PROPERTY: Arlington
LOGGED BY: T. Henneberry
DATE LOGGED: May 17/81
DATE COLLARED: May 13/81
DATE COMPLETED: May 22/81

HOLE NO.: A-1
LOCATION: 14+10 n
AZIMUTH: 304.8°
DIP AT COLLAR: -55.9°
DEPTH: 153ft or 46.63m

DIP TESTS
____° AT ____'
____° AT ____'
____° AT ____'

INTERVAL (FEET)	INTERVAL (METRES)	DESCRIPTION	SAMPLE No	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METRES	Ag	Pb	Zn	Au
0-2.0	0-0.61	CASING											
2.0-5.0	0.61-1.52	ALTERED GRANITE Zone of moderate chloritic alt. in which the mafics (10 - 15%) and the plagioclase (35 - 40%) are completely chloritized. The k-feldspar (30% as phenocrysts; less than 4cm) remains pink. The remainder (15 - 20%) is quartz. The plagioclase also shows some clays. Clays and chlorite along fractures. There is an unmineralized quartz stringer at 2.8 ft. The core from 2 - 3.5 ft is well broken up.	37319	2.0	5.0	0.61	1.52	3.0	0.91	.15	.02	.00	
5.0-6.4	1.52-1.95	GRANITE PPY Predominantly fresh granite, with the plag showing signs of weak chloritization, as well as the mafics. Fractures show strong chlorite and clays.											
6.4-9.6	1.95-2.93	ALTERED GRANITE Zone of moderate to intense chloritic alt. with k-feldspar showing partial alteration to chlorite Fractures show intense chlorite. Fractures show disseminated pyrite. Barren quartz stringer at 8.6 ft at 70° to core. There is a 1 cm gouge at 7.7 ft.	37320	6.4	9.6	1.95	2.93	3.2	0.98	.03	.02	.01	<.005
9.6-10.9	2.93-3.32	GRANITE PPY Predominantly fresh granite, with the plag. showing signs of weak chloritization, as well as the mafics. Fractures show strong chlorite and clays.											

part 2 of 2

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
10.9-17.3	3.32-5.27	ALTERED GRANITE Zone of moderate to intense chloritic alt. In which the k-feldspar is partially to completely chloritized. Fractures show intense chlorite and clays. The zone from 14.1 - 14.7 ft. is fairly broken and shows a gouging effect along the exterior. The zone from 16.2 - 16.6 ft. is predominantly fresh granite as above. There is a 1 cm gouge at 16.6 ft. The last 0.7 ft. is a medium grained completely chloritized aplite dyke at 70° to core. It is cut by a barren quartz stringer at 16.8 ft.	37321	10.9	14.1	3.32	4.30	3.2	0.97	.23	.00	.00
			37322	14.1	17.3	4.30	5.27	3.2	0.97	.00	.01	.00
17.3-48.6	5.27-14.81	GRANITE PPY Predominantly fresh granite, at the plag showing signs of weak chlorite, as well as the mafics. Fractures show chlorite and clays. Hematite 5% (locally to 20%) matrix k-feldspar. There is a zone of strong chloritic alteration from 29.5 - 30.4 ft. from 34.9-36.1 ft, and from 36.7-37.8ft	37323	29.5	30.4	8.99	9.26	0.9	0.27	.12	.00	.00
			37325	30.4	34.7	9.26	10.64	4.5	1.37	.00	.01	.00
			37324	34.9	36.1	10.64	11.0	1.2	0.36	.00	.01	.02
			2119	36.1	36.7	11.00	11.19	0.5	0.15	00	.01	.02
			2120	36.7	37.8	11.19	11.52	1.1	0.33	.00	.01	.00
48.6-52.8	14.81-16.09	ALTERED GRANITE Zone of moderate chloritic alt. with only the k-feldspar remaining fresh. Fractnes show chloride + clays + hematite. The zone from 50.2 to 51.0 ft. is predominantly fresh granite.	2121	48.6	52.8	14.81	16.09	4.2	1.28	.00	.02	.02
52.8-66.5	16.09-20.27	GRANITE PPY Predominantly fresh granite, with the plag. showing weak chlorite. Mafics are chloritized. 5% (locally to 20%) matrix k-feldspar. There is a barren quartz stringer at 47.8 ft at 85° to core. There is a 0.2 ft pegmatite stringer at 60.9 ft also two parallel pegmatite stringer at 63.3 - 63.6 ft.										
66.5-68.1	20.27-20.76	ALTERED GRANITE Zone of mod. to intense chloritic alt. with the k-feldspar partially to completely chloritized Fractures carry chlorite and clays + hematite/ The zone from 67.3 - 67.8 ft isfairly fresh as above.	2122	66.5	68.1	20.27	20.76	1.6	0.49	.00	.02	.00

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET From	FEET To	METERS From	METERS To	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
68.1-102.4	20.76-31.21	GRANITE PPY Pre. fresh granite, with the plagioclase showing little or no alteration and the mafics showing partially chloritization. Fractures show chlorite and clays + hematite. Matrix k-feldspar 1-5% (locally to 15%). There are several small horizons of strong chloritic alt.: 365 - 87.2 ft, 93.9 - 94.4 ft, and 97.4 - 98.2ft. There is a pegmatite aplite dyke at 94.9 - 95.7 ft at 70° to core, also at 98.8 - 99.3 ft at 30 ° to core.	2123	86.5	87.2	26.35	26.58	0.7	0.21	.00	.01	.00
			2124	93.9	94.4	28.62	28.77	0.5	0.15	.00	.01	.00
			2125	97.4	98.2	29.69	29.93	0.8	0.24	.00	.01	.02
102.4-106.5	31.21-32.46	ALTERED GRANITE Zone of moderate chloritic alt. in which plag. is partially to completely chloritized k-feldspar remains moderately fresh. Moderate epidote is also visible. Fractures show chlorite, clays ± hematite.	2126	102.4	106.5	31.21	32.46	4.1	1.25	00	.01	.03
106.5-110.0	32.46-33.53	GRANITE PPY Weakly chloritically altered granite in which the mafics are chloritized and the plagioclase shows partial chloritization (as well as some kaolinization) There is an increase (59 60%) of k-feldspar.										
110.0-111.8	33.53-34.08	ALTERED GRANITE Zone of moderate chloritic alt. in which plag. is partially to completely chloritized k-feldspar remains moderately fresh. Fractures show chlorite clays + hematite.	2127	110.7	111.8	33.53	34.08	1.8	0.55	00	.02	.00
111.8-114.6	34.08-34.93	GRANITE PPY Zone of weakly chloritically alt. granite., with the mafics show chloritization. The plag. shows very weak chloritization, kaolinization. Fractures show chlorite clays + hematite. 5% (locally to 10% matrix k-feldspar)										
114.6-115.6	34.93-35.23	ALTERATION SHEAR ZONE Zone marked by pervasive chlorite masking the origional texture. There is a 0.2 ft gouge at 115.2 ft. The alt. zone seems brecciated.	2128	114.6	115.6	34.93	35.23	1.0	0.30	.00	.06	.00

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn	Au
115.6- 116.0	35.23- 35.36	ALTERED GRANITE Zone of moderately chloritically altered granite with the k-feldspar phenocrysts remaining fresh. Fractures show strong chlorite + clays.											
116.0 116.6	35.36- 35.54	APLITE DYKE at 75° to core. The dyke is marked by pervasive chlorite.	2129	116.0	116.6	35.36	35.54	0.6	0.18	.06	.02	.00	
116.6- 120.5	35.54- 36.73	ALTEREATION SHEAR ZONES Zone of brecciated sheared core masked by pervasive chlorite. The shear (gouge) zones are 117.0 - 117.2 ft, 118.3 ,119.1 - 119.3 ft., 120.0, 120.2 ft.	2130	116.6	120.5	35.54	36.73	3.9	1.19	35	.06	.00	
120,5-	36.73	GRANITE PPY Zone of weakly chloritically altered granite marked by weak chloritization ofthe plagioclase as well as the mafics. Fractures show chlorite and clay.											
128.0- 139.0	35.97- 39.32	GRANITE PPY Fresh granite 126.8 -127.8, Pyritic	2131	138.0	139.0	42.06	42.37	1.0	0.30	.00	.01	.01	<.005
130.0- 139.3	39.32- 39.41	GOUGE ZONE Greenish gray clay with 'sand' & pebbles. Pebbles of propylitic altered silicified granite (?) with fine grained disseminated galena. No alteration in granite on either side of zone.	2132	139.0	139.3	42.37	42.46	0.3	0.09	1.63	107	19	
139.3- 153.0	39.41- 43.59	GRANITE PPY Fresh Granite	2133	139.3	140.3	42.46	42.76	1.0	0 30	.03	.01	.01	
		Note: Core Box wrong for last 25' (Reads - 118' - 142' - should be 128' - 152')											

SVEINSON WAY MINERAL SERVICES LTD. DIAMOND DRILL LOG PAGE 1

PROPERTY	Arlington	HOLE NO.	A-2
LOGGED BY	G. Allen	LOCATION	14+00N
DATE LOGGED	May 27/81	AZIMUTH	305.0°
DATE COLLARED	May 22/81	DIP AT COLLAR	-47.0°
DATE COMPLETED	May 25/81	DEPTH	134'/40.84m

DIP TESTS
____° AT ____'
____° AT ____'
____° AT ____'

INTERVAL (FEET)	INTERVAL (METRES)	DESCRIPTION (Intervals in feet)	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METRES	Ag	Pb	Zn	Au
0-4.0	0-1.22	CASING 4.0' - 8.0', = 3.5'											
4.0-5.3	1.22-1.62	ALTERED GRANITE Silicified propylitic granite. Plag. alt. to chlorite, ep. & sericite & later silicified. K-spar pink, broken up & silicified. Pyritic (traces). Original textures partially destroyed. BROKEN CORE.	14449B	4.0	7.8	1.22	23.8	3.8	1.16	.00	.00	.03	<.005
5.3-7.8	1.62-2.38	ALTERED GRANITE 0.5' CORE MISSING (?) Weak to mod. chloritic epidotic alt. of granite ppy. Original textures preserved. K-spar, pink euhedral 1.5 cm X 2-4cm, aprox 30% Plag, greenish gray (ep.) soft. 2-5mm, aprox 45% Qtz, 20%, gray sub rounded, 2 - 4mm Mafics, 1-4mm masses, aprox 10% chloritic BROKEN CORE											
7.8-10.1	2.38-3.08	ALTERED GRANITE Strong chl'c altered granite ppy. All but qtz. & some k-spar alt. to dark chl'c green. Original textures destroyed. Matted aggregate offchlorite, sericite, epidote (+?) 8.0- 8.1, white quartz vein. Barren.											
10.1-14.8	3.08-4.51	GRANITE PPY Weakly chloritic altered granite. Mafics chl'd. Some plag. epidote greenish gray.	14450	7.8	14.8	2.38	4.51	7.0	2.13	.00	.00	00	
14.8-15.3	4.51-4.66	ALTERATION ZONE Strong chl'c alt. around calcite filled hairline fractures One set sub-parallel to core. One set at aprox 70° to core.		14.8	17.5	4.51	5.33	2.7	0.82	.00	.00	.01	

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
15.3- 15.8	4.660 4.82	GRANITE PPY Fresh granite												
15.8- 17.0	4.82- 5.18	ALTERED GRANITE Strong chl'c altered granite ppy. Qtz. in f.g. - g.m. of chlorite, epidote sericite (+?) Original texture destroyed Traces PY. BROKEN CORE. Sheared sub-parallel to core.												
17.0- 17.5	5.18- 5.33	WASHED												
17.5- 17.9	5.33- 5.46	GRANITIC DYKE Fine grained granitic dyke. Greenish gray	13252B	17.5	24.2	5.33	7.38	6.7	2.05	.00	.04	.04		
17.9- 24.2	5.46- 7.38	ALTERED GRANITE Weak to mod. chloritic, epidotic alt. of granite ppy.												
24.2- 25.1	7.38 7.65	ALTERED GRANITE Strong chl'c alt. of granite. Only qtz unaltered in f.g. chloritic, epidotic sheared g.m.	13253B	24.2	25.1	7.38	7.65	0.9	0.27	.00	.00	.00		
25.1- 27.0	7.65- 8.23	GRANITE PPY Weakly alt. granite. Plag. greenish to brownish gray. Mafics chloritic.												
27.0 - 27.4	8.23- 8.35	GRANITIC DYKE F.G. granitic dyke. IC = 4. Overall gray color.												
27.4- 28.6	8.35- 8.72	GRANITE PPY As 27.0 - 27.4												
28.6- 30.2	8.72- 9.20	GRANITIC DYKE Fine grained granitic dyke. As 27.0 - 27.4, 29.4 - 29.6, Granite ppy.												
30.2- 33.5	9.20- 10.21	GRANITE PPY Weakly altered granite ppy. Plag. gray to greenish gray. Mafics chloritic.												
33.5- 34.3	10.21- 10.45	F.G. GRANTIC DYKE as 27.0 - 27.4												

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
34.3-44.7	10.45-13.62	GRANITE PPY As 30.2 - 33.5 34.3 - 34.7, Moderate prop. alt. along hairline fractures at aprox 20° to core. 41.0 - 41.3, Strong chloritic alt. 43.7 - 44.7, BROKEN CORE.										
44.7-45.7	13.62-13.93	ALTERED GRANITE Moderate to strong chloritic, epidotic alt. K-spar pink to greenish gray.	13254B	44.7	45.7	13.62	13.93	1.0	0.31	.12	.00	.02
45.7-46.0	13.93-14.02	F.G. GRANITIC DYKE as 27.0 - 27.4										
46.0-61.6	14.02-18.78	GRANITE PPY Fresh to weakly propylitic granite. 48.9 - 49.5, 2mm calcite stringer sub-parallel to core.										
61.6-64.6	18.78-19.69	ALTERED GRANITE Mod. to strong chl'c, ep!c. alt. of granite ppy. K-spar pink to greenish gray. G.M. - qtz in a f.g. mass of epidote & chlorite (+?) G.M. issheared by many closely spaced micro-fractures. Original textures only partially preserved.	13255B	61.6	64.6	18.78	19.69	3.0	0.91	.00	.00	.02
64.6-74.7	19.690-22.77	GRANITE PPY Fresh granite. Some greenish to brownish alt. of plagioclase. Chloritic alt. of mafic.										
74.7-75.1	22.77-22.87	APLITE DYKE F.G. pink aplite. CI aprox 3. This may be a fresh example of rock previously logged as a fine grained granitic dyke.										
75.1-78.8	22.89-23.10	ALTERED GRANITE Weakly propylitic granite.										
75.8-76.2	23.10-23.23	APLITE DYKE aprox 80° to core										
76.2-80.0	23.23-24.38	GRANITE PPY Fresh to weakly alt. granite. Plag. brownish to greenish gray. Mafics chloritic.										

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
80.0-84.7	24.38-25.82	ALTERED GRANITE Mod. prop. alt. of granite. Original textures in part destroyed by shearing of groundmass to f.g. chloritic, epidotic assemblage.	13256B	80.0	84.7	24.38	25.82	4.7	1.44	.00	.00	.03
84.7-87.0	25.82-26.52	GRANITE PPY as 76.2 - 80.0										
87.0-104.0	26.52-31.70	ALTERED GRANITE Weak to mod. prop. alt. of granite as 80.0 - 84.7 95.5 - 98.5, 1.5' CORE MISSING	13257B	87.0	91.0	26.52	27.74	4.0	1.22	.00	.00	.01
			13258B	91.0	95.0	27.74	28.96	4.0	1.22	.00	.00	.00
			13259B	95.0	100.0	28.96	30.48	5.0	1.52	.00	.00	.02
			13260	100.0	104.0	30.48	31.70	4.0	1.22	.00	.00	.02
104.0-104.7	31.70-31.91	ALTERATION/SHEAR ZONE Strong chloritic alt. of granite ppy. with g.m. sheared to fine grained mass of chlorite, epidote, sericite & clay minerals. Shearing at aprox 45° to core. 102.7 - 1cm greenish clay gouge zone.	13261B	104.0	104.7	31.70	31.91	0.7	0.21	.00	.00	.00
104.7-106.9	31.91-32.58	ALTERED GRANITE Mod. prop. alt. of granite ppy. Plag. brownish to greenish gray. Mafics chloritic. Original textures preserved.	13262B	104.7	106.9	31.91	32.58	2.2	0.67	.00	.00	.02
106.9-108.6	32.58-33.10	ALTERED GRANITE Mod. to strong prop. alt. of granite with k-spar & qtz. in a fine grained, sheared g.m. of chlorite, epidote, sericite & clay minerals. Original textures destroyed.	13263B	106.9	108.8	32.58	33.16	1.9	0.58	.00	.00	.00
108.6 - 108.8	33.10-33.16	GOUGE ZONE Plastic clay gouge. aprox 20% fine 'sand'										
108.8-110.0	33.16-33.53	ALTERED GRANITE as 106.9 - 108.6	13264B	108.8	111.4	33.16	33.95	2.6	0.79	.06	.06	.07
110.0-111.4	33.53-33.95	ALTEREATION ZONE Intense chl'c shear alteration of granite ppy. Only qtz remaining g.m sheared to fine grained mass of chlorite, epidote, sericite & clay. Gougy, crumbly. Shearing at aprox 45° to core.										

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET From	FEET To	METERS From	METERS To	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
111.4- 112.9	33.95- 34.41	ALTERED GRANITE as 106.9 - 108.6	13265B	111.4	114.6	33.95	34.93	3.2	0.98	.00	00	.00		
112.9- 114.0	34.41- 34.75	ALTERATION/SHEAR ZONE as 110.0 - 111.4												
114.0- 114.6	34.75- 34.93	ALTERED GRANITE Weak to moderate prop. alt. of granite ppy.												
114.6- 134.0	34.93- 40.84	GRANITE PPY Fresh granite K-spar, pink, euhedral, 2x3-4cm, aprox 30% Plag, white, sub hedral, 2-4mm, aprox 45% Qtz, anhedral, gray, 5mm, aprox 10 - 15% Mafics, Hb greater than Bi, aprox 10% 123.5 - 123.7, Pegmatite dyke, Granite aprox 45° to core. 127.8 -128.0, Pegmatite dyke, 30° to core. 131.7 - 132.2, Pegmatite dyke. Granite 45° to core. 134.0 ft EOH 40.84 m												

PROPERTY: Arlington
LOGGED BY: G. Allen
DATE LOGGED: May 31, 1981
DATE COLLARED: May 27/81
DATE COMPLETED: May 28/81

HOLE NO.: A1-3
LOCATION: 14+10N
AZIMUTH: 302.0°
DIP AT COLLAR: -34.9°
DEPTH: 115.0ft / 35.05m

DIP TESTS
___ ° AT ___ '
___ ° AT ___ '
___ ° AT ___ '

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn	Au
0- 2.4	0- 0.73	CASING (marked as 4') From start of core to 10' + 7.6'											
2.4- 4.5	0.73- 1.37	ALTERED GRANITE Strong prop. alt. of granite ppy. Rock silicified G.M. of silicified, partially brecciated aggregate of epidote chlorite & sericite. Rock somewhat bleached. Origional textures destroyed. Traces PY.	2162	2.4	4.5	0.73	1.37	2.1	0.64	.00	.01	.02	<.005
4.5- 6.1	1.37- 1.86	ALTERED GRANITE Moderate propylitic alt. of granite ppy. Plag. altered to dark on epidotic green. Mafics chloritized. Origional textures preserved.	2163	4.5	7.4	1.37	2.25	2.9	0.85	.00	.02	.03	
6.1- 6.6	1.86- 2.01	ALTERED GRANITE as 2.4 - 4.5											
6.6- 7.0	2.01- 2.13	ALTERED GRANITE as 4.5 - 6.1											
7.0- 7.4	2.13- 2.25	ALTERED GRANITE as 2.4 - 4.5											
7.4- 17.2	2.25- 5.24	ALTERED GRANITE Weak to mod. prop. altered granite ppy. Plag. greenish to brownish gray. Mafics chloritized.	2164	7.4	12.3	2.25	3.75	4.9	1.49	06	.01	.04	
		K-spar, pink to brownish, 2 X3 - 4cm, euhedral aprox 30% Plag, aprox 45%, subhedral Qtz., anhedral, aprox 15% Mafics, aprox 10%	2165	12.3	17.9	3.75	5.46	4.9	1.49	.00	.00	.01	
17.2- 18.5	5.24- 5.64	ALTERED GRANITE Strong prop. alt. of granite ppy. All but qtz altered. Broken up k-spar (altered to grayish	2166	17.2	21.8	5.24	6.65	4.6	1.40	.00	.02	.03	

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
		brown) & quartz in a somewhat sheared g.m. of epidote chlorite & sericite (+?) Traces euhedral pyrite (less than 1%, less than 1 mm)	2167	21.8	26.4	6.64	8.05	4.6	1.40	.00	.01	.01
18.5-18.9	5.64-5.76	ALTERED GRANITE Moderate prop. alt. of granite ppy. Origional textures preserved.										
18.9-26.4	5.76-8.05	ALTERED GRANITE Strong to moderate prop. alt. of graite ppy. As 17.2 - 18.5										
26.4-26.6	8.05-8.11	GRANITE PPY Fresh to weakly altered granite. Plag. brownish gray color.	2168	26.4	29.6	8.05	9.02	3.2	0.97	.00	.00	.01
26.6-27.1	8.11-8.26	ALTERED GRANITE Strong prop. alt. of granite ppy. Qtz in ground G.M. of chlorite, epidote & sericite.										
27.1-29.6	8.26-9.02	GRANITE PPY Fresh to weakly propylitic granite. As 26.4 - 26.6										
29.6-39.2	9.02-11.95	ALTERED GRANITE Strong to moderate propylitic alt. of granite ppy. K-spar pinkish to greenish gray. G.M. of epidotized plag. & chloritized mafics. Partially ground. Origional textures partially preserved. Traces PY.	2169	29.6	34.4	9.02	10.48	4.8	1.46	.00	.00	.01
			2170	34.4	39.2	10.48	11.95	4.8	1.46	.00	.01	.01
39.2-41.3	11.95-12.59	ALTERED GRANITE Weak to moderate prop. alt.	2171	39.2	41.1	11.95	12.59	2.1	0.64	.00	.00	.00
41.3-42.8	12.59-13.04	GRANITE PPY Fresh to weakly prop. granite										
42.8-44.6	13.04-13.59	ALTERED GRANITE Strong prop. alt. Predom. chloritc. 44.2 - 44.4, Granitic peg. dyke, Predom. Quartz	2172	42.8	44.6	13.04	13.59	1.8	0.55	00	.01	.03
44.6-47.2	13.59-14.39	GRANITE PPY Weakly prop. altered granite.										

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
47.2- 47.5	14.39- 14.48	ALTERED GRANITE Moderate prop. alt.	2713	47.2	50.9	14.39	15.51	3.7	1.13	.00	.01	.01
47.5- 48.0	14.48- 14.63	APLITE DYKE Greenish - gray aplite										
48.0- 48.8	14.63- 14.87	ALTERED GRANITE Strong chloritic alt. of granite. Qtz. in g.m. of chlorite, epidote, sericite (+?) Pyrite less than 1%. Origional textures vaguely visible.										
48.8- 49.6	14.87- 15.12	ALTERED GRANITE Weak to mod. prop. alt.										
49.6- 50.0	15.12- 15.24	APLITE DYKE Greenish gray aplite										
50.0- 50.9	15.24- 15.51	ALTERED GRANITE Strong prop. alt. Predom epidote. Traces PY										
50.9- 51.6	15.51- 15.73	ALTERED GRANITE Weak to mod. prop. alt. Origional textures preserved.	2174	50.9	54.3	15.51	16.55	3.4	1.03	00	.01	.01
51.6- 51.8	15.73- 15.79	ALTERED GRANITE Strong prop. alt.										
51.8- 52.4	15.79- 15.97	ALTERED GRANITE Weak to mod. prop. alt.										
52.4- 54.3	15.97- 16.55	ALTERED GRANITE Strong chloritic, epidotic alt. All altered but quartz. G.M. appears ground or brecciated										
54.3- 55.3	16.55- 16.85	ALTERD GRANITE Moderate prop. alt.	2175	54.3	57.1	16.55	17.40	2.8	0.85	.00	.00	.00
55.3- 57.1	16.85- 17.40	ALTERED APLITE DYKE Greenish to pinkish gray fine to med. gn. granitic int. (aplite) CI aprox 2	2176	57.1	58.7	17.40	17.89	1.6	0.49	06	01	.04
57.1- 58.7	17.40- 17.89	ALTERED GRANITE Intense chloritic alt. of granite ppy. All but qtz. altered & ground to f.g. asemblage of										

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
58.7-	17.89	chlorite, epidote & sericite. Sheared at aprox 15% to core at 58.0. Origional textures destroyed. Traces PY										
58.7-60.0	17.89-18.29	ALTERED GRANITE Moderate chloritic alt. Epidote/chloritic alt. of plag. Mafics chloritic. Origional texture preserved in most places. Some sericiee developed.	2177	58.7	62.2	17.89	18.96	3.5	1.07	.00	.02	.04
60.0-61.6	18.29-18.77	GRANITE PPY Fresh to weakly prop. granite. Plag. greenish to brownish.										
61.6-62.2	18.77-18.96	ALTERED GRANITE Moderate propylitic (predom. chloritic) alt. of granite ppy.										
62.2-69.1	18.96-21.06	GRANITE PPY Fresh to weakly altered granite. As 60.0 - 61.6	2180	62.2	69.7	18.96	21.24	7.5	2.29	.00	.01	.02
69.1-69.7	21.06-21.24	PEGMATITE/APLITE DYKE 69.1 - 69.2, Granitic peg. 69.2- 69.7, F.G. aplite										
69.7-72.8	21.27-22.19	ALTERED GRANITE Strong chloritic alt. of granite ppy. Qtz. and broken k-spar remnants. in a sheared g.m. of chlorite, ep & sericite. 71.6 - 71.7, Gougy zone. Crumbly core shear aprox 70° to core. Origional textures destroyed.	2178	69.7	72.8	21.27	22.19	3.1	0.94	.00	.01	.02
72.8-74.0	22.19-22.55	ALTERED GRANITE Weak prop. alt. Origional textures preserved.										
74.0-84.3	22.55-25.69	ALTERED GRANITE Strong chloritic alt. of granite ppy.Qtz & remnant k-spar frags in a sheared ground assemblage of chlorite, sericite & epidote. Origional textures destroyed. 76.3- 76.5, Sheared gougy, Shear apox 40° to core 81.8 - 81.9, " " shear aprox. 55° to core	2179 2181	74.0 79.2	79.2 84.3	22.55 24.14	24.14 25.69	5.2 5.1	1.58 1.55	.06 .00	.00 .01	.01 .02

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
		82.8 - 83.2, Shear & gouge zone, 35° to core. Traces, PY 84.1 - 84.3, 1cm QV sub-parrallel tocore Barren												
84.3-88.6	25.69-27.00	ALTERED GRANITE Weak prop. alt. As 72.8 - 74.0 85.0 - 85.8, Broken core.	2182	84.3	88.6	25.69	27.00	4.3	1.31	.00	.01	.02		
88.6-90.8	27.00-27.67	ALTERED GRANITE Strong chloritic alt. of granite ppy. As 74.0 - 84.3, G.M. sheared at aprox 45° to core. Original textures destroyed.	2183	88.6	90.8	27.00	27.67	2.2	0.67	.00	.01	.01		
90.8-95.6	27.67-29.14	SHEAR/GOUGE ZONE Granite intensely sheared. Predom. coarse sand size grains of gound granite in clay matrix. Soft. 90.8 - 90.9, plastic clay 95.5 - 95.5, " " Sheared at aprox. 55° to core Clay, Light greenish gray color 'sand', Qtz & chloritic, epidotic alt. feldspar.	2184	90.8	95.6	27.67	29.14	4.8	1.46	.12	.06	.10		
95.6-107.1	29.14-32.64	GRANITE PPY Fresh to weakly chloritic granite. K-spar aprox. 30%.												
107.1-109.6	32.64-33.41	ALTERATION ZONE Strong prop. alt. of granite ppy. K-spar, pinkish to greenish gray Plag, epidotic to bluish green Mafics, chloritized. 109.0 - 0.5cm seam of aprox 80% sulphides. F.G. Galena, sphalerite, & aprox 5% PY. Seam at 40° to core.	2185	107.1	109.6	32.64	33.41	2.5	0.76	.58	.20	.76		
109.6-115.0	33.41-35.05	GRANITE PPY Fresh granite.												
		E.O.H.												

SVEINSON WAY MINERAL SERVICES LTD. DIAMOND DRILL LOG PAGE 1

PROPERTY: Arlington
LOGGED BY: G. Allen
DATE LOGGED: June 2/81
DATE COLLARED: May 29/81
DATE COMPLETED: June 4/81

HOLE NO.: A-4
LOCATION: 14+10N
AZIMUTH: 301 3°
DIP AT COLLAR: -29.4°
DEPTH: 30.78m/101.0'

DIP TESTS
___° AT ___'
___° AT ___'
___° AT ___'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals in feet)	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METRES	Ag	Pb	Zn
0-5.3	0-1.62	CASING (5.3' from machine to collar?)										
5.3- 7.1	1.62- 2.16	ALTERED GRANITE Strong propylitic alt. of granite ppy. K-spar crystals pink to greenish gray. Qtz crystals 3-7mm, aprox 20%. G.M. (aprox 55%). F.G. assemblage of epidote, chlorite & sericite. Original textures destroyed. BROKEN CORE.	2186	5.3	7.1	1.62	2.16	1.8	0.55	.00	.01	.02
7.1- 10.5	2.16- 3.2	ALTERED GRANITE Weak to mod. prop. alt. of granite ppy. Plag, greenish gray. Mafics chl'd. Original textures preserved. K-spar, pink, 1-3cm, aprox 25-30% Plag, aprox 45% Mafics, aprox 10% Qtz, aprox 20%										
10.5- 11.5	3.2- 3.51	ALTERED GRANITE Strong chloritic alt. of granite ppy. K-spar pink to green ish gray, brecciated. Original textures destroyed. Traces Py.	2187	10.5	11.5	3.20	3.51	1.0	0.30	.00	.00	.00
11.5- 13.6	3.51- 4.15	ALTERED GRANITE Strong epidotic alt. & silicification of granite Ppy. K-spar pink to chl'c green. G.M. of silicified-epidote & sericite. Rock has a bleached appearance. TRACES Py Original textures destroyed.	2188	11.5	16.6	3.51	5.06	5.5	1.68	.00	.05	.01
13.6- 15.0	4.15- 4.57	ALTERED GRANITE Weak to mod. prop. alt. As 7.1 - 10.5										
15.0- 16.6	4.57- 5.06	ALTERED GRANITE As 11.5 - 13.6										
16.6- 17.2	5.06- 5.24	ALTERED GRANITE Strong Chl'c alt. of granite ppy. Original textures vague.	2189	16.6	20.1	5.06	6.13	3.5	1.07	.00	.01	.03

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
17.2-17.7	5.24-5.39	ALTERED GRANITE As 11.5 - 13.6												
17.7-20.1	5.39-6.13	GRANITE PPY Weak prop. alt. of plag to greenish or brownish gray. Mafics chloritic.												
20.1-21.2	6.13-6.46	ALTERED GRANITE Mod. to strong chl'c alt. of granite ppy. Original textures partially preserved.	2190	20.1	25.4	6.13	7.74	5.3	1.62	.00	.00	.02		
21.2-22.0	6.46-6.71	ALTERED GRANITE Intensely alt. granite. Rounded qtz grains in a soft g.m. of sericite & epidote. Minor qtz stringers. BROKEN CORE. Traces f.g. PY												
22.0-25.4	6.71-7.74	ALTERED GRANITE Mod. to strong chl'c alt. of ppy. Original textures partially preserved.												
25.4-27.3	7.74-8.32	ALTERED GRANITE Intensely alt. granite ppy. Rounded qtz crystals (5-7mm, aprox 30%) & broken k-spar fragments in a ppp ground, sheared groundmass of f.g. sericite, epidote & chlorite. 1-2% PY Moderately siliceous throughout, except for: 26.8 - 27.3, Soft dark gray, fine-grained gougy material as g.m.	2191	25.4	31.0	7.74	9.45	5.6	1.71	.00	.00	.02		
27.3-27.9	8.32-8.50	STRINGER ZONE 1cm broken up qtz stringer at aprox 15° to core.												
27.9-31.0	8.50-9.45	ALTERED GRANITE Strong prop. alt. of granite ppy. Rounded qtz crystals in a relatively soft g.m. of epidote, sericite & chlorite Original textures destroyed. TRACES F.G. & PY												
31.0-33.0	9.45-10.06	ALTERED GRANITE Mod. to weak prop. alt. of granite ppy. K-spar mostly pink. Plag epidotic greenish - gray. Mafics chloritized. Original textures preserved.	2192	31.0	36.0	9.45	10.97	5.0	1.52	.00	.02	.01		

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET From	FEET To	METERS From	METERS To	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
33.0-34.4	10.06-10.49	GRANITIC DYKE Fine grained granitic intrusive CI= 5, Overal color, dark gray.												
34.4-36.0	10.49-10.97	ALTERED GRANITE Strong to moderate prop. alt. Original textures partially destroyed.												
36.0-39.4	10.97-12.01	ALTERED GRANITE Strong prop. alt. of granite. Groundmass textures destroyed Soft to mod. siliceous assemblage of f.g., sericite, epidote & chlorite. K-spar partially broken up	2193	36.0	39.4	10.97	12.01	3.4	1.04	.00	.01	.02		
39.4-41.1	12.01-12.53	GRANITE PPY Fresh to weakly prop. granite.												
41.1-43.6	12.53-13.29	ALTERED GRANITE Strong prop. alt. As 36.0 - 39.4 43.2- 3mm pod f.g. sphalerite & galena associated with 1mm qtz stringer.	2194	41.1	43.6	12.53	13.29	2.5	0.76	.00	.01	.03		
43.6-45.0	13.20-13.72	GRANITE PPY Fresh to weakly prop. granite												
45.0-47.7	13.72-14.54	ALTERED GRANITE Strong prop. alt. k-spar (partially alt. to dark green) & qtz. in f.g. g.m. of sericite, chlorite & epidote (mod. siliceous) Original textures destroyed. TRACES Py	2195	45.0	47.7	13.72	14.54	2.7	0.83	.00	.01	.00		
47.7-48.8	14.54-14.87	ALTERED GRANITE Weak prop. alt. of granite. Plag. brown. Original textures preserved.	2196	47.7	51.0	14.54	15.55	3.3	1.01	.00	.02	.01		
48.8-49.3	14.87-15.03	ALTERED GRANITE Strong chloritic alt. Original textures destroyed.												
49.3-49.7	15.03-15.15	ALTERED GRANITE Weak prop. alt. As 47.7 - 48.8.												
49.7-51.0	15.15-15.54	ALTERED GRANITE Appears brecciated. aprox 60% qtz. fragments (.5 - 2cm) in f.g. Chlorite, sericite & epidote g.m. Original textures destroyed.												

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
51.0- 53.8	15.54- 16.40	ALTERED GRANITE Weak prop. alt. of granite ppy. Original textures preserved.										
53.8- 61.5	16.40- 18.75	ALTERED GRANITE Strong chloritic alt. Only qtz unaltered. F.G. G.M., of sericite, chlorite, epidote & py. Partially brecciated. Orig. textures destroyed. 58.4 - 59.0, chloritic aplite (?) dyke.	2197 2198	53.8 57.6	57.6 61.5	16.40 17.56	17.56 18,75	3.8 3.9	1.16 1.19	.00 .00	.00 .01	.03 .01
61.5- 62.1	18.75- 18.93	ALTERED GRANITE Weak prop. alt.	2199	61.5	64.7	18.75	19.72	3.2	9.75	06	.01	.03
62.1- 63.4	18.93- 19.32	ALTERED GRANITE Strong chloritic alt. As 53.8 - 61.5										
63.4- 64.7	19.32- 19.72	ALTERED GRANITE As 61.5 - 62.1 (weak prop)										
64.7- 74.0	19.72- 22.56	ALTERED GRANITE Strong chloritic alt. As 53.8 - 61.5 68.8 - 69.2, Aplite 69.2 - 69.4, Gouge zone, Shear at aprox 45° to core	2200 14426	64.7 69.2	69.2 74.0	19.72 21.09	21.09 22.56	4.5 4,8	1.37 1.46	.00 .00	.02 .00	.01 .00
74.0- 74.9	22.56- 22.83	ALTERED GRANITE Mod. prop. alt. Original textures preserved	14427	74.0	74.9	22.56	22.83	0;9	0.27	.06	.01	.01
74.9- 78.7	22.83- 23.99	ALTERED GRANITE Strong chloritic alt. of granite ppy. Rounded qtz & broken k-spar in g.m. of chlorite, ep. & sericite. Up to 1% PY original textures destroyed. 76.1 - 76.3, Qtz vein with red hematite, patches (aprox 2%), Vein at aprox 30° to core.	14428	74.9	78.7	22.83	23.99	3.8	1.16	.00	.00	.00
78.7- 79.3	23.99- 24.17	ALTERED GRANITE Mod. prop. alt. Original textures preserved	14429	78.7	83.8	23.99	25.54	5.1	1.55	.00	.00	.00
79.3- 80.0	27.17- 24.38	ALTERED GRANITE Strong chloritic alt. MARKERS 77.0' - 81.0', 3.1'. No core appears to be missing.										

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET From	FEET To	METERS From	METERS To	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
80.9- 83.8	24.38- 25.54	ALTERED GRANITE Weak to mod. prop. alt. Plag. brownish. Original textures preserved.												
83.8- 85.2	25.54- 25.97	ALTERED GRANITE Mod. prop. alt. Original textures preserved.	14430	83.8	86.7	25.54	26.43	2.9	0.88	.00	.01	.00		
85.2- 85.5	25.97- 26.06	GRANITIC DYKE Find grained granitic to dioritie feld ppy.												
85.5- 86.7	26.06- 26.43	ALTERED GRANITE Weak prop. alt. Plag brownish												
86.7- 88.0	26.43- 26.82	ALTERED GRANITE Intense chl'c alt. k-spar broken up & ground into G.M. Predom. F.G. chlorite, epidote & sericite.	14431	86.7	91.4	26.43	27.86	4.7	1.43	.06	.02	.06		
88.0- 90.8	26.82- 27.68	ALTERATION/GOUGE ZONE Strong chlorite alt. sheared to gouge & sandy clay. Predominant quartz grains & k-spar fragments in chlorite, sericite, epidote g.m. 89.2 - 90.0 - WASHED CORE.												
90.8- 91.4	27.68- 27.86	MYLONITE Rounded to angular qtz, frags. in f.g. chloritic g.m. Has 'flow' lines sub parallel to core.												
91.4- 101.0	27.860 30.78	GRANITE PPY 95.7 - 96.2, Pegmatite.												

PROPERTY: Arlington
LOGGED BY: T. Henneberry
DATE LOGGED: July 14/81
DATE COLLARED: July 8/81
DATE COMPLETED: July 9/81

HOLE NO.: A-5
LOCATION: 14+10N
AZIMUTH: 301.25°
DIP AT COLLAR: -17°
DEPTH: 84'/25.6m P

DIP TESTS
____° AT ____'
____° AT ____'
____° AT ____'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
0- 6.0	1.83-	CASING										
6.0- 7.5	1.83- 2.29	APLITE DYKE at 90° to core. Dyke shows weak chlorite/epidote										
7.5- 9.7	2.29- 2.96	ALTERED GRANITE Zone of strong epidotic alt. with only the k-spar remaining fairly fresh (secondary?) Fractures show chlorite ± epidote ± clays ± limonite.	54125	7.5	9.7	2.29	2.96	2.2	0.67	.00	.00	.00
9.7- 10.1	2.96- 3.08	APLITE DYKE at 90° to core. Weak epidote.										
10.1- 12.4	3.08- 3.78	ALTERED GRANITE Zone of strong chlorite/epidote alt. K-spar only partially pink. Plag to chlorite + epidote mod. silicification. Fractures show chlorite ± epidote ± clays.	54076	10.1	12.4	3.08	3.78	2.3	0.70	.00	.00	.04
12.4- 13.8	3.78- 4.21	ALTERED GRANITE Zone of strong epidotic alt., also no derate silicification k-spar shows moderate epidote. Plag. shows epidote. Fractures show chlorite ± epidote ± clays.	54077	12.4	13.8	6.78	4.21	1.4	0.43	.00	.00	.04
13.8- 14.4	4.21- 4.39	ALTERED GRANITE Zone of strong chl. alt. overprinted with mod. silicification. K-spars show just a hint of pink Fractures show chlorite ± clays.	54078	13.8	14.4	4.21	4.39	0.6	0.18	.00	.00	.02
14.4- 15.2	4.39- 4.63	ALTERED GRANITE Zone of moderate chl'c alt. with k-spar remaining fairly "fresh", Plag. shows kaolinite + chlorite. Fractures chlorite ± clays.										

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
15.2-17.9	4.63-5.46	ALTERED GRANITE Zone of strong epidotic/chl'c alt. with an overprint of moderate silicification. K-spar epidote & chlorite. Plag. epidote. Intercitial clays. Fractures chl ± epidote ± clays. 1 foot wash at 17.9 - 18.9'.	54079	15.2	17.9	4.63	5.46	2.7	0.82	.00	.00	.03		
18.9-23.7	5.46-7.22	ALTERED GRANITE Zone of strong chl'c alt. with a modrate silification overprint. All minerals show chlorite. K-spar is only partially pink. Fractures show intense chlorite.	54080	18.9	23.7	5.46	7.22	4.8	1.46	.00	.00	.02		
23.7-25.4	7.22-7.74	ALTERED GRANITE Zone of strong epidotic alt. All minerals show epidote. Although 20% of k-spar shows chlorite. Fractures show chl ± epidote ± clays.	54081	23.7	25.4	7.22	7.74	.7	0.21	.06	.00	.02		
25.4-26.9	7.74-8.20	ALTERED GRANITE Zone of strong chl'c, ep'c, alt. K-spar and plag. show chl + ep. There is a moderate overprint of silicification. Fractures chlorite ± clays.	54082	25.4	26.9	7.74	8.20	1.5	0.46	.17	.00	.03		
26.9-28.0	8.20-8.53	ALTERED GRANITE Zone of mod. to strong chl/ep. Plag. also shows kaolinization. Fractures chlorite ± clays.	54083	26.9	28.0	8.70	8.53	1.1	0.33	.06	.00	.03		
28.0-34.0	8.53-10.36	APLITE DYKE at 80° to core. Dyke shows weak epidote. There is a 2 foot wash at 31.5 feet.												
34.0-43.6	10.36-13.29	ALTERED GRANITE Zone of moderate chl'c/argillic alt. Plag. shows kaolinite + chlorite, k-spar shows chl/clays along crystal margins. Fractures chlorite ± clays ± hematite.												
43.6-49.3	13.29-15.03	PEGMATITE DYKE at 70° to core. (gradational from last unit) The dyke shows mod. argillic alt. Fractures also show strong clays.	54084	43.6	49.3	13.29	15.03	5.7	1.74	.00	.00	.02		

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
49.3-55.1	15.03-16.79	ALTERED GRANITE Zone of moderate to strong chl'c/ep'c alt. K-spar shows only weak chl & ep. Plag is chl"d epi"d. Fractures chlorite ± epidote ± clays.	54085	49.3	55.1	15.03	16.79	5.8	1.77	.00	.00	.03
55.1-57.0	16.79-17.37	PEGMATITE DYKE at 35° to core. Dyke shows epi & clays. There is a 0.2' zone of strong chloritically alt. granite at 55.5'/										
57.8-58.8	17.37-17.92	ALTERED GRANITE Zone of moderate chl'c/ arg'c alt. Plag. kaolin & chlorite. K-spar clays on crystal margins. Fractures chlorite ± limonite. 2'washat 57.2'.										
58.8-62.3	17.92-18.99	APLITE DYKE at 70° to core. Zone shows weak epidote & weak limonite on fractures.										
62.3-66.3	18.99-20.21	GRANITE PPY Predominantly fresh granite, with a weak sporadic overprint of limonite.										
66.3-67.1	20.21-20.45	ALTERED GRANITE Zone of mod. chl'c alt. with an overprint of silicification. K-spar show chl along rims & fractures. Fractures show chlorite ± clays.										
67.1-84.0	20.45-25.60	GRANITE PPY Fresh granite comprised of 30% k-spar(predominantly as phenovery sts, less than 4cm) 35-40% plagioclase, 10 - 15% mafics (chloritized) 15 - 20% quartz. Fractures clean to weak chlorite.										
		E.O.H. 84.0'/ 25.60m										

PROPERTY: Arlington
LOGGED BY: H. Keyser
DATE LOGGED: July 11/1981
DATE COLLARED: July 7/81
DATE COMPLETED: July 8/81

HOLE NO.: A-6
LOCATION: 14+10 N
AZIMUTH: 299 18°
DIP AT COLLAR: +19.8°
DEPTH: 82ft/2499m

DIP TESTS
___° AT ___'
___° AT ___'
___° AT ___'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
0.0-0.4	0.0-0.12	ALTERED GRANITE Weakly alt. granite ppy. Chl'd mafics, plag. shows ep'c and argillic alt., K-spars remain pink and euhedral. Original textures preserved. CI=10.										
0.4-4.1	0.12-1.25	ALTERED GRANITE Intensely alt. granite ppy. Mafics and plag. are thoroughly ep'd. K-spars are altered as well, but exhibit some pink. Some minor chlorite and clays present. Most original textures destroyed.	54050	0.4	4.1	0.12	1.25	3.7	1.13	.06	.00	.07
4.1-17.0	1.25-5.18	ALTERED GRANITE Main alt. is extensive feldspathization. Large euhedral, pink k-spar crystals. Groundmass, except for quartz, is intensely ep'd. Most original textures destroyed. Small zones of weakly altered granite showing original textures present.										
17.0-22.8	5.18-6.95	ALTERED GRANITE Zone of moderate alt. of granite ppy. Completely chl'd and ep'd groundmass. K-spars have lost some color and crystals symmetry. Most original textures preserved. Plag. locally shows argillic alt.										
22.8-28.9	6.95-8.81	ALTERED APLITE DYKE Thoroughly epi'd aplite showing traces Gl. Secondary quartz vein fillings present CI less than 2.	54001	22.8	28.9	6.95	8.81	6.1	1.86	.06	.00	.04
28.9-32.8	8.81-10.00	QUARTZ SULFIDE ZONE Zone of ep'd quartz fracture-fillings with small bands of finely crystalized gl at 30.2 and 30.8' These bands have 90% gl, while entire zone averages Gl & Sp 2%. Original textures destroyed.	54002	28.9	32.8	8.81	10.00	3.9	1.19	.98	.13	.37

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET From	FEET To	METERS From	METERS To	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
32.8-35.0	10.00-10.67	ALTERED GRANITE Weakly alt. granite ppy, showing chl'd mafics, and somewhat arg'd and ep'd plag. K-spars remain pink and euhedral. Original textures presered. CI= 15.										
35.0-86.9	10.67-11.25	QUARTZ, SULFIDE ZONE Similar to 28.9 - 32.8, but chl'c alt. more extensive than epidote, and combined Gl and Sp=1%.	34003	35.0	36.9	10.67	11.25	1.9	0.58	99	.05	.36
36.9-38.6	11.25-11.76	ALTERED GRANITE as at 32.8 - 35.0 = (weakly altered)										
38.6-40.2	11.76-12.25	ALTERED GRANITE Strongly altered granite ppy. Epidote is main alt. product, and occurs in plag. and mfics. Chlorite occurs in mafics, fractures. K-spars and most original textures destroyed.	54004	38.6	40.2	11.76	12.25	1.6	0.49	.23	.00	.17
40.2-63.4	12.25-19.33	ALTERED GRANITE Weak alt. of granite ppy. Mafics are completely chl'd, plag. shows mainly argillic alt. but minor epidote locally present. Hematite and clays present in fractures. K-spars pink & euhedral, k-spars amount to 50% of core at 46.1 - 48.2. Original textures preserved. CI= 10. Broken core.										
63.4-65.3	19.33-19.90	ALTERED GRANITE Zone of strong alt. showing secondary enrichment of k-spars. Original textures destroyed.										
65.3-74.4	19.90-22.68	ALTERED GRANITE Zone varies from weak to moderate alt Broken k-spars indicate shearing at 65.3-70.0 and 74.0-74.4. Fractures are extensively limonite stained Most original textures preserved. 1" fault gouge at 66.6.	54005	65.3	69.5	19.90	21.18	4.2	1.28	.35	.00	.04
			54006	69.5	74.4	21.18	22.68	4.9	1.49	.00	.00	.03
74.4-82.0	22.68-24.99	ALTERED GRANITE Weakly altered granite ppy., where main alt. is chl'n of mafics. Some local weak arg'c alt. Remainder of minerals are fresh, with preservation of original textures E.O.H. at 82.0' or 24.99m										

PROPERTY: Arlington
LOGGED BY: G. Allen
DATE LOGGED: May 23/81
DATE COLLARED: May 20/81
DATE COMPLETED: May 22/81

HOLE NO.: A-7
LOCATION: 14+95N
AZIMUTH: 330.97°
DIP AT COLLAR: -25.3°
DEPTH: 70'/21.34m

DIP TESTS
___° AT ___'
___° AT ___'
___° AT ___'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals in feet)	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
0-5.7	0-1.74	ALTERED GRANITE Weak to moderate chloritic propylitic alt. Mafics chl'd. Plagioclase greenish gray. BROKEN CORE 4.1 - 4.7, Strong chl'c alt. 2 lenses galena up to 5mm.	13266B	0	5.7	0	1.74	5.7	1.75	.12	.00	.03		
5.7-9.4	1.74-2.87	ALTERED GRANITE Mod. to strong chl'c alt. of granite ppy. Original texture destroyed in most parts. G.M. - fine grained chlorite, epidote, sericite & clay minerals, dark green to grayish green. G.M. - ground by chosely spaced micro fractures. K-spar pink to gray. 7.3 - 7.8, Broken core. 1cm piece silicified with aprox. 50% f.g. GALENA & SPHALERITE	13266B	5.7	9.4	1.74	2.87	3.7	1.13	.12	.00	.03		
9.4 - 44.0	2.87-13.41	GRANITE PPY Fresh granite. K-spar, pink, 2-4cm, aprox 35%. Plag, brown to white, 3-5mm, aprox 45%. Qtz, gray, 2-5mm, 15 - 20%. Mafics, Hb greater than Bi, weakly chl'd, 2-4mm masses. 9.4-21.0- Plag. brownish 16.9 - 17.7, Broken core. Chloritic 17.7 - 21.0, K-spar aprox 70 - 80%.												
44.0-50.8	13.41-15.48	PEGMATITE DYKE Granitic pegmatite to med. grained int. CI=2. Predom. K-spar & qtz. Some aplitic parts. Contacts with granite are indistinct but appear to be shallow (aprox 15° to core.)												
50.8-61.6	15.48-18.78	GRANITE PPY Fresh granite. Finer grained than normal. K-spar, White to gray, 2-3cm. Phenos, 10% or absent, Plag, White to gray a prox 2-4mm, aprox 45%. Qtz, Gray, 2-4mm, aprox 10%. Mafics, aprox 20%.												
61.6-70.0	18.78-21.34	GRANITE PEGMATITE DYKE 61.6-66.0, Core parallels contacs E.O.H. at 70.0 feet.												

PROPERTY: Arlington
LOGGED BY: G. Allen
DATE LOGGED: May 22/81
DATE COLLARED: May15/81
DATE COMPLETED: May19/81

HOLE NO.: A-8
LOCATION: 14+95n
AZIMUTH: 327.50°
DIP AT COLLAR: -38.5°
DEPTH: 73.0' / 22.25m

DIP TESTS
____° AT ____'
____° AT ____'
____° AT ____'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE NO.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
0-2.0	0-0.61	CASING										
2.0-3.0	0.61-0.91	GRANITE PPY Broken core. Weakly chloritic tofresh granite.	A-062	2.0	3.0	0.61	0.91	1.0	0.3	.00	.00	.00
3.0-4.2	0.91-1.28	ALTERATION / SHEAR ZONE Broken core. Strong chloritic to argillic alt. granite. All but quartz alt. to f.g. chlotte sericite & clay minerals. Original texture vaguely apparent. 3.6-3.9, Greenish gray clay/gouge 'sandy' 3.9-4.2-, Strong chloritic alt.	A-063	3.0	4.2	0.91	1.28	1.2	0.37	.00	.04	.05
4.2-5.4	1.28-1.65	ALTERED GRANITE Weak to moderate chloritic, propylitd alt. Mafic chloritized. Plag. greenish tobrownish gray.	A-064	4.2	5.4	1.28	1.65	1.2	0.37	.00	.00	.00
5.4-10.5	1.65-3.20	ALTERATION/GOUGE/SHEAR ZONE Intense chloritic, epidotic, argillic alt. with all altered except qtz. Groundmass sheared & ground along many parallel micro fractures. Origional textures destroyed. G.M. sericitic. Gouge zones a few mm wide are common. 9.5 - 9.8, Altered aplite/med. gn. granitic dyke.	A-065	5.4	10.5	1.65	3.20	5.1	1.55	.12	.02	.05
10.5-11.6	3.20-3.54	ALTERED GRANITE Weak chloritic alt. of granite ppy. Mafics chloritized. Plag. greenish to brownish gray. K-spar pink. Origional texture no alt.	A-066	10.5	11.6	3.20	3.54	1.1	0.34	.00	.00	.00

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS
11.6- 73.0	3.54- 22.25	GRANITE PPY Aprox fresh granite K-spar, pink aprox 30%, 2-4cm, euhedralphenos Plag, white aprox 45%, 2-5mm /euhedral Qtz, gray, aprox 15-20%, 2-5mm, anhedral Mafics, Hb greater than Bi, aprox 10%, 2-5mm masses. 11.6 - 17.6, Plag. brownish 26.0-27.0, Fractured core. Weakly chloritic 31.0-32.0, Peg. dyke 72.2- 73.0, Aplite.							

PROPERTY: Arlington
LOGGED BY: T. Henneberry
DATE LOGGED: June 21/81
DATE COLLARED: June 16/81
DATE COMPLETED: June 16/81

HOLE NO.: A-10
LOCATION: 14+15N
AZIMUTH: 333.43°
DIP AT COLLAR: -37.3°
DEPTH: 121'/ 36.88m

DIP TESTS
___° AT ___'
___° AT ___'
___° AT ___'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals in feet)	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn	Au
0-8.8	0-2.68	ALTERED GRANITE Zone of strong chlorite, epidote alteration (+ sericite) Mafics show chlorite & epidote, plag. shows clays (sericite) + chlorite & epidote. The k-spar shows clays in fractures and at crystal edges. The qtz. and feldspar crystals show heavy fracturing. Fractures show chlorite + clays 0. - 0.6' broken crushed core. 0.5 feet missing.	54335	0	4.4	0	1.34	4.4	1.34	.06	.01	.01	
			54336	4.4	8.8	1.34	2.68	4.4	1.34	.00	.01	.04	
8.8-9.9	2.68-3.02	ALTERED GRANITE Zone marked by incrase of k-feldspar (possible pegmatite?) which is masked by chlorite and epidote. Diss pyrite on fractures.	54337	8.8	9.9	2.68	3.02	1.1	0.34	.00	.00	.00	<.005
9.9-11.4	3.02-3.47	ALTERED GRANITE Zone of moderate chloritic (plagioclase, chlorite & k-spar) epidotic (plag. & chlorite) and argillic (k-spar & plag.) alteration. Chlorite & clays ± diss pyrite on fractures.	54338	9.9	11.4	3.02	3.47	1.5	0.46	.00	.00	.01	<.005
11.4-14.7	3.47-4.48	ALTERED GRANITE Zone of moderate chloritic alt., with mod. epidote & weak clays. K-feldspar shows clays ± epidote along fractures & crystal edges. This zone also shows silicification. Fractures show chlorite ± clays ± diss py. Slickensides on fracture at 15.0 feet.	54339	11.4	14.7	3.47	4.48	3.3	1.01	.00	.00	.01	
14.7-19.4	4.48-5.91	ALTERED GRANITE Zone of mod. chloritic alt. in which plag. (40%) & the mafics (10 - 15%) show complete chl'n. Plag. also shows some clays (kaolinite & sericite?). K-spar (30%, as phenocrysts; less than 4cm) shows signs of weak chl and clays. The remainder of the granite is 15 - 20% qtz. This zone also shows moderate silicification. Fractures show chl ± clays ± diss pyrite.	54340	14.7	19.4	4.48	5.91	4.7	1.45	.00	.01	.00	<.005

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET From	FEET To	METERS From	METERS To	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn	Au
19.4-25.5	5.91-7.77	ALTERED GRANITE Zone of weak to mod. chl'c alt. Mafics are completely chl'd. Plagioclase shows partial to complete alt. to chl + clays. k-spar is fairly fresh. This zone is heavily fractured with fractures showing chl ± hematite ± clays.	54341	19.4	25.5	5.91	7.77	6.1	1.86	.00	.00	.00	
25.5-26.6	7.77-8.11	ALTERED GRANITE, BRECCIA ZONE Zone of strong to pervasive chloritic alt. Zone also show silicification over 25.5 - 25.9'. The remainder seems to be brecciated, with qtz. being the only recognizable mineral. The qtz is heavily fractured. Diss py within breccia.	54342	25.5	26.6	7.77	8.11	1.1	0.34	.00	.00	.00	<.005
26.6-29.7	8.11-9.05	ALTERED GRANITE Zone of moderate to weak chloritic alt. Mafics chl'd, plag. partially chl'd, also showing clays k-spar fairly fresh. Fracture chl ± clays ± hematite.											
29.7-30.7	9.05-9.36	ALTERATION, BRECCIA ZONE Zone of strong to pervasive chl'c alt. Qtz shows heavy fracturing & subsequent silicification. Diss pyrite throughout.	54343	29.7	30.7	9.05	9.36	1.0	0.30	.00	.00	.00	<.005
30.7-33.9	9.36-10.33	ALTERED GRANITE Zone of mod. to weak alt. Mafics show complete chl'n. Plag. shows clays + chl. K-spar shows weak alt. on its fringes and crystal fractures. Fractures show chl ± clays ± hematite.											
33.9-34.7	10.33-10.58	ALTERATION, BRECCIA ZONE Pervasive chl, qtz shows signs of heavy fracturing. Subsequent silicification.	54344	33.9	34.7	10.33	10.58	0.8	0.24	.00	.00	.00	
34.7-36.7	10.58-11.19	ALTERED GRANITE Zone of mod. to weak chl'c alt. Mafics show chl. Plag. shows kaolinite & chl. K-spar remains fairly fresh. Fractures show chl ± hematite ± clays.											
36.7-46.4	11.19-14.14	GRANITE PPY Predominantly fresh granite with mafic chl'd and 0-40% of plag. showing clays + chlorite. Fractures predominantly show chlorite ± hematite.											

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn	Au
46.4-53.8	14.14-16.40	APLITE DYKE at 85° to core. The dyke ranges from fresh to mod. chl. altered.											
53.8-55.3	16.40-16.86	ALTERED GRANITE Zone of weak chl'c alt. affecting the mafics & plag. K-spar shows chl. along fractures and edges. Fractures show chl. Slickensides at 54.4'. Zone seems to be silicified.											
55.3-55.9	16.86-17.04	ALTERATION BRECCIA ZONE Zone of pervasive chl. alt. Qtz. shows heavy fracturing Diss pyrite	54345	55.3	55.9	16.86	17.04	0.6	0.18	.00	.00	.00	<.005
55.9-58.8	17.04-17.92	ALTERED GRANITE Zone of mod. chl'c alt. Plag & mafics show complete chl'n Chl seems to be slightly masking the entire unite, including k-spar which is only partially pind. Fractures show chlorite ± clays ± diss pyrite	54346	55.9	58.8	17.04	17.92	2.9	0.88	.00	.00	.00	<.005
58.8-62.9	17.92-19.17	ALTERED GRANITE Zone of weak chl'c alt., with mafics showing complete chl'n and plag showing partial to complete alt. K-spar is fairly fresh. (chlorite ± hematite ± clays ± diss pyrite in fractures.											
62.9-65.7	19.17-20.02	APLITE DYKE at 70° to core. Dyke may also be partially silicified granite. The dyke shows weak clays & disseminated pyrite throughout.	54347	62.9	65.7	19.17	20.02	2.8	0.85	.00	.00	.00	
65.7-82.3	20.02-25.09	ALTERED GRANITE Zone of mod. alt. Mafics are chl'd. Plag. shows chl & clays K-spar is fairly fresh. There is a pegmatite dyke at 69.3 - 69.5'. Fractures show chl ± clays ± hematite ± diss pyrite. There are minor aplite stringers ar 73.1-73.3 at 50° 76.8 - 77.1' at 80° to core. There are numerous small zone of increased k-spar, and stronger chloritic alteration.											

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn	Au
82.3-85.3	25.09-26.00	ALTERED GRANITE Zone of mod. chl'c alt., with plag showing chl & clays. Mafics are chl'd. k-spar shows clays along fractures and rims. Fractures show chl ± clays ± hematite	54348	82.3	85.3	25.09	26.00	3.0	0.91	.00	.00	.00	
85.3-88.6	26.00-27.01	ALTERED GRANITE Zone of strong chl'c alt, with only the k-spar remaining partially pind. Fractures show pervasive chl ± clays ± diss pyrite.	54349	85.3	88.6	26.00	27.01	3.3	1.01	.00	.00	.00	<.005
88.6-91.0	27.01-27.74	ALTERED GRANITE Zone of mod. chl'c weak argillic alt. K-spar remains fairly fresh. Fractures show strong chlorite ± hematite ± clays., ± diss pyrite.	54350	88.6	91.0	27.01	27.74	2.4	0.73	.00	.00	.00	<.005
91.0-94.6	27.74-28.83	ALTERED GRANITE Zone of strong chl'c alt, with only the k-spar remaining partially pink. Fractures show intense chlorite ± clays.	54301	91.0	94.6	27.74	28.83	3.6	1.10	.06	.00	.01	
94.6-96.0	28.83-29.26	PEGMATITE DYKE at 30° to core. Dyke shows strong chlorite in unidentifiable crystals (poss. mafic) + moderate clays in the k-spar.	54302	94.6	96.0	28.83	29.26	1.4	0.43	.06	.00	.00	
96.0-97.0	29.26-29.57	ALTERED GRANITE Zone of strong chl'c alt. with only the k-spar remaining partially pink. Fractures show mod. chl. ± clays ± diss pyrite.	54303	96.0	97.0	29.26	29.57	1.0	0.30	.12	.00	.03	<.005
97.0-97.6	29.57-29.75	PEGMATITE DYKE at 70° to core. As 94.6 - 96.0											
97.6-100.3	29.75-30.57	ALTERED GRANITE Zone of moderate to strong chl'c alt., with the k-spar remaining visibly pink, but showing clays & chlorite. Fractures show moderate chlorite.	54304	97.6	100.3	29.75	30.57	2.7	0.82	.06	.00	.02	
100.3-100.5	30.57-30.63	PEGMATITE DYKE at 85° to core. As 94.6-96.0											
100.5-102.3	30.63-31.18	ALTERED GRANITE Zone of strong chl'c alt. with the k-spar remaining partially pink. Fractures show chlorite ± clays. There is a 0.1 ft. gouge at 102.1 ft.	54305	100.5	102.3	30.63	31.18	1.8	0.55	.06	.00	.02	

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
102.3- 103.5	31.18- 31.55	ALTERED GRANITE Zone of mod. chl'c àlt. with k-spar remaining fairly pink although it still shows clays. The zone seems to show an increase to 40% of k-spar. Fractures show chlorite ± clays.	54306	102.3	103.5	31.18	31.55	1.2	0.37	.06	.01	.01		
103.5- 105.2	31.55 32.06	ALTERATION, SHEAR ZONE Zone of pervasive (shear) to strong chloritic alt. The first 0.4 ft. is gouge. The last 0.1 ft. grade into an aplite dyke.	54307	103.5	105.2	31.55	32.06	1.7	0.52	.00	.01	.00		
105.2- 106.6	32.06- 32.49	APLITE DYKE at 75° to c ore. Dyke shows mod. epidote and chlorite.												
106.6- 110.0	32.49- 33.53	ALTERATION SHEAR ZONE Zone of pervasive chlorite marked by almost continuous gouge. Gouges at 106.6 - 106.8 107.0 - 108.6 and 109.8 - 110.0	54265	106.6	110.0	32.49	33.53	3.4	1.04	.12	.07	.03		
110.0 - 121.0	33.53- 36.88	GRANITE PPY Predominantly fresh granite. Fractures show chlorite ± hematite.												
		121.0', 36.88m E.O.H.												

PROPERTY: Arlington
LOGGED BY: T. Henneberry
DATE LOGGED: June 21/81
DATE COLLARED: June 17/81
DATE COMPLETED: June 18/81

HOLE NO.: A-11
LOCATION: 14+15N
AZIMUTH: 330.12°
DIP AT COLLAR: -53°
DEPTH: 157'/47.85m

DIP TESTS
° AT '
° AT '
° AT '

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn	Au
0-2.0	0-0.61	CASING											
2.0-11.2	0.61-3.41	ALTERED GRANITE Zone of strong chl'c, ep'c alt. Mafics chl & ep. Plag. ch & ep & clays. K-spar shows clays along fractures and at crystal rims. All crystals show heavy fracturing. Fractures show chlorite ± clays ± diss pyrite.	54364	2.0	7.0	0.61	2.13	5.0	1.52	.00	.01	.01	.006
			54365	7.0	11.2	2.13	3.41	4.2	1.28	.00	.00	.00	
11.2-15.4	3.41-4.69	ALTERED GRANITE Zone of strong chl'c alt., with the k-spar phenocrysts only partially pink. Mafics are chl'd and Plag. shows chl & chays. The zone also looks silicified. Fractures chl ± clays ± diss pyrite.	54366	11.2	15.4	3.41	4.69	4.2	1.28	.00	.00	.00	<.005
15.4-29.6	4.69-9.02	ALTERED GRANITE Zone of weak chl'c alt. marked by chl'n of mafics and partial chl'n of plag. which also shows some clays. K-spar remains fairly fresh. There are numerous "seams" of epidote running throughout the unit. Fractures show chlorite + hematite ± clays ± diss pyrite.											
29.6-30.3	9.02-9.24	ALTERATION, SHEAR ZONE Zone of pervasive chl, marked by a 15° to core axis. Hematite stained shear.	54367	29.6	30.3	9.02	9.24	0.7	0.21	.00	.00	.00	<.005
30.3-31.3	9.24-9.54	ALTERED GRANITE Zone of strong chl'c alt., with the k-spar remainin g only partially pink Fractures show chlorite.	54368	30.3	31.3	9.24	9.54	1.0	0.30	.00	.00	.00	
31.3-31.8	9,54-9.69	APLITE DYKE at 35° to core Dyke is marked by chlorite.											
31.8-49.0	9.69-14.94	GRANITE PPY Zone of fresh to weakly chloritically alt. granite. The mafics (10 - 15%) are chl'd and the plag. (40%) is fresh to partially chl'd/kao'd. The k-spar (30%) (predominantly											

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn	Au
		as phenocrysts; less than 4cm) is fresh. The remainder of the granite is composed of qtz (20%). 40% of fractures show chlorite ± clays ± hematite.											
49.0-51.9	14.94-15.82	PEGMATITE ZONE Zone of two predominantly fresh pegmatite dykes with a zone of weakly chloritically alt. granite between them. The dykes are 49.0 - 49.9' at 90° to core. and 51.2 - 51.9 ' at 70° to core.											
51.9-52.7	15.82-16.06	ALTERED GRANITE Zone of moderate to strong chl'c alt, with the k-spar remaining completely to partially pink. Fractures show chlorite ± clays.	54369	51.9	52.7	15.82	16.06	0.8	0.24	.00	.00	.01	
52.7-54.5	16.06-16.16	ALTERED GRANITE Zone of weak to mod. chl'c alt. marked by complete chl'n of the mafics and partial to complete chl'n/ kao'n. of the plag. The k-spar remains relatively pink. Fractures show chlorite ± clays ± hematite.											
54.5-55.4	16.61-16.89	APLITE DYKE At 85° to core axis. Marked by chlorite.											
55.4-56.9	16.89-17.34	ALTERED GRANITE Zone of mod. chl'c alt. with the mafics & plag. chl'd. K-spar is faitly pink, but heavily fractured, with chl. & clays along the crystal fractures. Fractures show chlorite ± epidote.											
56.9-58.8	17.34-17.92	ALTERED GRANITE Zone of pervasive chl'c alt., with qtz being the only recognizable mineral.	54370	56.9	58.8	17.34	17.92	1.9	0.58	.00	.00	.00	<.005
58.8-60.7	17.92-18.50	ALTERED GRANITE Zone of strong chl'c alt, in which the k-spar remains only partially pink. Fractures show intense chlorite ± clays.	54371	58.8	60.7	17.92	18.50	0.9	0.27	.00	.00	.00	
60.7-61.8	18.50-18.84	ALTERED GRANITE Zone of pervasive chlorite as 56.9 - 58.8	54372	60.7	61.8	18.50	18.84	1.1	0.34	.00	.00	.00	

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
61.8-65.2	18.84-19.87	ALTERED GRANITE Zone of mod. to strong chl'c alt, in which the k-spar, is fairly fresh to only partially pink. Fractures chlorite ± clays.	54373	61.8	65.2	18.84	19.87	3.2	0.98	.00	.00	.00		
65.2-67.3	19.87-20.51	ALTERED GRANITE Zone of strong chloritic alt. in which the k-spar remains only partially pink. The k-feldspar seems to be well fractured as does the qtz. Fractures show chlorite ± clays to hematite.	54374	65.2	67.3	19.87	20.51	2.1	0.64	.00	.00	.01		
65.2-78.7	20.51-23.99	ALTERED GRANITE Zone of weak to mod. chl'c alt. with the plag. showing partial to complete alt. Fractures show chl ± hematite ± clays.												
78.7-81.6	23.99-24.87	ALTERED GRANITE Zone of mod. chl'c alt. in which k-spar is still partially alt. by still remains pink. Fractures show chl & hematite.	54375	78.8	81.6	23.99	24.87	2.9	0.88	.00	.00	.00		
81.6-82.1	24.87-25.02	ALTERED GRANITE Zone of strong chlorite, showing abundant clays along fractures.	54326	81.6	82.1	24.87	25.02	0.5	0.15	.00	.00	.00		
82.1-83.0	25.02-25.30	ALTERED GRANITE ZZone of mod. chloritic alt. as 78.7 - 81.6	54327	82.1	83.0	25.02	25.30	0.9	0.27	.00	.00	.00		
83.0 - 85.4	25.30-25.42	PEGMATITE at 85° to core, Weak chlorite.												
83.4-85.7	25.42-26.12	ALTERED GRANITE Zone of strong chl'c alt. as 81.6 - 82.1												
85.7-100.8	26.12-30.72	ALTERED GRANITE Zone of weak to mod. chl'c alt. in which the plag. is partially to completely chl'd. Fractures show chlorite ± clays ± hematite. The last 3 feet of the unit show an increase to 60% of k-spar as well as a stronger chl'c alt.												
100.8-102.7	30.72-31.30	APLITE DYKE at 70° to core. Dyke show weak to mod. chlorite.												
EOH														

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn	Au
102.7-104.6	31.30-31.88	ALTERED GRANITE Zone of mod. chl'c alt. in which the k-spar remains fairly pink. Epidote also is found in unit (moderate) fractures show chlorite ± clays ± epidote ± hematite.	54328	102.7	104.6	31.30	31.88	1.9	0.58	.00	.01	.00	
104.6-111.3	31.88-33.92	ALTERED GRANITE Zone of strong chl'c alt. in which all minerals are chl'd but original textures are still observable. Fractures show chlorite ± clays ± diss pyrite	54329	104.6	111.3	31.88	33.92	6.7	2.04	.06	.01	.00	<.005
111.3-112.9	33.92-34.41	ALTERED GRANITE Zone of mod. chl'c alt. Mafics and plag. chl'd. K-spar still fairly pink. Fractures chl ± hematite ± clays											
112.9-116.0	34.41-35.36	ALTERED GRANITE Zone of strong chl'c alt. with the k-spar only partially pink. Fractures show chlorite±clays± hematite	54330	112.9	116.0	34.41	35.36	3.1	0.94	.06	.00	.00	
116.0-119.8	35.36-36.52	ALTERATION SHEAR ZONE Zone of pervasive chl alt, marked by numerous gouge zone These gouge zones are 116.6 - 116.7', 117.0-117.2', 117.6 to 119.8'	54331	116.0	119.8	35.36	36.52	3.8	1.16	23	.21	.78	
119.8-120.2	36.52-36.64	PEGMATITE DYKE at 40° to core. Predominantly fresh											
120.2-120.7	36.64-36.79	ALTERED GRANITE Zone of moderate chl'c alt. in which k-spar is fairly fresh. Marked by increase to 60% of k-feldspar.											
120.7-123.2	36.79-37.55	ALTERATION SHEAR ZONE Zone of pervasive chl'c alt. marked by gouge zones at 120.7 - 121.2 ft, 121.4 - 121.6', 122.0 - 122.2 ft.	54332	120.7	123.2	36.79	37.55	2.5	0.76	.06	.01	.01	
123.2-124.3	37.55-37.89	ALTERED GRANITE Zone of moderate chl'c alt., with the k-spar remaining fairly fresh. Plagioclase shows both chl & kaolinite. Fractures show chlorite ± clays.											
124.3-125.2	37.89-38.16	ALTERED GRANITE Zone of pervasive chlorite alt. with a small 0.05' gouge at the start of the unit. Fractures show chlorite ± hematite ± clay.	54333	124.3	125.2	37.89	38.16	0.9	0.27	.00	.01	.04	

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
125.2- 126.7	38.16- 38.62	GRANITE PPY Predominantly fresh granite in which only 10-20% of plag. show weak clays. Mafics are chl'd.										
126.7- 127.4	38.62- 38.83	PEGMATITE DYKE at 40° to core. Predominantly fresh.										
127.4- 133.7	38.83- 40.75	GRANITE PPY Fresh granite as 125.2 - 126.7										
133.7- 135.1	40.75- 41.18	PEGMATITE DYKE at 30° to core. The dyke is fine grained.(less than 1cm) for a pegmatite. The dyke shows mod. chl & clays										
135.1- 138.3	41.18- 42.15	GRANITE PPY Fresh granite as 127.4 - 133.7										
138.3- 138.9	42.15 42.34	PEGMATITE DYKE at 40° to core. As 133.7 - 135.1										
138.9- 151.8	42.34- 46.27	GRANITE PPY Fresh granite as 135.1 - 138.3										
151.8- 152.4	46.27- 46.45	FINE GRAINED GRANITE DYKE at 45° to core. Fresh										
152.4- 157.0	46.45- 47.85	GRANITE PPY Fresh granite as 138.9 - 151.8. There is a 0.3' zone of weak chloritic alt, which is also silicified at 155.5 ft. 157.0', 47.85m E.O.H.	54334	155.5	155.8	47.40	47.49	0.3	0.09	.17	.02	.02

PROPERTY Arlington
LOGGED BY T. Henneberry
DATE LOGGED June 22, 1981
DATE COLLARED June 18/81
DATE COMPLETED June 22/81

HOLE NO. A-12
LOCATION 14+15N
AZIMUTH 326.12°
DIP AT COLLAR -75.1°
DEPTH 188.0'/52.30m

DIP TESTS
____° AT ____'
____° AT ____'
____° AT ____'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals in feet)	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
0-2.0	0-0.61	CASING										
2.0-	0.61-	ALTERED GRANITE Zone of moderate to strong chloritic epidotic alt. in which the k-spars partially to completely alt. to clays and chlorite mafics and chl'd. Plag. shows clays + chlorite. The original texture is partially to completely observable. Zone also shows silicification. Fractures show epidote + chlorite ± clays ± diss, pyrite. 2.0 - 2.6 ft. is broken core in which 2.7 feet is missing.	54308	2.0	6.0 missing 2.7 feet	0.61	1.83	4.0	1.22	.00	.00	.00
6.0-9.6	1.83-2.93	ALTERED GRANITE Zone of mod. chloritic alt. in which the plag. is not as intensely alt. as above. The k-spar is fresh to only partially alt. Mafics are chloritized. 5° - 15° fractures throughout this unit carry intense chlorite. Fractures carry chlorite ± clays ± diss pyrite	54309	6.0	9.6	1.83	2.93	3.6	1.10	.06	.00	.03
9.6-9.9	2.93-3.02	ALTERED GRANITE Zone of strong epidotic, chloritic alt. with the k-spar only partially pink. Zone also shear s strong silicification. Fractures show epidote ± chlorite ± diss pyrite.	54310	9.6	9.9	2.93	3.02	0.3	0.09	.06	.00	.01
9.9-10.5	3.02-3.20	ALTERED GRANITE Zone of mod. chloritic alt. as 6.0 - 9.6'	54311	9.9	10.5	3.02	3.20	0.6	0.18	.06	.00	.03
10.5-11.6	3.20-3.54	ALTERED GRANITE Zone of strong epidotic, chl*c alt. as 9.6-9.9' Zone is cut by nemerous 30° - 45° fractures showing intense chlorite.	54312	10.5	11.6	3.20	3.54	1.1	0.34	.06	.00	.01

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
11.6-13.5	3.54-4.11	ALTERED GRANITE Zone of mod. to strong epidotic, chl*c alt. k-spar partially to completely alt. to clays, chlorite & epidote. Mod. fractured. Fractures show epidote + chlorite ± clays ± diss pyrite. Fracture at 11.6' shows slickensides.	54313	11.6	13.5	3.54	4.11	1.9	0.58	.06	.00	.01		
13.5-14.6	4.11-4.45	ALTERED GRANITE Zone of mod. chl*c alt., in which plag. is chl'd kaolinized, mafics are chl*d and k-spar show clay along fractures & crystal edges. Fractures chlorite ± clays.	54264	13.5	14.6	4.11	4.45	1.1	0.34	.06	.00	.00		
17.6-16.1	4.45-4.91	PEGMATITIC DYKE At 40° to core. Zone shows weak to mod. chlorite.												
16.1-18.7	4.91-5.70	ALTERED GRANITE Zone of mod. to weak chl*c alt. in which plag. (40%) show partial to complete chl*n/Kao'n. mafics (10 - 15%) show chl*n. K-spar (30%) (predominantly as phenocrysts; less than 4cm) is only slightly alt. to clays along crystal edges. The remainder of the granite (20%) is qtz. Fractures show chl ± clays ± hematite.												
18.7-20.2	5.70-6.16	PEGMATITE DYKE at 30° to core. As 14.6 - 16.1												
20.2-34.9	6.16-10.64	ALTERED GRANITE Zone of weak chl*c alt. With k-spar fresh plag. showing weak chl*c/epidotic/kao'c alt. and mafics shows chl*n. Fractures show chl ± clays ± hematite.												
34.9-42.4	10.64-12.92	GRANITE PPY Predominantly fresh granite, with fracture showing weak chl ± clays ± hematite.												
42.4-46.3	12.92-14.±1	ALTERED GRANITE Weakly chloritically alt. to fresh granite. Fractures in this unit show intense chlorite.	54314	42.4	46.3	12.92	14.11	3.9	1.19	.00	.00	.01		

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
46.3– 51.0	14.11– 15.54	GRANITE PPY Predominanly fresh granite, with fractures showing weak chlorite ± clays ± hematite.										
51.0– 52.9	15.54– 16.12	MAFIC DYKE, GRANITE TRANSITION ZONE Zone of intertonguing between mafic dyke and granite ppy.										
52.9– 57.9	16.12– 17.65	MAFIC DYKE at 20° to core axis. The dyke is chl*d. and has numerous granitic xenohths within it.										
57.9– 80.3	17.65– 24.48	GRANITE PPY Zone of fresh to weakly chl*y alt. granite. Plag is fresh to weakly chl*d/ kao'd. Mafics are chl'd. K-spar is fresh to weakly alt (clays) on crystal edges. 30% of fractures show chlorite ± hematite ± clays. There is a series of fractures at 10 - 30° to core axis that crry intense hematite ± carbonate.										
80.3– 82.2	24.48– 25.05	ALTERED GRANITE Zone of mod. chl*c alt. plag/chl'd, kao'd, mafics chl'd, k-spar partially alt. pink clearly visible. The last 0.5' of unit is broken core. Fractures show chl ± clays ± hematite.	54315	80.3	82.2	24.48	25.05	1.9	0.58	.00	.00	.03
82.2– 82.9	25.05– 25.27	APLITE DYKE at 15° to core axis. Dyke shows strong chlorite										
82.9– 88.1	25.27– 26.85	GRANITE PPY Zone of fresh to weakly chloritically alt. granite As 57.9 - 80.3										
88.1– 99.5	26.85– 30.33	ALTERED GRANITE Zone of weak chl'c, kao'c alt. Mafics chl*d, plag. shows mod. kaolinite. K-spar ϕ crystals are heavily fractured & show clays along fractures and rims.										
99.5– 102.2	30.33– 31.15	ALTERED GRANITE Mod. alt. of granite py. Ep'd and chl'd groundmass with few minerals being recognizable here.										

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
K -		K-spars are quite well preserved through somewhat fractured. Intense chlorite along fractures Most original textures preserved.												
102.2- 102.8	31.15- 31.33	PEGMATITIC GRANITE Weakly alt. slightly fractured, synchronous pegmatite. Less than 5% mafics, which are chl'd.												
102.8- 105.7	31.33- 32.22	ALTERED GRANITE Weakly alt. granite ppy as at 88.1 - 99.5												
105.7 109.8	32.22- 33.47	ALTERED GRANITE Strongly alt. granite ppy. Chl'd groundmass with epidote and chlorite along fractures. K-spars have lost some color and crystal pymmetry. Some local brecciations present, as well as small gouges.	54266	105.7	109.8	32.22	33.47	4.1	1.25	.00	.00	.00		
109.8- 126.0	33.47- 38.40	ALTERED GRANITE Weak to mod. alt. of granite ppy. Chl'd mafics ep'd and kaol'd plag. K-spars generally original Original textures preserved.												
126.0- 127.3	38.40- 38.80	ALTERED GRANITE Strongly alt. granite ppy. Groundmass is chl'd along with some ep & clays, K-spars are fractured as well as hydrothermally alt. Local brecciations. Some original textures preserved.	54267	126.0	127.3	38.40	38.80	1.3	0.40	.00	.00	.01		
127.3- 129.4	38.80- 39.44	ALTERED GRANITE Weakly alt. granite ppy. Chl'd mafics, somewhat ep'd plag. Some broken core, original textures preserved.												
129.4- 131.7	39.44- 40.14	ALTERED GRANITE Moderate to strong alt. of granite ppy. Bulk of groundmass, as well. K-spars poorly preserved Most original textures destroyed because of extensive fracturing.	54268	129.4	131.7	39.44	40.14	2.3	0.70	.00	.00	.00		
131.7- 151.2	40.44- 46.09	ALTERED GRANITE Weakly alt. granite ppy. Essentially similar to 127.3 - 129.4 Chl'd mafics. Plag. shows both ep. and clay alterations. Hematite and qtz.												

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET From	FEET To	METERS From	METERS To	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
		filled fractures. K-spars generally well preserved., although some are fractured. Except for shear/gouge zone at 139.4 - 139.6, original textures preserved. Last 1' of core exhibits more epidote than remainder of zone.										
151.2-156.0	46.09-42.55	PEGMATITIC GRANITE Weakly alt. somewhat fractured, synchronous pegmatite. 80% k-spar, 10% qtz, 8% plag, 2% mafics. Qtz. filled fractures. Traces sericite.										
156.0-166.2	47.55-50.66	ALTERED GRANITE Weakly alt. granite ppy. Mainly argillic alt. of plag. Chl'd mafics & little ep. K-spars remain intact with most of original color, though locally somewhat sheared. Original textures preserved.										
166.2-167.0	50.66-50.90	PEGMATITIC GRANITE as at 151.2 - 156.0										
167.0-170.2	50.90-51.88	ALTERED GRANITE Intense argillic alt. of granite ppy. Zone is best described as having a conglomeratic texture, with qtz as clasts and clay minerals as matrix. Qtz. grains are rounded. Original textures desttroyed. Fault gouge present at 167.0 and 168.0	54269	167.0	170.2	50.90	51.88	3.2	0.98	.00	.01	.01
170.2-171.8	51.88-52.36	ALTERED GRANITE Intense argillic alt. Similar to 167.0 - 170.2, but more epidote and hematite present in argillized groundmass, Some perserved k-spar fragments as well.	54270	170.2	171.8	51.88	52.36	1.6	0.49	.00	.01	.00
171.8-174.6	52.36-53.22	ALTERED GRANITE Intense argillic alt., as at 167.0 - 170.2. 171.8 to 172.8 is almost plastic gouge material. Some preserved k-spar fragments, as well as qtz. Original textures destroyed.	54271	171.8	174.6	52.36	53.22	2.8	0.85	.00	.00	.00
174.6-176.0	53.22-53.64	ALTERED GRANITE Weak to mod. alt. of granite ppy. Chl'd mafics, argillized plag. K-spars have lost some color and are somewhat fractured. Plastic fault gouge present at 175.8 at 20° to C.A. Some ep. present, particularly in fractures. Orig. textures preserved.	54272	174.6	176.0	53.22	53.64	1.4	0.43	.00	.01	.01

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
176.0-	53.64-	ALTERED GRANITE										
182.0	55.47	Strong to intense alt. Mainly argillic alt, some ep. and chl. present as well. Entire section of core quite friable and clay-like, Hematite staining present. Original textures destroyed.	54273	176.0	179.0	53.64	54.56	3.0	0.91	.00	.00	.00
			54274	179.0	182.0	54.56	55.47	3.0	0.91	.00	.00	.00
182.0-	55.47-	ALTERATION ZONE										
182.5	55.63	Section of completely chl'd material, no structures present, original textures completely destroyed	54275	182.0	182.5	55.47	55.63	0.5	0.15	.00	.00	.00
182.5-	55.63-	ALTERED GRANITE										
184.2	56.14	Moderately alt. granite ppy. Chl'd mafics, with argillic alt. of plag. Hematite, chl and qtz filled fractures. Traces of epidote staining. Original textures preserved.	50302	182.5	184.2	55.63	56.14	1.7	0.52	.06	.00	.00
184.2-	56.14-	ALTERED GRANITE										
186.3	56.78	Strongly alt. granite ppy, Silicification overprints chl'n of mafics and ep'n of plag. Alt. may be feldspathization. Original textures destroyed.	50301	184.2	186.3	56.14	56.78	2.1	0.64	.06	.00	.01
186.3-	56.78-	ALTERED GRANITE										
188.0	57.30	Moderately alt. granite ppy. as at 182.5 - 184.2										
		E.O.H. at 188.0 feet/ 57.30m										

PROPERTY: Arlington
LOGGED BY: G. Allen
DATE LOGGED: June 3/81
DATE COLLARED: June 1/81
DATE COMPLETED: June 3/81

HOLE NO.: A-13
LOCATION: 14+05N
AZIMUTH: 270.07°
DIP AT COLLAR: -36.5°
DEPTH: 41.45m/136.0'

DIP TESTS
___° AT ___'
___° AT ___'
___° AT ___'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn	Au
0-7.0	0-2.13	ALTERED GRANITE Intensely alt. granite ppy. Rounded qtz crystals & vague pink to greenish gray fragments of k-spar in ~~ppy~~ ground g.g. g.m. of sericite, epidote & chlorite. Original textures destroyed. traces PY	14432	0	7.0	0	2.13	7.0	2.13	.00	.00	.00	<.005
7.0- 7.8	2.13- 2.38	ALTERED GRANITE Strong chloritic alt. of granite ppy. Much as 0-7.0. Chlorite predom. alt. mineral. BROKEN CORE. Orig. textures destroyed.	14433	7.0	12.0	2.13	3.66	5.0 (1.2' missing)	1.52	.06	.00	.00	
7.8- 11.2	2.38- 3.41	ALTERED GRANITE Moderate to strong prop. alt. K-spar predom. pink to greenish gray. Mafics chloritized. Some parts sericite. Original textures partially preserved. BROKEN CORE.											
11.2- 12.0	3.41- 3.66	ALTERED GRANITE Weak prop. alt. of granite ppy. Plag. greenish. Mafics chloritic. Orig. textures preserved. BROKEN CORE.											
12.0- 12.9	3.66- 3.93	GRANITIC DYKE Fine grained, dark gray granitic dyke.CI aprox 10. Chlor.	14434	12.0	16.3	3.66	3.93	4.3	1.31	.00	.00	.00	
12.9- 13.7	3.93- 4.18	ALTERED GRANITE Mod. prop. alt. granite ppy. K-spar pink & partially broken up into pieces as small as 0.5cm. Plag. greenish to brownish gray. Mafics chloritized. Original textures partially destroyed. 0 - 14' = 12.8' 1.2' core missing											
13.7- 16.3	4.18- 4.97	ALTERED GRANITE Intense alt. of granite ppy. All but qtz alt. & ground into a f.g. aggregate of epidote, sericite & chlorite.											

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
16.3- 19.4	4.97- 5.91	ALTERED GRANITE Weak prop. alt. of granite ppy. Plag. greenish gray. Mafics chloritized. Original textures preserved.										
19.4- 20.0	5.91- 6.10	GRANITIC DYKE As 12.0 - 12.9, at aprox 50° to core.										
20.0- 23.0	6.10- 7.01	GRANITE PPY Fresh to weakly propylitic granite. K-spar, pink, euhedral, 1-2 & 2-3cm, aprox 30% Plag, white to greenish gray, sub-hedral, 2-4mm, aprox 45% Qtz, gray, 3-6mm, aprox 15% - 25%, anhedral Mafics, chloritic, Hb greater than Bi, aprox 10%.										
23.0- 23.8	7.01- 7.25	GRANITIC DYKE As 12.0 - 12.9										
23.8- 30.4	7.25- 9.27	GRANITE PPY As 20.0 - 23.0										
30.4- 41.2	9.27- 12.56	ALTERED GRANITE Strong chloritic alt. of granite ppy. Rounded qtz crystals up to 8mm, 10 - 40% in g.m of sheared, alt. plag. chlorite & k-spar. In much of this zone, the k-spar has been broken up and ground into g.m. Original textures destroyed. G.M. of f.g. chlorite, epidote & sericite	14435	30.4	35.8	9.27	10.91	5.4	1.65	.00	.00	.00
			14436	35.8	41.2	10.91	12.56	5.4	1.65	.00	.00	.00
41.2- 42.0	12.56- 12.80	ALTERED GRANITE Moderate prop. alt. of granite. Plag. green to brown. Mafics chloritic. K-spar pink, partially broken up. Original textures preserved.	14437	41.2	43.4	12.56	13.23	1.2	0.37	.00	.00	.00
42.0- 43.4	12.80- 13.23	ALTERED GRANITE Strong chloritic alt. As 30.4 - 41.2										
43.4- 44.8	13.23- 13.66	GRANITE PPY Fresh to weakly prop. granite.										
44.8- 45.3	13.66- 13.81	GRANITIC DYKE F.G. granitic intrusive. CI aprox 5 - 10.										

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
45.3- 54.0	13.81- 16.46	GRANITE PPY As 43.4 - 44.8												
54.0- 54.9	16.46- 16.73	GRANITIC DYKE As 44.8 - 45.3												
54.9- 86.3	16.73- 26.30	GRANITE PPY As 43.4 - 44.8 65.8 - 67.5, weakly sheared granite ppy. Weak chloritic epidotic alt. along fractures. less than 8.4 - 2cm gouge	14438	77.7	7.87	23.68	29.99	1.0	0.30	.00	.00	.03		
86.3- 86.9	26.30- 26.49	GRANITIC DYKE Mod. gn. granitic int. 1-2mm crystal size. CI= 2 aprox. "APLITE"												
86.9- 89.4	26.49- 27.25	GRANITE PPY Fresh granite. A s 54.9 - 86.3												
89.4- 94.6	27.25- 28.83	ALTERID GRANITE Moderately alt. granite ppy. K-spar remains mainly pink. Plag. is greenish, gray. Mafics are somewhat chloritized. Original textures are hydrothermally alt. Hematite & qtz. filled fractures. Locally strong epidote & chlorite alt. CI aprox 15.	14439	89.4	94.6	27.25	28.83	5.2	1.52	.00	.00	.00		
94.6- 103.8	28.83- 31.64	ALTERED GRANITE Weak to mod. alt. gr. ppy. Large -k-spars unaltered. Plag. green-gray. Chlorite is main alt. mineral, affecting plag. and mafics. Small qtz fissures tending 35° to core. Original textures reasonably well preserved. CI aprox 10.	14440	94.6	98.8	28.83	30.11	4.2	1.28	.00	.01	.00		
			14441	98.8	103.3	30.11	31.64	5.0	1.52	.00	.02	.04		
103.8- 107.7	31.64- 32.83	ALTERED GRANITE Zon e of mod. to intense chloritic alt. K-spar mod. to strong alt. to chlorite. Fractures show intense chlorite alt., with some clays thermatite. Plag. green-gray. Finer grained tahn 94.6 - 107.7. CI aprox 20.	14442	103.8	107.7	31.64	32.83	3.9	1.19	.00	00	.00		
107.7- 111.4	32.83- 33.95	ALTERATION/SHEAR/GOUGE ZONE K-spars are almost completely destroyed, as well as rest of original textures. K-spars are at best greyish-pink, so strong chl. alt. present. Subhedral qtz crystals, sheared k-spars. Groundmass of chlorite, epidote & sericite. Distinct fault gouge present from 108.8-109.2,	14443	107.7	111.4	32.83	33.95	3.7	1.13	.23	.15	.22		

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
		medium grey, very soft from 109.2 - 111.4, core is extremely brecciated but harder and darker than 108.8 - 109.2. K-spars are pink only in less sheared parts of core. Otherwise, no pink at all, and core is quite dark.										
111.4-115.3	33.95-35.14	ALTERED GRANITE Complete alt. of k-spars, original textures destroyed. Black & white minerals only. Mafics, k-spars plag have all been intensely chloritized. Qtz has been altered to white color. Strong brecciation, some minor fault gouges present. CI= 50. Some fractures present, but not concordant. maybe mylonite.	14444	111.4	115.3	33.95	35.14	5.0	1.52	.41	.02	.58
115.3-122.2	35.14-37.25	ALTERED GRANITE K-spars and most original textures are still well preserved so slight alt. Most of the alt. appears to be hydrothermal, and occurs as chloritic alt. in the mafics, and along fracutres. K-spars & qtz. are still original but plag. is chloritized somewhat. CI= 20.	14445	115.3	118.1	35.14	36.00	2.10	0.64	.23	.53	.11
			14446	118.1	122.2	36.00	37.25	4.11	1.25	.00	.01	.00
122.2-124.5	37.25-37.95	PEGMATITIC DYKE Coarse, grained sequence of predominantly feldspar. Some (aprox 2%) chloritized mafics present. Qtz. filled fractures, some interstitial plag, which is mod. chloritized.										
124.5-128.3	37.95-39.11	ALTERED GRANITE K-spars show beginning of chloritization by their grey color around the crystal margins. Main alt. is chlorite but epidotization is abundant as well. Original textures are very evident, as alt. occured hydrothermally.	14447	124.5	128.3	37.95	39.11	3.8	1.16	.00	00	.00
128.3-128.9	39.11-39.29	PEGMATITIC DYKE Predominant (greater than 99%) k-spar, original structures still present, but some minor frac. parallel to DDH. Mafics which are present are chloritized.										
128.9-129.1	39.29-39.35	ALTERED GRANITE Small inclusion of granite as at 124.5 - 128.3. Both epidotization and chloritization but too minor to sample.										

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET From	FEET To	METERS From	METERS To	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
129.1- 129.6	39.35- 39.50	PEGMATITIC DYKE Continuation of 128.3 - 128.9												
129.6- 136.0	39.50- 41.45	ALTERED GRANITE Essentially the same as 124.5 - 128.3 chloritization & epidotization occurs in slight to moderate amounts.	14448	129.6	136.0	39.50	41.45	6.6	2.01	.06	.01	.00		
		E.O.H.												

PROPERTY: Arlington
LOGGED BY: H.K.
DATE LOGGED: June 8, 1981
DATE COLLARED: June 4/81
DATE COMPLETED: June 8/81

HOLE NO.: A-14
LOCATION: 14+05N
AZIMUTH: 259.7°
DIP AT COLLAR: -53.6°
DEPTH: 163ft/49.68m

DIP TESTS
___° AT ___'
___° AT ___'
___° AT ___'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn	Au
0-5.0	0-1.52	CASING											
5.0-12.4	1.52-3.78 M	ALTERED GRANITE Moderately altered granite ppy. Mafics & plag. are well chloritized & epidotized, but K-spar are still slightly pink. K-spars & quartz crystal margins are destroyed and rounded. Some clays present in fractures. K-spars are locally sheared and intensely alt; in those zones ≠ visible Py is present in mafics CI= 25- 35	A005	5.0	8.7	1.52	2.65	3.7	1.13	.00	.03	.00	<.005
			A-006	8.7	12.4	2.65	3.78	3.7	1.13	.00	.01	.01	<.005
12.4-13.3	3.78-4.05	ALTERED PEGMATITIC GRANITE Probably synchronous pegmatite, groundmass is well epidotized. Rounded qtz, slightly alt. K-spars. Origional textures are reasonably well preserved. Visible PY CI = 5	A-007	12.4	13.3	3.78	4.05	0.9	0.29	.06	.01	.01	<.005
13.3-15.8	4.05-4.82	ALTERED GRANITE Weakly alt. granite ppy, locally mod. alteration to mainly chlorite, but some epidote. Original textures preserved. Plag. slightly altered. CI= 10	A-008	13.3	15.8	4.05	4.82	2.5	0.76	.00	.01	.01	
15.8-18.7	4.82-5.70	ALTERATION/SHEAR ZONE Zone of intensely alt. granite. K-spars (+ mafics) have been completely chloritized & sheared. Visible Py, Rounded, somewhat alt. qtz. Hematite filled fractures. CI= 50	A-009	15.8	18.7	4.82	5.70	2.9	0.88	.00	.02	03	<.005
18.7-46.3	5.70-14.11	ALTERED GRANITE Weakly alt. granite ppy. K-spars remain quite well preserved, euhedral. Mafics are chloritzed plag, silicified. Ep., Qtz, & hematite filled fractures. CI= 10	A-010	18.7	22.7	5.70	6.92	4.0	1.22	.00	.02	.01	
			A-011	42.3	46.3	12.89	14.11	4.0	1.22	.00	.01	.01	

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
47/3-48.6	14.11-14.81	ALTERED GRANITE Moderately alt. gr., ppy. K-spars are smaller and more altered (grey-pink) than 18.7-46.3. More intense fracturing which is almost parallel with core, and is epidote filled. Origional textures somewhat preserved, but gr. bndies are partially re-crystalized. CI= 20	A-012	46.3	48.6	14.11	48.6	2.3	0.70	.00	.01	.00
48.6-61.6	14.81-18.76	ALTERED GRANITE Weakly altered granite ppy. essentially similar to 18.7 - 46.3, but no qtz in fractures, Locally broken core. A few k-spars are locally moderately altered CI= 10	A-013	52.0	56.0	15.85	17.07	4.0	1.22	.00	.01	.00
			A-014	56.0	60.8	17.07	18.53	4.8	1.46	.00	.01	.02
61.6-62.5	18.76-19.05	ALTERATION/SHEAR/GOUGE ZONE Strong chlorite alt. sheared to gouge & sandy clay. Rounded, fractured k-spar & qtz. Predominant chlorite & epidote groundmass	A-015	61.6	62.5	18.76	19.05	0.9	0.27	.00	.01	.01
62.5-82.7	19.05-25.21	ALTERED GRANITE Weakly altered gr. ppy. K-spars are well preserved. All original textures preserved. Mafics are chloritized. Plag. & qtz. remain intact & original CI= 15	A-016	62.5	66.5	19.05	20.27	4.0	1.22	.00	.02	.01
82.7-84.1	25.21-25.63	ALTERED GRANITE Intensely altered groundmass, moderately altered k-spars. K-spars & qtz. are severely fractured, but yet some original texture remains. Some broken core. Chlorite greater than epidote CI = 40	A-017	78.0	82.7	23.77	25.21	4.7	1.43	.00	.00	.00
			A-018	82.7	84.1	25.21	25.63	1.4	0.43	.00	.01	.02
84.1-87.5	25.63-26.67	ALTERED GRANITE Weak to moderately chloritized gr. ppy. large (5 cm) k-spars are relatively unaltered, but chrystal margins are obscurred. Rounded qtz grains, silicified plag. some of the larger K-spare are fractured. Hematite & qtz. filled fractures. CI= 15	A-019	84.1	87.5	25.63	26.67	3.4	1.04	.00	.01	.00

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
87.5-88.1	26.67-26.85	ALTERED APLITE Moderate chloritization of aplite. partially altered K-spars, origional textures preserved. CI = 40	A-020	87.5	88.1	26.67	26.85	0.6	0.18	.00	.01	.01		
88.1-91.2	26.85-27.80	ALTERED GRANITE Weak to moderate alt. (chl greater than ep.) of granite ppy. Large (6cm) euhedral k-spars. Chloritized mafics. Epidote occurs in plag, interstitials, & fractures. Original textures preserved. CI= 15	A-021	88.1	91.2	26.85	27.80	3.1	0.94	.00	.02	.00		
91.2-93.1	27.80-28.38	ALTERED GRANITE Moderate to strong alt. of granite ppy. Original textures preserved, but rounded qtz. grains. Alteration in k-spars varies from mod. to strong Intense chloritization in fractures. CI= 30	A-022	91.2	93.1	27.80	28.38	1.9	0.58	.00	.02	.01		
93	28.38-	ALTERED GRANITE Weakly altered granite ppy. Chloritized mafics plag, is epidotozed. K-spars & qtz. remain original, along with textures CI= 10	A-023	93.1	96.3	28.38	29.35	3.2	0.98	.00	.02	.00		
96.3-97.0	29.35-29.57	ALTERED GRANITE Moderate to strong alt. ofchlorite & epidote. Plag. is well epidotized. K-spars are strongly fractured and have lost pink color. Rounded qtz. grains, recrystallized grain boundries CI= 40.	A-024	96.3	97.0	29.35	29.57	0.7	0.21	.00	.01	.02		
97.0-117.2	29.57-35.72-	ALTERED GRANITE WEAK alterations, probably propylitic. Mafics are alt. to chlorite, but plag, K-spar & qtz. remain intact. A little eqpidote present in what appears to be interstitial spaces. CI=10.	A-025	106.0	109.0	32.31	33.22	3.0	0.91	.00	.01	.00		
117.2-112.9	35.72-37.46	ALTERED GRANITE Moderately alt. granite ppy. plag. & mafics are intensely alt. white k-spar & qtz. remains somewhat original. Rounded crystals, recrystallized grain boundaries. Epidote present in fractures and around k-spare. CI= 25	A-026	117.2	122.9	35.72	37.46	5.7	1.74	.00	.01	.01		

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn	Au
122.9-126.9	37.46-38.68	ALTERED GRANITE Strongly chloritized & epidotized gr. ppy. Most K-spars have turned grey, especially around margins. Plag. is altered to chl. & ep. Qtz. grains rounded. Most original textures destroyed. CI=30.	A-027	122.9	126.9	37.46	38.68	4.0	1.22	.00	.01	.00	
126.9-129.3	38.68 39.41	ALTERATION/SHEAR/GOUGE ZONE Intensely alt. gr. ppy. complete destruction of original textures. Plastic clay present at 127.4 ft. Most k-spar have lost all pinkness. Qtz. grains well rounded, fractured. A little visible pyrite. CI= 70 - 100	A-028	126.9	129.3	38.68	39.41	1.4	0.43	.23	.03	.03	<.005
129.3-129.8	39.41-39.56	PEGMATITIC DYKE V. slight epidotization & fractureing. CI= 5											
129.8-133.4	39.56-40.66	ALTERED GRANITE Strong chloritic alterations of gr. ppy. only qtz. remains original, some epidote on fractures CI = 50.	A-029	129.8	133.4	39.56	40.66	3.6	1.10	.00	.02	.02	
133.4-134.3	40.66-40.93	PEGMATITIC DYKE as at 129.3 - 129.8											
134.3-136.1	40.93-41.48	ALTERED GRANITE Moderate to strong chloritic alt. of granite ppy. Amount of alt. of k-spars varies from intirely pink to entirely grey in adjoining crystals. Plag. is well epidotized and qtz. grains are rounded. CI = 25.	A-030	134.3	136.1	40.93	41.48	1.8	0.55	.00	.00	.00	
136.1-137.8	41.48-42.0	ALTERATION/SHEAR/GOUGE ZONE Well altered & brecciated, sandy gouge present at 136.5 ft. Only recognizable mineral is qtz. Intensely chloritized groundmass.	A-031	136.1	137.8	41.48	42.0	1.7	0.52	.00	.07	.06	
137.8-146.8	42.0-44.74	ALTERED GRANITE Light to moderate alterations of gr. ppy (chl greater than ep.) K-spars remain almost original but mafics & plag. are 100% altered. Some hematite staining. Original textures preserved. CI = 15.	A-032	137.8	141.8	41.48	43.22	4.0	1.22	.00	.00	.00	

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
146.8-148.9	44.74-45.38	PEGMATITIC GRANITE 75% k-spar, 10% plag. 10% qtz, 5% chloritized mafics. Plag is slightly epidotized. CI= 5										
148.9-152.9	45.38-46.60	ALTERED GRANITE Moderate alt. of ppy. K-spars are altered, especially around crystals margins plag. is epidotized, mafics chloritized, qtz. ronded. Original textures preserved. CI= 15.	A-033	148.9	152.9	45.38	46.60	4.0	1.22	.00	.01	.00
152.9-154.5	46.60-47.09	PEGMATITIC GRANITE as 146.8 - 148.9, but slightly more altered, and has vertical (to core) qtz. stringer										
154.5-153.0	47.09-49.68	GRANITE PPY Weak propylitic alt. K-spars, plag, & qtz remain fresh and euhedral. Mafics, however, are chloritized. A few plag. crystals are epidotized.	A-034	154.5	158.5	47.09	48.31	4.0	1.22	.00	.00	.00
		E.O.H.										

SVEINSON WAY MINERAL SERVICES LTD. DIAMOND DRILL LOG PAGE 1

PROPERTY: Arlington
LOGGED BY: T. Henneberry
DATE LOGGED: July 9/81
DATE COLLARED: July 6/81
DATE COMPLETED: July 7/81

HOLE NO.: A-15
LOCATION: 16+40n
AZIMUTH: 307.2°
DIP AT COLLAR: -28°
DEPTH: 80'/24.38m

DIP TESTS
___° AT ___'
___° AT ___'
___° AT ___'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE NO.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
0-2.0	0-0.61	CASING										
2.0-13.0	0.61-3.96	GRANITE PPY Fresh granite comprised of 30% k-spar (as pheno) less than 4cm), 35-40% plagioclase, 10-15% mafics (chl'd) and 15 - 20% qtz. Fractures how chl ± clays.										
13.0-16.7	3.96-5.09	ALTERATION, SULFIDE ZONE Zone of strong chlorite also marked by strong silicification. Original textures partially preserved. Fractures show intense chl ± clays. The sulfides are over the last 0.2', 1% Gl, traces Sp.	54105	13.0	16.7	3.96	5.07	3.7	1.13	.23	69	.20
16.7-17.9	5.09-5.46	ALTERATION, SULFIDE ZONE Zone of strong epidote, alsomarked by ubiquitous quartz. Fractures epidote ± clays. 5% Gl, 1% Sp.	54106	16.7	17.9	5.09	5.46	1.2	0.37	20.8	320	.81
17.9-31.6	5.46-9.63	ALTERED GRANITE Zone of strong chloritic, epidotic alt. Entire zone shows intense silicification, and sub parallel to core fractures, which show strong chlorite ± clays ± epidote. TRACES GL AND SP	54107	17.9	22.0	5.46	6.71	3.0	0.91	.06	.16	.03
			54108	22.0	27.0	6.71	8.23	5.0	1.52	.00	.08	.02
			54109	27.0	31.6	8.23	9.63	4.6	1.40	.00	.04	.02
~~Bf~~ 31.6-37.4	9.63-11.40	ALTERED GRANITE Zone of strong chl, epi, alt. in whih secondary k-feldspar appears, and remains fairly fresh. Fractures show chlorite ± epidote ± clays. There is a small 0.2' aplite stringers 37.2 - 37.4'/ TRACES GL.	54110	31.6	37.4	9.63	11.40	5.8	1.77	.00	.02	.01
37.4-39.8	11.40-12.13	ALTERATION BRECCIA ZONE Zone of strong, chlorite, epidote alt. andmoderate breciation. Quartz is fractured and feldspar are extremely broken up. The last 0.4' show qtz filling. Traces. Gl.	54111	37.4	39.8	11.40	12.13	2.4	0.73	.06	.19	.02

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
39.8-44.6	12.13-13.59	ALTERED GRANITE Zone of strong chlorite, epidote, with only partial pink color in the k-feldspar. Minor brecciated zones within the unite. Fractures show strong chlorite ± clays ± epidote.	54112	39.8	44.6	12.13	13.59	4.8	1.46	.00	.07	.03
44.6-45.7	13.59-13.93	ALTERED GRANITE Zone of strong chloritic alt. with the k-spar partially to completely altered. Zone seems to be brecciated and gouged in places. The zone also shows weak epidote.	54113	44.6	45.7	13.59	13.93	1.1	0.34	.12	.08	.02
45.7-48.7	13.93-14.84	ALTERED GRANITE Zone of moderate chloritic, weakepidotic alt. Also marked by moderate silicification. K-spar is partially pink and shows both epidote and chlorite Fractures show strong chlorite & clays.	54114	45.7	48.7	13.93	14.84	3.0	0.91	.00	.01	.00
48.7-49.8	14.84-15.18	PEGMATITIE DYKE at 70° to core. Dyke shows weak epidote.										
49.8-53.0	15.18-16.15	ALTERED GRANITE Zone of moderate chloritic, weak epidote mineralization. Also marked by moderate silicification Fractures show strong chlorite.	54115	49.8	53.0	15.18	16.15	3.3	0.98	.06	.12	.02
53.0-54.0	16.15-16.46	ALTERATION, BRECCIA, SHEAR ZONE Zone is marked by strong chlorite, moderate ep. K-spars only partially pink. Fractures show chl ± epidote ± clays. Gouge at 53.7'/	54116	53.0	54.0	16.15	16.46	1.0	0.30	.00	.01	.00
54.0-55.2	16.46-16.82	PEGMATITIE DYKE at 75° to core. Dyke shows weak epidote.										
55.2-55.6	16.82-16.95	ALTERED GRANITE Zone of moderate chlorite, weak epidoe alt. as 49.8 - 53.0										
55.6-61.8	16.95-18.84	ALTEREATION, BRECCIA, SULFIDE ZONE Zone of strong chl'c/epidotic alt. wih original textures destroyed. There are sporadic hematite stringsrs (less than 1mm) throughout the unit.	54117	55.6	61.8	16.95	18.84	6.2	1.89	.06	.12	.02

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
		Sporadic blobs of galena (1-5mm) less than 1%. Fractures show intense chlorite ± clays ± epidote.												
61.8-62.5	18.84-19.05	ALTERED GRANITE Zone of weak to mod. chl'c alt. mafics & plag. show chlorite. Plagioclase also shows kaolin. K-spar shows clays + chlorite along rims. Fractures show chlorite.												
62.5-63.6	19.05-19.39	ALTERATION, BRECCIA ZONE Zone of pervasive chl'c alt. Also showing weak to moderate epidote. Original textures are destroyed. Fractures show intense chloride ± clays	54118	62.5	63.6	19.05	19.39	1.1	0.34	06	.06	.05		
63.6-65.6	19.39-19.99	ALTERED GRANITE Zone of moderate chl'c, weakepidotic alt. as well as moderate silicification. The zone is marked by an increase to 90% of k-spar (almost pgmatitic) Fractures show strong chlorite.	54119	63.6	65.6	17.39	19.79	2.0	0.61	00	.01	.00		
65.6-70.3	19.99-21.43	ALTERATION, BRECCIA, GOUGE ZONE Zone of moderate to pervasive chl'c alt. 65.6-66.1, Gouge zone epidote + chlorite. 66.1-66.9, Moderate alt. (chlorite) 66.9-67.4, Gouge zone epidote + chlorite. 67.4-67.8, Moderate alt. (chlorite) 67.8-70.3, Pervasive chlorite/silicification Traces Gl?	45120	65.6	70.3	19.99	21.43	4.7	1.43	.00	.08	.10		
70.3-72.0	21.43-21.95	ALTERED GRANITE Zone of weak chloritic, argillic alt. Mafics are chloritized. Plagioclase shows kaolin. Fractures moderate to strong chlorite.												
72.0-80.0	21.95-24.38	GRANITE PPY Fresh Granite												
		E.O.H. 80.0'. 24.38m												

PROPERTY: Arlington
LOGGED BY: T. Henneberry
DATE LOGGED: June 12/81
DATE COLLARED: June 8/81
DATE COMPLETED: June 11/81

HOLE NO.: A-16
LOCATION: 15+50n
AZIMUTH: 305°
DIP AT COLLAR: -73°
DEPTH: 147'/44.81m

DIP TESTS
____° AT ____'
____° AT ____'
____° AT ____'

INTERVAL (FEET)	INTERVAL (METRES)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
0- 2.0	0- 0.61	CASING												
2.0- 18.5	0.61- 5.64	GRANITE PPY Fresh to weakly alt. granite comprised of 25 to 30% K-feldspar (predominantly as phenocrysts; less than 4cm), 10 - 15% mafics (chloritized), 35 - 40% plagioclase and 10 - 15% quartz. The mafics throughout the unit show complete alt. to chlorite. The plagioclase shows kaolinite and/or chlorite. The k-feldspar shows no alt. 50% of fractures show moderate to strong chlorite There is a zone of strong chloritic alt. at 3.5-3.8 ft. There is a shear, strng chloritic alt. zone at 10.5-11.0'. There is a pegmatite dyke from 9.5 - 10.0'/ (80° to core). The core is extremely broken up, with 3.5' missing over the first 19 feet.	A-095	3.5	3.8	1.07	1.16	0.3	0.09	.06	.00	.00		
			A-096	10.5	11.0	3.20	3.35	0.5	0.15	.00	.00	.00		
18.5- 36.8	5.64- 11.22	ALTERATION, VEIN ZONES 18.5-19.6, Alt. zone, strong chloritic alt., showing only partial preservation of the K-spar	A-097	18.5	19.6	5.64	5.97	1.1	0.34	.07	.07	.14		
		19.6 - 19.7, VEIN, 1cm vein at 90° to core 1-2% gl, 1-2% Sp.	A-098	19.6	19.7	5.97	6.00	0.1	0.03	1.75	2.20	4.04		
		19.7 - 20.9, ALTERATION ZONE, strong chlorite, also shows mod. epidote. Secondary carbonate(?) showing a pink color. No visible vein	A-099	19.7	20.9	6.00	6.37	1.2	0.37	.06	.13	.39		
		20.9 - 22.7, BRECCIATED, RESILICIFIED ZONE, no original texture, Ubiquilous qtz, strong chlorite mod. epidote. Trace gl & sp	A-100	20.9	22.7	6.37	6.92	1.8	0.55	00	.03	.03		
		22.7 - 23.7, ALTERATION ZONE, Pervasive chlorite ubiquilous qtz, brecciated, mod. epidote, weak carbonate, no visible minerals.	A-101	22.7	23.7	6.92	7.22	1.0	0.30	.06	.07	.09		
		23.7- 26.0, BRECCIATED, ALTERED ZONE, brecciated zone showing strong chlorite, ubiqul tons qtz. throughout. The granitic pieces show moderate	A-102	23.7	26.0	7.22	7.92	2.3	0.70	.06	.05	.43		

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
		epidote. 1% galena, 1% sp.										
		26.0 - 32.0, ALTERATION ZONE, zone of obiquitons chlorite. Numerous qtz, calcite stringers, mod. epidote. Traces of Gl, & sp.	A-103	26.0	32.0	7.92	9.75	6.0	1.83	.06	.16	.13
		32.0 - 36.8, ALTERATION ZONE, sim. to 26.0 -32.0	A-104	32.0	36.8	9.75	11.22	4.8	1.46	.00	.21	.25
36.8- 41.9	11.22- 12.77	GRANITE PPY Zone of weak chloritic alt. Mafics destroyed. Plag. shows alt. to clays/chlorite. 40% of fractures show chlorite and/or hematite.									"	
41.9- 42.2	12.77- 12.86	MAFIC DYKE at 90° to core. Shows weak chlotte.										
42.2- 57.5	12.86- 17.53	GRANITE PPY Zone of weak chloritic alt. Mafics are destroyed Plag. shows alt. to clays/chlorite. 80% of fractures show strong clays and chlorite.	A-105	49.5	57.5	15.09	17.53	8.0	2.44	.06	.01	.02
57.5- 60.6	17.53- 18.47	ALTERED GRANITE Zone of mod. to strong chloritic alt. marked by complete chloritization of mafics and plag. K-spar remains pink, but shows chlorite in fractures of crystals and along rims. The qtz also shows fracturing, probably due to shearing. There is a 0.1 ft. gouge zone at 59.7-59.8 ft. No visible mineralization.	A-106	57.5	60.6	17.53	18.47	3.1	0.94	.00	01	.02
60.6- 71.5	18.47- 21.79	GRANITE PPY Zone of weak chloritic and weak to moderate argillic alt. Mafics are chloritized, plag. shows chlorite and silicified clays. The k-spar is fairly fresh, showing only weak clays along fractures. Fractures show strong chlorite & clays. This unit shows abundant fracturing. There is 0.03 ft. gouge at 69.1 ft. The gouge has a 0.3' envelope of strng chloritic alteration.		60.6	71.5	18.47	21.79	10.9	3.32	.00	.01	.02

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET From	FEET To	METERS From	METERS To	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
71.5-72.6	21.79-22.13	FELSIC DYKE Fine grained at 80° to core. axis. The dyke is predominantly qtz. and k-feldspar with 2% mafics										
72.6-80.6	22.13-24.57	GRANITE PPY Zone of weak chloritic alt. and weak to mod. argillic alt. The mafics are chlorttized. Plagioclase shows weak chlorite, and weak to mod. clays (silicified.) K-spar shows clays along its fractures. Fractures show strong clays and chlorite There are numerous stringers at felsite within the unit.										
80.6-81.6	24.57-24.87	ALTERED GRANITE DYKE ZONE Zone of strong chloritic alt., with mafics and plagioclase completely chloritized. K-feldspar is only partially preserved. Fractures show strong chlorite and clays. Thelast 0.5' is a fine grained aplite dyke at 30° to core. The dyke shows clays along fractures.	A-108	80.6	81.6	24.57	24.87	1.0	0.30	.00	.02	.03
81.6-111.2	24.87-33.89	GRANITE PPY Zone of weak to mod. chloritic alt. and weak to mod. chloritic alt. Plag. shows weak to mod. chlorite and/or mod. kaolinite. Mafics are chloritized. K-spar shows clays along fractures. Fractures show strong clays and chlorite ± hematite. This zone also carries numberous stringers of felsite. There is a 0.05' gouge at 94.4'. There is a paragneiss stringer at 97.3-97.4'/ The chlorite alt. becomes stronger towards the bottom of the unit.	A-109	94.0	95.0	28.65	28.96	1.0	0.30	.06	.00	.01
111.2-112.5	33.89-34.29	ALTERED GRANITE Zone of strong chl. alt. with only the k-spar remaining par. fresh. The original texture is partially preserved. There is a 0.2' gouge at 112.2'. No visible mineralization.	A-110	111.2	111.2	33.89	34.29	1.3	0.40	.00	.01	.03

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
112.5-115.3	34.29-35.14	ALTERED GRANITE Zone marked by complete chloritization of plagioclase & mafics, & an increase to 60% of k-spar Chlorite is also found along fractures. There is a small horizon of intense chlorite from 113.8 - 113.9 feet.	A-111	112.5	115.3	34.29	35.14	2.8	0.85	.00	.01	.01
115.3-115.8	35.14-35.30	ALTERED GRANITE Zone of strong chlorite with only the k-spar partially preserved. Original texture is only partially preserved.	A-112	115.3	115.8	35.14	35.30	0.5	0.15	.06	.01	.02
115.8-135.0	35.30-41.15	GRANITE PPY Marked by weak chloritic alt., and partial to complete kaolinization of the plgioclase. The k-spar is fresh. Fractures show moderate chlorite and/or clays. This unit is cut by numerous pegmatitic dykes. These dykes carry disseminated chalcopyrite.	A-113	119.8	120.1	36.52	36.61	0.3	0.09	.06	.00	.01
			A-114	122.7	123.5	37.40	37.64	0.8	0.24	.00	.01	.01
			A-115	127.0	127.8	38.71	38.95	0.8	0.24	.06	.01	.01
135.0-141.7	41.15-43.19	GRANITE PPY Fresh to weakly chloritically/argillically alt. granite, with mafics showing complete alt. and 20% of plag. showing partial alt. There is a pegmatitic dyke at 138.5-139.1 ft. showing disseminated chalcopyrite. The last 2.5' of the unit shws a marked increase of plag. alteration (kaolinite) to 90%.	A-116	138.5	139.1	42.21	42.40	0.6	0.18	.06	.01	.02
141.7-142.3	43.19-43.37	ALTERED GRANITE Zone of increased mafics (to 40%) which show complete chloritization. Theplagioclase also shows chloritization; as well as some kaolinization. No visible mineralization.	A-117	141.7	142.3	43.19	43.37	0.6	0.18	.06	.00	.05
142.3-147.0	43.37-44.81	GRANITE PPY Zone of fresh to weakly altered granfe. The mafics show complete chloritization. Plag shows chlorite and/or kaolinite (20%) with most remaining fresh. 30% of fractures shw chlorite and/or hematite. 147.0/ 44.81m E.O.H.										

PROPERTY: Arlington
LOGGED BY: H. Keyser
DATE LOGGED: June 16/81
DATE COLLARED: June 12/81
DATE COMPLETED: June 17/81

HOLE NO.: A-17
LOCATION: 15+50N
AZIMUTH: 305°
DIP AT COLLAR: -63°
DEPTH: 123ft/37.49m

DIP TESTS
____° AT ____'
____° AT ____'
____° AT ____'

INTERVAL (FEET)	INTERVAL (METRES)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METRES	Ag	Pb	Zn
0-2.0	0-0.61	CASING										
2.0-15.4	0.61-4.69	GRANITE PPY Zone of weak to mod. alt. The mafics show complete chloritization. The plagioclase shows the effect of chlorite & kaolinization, sericite (?) The k-spar shows weak gray alt. at the rims and infractures of the crystals. 40% of fractures show moderate to strong chlorite +/- hematite. The granite is compossed of 30-35% k-feldspar. The granite (predominantly as phenocrysts; less than 4 cm) 35-40% plagioclase, 15-20% quartz, 10-15% mafics. There is a 1' wash between 3 and 4 feet.										
15.4-16.9	4.69-5.15	ALTERATION ZONE Zone of moderate chloritic alt. Mafics are destroyed, as is most of the plagioclase. The plag. shows epidote, chlorite and clays. k-feldspar shows moderate grey alt. The alt. becomes more intense toward the bottom of the unit as the original texture becomes partially destroyed.	54316	15.4	16.9	4.69	5.15	1.5	0.46	.12	.04	.09
16.9-22.7	5.15-6.92	QUARTZ, SULFIDE ZONE Zone of ubiquitous qtz as breccia and fracture fillings as well as veins. There is also minor carbonate. Visible Gl, Sp up to 20%.	54317	16.9	22.7	5.15	6.92	5.8	1.77	.12	.13	1.15
22.7-24.2	6.92-7.38	ALTERED PEGMATITE Strongly epidotized & chloritized pegmatite, with small post, alt. quartz stringers.	54318	22.7	24.2	6.92	7.38	1.5	0.46	3.55	.27	.15
24.2-24.7	7.38-7.53	ALTERED GRANITE Intense pervasive chloritization and epidotization of granite ppy. Original texture destroyed.	54319	24.2	24.7	7.38	7.53	0.5	0.15	.06	.15	.09

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
24.7-30.2	7.53-9.20	SILICEOUS BRECCIA Brecciated, and alt. granite. Mainly epidote, some chlorite sericite. Original textures destroyed.	54320	24.7	30.2	7.53	9.20	5.5	1.68	.15	.12	.11
30.2-31.6	9.20-9.63	ALTERATION/SHEAR/GOUGE ZONE Section of intensely epidotized and chloritized granite ppy., with evidence of shearing and gouging. Most original textures destroyed.	54321	30.2	31.6	9.20	9.63	1.4	0.43	.12	.19	.18
31.6-34.1	9.63-10.39	ALTERED GRANITE Moderately alt. granite ppy, showing chloritization, epidotization, and kaolinization. K-spars only slightly alt. at margins only. Original textures preserved. CI= 15.	54322	31.6	34.1	9.63	10.39	2.5	0.76	.00	.00	.02
34.1-39.9	10.39-12.16	GRANITE PPY Zone of weak chloritic alt. Both plag. and k-spars are silicified; with original textures preserved. CI= 15.										
39.9-41.2	12.16-12.56	PEGMATITE DYKE Weakly alt. synchronous pegmatite. 65% k-spars, 30% qtz. 5% mafics.										
41.2-44.2	12.56-13.47	ALTERED GRANITE Zone of weak to mod. alt. complete chl'm of mafics is main evidence of alt, however some plagioclase shows epidotization, also some clays present in fractures. CI=15										
44.7-51.7	13.47-15.76	ALTERED GRANITE Mod. to strong alt. of granite ppy. Mafics are completely chl'd, k-spars are locally alt. and sheared. Epidote occurs in plag, as do clays. Lots of broken core, including 1' of wash at 46.1 - 47.1 CI= 20. Original textures preserved.	54323	44.7	51.7	13.62	15.76	7.0	2.13	.06	.00	.01
51.7-53.1	15.76-16.18	ALTERED PEGMATITIC GRANITE Mod. to strong alt. of k-spar rich granite. Fault gouge at 52.1'. Complete chl'n of mafics, ep. occurs in plag. K-spars remain only slightly pink, but some original textures preserved. CI= 5	54324	51.7	53.1	15.76	16.18	1.4	0.427	.06	.00	.00

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
53.1- 54.2	16.18- 16.52	ALTERED GRANITE Mod. to strong alt. of granite ppy. Chl'd mafics, ep'd plag. some k-spars are alt. as well. Lots of clay present in fractures. CI= 25.	54325	53.1	54.2	16.18	16.52	1.1	0.34	.06	.00	.00		
54.2- 56.8	16.52- 17.31	ALTERED GRANITE Weak to mod. alt. (chl. greater than ep) of granite ppy. Chl. in mafics ep. in plag. Euhedral, qtz, k-spar. Original textures preserved.												
56.8- 57.0	17.319 17.37	ULTRAMAFIC INCLUSION 98% U/M Minerals , 2% quartz	54276	56.8	57.0	17.31	17.37	0.2	0.06	.00	00	.01		
57.0- 58.0	17.37- 17.68	ALTERED GRANITE Weak to mod. alt. of granite ppy, as at 54.2 - 56.8												
58.0- 58.9	17.68- 17.95	ALTERED GRANITE Strong chl. alt. of granite ppy. K-spars have lost most of their original color, although are still somewhat euhedral Original textures partially preserved, hematite & clays present in fractures. CI= 25.		58.0	58.9	17.68	17.95	.09	0.27	.00	.00	.01		
58.9- 61.1	17.95- 18.62	ALTERED GRANITE Weak to mod. alt. of granite ppy. Mafics strongly chl'd som e ep'd in plag. K-feldspar are generally euhedral, & exhibit most of original color.												
61.1- 62.3	18.82- 18.99	ALTERED GRANITE Strongly alt. granite ppy. Mafics chl'd, epidote & clays (probably kl) present in all other minerals except qtz. K-spars are euhedral, but have lost some of their pinkness "Sandy" fault gouge present in minor fractures. CI= 20.	54278	61.1	62.3	18.62	18.99	1.2	0.32	.00	.00	.02		
62.3- 66.2	18.99- 20.18	ALTERED GRANITE Mod. alt. granite ppy. Mafics are chl'd, some plagio clase is locally ep'd. K-spars remain pink and euhedral, original textures preserved. CI= 20.	54279	62.3	66.2	18.99	20.18	3.9	1.19	.00	.00	.00		
66.2- 67.1	20.18- 20.45	ALTERED GRANITE Mod. to strong alt. of granite ppy. K-spars have lost some color & crystal symmetry. Plag. is ep'd. Broken core, clays present on fractures.	54280	66.2	67.1	20.18	20.45	0.9	0.27	.06	.00	.00		

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
67.1- 70.2	20.45- 21.40	PEGMATITIC GRANITE Weakly alt. pegmatite. Mafics are chl'd, some k-spars have locally lost some color. Also some epidote present 85% k-wpar, 5% each of plag, qtz, mafics.												
70.2- 71.7	21.40- 21.85	ALTERED GRANITE Weakly alt. granite ppy, main alt. is chl'n of mafics some ep. present in plag. as well. K-spars perfectly euhedral, original textures preserved. CI= 15.	54281	70.2	71.7	21.4	21.85	1.5	0.46	.00	.00	.00		
71.7- 81.7	21.85- 24.90	ALTERED GRANITE Moderately alt. granite ppy. Mafics chl'd, plag exhibite argillic alt. K-spars are somewhat sheared, and locally have lost some color. Qtz and/or clay filled fractures Original textures preserved. CI= 15.	54282	71.7 76.7	76.7 81.7	21.85 23.38	23.38 24.90	5.0 5.0	1.53 1.53	.00 .00	.00 .00	.00 .00		
81.7- 87.4	24.90- 26.64	ALTERED GRANITE Strongly alt. k-spar rich granite ppy. Crystal margins of k-spars are well altered, and some are sheared. Only qtz. remains unaltered, but are sheared and rounded. Original textures partly preserved. CI= 10.	54284	81.7	87.4	24.90	26.64	5.7	1.74	.00	.01	.00		
87.4- 88.9	26.64- 27.10	PEGMATITIC GRANITE 95% k-spar, 3% plag and qtz, 2% mafics. K-spars have lost some color, and show some fractures and a little shearing.												
88.9- 95.6	27.10- 29.14	ALTERED GRANITE Strongly alt. granite ppy. Broken core. Alt. are chl'c epidotic, and argillic, and may locally be pervasive. Only a few k-spars are recognizable, qtz. grains are rounded. Original textures mostly destroyed.	54285	88.9	95.6	27.10	29.14	6.7	2.04	.00	.00	.00		
95.6- 97.6	29.14- 29.75	ALTERED GRANITE Mod. alt. of granite ppy. Mafics are chl'd, plag. ep'd K-spars are anhedral, & somewhat alt. CI= 25.	54286	95.6	97.6	29.14	29.75	2.0	0.61	.00	.00	.00		
97.6- 100.2	29.75- 30.54	ALTERED DIORITE Chl'c alt. of diorite. Ep'd. plag, original qtz. K-spar stringer at 98.2 at 65 to c.a. Numerous small discordant ultramafic dikes or inclusions from 98.5 to 99.8 CI= 40.	54287	97.6	100.2	29.75	30.54	2.6	0.79	.06	.00	.01		

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
100.2- 101.2	30.54- 30.85	PEGMATITIC GRANITE Weakly alt. and sheared synchronous pegmatite. 80% k-spar 10% qtz, 5% plag, 5% mafics.												
101.2- 113.9	30.85- 34.72	ALTERED GRANITE Mod. alt. granite ppy. Chl'd mafics ep'd plag. Euhedral, fresh k-spars and qtz. Hematite filled fractures CI= 15.												
113.9- 114.2	34.72- 34.81	ALTERATION/SHEAR ZONE Intensely alt. sheared granite	54288	113.9	114.2	34.72	34.81	0.3	0.09	.12	.03	.08		
114.2- 120.2	34.81- 36.64	ALTERED GRANITE Mod. altered granite ppy, as at 101.2 - 113.9												
120.2- 120.7	36.64- 36.79	ALTERED DIORITE Chloritized diorite, slightly mylonitic. CI= 40.	54289	120.2	120.7	36.64	36.79	0.5	0.15					
120.70 121.3	36.79- 36.97	ALTERED GRANITE As at 101.2 - 113.9; moderate alterations.												
121.3 - 122.2	36.97- 37.25	ALTERED DIORITE As at 120.2 - 120.7	54290	121.3	122.2	36.97	37.25	0.9	0.27					
122.2- 123.0	37.25- 37.49	ALTERED GRANITE Weakly alt. granite ppy. Mafics chl'd, k-spars boundaries somewhat gradation al, original qtz, plag. textures. Very little epidote. 123.0 = E.O.H.												

SVEINSON WAY MINERAL SERVICES LTD. DIAMOND DRILL LOG PAGE 1

PROPERTY Arlington
LOGGED BY T. Henneberry
DATE LOGGED June 22/81
DATE COLLARED June 17/81
DATE COMPLETED June 18/81

HOLE NO. A-18
LOCATION 15+50N
AZIMUTH 305°
DIP AT COLLAR -49°
DEPTH 108'/32.77m

DIP TESTS
___° AT ___'
___° AT ___'
___° AT ___'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE NO.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
0-2.0-	0-0.61	CASING												
2.0-5.4	0.61-1.65	GRANITE PPY Predominantly fresh granite, comprised of 35-40% plag., 10 - 15%mafics, 20% qtz and 30% k-spar.(predominantly as phenocrysts; less than 4cm). 20% of plagioclase shows slight chloritic kaolinitic alt. The core in this unit is well broken up.												
5.4-13.4	1.65-4.08	ALTERED GRANITE Zone of weak chl'c alt., with plag. showing akolinite and chl', mafics show chl. K-spar is fairly fresh but shows clays along crystal fractures and rims. Fractures show chlorite clays ± hematite. Pegmatite dyke at 50° to core 9.9 - 10.1'. Aplite dyke at 80° to core at 11.2-11.5'												
13.4-14.8	4.08-4.51	SILICIFIED GRANITE Zone of weak to mod. chl'c alt. with the kθspar partially alt. to clay. Fractures show intense chlorite ± clays.	54351	13.4	14.8	4.08	4.51	1.4	0.43	.00	.00	.00		
14.8-16.1	4.51-4.91	ALTERATION ZONE Zone of strong chl'c epidotic alt. k-spar is only slightly pink. Plag. and mafics to chl & ep. Zon e is silicified. Traces GL	54352	14.8	16.1	4.51	4.91	1.3	0.40	.00	.03	.01		
16.1-17.9	4.91-5.46	SILICEOUS SULFIDE ZONE Zone of ubiquitous qtz. Strong chl'c ep'c alt. Sporadic MgCO3. Sporadic gl and sp. 1% total sulfides. Possibly a vein zone.	54353	16.1	17.9	4.91	5.46	1.8	0.55	.06	.12	.78		
17.9-20.9	5.46-6.37	ALTERED GRANITE Zone of intense chl, ep. Original texture only partially preserved. Sporadic gl & sp. 1-2% total sulfides Dissem-in ated in zones throughout unit.	54354	17.9	20.9	5.46	6.37	3.0	0.91	.00	.44	.17		

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
20.9-24.1	6.37-7.35	ALTERED GRANITE Zone of intense epidotic alt. Also strong chlorite. Numerous unmineralized qtz stringers. Traces gl & sp., both diss and fractures.	54355	20.9	24.1	6.37	7.35	3.2	0.98	oo	.10	.10		
24.1-26.0	7.35-7.92	ALTERED GRANITE Zone of intense chlorite, epidote. Original texture only partially preserved. Traces gl. both diss & fractures.	54356	24.1	26.0	7.35	7.92	1.9	0.58	oo	.12	.08		
26.0-29.8	7.92-9.08	ALTERED GRANITE Zone of intense epidotic alt. Also strong chlorite. Numberous unmineralized qtz stringers. Traces gl both diss and fractures.	54357	26.0	29.8	7.92	9.08	3.8	1.16	.00	.14	.17		
29.8-38.0	9.08-11.58	ALTERED GRANITE Zone of weak to mod chl'c alt. Plag partially to completely kaolinized/chloritized. Mafics chl'd k-spar shows weak clays. 40% of fractures show chl & clays.												
38.0-41.2	11.58-12.56	ALTERATION SULFIDE ZONE Zone of intense chl, strong ep, with only partial texture preserved. Zone carries 1-2% gl, 1% sp, Fractures chl ± hematite and clays.	54358	38.0	41.2	11.58	12.56	3.2	0.98	.52	.99	1.50		
41.2-42.6	12.56-12.98	ALTERED GRANITE Zone of intense epidotic alt. Strong ~~XX~~ chl. alt. Original texture partially preserved. Traces gl & sp.	54359	41.2	42.6	12.56	12.98	1.4	0.43	.12	.41	.56		
42.6-49.7	12.98-15.15	ALTERED GRANITE Zone of moderate to weak chl'c alt. Plagioclase chl/kaolinite) mafics chlorite, K-spar. Slightly alt (clays) Strong to intense chlorite along fractures also hematite or clays. 47.9 - 0.05' gouge.												
49.7-57.0	15.15-17.37	ALTERED GRANITE Zone of weak chl'c alt. Plag. shows kaolinite & chlorite. Mafic chl. K-spar shows clays in crystal fractures & rims. Fractures chl ± clays ± hematite. Increase in fracture clays with depth.												
57.0-59.9	17.37 18.26	ALTERED GRANITE Zone of weak chl'c, weak argillic alt. Plag. shows a marked increase in clays over the above unit clays. Fractures all carry intense clays. Plagioclase also	54360	57.0	59.9	17.37	18.26	2.9	0.88	oo	.00	.00		

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET From	FEET To	METERS From	METERS To	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
		shows chlorite & kaolonite												
59.9-61.6	18.26-18.78	ALTERED GRANITE Zone of weak chloritic alt. as 49.7 - 57.0												
61.6-62.4	18.78-19.02	ALTERED GRANITE Zone of weak chloritic weak argillic alt. As 57.0 - 59.9												
62.4-66,8	19.02-20.36	ALTERED GRANITE Zone of weak chl'c alt. Plag. shows kaolonite & chl & minor clays. K-spar also shows strong clays along crystal fractures and rims. Fractures show chlorite ± clays ± hematite.												
66.8-68.6	20.36-20.91	APLITE DYKE at 85° to core. Dyke shows strong clays and mod. chlorite.												
68.6-81.5	20.91-24.84	ALTERED GRANITE Zone of weak chl'c, argillic alt. plag. & k-spar show clays. Plag. and mafics show chlorite & plag also shows some kaolin. Fractures show intense clays & chlorite ± hematite. 69.8-70.1' pegmatite at 80° to core.												
81 .5-84.9	24.84-25.88	ALTERED GRANITE Zone of mod chl'c alt. & moderate argillic alt. Plag show chl & clays & kaolin. k-spar shows clays. Chlorite seems to be alight stain over entire unite. Fractures clay & chlorite.	54361	81.5	84.9	24.84	25.88	3.3	1.01	.00	.00	.00		
84.9-85.8	25.88-26.15	ALTERED GRANITE Zone of strong chl'c alt., with k-spar only partially visible. Visible kaolinite in some plag. Fractures show intense chlorite. Gouge at 84.9 to 85.1'.	54362	84.9	85.8	25.88	26.15	0.9	0.27	.00	.00	.03		
85.8-88.5	26.15-26.97	ALTERED GRANITE Zone of weak chlorite. argillic alt. Plag fresh to weak Kaolinite. K-spar weak clays. Mafics chlorite. Fractures chlorite & clays. 87.2 - 88.2' zone of 90% k-feldspar.												
88.5-93.5	26.97-28.50	GRANITE PPY Predominantly fresh granite with mafic inclusion at 93.0-93.2 & 93.4 -93.6'												

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
93.5- 94.2	28.50- 28.71	MAFIC DYKE at 70° to core weak chlorite.										
94.2- 95.8	28.71- 29.20	GRANITE PPY Predominantly fresh granite, with 20% of plag. showing weak kaolinite.										
95.8- 96.4	29.20- 29.38	PEGMATITE DYKE at 30° to core. Weak chlorite.										
96.4- 105.5	29.38- 32.16	GRANITE PPY Predominantly fresh granite, with 20% of plag. showing weak kaolinite. Fractures show chlorite ± clays hematite										
105.5- 106.0	32.16- 32.31	ALTERED GRANITE Zone of moderate chloritic alt., with k-spar remaining relatively fresh	54363	107.5	108.0	32.77	32.92	0.5	0.15	.00	02	.00
106.0 108.0	32.31- 32.92	GRANITE PPY Predominantly fresh granite.										
		108.0'/ 32.92m E.O.H.										

PROPERTY: Arlington
LOGGED BY: H. Keyser
DATE LOGGED: June 25, 1981
DATE COLLARED: June 19/81
DATE COMPLETED: June 24/81
Split: June 29/81

HOLE NO.: A-19
LOCATION: 15450N
AZIMUTH: 303.2°
DIP AT COLLAR: -36.0°
DEPTH: 95.8 feet/29.20m

DIP TESTS
___° AT ___'
___° AT ___'
___° AT ___'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
0- 2.0	0- 0.60	CASING										
2.0- 5.1	0.60- 1.55	ALTERED GRANITE Moderately alt. granite ppy, strong chl'n of mafics, considerable ep'n of plag. K-spars somewhat alt., but remain euhedral. Original texture preserved. CI= 15. Broken core with 1 ft. of wash at 2.4 - 3.4	54051	2.0	5.1	0.60	1.55	3.1	0.94	.00	.01	.00
5.1- 10.1	1.55- 3.08	ALTERED PEGMATITIC GRANITE Zone of moderately ep'd and chl'd synchronous pegmatite. Pegmatite. Shearing, as evidenced by fractures, present throughout. 60% k-spar, 30% qtz, 5% each mafics & plag.										
10.1- 12.9	3.08- 3.93	ALTERED GRANITE Weakly to mod. alt. granite ppy. Chl'd mafics, some ep'd plagioclase. K-spars only slightly alt., remain enhedral. Original textures preserved. CI= 15.	54052	10.1	12.9	3.04	3.93	2.8	0.85	.00	.00	.00
12.9- 13.6	3.93- 4.14	QUARTZ SULFIDE ZONE Brecciated altered (chlorite & epidote) qtz with visible Gl & Sp, up to 50% mineralization. Mineralization appears to occur both in qtz, filled fractures and in random clusters.	54053	12.9	13.6	3.93	4.14	0.7	0.21	.58	1.80	6.50
13.6- 28.4	4.14- 8.66	QUARTZ SULFIDE ZONE Essentially equivalent to 12.9 - 13.6, except that mineralization (Gl and Sp) occurs in amounts up to 2% only.	54054 54055 54056	13.6 18.5 23.4	18.5 23.4 28.4	4.14 5.64 7.13	5.64 7.13 8.66	4.9 4.9 5.0	1.49 1.49 1.52	.06 .00 .70	.14 .11 .12	.00 .13 .18
28.4- 32.9	8.66- 10.03	ALTERED GRANITE Mod. alt. of granite ppy. Strongly chl'd mafics, moderately ep'd plag. K-spars have lost some color but remain euhedral. Clays present in fractures. CI= 15. Original textures preserved.	54057	28.4	32.9	8.66	10.03	4.5	1.37	.00	.00	.00

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
32.9-35.0	10.03-10.67	SILICEOUS BRECCIA Strongly alt. (ep'n and chl'n) and somewhat brecciated & fractured granitic material. Only qtz grains remain recognizable and these are rounded. Original textures destroyed. A little visible Gl and Sp present in fractures.	54058	32.9	35.0	10.03	10.67	2.1	0.64	12	.13	.22
35.0-36.8	10.67-11.22	QUARTZ SULFIDE ZONE Brecciated & alt. (ep & chl) felsic minerals (mainly qtz) with visible Gl & Sp, in amounts up to 5%. Bulk of mineralization (particularly Gl) occurs as fracture fillings. Remainder occurs in clusters up to 4mm in diameter.	54059	35.0	36.8	10.67	11.22	1.8	0.55	.12	.46	.18
36.8-39.9	11.22-12.16	ALTERED GRANITE Somewhat brecciated zone of granite showing intensive alt. to epidote & chlorite. Somewhat similar to 32.9 - 35.0 except that shearing is not as pronounced. Most original textures destroyed, only rounded qtz grains remain. Some clays present.	54060	36.8	39.9	11.22	12.16	3.1	0.95	35	.05	.14
39.9-43.7	12.16-13.32	ALTERED PEGMATITIC GRANITE Strong to intense alt. of what appear to pegmatitic granite Locally sheared & brecciated. Chl. occurs mainly along fractures. K-spars are well altered to an overall greyish color. Original textures destroyed.	54061	39.9	43.7	12.16	13.12	3.8	1.16	.06	.01	.00
43.7-45.5	13.32-13.87	ALTERATION/SHEAR/GOUGE ZONE Intensely alt. granite ppy. K-spars & textures destroyed. Small (4mm) fault gouge at 44.0 '; 10° to core a. Chl'd groundmass, Clays present in fractures.	54062	43.7	45.5	13.32	13.87	1.8	0.55	.23	.04	.10
45.5-61.0	13.87-18.59	ALTERED GRANITE Mod. alt. of granite ppy. Chl'd mafics, ep'd and Kaolinized plag. K-spars retain most of original color, although somewhat sheared. May locally be slightly mylonitic Original textures preserved. CI= 15.										
61.0-61.4	18.59-18.71	PEGMATITIC GRANITE Weakly alt. & sheared pegmatite with gradational boundaries in enclosing granites.										
61.4-63.0	18.71-19.20	ALTERED GRANITE Mod. alt. granite ppy. Chl'd mafics; ep'd and kao'd plag. K-spars are slightly sheared & have lost a little color. Original textures preserved. CI= 15.										

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
63.0-63.7	19.20-19.41	PEGMATITIC GRANITE as at 61.0 - 61.4										
63.7-64.2	19.41-19.57	ALTERED GRANITE Moderate alt. of granite ppy, as at 61.4 - 63.0										
64.2-64.6	19.57-19.69	PEGMATITIC GRANITE As at 61.0 - 61.4										
64.6-65.6	19.69-19.99	ALTERED GRANITE Mod. alt. granite ppy. Chl'd mafics, ep'd and Kao'd plag. k-spars remain euhedral, but have lost some color & are slightly sheared. Original textures preserved. CI= 15.										
65.6-65.9	19.99-20.08	PEGMATITIC GRANITE Weakly alt. and sheared pegmatitie, with gradational boundaries in enclosing granite, indicative of synchronous material.										
65.9-69.9	20.08-21.30	ALTERED GRANITE Mod. alt. granite with numerous large k-spar phenocrysts. Mafics are chl'd, plag is ep'd. Some clays present as well.										
69.9-71.8	21.30-21.88	ALTERED GRANITE Essentially similar to 65.9 - 69.9 except that clays are much more promin ent in plagioclase crystals. Original textures preserved as well, but phenocrysts are smaller to	54063	69.9	71.8	21.30	21.88	1.9	0.58	.00	.00	00
71.8-75.7	21.88-23.07	ALTERATION, SHEAR, GOUGE ZONE Strongly alt. granite ppy with evidence of abundant shearing and some local gouging. Most original textures destroyed.	54064	71.8	75.7	21.88	23.07	41.	1.25	.00	.00	.00
75.7-76.6	23207-23.35	ALTERED GRANITE Strongly alt, somewhat sheared granite ppy. Strongly chl'd & ep'd groundmass, only qtz and k-spar fragments remain recognizable.	54065	75.7	76.6	23.07	23.35	0.9	0.27	.06	.01	.00
76.6-93.9	23.35-28.62	ALTERED GRANITE Weakly alt. granite ppy. Mafics are chl'd plag weakly ep'd K-spars are euhedral, and generally retain most of original color. Plag. crystals are locally strongly kaolinized at 78.5- 79.7, 85.7- 86.5, and 87.6 -88.0. Here, k-spars have lost significantly more color, but retain euhedralness.	54066	87.6	88.9	26.70	27.10	1.5	0.46	.06	.00	.00

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
		At 88.6 - 88.9, occurs a strongly alt. mylonitic zone, with direction of shear 90° to c.a. CI of mylonite =60, Ci of remainder of zone = 15										
93.9-95.1	28.62-28.99	ALTERED APLITE Strongly alt. aplite. Contact with 76.6-93.9 is sharp but occurs at 10° to c.a. Contact at 95.1 in graditional. K-spar are alt. to an overall greyish color, bulk of remainder of zone is qtz. CI less than 5.	54067	93.9	95.1	28.62	28.99	1.2'	0.36	.00	.01	.00
95.1-95.8	28.98-29.20	ALTERED GRANITE Strongly alt. granite ppy. Chl'd, ep'd and k'd groundmass. k-spars are subhedral and have lost a lot of color. Original textures destroyed. * This section of core (95.1 - 95.8) no longer present July 1, 1981 H. Keyser										
		E.O.H. at 95.8'										

PROPERTY Arlington
LOGGED BY H. Keyser
DATE LOGGED July 20, 1981
DATE COLLARED July 14/81
DATE COMPLETED July 16/81

HOLE NO. A-20
LOCATION 1545N
AZIMUTH 302.43°
DIP AT COLLAR -38.5°
DEPTH 57.8'/17.37m

DIP TESTS
____° AT ____'
____° AT ____'
____° AT ____'

INTERVAL (FEET)	INTERVAL (METRES)	DESCRIPTION	SAMPLE NO.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
0- 2.0	0- 0.61	CASING										
2.0- 3.6	0.61- 1.10	ALTERED APLITE Aplite with ubriquitous epidote alt. Broken core some very minor chlorite present as banding.	53912	2.0	3.6	0.61	1.10	1.6	0.49	.00	.03	.03
3.6- 7.5	1.10- 2.29	ALTERED GRANITE Intensely alt. granite ppy. All minerals but qtz show complete ep'n. Remnant qtz grains show ep'n at crystal margins. Some chlorite banding present Most original textures destroyed.	53913	3.6	7.5	1.10	2.29	3.9	1.19	.00	.03	.01
7.5- 10.8	2.29- 3.29	ALTERED GRANITE Strong alt. of granite ppy. Chl'n of mafics, ep'n and arg'n of plag. Some feldspars retain a little color. Most original textures preserved.	53914	7.5	10.8	2.29	3.20	3.3	1.01	.09	.00	.05
10.8- 13.7	3.29- 4.18	ALTERED APLITE Intensely ep'd aplite with small (less than 1cm) qtz stringers and chlorite bands.	58915	10.8	13.7	3.29	4.18	2.9	0.88	.09	.00	.05
13.7- 15.0	4.18- 4.57	QUARTZ SULFIDE ZONE Section of qtz fracture fillings. Groundmass is ep'd, some fractures show chlorite. About 4% Gl and Sp.	53916	13.7	15.0	4.18	4.57	1.3	0.40	15	.44	36
15.0- 35.3	4.57- 10.76	ALTERED GRANITE Strongly alt. granite ppy, showing chl'n of mafics and most plag. Non-chl'd plag is ep'd or arg'd. K-spars have lost most color and are fractured Quartz grains rounded. Chlorite and clays present on fractures. Most original textures preserved. Some broken core with 2' of wash at 30.6- 32.6.	53917 53918 53919	15.0 20.0 25.0 30.1	20.0 25.0 30.1 35.3	4.57 6.10 7.62 9.17	6.10 7.62 9.17 10.76	5.0 5.0 5.1 5.2	1.52 1.52 1.55 1.58	.00 .00 .00 .00	.02 .00 .00 .00	.01 .01 .01 .00
35.3- 36.9	10.76- 11.25	ALTERED GRANITE Intensely alt. granite ppy. Complete chl'n & ep'n of groundmass. Qtz grains fractured & rounded.	53921	35.3	36.9	10.76	11.25	1.3	0.40	.30	.02	.07

HOLE No. A-20 PAGE ____

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
		Clays present on fractures.										
36.9- 38.5	11.25- 11.73	ALTERED GRANITE Moderately alt. granite ppy. Chl'd mafics, ep'd and arg'd plag. K-spars retain most color. Hematite present on fractures.										
38.5- 39.3	11.73- 11.78	ALTERED GRANITE Strongly to intensely alt.granite ppy. Completely arg'd groundmass yields a conglomeratic texture Only qtz grains remain recognizable. Orginal textures destroyed.	53922	38.5	39.3	11.73	11.98	0.8	0.24	.00	.01	.00
39.3- 47.3	11.98- 14.42	ALTERED GRANITE Moderately alt. granite ppy. Main alt. are arg. in plag. Chl'd mafics. Hematite and alcite filled fractures. K-spars retain most color. Original textures preserved.										
47.3- 49.6	14.42- 15.12	ALTERED GRANITE Weakly alt. granite ppy. Secondary enrichment of k-spars. Chl'd mafics, arg'd plag. Most original textures preserved.										
49.6- 55.3	15.12- 16.86	ALTERED GRANITE Moderate argillic alt. of granite ppy. as at 39.3 - 47.3'.										
55.3- 57.0	16.86- 17.37	ALTERED GRANITE Weakly alt. granite ppy., displaying a weak mylonitic texture 80° to core axis. Chl'd. mafics, weakly arg'd on fresh plg, fractured k-spars. Elongated qtz grains. CI= 30.; may be dioritic in composition. E.O.H. at 57.0' or 17.37m.										

PROPERTY: Arlington
LOGGED BY: H. Keyser
DATE LOGGED: July 18, 1981
DATE COLLARED: July 14/81
DATE COMPLETED: July 14/81

HOLE NO.: A-21
LOCATION: 15+45 N
AZIMUTH: 300.63°
DIP AT COLLAR: +14.5°
DEPTH: 33'/10.06m

DIP TESTS
___° AT ___'
___° AT ___'
___° AT ___'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE NO.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
0.0–1.3	0–0.40	QUARTZ SULFIDE ZONE Zone of quartz fracture fillings with 7% combined Gl & Sp. Strongly altered groundmass, mostly epidote, some chlorite, especially in fractures. Broken core.	54007	0.0	1.3	0	0.40	1.3	0.40	.17	.20	.37
1.3–3.7	0.40–1.13	ALTERED GRANITE Intensely altered granite ppy. All minerals but quartz are epidotized and no longer recognizable. Quartz grains rounded. A little chlorite present in fractures. Original textures destroyed. Broken core.	54008	1.3	3.7	0.40	1.13	2.4	0.73	.06	.01	.00
3.7–13.5	1.13–4.11	ALTERED GRANITE Strong alterations of granite ppy. Chl'd and ep'd mafics, ep'd k-spar and plag. Quartz is unaltered but rounded. K-spars locally show some pink color. Some chlorite present in fractures. Some original textures preserved.										
13.5–15.4	4.11–4.69	ALTERED APLITE DIKE Strongly ep'd aplite with traces Gl.	54009	13.5	15.4	4.11	4.69	1.9	0.58	.06	.01	.02
15.4–33.0	4.69–10.06	ALTERED GRANITE Strong alterations of granite ppy, essentially similar to 3.7 – 13.5. Broken core, wash at 23.0 – 24.0, and 28.5 – 29.5. Broke into stope at 33.0 feet.	54010	15.4	21.3	4.69	6.49	5.9	1.80	06	.01	.03
			54011	21.3	27.2	6.49	8.29	5.9	1.80	.17	.01	.07
				22.2	33.0	8.29	10.06	5.8	1.77	.06	.01	.00
		E.O.H. at 33' or 10.06m										

SVEINSON WAY MINERAL SERVICES LTD. DIAMOND DRILL LOG PAGE 1

PROPERTY: Arlington
LOGGED BY: H. Keyser
DATE LOGGED: July 12/81
DATE COLLARED: July 7/81
DATE COMPLETED: July 10/81

HOLE No.: A-22
LOCATION: 15+45N
AZIMUTH: 258.93°
DIP AT COLLAR: -70.4°
DEPTH: 142.0' / 43.29m

DIP TESTS
___° AT ___'
___° AT ___'
___° AT ___'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
0- 2.0	0- 0.61	CASING										
2.0- 19.2	0.61- 5.85	GRANITE PPY Weakly altered. Main alt. is chl'n of mafics. Some local and weak ep'c and argillic alt. of plag. K-spars remain fresh and euhedral. Original textures preserved. CI= 15.										
19.2- 41.3	5.85- 12.59	QUARTZ SULFIDE ZONE Zone of ep'd and chl'd qtz fracture fillings. Continuous Gl and Sp, local Py, averaging about 2% combined over length. Locally 40% mineralization at 24.5 - 25.4, 29.1 - 29.6. 37.8 - 38.0, and 40.7 - 40.8. Some gl appears to be associated with gouges. Original textures destroyed.	50338	19.2	24.0	5.85	7.32	4.8	1.46	-	.07	.43
			50339	24.0	29.0	7.32	8.84	5.0	1.52	.06	.20	.98
			50340	29.0	34.0	8.84	10.36	5.0	1.52	.41	.35	1.89
			50341	34.0	38.0	10.36	11.58	4.0	1.22	.23	.60	.83
			50342	38.0	41.3	11.58	12.59	3.3	1.01	.29	.25	.19
41.3- 51.1	12.59- 15.58	ALTERED GRANITE Weakly alt. granite ppy. Chl'd mafics, ep'd and arg'd plag. K-spars are generally original, but are locally sheared. Original textures preserved CI -= 15.										
51.1- 52.4	15.58- 15.97	ALTERED GRANITE Strongly alt. granite ppy with groundmass completely chl'd. K-spars have lost a lot of color & exhibit gradational grain boundaries. Quartz grains are rounded. Most original textures preserved.	54121	51.1	52.4	15.58	15.97	1.3	0.40	.06	.01	.00
52.4- 53.0	15.97- 16.15	ALTERED GRANITE Weak alterations of granite ppy. Chl'd mafics, weakly ep'd and arg'd plag. Remaining minerals intact. Original textures preserved.										

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET From	FEET To	METERS From	METERS To	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
53.0- 53.6	16.15- 16.34	PEGMATITIC GRANITE Somewhat altered and sheared synchronous pegmatite.										
53.6- 55.2	16.34- 16.82	ALTERED GRANITE Essentially similar to 52.4-53.0, but argillic alterations more prominent.										
55.2- 58.3	16.82- 17.77	ALTERED GRANITE Strong alt. of granite ppy. Complete chl'n of groundmass. Most k-spars no longer recognizable. Rounded qtz grains. Someoriginal textures preserved. Clays on fractures.	54122	55.2	58.3	16.87	12.77	3.1	0.94	.00	.01	.01
58.3- 64.7	17.77- 19.72	ALTERED GRANITE Weakly alt. granite ppy. Mafics are chl'd. Argillic and epidotic alt. of plag. K-spars remain euhedral, although have lost some color and crystal boundaries are somewhat gradational. Clays along fractures. Original textues preserved CI= 15.										
64.7- 71.7	19.72- 21.85	ALTERED GRANITE Strongly alt. granite showing secondary k-spars. Most original textures destroyed. CI= 5.										
71.7- 74.2	21.85- 22.62	ALTERED GRANITE Moderate alt. of granite ppy showing chl'c alt. of mafics and intense argillic alt. of plag. K-spars remain somewhat pink, but show some fracturing and brecciation. Ep and clays present along fractures.										
74.2- 94.4	22.62- 28.77	ALTERED GRANITE Weak alt. of granite ppy, essentially similar to 58.3 - 64.7										
94.4- 95.6	28.77- 29.14	ALTERED PEGMATIC GRANITE Synchronous (or possibly secondary) pegmatite showing alt. to epidote and chlorite.										

INTERVAL - (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
95.6-119.6	29.14-36.45	ALTERED GRANITE Weak to mod. alterations ofgranite ppy. Chl'd mafics, with ep'd and arg'd plag. K-spars are generally original. Fractures show clays and hematite. Broken core, including 1' of wash from 111.5 to 112.5. Original textures preserved.										
119.6-121.0	36.45-36.88	ALTERATION, SHEAR, GOUGE ZONE Intensely alt. granitic material showng fault movement by sheared minerals and gouges. Original textures destroyed.	54123	119.6	121.0	36.45	36.88	1.4	0.43	.06	.00	.00
121.0-126.4	36.88-38.53	ALTERED GRANITE Strongly alt. granite ppy. Complete chl'n, with some epidotization, of graundmass. K-spars show some ep'c alt. and gradational grain boundaries. Rounded qtz grains. Brecciation from 124.0 - 125.7, with fault gouge at 125.0. Original textures destroyed here, but partially preserved in remainder of zone.	54124	121.0	126.4	36.88	38.53	5.4	1.65	.00	.00	.00
126.4-142.0	38.58-43.28	ALTERED GRANITE Weak alterations of granite ppy. Main evidence of alteration is chl'n of mafics, but plag. shows definite argillic alterations. K-spars remain fresh and euhedral. Epidote, hematite, and clays found along fractures. Original textures preserved.										
		E.O.H. at 142.0'/ or 43.28m										

SVEINSON WAY MINERAL SERVICES LTD. — DIAMOND DRILL LOG — PAGE 1

PROPERTY	Arlington	HOLE NO.	A-23
LOGGED BY	H. Keyser	LOCATION	15+45n
DATE LOGGED	July 3/81	AZIMUTH	273.17°
DATE COLLARED	June 25/81	DIP AT COLLAR	-49.8°
DATE COMPLETED	June 30/81	DEPTH	117.0'/35.66m

DIP TESTS
____° AT ____'
____° AT ____'
____° AT ____'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METRES	Ag	Pb	Zn
0.0- 2.0	0.- 0.61	CASING										
2.0- 15.2	0.61- 4.63	GRANITE PPY Weak alt. chl'd mafics, weak ep'n of plag. K-spar remain euhedral. Original textures preserved CI=15										
15.2- 17.0	4.63- 5.18	ALTERED GRANITE Mod. alt. granite ppy. Chl'd mafics, ep'd plagioclase. Chlorite and qtz filled fractures. Original textures preserved. CI= 15.										
17.0- 22.4	5.18- 6.83	QUARTZ SULFIDE ZONE Zone of qtz fracture fillings with Gl and Sp. About 70%. Combined mineralization at 17.1 -17.3	50303	17.0	17.4	5.18	5.30	0.4	0.12	.70	3.11	8.21
		Remainder of zone has continuous but minor (less than 2%) sulfides.	50304	17.4	22.4	5.30	6.83	5.0	1.52	.09	.18	.73
22.4- 37.1	6.83- 11.31	ALTERED GRANITE Intensely ep'd granitic material. Less than 2% mafics, secondary qtz fillings in fractures.	50305	22.4	27.3	6.83	8.32	4.9	1.49	.06	.05	.08
			50306	27.3	32.2	8.32	9.81	4.9	1.49	.06	.05	.15
		Traces Gl and Sp in main alt. zone. Some sericite and chlorite. Original textures destroyed.	50307	32.2	37.1	9.81	11.31	4.9	1.49	.82	.28	.31
37.1- 38.9	11.31- 11.86	ALTERED GRANITE Weakly argillized granite ppy. Chl'd mafics argillic alterations of plag. K-spars have lost some color are slightly sheared, and are gradational at crystal boundaries.										
38.9- 47.4	11.86- 14.45	ALTERED GRANITE Weakly altered granite ppy. Chl'd mafics ep'd plag. K-spars have lost some color, but remain euhedral. Small discordant qtz veins Original textures preserved CI= 15.										

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
47.4- 54.1	14.45- 16.49	ALTERED GRANITE Weak argillic alt., as at 37.1 - 38.9												
54.1- 55.4	16.49- 16.89	ALTERED GRANITE Strong alt. of granite ppy. Chl'd and ep'd groundmass. K-spars are mostly destroyed. Qtz grains are rounded. Original textures destroyed. Small fractures 20° to core axis.	50308	54.1	55.4	16.49	16.89	1.3	0.40	12	.05	.07		
55.4- 70.6	16.89- 21.52	ALTERED GRANITE Weakly alt. granite ppy. Chl'd mafics, ep'd plag. K-spars are generally original. Local argillic alt. of plag. Original textures preserved. CI= 20.												
70.6- 72.2	21.52- 22.01	PEGMATITIC GRANITE Moderately alt. and fractured synchronous pegmatite. 80% k-spar, 15% qtz, 5% plag and mafics.												
72.2- 85.7	22.01- 26.12	ALTERED GRANITE Moderately alt. granite ppy. Chl'd mafics, ep'd and locally argillized plagioclase. K-spars have lost some color and crystals symmetry, and exhibit gradational boundaries. Original textures preserved. Broken core, 1' of wash at 73.5 - 74.5, 2 feet at 82.7 - 84.7													
85.7- 87.8	26.12- 26.76	ALTERED GRANITE Strongly alt. granite ppy. Chl'd mafics, ep'd and chl'd plag. K-spars are quite fractured and have lost a lot of color. Qtz filled fractures. Some original textures preserved.	50309	85.7	87.8	26.12	26.76	2.1	0.64	.00	.00	.00		
87.8- 92.1	26.76- 28.07	ALTERED GRANITE Strongly alt. granite ppy. Essentially similar to 85.7 - 87.8, except that fractures are predomintly hematite filled. 1' of wash at 88.6 - 89.6.	50310	87.8	92.1	26.76	28.07	4.3	1.31	.12	.00	.00		
92.1- 94.8	28.07- 28.90	ALTERED GRANITE Intense argillic alt. of granitic material. Conglomeratic texture, with qtz as clasts, and clay minerals as matrix. Original textures destroyed.	50311	92.1	94.8	28.07	28.90	2.7	0.82	.09	.00	.03		

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No	FEET From	FEET To	METERS From	METERS To	WIDTH FEET	WIDTH METERS
94.8-	28.90-	ALTERED GRANITE							
105.7	32.22	Weak to mod. alterations of granite ppy. Chl'd mafics with epidotic and local argillic alt. of plagioclase. K-spars generally retain most of original structure and color, although local shearing and fracturing present. Original textures preserved.							
105.7-	32.22-	PEGMATITIC GRANITE							
106.6	32.49	Weakly altered and sheared synchronous pegmatite.							
106.6-	32.49-	GRANITE PPY							
117.0	35.66	Weakly alt. granite ppy. Weakly chl'd mafics, recognizable locally as biotite. Local ep'n and argillization of plagioclase. Original textures preserved. CI= 10.							
		E.O.H. 117.0'/ 35.66m							

PROPERTY: Arlington
LOGGED BY: H. Keyser
DATE LOGGED: July 4, 1981
DATE COLLARED: June 30/81
DATE COMPLETED: July 3/81

HOLE NO.: A-24
LOCATION: 15+45N
AZIMUTH: 268.77°
DIP AT COLLAR: -25.4°
DEPTH: 114' / 34.75m

DIP TESTS
____° AT ____'
____° AT ____'
____° AT ____'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE NO.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
0.0-4.0	0-1.22	CASING										
4.0-13.3	1.22-4.05	ALTERED GRANITE Zone of weak alt. of granite ppy. Mafics are chl'd plag shows significant. ep'n. K-spars, quartz and textures remain original. CI= 10.										
13.3-15.1	4.05-4.66	ALTERED GRANITE Strong alt. of granite ppy thoroughly ep'd and chl'd groundmass. K-spars obscured by kaol'n. Small (less than 3mm) qtz veins at 50° to core axis. Traces Gl, Sp, sericite. Original textures partially preserved.	50312	13.3	15.1	4.05	4.66	1.8	0.55	.12	.03	.02
15.1-17.2	4.66-5.24	ALTERED PEGMATITIC GRANITE Strongly ep'd pegmatitic material. No mafics. Some chlorite along fractures. Traces Sp and Gl.	50313	15.1	17.2	4.66	5.24	2.1	0.64	.12	.07	.10
17.2-34.1	5.24-10.39	ALTERED GRANITE Strongly alt. granite ppy. Mainly ep'n, but chl (in fractures and mafics), sericite, and clays present as well. Traces Sp. Original textures destroyed.	50314 50315 50316 50317	17.2 22.2 27.2 31.0	22.2 27.2 31.0 34.1	52.4 6.77 8.29 9.45	6.77 8.29 9.45 10.39	5.0 5.0 3.8 3.1	1.52 1.52 1.16 0.94	.12 .09 .09 .12	.12 .03 .02 .07	.13 .05 .09 .10
34.1-38.8	10.39-11.83	ALTERED GRANITE Moderately alt. granite ppy. Thoroughly ep'd plag, chl'd mafics, slightly sheared and altered k-spars. Quartz and chlorite filled fractures. Hematite staining. Original textures preserved.										
38.8-42.5	11.83-12.95	ALTERED GRANITE Brecciated and strongly alt. granite ppy. Brecciation indicated by fragmented k-spar. Chl'd and	50318	38.8	42.5	11.83	12.95	3.7	1.13	35	.06	.05

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
		ep'd mafics, ep'd plag. K-spars show some alt. chlorite and clays present along fractures. Most original textures destroyed. Traces Gl, Sp, Py.										
42.5-	12.95-	ALTERED GRANITE										
50.1	15.27	Strongly alt. granite ppy. Main alt.is epidote. affecting all minerals but quartz, and lesser amounts of chlorite andclays (both mainly in fractures). Traces Sp. Original textures mostly destroyed.	50319	42.5	46.3	12.95	14.11	3.8	1.16	.12	.06	.10
			50320	46.3	50.1	14.11	15.27	3.8	1.16	.12	.08	.22
50.1-	15.27-	ALTERED GRANITE										
58.5	17.83	Strongly alt. granite ppy. As at 42.5 - 50.1, but pervasive chlorite; affecting all minerals but quartz. Numerous quartz veins. Original textures mostly destroyed. Traces Sp.	50321	50.1	54.3	15.27	16.55	4.2	1.28	.06	.01	.04
			50322	54.3	58.5	16.55	17.83	4.2	1.28	.06	.04	.00
58.5-	17.83-	ALTERED GRANITE										
62.8	19.14	Strong alt. of granite ppy. Similar to 50.1-58.5, but chlorite and epidote are present in equal amounts. Except for quartz, alteration is pervasive. Most original textures destroyed.	50323	58.5	62.8	17.83	19.14	4.3	1.31	.12	.08	.08
62.8-	19.14-	ALTERATION, SHEAR, GOUGE ZONE										
63.9	19.48	Zone of intense alteration accompanied by fault movement. Both shears and gouges present. Only rounded quartz grains remain. Visible Sp, Gl.	50324	62.8	63.9	19.14	19.48	1.1	0.34	2.56	.47	.37
63.9-	19.48-	ALTERED GRANITE										
68.5	20.88	Moderatley to strongly altered granite ppy. Chlorite present in mafics and fractures, ep'd plag. Some clays present in fractures. K-spars have lost some color and crystal symmetry.	50325	63.9	68.5	19.48	20.88	4.6	1.40	.06	.03	07
68.5-	20.88-	ALTERED GRANITE										
72.3	22.04	Weak alterations of granite ppy. Mafics chl'd. Plag shows weak to locally moderate epidotic and argillic alterations. K-spars locally show some alteration and shearing, but are generally intact. Original texturespreserved. CI= 15.										
72.3-	22.04-	PEGMATITIC GRANITE										
73.1	22.28	Somewhat altered & sheared synchronous pegmatite Less than 5% mafics.										

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS
73.1-80.5	22.28-24.54	ALTERED GRANITE Weakly altered granite ppy, as at 68.5 - 72.3							
80.5-82.2	24.54-25.05	ALTERED GRANITE Intensely altered granite ppy. Pervasive chl'c alterations, with quartz being only locally recognizable. Some epidote and clays present as well.		80.5	82.2	24.54	25.05	1.7	0.52
82.2-114.0	25.05-34.75	ALTERED GRANITE Weakly altered granite porphyry, showing chloritized mafics, and weak epidotic and local argillic alterations of plag. K-feldspars remain fresh and euhedral. Clayey white gouge material at 94.0 - 94.1, without an alteration halo. Original textures preserved. CI = 10.		94.0	94.1	28.65	28.68	0.1	0.03
		E.O.H. at 114.0'/ 34.75m							

SVEINSON WAY MINERAL SERVICES LTD. — DIAMOND DRILL LOG — PAGE 1

PROPERTY	Arlington	HOLE NO.	A-25
LOGGED BY	G. Allen	LOCATION	15755N
DATE LOGGED	May 29, 31/81	AZIMUTH	336.55°
DATE COLLARED	May 25/81	DIP AT COLLAR	-65.0°
DATE COMPLETED	May 28/81	DEPTH	122ft/37.18m

DIP TESTS
____° AT ____'
____° AT ____'
____° AT ____'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
0-2.0	0-0.61	CASING												
2.0-15.8	0.61-4.81	GRANITE PPY Fresh Granite k-spar, pink emhedral, 2-4cm, aprox 30% Plag, white, sub-hedral, 2-4mm, aprox 45% Qtz, gray, amhedral, 2-5mm, aprox 15 - 20% Mafics, Ab greater than Bi, apox 10%, chloritized 12.4 - 13.0 - pegmatite dyke												
15.8-17.5	4.82-5.33	ALTERATION ZONE Strong epidote, chlorite alt. of granite ppy. Plag. alt. to epidote green. Mafics strongly chloritic. Traces <u>dissem. Gl & sp</u>, K-spar pink to greenish gray.	2134	15.8	17.5	4.82	5.33	1.7	0.52	.00	.00	.00		
17.5-25.2	5.33-7.68	SILICEOUS BRECCIA Angular fragments of intensely altered granite from Less than 1 to 5cm. Origional textures almost totally destroyed. Fragments are a siliceous, epidotic greenish-gray assemblage of epidote, chlorite & sericite (?) with vague anhedral quartz crystals visible in some places. Two phases of quartz filling make up the groundmass of the breccia. G.M. aprox 30%. The first phase of qtz. filling contains pods of <u>galena</u> & <u>sphalerite</u> up to 1 cm in diameter, sulphides making up less than 5% of the total rock. Second stage qtz. consists of aprox 5 mm. qtz. stringer. Barren	2135	17.5	25.2	5.33	7.68	7.7	2.35	.00	.00	.00		
25.2-30.0	7.68-9.14	ALTERATION ZONE Intensely alt. granite. Onlyqtz. grains unaltered in amoderatly siliceous, in part brecciated groundmass of fine grained epidote, chlorite	2136	25.2	30.0	7.68	9.14	4.8	1.46	.00	.00	.02		

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
&		and sericite (+?). k-feldspar crystals broken up to 3-4mm fragments, & altered to dark greenish gray. Minor qtz stringers (1-2mm) with traces SP & GL.										
30.0-30.9	9.14-9.42	SILICEOUS BRECCIA Much as 17.5 - 25.2, Pods of Sp & Gl, (sp greater than Gl) up to 2 cm. Aprox 15% of total rods	2137	30.0	30.9	9.14	9.42	0.9	0.27	.00	.00	.00
30.9-32.7	9.42-9.97	ALTERED GRANITE Moderate to strong propylitic alt. of granite ppy. Origional textures in part preserved. 31.1 - 31.2, Siliceous breccia with 5% Gl & Sp 31.8 - 32.8, Altered pegmatite.	2138	30.9	32.7	9.42	9.97	1.8	0.55	.00	.00	.00
32.7-48.2	9.97-14.69	GRANITE PPY Fresh To weakly propylitic granite										
48.2-50.0	14.69-15.24	ALTERED GRANITE Broken core, Moderate to strong propylitic alt. of granite ppy. G.M. partiallybrecciated to f.g. assemblage of chlorite, epidote & sericite.	2139	48.2	50.0	14.69	15.24	1.8	0.58	.00	.00	.03
50.0-90.1	15.24-27.46	GRANITE PPY Broken core, Weakly altered granite. Mafics chloritic. Plag. greenish tobrownish gray. 54.4- 55.5, Pegmatite dyke 61.4 - 62.4, Washed 72.6 - 74.6, Washed	2140	50.0	55.0	15.24	16.76	5.0	1.52	.00	.05	.05
			2141	60.0	66.0	18.29	20.12	6.0 (1' missing	1.83	.00	.27	.69
90.1-92.0	27.46-28.04	ALTERED GRANITE Moderate to strong prop. alt. of granite ppy 90.4-90.6, Greenish gray lt altered aplite. 90.6-90.7, Pegmatite 91.7-91.9, Gougy	2142	90.1	92.0	27.41	28.04	1.9	0.58	.00	.06	.10

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
92.0- 93.4	28.04- 28.47	GRANITE PPY Weak propylitic alt.	2143	92.0	94.6	28.04	28.83	2.6	0.79	.00	.18	.19
93.4- 94.0	28.47- 28.65	ALTERED GRANITE Strong propylitic alt. G.M. of sheared gougy, epidote, chlorite & sericite.										
94.0- 94.6	28.65- 28.83	APLITE DYKE Pink to greenish altered aplite.										
94.6- 100.0	28.83- 30.48	GRANITE PPY as 50.0 - 90.1										
100.0- 104.0	30.48- 31.70	ALTERED GRANITE Broken core. Weak to mod. propylitic alt. granite Minor gouge along fractures	2144	100.0	104.0	30.48	31.70	4.0	1.22	.00	.00	.01
104.0- 105.6	31.70- 32.19	ALTEREATION / SHEAR ZONE Strong prop. alt. with G.M. sheared to f.g. aggregate of chlorite, epidote & sericite. 104.1 - 104.6, Granitic pegmatite dyke? sub-parrallel to core. 105.1 - 105.4, gouge zone. shear at aprox 40° to core. 105. 6 - FOOTWALL	2145	104.0	105.6	31.70	32.19	1.6	0.48	.00	.01	.04
105.6- 122.0	32.19- 37.18	GRANITE PPY Fresh to weakly altered granite. 109.8 - 111.3, Pinkish gray med gn aplite at aprox 45° to core. 111.6-112.1, aplite/pegmatite 112.1-113,5, Mafics aprox 25%, Assiminated paragneisse? 120.2 - 122.0, Aplite, contact at 50° to core.										

PROPERTY: Arlington
LOGGED BY: G. Allen
DATE LOGGED: June 1/81
DATE COLLARED: May 28/81
DATE COMPLETED: May 30/81

HOLE No.: A-26
LOCATION: 15+55n
AZIMUTH: 329.03°
DIP AT COLLAR: -46.6°
DEPTH: 93.0ft/28.35

DIP TESTS
___° AT ___'
___° AT ___'
___° AT ___'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
0-14.1	0-4.30	GRANITE PPY Fresh to weakly chloritic porphylitic granite. K-spar, pink, enhedral, 1-2 X 3-4cm, aprox 25-30%. Plag, white to brownish cream color, 2-4mm, aprox 45%. Qtz, gray, anhedral, 3-5mm, aprox 15-20%. Mafics, Gb greater than Bi, partially chloritic aprox 10%. 4.3 - 4.7, Fine to med. granitic dyke. Pink aplite. Cl aprox 1 aprox 20° to core. 4.9 - 5.2 Aplite Cl aprox 1 6.8 - 7.1, " 9.0 - 9.1, Pegmatite, 25° to core. 9.3 - 9.5, Pegmatite, 25° to core.												
14.1-15.4	4.30-4.69	ALTEREATION ZONE Moderate to strong chloritic, epidotic alt. of granite ppy. K-spar pink to greenish gray & partially broken up. Plag. altered to epidote & chlorite. Mafics chloritic.	2146	14.1	15.4	4.30	4.69	1.3	0.40	.00	00	.02		
15.4-23.7	4.69-7.22	SILICEOUS BRECCIA Aprox 60% epidotized, silicified, angular to sub-rounded fragments of alt. granite (less than 1 to 5cm), in a white quartz matrix. At least three phases, of qtz filling. First phase also brecciated. Second phase contains specs & pods of sphalerite & galena up to 2 cm in diameter. Aprox. 3-5% sulphides overall.	2147	15.4	19.6	4.69	5.97	4.2	1.28	.00	.27	.70		
			2148	19.6	23.7	5.97	7.22	4.1	1.25	.00	.17	.91		
23.7-26.0	7.22-7.92	ALTEREATION/BRECCIA ZONE Less siliceous than 15.4 - 23.7. Predom. a fine grained aggregate of chlotte, epidotes sericite with 3-4 mm fragments of feld. & 1-2cm angular fragments of qtz. Minor amounts Gl in qtz at 23.4	2149	23.7	26.0	7.22	7.92	2.3	0.70	.00	.16	.06		

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
26.0-27.0	7.92-8.23	SILICEOUS BRECCIA ZONE As 15.4 - 23.7, 1-2% f.g. galena	2150	26.0	28.4	7.92	8.65	2.4	0.73	.58	.82	.21
27.0-28.4	8.23-8.66	ALTERED GRANITE Strong propylitic alt. of granite ppy. Plag, epidotic to bluish green K-spar, pink to dark greenish gray Mafics, chloritized.										
28.4-34.1	8.66-10.39	GRANITE PPY Weakly altered granite. Plag. greenish gray to brownish. Maficschloritic Origional texture intact.	2151	28.4	34.1	8.66	10.39	5.7	1.74	.00	.00	.02
34.1-34.8	10.39-10.61	ALTERATION ZONE Moderate chloritic alt. ofgranie. ppy. K-spar Pink, brecciated into 0.5 - 2cm angular fragments in a chlorite, sericite & epidotic g.m. Some gouge on narrow fractures.	2152	34.1	34.8	10.39	10.61	0.7	0.21	.00	.02	.02
34.8-37.6	10.61-11.46	SILICEOUS BRECCIA 0.5 - 5cm cherty, greenish, gray, angular qtz. fragments in a g.m. of white quartz and/or f.g. chlorite, epidote, sericite aggregate aprox 20% chloritic g.m. Fine grained masses of sphalerite & galena up to 2cm in diameter, in brecciated cherty qtz. aprox 3% sulphides in rock.	2153	34.8	37.6	10.61	11.46	2.8	0.85	.28	.47	1.11
37.6-38.1	11.46-11.61	ALTERATION ZONE Strong propylitic alt. of granite ppy. Only quartz unaltered.	2154	37.6	38.1	11.46	11.61	0.5	0.15	.06	.00	.00
38.1-38.5	11.61-11.73	GRANITE PPY Weakly propylitic granite	2155	38.1	44.2	11.61	13.47	6.1	1.86	.00	.00	.00
38.5-39.8	11.73-12.13	PEGMATITE DYKE Coarse grained k-spar & qtz.										
39.8-40.1	12.13-12.22	ALTERED GRANITE K-spar brecciated. G.M. epidote, sericite, chl. Strong alt. Orig. textures destroyed.										
40.1-40.7	12.22-12.40	GRANITE PPY Weak prop. alt. of granite ppy. Plag. greenish to gray to brownish/										

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
40.7- 41.1	12.40- 12.53	ALTERED GRANITE As 39.8 - 40.1												
41.1- 41.4	12.53- 12.62	GRANITE PPY Weakly altered granite. As 40.1 - 40.7												
41.4- 41.8	12.62- 12.74	ALTERATION/SHEAR ZONE Moderate to strong chloritic/propylitic alt. of granite ppy. Plag. dark to epidotic green. Mafics chloritic, K-spar, pink brecciated. 41.6 - 41.8, Sheared, crumbly. Brecciated 1mm gouge along shears at aprox 70° to core.												
41.8- 44.2	12.74- 13.47	ALTERED GRANITE Weak to mod. prop. alt. of granite ppy.												
44.2- 46.6	13.47- 14.20	MED. GRAINED GRANITIC DYKE CI aprox 2												
46.6- 48.9	14.20- 14.95	GRANITE PPY Weak prop. alt of plag.												
48.9- 50.3	14.91- 15.33	ALTERED GRANITE Moderate to strong chloriticalt. 48.9 - 49.2, Granite brecciated & ground to near gouge.	2156	48.9	52.0	14.91	15.85	3.1	0.94	.00	.00	.00		
50.3- 52.0	15.33- 15.85	ALTERED GRANITE Weak to moderate chloritic alt.												
52.0- 53.9	15.85- 16.43	GRANITE PEGMATITE Dyke?												
53.9- 63.4	16.43- 19.32	GRANITE PPY Weakly propylitic granite. Plag. brownish to greenish gray.												
63.4- 64.2	19.32- 19.57	APLITE/PEGMATITE DYKE Granitic dyke.												

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
64.2- 65.8	19.57- 20.05	GRANITE PPY As 53.9 - 63.4												
65.8- 66.4	20.05- 20.24	PARAGNEISSIC INCLUSION f.g. mafic rich inclusion												
66.4- 70.4	20.24- 21.46	ALTERED GRANITE Weak to moderate prop. alt. 67.0- 67.4, sheared, gougy 68.5 - 68.8, sheared, gougy	2157	66.4	70.4	20.24	21.46	4.0	1.22	.23	.00	.00		
70.4- 71.6	21.46- 21.83	PEGMATITE DYKE Granitic												
71.6- 72.3	21.83- 22.04	GRANITE PPY Weakly altered granite. Mafics chloritic. Plag. brownish.												
72.3- 72.8	22.04- 22.19	PEGMATITE DYKE Granitic pegmatite dyke.												
72.8- 73.4	22.19- 22.37	ALTERED GRANITE Weak to mod. prop. alt. Origional textures preserved.												
73.4- 74.1	22.37- 22.58	PEGMATITE DYKE												
74.1- 74.5	22.58- 22.71	SHEAR ZONE Mod. prop. alt. of granite. Minor gouge along shear surfaces.	2158	74.1	76.5	22.58	23.32	2.4	0.73	.06	.00	.00		
74.5- 75.0	22.71- 22.86	ALTERED GRANITE Weak to mod. alt. of granite. Plag. brown mafics chloritic.												
75.0- 76.5	22.86- 23.32	ALTERATION/GOUGE ZONE Strong alt. of granite. K-spar pink to greenish gray & partially brecciated. G.M. of chlorite, epidote, sericite (+?) ground to crumbly gougy material.												
76.5- 83.4	23.32- 25.42	ALTERED GRANITE Weak to mod. prop. alt. Plag. brownish Mafics chloritic. Origional textures preserved.	2159	76.5	80.0	23.32	24.38	3.5	1.07	.12	.01	.06		

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET From	FEET To	METERS From	METERS To	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
		77.2 - 77.8, Broken core.	2160	80.0	83.4	24.38	25.42	3.4	1.04	.00	.00	.00
83.4- 86.4	25.42- 26.33	ALTERED GRANITE Strong chloritic alt. of granite ppy. K-spar brecciated into 0.5cm frags. in g.m. of ground chlorite, epicote & sericite. Origional textures totally destroyed. 85.7 - 86.1, shear, gouge zone, aprox 70° to core. Quartz grains in greenish clay.	2161	83.4	86.4	25.42	26.33	3.0	0.91	.23	.01	.00
86.4- 93.0	26.33- 28.35	GRANITE PPY Fresh granite. 86.4 - 88.3, Plag. brownish 89.0 - 89.9, Mafic inclusion. Quartz crystals 3-4mm in f.g. mafic rich g.m.										
		E.O.H.										

SVEINSON WAY MINERAL SERVICES LTD. — DIAMOND DRILL LOG — PAGE 1

PROPERTY: Arlington
LOGGED BY: H. K.
DATE LOGGED: June 6, 1981
DATE COLLARED: June 1/81
DATE COMPLETED: June 4/81

HOLE NO.: A-27
LOCATION: 15755 N
AZIMUTH: 332.08°
DIP AT COLLAR: -248°
DEPTH: 94.0' / 28.65m

DIP TESTS
___° AT ___'
___° AT ___'
___° AT ___'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn	Au
0.0-6.8	0.0-2.07	ALTERED GRANITE Weak to moderately alt. granite ppy. Subhedral qtz. crystals, greyish pink k-spar phenocrysts. Alt. consists of epidote and chlorite. Visible - PYRITE present, also some sericite. Mafics are alt. to chlorite, plag to epidote.	A-035	0.0	3.4	0.0	1.04	3.4	1.04	.00	.00	.00	<.005
			A-036	3.4	6.8	1.04	2.07	3.4	1.04	.00	.00	.02	<.005
6.8-8.3	2.07-2.53	PEGMATITE DYKE Sheared & brecciated qtz. & k-spar. Chlorite alt. present in fractures CI= 3											
8.3-11.1	2.53-3.38	ALTERED GRANITE Moderate propylitic alt. Epidote, chlorite, & sericite present. K-spars are slightly alt. esp. at crystal margins. Subhedral k-spar phenocrysts subhedral qtz. Chloritized mafics, epidotized plag.	A-037	8.3	11.1	2.53	3.38	2.8	0.85	.00	.00	.00	
11.1-14.8	3.38-4.51	ALTERED GRANITE Strong alterations exhibited, mainly ↓o chlorite but also epidote and sericite. Original textures hydrothermally destroyed. Original color and crystal margins of k-spars destroyed. Missing Core. CI = 40, but locally up to 70.	A-038	11.1	14.8	3.38	4.51	3.7	1.13	.00	.00	.00	
14.8-15.2	4.51-4.63	ALTERED GRANITE Small zone of moderately chloritized granite ppy some epidote and sericite present. Original textures partially destroyed. Pink ofk-spars still visible CI= 15.	A-039	14.8	15.2	4.51	4.63	0.4	0.12	.00	.00	.03	
15.2-15.9	4.63-4.85	ALTERED GRANITE Intensely alt. (mainly epidote) by shearing & hydrothermal process. Some chlorite present in	A-040	15.2	15.9	4.63	4.85	0.7	0.21	.00	.05	.05	

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET From	FEET To	METERS From	METERS To	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn	Au
		fractures. K-spar, mafics & plagioclase are completely altered. Qtz. grains are rounded & fractured. CI= 50.											
15.9-24.4	4.85-7.44	SILICEOUS BRECCIA Brecciation of altered granite and qtz stringers. Main alt. is epidote, which occurs thoughout but especially in fractures & interstitial spaces. Visible Gl, Sp & Py,. Gl occurs in clusters, but Sp & Py more evenly distributed. CI = 20.	A-041	15.9	20.2	4.85	6.16	4.3	1.31	.00	.27	.69	<.005
			A-042	20.2	24.4	6.16	7.44	4.2	1.28	.00	.06	.10	<.005
24.4-30.0	7.44-9.14	ALTERED APLITE Similar to 15.9 - 24.4 but more epidotization, finer grained, and fewer qtz stringers. Visible Gl, Py, & Sp throughout, CI= 30.		24.4	30.0	7.44	9.14	5.4	1.65	.00	.18	.19	<.005
30.0-31.3	9.14-9.54	ALTERED GRANITE Moderately chloritized & epidotized granite ppy. Large K-spars are still mainly pink but plag is well epidotized. Mafics altered tochlorite. All chrystals are anhedral. CI = 15, locally up to 30.	A-049	30.0	31.3	9.14	9.54	1.3	0.40	.00	.18	.19	
31.3-33.7	9.54-10.27	ALTERED GRANITE Epidotized & chloritized granite py. Moderate alt., mainly Sp. Some k-spars remain pink and somewhat euhedral. However, plag is well altered and quartz rounded. Chlorite occurs mainly in fractures, some in mafics. Much coarser grained than 30.0 - 31.3, CI= 10.	A-045	31.3	33.7	9.54	10.27	2.4	0.73	.00	.00	.04	
33.7-34.0	10.27-10.36	ALTERATION/GOUGE/SHEAR ZONE Brecciated altered (chlorite) gouge granitic material. Only qtz grains remain recognizable.	A-046	33.7	34.0	10.27	10.35	0.3	0.09	00	.31	.03	
34.0-35.5	10.36-10.82	ALTERED GRANITE Epidotized & chloritzed zone of altered and partially sheared granite. K-spars are gray & qtz grains show some alt., Overall color is grey, contains some fractured qtz stringers. Original textures remain, hydrothermal alteration. CI= 10.	A-047	34.0	35.5	10.36	10.82	1.5	0.46	.00	.10	.13	

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
35.5-41.8	10.82-12.74	ALTERED GRANITE Similar to 34.0-35.5, but courser grained and k-spar not quite as altered. CI= 10	A-048	35.5	41.8	10.82	12.74	6.3	1.92	.00	.13	.08
41.8-44.0	12.74-13.41	ALTERED GRANITE Lithologically distinct from 35.5 - 41.8, by smaller grains & overall darker color, K-spars show somewhat less alt. Chloritization is prominant epidotization. Minor areas of shearing possibly brecciation. CI = 20. Epidotization occurs mainly in plag.	A-049	41.8	44.0	12.74	13.41	2.2	0.67	.00	.01	.03
44.0-46.4	13.41-14.14	ALTERED GRANITE Moderate chlorite & epidote alt. Chl. occurs in mafics and ep. in fractures. Visible PY. Larger less altered k-spars than 41.8 - 44.0, However, overall alt. is more intense. CI= 20. Original textures preserved	A-050	44.0	46.4	13.41	14.14	2.4	0.73	.00	.00	.00
46.4-47.2	14.14-14.39	ALTERED GRANITE Moderate to strong alt., mainly chlorite, K-spars remain slightly pink. Qtz. shows some original textures, Vertical (to core) fracturing present. Crystal margins in all minerals are obscured & gradational. CI= 20.	A-051	46.4	48.4	14.14	14.75	2.0	0.61	.00	.03	.01
47.2-48.4	14.39-14.75	ALTERED GRANITE Strong chloritic alt., broken core, minor shearing and fault gouge. Some ep. in plag., k-spars pink destroyed. CI= 30.										
48.4-52.7	14.75-16.06	ALTERED GRANITE Weak to moderate alt., mainly in chlorite. Plag. is only slightly modified, k-spar practically original. Very little fracturing but a small epidotic fault gouge at 51.4. CI= 15.	A-052	49.5	52.7	15.09	16.06	3.2	0.97	.00	.00	.01
52.7-55.0	16.06-16.76	PEGMATITIC GRANITE Pegmatitic phase of original granite intrusion. about 80% k-spar, 10% qtz, 5% plag, 5% mafics. Only alt. is chl. mafics. Original textures very evident. CI= 5.										

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
55.0-70.6	16.76-21.52	ALTERED GRANITE Weakly altered granite ppy. Qtz, k-spar remain original, plag slightly alt., mafics chloritized A little epidote, in fractures only. Original textures are well preserved. Crystals for most part are euhedral. Some minor epidotic fault gouge present.	A-053	55.0	58.8	16.76	17.92	3.8	1.16	.00	.00	.00
			A-054	66.3	70.6	20.21	21.52	4.3	1.31	.00	.00	.01
70.6-72.7	21.52-22.16	ULTRAMAFIC INCLUSION Dark ultramafic inclusion. H less than 6, CI greater than 95 very fractured, broken core.	A-056	70.6	72.7	21.52	22.16	2.1	0.64	.00	.00	.00
72.7-75.3	22.16-22.95	ALTERED GRANITE Moderate to strong alt., Some k-spars are altered to grey, others still show significant pink. Well altered groundmass, mainly chlorite, some epidote Some minor fault gouges present, hematite staining. CI= 25.	A-056	72.7	77.1	22.16	23.50	4.4	1.34	.00	.00	.00
75.3-77.1	22.95-23.50	ALTERED GRANITE Weak to mod. alt. still mainlychlorite, but epidote is more prominant than at 72.7 - 75.3. K-spars & qtz remain original, along with textures. Mafics are well altered. Some plag. is chloritized and/or epidotized. Hydrothermal alteratins CI = 20.										
77.1-80.2	23.50-24.44	ALTERED GRANITE Moderate alt., Chloritie greater than epidote. euhedral crystals, k-spars & qtz remain original but finer grained than 75.3 - 77.1, Distinct X boundaries. Some epidote in fractures. CI= 25.	A-057	77.1	80.2	23.50	24.44	3.1	0.94	.03	.00	.02
80.2-82.7	24.44-25.21	ALTERATION/SHEAR/GOUGE ZONE Zone of intensely alt. granite, shearing through out gouges at 81.5 at 82.4. Plastic clay at these points. K-spars have lost practically all color. Hematite saaining in fractures. This entire section of one is quite friable. Main alteration is chlorite, but some epidote & possibly sericite. CI= 40.	A-058	80.2	82.7	24.44	25.21	2.5	0.76	.00	.03	.14

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
82.7-83.6	25.21-25.48	ALTERED GRANITE Moderate to strong alt., mainly to chlorite. mafics & plag. are completely altered, k-spar is quite gray, qtz is well rounded.	A-059	82.7	83.6	25.21	25.48	0.9	0.27	.00	.00	.00
83.6-85.0	25.48-25.91	PEGMATITIC GRANITE Slightly altered k-spar, (80%), 10% qtz, 5% plag 5% chloritized mafics. CI= 5.										
85.0-94.0	25.91-28.65	ALTERED GRANITE Weak chloritic alt. of mafics, epidotic alt. of plag. Euhedral k-spars qtz exhibits V. few fractures. CI= 15. Original textures preserved.	A-060	85.0	89.5	25.91	27.30	4.5	1.37	.00	.00	.00
				89.5	94.0	27.30	28.65	4.5	1.37	.06	.00	.00
		E.O.H.										

PROPERTY Arlington
LOGGED BY H. Keyser
DATE LOGGED June 30, 81
DATE COLLARED June 23/81
DATE COMPLETED June 26/81

HOLE NO. A-28
LOCATION 16+40N
AZIMUTH 305°
DIP AT COLLAR -72°
DEPTH 123.0'/37.49m

DIP TESTS
___° AT ___'
___° AT ___'
___° AT ___'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
0 -2	0- 0.61	CASING										
2- 9.8	0.61- 2.99	GRANITE PPY Weakly alt. granite ppy. Mafics are chl'd but both feldspars remain original; as well as qtz. Original textures preserved. CI= 15.										
9.8- 13.7	2.99- 4.18	ALTERED GRANITE Locally brecciated, strongly alt. granite ppy. Numerous chlorite & qtz filled fractures. Plag. epidotized. Mafics chl'd. K-spars have lost most of original color. Original textures partly preserved. A little visible Sp.	54068	9.8	13.7	2.97	4.18	3.9	1.19	.00	.02	.04
13.7- 15.4	4.18- 4.69	ALTERED GRANITE Weak to moderately alt. granite ppy. Mafics chl'd plag epidotized. Original textures preserved. CI= 15.										
15.4- 17.0	4.69- 5.18	ALTERED GRANITE Strongly alt. granite ppy. Ep'd and chl"d groundmass. Original textures partially preserved. A few plag. crystals retain some of original color and shape.	54069	15.4	17.0	4.69	5.18	1.6	0.49	.00	.00	.00
17.0- 17.8	5.18- 5.43	ALTERED GRANITE Strongly alt. granite ppy, as at 15.4 - 17.0, but with visible Gl and Sp, total less than 1%.	54070	17.0	17.8	5.18	5.43	0.8	0.24	.00	.00	.00
17.8- 18.8	5.43- 5.73	QUARTZ SULFIDE ZONE Zone of intense alt. (mainly ep.) where rounded qtz is only recognizable mineral. Visible Gl, Sp, Py in amounts up to 70%. Possibly Ag, Cpy present	54071	17.8	18.8	54.3	5.73	1.0	0.30	20.5	1.90	1.26
18.8- 33.0	5.73- 10.06	ALTERED, GRANITE, BRECCIA Zone of brecciations and strong to intense alt.	54072	18.8	20.0	5.73	6.10	1.2	0.37	.12	.02	.11

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
		Main alteration product is epidote, but chlorite clays, and locally sericite present as well. Qtz and chlorite filled fractures. Some minor mineralizations of Sp and Gl present, especially at 20.0 to 20.9. Missing core. Original textures destroyed	54073	20.0	20.9	6.10	6.37	0.9	0.27	.52	.09	1.14
			54074	20.9	24.0	6.37	7.32	3.1	0.94	.06	.03	.06
			54075	24.0	29.0	7.32	8.84	5.0	1.52	.00	.01	.03
			54076	29.0	33.0	8.84	10.06	4.0	1.22	.09	.01	.02
33.0-34.8	10.06-10.61	ALTERED GRANITE Weak alt. of granite ppy. Chl'd mafics, plag is somewhat ep'd. K-spars remain euhedral and intact except for slightly gradational grain boundaries. Original textures preserved. CI= 15.										
34.8-36.6	10.61-11.16	ALTERED GRANITE Strong to intense alt. of granite ppy. Except for some local k-spar, qtz is only recognizable mineral. Most original textures destroyed. Ep'n is main alteration, but chl'n and kaol'n present as well.	50277	34.8	36.6	10.61	11.16	1.8	0.55	.12	.00	.02
36.6-36.9	11.16-11.25	GRANITE PPY Weakly alt. zone of granite ppy, where only evidence of alt. is chl'd mafics, and a few slightly ep'd plagioclase. Crystals. Original textures preserved. CI= 10.										
36.9-39.9	11.25-12.16	ALTERED GRANITE Strongly alt. granite ppy, where chlorite and ep are present in equal amounts. K-spars are recognizable, but just barely. Original textures partially preserved. Some local brecciation.	50278	36.9	39.9	11.25	12.16	3.0	0.91	.06	.00	.01
39.9-50.7	12.16-15.45	ALTERED GRANITE Zone of strong alt. of granite ppy., where main product of alt. is epidote. A few local k-spars have retained some original pinkness, but these crystals are anhedral and gradational into groundmass. Original textures partially preserved.	50279	39.9	45.3	12.16	13.81	5.4	1.65	.06	00	.02
			50280	45.3	50.7	13.81	15.45	5.4	1.65	.06	.02	.07
50.7-57.0	15.45-17.37	ALTERED GRANITE Strongly alt. granite ppy, with chloritebeing the main alt. products. Original textures partially preserved. Similar to 39.9 - 50.7, except for abundance of chlorite.	50281	50.7	57.0	15.45	17.37	6.3	1.92	.09	.01	.03

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET From	FEET To	METERS From	METERS To	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
57.0-60.4	17.37-18.41	ALTERED GRANITE Weakly alt. granite ppy. Chl'd mafics, ep'd and kao'd plag. K-spars remain euhedral, and pink, although crystal boundaries are slightly gradational. Original textures preserved. CI= 15.										
60.4-65.8	18.41-20.06	ALTERED GRANITE Strongly alt. granite ppy. Chlorite greater than epidote. K-spars barely recognizable. Numerous small qtz veins. Most original textures destroyed. similar to 50.7 - 57.0	50282	60.4	65.8	18.41	20.06	5.2	1.58	.12	.13	.07
65.8-66.4	20.06-20.24	ALTERED GRANITE Moderate alt. of granite ppy. Chl'd mafics, ep'd plagioclase, slightly alt. k-spars, which remain euhedral. Original textures preserved. CI= 20.										
66.4-68.0	20.24-20.73	PEGMATITIC GRANITE Weakly ep'd and chl'd synchronous pegmatite. Ci less than 5.										
68.0-68.8	20.73-20.97	ALTERED GRANITE Moderately alt. granite, as at 65.8 - 66.4										
68.8-77.9	20.97-23.74	ALTERED GRANITE Strong to intensely alt. granite ppy. with some local brecciations. Mafics and plag are for most part chl'd, with ep'n and kaol'n of k-spars. Visible Gl and Sp at 68.8 - 69.4, 70.3 - 71.0 in amounts less than 2%. Some small fault gouges present throughout zone, Some original textures preserved.	50283	68.8	73.8	20.97	22.49	5.0	1.52	.35	.47	.31
			50284	73.8	77.9	22.49	23.74	4.1	1.25	.12	.00	.00
77.9-79.6	23.73-24.26	ALTERED GRANITE Weak to moderate alt. of granite ppy., Chl'd mafics, ep'd plag., reasonably well preserved k-spars. Original textures preserved. CI= 15.										
79.6-80.2	24.26-24.44	PEGMATITIC GRANITE Weakly ep'd and chl'd synchrous pegmatite. CI less than 5.										
80.2-85.1	24.44-25.94	ALTERED GRANITE Weakly alt. granite ppy. Chl'd mafics, ep'd plag.										

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET From	FEET To	METERS From	METERS To	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
		kaol'd k-spars. Some minor gouging. Original textures partly preserved.	50285	85.1	87.1	25.94	26.55	2.0	0.61	.12	.03	.11
87.1-96.4	26.55-29.38	ALTERED GRANITE Weak alt. of granite ppy. Ep'd & kaol'd plag. : chloritized mafics. Original textures preserved.										
96.4-97.8	29.38-29.81	PEGMATITIC GRANITE Weakly alt. synchronous pegmatite, Broken core. Some ep. and chl. in fractures. CI less than 5.										
97.8-102.6	29.81-31.27	ALTERED GRANITE Moderately alt. granite ppy. Chl'd mafics, kaol'd and ep'd plag. K-spars and original textures are preserved. Broken core.										
102.6-104.8	31.27-31.94	ALTERED GRANITE Strong alt. of granite ppy. Chl'd groundmass, alt. k-spars. Most original textures destroyed. Minor gouging.	50286	102.6	104.8	31.27	31.94	2.2	0.67	.03	.00	.01
104.8-110.1	31.94-33.56	ALTERED GRANITE Moderately alt. granite ppy. Chl'd mafics, ep'd and kaol'd plag. K-spars remain pink although crystal margins are somewhat destroyed. Some broken core, clays present on fracture surfaces Original textures preserved.	50287	104.8	110.1	31.94	33.56	5.3	1.62	.06	.00	.00
110.1-110.8	33.56-33.77	PEGMATITIC GRANITE Moderately ep'd synchronous pegmatite. Some fracturing, CI less than 5.										
110.8-112.0	33.77-34.14	ALTERATION, GOUGE ZONE Intensely altered "plastic" gouge material. Light green in color, some small (less than 2mm) qtz fragments contained in gouge.	50288	110.8	112.0	33.77	34.14	1.2	0.37	.41	.10	.14
112.0-115.6	34.14-35.23	ALTERED GRANITE Moderate to strong alt. of granite ppy. Chl'd mafics, kaol'd and ep'd plag. This section of core contains up to 50% slightly alt. but euhedral k-spar. Original textures preserved.	50289	112.0	115.6	34.14	35.23	3.6	1.10	.00	.00	.00

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS
115.6-123.0	35.23-37.49	ALTERED GRANITE Weak to moderate alterations of granite porphyry. Mafics are chloritized, plagioclase is mainly kaolinized. A little epidote present, mainly in plagioclase. Euhedral k-feldspars, original textures preserved. E.O.H. at 123.0 feet.							

PROPERTY: Arlington
LOGGED BY: H. Keyser
DATE LOGGED: July 2/81
DATE COLLARED: June 26/81
DATE COMPLETED: July 1/81

HOLE NO.: A-29
LOCATION: 16+40n
AZIMUTH: 305°
DIP AT COLLAR: -63°
DEPTH: 110.0'/33.53m

DIP TESTS
___° AT ___'
___° AT ___'
___° AT ___'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals in feet)	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
0-2.0	0-0.61	CASING										
2.0-11.8	0.61-3.60	GRANITE PPY Weakly alt. granite. Chl'd mafics, K-spar, plag, qtz, and textures remain original CI= 10.										
11.8-16.5	3.60-5.03	ALTERED GRANITE Strong alt. of granite ppy. Complete chl'n of mafics and ep'n of plag. K-spars have lost significant color and symmetry. Original textures partially preserved.	50290	11.8	16.5	3.60	5.03	4.7	1.43	.06	.02	.05
16.5-19.1	5.03-5.82	QUARTZ SULFIDE ZONE Ep'd and chl'd qtz vein fillings with Gl and Sp in amounts up to 50%.	50291	16.5	19.1	5.03	5.82	2.6	0.79	.23	.08	.05
19.1-28.9	5.82-8.81	ALTERED GRANITE Strong to intense alt. of granite ppy, showing traces of Sp and Gl in qtz vein fillings. Chl'd mafics, ep'd plag. Original textures partially preserved.	50292	19.1	24.0	5.82	7.32	4.9	1.49	7.40	1.56	1.50
			50293	24.0	28.9	7.32	8.81	4.9	1.49	.12	.02	02
28.9-30.8	8.81-9.39	ALTERED GRANITE Weak alt. of granite ppy. Chl'd mafics, slightly ep'd plag. K-spars and textures remain original CI= 10.										
30.8-33.0	9.39-10.06	ALTERED GRANITE Moderately alt. granite ppy. Chl'd mafics and fractures ep'd plag. K-spars have lost some color and symmetry. Most original textures preserved. CI= 15.										
33.0-42.7	10.06-13.01	ALTERED GRANITE Moderately alt. granite ppy. Prevalent alt. is epidote. K-spars have lost some color, but remain	50294	33.0	37.9	10.06	11.55	4.9	1.49	.07	.00	.01

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
		euhedral. Some small qtz and chlorite filled fractures.	50295	37.9	42.7	11.55	13.01	4.8	1.46	.00	.00	00		
42.7- 44.5	13.01- 13.56	ALTERED GRANITE Weak alt. of granite ppy. Chl'd mafics, slightly ep'd plagioclase. As at 28.9 - 30.8												
44.5- 48.8	13.56- 14.87	ALTERED GRANITE Moderately alt. (mainly ep.) granite ppy. As at 33.0- 42.7.	50296	44.5	48.8	13.56	14.87	4.3	1.31	.15	.02	.08		
48.8- 56.3	14.87- 17.16	ALTERED GRANITE Weakly alt. granite ppy. Chl'd mafics slightly ep'd plag. K-spars are essentially original, although slight color loss. Original textures preserved. CI= 10.												
56.3- 62.5	17.16- 19.05	ALTERED GRANITE Strong to intense alterations of granite ppy. Pervasively chl'd groundmass, some epidote present in fractures. Qtz is only recognizable mineral. Original textures destroyed.	50297	56.3	59.4	17.16	18.11	3.1	0.94	.12	.08	.10		
			50298	59.4	62.5	18.11	19.05	3.1	0.94	.35	.16	.17		
62.5- 71.0	19.05- 21.64	PEGMATITIC GRANITE Weakly altered slightly sheared, synchronous pegmatite. Moderately alt. granitic inclusion at 69.2 - 69.3, 63.7 - 64.0, 65.2 - 65.4, 66.1 - 66.3, 66.7 - 67.0, 67.5 - 67.6, 68.0 - 68.1, 68.3 - 68.5, 69.1 - 69.5.												
71.0- 79.3	21.64- 24.17	ALTERED GRANITE Weak alt. of granite ppy. Chl'd mafics, moderately ep'd plag. K-spars remain fresh and enhedral, original textures preserved.												
79.3- 83.6	24.17- 25.48	ALTERED GRANITE Strongly alt. granite ppy. Pervasively chl'd groundmass. Qtz is only recognizable mineral. Original textures mostly destroyed.	50299	79.3	83.6	24.17	25.48	4.3	1.31	.23	06	.06		
83.6- 86.2	25.48- 26.27	ALTERED GRANITE Weak alt. of granite ppy. Chl'd mafics. Plag is												

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET From	FEET To	METERS From	METERS To	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
		moderately epidotized. K-spars have lost some color but are generally euhedral. Original textures preserved. CI= 15.												
86.2-87.2	26.27-26.58	PEGMATITIC GRANITE Weakly alt. & sheared synchronous granite.												
87.2-89.0	26.58-27.13	ALTERED GRANITE Weakly alt. granite ppy, asat 83.6 - 86.2												
89.0-90.9	27.13-27.71	ALTERATION, SHEAR, GOUGE ZONE Alt. varies from weak to intense. Shearing present throughout. Gouge present from 89.9 - 90.9, which appears to be about 45° to c.a. Original textures destroyed.	50300	89.0	90.9	27.13	27.71	1.9	0.58	.35	.05	.18		
90.9-110.0	27.71-33.53	ALTERED GRANITE Weak alt. of granite ppy. Chl'd mafics, plag is fresh or weakly ep'd. K-spars fresh & euhedral. Original textures preserved. CI= 15.												
		E.O.H. at 110.0 feet, 33.53m												

PROPERTY: Arlington
LOGGED BY: T. Henneberry
DATE LOGGED: July 9, 1981
DATE COLLARED: July1/81
DATE COMPLETED: July2/81

HOLE NO.: A-30
LOCATION: 16+40N
AZIMUTH: 305°
DIP AT COLLAR: -50°
DEPTH: 93'/28.35m

DIP TESTS
___° AT ___'
___° AT ___'
___° AT ___'

INTERVAL (FEET)	INTERVAL (METRES)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METRES	Ag	Pb	Zn
0-2.0	0-.61	CASING										
2.0-11.6	0.61-3.54	GRANITE PPY Predominantly fresh granite comprised of 30% k-spar (as phenocrysts; less than 4cm), 35-40% Plag. 10-15% mafics (chloritized) and 15-20% quartz. The rock is fairly well fractured (predominant 70 to 90, and 30 - 50%). Fractures show chlorite ± clays ± hematite. There is a small horizon of of moderate chloritic alt. at 9.7 - 10.3'. Traces of Py.	54086	9.7	10.3	2.96	3.14	0.6	0.18	06	.00	.06
11.6-13.2	3.54-4.02	ALTERED GRANITE Zone of strong chloritic alt. and silicification with k-spar remaining only partially pink. Plag. shows chlorite + clays. Fractures show intense chlorite. Traces Py. There is a small 0.2' zone of "fresh" granite at 13.0 ft.	54087	11.6	13.2	3.54	4.02	1.6	0.47	.06	.00	.03
13.2-19.9	4.02-6.07	ALTERATION, SILICIFICATION, SULFIDE ZONE Zone of strong epidotic alt. with all minerals showing epidote except the mafics. The zone also shows strong silicification. Fractures show strong chlorite + clays. The zone from 15.7-16.0' shows only moderate chlorite. 13.2-15.0, Traces gl. 15.0-15.7, 1-2% gl, 1% sp. 16.0-19.9, Traces gl.	54088	13.2	15.7	4.02	4.79	2.5	0.76	.12	.02	.21
			54089	16.0	19.9	4.88	6.07	3.9	1.19	.41	33	.38
19.9-24.2	6.07-7.38	ALTERATION, BRECCIA, SULFIDE ZONE Zone of strong epidote/chlorite alteations and brecciation. Ubiquitous qtz. Minerals only partially recognizable. K-spars show epidte & chlorite Fractures show strong chlorite and epidote ± clays. Gouge at 23.4', 1% gl, traces sp.	54090	19.9	24.4	6.07	7.38	4.3	1.31	06	.00	.08

HOLE No. A-30 PAGE ____

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
24.2-29.2	7.38-8.90	ALTERED GRANITE Zone of strong chloritic, epidotic alt., with k-spar alt. to fairly fresh (secondary) Plag. shows intense epidote, chlorite. Fractures show intense chlorite, strong epidote ± clays. Traces Gl.	54091	24.2	29.2	7.38	8.90	5.0	1.52	.00	.00	.04
29.2-32.4	8.90-9.88	ALTERED GRANITE Zone of strong silicification, strongchlorite + epidote. Alt. (silicification) mask original textures. Zone shows subparallel (core axis) fractures with strong chlorite, epidote ± clays. Traces Gl.	54092	29.2	32.4	8.90	9.88	3.2	0.98	.00	.00	.03
32.4-33.2	9.88-10.12	ALTERED GRANITE Zone of moderate chl'c alt. + silicification. Plag. shows silicified clays + chlorite. K-spar remains fairly "fresh" Fractures show clays ± chlorite.	54093	32.4	33.2	9.88	10.12	0.8	0.24	.00	.00	.02
33.2-38.7	10.12-11.80	ALTERED GRANITE Zone of strong chloritic, epidotic alt. & silicification. K-spar shows strong epidote, Plagshows clays + chlorite. Fractures show clays ± chlorite.	54094	33.2	38.7	10:12	11.80	5.5	1.68	.00	.00	.05
38.7-39.0	11.80-11.88	APLITE DYKE at 60° to core. Dyke shows strong epidote	54095	38.7	39.0	11.80	11.88	0.3	0.09	.00	.00	.01
39.0-41.4	11.88-12.62	ALTERED GRANITE Zone of strong epidote, chl alt. Zone also shows strong silicification. K-spars shows strong epidote, chlorite + clays in plag. Fractures show chlorite + epidote ± clays. Traces Sp.	54096	39.0	41.4	11.88	12.62	2.4	0.73	.00	00	.05
41.4-54.2	12.62-16.52	ALTERATION, GOUGE, SULFIDE ZONE Zone of strong chlorite, brecciation. K-spar shows weak epidote + chlorite. Plag. shows intense chlorite + clays. Zones seem to show mod. silicification. The core seems well broken up in this zone. Pegmatite dykes at 47.4 - 47.8' and 49.3 - 49.7'. The zone from 50.4 - 53.0 shows extreme brecciation and gouge. 49.9-50.4, Sulfide zone 20% gl, 1% sp.	54097	41.4	46.0	12.62	14.02	4.6	1.40	.06	.00	.07
			54098	46.0	49.9	14.02	15.21	3.9	1.19	.06	.00	.07
			54099	49.9	50.4	15.21	15.36	0.5	0.15	9.40	1.50	1.85
			54100	50.4	54.2	15.36	16.52	3.8	1.16	.06	.00	.10

HOLE No. A-30 PAGE ____

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET From	FEET To	METERS From	METERS To	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
54.2- 55.8	16.52- 17.01	ALTERED GRANITE Zone of strong argillic weak chl'c alt. in which the plag. and the rims of the k-spar show clays as do fractures. Fractures also show weak chl.	54026	54.2	55.8	16.52	17.01	1.6	0.49	.17	.01	.02		
55.8- 57.3	17.01- 17.47	ALTERED GRANITE Zone of weak chloritic alt. with plag. showing weak chloritie + kaolinite. Fractures chlorite + clays.												
57.3- 58.0	17.47- 17.68	PEGMATITE DYKE at 25° to core. Dyke shows weak epidde.												
58.0- 59.3	17.68- 18.07	ALTERED GRANITE as 55.8 - 57.3'												
59.3- 60.0	18.07- 18.29	PEGMATITE DYKE at 80° to core. Dyke shows weak epidote.												
60.0- 61.5	18.29- 18.75	ALTERED GRANITE as 55.8 - 57.3'. Zone has a minor paragneissic inclusion at 60.9'.												
61.5- 62.8	18.75- 19.14	PEGMATITE DYKE at 90° to core. Dyke shows weak epidote.												
62.8- 69.0	19.14- 21.03	ALTERED GRANITE as 55.8-57.3'.												
69.0- 70.0	21.03- 21.34	PEGMATITE DYKE at 80° to core. Dyke is well fractured and shows weak epidote.												
70.0- 70.5	21.34- 21.49	ALTERED GRANITE Zone of strong chloritic alt., with k-spar showing partial chl'n. Fractures show strong chl.	54027	70.0	70.5	21.34	21.49	0.5	0.09	.00	.01	.00		
70.5- 70.9	21.49- 21.61	PEGMATITE DYKE at 45° to core. Dyke shows moderate epidote.												
70.9- 73.3	21.61- 22.34	ALTERED GRANITE Zone of weak to mod. chl'c alt., Plag. chl + kaolin. K-spar fairly fresh. Fractues show strong chlorite.												

HOLE No. A-30 PAGE

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
73.3-75.0	22.34-22.86	ALTERED GRANITE Zone of broken core, showing ubiquitos quartz & strong chl'c and arg'c alt. Fractues chlorite ± clays. Traces Gl and sp.	54028	73.3	75.0	22.34	22.86	1.7	0.52	.23	.08	.11
75.0-75.4	22.86-22.98	PEGMATITE DYKE at 85° to core. Shows moderate epidote.										
75.4-75.9	22.98-23.13	ALTERED GRANITE Zone of strong chl., with k-spar remaning only partially pink. Zone shows strong clays. Fractures show clays ± chlorite.	54029	75.4	75.9	22.98	23.13	0.5	0.15	.00	.00	.02
75.9-76.2	23.13-23.23	GRANITE PPY Fresh granite.										
76.2-77.0	23.23-23.47	ALTERED GRANITE Zone of pervasive chlorite to gouge. Gouge at 76.5 and 76.8 feet.	55030	76.2	77.0	23.23	23.47	0.8	0.24	.12	.03	.02
77.0-79.3	23.47-24.17	ALTERED GRANITE Zone of weak chlorite, argillic alt. Plag. shows clays + chlorite. K=spar seem secondary/Fractures chlorite + clays.										
79.3-79.6	24.17-24.26	GOUGE ZONE Fault gouge showing strong chlorite.	54031	79.3	79.6	24.17	24.26	0.3	0.09	.17	09	.08
79.6-81.2	24.26-24.75	GRANITE PPY Fresh granite, with plag. showing vey weak clays.										
81.2-81.8	24.75-24.93	ALTERED GRANITE Zone of mod. chl, plag. showing partial chl, k-spar fairly pink. Chlorite ± clays along fractures	54032	81.2	81.8	24.75	24.93	0.6	0.18	.00	.01	.00
81.8-93.0	24.93-28.35	GRANITE PPY Fresh granite, with weak halos of chlorite or epidote enveloping fractures. The last 1.5' show an increase in k-feldspar to 90%(secondary)										
		E.O.H. 93.0'/28.35m										

PROPERTY: Arlington
LOGGED BY: T. Henneberry
DATE LOGGED: July 9/81
DATE COLLARED: July 3/81
DATE COMPLETED: July 6/81

HOLE NO.: A-31
LOCATION: 16+40N
AZIMUTH: 305°
DIP AT COLLAR: -35°
DEPTH: 80'/24.38m

DIP TESTS
___° AT ___'
___° AT ___'
___° AT ___'

INTERVAL (FEET)	INTERVAL (METRES)	DESCRIPTION	SAMPLE NO.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METRES	Ag	Pb	Zn
0-4.0	0-1.22	CASING										
4.0-12.2	1.22-3.72	GRANITE PPY Fresh to weakly chloritically alt. granite composed of 30% k-feldspar (predominantly as pheno) (less than 4cm), 35 - 40% plagioclase, 10 - 15% mafics (chloritized) and 15 - 20%, Fractures show strong chlorite ± clays. =										
12.2-14.6	3.72-4.45	ALTERED GRANITE Zone of strong chloritic alt. marked by the complete chl'n of k-feldspar, although textures are still visible. Zone also shows silicification. Fractures show chlorite ± clays. Fracture at 13.6 shows slickensides at 15° to core.	50343	12.2	14.6	3.72	4.45	2.4	0.73	.12	.02	.03
14.6-17.7	4.45-5.39	ALTERATION, SULFIDE ZONE Zone of pervasive chlorite & strong silicification Original textures only partially visible. Ubiquitous quartz throughout unit. The main sulfide zone is 16.6 - 17.0' and has 40% Gl and 5% Sp.	50344	14.6	17.7	4.45	5.39	3.1	0.94	2.33	1.43	0.57
17.7-21.4	5.39-6.52	ALTERATION, BRECCIA ZONE Zone of strong chloritic, epidotic alt., also showing weak clays. Zone also shows strong silicification. Fractures chlorite & epidote ± clays. Traces Gl & Sp.	50345	17.7	21.4	5.39	6.52	3.7	1.13	.17	.15	.14
21.4-30.1	6.59-9.17	ALTERED GRANITE Zone of strong epidote, chlorite. Plagioclase shows moderate clays. Zone also shows strong silicification. Fractures show intense chlorite, epidote ± clays. Traces Gl & Sp.	50346 50347	21.4 26.0	26.0 30.1	6.52 7.92	7.92 9.17	4.6 4.1	1.40 1.25	.00 .00	.06 .04	.00 .00

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
30.1-31.0	9.17-9.45	PEGMATITE DYKE at 40° to core. Dyke and fractures show moderate epidote/chlorite.										
31.0-33.8	9.45-10.30	ALTERED GRANITE Zone of strong epidote, chlorite. Plagioclase shows moderate clays. Zone also shows strong silicification. Fractures show intense chl, strong ep ± clays.	50348	31.0	33.8	9.45	10.30	2.8	0.85	.00	.00	.00
33.8-34.6	10.30-10.55	ALTERED GRANITE Zone of weak to moderate chlorite, with plag showing kaolin + chlorite. Fractures chlorite ± clays.										
34.6-44.3	10.55-13.50	ALTERATION, BRECCIA ZONE Zone of strong chlorite, with only partial textures visible. Zone shows moderate silicification & epidote. Fractures show intense chlorite ± clays.	50349	34.6	40.0	10.55	12.19	5.4	1.65	.00	.05	.16
			50350	40.0	44.3	12.19	13.53	4.3	1.31	.00	.02	.00
44.3-44.8	13.50-13.66	APLITE DYKE (?) at 85° to core. Dyke shows intense chlorite epidote	54101	44.3	44.8	13.50	13.66	0.5	0.15	.06	.00	.10
44.8-45.9	13.66-13.99	ALTERED GRANITE Zone of moderate chloritic alt. with k-feldspar remaining pink. Plag. show chlorite + kaolinite. Weak epidote also visible. Fractures chlorite ± clays.										
45.9-47.0	13.99-14.33	ALTERATION GOUGE ZONE Zone of pervasive chlorite, with strong clays in gouges. Original textures destroyed	54102	45.9	47.0	13.99	14.33	1.1	0.34	.00	.06	.00
47.0-49.5	14.33-15.09	APLITE DYKE at 85° to core. Dyke shows weak epidote.										
49.5-50.9	15.09-15.51	ALTERED GRANITE Zone of moderate epidote, chlorite alteration with plag. showing both epidote & chlorite. K-spar remains pink, just clays alog rims.										

HOLE No. A-31 PAGE ____

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
50.9- 52.0	15.51- 15.85	APLITE DYKE at 75° to core. Dyke shows moderate epidote.												
52.0- 52.6	15.85- 16.03	ALTERED GRANITE as 49.5 - 50.9 ft.												
52.6- 53.4	16.03- 16.28	APLITE DYKE at 50° to core. Dyke shows weak epidote.												
53.4- 56.9	16.28- 17.07.	ALTERED GRANITE Zone of weak chl'c alt. in which plag. shows chlorite & kaolin. Fractures show chl ± clays.												
56.9- 62.9	17.07- 19.17	APLITE DYKE at 45° to core..Dyke shows weak to mod. chlorite.												
62.9- 64.5	19.17- 19.66	ALTERED GRANITE Zone of strong to mod. chl'c alt. with the k-spar remaining relatively pink. Plag. shws kaolin masked by chlorite. Fractures show chorite ± clays. Gouge at 64.1'.	54103	62.9	64.5	19.17	19.66	1.6	0.49	.06	.04	.06		
64.5- 65.8	19.66- 20.06	ALTERED GRANITE Zone of weak chl'c alt. with plag. showing partial alt. to kaolin ± chlorite. Fractures show weak chlorite + clays.												
65.8- 66.1	20.06- 20.15	APLITE DYKE APLITE DYKE at 75° to core. Dyke showsmoderate epidote.												
66.1- 68.8	20.15- 20.97	ALTERED GRANITE as 64.5 - 65.8												
68.8- 69.4	20.97- 21.15	GOUGE ZONE Zone of pervasive clays and chlorite	54104	68.8	69.4	20.97	21.15	0.6	0.18	.00	.10	.07		
69.4- 70.0	21.15- 21.34-	APLITE DYKE at 70° to core. Dyke shows weak epidote.												
70.0- 71.6	21.34- 21.82	ALTERED GRANITE as 64.5 - 65.8.												

HOLE No. A-31 PAGE ____

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS
71.6 - 80.0	21.82- 24.38	GRANITE PORPHYRY Fresh Granite.							
		E.O.H. 80 feet., 24.36m							

DIAMOND DRILL LOG

PROPERTY: Arlington
LOGGED BY: T. Henneberry
DATE LOGGED: July 25/81
DATE COLLARED: July 19/81
DATE COMPLETED: July 20/81

HOLE NO.: A-32
LOCATION: 16+40N
AZIMUTH: 304.18°
DIP AT COLLAR: -39.0°
DEPTH: 58'/17.68m

DIP TESTS
____° AT ____'
____° AT ____'
____° AT ____'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
0-2.0	0-0.61	CASING										
2.0-14.3	0.61-4.36	ALTERED GRANITE Zone of strong chl'c, ep'c, alt. & moderate siliciation. Plag. and mafics are chl'd/ep'd. K-spar shows partial alt. to ep/chl. Fractures show chl ± epidote ± clays. Traces gl, sp & py.	53996	2.0	8.0	0.61	2.44	6.0	1.83	.17	.02	.04
			53997	8.0	14.3	2.44	4.36	6.3	1.83	.06	.00	.04
14.3-19.3	4.36-5.88	ALTERED GRANITE Zone of strong chl'c, ep'd alt. with k-spar showing complete ep'n. Plag. shows chl'epidote. Weak silicification. Fractures chl ± epidote ± clays. Traces gl.	53998	14.3	19.3	4.36	5.88	5.0	1.52	.06	.07	.07
19.3-24.6	5.88-7.50	ALTERED GRANITE Zone of intense chl'c/epi'c alt. The alt. are similar to the above zones, but the textues are destroyed in this unit. Traces Gl.	53999	13.3	24.6	5.88	7.50	5.3	1.62	.06	.06	.11
24.6-25.8	7.50-7.86	APLITE/PEGMATITE DYKE at 70° to core. The dyke shows moderate ep and moderate argillic alt.										
25.8-28.9	7.86-8.81	ALTERED GRANITE Zone of pervasive chl'c alt. Textures destroyed Heavily fractured qtz. Fractures chl ± clays. Traces gl.	54000	25.8	28.9	7.86	8.81	3.1	0.94	.12	.05	.07
28.9-30.2	8.81-9.20	ALTERED GRANITE Zone of moderate chl'c/argillic alt. Plag shows kaolinite/chlorite. K-spar show clay along crystal rims and fractures. Fractures chl/clays.										
30.2-30.8	9.20-9.39	ALTERED GRANITE Zone of strong chl'c, ep'c, arg'c alt. K-spar chlorite/epidote, plagioclase chlorie/clays. Fractures show clays + chlotte.	53451	30.2	30.8	9.20	9.39	0.6	0.18	.12	.01	.00

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET From	FEET To	METERS From	METERS To	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
30.8–36.2	9.39–11.03	ALTERED GRANITE Zone of moderate chl'c arg'c alt.Similar to 28.9 to 30.2. This zone shows a stronger chl'c alt.										
36.2–38.8	11.03–11.83	ALTERED GRANITE Zone of strong chl'c alt., with the k-spar remaining partially pink. K-spar also shows some clays as well as the chlorite.Fractures show chlorite ± clays. There is a 0.1' gouge at 38.5 feet.	53952	36.2	38.8	11.03	11.83	2.6	0.79	.06	.01	.00
38.8–39.5	11.83–12.04	PEGMATITE DYKE at 80° to core. Dyke is broken up but relatively fresh.										
39.5–42.3	12.04–12.89	ALTERED GRANITE Zone of moderate chl'c argillic alt. as 30.8–36.2										
42.3–43.4	12.89–13.23	ALTERED GRANITE Zone of strong to pervasive chl, marked by numerous gouge zones. K-spar is only partially chl'd.	53953	42.3	43.4	12.89	13.23	1.1	0.34	.17	.07	.13
43.4–45.5	13.23–13.87	ALTERED GRANITE Zone of mod. chl'c/ arg'c alt. as 28.9 - 30.2'.										
45.5–47.1	13.87–14.36	ALTERED GRANITE Zone of strong to pervasive chl'c/argc/ep'c alt. marked by numerous gouge zones. Original textures are destroyed.	53954	45.5	47.1	13.87	14.36	1.6	0.49	.17	.03	.07
47.1–49.4	14.36–15.06	ALTERED GRANITE Zone marked by weak kao'n of plag. also very weak chl. K-spar shows clays on rims & fractures Fractures show chlorite ± clays.										
49.4–49.9	15.06–15.21	PEGMATITE DYKE at 70° to core. Dyke show weak chlorie/epidote.										
49.9–50.9	15.21–15.51	ALTERED GRANITE Zone of weak to mod. chl'c/arg'c alt. as 28.9–30.2										

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS
50.9-58.0	15.51-17.68	GRANITE PPY Fresh granite comprised of 30% k-feldspar (predominantly as phenocrysts; less han 4cm); 35 - 40% Plagioclase,; 10 - 15% mafics (chl'd) and 15% quartz. Fractures show weak chlorite ± clays. 58.0'/ 17.68m E.O.H.							

SVEINSON WAY MINERAL SERVICES LTD. — DIAMOND DRILL LOG — PAGE 1

53948-53950 53901-53911

PROPERTY	Arlington	HOLE No.	A-33
LOGGED BY	T. Henneberry	LOCATION	16+40 n
DATE LOGGED	July 25, 1981	AZIMUTH	307.24°
DATE COLLARED	July 16, 1981	DIP AT COLLAR	+19.0°
DATE COMPLETED	July 17, 1981	DEPTH	78ft/23.77m

DIP TESTS

____° AT ____'
____° AT ____'
____° AT ____'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
0-1.0	0-0.30	GRANITE PORPHYRY Zone of fresh granite composed of 30% K-feldspar (predominantly as phenocrysts; less than 4 cm); 35-40% plagioclase; 10-15% mafics(chloritized); and 15% quartz. Fractures show very weak chlorite and clays.										
1.0-10.0	0.30-3.05	ALTERED GRANITE Zone of weak chloritic alteration/silicification Plag shows chlorite/kaolinite. K-feldspar shows clays on crystal rims and fractures. Fractures show strong chlorite ± clays.	53948 53949	1.0 5.5	5.5 10.0	0.30 1.68	1.68 3.05	4.5 4.5	1.37 1.37	.06 .12	.01 .00	.02 .02
10.0-13.0	3.05-3.96	APLITE DYKE At 90° to core. The last 1.0 ft of the dyke show strong chlorite/epidote.										
13.0-16.8	3.96-5.12	ALTERATION, SULFIDE ZONE Zone of pervasive chloritic alteration, with original textures destroyed. There are seams of galena (0.1ft wide) throughout the unit. Also visible Ag.	53950	13.0	16.8	3.96	5.12	3.8	1.16	2.74	.63	2.28
16.8-20.0	5.12-6.10	ALTERATION, QUARTZ, SULFIDE ZONE Zone of ubiquitous quartz, chlorite. Original textures destroyed. Zone carries 1% gl.	53901	16.8	20.0	5.12	6.10	3.2	0.98	.17	.68	.27
20.0 29.6	6.10 9.02	ALTERED GRANITE Zone of pervasive chlorite, weak to moderate epidote. Quartz shows heavy fracturing indicating movement. All original textures are destroyed. Traces gl	53902 53903	20.0 25.0	25.0 29.6	6.10 7.62	7.62 9.02	5.0 4.6	1.52 1.40	.09 .12	.28 .32	.14 .38
29.6-40.1	9.02-12.22	ALTERED GRANITE The zone has sporadic horizons of ubiquitous	53904	29.6	35.0	9.02	10.67	5.4	1.65	.06	.07	.14

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET From	FEET To	METERS From	METERS To	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
		quartz. Pervasive chlorite, strongepidote. There is also a 2-3% $CaMg(CO_3)_2$. Original textures destroyed. Quartz shows heavy fracturing as above. Traces gl and sp.	53905	35.0	40.1	10.67	12.22	5.1	1.55	2.16	490	4.16
40.1-42.8	12.22-13.05	ALTERED GRANITE Zone of moderate chloritic alteration, Plagioclase and mafics are chloritized. K-feldspar looks extremely fresh(secondary?). Thee is also 1-3% matrix K-feldspar. Fractures show strong chlorite.	53906	40.1	42.8	12.22	13.05	2.7	0.82	.00	.01	.01
42.8-46.7	13.05-14.23	ALTERED GRANITE Zone of weak alteration. Plagioclase shows kaolinite ± chlorite. Plag shows clays along crystal rims and fractures. There is 5% matrix K-feldspar. Fractures chlorite ± hematite ± clays.										
46.7-47.6	14.23-14.51	PEGMATITE DYKE at 70° to core. Dyke remains fairly fresh.										
47.6-52.5	14.51-16.06	ALTERED GRANITE Zone of weak alteration as 42.8-46.7										
52.7-54.6	16.06-16.64	GRANITE PORPHYRY Predominantly fresh granite. Fractures show chlorite.										
54.6-62.4	16.64-19.02	ALTERED GRANITE Zone of weak alteration as 42.8-46.7.										
62.4-63.7	19.02-19.42	ALTERED GRANITE Zone of strong chloritic alteration, with only K-feldspar being partially pink. There is a 0.1 ft gouge at 63.6 ft. Fractures show strong chloritet clays.	53907	62.4	63.7	19.02	19.42	1.3	0.40	.06	.02	.01
63.7-68.1	19.42-20.76	ALTERED GRANITE Zone of moderate alteration. Plag shows kaolin and weak chlorite. There is an increase (to 20%) of matrix K-feldspar. K-spar phenocrysts show clays along rims and fractures. Fractures show weak chlorite ± clays.	53908	63.7	68.1	19.42	20.76	4.4	1.34	.00	.00	01

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
68.1- 69.5	20.76- 21.18	ALTERED GRANITE Zone of moderate chloritic alteration, with K-feldspar showing moderate clays. Plagshows clays and chlorite. Fractures show chlorite and clays. The last 0.3 ft of unit is a gouge zone.	53909	68.1	69.5	20.76	21.18	1.4	0.43	.06	.02	.01
69.5- 72.8	21.18- 22.19	ALTERATION, GOUGE ZONE Zone of pervasive chlorite, with original textures destroyed. There is a vertical gouge running thoughout the unit. Quartz is fractured heavily (indicative of movement).	53910	69.5	72.8	21.18	22.19	3.3	1.01	.06	.03	.05
72.8- 74.1	22.19- 22.59	ALTERED GRANITE Zone of moderate alteration/silicification. Plag shows kaolinate and weak chlorite. K-feldspar shows weak clays. Fractures show chlorite and clays.										
74.1- 77.1	22.59- 23.50	ALTERED GRANITE Zone of strong chloritic alteration/silicification with only partial texture preservation. Both plag and K-spar show chlorite. Fractures show chlorite ± clays.	53911	74.1	77.1	22.59	23.50	3.0	0.91	.06	.00	.01
77.1- 78.0	23.50 23.77	APLITE DYKE at 90° to core. Dyke is fairly fresh.										
		78.0 ft EOH 23.77 m										

PROPERTY: Arlington
LOGGED BY: H. Keyser
DATE LOGGED: June 21/81
DATE COLLARED: June 13/81
DATE COMPLETED: June 23/81

HOLE NO.: A-34
LOCATION: 16+35n
AZIMUTH: 272°
DIP AT COLLAR: -72°
DEPTH: 131.0'/39.93m

DIP TESTS
___° AT ___'
___° AT ___'
___° AT ___'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
0-2.0	0-0.61	CASING										
2.0-7.5	0.61-2.29	ALTERED GRANITE Weakly alt. granite ppy. Mafics chl'd, plag in argillic K-spars are silicified. BROKEN CORE CI= 15.										
7.5-16.5	2.29-5.03	ALTERED GRANITE Strongly alt. granite ppy. Strongly chl'd & ep'd groundmass altered, k-spars, but are still recognizable. Rounded qtz grains. Core is locally fractured.	54291	7.5	12.0	2.29	3.66	4.5	1.37	.03	.01	.03
			54292	12.0	16.5	3.66	5.03	4.5	1.37	.06	.00	.00
16.5-18.6	5.03-5.70	QUARTZ SULFIDE ZONE Zone of ubuiquitous qtz as vein and fracture fillings. Epidote & carbonates present. Visible Gl and Sp. (less than 2%)	54293	16.5	18.6	3.66	5.7 ⓓ	2.1	0.64	3.14	.40	43
18.6-25.3	5.70-7.71	ALTERED GRANITE Intensely alt. granite ppy. Main alt. product is ep., also chl. and clays. Numerous small qtz stringers. Original textures destroyed.	54294	18.6	23.1	5.70	7.04	3.5	1.07	.06	04	.05
			54295	23.1	25.3	7.04	7.71	3.2	0.97	.00	.02	02
25.3-29.4	7.71-8.96	ALTERED GRANITE Moderately alt. granite ppy. Mafics chl'd. plag. ep'd. K-spar remains euhedral. CI= 25.										
29.4-30.3	8.96-9.24	ALTERED GRANITE Strongly alt. granite ppy, where k-spar remains just barely recognizable. Original textures mostly destroyed. Main alt. product is epidote; also present are chl & clays	54296	29.4	30.3	8.96	9.24	0.9	0.27	.00	.01	.01
30.3-32.0	9.24-9.75	ALTERED GRANITE Mod. altered granite ppy, where k-spar is only slightly alt. Epidotized & chloritized groundmass CI= 15	54297	30.3	32.0	9.24	9.75	1.7	0.52	06	.00	.01

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
32.0-33.1	9.75-10.09	GRANITE PPY Reasonably fresh granite, where only indication of alt. lies in chl'd mafics. CI= 10.										
33.1-33.8	10.09-10.30	ALTERED GRANITE Moderately alt. granite ppy, ep'd & chl'd groundmass, alt but recognizable k-spar s.	54298	33.1	33.8	10.09	10.30	0.7	0.21	.00	00	.00
33.8-37.4	10.30-11.40	GRANITE PPY Weakly alt. granite, only mafics are alt. to chlorite. Original textures preserved. CI= 15.										
37.4-43.8	11.40-13.35	ALTERED GRANITE Mod. to strong alt. of granite ppy. Chl'n of mafics epidotization of plagioclase. K-spars are somewhat alt.,	54299	37.4	40.6	11.40	12.37	3.2	0.98	.00	.00	00
		numerous discordant qtz stringers.	54300	40.6	43.8	12.37	13.35	3.2	0.98	.06	.01	.04
43.8-44.6	13.35-13.59	ALTERED PEGMATITIC GRANITE Epidotized k-spar contitutes 70%, original qtz 20%, & chl'd groundmass 10%.										
44.6-51.1	13.59-15.58	ALTERED GRANITE Strongly alt. granite ppy. k-spars are well alt. and just barely recognizable. Groundmass is chl'd, ep & clays present as well. BROKEN CORE. 5 ft. missing.	54251	44.6	51.1	13.59	15.58	6.5 (1.1' missing)	1.98	.06	.01	.04
51.1-54.0	15.58-16.46	ALTERED GRANITE Weakly to moderately alt. granite ppy. Mafics chl'd, plag ep'd, k-spars have lost some of original pink color. CI=15. Original textures preserved.										
54.0-62.5	16.46-19.05	ALTERED GRANITE Weakly alt. granite ppy. Essentially similar to 51.1 - 54.0, except that k-spars retain original color. CI= 15.										
62.5-62.7	19.05-19.11	PEGMATITIC GRANITE K-spar 90%; epidotized.										
62.7-63.5	19.11-19.35	ALTERED GRANITE Strong alt. of granite ppy. Chl'd mafics, ep'd plagioclase alt. k-spars. Original textures preserved. CI= 20.	54252	62.7	63.5	19.11	19.35	0.8	0.24	.06	.00	.01

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
63.5-68.9	19.35-21.00	ALTERED GRANITE Weakly alt. granite ppy. Mafics are chl'd, and plag shows some epidotization. Texture and remaining minerals remain origianal. Small mafic dike at 25° to c.a. at 68.8 feet. CI= 15.												
68.9-70.2	21.00-21.40	ALTERED GRANITE Moderate alt. Similar to 63.5 - 68.9, but plag is more thoroughly ep'd and k-spar has lost some color. Original textures preserved.												
70.2-71.8	21.40-21.88	ALTERED GRANITE Stronly alt. granite ppy. Groundmass is mainly Chl'd, but also some epidote. K-spars have lost some of their color but remain recognizable. Original textures mostely destroyed. CI= 30.	54253	70.2	71.8	21.40	21.88	1.6	0.49	.06	.04	.05		
71.8-72.6	21.88-22.13	ALTERED PEGMATITE Zone of intense epidotic alt. of k-spar in pegmatite	54254	71.8	72.6	21.88	22.13	0.8	0.24	.00	.00	.00		
72.6-73.6	22.13-22.43	PEGMATITIC GRANITE Reasonably fresh k-spar rich granite (pegmatite)												
73.6-77.3	22.43-23.56	ALTERED GRANITE Mod to strong alt. of granite ppy. Mafics are chl'd, plag epidotized. K-spar retains some original color and remains euhedral. Original textures preserved. CI= 15.	54255	73.6	77.3	22.43	23.56	3.7	1.13	.06	.00	.03		
77.3-77.8	23.56-23.71	PEGMATITIC GRANITE as at 72.6 - 73.6												
77.8-79.1	23.71-24.11	ALTERED GRANITE Moderately alt. granite ppy. Mafics are chl'd, plag ep'd K-spars remain original. Original textures preserved.	54256	77.88	79.1	23.71	24.11	1.3	0.40	.06	.00	.01		
79.1-79.3	24.11-24.17	ULTRAMAFIC INCLUSION Probably a dike, with sharp contacts on both ends.												
79.3-93.5	24.17-28.50	ALTERED GRANITE Weakly alt. granite ppy. Main alt. is chl'n of mafics, but also a little weak ep'n, of plag. k-spars are generally euhedral & original. Original textures preserved.												

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET From	FEET To	METERS From	METERS To	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
93.5-102.7	28.50-31.30	ALTERED GRANITE Mod. chloritic and epidotic alt. of granite ppy. K-spar has lost some color, while mafics and plag. are strongly alt. Original textures preserved. Clays present in fractures.										
102.7-103.8	31.30-31.64	ALTERED GRANITE Strongly alt. granite ppy. completely chl'd and ep'd groundmass, alt k-spar, which remains barely recognizable. Rounded qtz. Most original textures destroyed.	54257	102.7	103.8	31.30	31.64	1.1	0.34	.06	.00	.00
103.8-106.5	31.64-32.46	ALTERED GRANITE Moderate alt. of granite ppy. Mafics chl'd, plag ep'd, k-spar has lost some of original color. Original textures preserved. CI= 20.										
106.5-108.9	32.46-33.20	ALTERED GRANITE Strong alt. of granite ppy. groundmass is intensely chl'd k-saprs have lost considerable color; qtz grains are rounded. Some original textures preserved. Some small qtz stringers present.	54258	106.5	108.9	32.46	33.19	2.4	.73	.06	.01	.03
108.9-116.6	33.20-35.54	ALTERED GRANITE Moderately alt. granite, essentially similar to 103.8 - 106.5										
116.6-118.0	35.54-35.97	ALTERATION/SHEAR/GOUGE ZONE Zone of intensely sheared and altered 'plastic' fault gouge.	54259	116.6	118.0	35.54	35.97	1.4	0.43	.41	.16	.38
118.0-118.6	35.97-36.15	ALTERED GRANITE Moderate to strong alt. of granite ppy. Chl'd and ep'd groundmass, slightly alt. k-spar. Original textures somewhat preserved. CI= 20.	54260	118.0	118.6	35.97	36.15	0.6	0.18	.06	.00	.02
118.6-119.3	36.15-36.36	ALTERATION/SHEAR ZONE Strongly alt. & sheared granite ppy. Original textures destroyed. Fault gouge present at 118.6 - 118.7.	54261	118.6	119.3	36.15	36.36	0.7	0.21	.06	.03	.02
119.3-120.1	36.36-36.61	ALTERED GRANITE Moderate to strongly alt. granite ppy, as at 118.0-118.6	54262	119.3	120.1	36.36	36.61	0.8	0.24	.00	.01	.01

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
120.1- 121.0	36.61- 36.88	ALTERATION/SHEAR/GOUGE ZONE Zone of intensely sheared & alt. 'plastic' fault gouge	54263	120.1	121.0	36.61	36.88	0.9	0.27	.35	.09	.15		
121.0- 131.0	36.88- 39.93	ALTERED GRANITE Weakly alt. granite ppy. Main evidence of alt. is chl'n of mafics. Plagioclase and quartz reasonably euhedral and unaltered CI= 15. E.O.H. at 131.0 feet.												

PROPERTY: Arlington
LOGGED BY: H. Keyser
DATE LOGGED: June 14/81
DATE COLLARED: June 7/81
DATE COMPLETED: June 12/81

HOLE NO.: A-35
LOCATION: 16+35n
AZIMUTH: 272.2°
DIP AT COLLAR: -50.4°
DEPTH: 1040ft/317.0m

DIP TESTS
____° AT ____'
____° AT ____'
____° AT ____'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
0.- 6.2	0- 1.89	ALTERED GRANITE Weak to mod. alt. of granite ppy. Mafics are well chloritized, plagioclase somewhat epidotized, K-spars are occassionally kaolinized at margins. 3' of grind at 0.603.6' CI= 15.	A-118	0.0	6.2	0.0	1.89	6.2	1.89	.06	.01	.02
6.2- 7.9	1.89- 2.41	PEGMATITIC GRANITE Zone of mod. alt. sheared, synchronous pegmatite. Mafics are completely chloritized, k-spars are sheared, and kaolinized. Some epidote present in plag. Mineralogic composition: 35% k-spar, 40% qtz, 10% plagioclase, 5% mafics.										
7.9- 11.4	2.41- 34.7	ALTERED GRANITE Weak chloritic & epidotic alt. of granite ppy. Prominent, well preserved euhedral k-spars presend throughout. Mafics are chloritized, epidote occurs in interstitial spaces & some plag. Qtz. appears original, along with preserved textures.	A-119	7.9	11.4	1.89	3.47	3.5	1.07	.06	.01	03
11.4- 12.4	34.7- 3.78	ALTERED GRANITE Strongly alt. somewhat sheared granite porphyry. Some original tex. preserved. K-spars completely destroyed. Epidote is prominent in felsic minerals, chlorite in mafics & fractures.	A-120	11.4	12.4	3.47	3.78	1.0	0.30	00	.02	.05
12.4- 13.4	3.78- 4.08	ALTERED GRANITE Moderately alt. granite ppy. Chloritized mafics, epidotized plag, slightly kaolinized k-spar CI = 15.	A-121	12.4	13.4	3.78	4.08	1.0	0.30	12	.01	02
13.4- 15.2	4.08- 4.63	ALTERED GRANITE Strong alt. of porphyritic granitic to mainly epidote, some chlorite & clays. K-spars alt., but still recognizable. Epidotized groundmass (mafics & plag.) Original textues partially preserved. CI= 15.	A-122	13.4	15.2	4.08	4.63	1.8	0.55	06	01	.02

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
15.2-20.3	4.63-6.19	ALTERED GRANITE Intensely alt. granite ppy. complete alt. of groundmass to chlorite & epidote, where the only recognizable mineral remaining is qtz. Most original textures destroyed.	A-123	15.2	20.3	4.63	6.19	5.1	1.55	00	.02	.03		
20.3-21.4	6.19-6.52	SULFIDE ZONE Qtz vein with up to 20% mineralizatin of Sp and Gl. Non-qtz minerals are strongly epidotized. Mineralization occurs in clusters. Original textures destroyed. May be mineralized vein present at 21.0-21.4, which appears to show post. mineralization shearing.	A-124	20.3	21.4	6.19	6.52	1.1	0.34	.47	2.51	4.25		
21.4-40.3	6.52-12.28	SILICEOUS BRECCIA Strong alt. granite ppy, sheared & brecciated throughout. A few local k-spars rmain recognizable. but are strongly kaolinitized. Some discordant fractures present. Kaolinization & 23.6, 24.7, 33.7, 39.5' indicative of local minor shearing. Epidote is main alt. product, with chlorite & qtz. present as well, esp. at fractures.	A-125	21.4	25.4	6.52	7.74	5.0	1.52	.17	.15	.08		
			A-126	25.4	35.3	7.74	10.76	8.9	2.71	.03	.05	.03		
			A-127	35.3	40.3	10.76	12.28	5.0	1.52	.12	.10	.23		
40.3-43.4	12.28-13.23	APLITE DYKE Strongly epidotized aplite with visible SP AND GL, at 40.3-42.0, numerous discordant qtz. stringers present throughout, where mineralization is found.		40.3	43.4	12.28	13.23	3.1	0.94	.03	.04	.19		
43.4-44.0	13.23-13.41	ALTERED GRANITE Strong to intense alt. of granite ppy. Mafics and plagioclase are thouroughly alt. to chlorite and epidote. Qtz. crystals are rounded but unaltered. K-spars are almost completely alt. CI-= 30.	A-129	43.4	44.0	13.23	13.41	0.7	0.21	.03	04	19		
44.0-51.2	13.41-15.61	ALTERED GRANITE Weakly alt. granite ppy. Chloritized mafics, slightly epidotized plg. Original textures preserved, euhedral crystals. GI = 10.	A-130	44.0	49.0	13.41	14.94	5.0	1.52	.06	.02	10		

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn	Au
51.2-52.6 =	15.61-16.03	ALTERED GRANITE Zone of strong chloritic alt. with the k-feldspar only partially preserved. The crystals (qtz, k-spar) are strongly fractured indicating movement. Fractures show strong chlorite. Fractures also show gouge accumulations. There is visible py along 40% of fractures.	A-131	51.2	52.6	15.61	16.03	1.2	0.37	.12	.06	.08	< 005
52.6-53.5	16.03-16.31	ALTERED GRANITE Zone of strong chloritic alt. marked by only partial chloritization of k-spar. Fractures show moderate chlorite. Zone has been silicified.	A-132	52.6	53.5	16.03	16.31	0.9	0.27	.03	.01	.01	
53.5-58.3	16.31-17.77	ALTERED GRANITE Zone of moderate to strong chloritic alt. with plag. and mafics chloritized. K-spar ranges from fresh to partial chloritization. Fractures show strong chlorite. There are 0.1 ft. gouge zones and 57.6 and 57.9 feet. There is a 3 ft. grind within this unit.	A-133	53.5 (3' Missing)	58.3	16.31	17.77	4.8	1.46	00	.02	.01	
58.3-59.3	17.77-18.07	ALTERED GRANITE Zone of strong chloritic alt. marked by partial chloritization of the k-feldspar. The entire zone has been silicified.	A-134	58.3	59.3	17.77	18,07	1.0	0.30	.03	.01	.02	
59.3-60.1	18.07-18.32	ALTERED GRANITE Zone of strong chloritic alt. marked by partial chloritization of the k-feldspar. Fractures show strong chlorite.	A-135	59.3	60.1	18,07	18.32	0.8	0.24	.00	.01	.02	
60.1-68.3	18.32-20.82	GRANITE PPY Z one of weak chloritic alt. marked by chloritization of the mafics, and partial chloritization of plagioclase. Plag. also show kaolinization. Fractures show weak to moderate chlorite t/r hematite.											
68.3-69.2	20.82-21.09	FELSITE DYKE at 40° to core. Shows minor clays along fractures.											
69.2-74.4	21.09-22.68	GRANITE PPY Zone of weak chloritic alt. marked by chloritization of the mafics & partial chloritization of the plagioclase Plag. also shows weak kaolinization. Fractures show strong chlorite +/- hematite.											

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET From	FEET To	METERS From	METERS To	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
74.4-75.9	22.68-23.13	ALTERED GRANITE Zone of strong chloritic alt. marked by partial chloritization of the k-feldspar. Fractures show intense chlorite +/- hematite. There is a 1' wash within this unit.	A-136	74.4 (1' missing)	75.9	22.68	23.13	1.5	0.46	.06	01	.02
75.9-81.8	23.13-24.93	GRANITE PPY Zone of weak chloritic alt. marked by chloritization of the mafics and partial chloritization of the plagioclase. Plag. also shows weak kaolinization. Fractures show strong chlorite +/- hematite.										
81.8-86.7	24.93-26.43	ALTERED GRANITE Zone of strong chloritic alt. marked by partial preservation of the k-feldspar. The core seems to show a gouging effect on its exterior. There is a 0.1 ft. gouge at 86.6-86.7 ft. Fractures show strong chlorite.	A-137	81.8	86.7	24.93	26.43	4.9	1.49	.00	.01	02
86.7-93.1	26.43-28.38	ALTERED GRANITE Zone of moderate alt. in which the mafics are chloritized and the plag. is kaolinized. The k-feldspar seems fairly fresh. The plag can also carry some chlorite along with the kaolin. Fractures show moderate chlorite +/- hematite. There is a 0.1 ft. gouge zone at 89.9 ft.	A-138	86.7	93.1	26.43	28.38	6.4	1.95	00	02	03
93.1-109.0	28.38-31.70	GRANITE PPY Zone of weakly altered granite. The mafics show chloritization. The plagioclase shows clays and chlorite. Fractures show chlorite +/- clays +/- hematite.										
		104.0 ft., 31.70m E.O.H.										

PROPERTY: Arlington
LOGGED BY: H. Keyser
DATE LOGGED: June 10/81
DATE COLLARED: June 7/81
DATE COMPLETED: June 9/81

HOLE NO.: A-36
LOCATION: 16+35n
AZIMUTH: 272.9
DIP AT COLLAR: -27.3°
DEPTH: 102.0 ft./31.09m

DIP TESTS
___° AT ___'
___° AT ___'
___° AT ___'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals in feet)	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn	Au
0-11.7	0- 3.57	ALTERED GRANITE Moderately alt. granite ppy. original textures preserved, some k-spars show some grey alt, particularly at crystal margins. Mafics are completely chloritized, plag. crystals have undergone some epidotization. CI= 20.	A-067	0	6.0	0	1.83	6.0	1.83	.00	.00	.00	
			A-068	6.0	11.7	1.83	3.57	5.7	1.74	.06	.00	.00	
11.7-22.1	3.57-6.74	ALTERED GRANITE Zone of intensely alt. granite ppy. K-spars are fractured & strongly alt. Groundmass (plag + mafics) is intensely epidotized & chloritized. Qtz. crystals are well rounded Predominant groundmass alt. is ep, chl. is most predominent in fractures. Most of this section of core is evidently brecciated. CI= 15.	A-069	11.7	17.9	3.57	5.46	5.2	1.58	.06	.04	.03	
			A-070	17.9	22.1	5.46	6.74	5.2	1.58	.12	.03	.01	
22.1-35.7	6.74-10.88	ALTERED GRANITE Essentially similar to 11.7-22.1, but has visible sulfides (gl, py, Sp) and Ag, partially at 22.1 - 23.5. Mineralization is both concentrated in fractures and dissemenated through groundmass. Entire zone is intensely altered, (Sp, greater than chl.) as well as brecciated.	A-071	22.1	24.0	6.74	7.32	2.9	0.88	3.09	.80	.20	<.005
			A-072	24.0	30.0	7.32	9.14	6.0	1.83	.12	.06	.09	<.005
			A-073	30.0	35.7	9.14	10.88	5.7	1.74	.06	.05	.02	<.005
35.7-37.8	10.88-11.52	ALTERATION/SHEAR/GOUGE ZONE Zone of intense chl. + ep. alt. with shearing throughout, and some fault gouge present. Completely alt. & silicified k-spars, recrystallized fractured qtz. Chlorite filled fractures, Qtz. stringers. CI varies: 20-40. Original textures destroyed.	A-074	35.7	37.8	10.88	11.52	2.1	0.64	00	.08	.05	
37.8-38.1	11.52-11.61	PEGMATITIC GRANITE Sheared & epidotized synchronous pegmatite. CI= 15.	A-075	37.8	38.1	11.52	11.61	0.3	0.09	06	.03	.00	
38.1-44.1	11.61-13.44	ALTERED GRANITE Mylonitic, intensely alt. granite ppy. direction of mylonization = 70° to core. Complete chloritization & epidotization of groundmass. K-spars are moderately altered, qtz rounded, CI=20. Original textures destroyed.	A-076	38.1	44.1	11.61	13.44	6.0	1.83	.06	.01	01	

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
44.1-44.7	13.44-13.62	ALTERED GRANITE Moderately alt. gr. ppy. Chloritized mafics, epidotized plag, more or less preserved k-spars. Recrystallized qtz. grains. Original textures preserved. CI= 20.	A-077	44.1	44.7	13.44	13.62	0.6	0.18	.00	.00	.00
44.7-48.0	13.62-14.63	ALTERED GRANITE Intensely alt. granite ppy. Mafics & plag. thourougly alt. to chl. ep, & some clay. Most k-spars alt. as well, some minor local brecciation & shearing. Original textures partially preserved. CI= 20.	A-078	44.7	48.0	13.62	14.63	3.3	1.01	.06	.01	.01
48.0-51.0	14.63-15.54	ALTERED GRANITE Strong alt. of gr. ppy exhibited. Mafics chloritized, Plag epidotized. K-spars somewhat alt. as well especially at margins. Qtz is somewhat sheared & rounded. Original textures preserved. CI= 20.	A-079	48.0	51.0	14.63	15.54	3.0	0.91	.00	.00	.00
51.0-52.3	15.54-15.94	PEGMATITIC GRANITE Weakly alt. synchronous granite. Epidote alt. & chlorite along fractures. CI less than 5.	A-080	51.0	52.3	15.54	15.94	1.3	0.40	.00	.00	.00
52.3-52.8	15.94-16.09	ALTERED GRANITE Strongly alt. (mainly chlorite) granite ppy. K-spars altered, some epidote in plag & fractures. Qtz grns rounded but origianal textures preserved. Small kaolinitized shear-present at 52.8. CI= 30.	A-081	52.3	52.8	15.94	16.04	0.5	0.09	.00	.03	.02
52.8-53.2	16.09-16.22	PEGMATIC GRANITE Slightly sheared, strongly epidotic synchronous pegmatite.	A-082	52.8	53.2	16.09	16.22	0.4	0.12	.06	.10	.18
53.2-59.7	16.22-18.20	ALTERED GRANITE Intensely alt. granite ppy. Qtz. is only recognizable mineral. Intense chloritization & epidotization. Some local brecciations present. Fault gouge at 55.4 and 56.1 ft. Original textures partially preserved. CI= 40.	A-083	53.2	56.4	16.22	17.19	3.2	0.98	.12	.12	.06
			A-084	56.4	59.7	17.19	18.20	3.3	1.00	.06	.06	.02
59.7-62.3	18.20-18.99	PEGMATITIC GRANITE Synchronous pegmatite locally well epidotized; chloritized & silicified throughout. Mostly k-spar, but qtz is abundant 59.7-60.0 ft. At 60.0, strong epidotized, sandy gouge, also 62.2 - 62.3. At 62.3, kaolinitized shear forms boundary with next lithology.	A0085	59.7	62.3	18.20	18.99	2.6	0.79	.12	.03	.00

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
62.3-65.0	18.99-19.81	ALTERED GRANITE Moderately alt, mainly chlorite in mafics, some epidote in plag. K-spars show v. slight alt. at margins. Qtz is original along with textures. CI= 20.	A-086	62.3	65.0	18.99	19.81	2.7	0.82	06	.00	.00		
65.0-74.3	19.81-22.65	PEGMATITIC GRANITE Essentially the same as 59.7 - 62.3 CI= 5.	A-087	65.0	67.0	19.81	20.42	4.0	1.22	00	.01	.00		
				72.3	74.3	22.04	22.65	4.0	1.22	.06	.02	04		
74.3-75.2	22.65-22.92	ALTERATION/SHEAR/GOUGE ZONE Zone of intense alt. & shearing. Sandy gouge present. All original textures destroyed. CI= 60.	A-088	74.3	75.2	22.65	22.92	0.9	0.27	.00	.01	.00		
75.2-76.2	22.92-23.23	PEGMATITIC GRANITE Epidotized, chloritized, silicified & somewhat fractured synchronous pegmatite CI=5.	A-089	75.2	76.2	22.92	23.23	1.0	0.30	.00	.01	.00		
76.2-78.1	23.23-23.80	ALTERED GRANITE Moderate to strong chloritic & epidotic alt. Mafics are chloritized, plag. epidotized. Original textures reasonably well preserved. Some kaolinization of k-spars. CI= 20.	A-090	76.2	78.1	23.23	23.80	1.9	0.58	.00	.00	.01		
78.1-78.5	23.80-23.93	PEGMATITIC GRANITE as at 75.2 - 76.2, but slightly more fractured.	A-091	78.1	78.5	23.80	23.93	0.4	0.12	.06	01	.00		
78.5-81.3	23.93-24.78	ALTERED GRANITE Moderate to strong chloritization & epidotization of granite ppy. Chlorite occurs as mafics & in fractures, epidote in plag. K-spars are locally alt., particularly at crystal margins. Kaolinized shear at 83.0, original textures preserved. CI= 30.	A-092	78.5	81.3	23.93	24.78	2.8	0.85	12	.00	.00		
81.3-81.7	24.78-24.90	ALTERATION/SHEAR/GOUGE ZONE Zone of intensely alt. fault gouge. Main alt. is chlorite All original textures destroyed.	A-093	81.3	81.7	24.78	24.90	0.4	0.12	.64	.21	.03		
81.7-82.4	24.90-25.11	ALTERED GRANITE Mod. alt. (chl greater than ep.) granite ppy. chloritized mafics & fractures. Epidotized plag. k-spar only slightly alt. at margins. Euhedral qtz, original textures CI= 25.	A-094	81.7	82.8	24.90	25.11	1.1	0,34	00	.00	00		

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
82.4-82.8	25.11-25.24	ALTERED GRANITE Zon e of moderate to strong alt. of granite ppy. K-spar has lost some color, & is fractured. Ubuiqitores chlorite alt., plag epidotized. Most original textures preserved. CI= 25.	A-139	82.4	82.8	25.11	25.24	0.4	0.12	.00	00	.00
82.8-87.8	25.24-26.76	PEGMATITIC GRANITE Fractured, weakly alt. pegmatite. Chlorite epidote & qtz filling fractures. K-spar = 90%. Includes 1' of "grind" at 85.1 - 86.1										
87.8-89.7	26.76-27.34	ALTERED GRANITE Weakly alt. granite ppy. Mafics are chloritized, but other minerals and textures remain original. CI= 15	A-140	87.8	89.7	26.76	27.34	1.9	0.58	.00	00	00
89.7-90.8	27.34-27.68	ALTERED GRANITE Strongly chloritized granite ppy. Groundmass of mafics and plagioclase is completely alt. to chlorite, while k-spars remain somewhat pink. Quartz grains remain original although somewhat rounded. K-spars are subhedral CI= 30.	A-141	89.7	90.8	27.34	27.68	1.1	0.33	.00	.00	.04
90.8-102.0	27.68-31.09	ALTERED GRANITE Light to moderate alt. (mainly chlorite) of granite ppy. Some k-spars show grey alt. at crystal margins. Original textures preserved. 2 small, nearly parallel to core aplite dykes at 101.4 - 102.0 CI= 20.	A-142	90.8	96.4	27.68	29.38	5.6	1.71	.00	00	.03
			A-143	96.4	102.0	29.38	31.09	5.6	1.71	.00	.00	.02
		102.0' or 31.09m E.O.H.										

PROPERTY: Arlington
LOGGED BY: H. Keyser
DATE LOGGED: July 21/1981
DATE COLLARED: July 11/81
DATE COMPLETED: July 15/81

HOLE NO.: A-37
LOCATION: 16+45N
AZIMUTH: 345.68°
DIP AT COLLAR: -66 0°
DEPTH: 125'/38.10m

DIP TESTS
___° AT ___'
___° AT ___'
___° AT ___'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE NO.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
0.0-2.0	0.0-0.61	CASING										
2.0-8.0	0.61-2.44	ALTERED GRANITE Weak alt., mainly chl'c of granite ppy. Chlorite accurs in mafics & fractures. K-spars have lost a little color. CI= 10. 3.4' of missing core between 2.0 & 7.0'. Fresh plag.										
8.0-8.8	2.44-2.68	PEGMATITIC GRANITE Weakly alt. k-spar rich pegmatite.										
8.8-12.9	2.68-3.93	ALTERED GRANITE Moderately alt. granite ppy. Chl'd mafics, plag. shows some ep'n, locally strong. K-spars have lost significant color. Original textnes preserved.										
12.9-18.9	3.93-5.76	ALTERED GRANITE Strong alt. of granite ppy. Chl'd mafics & fractures. Ep'd plag. & k-spar. Remnant k-spars remain euhedral, but are completely ep'd. Traces Gl. Some original textures preserved.	54013	12.9	18.9	3.93	5.76	6.0	1.83	.12	.04	.10
18.9-22.9	5.76-6.98	QUARTZ SULFIDE ZONE Qtz fracture fillings with up to 20% combined Gl and sp. Chl'd and ep"d groundmass, including K-spars. Some original textures locally preserved. Entire zone averages 2% sp and1% gl. Traces Py.	54014	18.9	22.9	5.76	6.98	5.0	1.52	6.41	58	177
22.9-37.0	6.98-11.28	ALTERED GRANITE Strongly alt. granite ppy. Chl. occus in mafics & fractures. Ep'd plag & k-spars. Qtz and calcite filled fractures. Traces gl & sp. Some original textures preserved.	54015	22.9	27.6	6.98	8.41	4.7	1.43	.06	.04	.07
			54016	27.6	32.3	8.41	9.84	4.7	1.43	.06	.04	.01
			54017	32.3	37.0	9.84	11.28	4.7	1.43	.06	.03	.03
37.0-39.1	11.28-11.92	ALTERED GRANITE Mod. alt of granite ppy. Completely chl'd mafic										

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
		minerals, ep'd plag. K-spar show orignal pinkness, but may be due to secondary enrichment. K-spars have gradational grain boundaries. Original textures preserved.										
39.1-55.9	11.92-17.04	ALTERED GRANITE Moderate to strong alt. of granite ppy. Predominant alt. is epidote which occurs in plag& k-spar, some in mafics. Remaining mafics chl'd Rounded Quartz. Most original textures preserved Clays on fractures.	54018	39.1	44.1	11.92	13.44	5.0	1.52	00	.01	.02
			54019	50.9	55.9	15.51	17.04	5.0	1.52	.06	01	.01
55.9-67.4	17.04-20.54-	ALTERED GRANITE Atrongly alt. granite ppy. Chl'c alt. predominate, occurs in mafics and plag. Some plag. appears to show chl. & epidote in th same crystal. K-spars have lost most cdor, with gradational grain boundaries. Carbonate bearing clays present on fractures. Some original textures preserved.	54020	55.9	61.6	17.04	18.78	5.7	1.74	06	.01	06
			54021	61.6	67.4	18.78	20.54	5.8	1.78	12	.01	.05
67.4-68.1	20.54-20.76	ALTERED PEGMATITIC GRANITE Moderate alt. of k-spar rich pegmatite.										
68.1-69.5	20.76-21.18	ALTERED GRANITE Moderately alt. granite ppy. Chl'd mfics, ep'd plag. K-spars retain most color and are euhedral. Broken core, fault gouge at 69.1-69.2 Original textures preserved.	54022	68.1	69.5	20.76	21.18	1.4	0.43	.06	02	.02
69.5-70.1	21.18-21.37	PEGMATITIC GRANITE Reasonably fresh k-spar rich pegmatite.										
70.1-83.0	21.37-25.30	ALTERED GRANITE Weak alt. of granite ppy. Chl'd mafics, slightly ep'd plag. K-spars and qtz remain intact. Original textures preserved. CI= 15.										
83.0-85.3	25.30-26.00	ALTERED PEGMATITIC GRANITE Somewhat alt. k-spar rich pegmatite. Obscure grain boundaries, so secondary enrichmat may be present.										

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET From	FEET To	METERS From	METERS To	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
85.3- 95.1	26.00- 28.99	ALTERED GRANITE Weak alt. of granite ppy, essentially similar to 70.1 - 83.0. Clays present alongfractures.										
95.6- 101.2	28.99- 30.85	ALTERED GRANITE Moderate to locally strong alt. of granite ppy. Chl'd mafics, well ep'd plag. K-spas have lost some color. Broken core. Original tex. preserved.	54023	95.1	101.2	28.99	30.85	6.1	1.86	.06	.00	.00
101.2- 109.0	30.85- 33.22	ALTERATION, SHEAR, GOUGE ZONE Moderate to intense alt. ofgranitic material with abundant shearing & gouging. Entre section displays sheared crystals with intenstical clays	54024	101.2	105.0	30.85	32.00	3.8	1.16	.00	.00	.00
		Plastic fault gouges at 104.3 - 104.6, 105.0-105.4, 106.0-106.9. Some original textures preserved in non-gouged zones.	54025	105.0	109.0	32.00	33.22	4.0	1.22	.06	.01	.02
109.0- 120.2	33.22- 36.64	ALTERED GRANITE Moderate to locally strong alt. of granite ppy. Chl'd mafics, chl'd and ep'd plag. Remnant k-spars generally retain most color, but locally are completely alt. Original textures mostly preserved.	53976	115.2	120.2	35.11	36.64	5.0	1.52	.06	.00	.00
120.2- 125.0	36.64- 38.1	GRANITE PPY Reasonably fresh granite where only alteration is chloritization of mafics. Fresh plg. & k-spar. CI= 15.										
		125.0', E.O.H.										

PROPERTY: Arlington
LOGGED BY: T. Henneberry
DATE LOGGED: July 14/81
DATE COLLARED: July 9/81
DATE COMPLETED: July 11/81

HOLE NO.: A-38
LOCATION: 16+45n
AZIMUTH: 332.47°
DIP AT COLLAR: -51.5°
DEPTH: 103.0ft/31.39m

DIP TESTS
___° AT ___'
___° AT ___'
___° AT ___'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
0-2.0	0-0.61	CASING										
2.0-10.6	0.61-3.23	GRANITE PPY Fresh granite comprised of 30% k-feldspar (predominantly as phenocrysts; less than 4cm) 35 - 40% plag., 10 - 15% mafics (chloritized) and 15-20% quartz. Fractures show weak chlorite ± clays ± hematite.										
10.6-14.7	3.23-4.48	ALTERED GRANITE Zone of moderate chloritic alt. overprinted by strong silicification. K-spar "fresh" to partially chl'd, argillized. Plag. to chlorite + kaolinite. Fractures show chlorite ± clays.	54033	10.6	14.7	3.23	4.48	4.1	1.25	.06	.00	.00
11.7-18.5	4.48-5.64	ALTERED GRANITE Zone of strong epidotic alt. Zone also carries moderate chlorite. Plag + k-spars show epidote. Fractures show chlorite ± epidote ± clays. Traces Diss Py.	54034	14.7	18.5	4.48	5.64	3.8	1.16	.75	.00	.00
18.5-22.8	5.64-6.95	QUARTZ SULFIDE ZONE Zone of ubiquitous quartz and epidote. The main mineralized zone is 18.5 - 20.0'/ This zone carries 7% sp and 3% Gl. The zone from 20. - 22.8 carries 1% gl and 2% Sp.	54035	18.5	22.8	5.64	6.95	4.3	1.31	1.69	3.10	.52
22.8-28.3	6.95-8.62	ALTERED GRANITE Zone of strong epidotic/chloritic alt. Plag. epidote + clays, k-spar chlorite. Interstitial clays. Fractures show chlorite ± epidote ± clays. Traces Gl and Sp.	54036	22.8	28.3	6.95	8.62	5.5	1.68	.17	13	.10
28.3-28.8	8.62-8.78	ALTERED GRANITE Zone of moderate chloritic/weak epidotic alt. Plag. to kaolin. & chl and weak epidote. K-spar fairly fresh. Fractures chlorite ± epidote.										

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
28.8-31.0	8.78-9.45	ALTERED GRANITE Zone of strong epidotic/moderate chloritic alt. overprinted by mod. silicification. K-spar chl and epidote, Plag. to epidote + clays. Fractures chlorite ± epidote ± clays.	54037	28.8	31.0	8.78	9.45	2.2	0.67	.06	.01	.01
31.0-32.0	9.45-9.75	ALTERED GRANITE Zone of moderate chloritic/weak epidotic alt. as 28.3 - 28.8.										
32.0-33.3	9.75-10.15	ALTERED GRANITE Zone of strong epidotoc/moderate chloritic alt. overprinted by mod. silicification as 28.8 - 31.0	54038	32.0	33.3	9.75	10.15	1.3	0.39	.00	.01	.00
33.3-34.4	10.15-10.48	ALTERED GRANITE Zone of moderate chloritic/weak epidotic alt. as 28.3 - 28.8.										
34.4-35.3	10.48-10.76	ALTERED GRANITE Zone of strong epidotic/moderate chloritic alt. k-spar show a pale pink color through the epidotic alt. Plag. epidote + chlorite. Fractures chlorite ± epidote ± clays. Moderate silicification overprint.	54039	34.4	35.3	10.48	10.76	0.9	0.27	.00	.00	.01
35.3-36.5	10.76-11.12	ALTERED GRANITE Zone of strong chloritic/epidotic alt. k-spar partial epidotization/chl'n. Plag. chlorite + epidote + clays. Fractures show strong chlorite ± epidote ± clays.	54040	35.3	36.5	10.76	11.12	1.2	0.36	.00	.00	.03
36.5-45.8	11.12-13.96	ALTERED GRANITE Zone of strong epidotic/moderate chloritic alt. with a moderate silicification overprint. K-spar shows a pale pink color through the epidotic alt., plag. epidote + chlorite. Fractures chlorite ± epidote ± clays.	54041	36.5	41.0	11.12	12.50	4.5	1.37	.00	.00	.03
			54042	41.0	45.8	12.50	13.96	4.8	1.46	.06	.00	.09
45.8-49.4	13.96-15.06	ALTERED GRANITE Zone of strong chl'c/moderate epi'c alt. Weak tc mod. silicification. K-spar pale pink tocomplete chl'n, ep'n. Plag. chlorite _ minor epidote. Fractures show strong chlorite ⟩ epidote ± clays. Traces Sp and Gl.	54043	45.8	49.4	13.96	15.06	3.6	1.10	17	.00	.09

HOLE No. -A-38 PAGE ____

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET From	FEET To	METERS From	METERS To	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
49.4- 50.1	15.06- 15.27	PEGMATITE DYKE at 10° to core axis. Dyke shows strong epidote.										
50.1- 53.1	15.27- 16.18	ALTERED GRANITE Zone of strong chloritic alt. With all minerals showing strong chlorite. Original textures are still visible. Fractures show strong chlorite ± clays.	54044	50.1	53.1	15.27	16.18	3.0	0.91	.12	.00	.12
53.1- 58.1	16.18- 17.71	ALTERED GRANITE Zone similar to 50.1 - 53.1 except that this zone has been brecciated. Zone also carries traces Gl and sp.	54045	53.1	58.1	16.18	17.71	5.0	1.52	.70	.00	.13
58.1- 58.5	17.71- 17.83	ALTERED GRANITE Zone of strong chloritic/argillic alt. within a zone of broken, fracture core. Clays throughout zone indicative of shearing.	54046	58.7	58.5	17.71	17.83	0.4	0.12	6.90	.01	.05
58.5- 60.4	17.83- 18.41	ALTERED GRANITE Zone of moderate chloritic alt., marked by an increase to 60% of k-spar, which is patially due to a pegmatite dyke at 59.5 - 60.0'. Fractures chlorite ± clays.										
60.4- 66.9	18.41- 20.39	APLITE/PEGMATITE DYKE at 50° to core. Dyke shows weak chlorite/epidote.										
66.9- 68.4	20.39- 20.85	ALTERED GRANITE Zone of weak chloritic argillic alt., with plag. show kaolinite ± chlorite. K-spar shows clays along crystal edges. Fractures show strng chlorite ± clays.										
68.4- 72.7	20.85- 22.16	GRANITE PPY Predominantly fresh granite. Aplite stringer at 72.5 - 72.7										
72.7- 76.8	22.16- 23.41	ALTERED GRANITE Zone of moderate chloritic, weak argillic alt. Plag. to kaolin and chlorite. K-spar shows very weak chlorite + clays. Fractures show chlorite ± clays.										

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
76.8- 77.9	23.41- 23.74	APLITE/PEGMATITE DYKE at 60° to core. Dyke shows weak chlorite/epidote.	54047	77.9	80.6	23.74	24.6	2.7	0.82	.06	.00	.04		
77.9- 80.6	23.74 24.57	ALTERED GRANITE Zone of strong chloritic alt. with moderate silicification. K-spar only paritially pink. All other minerals are chloritized. Fractures show strong chlorite ± clays.												
80.6- 82.0	24.57- 24.99	ALTERATION GOUGE ZONE Zone of pervasive chlorite and gouges. Original textures destroyed. 80.6 - 81.4, Only strong alt., k-spar only partially pink. 81.4-82.0, Gouge zone with pervasive chlorite.	54048	80.6	82.0	24.57	24.99	1.4	0.43	.06	.00	.06		
82.0- 83.8	24.99- 25.54	ALTERED GRANITE Zone of moderate chlorite/argillic alt. Plag. chlorite + kaolinite. K-spar partially chl'd. Fractures intense chlorite ± clays ± hematite.	54049	82.0	83.8	24.99	25.54	1.8	0.55	.00	.00	.03		
83.8- 90.1	25.54- 27.46	ALTERED GRANITE Zone of weak chloritic/argillic alt. Plag. shows 40% kaolinization/chloritization k-spar predominantly fresh. Fractures show chlorite ± clays ± hematite.												
90.1-	27.46	GRANITE PPY Predominantly fresh granite Fractures chlorite ± clays ± hematite.												

SVEINSON WAY MINERAL SERVICES LTD. — DIAMOND DRILL LOG — PAGE 1

PROPERTY: Arlington
LOGGED BY: H. Keyser
DATE LOGGED: July 10/81
DATE COLLARED: July 7/81
DATE COMPLETED: July 9/81

HOLE NO.: A-39
LOCATION: 16+45N
AZIMUTH: 333.39°
DIP AT COLLAR: -28.0°
DEPTH: 94.0'/28.65m

DIP TESTS
___° AT ___'
___° AT ___'
___° AT ___'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
0-11.1	0-3.38	GRANITE PPY Granite showing weak alt. Chl'd mafics.Plag. locally shows weak ep'n and arg'n. Some hematite staining present. CI= 15.										
11.1-15.4	3.38-4.69	ALTERED GRANITE Strongly alt. granite ppy. Complete chl'n of mafics K-spars alt. but are possibly secndary. Ep'n and arg'n of plag. CI=8. Original textures destroyed.	50328	11.1	15.4	3.38	4.69	4.3	1.31	.00	.00	.00
15.4-16.5	4.59-5.03	ALTERED GRANITE Zone of pervasive chl'c and ep'c alt. of granite ppy. Only qtz remains recognizable. Origianal textures destroyed.	50329	15.4	16.5	4.69	5.03	1.1	0.34	00	.02	.08
16.5-47.6	5.03-14.51	ALTERED GRANITE Similar to 15.4-16.5, but epidote, is prominant over chlorite. Some recognizable k-spars, probably secondary. Original textures destroyed. Traces Sp & Gl.	50330	16.5	21.5	5.03	6.55	5.0	1.52	.41	.13	1.20
			50331	21.5	26.5	6.55	8.08	5.0	1.52	.06	.03	.08
			50332	26.5	31.5	8.08	9.60	5.0	1.52	00	.01	.03
			50333	31.5	36.5	9.60	11.13	5.0	1.52	.00	.00	04
			50334	36.5	42.0	11.13	12.80	5.5	1.68	00	00	.03
			50335	42.0	47.6	12.80	14.51	5.6	1.71	.01	.01	.06
47.6-49.0	14.51-14.93	ALTERED GRANITE Moderately alt. granite ppy. Mafics ne chl'd, plag. is chl'd and ep'd. K-spars slightly alt. remain euhedral. Original textures peserved.										
49.0-50.0	14.93-15.24	ALTERED PEGMATITIC GRANITE Alt. and sheared synchronous pegmatite Shows clays ep, and chl. CI less than 5.										
50.0-64.9	15.24-19.78	ALTERED GRANITE Moderately alt. granite ppy. Chl'd mafic										

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
		ep'd and arg'd. plag. K-spars retain most of original color, although are locally sheared. Clays and chlorite in fractures. Original textures preserved.										
64.9-74.4	19.78-22.68	ALTERED GRANITE Strong alterations of granite ppy. Mafics and plag. show intense chl'n. Epidote and clays locally present. K-spars retain some pinkness. 40cm of finely crystallized sulfides (mainly Gl) at 71.4, 50% mineralization. Minor gouging present through out.	50336	64.9	70.0	19.78	21.34	5.1	1.55	.00	.00	04
			50337	70.0	74.4	21.34	22.68	4.4	1.34	4/20	.50	42
74.4-76.1	22.68-23.20	ALTERED GRANITE Moderate alt. of granite ppy. Chl'd mafics, ep'd and kaol'd. plag. K-spars have lost slight color. Clays and chlorite present in fractues. Original textures preserved.										
76.1-85.9	23.20-26.18	ALTERED GRANITE Weakly alt. granite ppy. Mafics are completely chl'd, but plag. shows only minor epidotic and argillic alteration. K-spars remain pink and euhedral. Original textures preserved.										
85.9-88.0-	26.18-26.82	ALTERED GRANITE K-spar rich altered granite. Secondary k-spar due to potassic alt. and/or feldspathizaton. Original textures destroyed.										
88.0-94.0	26.82-28.65	GRANITE PPY Weakly altered granite ppy. Only alt. is chl'n of mafics, remaining minerals remain fresh. Original textures preserved. CI= 15. E.O.H. AT 94.0' or 28.65m/										

PROPERTY Arlington
LOGGED BY T. Henneberry
DATE LOGGED July 30, 1981
DATE COLLARED July 27/81
DATE COMPLETED July 28/81

HOLE NO. A-44
LOCATION 17+00N
AZIMUTH 305.67°
DIP AT COLLAR +33.2°
DEPTH 96 ft/29.26 m

DIP TESTS
___° AT ___'
___° AT ___'
___° AT ___'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (intervals in feet)	SAMPLE NO.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS
0.0-29.6	0.0-9.02	GRANITE PORPHYRY Fresh to locally weakly kaolinically altered granite. Composed of 20-35% K-feldspar (predominantly as phenocrysts; less than 4 cm); 35-50%plagioclase (showing local kaolinite); 10-15% mafics (chloritized); and 15-20% quartz. Fractures ± chlorite ± clays ± hematite. Pegmatite stringers at 1.5-1.7 at 60 tocore. at 23.9-24.3 at 70 to core, at 28.6-28.9 ft at 70 to core.							
29.6-32.6	9.02-9.94	ALTERED GRANITE Zone of moderate epidote/weak argillic alteration. Plagioclase shows kaolinization, K-feldspar, weak clays,and epidote. Interstitial epidote. Zone marked by an increase (to 15%) of matrix K-feldspar. Fractures chlorite ± epidote ± clays ± hematite	53858	29.6	32.6	9.02	9.94	3.0	0.91
32.6-38.9	9.94-11.86	GRANITE PORPHYRY Fresh to locally weakly kaolinically altered granite as 0 - 29.6							
38.9-40.6	11.86-12.37	PEGMATITE DYKE at 70 to core. Weak clays. Traces py	53859	38.9	40.6	11.86	12.37	1.3	0.40
40.6-46.3	12.37-14.11	GRANITE PORPHYRY Fresh to locally weakly kaolinically altered granite. AS 0.0-29.6 ft.							
46.3-49.9	14.11-15.21	ALTERED GRANITE Zone of weakly argillic/chloritic alteration. Plagioclase, kaolinite/chlorite. K-feldspar weak clays along crystal rims and fractures. Fractures chlorite ± epidote ± clays ± hematite							

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS
		Pegmatite stringer 48.2-48.6 ft. at 80 to core							
49.9-52.9	15.21-16.12	ALTERED GRANITE Zone of moderate chlorite/argillic alteration moderate silicification. Plagioclase kaolinite/chlorite. K-feldspar, moderate clays. Chlorite is also interstitial. Traces epidote. Fractures chlorite ± clays ± hematite	53860	49.9	52.9	15.21	16.12	3.0	0.91
52.9-54.2	16.12-16.52	GRANITE PORPHYRY Fresh to locally weakly chloritically altered granite. As 0-29.6 ft.							
54.2-55.0	16.52-16.76	ALTERED GRANITE Zone of moderate chloritic/argillic alteration/moderate silicification. As 49.9-52.9 ft.	53861	54.2	55.0	16.52	16.76	0.8	0.24
55.0-57.7	16.76-17.59	APLITE/PEGMATITE DYKE at 70° to core. weak clays chlorite.							
57.7-61.4	17.59-18.71	ALTERATION/SULFIDE ZONE Zone of moderate chloritic/weak argillic alteration/moderate silicification. Plag Kaolin/chlorite. K-feldspar weak clays. Fractures chlorite ± clays 1 cm seam of gl at 60.6 ft.	53862	57.7	61.4	17.59	18.71	3.7	1.13
61.4-62.3	18.71-18.99	ALTERED GRANITE Zone of pervasive chloritic alteration. Epidote K-feldspar and rounded quartz grains. Clays present on fractures.	53863	61.4	62.3	18.71	18.99	0.9	0.27
62.3-64.7	18.99-19.72	ALTERATION/SHEAR/GOUGE ZONE Zone of strong to intense epidotic and chloritic alterations with abundant shearing and gouging Quartz is only recognizable mineral, original textures destroyed.	53864	62.3	64.7	18.99	19.72	2.4	0.73
64.7-68.7	19.72-20.94	ALTERATION/BRECCIA ZONE Groundmass destroyed, angular quartz, and angular epidotized K-feldspar. Interstitial chlorite. Traces gl	53865	64.7	68.7	19.72	20.94	4.0	1.22

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS
68.7- 73.5	20.94- 22.40	ALTERED GRANITE Zone of pervasive chlorite/epidote. Original textures destroyed. Fractures chlorite, epidote ± clays Traces gl, sp	53866	68.7	73.5	20.94	22.4	4.8	1.46
73.5- 74.0	22.40- 22.56	QUARTZ/SULFIDE ZONE Resilicified quartz vein carrying 50% galena. Traces sp Vein at 70° to core.	53867	73.4	74.0	22.40	22.56	0.5	0.15
74.0- 78.6	22.56- 23.96	ALTERED GRANITE Zone of pervasive chlorite/epidote as 68.7-73.5 ft. 6% gl Traces sp.	53868	74.0	78.6	22.56	23.96	4.6	1.40
78.6- 80.2	23.96- 24.44	ALTERED GRANITE Zone of pervasive chloritic alteration. Original textures destroyed. Traces gl and sp	53869	78.6	80.2	23.96	24.44	1.6	0.49
80.2- 82.0	24.44- 24.99	ALTERED GRANITE Zone of pervasive chlorite/epidote as 68.7-73.4 ft. 3% gl Traces sp	53870	80.2	82.0	24.44	24.99	2.6	0.79
82.0- 82.8	24.99- 25.24	PEGMATITE DYKE at 70 to core. Dyle shows moderate chlorite/ weak clays							
82.8- 83.3	25.24- 25.39	ALTERATION/GOUGE ZONE Zone of pervasive chloritic/argillic alteration. No textures. Gouge throughout.	53871	82.8	83.3	25.24	25.39	0.5	0.15
83.3- 84.6	25.39- 25.79	ALTERED GRANITE Zone of pervasive chloritic alteration. Weak clays, textures only partially preserved. Traces gl.	53872	83.3	84.6	25.39	25.79	1.3	0.40
84.6- 88.4	25.79- 26.94	ALTERED GRANITE Zone of strong chloritic/moderate epidotic alteration K-feldspar only partially preserved. Plagioclase shows clays/chlorite/epidote. K-feldspar clays/epidote. Interstitial chlorite Gouge (o.1 ft) at 84.7 ft.	53873	84.6	88.4	25.79	26.94	3.8	1.16

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS
88.4- 93.8	26.94 28.59	ALTERED GRANITE Zone of moderate chloritic/argillic alteration. Plagioclase Kaolinite/chlorite. K-feldspar weak clays. Fractures chlorite ± clays ± epidote.	53874	88.4	93.8	26.94	28.59	5.4	1.65
93.8- 95.0	28.59- 28.96	ALTERATION GOUGE ZONE Zone of pervasive argillic alteration masked by chlorite. Gouged and broken throughout. Original textures destroyed.	53875	93.8	95.0	28.59	28.96	1.2	0.37
95.0- 96.0	28.96- 29.26	ALTERED GRANITE Zone of pervasive argillic alteration masked by chlorite. Original textures still visible. Plagioclase and K-feldspar clays masked by chlorite. Fractures chlorite ± clays. 96.0 ft 29.26 m EOH Should have been deepened.	53826	95.0	96.0	28.96	29.26	1.0	0.30

PROPERTY: Arlington
LOGGED BY: T. Henneberry
DATE LOGGED: August 3/81
DATE COLLARED: July 30/81
DATE COMPLETED: July 31/81

HOLE NO.: A-47
LOCATION: 17+00N
AZIMUTH: 298.82°
DIP AT COLLAR: -75.5°
DEPTH: 85'/25.91m

DIP TESTS
___° AT ___'
___° AT ___'
___° AT ___'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals in feet)	SAMPLE NO.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS
0- 2.0	0- 0.61	CASING							
2.0- 9.1	0.61- 2.77	GRANITE PPY Zone of fresh granite, comprised of 30% k-spar (predominantly as pheno; less than 4 cm); 40 - 50% plag., 10 - 15% mafics (chl'd) and 15 - 20% qtz. Fractures ± clays ± chl.							
9.1- 9.4	2.77- 2.87	PEGMATITE DYKE at 65 degrees to core. Dyke shows weak argillic alt.							
9.4- 15.2	2.87- 4.63	GRANITE PPY Fresh granite as 2.0 - 9.1 feet.							
15.2- 19.9	4.63- 6.07	ALTERED GRANITE Zone of very weak alt. Plag. shows weak kaolinite. Weak interstitial chlorite. Weak clays on rims of k-spar. Fractures chlorite ± clays. TRACES PY							
19.9- 22.5	6.07- 6.86	FINE GRAINED DIORITIC DYKE at 80 degrees to core. Mod. chlorite/ kaolinite.							
22.5- 24.6	6.86- 7.50	ALTERED GRANITE Zone of mod. argillic/chlorite alt. Zone of mod. kaolinite chlorite. Plag. shows kaolinization/ chl'n. K-spar clays along rims and fractures & weak chlorite. Interstitial chlorite. Fractures chlorite ± clays. Gouge at 22.5-22.6'.	53805	22.5	24.6	6.86	7.50	2.1	0.64
24.6- 25.0	7.50- 7.62	GRANITE PPY Fresh to weakly chloritically altered granite.							
25.0- 25.7	7.62- 7.83	ALTERED GRANITE Zone of mod. chl'c/ arg'c alt. as 22.5 - 24.6	53806	25.0	25.7	7.62	7.83	0.7	0.21
25.7- 26.2	7.83- 7.99	GRANITE PPY Fresh to weakly chloritically alt. granite as 24.6- 25.0.							

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET From	FEET To	METERS From	METERS To	WIDTH FEET	WIDTH METERS
26.2-28.7	7.99-8.75	ALTERED GRANITE Zone of strong chl'c/ arg'c alteration. K-spar only partially pink, shows chlorite/ clays. Plag. completely chl'd arg'd. Fractures chlorite ± clys.	53807	26.2	28.7	7.99	8.75	2.5	0.76
28.7-29.0	8.75-8.84	PEGMATITE DYKE at 40 degrees to core. Dyke shows weak clays. TRACES PY							
29.0-29.3	8.84-8.93	GRANITE PPY Fresh to weakly chloritically alt. granite. as 24.6-25.0.							
29.3-32.5	8.93-9.91	ALTERED GRANITE Zone of mod. chl'c/ ep'c alt. Plagioclase chl/clays. K-spar partially pinks moderate clays/ epidote. Fractures chlorite ± clays. Traces Gl	53808	29.3	32.5	8.93	9.91	3.2	0.98
32.5-33.7	9.91-10.27	ALTERED GRANITE Zone of weak chl'c/ arg'c alt. Weak kaolin in plag, weak interstitial chlorite. Weak clays in plag. Fractures chlorite ± clays ± hematite.							
33.7-34.5	10.27-10.52	ALTERED GRANITE Zone of moderate chl'c/ ep'c alt. as 29.3 - 32.5'.	53809	33.7	34.5	10.27	10.52	0.8	0.24
34.5-35.3	10.52-10.76	APLITE DYKE at 70 degrees to core. Weak clays/ chlorite.							
35.3-37.4	10.76-11.40	ALTERED GRANITE Zone of weak chl'c alt./ silicification. Plag. weak chl. k-spar predominantly fresh. Moderate silicification. Fractures chlorite ± clays.	53810	35.3	37.4	10.76	11.40	2.1	0.64
37.4-38.0	11.40-11.58	APLITE DYKE at 70 degrees to core. Strong epidote.							
38.0-40.1	11.58-12.22	ALTERED GRANITE Zone of mod. to weak chl'c/ arg'c alt. Plag. kaolinite/ chlorite. K-spar weak clays. Fractures chlorite ± clays ± epidote	53811	38.0	40.1	11.58	12.22	2.1	0.64
40.1-41.2	12.22-12.56	ALTERED GRANITE Zone of feldspathization, weak chl/clays. Fractures chlorite ± clays.	53812	40.1	41.2	12.22	12.56	1.1	0.34

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS
41.2- 43.4	12.56- 13.23	ALTERED GRANITE Zone of strong chl'c/ arg'c alt. Plag. kaolinite/ chl. K-spar clays/chlorite. Fractures chlorite ± clays ± epidote.	53813	41.2	43.4	12.56	13.23	2.2	0.67
43.4- 43.7	13.23- 13.32	APLITE DYKE at 80 degrees to core. Pervasive chlorite.							
43.7- 52.1	13.32- 15.88	ALTERED GRANITE Zone of strong chl'c/ arg'c alt. at 41.2 - 43.4	53814 53815	43.7 47.9	47.9 52.1	13.32 14.60	14.60 15.88	4.2 4.2	1.28 1.28
52.1- 53.4	15.88- 16.28	ALTERATION SULFIDE ZONE Zone of strong chl'c/ arg'c alt. Plag. kaolinite/ chlorite K-spar chlorite clays. 1% gl	53816	52.1	53.4	15.88	16.28	1.3	0.40
53.4- 54.2	16.28- 16.58	APLITE DYKE at 70 degrees to core. Weak clays, epidote.							
54.2- 58.2	16.52- 17.74	ALTERED GRANITE Zone of strong chl'c/ arg'c alt , weak silicification. Plagioclase kaolinite/ chlorite. K-spar weak clays. Fractures chlorite ± clays.	53817	54.2	58.2	16.52	17.74	4.0	1.22
58.2- 60.5	17.74- 18.44	ALTERATION, SULFIDE, GOUGE ZONE Zone of pervasive chl/ arg'c alt. Original textures only partially preserved. 1% gl	53818	58.2	60.5	17.74	18.44	2.3	0.70
60.5- 62.1-	18.44- 18.93	ALTERED GRANITE Zone of moderate chl'c/ arg'c alt. Plag. kaolinite/ chl. k-spar weak clays. Mod. fractured crystals. Fractures chlorite ± clays.							
62.1- 63.8	18.93- 19.45	APLITE DYKE at 80 degrees to core. Moderate epidote.							
63.8- 64.5	19.45- 19.66	ALTERED GRANITE Zone of moderate chl'c/ arg'c alt. as 60.5 - 62.1							
64.5- 65.0	19.66- 19.81	PEGMATITE DYKE at 70 degrees to core. Weak epidote.							
65.0- 66.2	19.81- 20.18	ALTERED GRANITE Zone of moderate chl'c arg'c alt. as 60.5 - 62.1							

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET From	FEET To	METERS From	METERS To	WIDTH FEET	WIDTH METERS					
66.2-67.4	20.18-20.54	APLITE DYKE at 50 degrees to core. Moderate epidote.												
67.4-68.4	20.54-20.85	ALTERED GRANITE Zone of pervasive chlorite. Textures preserved. 53819	53819	67.4	68.4	20.54	20.85	1.0	0.30					
68.4-72.1	20.85-21.98	ALTERED GRANITE Zone of weak chl'c/ arg'c alt. Plag. kaolin/chlorite. K-spar weak clays along rims Fractures chlorite ± clays.												
72.1-73.3	21.98-22.34	APLITE DYKE at 80 degrees to core. Weak epidote.												
73.3-75.2	22.34-22.92	ALTERED GRANITE Zone of weak chl'c/ arg'c. alt. as 72.1 - 73.3.												
75.2-75.6	22.92-23.04	APLITE DYKE at 80 degrees to core. Weak clays/ epidote.												
75.6-77.1	23.04-23.50	ALTERED GRANITE Z one of strong chl'c alt. with all minerals chl'd but preserved textures. Fractures chl ± clays ± hematite.	53820	75.6	77.1	23.04	23.50	1.5	0.46					
77.1-77.8	23.50-23.71	APLITE DYKE at 60 degrees to core. Weak clays, epidote.												
77.8-80.2	23.71-24.44	ALTERED GRANITE Z one of strong chl'c alt. as 75.6 - 77.1	53821	77.8	80.2	23.71	24.44	3.4	1.04					
80.2-81.2	24.44-24.75	APLI E DYKE at 80 degrees to core. Moderate chlorite.												
81.2-83.4	24.75-25.42	ALTERED GRANITE Zone of strong chl'c alt. as 75.6 - 77.1 53822	53822	81.2	83.4	24.75	25.42	2.2	0.67					
83.4-83.8	25.42-25.54	PEGMATITE DYKE at 70 degrees to core. Weak clays/epidote.												
83.8-85.0	25.54-25.91	ALTERED GRANITE Zone of strong to mod. chl'c. alt. K-spar fractured but still fairly pink, shows chl. K-spar chl'd. Fractures chl ± clays. Traces VIS AG. Checked found to be PY. BCW 85.0' or 25.91m E.O.H. SHOULD BE DEEPENED.	53823	83.8	85.0	25.54	25.91	1.2	0.37	0.04	<0.01	0.01		

SVEINSON WAY MINERAL SERVICES LTD

DIAMOND DRILL LOG 53970-53975
53926-53932

PROPERTY: Arlington
LOGGED BY: I. Henneberry
DATE LOGGED: July 26/81
DATE COLLARED: July 21/81
DATE COMPLETED: July 23/81

HOLE NO: A-48
LOCATION: 17+10n
AZIMUTH: 303.61°
DIP AT COLLAR: +37.5
DEPTH: 97 ft./29.57m.

DIP TESTS
___° AT ___'
___° AT ___'
___° AT ___'

INTERVAL (FEET)	INTERVAL (METRES)	DESCRIPTION (Intervals in feet)	SAMPLE No.	FEET FROM	FEET TO	METRES FROM	METRES TO	WIDTH FEET	WIDTH METRES	Ag	Pb	Zn		
0.0-13.9	0.0-4.24	GRANITE PORPHYRY Predominantly fresh granite. Composed of 20%K-feldspar (predominantly as phenocyrsts; less than 4 cm); 40-50% plagioclase; 10-15% mafics(chloritized); 15-20% quartz. Fractures are predominantly fresh. Small pegmatite stringer at 7.5-7.7 ft.												
13.9-14.7	4.24-4.48	APLITE DYKE at 85 to core. Dyke is predominantly fresh.												
14.7-31.1	4.48-9.48	GRANITE PORPHYRY Fresh granite												
31.1-32.2	9.48-9.81	PEGMATITE DYKE at 90 to core. Dyke is fresh. Traces py	53970	31.1	32.2	9.48	9.81	1.1	0.34	03	.00	00		
32.2-37.0	9.81-11.28	GRANITE PORPHYRY Predominantly fresh granite, marked by sporadic horizons of 10% matrix K-feldspar.												
37.0-41.2	11.28-12.56	ALTERED GRANITE Zone marked by an increase to 45% of K-feldspar. Plagioclase kaolinite/chlorite, K-feldspar weak clays. Fractures chlorite ± clays ± hematite.	53971	37.0	41.2	11.28	12.56	4.2	1.28	.12	.00	.00		
41.2-41.8	12.56-12.74	PEGMATITE DYKE at 70° to core. Dyke shows weak clays.												
41.8-42.6	12.74-12.98	ALTERED GRANITE Zone of weak argillic/chloritic alteration; chlorite masks kaolinite in plagioclase. Clays are interstitial and weak in K-feldspar. Fractures chlorite ± clays.	53972	41.8	42.6	12.74	12.98	0.8	0.24	06	.01	.00		
42.6-44.0	12.78-13.41	APLITE DYKE at 40 to core. Dyke shows weak clays.												

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
44.0- 44.7	13.41- 13.62	MAFIC DYKE at 80 to core. Dyke shows weak chlorite.												
44.7- 45.7	13.41- 13.93	ALTERED GRANITE Zone of weak argillic/chloritic alteration. as 41.8-42.6	53973	44.7	45.7	13.62	13.93	1.0	0.30	.00	00	.01		
45.7- 47.2	13.93- 14.39	APLITE DYKE at 90 to core. Dyke shows weak clays Traces py.												
47.2- 53.2	14.39- 16.22	GRANITE PORPHYRY Predominantly fresh granite (5% plag-kaolinized) showing weak silicification. Fracutres chlorite ± clays ± hematite												
53.2- 54.1	16.22- 16.49	APLITE DYKE, ALTERATION ENVELOPE Dyke is at 80 to core, and shows moderate epidote. Alteration envelope shows moderate epidote/chlorite.												
54.1- 59.7	16.49- 18.2	ALTERED GRANITE Zone of weak chloritic/argillic alteration. Plagioclase Kaolin masked by chlorite. K-feldspar weak clays. Interstitial chlorite. The last 1.0 ft has an increase to 60% of K-feldspar. Fractures chlorite ± clays ± hematite.												
59.7- 63.2	18.2- 19.26	ALTERATION, SULFIDE ZONE Zone of pervasive chloritic alteration. Fractured quartz (shearing?) Disseminated gl· (1%)	53974	59.7	63.2	18.20	19.26	3.5	1.07	06	53	.06		
63.2- 64.4	19.26- 19.63	BRECCIA/ SULFIDE ZONE Main sulfide zone. gl as fracture fillings in breccia with chlorite. Angular quartz. gl 10%	53975	63.2	64.4	19.26	19.63	1.2	0.37	1.90	1.80	1.05		
64.4- 66.8	19.63- 20.36	ALTERATION/GOUGE SULFIDE ZONE Zone of pervasive chlorite, angular fractured quartz. Gl as disseminations throughout (3%). Gouge zone at 66.5-66.8 ft. Vis Ag	53926	64.4	66.8	19.63	20.36	2.4	0.73	30.9	1.50	1.09		
66.8- 69.8	20.36- 21.28	ALTERATION/BRECCIA ZONE Zone of pervasive chlorite, fractured quartz. Original textures destroyed. Traces gl and vis Ag	53927	66.8	69.8	20.36	21.28	3.0	0.91	41	.19	12		
69.8- 70.9	21.28- 21.61	ALTERATION SULFIDE ZONE Zone of pervasive chlorite, and 15% massive gl	53928	69.8	70.9	21.28	21.61	1.1	0.34	4.90	5.50	4.36		

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET From	FEET To	METERS From	METERS To	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
70.9-73.9	21.61-22.52	ALTERATION/BRECCIA ZONE Zone of pervasive chlorite, angular fractures quartz. Traces gl.	53929	70.9	73.9	21.61	22.52	3.0	0.91	.34	.14	.19
73.9-75.7	22.52-23.07	ALTERATION/SULFIDE ZONE Zone of pervasive chlorite. 10% massive gl.	53930	73.9	75.7	22,52	23.07	1.8	0.55			
75.7-77.3	23.07-23.56	ALTERED GRANITE Zone of strong to pervasive chlorite. K-feldspar partially to completely chloritized. 0.1 ft gouge at 75.9 ft. 0.1 ft gouge at 77.0 ft. 0.1 ft quartz vein at 77.1 ft(unmineralized)	53931	75.7	77.3	23.07	23.56	1.8	0.55	.15	.07	.23
77.3-83.1	23.56-25.33	ALTERED GRANITE Zone of moderate argillic/chloritic alteration/moderate silicification. Plagioclase kaolinized with weak chlorite. K-feldspar moderate clays on crystal rims and fractures. Fractures chlorite ± clays ± hematite.	93932	77.3	83.1	23.56	25.33	5.8	1.77	.00	.01	.00
83.1-83.9	25.33-25.57	PEGMATITE DYKE at 70 to core. Dyke shows moderate chlorite/epidote.										
83.9-93.7	25.57-28.56	ALTERED GRANITE Zone of moderate argillic/chloritic alteration/moderate silicification. Similar to 77.3-83.1 ft. This zone shows slightly stronger chlorite.										
93.7-97.0	28.56-29.57	GRANITE PORPHYRY Fresh to weakly kaolinized granite. (20% of plagioclase show kaolinite). Fractures chlorite ± clays ± calcite ± hematite. 97.0 ft 29.57 m EOH (possibly deepen?)										

PROPERTY Arlington
LOGGED BY T. Henneberry
DATE LOGGED July 25/81
DATE COLLARED July 23/81
DATE COMPLETED July 24/81

HOLE NO. A-49
LOCATION 17+10n
AZIMUTH 302.36
DIP AT COLLAR -31.8 n
DEPTH 65 ft/19.81 m

DIP TESTS
____° AT ____'
____° AT ____'
____° AT ____'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals in feet)	SAMPLE NO.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
0.0- 21.4	0.0- 6.52	GRANITE PORPHYRY Predominantly fresh granite composed of 20% K-feldspar (predominantly as phenocyrsts; less than 4 cm); 40-50% plagioclase; 10-15% mafics (chloritized); and 10-15% quartz. Fractures show chlorite ± clays. 0-5% of plagioclase shows weak kaolinization. The last 2.5 ft of the unit has an increase to 30% of mafics(at the expense of K-feldspar).										
21.4- 21.6	6.52- 6.58	PARAGNEISSIC INCLUSION Weakly chloritized										
21.6- 22.0	6.58- 6.71	GRANITE PORPHYRY Fresh granite										
22.0- 24.1	6.71- 7.35	ALTERED GRANITE Zone of moderate chloritic alteration/silicification. Plagioclase has chlorite masking kaolinite. K-feldspar shows weak clays along margins and fractures. Fractures show chlorite ± clays	53933	22.0	24.1	6.71	7.35	2.1	0.64	.00	.02	.03
24.1- 31.4	7.35- 9.57	ALTERED GRANITE Zone of weak chloritic/silicification. Plagioclase shows kaolinite/weak chlorite. K-feldspar is predominantly fresh (clays on crystal margins). Fractures show chlorite ± clays ± hematite.	53934	24.1	31.4	7.35	9.57	7.3	2.23	.00	01	00
31.4- 33.4	9.57- 10.18	ALTERED GRANITE Zone of moderate argillic/weak chloritic alteration. Plagioclase shows clays masked by chlorite. K-feldspar weak clays/weak chlorite. Zone shows weak silicification. Fractures show chlorite ± clays ± hematite. Traces py	53935	31.4	33.4	9.57	10.18	2.4	0.73	.00	.00	.01
33.4- 35.5	10.18- 10.82	ALTERATION, BRECCIA ZONE Zone of pervasiv chlorite and brecciation. Quartz fragments are all that remains from original textures.	53936	33.4	35.5	10.18	18.82	2.1	0.64	2.33	.11	.13

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
35.5-42.7	10.82-13.01	ALTERED GRANITE Zone of pervasive chloritic/epidotic alteration. Plagioclase shows chlorite/epidote. K-feldspar show epidote. There are sporadic unmineralized quartz stringers throughout the unit. Fractures show chlorite ± epidote ± clays. Traces gl and sp	53937	35.5	39.1	10.82	11.92	3.6	1.10	.06	.05	10
			53938	39.1	42.6	11.92	13.01	3.6	1.10	.17	.06	22
42.7-43.9	13.01-13.38	ALTERED GRANITE Zone of strong chlorite. K-feldspar shows only partial chloritization. Fractures show chlorite ± clays.	53939	42.6	43.9	13.01	13.38	1.2	0.37	00	00	.01
43.9-45.6	13.38-13.90	ALTERED GRANITE Zone of intense chloritic alteration, with K-feldspar only slightly pink. Fractures chlorite ± clays.	53940	43.9	45.6	13.38	13.90	1.7	0.52	87	.20	.22
45.6-47.4	13.90-14.45	ALTERED GRANITE Zone of strong chloritic alteration. similar to 42.7-43.9 ft. This zone also shows moderate silicification.	53941	45.6	47.4	13.90	14.45	1.8	0.55	.00	.01	.01
47.4-49.1	14.45-14.97	ALTERED GRANITE Zone of strong chloritic/argillic alteration. Plagioclase is argillized and masked by chlorite. K-feldspar shows clays and chlorite. Fractures show chlorite ± epidote ± clays.	53942	47.4	49.1	14.45	14.97	1.7	0.52	06	.01	.04
49.1-51.5	14.97-15.70	APLITE DYKE at 45° to core. Dyke shows moderate epidote/chlorite. Traces gl.	53943	49.1	51.5	14.97	15.70	2.4	0.73	12	.02	03
51.5-56.9	15.70-17.34	ALTERATION/GOUGE ZONE Zone of moderate chloritic/argillic alteration. Plagioclase shows kaolin masked by chlorite. 0.3 ft gouge at 52.0-52.3 ft. 0.1 ft gouge at 53.0 ft. 0.2 ft gouge 55.0-55.2 ft. There is a small 2 cm zone of gl, sp (total 40%) at 54.8 ft. Fractures show chlorite ± clays ± epidote.	53944	51.5	56.9	15.70	17.34	5.4	1.65	1.10	.20	.29

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET From	FEET To	METERS From	METERS To	WIDTH FEET	WIDTH METERS
56.9- 59.4	17.34- 18.11	ALTERED GRANITE Zone of moderate chloritic/argillic alteration. Plagioclase shows kaolin/chlorite. K-feldspar weak clays. Increase to 5% of matrix K-feldspar. Fractures chlorite ± clays ± hematite.							
59.4- 65.0	18.11- 19.81	ALTERED GRANITE Zone of weak chloritic/argillic alteration. Plagioclase shows partial kaolinization/chloritization. K-feldspar shows weak clays along crystal margins and fractures. Fractures chlorite ± clays ± hematite. The last 0.8 ft is fresh granite. 65.0 ft 19.81 m EOH							

SVEINSON WAY MINERAL SERVICES LTD

DIAMOND DRILL LOG

PROPERTY: Arlington
LOGGED BY: G. Allen
DATE LOGGED: May 10/81
DATE COLLARED: May 8/81
DATE COMPLETED: May 9/81

HOLE No.: B-80
LOCATION: Hatson
AZIMUTH: 300.1°
DIP AT COLLAR: +19.8°
DEPTH: 49.0/ 14.94m

DIP TESTS
___° AT ___'
___° AT ___'
___° AT ___'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals in feet)	SAMPLE No	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
0-	0-	ALTERED GRANITE										
1.8	0.55	Strong propylitic alt. of granite ppy. Plag. bright bluish green. K-spar greenish gray. Mafics chloritized.	37254	0	1.8	0	0.55	1.8	0.55	23	.07	.13
1.8-	0.55-	GRANITE PPY										
4.4	1.34	Fresh granite K-spar, pink, 2-3 cm, aprox 30% Plag, white to gray, 2-4mm, aprox 40% Quartz, gray, 3-7mm, aprox 20% Mafics, Hb greater than Bi, 2-4mm masses, aprox. 10%.										
4.4-	1.34-	VEIN & ALTERATION ZONE										
4.9	1.49	White quartz vein with chloritic altered granite (silicified). Vein aprox 3 cm. Barren	37255	4.4	4.9	1.34	1.49	0.5	0.15	.00	.03	.01
4.9-	1.49-	GRANITE PPY										
6.8	2.07	Fresh granite.										
6.8-	2.07-	APLITE/PEGMATITE										
7.4	2.26											
7.4-	2.26-	GRANITE PPY										
11.5	3.51	Fresh Granite										
11.5-	3.51-	ALTERED GRANITE	37256	11.5	15.0	3.51	4.57	3.5	1.06	.00	.00	.01
15.0	4.57	Weak to moderate chloritic alt. of granite ppy. 14.8 - 15.0, Silicified zone										
15.0-	4.57-	GRANITE PPY										
18.4	5.61	Fresh Granite										
18.4-	5.61-	ALTERED GRANITE	37257	18.4	23.4	5.61	7.13	5.0	1.52	.06	.00	.03
23.4	7.13	Moderate chloritic to epidotic alt. of granite.										

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
23.4- 30.8	7.13- 9.39	GRANITE PPY Aprox. fresh granite 26.6 - 27.4- Fine grained granitic dyke										
30.8- 40.0	9.39- 12.19	ALTERED GRANITE Strong propylitic alt. of granite. K-spar dark chloritic green. Plag. bright bluish green. Mafics chloritic. Only quartz unaltered. 33.8 - 35.0, Weak brecciation & silicification 35.0 - 35.5, F.G. chloritic dyke In many places origional textures destroyed Quartz in a f.g. g.n of chlorite, epidote & sericite. 39.0, Traces f.g. galena	37258	30.8	34.8	9.39	10.61	4.0	1.22	.00	.02	.03
			37259	34.8	40.0	10.61	12.19	5.2	1.58	.12	.05	.08
40.0- 42.3	12.19- 12.89	GRANITE PPY Aprox. fresh granite K-spar aprox 40%	37260	40.0	42.3	12.19	12.89	2.3	0.70	.17	.03	.03
42.3- 44.2	12.89- 13.47	ALTERED GRANITE Moderate chloritic alt. of granite ppy. Plag greenish gray. K-spar pink.	37278	42.3	44.2	12.89	13.47	1.9	0.58	.00	.01	.02
44.2- 45.4	13.47- 13.84	GRANITE PPY Weak chloritic alt. Mafics chlottized. Plag slightly discolored.	37279	44.2	45.4	13.47	13.84	1.2	0.37	.00	.02	.02
45.4- 46.4	13.84- 14.14	ALTERED GRANITE Strong chloritic alt.	37280	45.4	46.4	13.84	14.14	1.0	0.30	.06	.03	.04
46.4- 49.0	14.14- 14.94	GRANITE PPY Weak chloritic alt.	37281	46.4	49.0	14.14	14.94	2.6	0.80	.00	.00	.03
		49.0° HIT STOPE E.O.H.										

SVEINSON WAY MINERAL SERVICES LTD. DIAMOND DRILL LOG PAGE 1

PROPERTY	Arlington	HOLE NO.	B-81
LOGGED BY	G. Allen	LOCATION	1+50N
DATE LOGGED	May 13/81	AZIMUTH	300.6°
DATE COLLARED	May 9/81	DIP AT COLLAR	-49.0°
DATE COMPLETED	May 11/81	DEPTH	60.0'/18.29m

DIP TESTS
____° AT ____'
____° AT ____'
____° AT ____'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals in feet)	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
0-4.3	0-1.31	ALTERED GRANITE Strong chloritic alt. of granite ppy. All but quartz altered to f.g. assemblage of clorite, epidote & sericite. Few k-spar phenocrysts vaguely visible. Origional textures destroyed. Silicified (cherty) breccia zone. Traces galena 0- 8.0', 1.5' CORE MISSING	37304	0	4.3	0	1.31	4.3	1.31	.17	.02	.03
4.3-9.1	1.31-2.77	ALTERED GRANITE Weak to moderate propylitic alt. of granite ppy Mafics chloritized. Plagioclase epidotic green K-spar pinkish gray. Origional texture preserved K-spar, 2-3cm, aprox 30% Plag, 3-5mm, aprox 40% Quartz, 2-8mm, aprox 20% Mafics, 2-4mm masses, aprox 10%	37305	4.3	9.1	1.31	≤.77	4.8	1.46	.00	.00	.00
9.1-18.1	2.77-5.52	ALTERED GRANITE Strong chloritic alt. of granite ppy. As 0-4.3 Some silicified parts up to 20cm wide. No veining	37306	9.1	13.1	2.77	3.99	4.0	1.22	.12	.00	.00
			37307	13.1	18.1	3.99	5.52	5.0	1.53	.00	.00	.01
18.1-21.3	5.52-A 6.49	ALTERATION/BRECCIA/STRINGER ZONE Strong chloritic altered granite breccia with quartz matrix & stringers up to 1 cm. Traces sphalerite & galena in quartz. 18.1- 18.5, Broken core.	37308	18.1	21.3	5.52	6.49	3.2	0.97	.06	.04	.04
21.3-23.6	6.49-7.19	ALTERED GRANITE Moderate to strong chloritic, epidotic alt. K-spar pink to greenish gray. 23.2, Quartz stringer at 25° to core. 5mm 5cm silified zone	37309	21.3	23.6	6.49	7.19	2.3	0.70	.12	.01	.00
23.6-28.4	7.19-8.66	SILICEOUS ALTERED GRANITE Strong chloritic/epidotic. Moderately siliceous. Traces Gl,Sp & Py	37310	23.6	28.4	7.19	8.66	4.8	1.47	.06	.04	.03

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
		24.6 - 24.9, Quartz filled breccia. Traces Gl & Sp										
		27.0, 1 cm gouge zone										
28.4-	8.66-	ALTERATION/STRINGER ZONE										
29.2	8.90	28.4 - 28.6, Composite quartz vein & chloritic altered granite. Veins at 65° tocore. Aprox 5% galena & sphalerite in pods up to 5 mm.	37311	28.4	29.2	8.66	8.90	0.8	0.24	.29	.14	.17
		28.6 - 29.0, Moderately siliceous, strong epidotic alt. of granite ppy/										
		29.0 - 29.2, Barren white quartz vein.										
29.2-	8.90-	ALTERED GRANITE										
35.0	10.67	Strong epidotic to chloritic alt. of granite ppy. Quartz crystals (rounded) in a f.g. groundmass of epidote, chlorite sericite (+?)	37312	29.2	35.0	8.90	10.67	5.8	1.77	.17	.04	.09
		32.8, - 33.2, Greenish gray cherty material Brecciated.										
35.0-	10.67-	BRECCIA/GOUGE ZONE										
36.4	11.09	Strong chloritic alt. granite. Brecciated & sheared to gouge (@ 60° to core)	37313	35.0	36.4	10.67	11.09	1.4	0.42	35	.01	.00
		36.4 - Quartz stringer (aprox 3mm) with traces Galena										
36.4-	11.09-	ALTERED GRANITE										
39.5	12.04	Strong chloritic altered granite										
		37.9, 1 cm quartz stringer, gouge & breccia zone.	37314	36.4	39.5	11.09	12.04	3.1	0.95	.06	.03	.00
39.5-	12.04-	ALTERED GRANITE										
46.2	14.08	Weak to moderate chloritic alt. granite. K-spar pink. Origional textures preserved.	37315	39.5	46.2	12.04	14.08	6.7	2.04	.06	.01	.00
46.2-	14.08-	ALTERED GRANITE										
50.0	15.24	Strong epidotic, silicic alt. of granite ppy.	37316	46.2	50.0	14.08	15.24	3.8	1.16	23	02	.03
50.0-	15.24-	ALTERED GRANITE										
60.0	18.29	Strong chloritic epidotic alt. of granite. Only quartz not altered. G.M.-F.G., dark green aggregate of chlorite, epidote, sericite (plus?)										
		Vague K-spar phenos visible. Most origional texture destroyed. Traces, Gl	37317	50.0	55.0	15.24	16.76	5.0	1.52	.06	.07	.05
			37318	55.0	60.0	16.76	18.29	5.0	1.53	.17	.01	.08
		59.0-59.1, Brecciated quartz & granite in a gouge matrix. Traces Gl. 60.0 BROKE THROUGH										
		E.O.H.										

SVEINSON WAY MINERAL SERVICES LTD

DIAMOND DRILL LOG

PROPERTY: Arlington
LOGGED BY: C. Allen
DATE LOGGED: May 6/81
DATE COLLARED: May 4/81
DATE COMPLETED: May 5/81

HOLE NO.: B-82
LOCATION: 14+60N
AZIMUTH: 302.3°
DIP AT COLLAR: +12.0°
DEPTH: 49.0'/14.94m

DIP TESTS
___° AT ___'
___° AT ___'
___° AT ___'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals in feet)	SAMPLE No	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
0- 0.5	0- 0.15	ALTERED GRANITE Silicified, chloritic granite. Plag. light greenish gray. Mafics chlorotized. K-spar phenos brownish to greenish gray. (Plag (?) goethitic in places)		0	3.9	0	1.19	3.9	1.19			
0.5- 1.1	0.15- 0.34	QUARTZ VEIN aprox 4 cm quartz vein at 10° to core. Small sericite pods up to 2 mm in quartz. Some chloritic inclusions & pods calcite, 1 - 2cm.										
1.1- 3.9	0.34- 1.19	ALTERED GRANITE]Silicified, moderately chloritic granite. K-spar pink. Plag., greenish										
3.9- 5.7	1.19- 1.74	ALTERED GRANITE Weak chloritic alteration. Chloritized mafics 0 - 7' - 6.3' ACTUAL	37118	3.9	5.7	1.19	1.74	1.8	0.55	.00	01	.02
5.7- 7.2	1.74- 2.19	ALTERED GRANITE Moderate chloritic alt.	37119	5.7	7.2	1.74	2.19	1.5 (0.7' missing)	0.45	.00	.03	.04
7.2- 9.3	2.19- 2.83	ALTERED APLITE/F.G. GRANITIC INTRUSIVE Pink to greenish gray weakly chloritic assemblage of f.g. quartz & feldspar. Parts of the dyke appear to have aprox 10% chloritized mafics.		7.2	9.3	2.19	2.83	2.1	0.64	.00	.00	.03
9.3- 13.0	2.83- 3.96	ALTERED GRANITE Moderate to strong chloritic alt. of granite ppy K-spar pink to greenish gray. Plag. greenish gray to bright bluish green. Mafics chloritized.	37121	9.3	13.0	2.83	3.96	3.7	1.13	.06	.04	04
13.0- 13.7	3.96- 4.18	APLITE F.G. pink aplite	37261	13.0	13.7	3.96	4.18	0.7	0.22	00	.00	.02

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET From	FEET To	METERS From	METERS To	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
13.7- 15.1	4.18- 4.60	ALTERED GRANITE Strong chloritic alt. of granite. K-spar dark green. Quartz - gray. Dark green chloritic G.M.	37262	13.7	15.1	4.18	4.60	1.4	0.42	oo	07	.04
15.1- 16.0	4.60- 4.88	GRANITE PPY Relatively fresh granite ppy. Mafics weakly chloritized.	37263	15.1	16.0	4.60	4.88	0.9	0.28	.06	.00	.01
16.0- 16.3	4.88- 4.97	VEIN & ALTERATION ZONE 2cm quartz vein at 30° to core. Weak chlor. alt.	37264	16.0	16.3	4.88	4.97	0.3	0.09	06	.03	.02
16.3- 20.0	4.97- 6.10	ALTERED GRANITE (WEAK) Weakly chloritic to epidotic granite. Plag. greenish gray. Mafics chloritized. 17.0-20.0, Pegmatitic phase of granite K-spar aprox 70% +	37265	16.3	20.0	4.97	6.10	3.7	1.13	00	00	.02
20.0- 23.4	6.10- 7.13	ALTERATION & SHEAR ZONE Moderate to strong chloritic, epidote alt. of granite ppy. K-spar pink to greenish gray. Mafics chloritized. Plag. bluish green to white 21.2-22.0, sheared granite at 15° to core. Minor gouge.	37266	20.0	23.4	6.10	7.13	3.4	1.03	.06	.01	.01
23.4- 24.4	7.13- 7.44	ALTERED GRANITE Moderate propylitic alt. of granite ppy. K-spar pink. Plag. bluish green. Mafics chloritized.	37267	23.4	24.4	7.13	7.44	1.4?	0.31	00	.00	.04
24.4- 26.7	7.44- 8.14	GRANITE PPY Fresh to weak propylitic alt. of granite Plag, greenish gray Mafics, chloritized K-spar, pink	37268	24.4	26.7	7.44	8.14	2.3	0.70	.00	.00	.00
26.7- 29.9	8.14- 9.11	ALTERED GRANITE Strong chloritic epidote alt. K-spar gray to dark green. Plag. dark green to bright bluish green. Mafics chloritized. Origional texture partially preserved.	37269	26.7	29.9	8.14	9.11	3.2	0.97	00	.01	.04
29.9- 32.3	9.11- 9.85	GRANITE PPY Weakly propylitically alt. granite. Plag, Greenish gray, Mafics, chloritic.	37270	29.9	32.3	9.11	9.85	2.4	0.74	.06	.00	.04

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET From	FEET To	METERS From	METERS To	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
32.3- 35.0	9.85- 10.67	ALTERATION AND SHEAR ZONE Strong chloritic, epidotic alt. of granite. Plag dark green to blue-green. K-spar dark green 32.4 - 32.5, Brecciated quartz & sericitic sheared granite. Some gouge. Traces galena.	37271	32.3	35.0	9.85	10.67	2.7	0.82	.00	.08	.07
35.0- 36.5	10.67- 11.13	GRANITE PPY Weak argillic alt. of plag. (white to brown)	37272	35.0	36.5	10.67	11.13	1.5	0.46	.00	.00	.03
36.5- 37.4	11.13- 11.40	ALTERED GRANITE Strong prop. alt. 37.0 - 5mm quartz stringer.	37273	36.5	37.4	11.13	11.40	0.9	0.27			
37.4- 38.3	11.40- 11.67	GRANITE PPY As 35.0 - 36.5	37274	37.4	38.3	11.40	11.67	0.9	0.27	.00	02	.03
38.3- 40.1	11.67- 12.22	ALTERED GRANITE Strong prop. alt.	37275	38.3	40.1	11.67	12.22	1.8	0.55	17	.05	.04
40.1- 42.8	12.22- 13.05	GRANITE PPY Weakly chloritic granite. Mafics chloritized Plag. brownish.	37276	40.1	42.8	12.22	13.05	2.7	0.83	.00	02	.04
42.8- 43.7	13.05- 13.32	ALTERED GRANITE Moderate epidote chloritic alt.	37277	42.8	43.7	13.05	13.32	0.9	0.27	.17	00	.04
43.7- 49.0	13.32- 14.94	GRANITE PPY as 40.1 - 42.8										
		E.O.H.										

SVEINSON WAY MINERAL SERVICES LTD

DIAMOND DRILL LOG

PROPERTY: Arlington
LOGGED BY: G. Allen
DATE LOGGED: May 9/81
DATE COLLARED: May 7/81
DATE COMPLETED: May 9/81

HOLE NO.: B-83
LOCATION: 1+60N
AZIMUTH: 300.9°
DIP AT COLLAR: -41.0°
DEPTH: 53.0'/16.15m

DIP TESTS
___° AT ___'
___° AT ___'
___° AT ___'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals in feet)	SAMPLE NO.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
0- 3.5	0- 1.07	GRANITE PPY Fresh to weakly chloritic, limonitic granite. Mafics chloritized. Plag. gray to brownish. Broken core.										
3.5- 5.4	1.07- 1.65	PEGMATITE DYKE										
5.4- 12.2	1.65- 3.72	ALTERED GRANITE Strong chloritic epidotic altered granite. Rock appears to have been ground to fine grained texture in places. Origional texture destroyed.	37282	5.4	12.2	1.65	3.72	6.8	2.07	.06	.03	.02
12.2- 23.3	3.72- 7.10	GRANITE PPY Fresh granite.										
23.3- 26.7	7.10- 8.14	ALTERED GRANITE Pervasive chloritic alt. All but quartz alt. to dark green. Origional texture destroyed. Some sericite developed in g.m. 24.3 - 24.5, silicified breccia zone with traces galena 26.0 - 26.7, Silicified breccia zone (brecciated vein?) traces sphalerite	37283	23.3	26.7	7.10	8.14	3.4	1.04	.06	.02	.10
26.7- 27.2-	8.14- 8.29	BRECCIA / GOUGE ZONE Altered granite brecciated with clay matrix. Sericite. Some silification traces galena	37284	26.7	27.2	8.14	8.29	0.5	0.15	09	.12	.07
27.2- 45.5	8.29- 13.87	ALTERED GRANITE Strong chloritic to epidotic alt. of all but quartz. Origional texture destroyed. Rounded qtz. in a f.g. g.m. of chlorite, epidote + sericite. Traces Gl & sp, usually associated with narrow qtz stringers & silified zones 30.0-34.0, 1.2' MISSING	37285 38286 37287	27.2 31.2 35.2	31.2 35.2 39.2	8.29 9.51 10.73	9.51 10.73 11.95	4.0 4.0 (1.2' missing) 4.0	1.22 1.22 1.22	.23 .17 06	.09 .14 .02	.15 .11 .07

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
		40.2-40.7, Altered aplite? Traces dissem. galena	37288	39.2	43.2	11.95	13.17	4.0	1.22	.06	.04	08
		43.9-44.5, Siliceous breccia zone. (44.5) -2mm zone of f.g. sulphides along fracture. Vis. Ag as fine flakes on fracture surface.	37289	43.2	45.5	13.17	13.87	2.3	0.70	6.29	06	.06
45.5-46.5	13.87-14.17	QUARTZ, SULPHIDE FILLED BRECCIA ZONE aprox 20% f.g. galena & sphalerite in quartz as matrix in breccia. VISIBLE Ag as fine flakes along fractures.	37290	45.5	46.5	13.87	14.17	1.0	0.30	22.6	20.8	360
46.5-51.3	14.17-15.64	ALTERED GRANITE As 27.2 - 45.5 48.5 - 2cm gouge zone	37291	46.5	51.3	14.17	15.64	4.8	1.46	.12	.05	.10
51.3-52.2	15.64-15.91	SILICIFIED SULPHIDE ZONE aprox 20% sulphides in quartz filled breccia f.g. galena & sphalerite.		51.3	52.2	15.64	15.91	0.9	0.27	4.31	18.2	4.10
52.2-53.0	15.91-16.15	ALTERED GRANITE Strong chloritic altered granite. Traces galena	37293	52.2	53.0	15.91	16.15	0.8	0.24	.17	.19	09
		53.0 HIT STOPE										
		EOH										

SVEINSON WAY MINERAL SERVICES LTD. — DIAMOND DRILL LOG — PAGE 1

PROPERTY	Arlington	HOLE NO.	B-87
LOGGED BY	G. Allen	LOCATION	14485n
DATE LOGGED	May 3/81	AZIMUTH	266.1°
DATE COLLARED	Apr. 30/81	DIP AT COLLAR	-80.5°
DATE COMPLETED	Apr. 30/81	DEPTH	35.0'

DIP TESTS
____° AT ____'
____° AT ____'
____° AT ____'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals in feet)	SAMPLE NO.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
0-	0-	ALTERED GRANITE	37214	0	4.0	0	1.22	4	1.22	.00	.03	.00
6.4	1.95	Moderate to strongprop. alt. of granite. K-spar pink to greenish gray. Plagioclase altered to soft bluish green. Mafics to chlorite. Original texture largely destroyed. Some sericite development.	37215	4.0	8.0	1.22	2.44	4	1.22	.00	.01	.04
			37216	8.0	12.0	2.44	3.66	4	1.22	.00	.02	.01
6.4-	1.95-	QUARTZ VEIN	37217	12.0	16.0	3.66	4.88	4	1.22	.23	.23	.23
6.5	1.98	Barren white quartz	37218	16.0	20.0	4.88	6.10	4	1.22	.00	.03	.08
			37219	20.0	24.0	6.10	7.32	4	1.22	.00	.07	.00
6.5-	1.98-	ALTERED GRANITE	37220	24.0	28.0	7.32	8.53	4	1.22	.06	.11	.12
34.0	10.36	As 0-6.4 --epidote rich altered g.m.	37221	28.0	31.0	8.53	9.45	3	0.91	.17	.07	.18
		12.4-15.2 -- Trace f.g. disstm. sulphides in predominantly epidotic altered granite. Not much chlorite.										
		18.5-21.2 -- Dark green chloritic alteration of g.m.										
		23.5-26.0 -- Traces F.G. disseminated galena and sphalerite.										
		26.4-26.8 -- Epidote colored aplite dyke.										
		27.0-34.0 -- Increase in chloritic content.										
		29.0-29.2 -- Quartz filled breccia/vein at 45° to core. Traces sphalerite.										
		31.0-32.3 -- Quartz filled brecciated zone. Traces Gl, Sp.	37222	31.0	32.3	9.45	9.85	1.3	0.40	.00	.03	.07
			37223	32.3	34.0	9.85	10.36	1.7	0.52	.06	.06	.11
34.0-	10.36-	ALTERATION/GOUGE ZONE	37224	34.0	35.0	10.36	10.67	1.0	0.30	.27	.10	.07
35.0	10.67	Chloritic altered, sheared granite. Some greenish silicious breccia fragments. Traces galena, sphalerite.										
		Hit Old stope at 35.0'.										
		E.O.H.										

SVEINSON WAY MINERAL SERVICES LTD — DIAMOND DRILL LOG — PAGE 1

PROPERTY: Arlington
LOGGED BY: T. Henneberry
DATE LOGGED: May 1/81
DATE COLLARED: April 29/81
DATE COMPLETED: April 30/81

HOLE NO.: B-88
LOCATION: 14+90n
AZIMUTH: 345.7°
DIP AT COLLAR: -33.0°
DEPTH: 86'/26.21m

DIP TESTS
___° AT ___'
___° AT ___'
___° AT ___'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals in feet)	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
0- 11.1	0- 3.38	ALTERED GRANITE Zone of pervasive chloritic alt. masking all minerals in the core. 20% of the fractures show limonite stain. 0 - 4.0, Zone of broken core in which 1.9' is missing. The chlorité masks the entire zone. There are small quartz stringers within the broken core (unmineralized) weak limonte is evident along 10% of fractures. 4.0-8.2, Similar to the above zone, but with total core recovery and less fracturing. Quartz seems to be ubiquitous(influx or regrowth of silica) 40% of fractures show slickensides. 8.2-11.1, Zone of pervasive chlorite, but with significant veining. The vein quartz is heavily fractured. There is 1% visible galena (in the veining). Because the zone is so broken up, you cannot get an accurate fix on the veins position	37351	0	4.0	0	1.22	4.0	1.22	Tr	.06	.14
			37352	4.0	8.2	1.22	2.50	4.2	1.28	.04	.14	.22
			37353	8.2	11.1	2.50	3.38	2.9	0.88	Tr	.16	.25
11.1- 12.2	3.38- 3.72	GRANITE PPY Zone of weak chloritic alt. marked by kaolinization/ chloritization of the plagioclase. Chloritization of the mafics. All non drill induced fractures show strong chlorite. The k-feldspar phenocrysts are only partially visible (pink) Composition: K-feldspar phenocrysts (20 - 30% Plagioclase (30 - 40%) Quartz, (15 - 20%) Mafics (10 - 15%) Biotite greater than hornblende										
12.2- 13.8	3.72- 4.21	ALTERED GRANITE Zone of strong chloritic alt. in which only the k-feldspar remains partially pink. Plagioclase and mafics are completely chloritized. All fractures show pervasive chlorite, 20% show slickensides.	37354	12.2	13.8	3.72	4.21	1.6	0.49	02	04	.02

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
13.8-17.2	4.21-5.24	GRANITE PPY Zone of weak to mod. chloritic alt. marked by kaolinization/chloritization of plagioclase & chloritization of mafics. All fractures show moderate to strong chlorite. 20% show slickensides.												
17.2-21.8	5.24-6.64	ALTERED GRANITE Zone of strong to intense chloritic alt. K-feld spar is partially to completely chloritized. P Plagioclase and mafics are chloritized. Fractures are moderately to strongly chloritized and show weak clays.	37355	17.2	21.8	5.24	6.64	4.6	1.40	Tr	.04	.03		
21.8-24.3	6.64-7.41	ALTERATION ZONE Zone of pervasive chlorite marked by moderate quartz veining(unmineralized) veins are 1-2cm and are at 50 - 70° to core. All fractures show intense chlorite. 20% of fractures show slickensides.	37356	21.8	24.3	6.64	7.41	2.5	0.76	.06	.04	.02		
24.3-26.9	7.41-8.20	SHEARING ZONE Zone of pervasive chlorite marked by zones of gouging. The gauged zones show rounded quartz and considerable rock flour & argillic alt. The zones are: 24.3-25.1 ft and 25.9-26.9 ft. The remaining core shows a gouging effect on its exterior.	37357	24.3	26.9	7.41	8.20	2.6	0.79	.64	.12	.05		
26.9-27.8	8.20-8.47	ALTERATION ZONE Zone of pervasive chlorite marked by moderate quartz veining. The zone shows 1-2% galena and a gouge zone from 27.0 - 27.4 feet.	37358	26.9	27.8	8.20	8.47	0.9	0.27	3.12	.18	.16		
27.8-34.7	8.47-10.58	ALTERED GRANITE Zone of strong chloritic alt. with only the k-feldspar remianing partially pink. Strong fracturing marked by strong chlorite. 10% of fractures show slickensides.	37359	27.8	34.7	8.47	10.58	6.9	2.10	04	.02	.02		
34.7-41.2	10.58-12.56	ALTERED GRANITE Zone of weak to mod. chloritic alt. The k-feld-spar is fairly fresh. The plagioclase shows moderate to strong chloritization. The mafics show strong chloritization. There is a small 1cm gouge at 37.8, and a 1.0' wash at 38.8'/ Fractures show mod. to strong chlorite.	37360	34.7	41.2	10.58	12.56	6.5	1.98	.08	.02	01		

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
41.2- 41.7	12.56- 12.71	SHEAR ZONE Zone of intense chlorite, with rounded quartz grains. The entire zone shows strong argillic alt. and is predominantly rock flour.	37361	41.2	41.7	12.56	12.71	0.5	0.15	.28	06	06		
41.7- 43.1	12.71- 13.14	ALTERED GRANITE Zone of weak to mod. chloritic alt. The k-feldspar isfairly fresh. The plagioclase shows mod. kaolinization/chloritization. The mafics are chloritized. Fractures show moderate chlorite.												
43.1- 61.5	13.14- 18.75	GRANITE PPY . Fresh to weakly chloritically alt. granite. The plagioclase shows weak to non-existant kaolinization. The mafics show strong to mod. chloritization. There is 1-2% (locally to 10%) matrix k-feldspar, 20% of fractures show chlorite and 20% show hematite. The zone is cut by four mafic stringers. These stringers show moderate chloritization 1) at 44.6-44.8' at 50° to core, 2) at 50.3-50.4' at 40° to core, 3) 51.9-60.1' at 70° to core, and 4) 59.3-59.4 at 70° to core. There is a zone of 70% k-feldspar from 50.5 - 51.8 feet.											
61.5- 63.1	18.75- 19.23	GRANITE PPY Fresh granite marked by an increase (to 40%) in mafics. These mafics show weak chloritization.												
63.1 - 70.1	19.23- 21.37	GRANITE PPY Fresh granite.												
70.1- 72.8	21.37- 22.19	GRANITE PPY Weakly altered granite, marked by the chloritization of the mafics and the kaolinization of the plagioclase. There is 2% matrix k-feldspar. 40% of fractures show moderate chlorite and/or hematite.												
72.8- 74.2	22.19- 22.62	ALTERED GRANITE Zone marked by moderate chloritization, & kaolinization/chloritization ofplagioclase. fractures show moderate to intense chlorite, & moderate clays.	37362	72.8	74.2	22.19	22.62	1.4	0.43	.12	Tr	.03		

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS
74.2- 76.6	22.62- 23.35	GRANITE PPY Weakly altered granite, marked by chloritization of the mafics and the kaolinization of the plagioclase. There is 5% matrix k-feldspar. 40% of fractures show moderate chloritic and/or hematite/limonite.							
76.6- 77.7	23.35- 23.68	MAFIC DYKE at 40° to core. The dyke contains 10% k-feldspar and 2% visible quartz. Possible related increased mafic zone above Weak chloritization.							
77.7- 86.0	23.68- 26.21	GRANITE PPY Fresh granite							
		86.0'/ 26.21m E.O.H.							

SVEINSON WAY MINERAL SERVICES LTD — DIAMOND DRILL LOG —

PROPERTY	Arlington	HOLE NO.	B-89
LOGGED BY	G. Allen	LOCATION	14+85n
DATE LOGGED	May 5, /81	AZIMUTH	305.0°
DATE COLLARED	Apr. 29/81	DIP AT COLLAR	-30.5°
DATE COMPLETED	Apr. 29/81	DEPTH	47.0'/14.33m

DIP TESTS
____° AT ____'
____° AT ____'
____° AT ____'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals in feet)	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
0- 1.7	0- 0.52	CASING (MARKED AS 0-4') 5.3' Between 4' Mark & 7' mark												
1.7- 3.7	0.52- 1.13	ALTERED GRANITE (STRONG) Moderatly silicified, epidote rich altered granite with a few dark green chloritic patches probably representing K-spar phenocrysts. Origional textures destroyed. Quartz crystals (rounded in a f.g., epidote rich, chloritic g.m. 1.7 – 2.0- Broken ground core with dissem. galena and traces VIS Ag 2.0-3.7- Traces disseminated f.g. galena through out. Some crystalline galena in fine quartz stringers.	[illegible]	1.7	3.7	0.52	1.13	2.0	0.61	.58	15	.00		
3.7- 4.9	1.13- 1.49	ALTERED APLITE Fine grained epidote rich greenish gray rock. Assemblage of plag & quartz. Altered aplite? Traces dissem. galena	[illegible]	3.7	4.9	1.13	1.49	1.2	0.36	.12	.10	.05		
4.9- 7.4	1.49- 2.26	ALTERED GRANITE (STRONG) As 1.7 – 3.7 Traces galena	[illegible]	4.9	7.4	1.49	2.26	2.5	0.77	47	.12	.05		
7.4- 9.6	2.26- 2.93	QUARTZ BRECCIA Brecciated vein? or siliceous zone. Few distinct quartz fragments. 4-5mm masses of f.g. chlorite sericite & epidote. Aprox 20%. F.G. sulphides along fractures. Aprox 1-2%. 8.8 – 9.2 - Altered granite.	[illegible]	7.4	9.6	2.26	2.93	2.2	0.67	.23	.44	.01		

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals in feet)	SAMPLE No	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
9.6-11.0	2.93-3.35	ALTERED GRANITE (STRONG) Vague indication of origional texture. Soft epidotic green K-spar phenos to rounded quartz crystals in a bluish green to epidote green. g.m. of altered plag & mafics. Traces sulphides 10.9-11.0- Quartz vein with aprox 5% galena & sphalerite 7.0-17.0- 1.6' MISSING CORE.	[illegible]	9.6	11.0	2.93	3.35	1.4	0.42	1.39	.41	.50
11.0-12.0	3.35-3.66	ALTERED APLITE DYKE Moderately silicous, epidotic greenish gray aggregate of quartz & plag. Traces galena.	[illegible]	11.0	12.0	3.35	3.66	1.0	0.31	.27	.11	.07
12.0-15.8	3.66-4.82	ALTERED GRANITE (STRONG) Strong chloritic, epidotic alt. of granite ppy. K-spar crystals vague. Some brecciation & silicification.	[illegible]	12.0	15.8	3.66	4.82	3.8 (1.6 missing)	1.16 missing)	00	.03	.04
15.8-18.2	4.82-5.55	ALTERED GRANITE (WEAK TO MODERATE) Moderate to weak chloritic, prop. alt of granite K-spars-pink, plag.-brownish, Mafics chloritized.	[illegible]	15.8	18.2	4.82	5.55	2.4	0.73	.00	.00	.02
18.2-21.3	5.55-6.49	ALTERED GRANITE (STRONG) Strong chloritic, epidotic alt. of granite ppy. Origional textures preserved. K-spar phenos dark chloritic green. Plag bluish green (soft) Mafics- brown to chloritic. Quarts- rounded, gray. Traces sulphides.	[illegible]	18.2	21.3	5.55	6.49	3.1	0.94	.00	.02	01
21.3-22.5	6.49-6.86	ALTERED GRANITE (MODERATE) Moderate prop. alt. As above but K-spar pink.	[illegible]	21.3	22.5	6.49	6.86	1.2	0.37	00	.02	.03
22.5-23.7	6.86-7.22	ALTERED GRANITE (STRONG) As 18.2 - 21.3	[illegible]	22.5	23.7	6.86	7.22	1.2	0.36	.00	.00	.04
23.7-26.8	7.22-8.17	ALTERED GRANITE (WEAK TO MODERATE) As 21.3 - 22.5	[illegible]	23.7	26.8	7.22	8.17	3.1	0.95	00	.00	.03
26.8-30.5	8.17-9.30	ALTERED GRANITE PPY (STRONG) As 18.2-21.3. Some argillic alt. 26.8 - 27.3, Greenish gray chloritic aplite.	[illegible]	26.8	30.5	8.17	9.30	3.7	1.13	.12	.07	10

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
31.8-41.0	9.69-12.50	ALTERATION, GOUGE, SILICEOUS BRECCIA ZONE Strong chloritic alt. of porph. granite with aprox 50% sheared or altered to greenish clay gouge with coarse 'sand' of quartz & feldspar grains. Some brecciated siliceous zones (greenish, CHERTY) with traces of sulphides. 35.7-36.1, Brecciated siliceous zone with aprox 20% f.g. galena, sphalerite & hem. 36.7-38.0- Predom. siliceous breccia. Siliceous g.m. & quartz frags, altered granite frags. Traces GALENA. 38.6-39.3, Moderate chloritic alt. ofgranite K-spar pink 39.3-40.3- 1' WASH 40.3- 41.0, As 38.6 - 39.3 with 2 cm clay gouge at 41.9. Aprox 80° to core.	[illegible]	31.8	35.7	9.69	10.88	3.9	1.19	.12	.10	.05
			37243	35.7	36.1	10.88	11.00	0.4	0.12	763	17.90	1.17
			37245	36.1	41.0	11.00	12.50	4.9 (1' missing)	1.50	.17	.06	.07
41.0-46.1	12.50-14.05	WEAKLY ALTERED GRANITE K-spar, Pink to brown, aprox 25% Plag, Brownish, aprox 45% Quartz, Gray. aprox. 20% Mafics, Chloritized.	37244	41.0	46.1	12.50	14.05	5.1	1.55	.00	.00	.02
46.1-47.0	14.05-14.33	GRANITE PPY Fresh granite. White plagioclase E.O.H.										
30.5-31.8	9.30-9.69	ALTERED GRANITE (Moderate) As 21.3 - 22.5	37240	30.5	31.8	9.30	9.69	1.35	0.39	00	01	02

PROPERTY: Arlington
LOGGED BY: T. Henneberry
DATE LOGGED: May 4/81
DATE COLLARED: Apr. 30/81
DATE COMPLETED: May 1/81

HOLE NO.: B-90
LOCATION: 14+85N
AZIMUTH: 125.0°
DIP AT COLLAR: +50.0°
DEPTH: 26.0'/7.92m

DIP TESTS
___° AT ___'
___° AT ___'
___° AT ___'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (INtervals in feet)	SAMPLE NO.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
0-7.3	0-2.22	GRANITE PPY Weakly chloritically alt. granite in which the mafics & the plagioclase shows alt. to chlorite. The plagioclase also shows kaolinization. Fractures show hematite & chlorite (40%). The granitic composition is 30% k-feldspar phenocrysts, 35-40% plagioclase, 20% quartz, and 10-15% mafics (biotite greater than hornblends) The core is well broken up in this zone. There is an aplite dyke moderately chloritized from 3.0 - 3.6 feet (?) at 80° to core. 2.9 feet of core is missing in this zone.										
7.3-9.3	2.22-2.83	ALTERATION ZONE Zone of strong to pervasive chloritic alt., in which the k-feldspar is partially to completely chloritized. Quartz is subrounded (movement?) Unmineralized 1 cm quartz stringer at 9.2' at 30° to core.	37225	7.3	9.3	2.22	2.83	2.0	0.61	.00	.06	.04
9.3-9.9	2.83-3.02	GRANITE PPY Weakly chloritized granite, showing chloritization of the mafics and moderate chloritization, kaolinization of the plagioclase.										
9.9-12.4	3.02-3.78	ALTERED GRANITE Zone of strong to pervasive chlorite alt. in which the plagioclase and mafics are completely chloritized. The k-feldspar is partially to completely chloritized. The core is fairly well fractured, with 30% of fractures showing limonite 10% showing slickensides.	37226	9.9	12.4	3.02	3.78	2.5	0.76	.00	.01	.00
12.4-14.5	3.78-4.42	GRANITE PPY Zone marked by weak kaolinization of the plagioclase and an increase of 5% of matrix k-feldspar. The mafics show chloritization as do the edges										

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS
		20% of the k-feldspar phenocrysts.							
14.5-14.8	4.42-4.51	PARAGNEISSIC INCLUSION Showing no visible alteration.							
14.8-20.8	4.51-6.34	GRANITE PPY Zone of fresh to weaklyalt. granite in which the plagioclase shows weak to mod. kaolinization and the mafics show chloritization. 10% of fractures show moderate epidote.							
20.8-22.0	6.34-6.71	GRANITE PPY Zone marked by an increase to 80% of k-feldspar The remaining mafics are chloritized & the plagioclase shows weak to moderate kaolinization							
22.0-26.0	6.71-7.92	GRANITE PPY Zone of fresh to weakly alt. granite marked by moderate kaolinization of plagioclase and chloritization of mafics. There is also 5% matrix k-feldspar. 20% of k-feldspar phenocrysts show chlorite and/or epidote along their edges and fractures. 10% fractures show epidote, 20% show moderate chlorite, and 10% show limonite. 26.0'/ 7.92m E.O.H.							

PROPERTY: Arlington
LOGGED BY: T. Henneberry
DATE LOGGED: April 29/81
DATE COLLARED: April 25/81
DATE COMPLETED: April 25/81

HOLE NO.: B-91
LOCATION: 15+95N
AZIMUTH: 300.8°
DIP AT COLLAR: +19.5°
DEPTH: 52'/15.05m

DIP TESTS
___° AT ___'
___° AT ___'
___° AT ___'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals in feet)	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS
0- 3.8	0- 1.16	ALTERED GRANITE Granite ppy showing moderate chloritic alt., in which the matrix plagioclase (30 - 40%) and mafics (10 - 15%) are chloritized. The k-feldspar phenocrysts 30% (locally to 70%) are pink although the edges show signs of chloritization. Quartz makes up 10 - 15% of the groundmass. Matrix k-feldspar ranges from 0 to 10%. 1-2% of the plagioclase shows complete alteration to clays.							
3.8- 4.3	1.16- 1.31	ALTERED GRANITE Granite ppy showing weak chloritic alteration as well as weak kaolinization of the plagioclase A small chloritized mafic stringer at 20° to core.							
4.3- 7.7	1.31- 2.35	GRANITE PPY Zone of weak chloritic alt. also showing kaolinization of the plagioclase and slight argillic alteration. 5% of fractures show weak chloritic alteration.							
7.7- 8.1	2.35- 2.47	APLITE DYKE at 70° to core. Shows weak chloritic alteration.							
8.1- 13.8	2.47- 4.21	GRANITE PPY Showing weak chloritic alt. as well as moderate kaolinization of the plagioclase. There is an increase to 4% of matrix k-feldspar. There is a small 0.3 ft. aplite dyke at 10.0 ft. at 70° to core.							
13.8- 15.0	4.21- 4.57	APLITE DYKE at 65° to core. The dyke shows weak chloritic alteration. 70% of fractures show weak chlor. alt.							

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET From	FEET To	METERS From	METERS To	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
15.0-16.0	4.57-4.88	ALTERATION ZONE Zone of pervasive chloritic alteration. Core seen moderately fractured.	37068	15.0	16.0	4.57	4.88	1.0	0.30	Tr	Tr	03		
16.0-16.8	4.88-5.12	GRANITE PPY Showing weak chloritic alt. as well as moderate kaolinization of the plagioclase. 5% matrix k-feldspar.												
16.8-18.6	5.12-5.67	FINE GRAINED GRANITE DYKE at 85° to core. The dyke shows weak chloritic alteration and a 'gouging effect' along, its exterior. This dyke is cut by a fresh aplite stringer at 17.6 feet at 60° to core.												
18.6-20.0	5.67-6.10	ALTERATION ZONE Zone of moderate to strong chloriticalt. with the k-feldspar phenocrysts remaining pink. The zone shows no visible mineralization.	37069	18.6	20.0	5.67	6.10	1.4	0.43	Tr	Tr	.01		
20.0-25.7	6.10-7.83	GRANITE PPY Zone of weak chloritic alt. also showing moderate kaolinization of the plagioclase. There is a small zone of moderate chloritic alt. from 22.8 - 23.2 feet.												
25.7-26.6	7.83-8.11	APLITE DYKE at 65° to core, showing weak chloritic alteration A 1cm unmineralized quartz stringer cuts the dyke at 26.0 feet.												
26.6-33.6	8.11-10.24	GRANITE PPY Zone of weak chloritic alt., Also marked by moderate kaolinization of the plagioclase. The driller lost his water at aprox. 32.0 feet. The core from 32.0 to 34.0 ft. is extremely fractured and broken up.												
33.6-34.0	10.24-10.36	APLITE DYKE at 70°(?) to core. The dyke seems fairly fresh.												

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No	FEET From	FEET To	METERS From	METERS To	WIDTH FEET	WIDTH METRES	Ag	Pb	Zn
34.0-39.3	10.36-11.98	GRANITE PPY Zone of weak (locally to moderate) chloritic alt. also showing moderate kaolinization.										
39.3-40.3	11.98-12.28	ALTERED GRANITE Zone of moderate chloritic alt. Increase to 50% in k-feldspar phenocrysts. There seems to be a gouging effect along the exterior of the core.										
40.3-44.2	12.28-13.47	GRANITE PPY Zone of weak chloritic alt. also showing mod. kaolinization of the plagioclase. There is a broken up zone from 42.1 - 43.0 ft.										
44.2-46.3	13.47-14.11	ALTERATION ZONE] Zone of intense chloritic alt., showing limonite along 40% of fractures. The exterior of the core shows a gouging effect. The last 0.2 ft. of the zone carries 5% sphalerite and 1-2% galena.	37070	4.42	46.1	13.47	14.05	1.9	0.58	.12	.02	.03
			37071	46.1	46.3	14.05	14.11	0.2	0.06	.22	.68	.25
46.3-52.0	14.11-15.85	ZONE OF BROKEN CORE With 5.4 ft of core missing. The core remaining shows intense chlorite alteration. HIT STOPE AT 47' E.O.H. 52.0' or 15.85m										

SVEINSON WAY MINERAL SERVICES LTD. DIAMOND DRILL LOG PAGE 1

PROPERTY	Arlington	HOLE NO.	B-92
LOGGED BY	G. Allen	LOCATION	15+95n
DATE LOGGED	April 27/81	AZIMUTH	300.6°
DATE COLLARED	Apr. 24/81	DIP AT COLLAR	-29.5°
DATE COMPLETED	April 25/81	DEPTH	

DIP TESTS
____ ° AT ____ '
____ ° AT ____ '
____ ° AT ____ '

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals in feet)	SAMPLE No	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
0- 0.7	0- 0.21	ALTERED GRANITE Weak chloritic alt. of mafics										
0.7- 1.0	0.21- 0.31	PEGMATITE DYKE K-spar & quartz predominantly.										
1.0- 2.9	0.31- 0.88	ALTERED GRANITE Weak chloritic alter ation of mafics.										
2.9- 8.5	0.88- 2.59	PEGMATITIC GRANITE Pink k-spar predom. aprox. 20% quartz, 5% chloritized mafics. Broken core - 2' GROUND CORE BETWEEN 0 & 7'										
8.5- 9.4	2.59- 2.87	ALTERED GRANITE -Moderate chloritic alteration of granite -Fractured core -Origional textures partially obliterated.										
9.4- 10.4	2.87- 3.17	APLITE/PEGMATITE DYKE K-spar and quartz predom. 0.1' epidotization 9.4 - 9.5										
10.4- 10.9	3.17- 3.32	ALTERED GRANITE Moderate chloritic alteration of granite. Fractured. Mafics chloritized-Plag. greenish gray. K-spar fresh pink.										
10.9- 12.5	3.32- 3.81	APLITE DYKE Fine grained pink k-spar and quartz.										
12.5- 18.5	3.81- 5.64	ALTERATION ZONE Moderate to strong chloritic alt. of granite. K-spar green. 0.8' GROUND CORE	37015	12.5	15.5	3.81	4.72	3.0	0.91	.04	02	.02
			37016	15.5	18.5	4.72	5.64	3.0	0.92	.02	02	.03

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals in feet)	SAMPLE No.	FEET From	FEET To	METERS From	METERS To	WIDTH Feet	WIDTH Meters	Ag	Pb	Zn		
18.5-19.0	5.64-5.79	MASSIVE SULPHIDE ZONE True width aprox. 0.15'. Zone at aprox 15° to core. Sphalertie aprox. 50%, Galena 30-40%. 1mm X 10mm. Zone appears to be a replacement of the granite.	37017	18.5	19.0	5.64	5.79	0.5	0.15	25074	20.03	16.15	[illegible]	[illegible]/12m
19.0-25.7	5.79-7.83	ALTERATION ZONE Moderate to strong chloritic alteration	37018	19.0	22.5	5.79	6.86	3.5	1.07	46	.06	.06		
		Plag. in part altered epidote green	37019	22.5	25.7	6.86	7.83	3.2	0.97	10	.06	06		
25.7-26.2	2.83-7.99	APLITE DYKE F.G. epidote colored Aplite. Some sericite. Aprox. 40° to core.	37020	25.7	26.2	7.83	7.99	0.5	0.16	.04	.02	.03		
26.2-26.3	7.99-8.02	VEIN 3-4mm Galena & splalerite along fracture at aprox. 75° to core. Quartz aprox 0.1' wide.	37021	26.2	26.3	7.99	8.02	0.1	0.03	12	1.31	.40		
26.3-26.6	8.02-8.11	APLITE DYKE As 25.7 - 26.2	37022	26.3	28.0	8.02	8.53	1.7	0.51	.08	.08	.06		
26.6-28.0	8.11-8.53	ALTERATION/SHEAR ZONE Strong chloritic, argillic alteration. Original	37023	28.0	32.0	8.53	9.75	4.0	1.22	.06	.02	.01		
		textures destroyed. 27.1 - 27.2 gauge zone. 70° to core.	37024	32.0	37.0	9.75	11.28	5.0	1.53	.04	Tr	Tr		
28.0-37.0	8.53-11.28	ALTERATION ZONE Moderate to strong chloritic alteration. K-spar predom. pink. Plag. light to dark green												
37.0-41.7	11.28-12.71	ALTERATION, SHEAR, STRINGER ZONE 3.70-37.9, Strong argillic, chloritic, epidote alt. of granite. Fractured core. Textures obliterated.	37025	37.0	37.9	11.28	11.55	0.9	0.27	2.32	Tr	.01		
		37.9-38.3, Quartz stringers & quartz filled breccia zone. 1 cm gouge. Qtz. pyritic.	37076	37.9	38.3	11.55	11.67	0.4	0.12	2.20	.08	.13		
		38.3-39.1, Strong chloritic argillic alt. 1-2cm gouge zones every few cm. Shears at 70° to core Textures obliterated.	37077	38.3	39.1	11.67	11.92	0.12	0.25	.02	.04	.07		
		39.1-40.4- Moderate chloritic alt. of granite. Textures visible.	37078	39.1	40.4	11.92	12.31	1.3	0.39	.06	.02	02		

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
		40.4-41.7, Intensely sheared granite. Gouge zone Predom. clay.	37079	40.4	41.7	12.31	12.71	1.3	0.40	.02	42	.24		
41.7-42.4	12.71-12.92	ALTERED GRANITE Moderate chloritic alteration. Some shearing. Textures mostly destroyed.	37080	41.7	42.4	12.71	12.92	0.7	0.21	4.60	02	.02		
42.4-42.6	12.92-12.98	GOUGE	37081	42.4	42.6	12.92	12.98	0.2	0.07	.01	48	.27		
42.6-44.8	12.98-13.66	ALTERED GRANITE Weak to moderate chloritic alt. k-spar pink. Textures not obscurred.	37082	42.6	44.8	12.98	13.66	2.2	0.68	.02	.02	.02		
44.8-45.4	13.66-13.84	SHEAR ZONE Sheared, altered granite. Intense chloritic, argillic alteration. Gouge. Sheared at aprox 85° to core.	37083	44.8	45.4	13.66	13.84	0.6	0.18	Tr	.04	.03		
45.4-47.0	13.84-14.33	ALTERED GRANITE Weak to moderate chloritic alt.	37084	45.4	47.0	13.84	14.33	1.6	0.49	.02	Tr	.01		
47.0-50.9	14.33-15.51	ALTERED GRANITE Strong chloritic altereation. Textures partially destroyed.	37085	47.0	50.9	14.33	15.51	3.9	1.18	Tr	.06	.10		
50.9-52.0	15.51-15.85	ALTERED GRANITE Pegmatitic phase of granite. Weak chloritic alt.	37086	50.9	52.0	15.51	15.85	1.1	0.34	.06	Tr	.01		
52.0-53.0	15.85-16.15	ALTERED GRANITE Strong chloritic alt. of peg. granite.. Gouge in narrow seams along shears at 75° to core.	37087	52.0	53.0	15.85	16.15	1.0	0.30	.02	.02	.02		

HOLE No. B-10 PAGE 1

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
53.0- 53.3	16.15- 16.25	PEGMATITIC PHASE OF GRANITE	37088	53.0	53.3	16.15	16.25	0.3	0.10	Tr	.02	01		
53.3- 53.6	16.25- 16.34	STRINGER & ALTERATION ZONE Quartz stringer at 70° to core. 1cm wide, with strong chloritic alt. associated.	37089	53.3	53.6	16.25	16.34	0.3	0.09	Tr	04	.10		
53.6- 54.6	16.34- 16.64	ALTERED GRANITE Weak Chloritic alt. of pegmatitic granite.	37090	53.6	54.6	16.34	16.64	1.0	0.3	Tr	.01	.01		
54.6- 55.7	16.64- 16.98	ALTERED GRANITE/SHEAR Strong chloritic alt. of granite. Gouge in narrow seams along shears at 75° to core.	37091	54.6	55.7	16.64	16.98	1.1	0.34	24.26	.88	2.75	6'-.35, .74/2	
55.7- 60.3	16.98- 18.38	ALTERED GRANITE Weak to mod. chloritic altered granite.	37092	55.7	60.3	16.98	18.38	4.6	1.40	2.60	02	.01		
60.3- 62.0	18.38- 18.90	GRANITE PPY Fresh Granite.												
		E.O.H.												

PROPERTY: Arlington
LOGGED BY: G. Allen
DATE LOGGED: April 30/81
DATE COLLARED: April 26/81
DATE COMPLETED: April 26/81

HOLE NO.: B-93
LOCATION: 15+95N
AZIMUTH: 301.1°
DIP AT COLLAR: -48.5°
DEPTH: 26.0'/7.92m

DIP TESTS
___° AT ___'
___° AT ___'
___° AT ___'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals in feet)	SAMPLE No	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
0-5.4	0-1.65	ALTERED GRANITE Weak chloritic alt. of granite. K-spar phenos, 1-2cm, pink, aprox 25% Plag, 2-5mm, greenish gray to brown, Aprox 45% Quartz, 2-6mm, gray, aprox 15% Mafics, 1-4mm, masses, dark green, aprox 10% chloritized. 0 - 1.2- Broken core. 1' MISSING CORE BETWEEN 0 & 4.0' 4.4-4.6, Peg. dyke white feld (plag?) & quartz Aprox. 40° to core.										
5.4-9.7	1.65-2.96	PEGMATITE/APLITE Coarse grained K-spar (pink) and quartz. 3-4% chloritized mafics. Traces PY 7.1 - 7.6, F.C. gray aplite dyke.										
9.7-13.6	2.96-4.15	ALTERATION ZONE 9.7- 12.6, Prop. alt. pegmatitic granite. Greenish to pinkish gray K-spar with epidotic chloritic g.m.	37095	9.7	12.6	2.96	3.84	2.9	0.88	Tr	.06	.03
		12.6- 13.6, Strong chloritic alt. of porph. gran F.G. dissem. galena	37096	12.6	13.6	3.84	4.15	1.0	0.30	Tr	.68	.24
13.6-14.0	4.15-4.27	VEIN/STRINGER ZONE Fine to medium grained galena & sphalerite in quartz stringers & quartz vein/quartz filled breccia zone up to 2 cm wide at 70° to core. Up to 20% sulphides. Some earthy red hematite.	37097	13.6	14.0	4.15	4.27	0.4	0.12	5.16	5.48	1.45
14.0-21.5	4.27-A 6.55	ALTERED GRANITE PPY Strong chloritic, epidotic alt. of porph. gran. K-spar, dark greenish gray Plag, waxy, bluish green In places G.M. between K-spar, F.G. Mass of chlorite. Some sericite development in G.M.	37098	14.0	18.0	4.27	5.49	4.0	1.22	Tr	.04	.02

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
		Traces f.g. dissem. sulphide.												
21.5-22.8	6.55-6.95	ALTERED APLITE F.G., moderately siliceous, epidotic aplite. 22.2-22.4, Silicified, vaguely brecciated part with aprox 5 - galena & sphalerite in 2-5mm masses.	37100	21.5	22.8	6.55	6.95	1.3	0.40	Tr	.16	.09		
22.8-24.7	6.95-7.53	ALTERATION, VEIN, SULPHIDE ZONE Strong chloritic, argillic alt. of porph granite Plag, light bluish green to chloritic green. K-spar, dark green. Rock soft & crumbly 23.3-23.5, Quartz filled breccia zone with 1cm band of fine grained galena, sphalerite & chalcopyrite. VIS. Ag ABUNDANT in 1-2mm plates (max) 23.8-23.9, As above. VIS. Ag. 0.4' MISSING BETWEEN, 22.0' and 25.0'	37026	22.8	24.7	6.95	7.53	1.9 (0.4' missing)	0.58	28.86	.24	1.35		
24.7-26.0	7.53-7.92	ALTERED GRANITE Strong chloritic, epidotic alt. of porph granite HIT OLD STOPE E.O.H. 26.0 feet, 7.92m	37027	24.7	26.0	7.53	7.92	1.3	0.40	Tr	Tr	.05		

SVEINSON WAY MINERAL SERVICES LTD. DIAMOND DRILL LOG PAGE 1

PROPERTY: Arlington
LOGGED BY: T. Henneberry
DATE LOGGED: April 30/81
DATE COLLARED: April 27/81
DATE COMPLETED: April 27/81

HOLE NO.: B-94
LOCATION: 15+95n
AZIMUTH: 300.1°
DIP AT COLLAR: -71.0°
DEPTH: 32' /9.75m

DIP TESTS
___° AT ___'
___° AT ___'
___° AT ___'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals in feet)	SAMPLE NO.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS
0-7.0	0-0.61	CASING							
2.0-2.9	0.61-0.88	GRANITE PPY Zone of weak chloritic alteration, also marked by moderate kaolinization of plagioclase. The mineral percentages are: K-feldspar as phenocrysts (30%) Plagioclase (30 - 40%) Quartz, (10 - 15%) Mafics (biotite greater than hornblende; 10-15%) This zone shows extremely broken and fractured core.							
2.9-4.3	0.88-1.31	APLITE DYKE at 65° to core. The dyke is pegmatitic in zones, and shows weak fracturing, but no alteration.							
4.3-7.7	1.31-2.35	GRANITE PPY Zone marked by cholritization of mafics, and weak kaolinazation of plagioclase. 40% of fractures show hematite and/or chloritic alteration.							
7.7-10.2	2.35-3.11	GRANITE PPY This zone is similar to the above zone, except that there is an increase to 60% of K-feldspar. 20% of the plagioclase is completely altered to clays. Clays can be seen along 20% of the fractures.							
10.2-13.6	3.11-4.15	GRANITE PPY Fresh to weakly chloritically altered granite. Marked by very weak kaolinization of plagioclase (with 2-5% of plagioclase showing complete alteration to clays). Zone of 70% K-feldspar							

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals in feet)	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
		from 10.8 to 12.0 feet.										
13.6	4.15	ALTERATION/SULFIDE ZONE										
15.7	4.78	Zone of pervasive chloritic alteration. Marked by an influx of quartz (predominantly as veining) The non-vein quartz seems sub-angular.	37158	13.6	14.1	4.15	4.3	0.5	0.15	2.48	.08	.09
			37159	14.1	14.8	4.30	4.51	0.7	0.21	.64	1.86	9.00
			37160	14.8	15.7	4.51	4.78	0.9	0.27	Tr	.20	.38
		13.6-14.1 Pervasive chloritic alteration minerals do not seem to show signs of movement.										
		14.1-14.8 Main sulfide zone. Vein at 70° to core (14.1-14.5). 5% Galena, 15% Sphalerite (Recrystallized sulfite)										
		14.8-15.7 Pervasive chloritic alteration. Feldspars show signs of partial grinding. Sub-angular Quartz, the last 0.05 ft contains gauge 1% Galena, 3% Sphalerite.										
15.7-	4.78	ALTERATION ZONE										
19.2	5.85	Zone of pervasive chloritic alteration. There is also a noticable influx (to 30%) of Quartz. (Silicification). Because of the Quartz, this zone is extremely solid. Aplit dykes are heavily masked by chlorite (16.6-16.9 at 70° to core) (18.7-19.2 at 50° to core). 3% Sphalerite.	37161	15.7	19.2	4.78	5.85	3.5	1.07	.08	.28	.22
19.2-	5.85	ALTERED GRANITE										
		Zone of strong chloritic alteration with the K-feldspar phenocyrsts remaining slightly pink. Plagioclase is completely altered to clay, but retains pale green chlorite color.	37162	19.2	20.6	5.85	6.28	1.4	0.43	.06	.08	.05
20.6	6.28	GRANITE PPY										
22.6	6.89	Zone masked by chloritization of mafics and kaolinization of plagioclase core is fairly well fractured. This zone also shows an increase (to (60%) of K-feldspar. There is a 0.2 ft splite dyke at 50° to core at 20.6 ft and a 0.3 ft aplite dyke at 60° to core at 22.3 feet.										
	*											
22.6	6.89	ALTERATION ZONE										
25.3	7.71	Zone of strong chloritic alteration with the K-feldspar phenocrysts remaining partially pink. 40% of the plagioclase shows complete alteration to clays, although it still retains the pale	37163	22.6	25.3	6.89	7.71	2.7	0.82	10	.06	03

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals in feet)	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
		green chlorite color. There is a zone of broken core from 24.0 to 24.1 feet.										
25.3	7.71	GRANITE PPY										
28.1	8.56	Zone of fresh to weakly chloritically altered granite. The mafics show complete alteration to clay, and the plagioclase shows moderate kaolinization. 20% of fractures show chlorite and/or clays.										
28.1	8.56	ALTERED GRANITE										
32.0	9.75	Zone of moderate shloritic alteration, in which the mafics and plagioclase are altered to chlorite. 20% of the plagioclase also shows complete alteration to clays although the clays show a chlorite green color. The core is moderately broken, with 10% of fractures showing slickensides	37164	28.1	32.0	8.56	9.75	3.9	1.19	4.68	.06	.04
		Hole broke into stope at 32.0 feet										
		32.0 feet EOH 9.75 metres										

SVEINSON WAY MINERAL SERVICES LTD. — DIAMOND DRILL LOG — PAGE 1

PROPERTY: Arlington
LOGGED BY: G. Allen
DATE LOGGED: May 15, 1981
DATE COLLARED: May 11/81
DATE COMPLETED: May 12/81

HOLE NO.: B-95
LOCATION: 16+20n
AZIMUTH: 303.8°
DIP AT COLLAR: +11.5°
DEPTH: 33.0'/10.06m

DIP TESTS
___° AT ___'
___° AT ___'
___° AT ___'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals in feet)	SAMPLE NO.	FEET From	FEET To	METERS From	METERS To	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
0- 1.0	0- 0.30	GRANITE PPY Fresh granite. K-spar. pink, aprox 25 - 30%, 2-3cm Quartz, gray, aprox 15-20%, 3 - 5mm Plag., white, aprox 40%, 2 - 5mm Mafics, Hb, Bi, aprox 2 - 5mm masses										
1.0- 2.2	0.30- 0.67	ALTERED GRANITE Moderate to strong epidotic, chloritic alt. granite. K-spar pink to greenish gray. Plag. dark green.	13268B	1.0	2.2	0.30	0.67	1.2	0.37	.00	.02	.06
2.2- 12.8	0.67- 3.90	GRANITE PPY Fresh granite										
12.8- 14.1	3.90- 4.30	APLITE / PEGMATITE DYKE Med. grain to pegmatitic intrusive. Predominantly feld & quartz. CI aprox 3. Pinkish color overall.										
14.1- 15.8	4.30- 4.82	GRANITE PPY Fresh granite										
15.8- 16.4	4.82- 5.00	GRANITIC PEGMATITE DYKE										
16.4- 19.7	5.00- 6.00	GRANITE PPY Fresh granite										
19.7- 21.4	6.00- 6.52	ALTERATION/VEIN/SULPHIDE ZONE 19.7 - 20.0, Strong epidotic, chloritic alt. of porph. granite. Plag. altered to bluish green. K-spar light grayish green. Original textures obscure. 20.0- 20.2, Greenish brecciated qtz vein. traces VIS AG along chloritic fractures.	13269B	19.7	21.4	6.00	6.52	1.7	0.52	34.77	4.26	1.56

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET From	FEET To	METERS From	METERS To	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
20.		20.2- 20.4, Massive fine grained galena & sphalerite (aprox 70%) with fine grained angular fragments of qtz & chloritic amterial up to 2 mm. 20.4 - 20.5, Quartz breccia & stringers. Traces VIS Ag on fracture surfaces. 20.5 - 21.4, Strong chloritic alt. of granite ppy. Minor brecciation with f.g. GALENA & VIS Ag filling fractures.												
21.4- 24.4	6.52- 7.44	ALTERATION ZONE Strong prop. alt. granite. 21.4 - 22.0, K-spar dark green. Plag. light bluish green. F.G., 1 - 2mm lenses of GALENA in K-spar crystals. 22.0 - 22.6, Epidote rich fine grained altered granitic dyke. Traces dissem. f.g. galena. 22.6 - 22.7, Quartz vein at 50° to core. Traces Galena 22.7 - 23.0, As 22.0 - 22.6 23.0 - 23.5, As 21.4 - 22.0, Traces Galena 23.5 - 5mm gouge zone 23.5 - 24.4, Strong chloritic, epidotic altered granite. K-spar pale pink to gray. Traces GL & SP in K-spar crystals.	13270B	21.4	24.4	6.52	7.44	3.0	0.91	.23	.10	.04		
24.4 - 27.7	7.44- 8.44	ALTERATION, VEIN SULPHIDE ZONE 24.4 - 24.7, Strong prop. alt. of granite. Plag. bluish to epidotic green. K-spar greenish gray. Traces GALENA Traces VIS. Ag. near vein. (within 1cm - disseminated) 24.7 - 24.8, Quartz vein at 50° to core. Aprox 50% sulphides. Predom. galena, with sphalerite, chalcopyrite argentite & native silver. 24.8 - 26.7, Traces Native Ag within 1cm of vein. Strong chloritic, epidotic alt. as 24.4 - 24.7 25.4 - 25.5, Quartz stringer at 80° to core. 20% S, with galena and sphalerite.	13271	24.4	27.7	7.44	8.44	3.3	1.00	4372	.86	.26		

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No	FEET From	FEET To	METERS From	METERS To	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
2		26.7 - 27.7, Intense chloritic alt. of granite. K-spar phenos dark green. Moderate epidote is also shown. Fractures show clays and intense chlorite.										
27.7 - 28.9	8.44- 8.81	ALTERED GRANITE Zone with mafics altered to chlorite and plagioclase being replaced by k-feldspar. Fractures show moderate chlorite. Moderately broken core.										
28.9 - 30.7	8.81- 9.36	ALTERED GRANITE Zone of strong chloritic alteration, with the k-spar phenos only partially preserved. Plag. to clays and chlorite, mafics to chlorite. Fractures show intense chlorite.	13272B	28.9	30.7	8.81	9.36	1.8	0.55	.23	.03	.06
30.7- 33.0	9.30- 10.06	GRANITE PPY Zone of moderate to weak chloritic alteration. Mafics are chloritized, plagioclase to clays/chlorite or replaced by k-feldspar. Fractures show strong chlorite. HIT STOPE AT 33 feet 33 feet, 10.06 E.O.H.										

PROPERTY: Arlington
LOGGED BY: T. Henneberry
DATE LOGGED: May 17, 1981
DATE COLLARED: May 13/81
DATE COMPLETED: May 14/81

HOLE NO.: B-96
LOCATION: 16+20 n
AZIMUTH: 300.9°
DIP AT COLLAR: -16.5°
DEPTH: 43' / 13.11m

DIP TESTS
___° AT ___'
___° AT ___'
___° AT ___'

INTERVAL (FEET)	INTERVAL (METRES)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METRES	Ag	Pb	Zn
0- 2.5	0- 0.76	GRANITE PPY Fresh granite. Comprised of 30% k-feldspar (predominantly as phenocrysts; less than 4cm), 35-40% plagioclase, 15-20% qtz, and 10-15% mafics. (hornblende, biotite, 20% of fractures, show weak chlorite and hematite stain.										
2.5- 4.5	0.76- 1.37	COURSE-GRAINED APLITE DYKE at 15° to core. The dyke shows alt. of plagioclase to clays and weak chlorite along fractures.										
4.5- 14.1	1.37- 4.30	GRANITE PPY Fresh granite marked by a weak influx of k-feldspar There is a vertical pegmatite stringer from 9.5 to 10.5 feet. Fractures show chlorite ± hematite ± clays.										
14.1- 15.2	4.30- 4.63	APLITE DYKE f/g at 30° to core. Fine grained with last 0.3 feet showing strong epidote. Fractures show clays ± limonite.										
15.2- 16.8	4.63- 5.12	ALTERATION, VEIN SULPHIDE ZONE 15.2-15.6', Alteration Zone Chlorite, with limonite and clays . . . along fractures. Moderately broken core. Vis. ag. 15.6-15.8, Vein at 80° tocore. The vein contains massive galena with sphalerite. 15.8-16.1, Alteration Zone, as abve 19.2-19.6' No Ag but galena along fractures 16.1-16.8', Altered Granite, Strong chlorite plagioclase shows both chlorite and clays. Possibly brecciated. There is a 1cm qtz.	13273B	15.2	16.8	4.63	5.12	1.6	0.49	11.77	6.37	2.23

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
		stringer at 20.2' at 50° to core with galena & sphalerite. (20% sulfides)												
16.8-18.9	5.12-5.76	APLITE DYKE at 70° to core. The dyke shows modeate epidote and clays along fractures. The dykeis moderately fractured. There is a 2mm X 2mm bleb of Ag at 21.85 ft.												
18.9-20.7	5.76-6.31	GRANITE PPY Zone of moderate chloritic alt., also marked by kaolinization of 5% of plagioclase. Mafics are chloritized & the remaining plag. shws chlorite fractures show chlorite & clays.												
20.7-24.1	6.31-7.35	ALTERATION/VEIN/SULFIDE ZONE 20.7-21.2', Alteration zone, strong to pervasive chlorite, with k-feldspar partially to completely chloritized. Fractures show intense chlorite.	132748	20.7	24.1	6.31	7.35	3.4	1.04	8.98	2.72	1.01		
		21.2-21.6', Vein Zone. There are 2 separate stringers within this zone. The first is at 21.2 - 21.3 ft. This stringer is at 50° to core and is fairly well fractured. It carries Vis Ag, and fine grained galena. The second stringer is at 21.4-21.5 ft at 30° to core. It carries 40% S as galena & sphalerite. Thee is Vis Ag outside of the veins. Also traces of pyrite & calcopyrite. 21.6-22.7, Alteration Zone, Zone of pervasive chlorite, with the plagioclase showing clays & chloite. Fractures show strong chlorite. 22.7-22.8, Vein, Vein is 0.1 ft at 35° to core carries 50° S as galena greaterthan sphalerite 22.8-24.1, Alteration Zone as abve 21.6-22.7 but with chlorite a bit weaker. K-feldspar phenos show only partial chloritization.													
24.1-26.0	7.35-7.92	ALTERED GRANITE Zone of weak to moderate chlorite alt. in which k-feldspar is fresh to weakly chloritzed. Fractures show clays and chlorite. 25.0-25.5 is a aplite dyke showing moderate epidote. The first 0.5 ft. show an increase in k-eldspar.												

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
26.0-26.7	7.92-8.14	COARSE GRAINED APLITE DYKE at 30° to core. Dyke shows pervasive chlorite.										
26.7-27.7	8.14-8.44	VEIN, BRECCIA ZONE Marked by a 0.6 ft. heavily fractured qtz. vein at 40° to core. The vein carries 1% S as Gl & Sp There is a small 0.1 ft. qtz. stringer at 27.5' carry 20% galena & sphalerite. The remainder show obiquitous qtz and pervasive chlorite.	132753	26.7	27.7	8.14	8.44	1.0	0.30	.35	1.32	58
27.7-32.2	8.44-9.81	ALTERED GRANITE Zone of strong to pervasive chlorite marked by numerous unmineralized qtz stringr. Theplagioclase also shows alt. to clays then chlorite. Fractures show chlorite & clays.	A-001	27.7	32.2	8.44	9.81	4.5	1.37	.01	.16	.14
32.2-32.6	9.81-9.94	BRECCIATED VEIN at 60° to core. The vein carries 1% Galena and show chlorite along fractures.	A-002	32.2	32.6	9.81	9.94	0.4	0.12	.00	.19	.18
32.6-36.7	9.94-11.87	ALTERED GRANITE Zone of strong to pervasive chlorite. Fractures carry chlorite, clays ± limonte. Theplagioclase shows clays as well as chlorite. Thee is a 5mm zone of disseminated galena at 35.4 ft. There are 2 unmineralized stringers at 34.8 & 34.9'	A-003	32.6	36.7	9.94	11.87	4.1	1.25	.00	.22	.13
36.7-37.3	11.87-11.37	APLITE DYKE at 70° to core. The dyke shows moderate epidote It is cut by a 0.1 ft. stringer carrying 2-3% GALENA and 1% SPHALERITE.										
37.3-43.0	11.37-13.11	ALTERED GRANITE Zone of strong to pervasive chlorite with clays appearing along with chlorite in the plagioclase There is a 1cm qtz stringer at 40° tocore at 40.0'. carrying 5% GALENA and 1% SPHALERITE. There is a 0.4' stringer of massive galena at 40.9'. There is a small zone of disseminated galena at 42.5'. Broke into stope at 43.0' 43.0'/ 13.11m E.O.H.										

SVEINSON WAY MINERAL SERVICES LTD. — DIAMOND DRILL LOG — PAGE 1

PROPERTY	Arlington	HOLE NO.	B-97
LOGGED BY	G. Allen	LOCATION	16+40n
DATE LOGGED	May 7/81	AZIMUTH	301.5°
DATE COLLARED	May 4/81	DIP AT COLLAR	+13.5°
DATE COMPLETED	May 5/81	DEPTH	47.5'/14.48m

DIP TESTS
___° AT ___'
___° AT ___'
___° AT ___'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals in feet)	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
0.0-3.3	0-1.01	ALTERED GRANITE Moderate porpylitic alt. of granite ppy. Plag. bright epidote green. K-spar pink to gray Mafics chloritic.	37245	0.0	3.3	0	1.01	3.3	1.01	.00	.02	.02
3.3-4.2	1.01-1.28	GRANITE PPY Aprox. fresh granite K-spar, pink, 1-3cm, aprox 30% Plag, gray to greenish gray, 1-5 mm, aprox 45% Quartz, gray, rounded, 4-5mm, aprox 15-20% Mafics, Hb greater than Bi. Patches 2-5mm, weakly chloritized.										
4.2-8.0	1.28-2.44	ALTERED GRANITE Strong prop. alt. granite K-spar, dark greenish gray Plag, chlor. green to blue,-green Mafics, chloritic Quartz, gray.	37246	4.2	8,0	1.28	2.44	3.8	1.16	.06	.04	.10
8.0-8.9	2.44-2.71	GRANITE PPY Aprox. fresh granite. Plag. greenish to brownish gray.										
8.9-10.0	2.71-3.05	APLITE Fine grained pink intrusive. Predom. quartz & feld. CI less than 1.										
10.0-11.2	3.05-3.41	ALTERED GRANITE Moderate to strong prop. alt.	37247	10.0	11.2	3.05	3.41	1.2	0.36	12	.03	.03
11.2-23.0	3.41-7.01	GRANITE PPY. Fresh granite										

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET From	FEET To	METERS From	METERS To	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
23.0- 23.3	7.01- 7.10	ALTERATION ZONE Moderate chloritic altered granite.										
23.3- 24.1	7.10- 7.35	APLITE/PEGMATITE DYKE										
24.1- 26.9	7.35- 8.20	GRANITE PPY Fresh Granite										
26.9- 33.9	8.20- 10.33	ALTERATION ZONE (STRONG) Strong chloritic, epidote alt. of porph granite. K-spardark green. Plag. chloritic green to bluish green. Mafics chloritized. Origional texture partially preserved. 32.1- Weak silicification. 1cm band SULPHIDES (galena & sphalerite) aprox 20%	37248 37249	26.9 30.9	30.9 33.7	8.20 9.42	9.42 10.33	4.0 3.0	1.22 0.91	.23 3.55	.03 .07	.05 .20
33.9- 37.2	10.33- 11.34	ALTERED GRANITE Weak chloritic to epidotic alt. granite ppy. Mafics chloritized, plag greenish gray, K-spar pink.										
37.2- 40.0	11.34- 12.19	APLITE / PEGMATITE F.G. pink aplite with pegmatitic parts.										
40.0- 46.4	12.19- 14.14	GRANITE PPY Fresh Granite										
46.4- 47.5	14.14 14.48	ALTERED GRANITE Broken ground core., Strong prop. alt. of granite ppy. Some quartz breccia. Some pebbles Contain up to 20% f.g. galena. Few pebbles highly gossanous.	37250	46.4	47.5	14.14	14.48	1.1	0.34	.303	.99	.38
47.5- 48.7	14.48- 14.84	SILICEOUS, ALTERATION, SULPHIDE ZONE Chloritic, epidotic altered granite ppy with siliceous parts brecciated. Few % galena, sphalerite.	37101	47.5	48.7	14.48	14.84	1.2	0.36	.23	1.00	.32
48.7-	14.84-	ALTERED GRANITE	37102	48.7	50.8	14.84	15.48	2.1	0.64	.03	.24	.18

HOLE No. B-97 PAGE ____

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
50.8	15.48	Strong alteration of granite ppy. chloritic, epidotic. Plag. light bluish green Traces gl. BROKEN CORE. 50.3 - 50.8, Brecciated siliceous zone carrying traces of galena.												
50.8-51.5	15.48-15.70	ALTERED APLITE F.G. greenish gray dyke	37103	50.8	51.5	15.48	15.70	0.7	0.22	.00	.06	.05		
51.5-54.0	15.70-16.46	ALTERATION, SHEAR, BRECCIA SULPHIDE ZONE Strong chloritic altered granite ppy with section up to 10 cm of siliceous breccia (quartz as fragments & matrix) All carries f.g. dissem. galena & sphalerite. 53.2, narrow (aprox 1cm) gouge zone. 54.0', E.O.H. HIT STOPE	37104	51.5	54.0	15.70	16.46	2.5	0.76	2.62	.64	.79		

SVEINSON WAY MINERAL SERVICES LTD. DIAMOND DRILL LOG

PROPERTY: Arlington
LOGGED BY: G. Allen
DATE LOGGED: May 8, 1981
DATE COLLARED: May 5/81
DATE COMPLETED: May 7/81

HOLE NO.: B-98
LOCATION: 16+40n
AZIMUTH: 303.5°
DIP AT COLLAR: -16.5°
DEPTH: 70.0'/21.34m

DIP TESTS
___° AT ___'
___° AT ___'
___° AT ___'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals in feet)	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
0- 2.7	0- 0.82	ALTERED GRANITE Strong epidote alteration of granite ppy. K-spar epidote greenish gray. Plag. bright bluish green Mafics - light brownish patches. Origional texture partially preserved.	37105	0	2.7	0	0.82	2.7	0.82	.17	.04	10
2.7- 3.5	0.82- 1.07	GRANITE PPY Fresh Granite										
3.5- 5.6	1.07- 1.71	ALTERATION ZONE Strong epidote to chloritic alt. Much of origional textures destroyed. 4.8 - 5.0- Silicified ~~epidote~~ breccia of above. Also some quartz fr-gments. Traces of galena & sphalerite in secondary quartz. 50° to core.	37106	3.5	5.6	1.07	1.71	2.1	0.64	12	.04	.14
5.6- 15.4	1.71- 4.69	GRANITE PPY Fresh Granite K-spar, pink, 1 - 2 cm aprox 25% - 30% Plag, white to gray, 2 - 5mm, aprox 40% Quartz, gray, 2 - 5mm, aprox 25% Mafics, Hb greater than Bi, 2-4mm,masses, aprox. 10 - 15% 10.7 - 11.9, Weak epidote alt. of plag. silicified.										
15.4- 16.5	4.69- 5.03	ALTERED GRANITE Weak to moderate argillic alt. (?) of plag to soft white.										
16.5- 18.8	5.03- 5.73	APLITE Fine to medium grained pink aplite. Feld & quartz. CI 1-2										
18.8- 23.7	5.73- 7.22	GRANITE PPY Fresh Granite										

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
23.7-26.7	7.22-8.14	ALTERED GRANITE Moderate to strong epidotic/chloritic alt. of granite ppy. K-spar, pink to greenish gray Plag., bluish green to dark chloritic green Mafics, chloritized.	37107	23.7	26.7	7.22	8.14	3.0	0.91	.06	.04	.04
26.7-30.7	8.14-9.36	GRANITE PPY Fresh Granite										
30.7-31.0	9.36-9.45	ALTERED GRANITE Strong chloritic alt. of granite ppy	37108	30.7	31.0	9.36	9.45	0.3	0.09	.00	.04	.04
31.0-40.1	9.45-12.22	GRANITE PPY Fresh granite, some brownish discoloration of plag.										
40.1-43.6	12.22-13.29	ALTERED GRANITE Moderate chlor. alt. K-spar pink Plag & mafics chloritized &/or epidotized.	37109	40.1	43.6	12.22	13.29	3.6	1.10	.06	.01	.02
43.6-68.2	13.29-20.79	ALTERATION, VEIN, SHEAR ZONE Intense chloritic alt. of granite ppy. In most places origional textures totally destroyed.	37110	43.6	46.5	13.29	14.17	2.9	0.88	.00	.06	.09
		All but quartz, dark chloritic green. Much brecciation & shearing	37111	46.5	50.1	14.17	15.27	3.6	1.10	.06	.12	.17
		46.5-53.7, Brecciated altered granite & quartz vein up to 10 cm. wide/ aprox. 1 foot Traces galena & sphalerite in silicious zones.	37112	50.1	53.7	15.27	16.37	3.6	1.10	.12	.35	.26
		(53.6-53.7), Greenish, cherty, material with aprox. 20% Galena & sphal.										
		53.7-56.2, Intensely sheared (50° to core) Altered granite. Core 'sandy' with clay matrix. 53.7-53.8, gouge (greenish clay) 55.5-55.6, Gouge (greenish clay).	37113	53.7	56.2	16.37	17.13	2.5	0.76	.29	.38	23
		56.2-60.5, Brecciated chloritic altered granite & greenish gray cherty material. Sulphides throughout in pods up to 1 cm. long & dissum. (gl, Sp), aprox 5 - 10% sulphides overall.	37114	56.2	60.5	17.13	18.44	4.3	1.31	.34	2.60	2.60
		60.5-68.2, Intensely chloritic, epidotic alt. ~~af~~ granite. Sheared to sand with clay matrix on t gouge. Few brownish to pinkish K-spar crystals, 61.0-65.5, 0.5' GROUND CORE.	37115	60.5	64.5	18.44	19.66	4.0	1.22	.76	.80	.63
				64.5	68.2	19.66	20.79	3.7	1.13	.12	.03	.04

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	As	Pb	Zn
68.2-70.0	20.79-21.34	GRANITE PPY Aprox. fresh granite Plag brownish E.O.H.	37117	68.2	70.0	20.79	21.34	1.8	0.55	.00	.01	.00

SVEINSON WAY MINERAL SERVICES LTD.

DIAMOND DRILL LOG

PROPERTY: Arlington
LOGGED BY: G. Allen
DATE LOGGED: May 9/81
DATE COLLARED: May 7/81
DATE COMPLETED: May 8/81

HOLE NO.: B-99
LOCATION: 16+40N
AZIMUTH: 304.8°
DIP AT COLLAR: -31.5°
DEPTH: 60.0ft/18.29m

DIP TESTS
___° AT ___'
___° AT ___'
___° AT ___'

INTERVAL (FEET)	INTERVAL (METRES)	DESCRIPTION (Interval in feet)	SAMPLE NO.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METRES	Ag	Pb	Zn		
0- 2.5	0- 0.76	ALTERED GRANITE Strong epidote alteration. Plagioclase bright bluish green. Mafics chloritic, K-spar a yellowish green.	37294	0	4.5	0	1.37	4.5	1.37	/2	.03	.20		
2.5- 3.0	0.76- 0.91	ALTERED GRANITE Weak alteration of plagioclase to bright white.												
3.0- 4.5	0.91- 1.37	ALTERED GRANITE As 0-2.5												
4.5- 22.0	1.37- 6.71	GRANITE PPY Fresh granite. K-spar -- pink, 2-3 cm approx 30% Plagioclase --gray, 3-5 mm " 40-45% Quartz " " " 15-20% Mafics -- Black, 2-4 mm " 10-15%												
22.0- 24.4	6.71- 7.44	ALTERED GRANITE Moderate epidotic, chloritic alt. of granite K-spar -- pink Quartz -- gray All the epidotic to chloritic green.	37295	22.0	25.7	6.71	7.83	3.7	1.12	/2	.03	.03		
24.4- 25.7	7.44- 7.83	ALTERED GRANITE Plagioclase altered to white argillic material.												
25.7- 27.2	7.83- 8.29	GRANITE PPY Fresh granite												
27.2- 27.7	8.29 8.44	ALTERED GRANITE Moderate epidotic to argillic alt. Plagioclase epidotic green to white. K-spar pink. Mafics chloritic.												

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
27.7-29.5	8.44-8.99	APLITE/PEGMATITE DYKE Pink fine to coarse grained dyke at 30° to core.										
29.5-31.8	8.99-9.39	ALTERED GRANITE Moderate argillic to chloritic alt. Plagioclase attend to greenish clay. Mafics to chlorite. K-spar brownish pink.	37296	30.5	31.8	9.30	9.69	1.3	0.39	.12	.09	.01
31.8-34.0	9.39-10.36	ALTERED GRANITE Strong chloritic alt. of porph. granite. Plagioclase altered to soft bluish green. K-spar and mafics to dark chloritic green. 30.8 - 40.8 Dissim. Gl and Sp (also along fractures).	37297	31.8	34.0	9.69	10.36	2.2	0.67	.06	19	01
34.0-36.1	10.36-11.00	ALTERED GRANITE Weak to moderate chloritic, propylitic alteration of granite.	37298	34.0	36.1	10.36	11.00	2.1	0.64	12	.01	.00
36.1-48.5	11.00-14.78	ALTERED GRANITE Strong chloritic, epidotic alteration of porph. granite. All altered except quartz. For most of interval -- original texture destroyed. 37.0 - 38.0 gray, brecciated cherty zone with some gouge at 37.3. Trace galena. 39.8 -- 1 cm greenish quartz with approx 10% galena	37299 37300	36.1 40.1 44.1	40.1 44.1 48.5	11.00 12.22 13.44	12.22 13.44 14.78	4.0 4.0 4.4	1.22 1.22 1.34	.00 .00 23	12 .05 .04	.07 .04 .05
48.5-53.9		BRECCIA/ALTERATION ZONE Angular f.g. quartz and silicious fragments white to greenish gray, up to 3 cm, approx 60% in g.m. of f.g. dark green chloritic material. Trace galena and sphalerite. 52.8 - 53.3 As above. approx 5% galena & Sp 53.3 - 53.6 " " 30% galena & Sp	37122 37123	48.5 52.5	52.5 53.9	14.78 16.00	16.00 16.43	4.0 1.4	1.22 0.43	06 6.53	.15 3.20	.34 10.2
53.9-60.0		GRANITE PPY Weakly chloritic granite. Mafics chloritized. Plagioclase--brownish. Broken core. 59.5-- 1 cm gouge. 60.0 -- Hit Stope E.O.H.	37124	53.9	60.0	16.43	18.29	6.1	1.86	.06	.05	.07

SVEINSON WAY MINERAL SERVICES LTD. DIAMOND DRILL LOG

PROPERTY Arlington
LOGGED BY G. Allen
DATE LOGGED May 10/81
DATE COLLARED May 8/81
DATE COMPLETED May 11/81

HOLE NO. B-100
LOCATION 1644 n
AZIMUTH 304.5°
DIP AT COLLAR -48.5°
DEPTH 56.0ft / 17.06m

DIP TESTS
___° AT ___'
___° AT ___'
___° AT ___'

INTERVAL (FEET)	INTERVAL (METRES)	DESCRIPTION (Intervals in feet)	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METRES	Ag	Pb	Zn
0- 2.0	0- 0.61	CASING										
2.0- 6.7	0.61- 2.04	ALTERED GRANITE Moderate to strong propylitic alteration. K-spar pink to greenish gray. Plagioclase dark chloritic to epidotic green. 2.5 - 3.0 Plagioclase -- white 4.1 1 cm Quatrz vein at 50° to core. 4.4 " 4.6 - 4.8 Barren white Quartz vein at 50° to core	37125	2.0	6.7	0.61	2.04	4.7	1.43	.12	.01	.05
6.7- 38.1	2.04- 11.61	GRANITE PPY Fresh granite. K-spar -- pink, 2-3 cm, approx 35%. Plagioclase -- white, 4-5 mm, approx 35-40%. Quartz -- gray, 4-5 mm, approx 20%. Mafics --Hb greater than Bi, 2-4 mm masses, greater than 10-15%. 9.5-13.0 -- pink aplite/pegmatite dyke. 23.0-24.8 -- " 26.0-26.2 -- chloritic altered granite 26.2-27.3 -- F.G. pinkish granitic int. 27.3-27.7 -- chloritic altered granite. 36.0-38.1 -- Broken core.										
38.1- 50.0	11.61- 15.24	ALTERATION/BRECCIA ZONE Chloritic, epidotic altered granite with only quartz crystals (rounded) remaining of original texture in most places. The rock appears to have had some quartz veining in place before a general silification and weak to strong brecciation. Overall color -- grayish green. Trace galena and sphalerite throughout. (mostly in primary quartz) 48.7 - 50.0 -- strong brecciation of white to greenish gray, f.g. silicious material	37251 37252 37253	38.1 42.1 46.1	42.1 46.1 50.0	11.61 12.83 14.05	12.83 14.05 15.24	4.0 4.0 3.9	1.22 1.22 1.19	.06 .17 .12	.06 .09 .08	.13 .01 .11

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals in feet)	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
		with dark green chloritic g.m. G.M. approx 30-40%. Traces Gl and Sp.										
50.0-52.8	15.24-16.09	ALTERATION/BRECCIA ZONE Quartz, cherty and feldspar fragments up to 1 cm in g.m. of f.g. chlorite (+?) Traces galena in g,m, 51.6-51.7 Gouge zone with 5 mm dark band (ground sulphides?) 51.9 -- 1 cm gouge 52.1 5 mm band f.g. sulphide at 60° to core	37302	50.0	52.8	15.24	16.09	2.8	0.85	1.51	.70	.47
52.8-56.0	16.09-17.06	ALTERED GRANITE Weak chloritic altered granite K-spar brownish pink. Mafics chloritized. 56.0 Broke through E.O.H.	37303	52.8	56.0	16.09	17.06	3.2	0.97	.12	.01	.00

SVEINSON WAY MINERAL SERVICES LTD. DIAMOND DRILL LOG

PROPERTY: ARLINGTON
LOGGED BY: C. Allen
DATE LOGGED: April 27/81
DATE COLLARED: Apr. 22/81
DATE COMPLETED: Apr. 25/81

HOLE NO.: B-101
LOCATION: 1646N
AZIMUTH: 314.9°
DIP AT COLLAR: +13.0°
DEPTH: 83'/25.30m

DIP TESTS
___° AT ___'
___° AT ___'
___° AT ___'

INTERVAL (FEET)	INTERVAL (METRES)	DESCRIPTION (intervals in feet)	SAMPLE No	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METRES
0-	0-	PEGMATITIC GRANITE							
0.9	0.27	C.I. less than 5 Mafics chloritized							
0.9-	0.27-	INCLUSION							
1.3	0.40	Paragniesse, F.G. C.I. aprox. 40. Predominantly Hb.							
1.3-	0.40-	PEGMATITIC GRANITE							
1.6	0.49	As 0 - 0.9							
1.6-	0.49-	GRANITE PORPHYRY							
7.5	2.29	-K-spar phenos., up to 2 cm. aprox 25-30% -CI aprox. 10, Fresh (Not chloritized) -Quartz aprox 10 - 15% -Plagioclase aprox. 45 - 50%							
7.5-	2.29	APLITE							
8.0	2.44	Fine grained assemblage of plagioclase & quarty. Few % chlorite giving a greenish tint. 65° to core.							
8.0-	2.44-	GRANITE PPY							
9.0	2.74	Fresh							
9.0=	2.74-	APLITE							
9.6	2.93	15 - 20% vague sub-hedral plag. phenos, up to 4 mm. less than 5%, 2. - 3 mm. laths of chloritized Hb. G.M.- fine grained plag. quarty. 35° to core.							
9.7-	2.93-	GRANITE PPY							
12.6	3.84	Relatively fresh granite. Weak chloritic alteration of mafics							

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals in feet)	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
		- 11.2 - 11.4 - splite as 9.0-9.6 at 40° to core.												
12.6- 13.2	3.84- 4.02	APLITE/PEGMATITE aprox 80° to core 12.6-13.0, Aplite as 7.5-8.0. Contains vague K-spar phenos. up to 1 cm. 13.0-13.2, Pegmatitic granite												
13.2- 18.3	4.02- 5.58	GRANITE PPY Relatively fresh granite 13.8 - 15.1, Pegmatitic phase of granite K-spar aprox 70%. 15.1-16.0, Weak to moderate chloritic alt. mafics. popyllitic alteration of plag.												
18.3- 18.8	5.58- 5.73	ALTERATION ZONE Strong chloritic alt. of mafics Mod. prop. alt of plag.												
18.8- 20.0	5.73- 6.10	APLITE PEGMATITE 18.8 - 19.1- Aplite, vague k-spar phenos up to 1 cm. 19.1-20.0 - Pegmatitic granite, Traces Py												
20.0- 23.6	6.10- 7.19	GRANITE PPY Fresh granite												
23.6- 24.2	7.19- 7.38	ALTERED GRANITE Strong chloritic alt. of granite. K-spar almost totally altered. Weak fabric at 40° to core.	37001	23.6	24.2	7.19	7.38	0.6	0.19	.06	.02	.07		
24.2- 24.5	7.38- 7.47	GROUND CORE												
24.5- 26.8	7.47- 8.17	ALTERED GRANITE Weak to mod. chloritic alt. of granite. Mafics chloritized. Plag. white to epidote green.	37002	24.5	26.8	7.47	8.17	2.3	0.70	.04	.02	.01		
26.8- 28.2	8.17- 8.60	APLITE/PEGMATITE aprox 40° to core Fine grained pinkish aplite with 1cm pegmatitic stringer at 25° to core.												

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (intervals in feet)	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
20.2- 44.0	8.60- 13.41	GRANITE PPY Fresh granite. Relatively weak chloritic alt. of mafics.										
44.0- 47.9	13.41- 14.60	ALTERED GRANITE Weak to moderate chloritic alt. of granite. K-spar fresh.										
47.9- 49.6	14.60 15.12	GRANITE PPY Fresh granite. Some weak chloritic alt. of mafics.										
49.6- 51.7	15.12- 15.76	ALTERED GRANITE Mod. to strong chloritic alt. of granite. K-spar pink to pale green.	37003	49.6	51.7	15.12	15.76	1.1	0.64	.24	.02	.03
51.7- 59.7	15.76- 18.20	GRANITE PPY Fresh Granite										
59.7- 83.0	18.20- 25.30	ALTERATION AND STRINGER ZONE 59.7-60.1- Moderate chloritic to strong argillic alteration.	37004	59.7	63.8	18.20	19.44	4.1	1.24	Tr	.14	.05
		60.1- 60.5- Quartz filled breccia zone. Barren. Broken core.										
		60.5-63.8- Strong argillic, chloritic alt.										
		63.8-64.6- Pegmatitic phase of granite	37005	63.8	64.6	19.44	19.69	0.8	0.25	.02	.02	.02
		64.6-65.3- Moderate chloritic alt. Plag. bright green	37006	64.6	65.3	19.69	19.90	0.7	0.21	.06	.02	.03
		65.3-65.4- Vein - 70° to core. Qtz. Trace Galena										
		65.4-65.6, Strong chloritic, argillic alt.	37007	65.3	65.7	19.90	20.03	0.4	0.13	.04	.18	.13
		65.6-65.7- Qtz filled breccia zone										
		65.7-69.0, Strong chloritic, argillic alt. of granite. Plag. to bright bluish green	37008	65.7	69.0	20.03	21.03	3.3? (1' missing)	1.0 (0.31 missing)	.08	.26	.04
		ONE FOOT GROUND CORE SOMEWHERE BETWEEN 59&69										
69.0-		69.0-69.6- Strong argillic chloritic alt. of granite. Plag. to green.	37009	69.0	69.6	21.03	21.21	0.6	0.18	.08	.30	.04

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION Intervals in feet	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
		69.6-69.9- Qtz filled breccia. Trace galena 69.9-70.7- Strong chlor, argillic prop. alt. 70.7-70.9, Qtz stringers at 70° to core. 2@ aprox. 1 cm.	37010	69.6	69.9	21.21	21.31	0.3	0.10	.04	.06	.05
		70.9-74.0, Strong chlor., prop. arg., alt. of granite. 0.7' GROUND CORE BETWEEN 69' and 74'	37011	69.9	74.0	21.31	22.59	4.1? (0.7 missing)	1.25 (0.21 missing)	.10	.10	.05
		74.0-74.6, Strong prop. arg., chlor alt. k-spar dark green. Plag. soft, green to grey green. Mafics obliterated or as fuzzy dark chloritic patches. Origional texture destroyed	37012	74.0	77.2	22.56	23.53	3.2? (1' miss.)	0.97 (0.31m (miss)	.06	.24	.23
		74.6-74.8, Qtz filled breccia zone. Barren 74.8-77.2- Fractured core. Strong alt. as 74.0 - 74.6 ONE FOOT GROUND CORE IN LAST INTERVAL 77.2-78.4, Strong chlor., prop. alt. with dissememated galena (+?) in fine grained masses. aprox 5% - 10%	37013	77.2	78.4	23.53	23.90	1.2	0.47	20.72	1.64	1.50
		78.4-83.0 3.7' MISSING (GROUND) CORE Strong chloritic, prop. alt. Some silicification Traces galena 83.0' HIT STOPE (?) E.O.H.	37014	78.4	83.0	23.90	25.30	4.6 (3.7' miss)	1.40 (1.12m miss)	.08	.16	.07

SVEINSON WAY MINERAL SERVICES LTD.

DIAMOND DRILL LOG

PROPERTY: Arlington
LOGGED BY: G. Allen
DATE LOGGED: April 30/81
DATE COLLARED: April 26/81
DATE COMPLETED: April 27/81

HOLE NO.: B-102
LOCATION: 16+60N
AZIMUTH: 312.7°
DIP AT COLLAR: -16.5°
DEPTH: 96.0'/29.26m

DIP TESTS
___° AT ___'
___° AT ___'
___° AT ___'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals in feet)	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
0- 15.0	0- 4.57	GRANITE PPY Fresh granite K-spar, pink, 2-3 cm, aprox 25% Plag, white, 2-4 mm, aprox 45 - 50% Quartz, gray, 2-6 mm, aprox 15 - 20% Mafics (Hb greater than Bi) black, 2-3 mm masses aprox 10 - 15% 2.6 - 3.5, Med. grained mafic rich inclusion no K-spar phenos 13.6 - 14.0- Mod. prop. alt.										
15.0- 16.8	4.57- 5.12	APLITE/PEGMATITE aprox 40° to core F.G. pink aplite with 5 - 10 cm peg. zones Traces PY.										
16.8- 27.4	5.12- 8.35	GRANITE PPY Fresh granite 18.7 - 19.0, siliceous, epidotized granite										
27.4- 29.7	8.35- 9.05	ALTERED GRANITE Strong chloritic, epidotic alt. of porph granite 28.6- 2 cm. quartz vein at 55° to core. Hematitic, sulphides (?)	37144	27.4	29.7	8.35	9.05	2.3	0.70	1.34	.04	.03
29.7- 41.7	9.05- 12.71	GRANITE PPY Fresh Granite										
41.7- 44.3	12.71- 13.50	APLITE/PEGMATITE DYKE Fine grained assemblage of feld & quartz. Few % chloritized mafics. Pegmatitic phases. K-spar & qtz. Dyke at aprox 30° to core.										

4

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
44.3- 47.4	13.50- 14.45	ALTERED GRANITE Weak chloritic alt. Plag. waxy, greenish gray.										
47.4- 54.1	14.45- 16.49	GRANITE PPY Fresh to weakly chloritic granite ppy. 52.3 - 53.4, partially melted inclusion of mafic rich material. Vaguely gneissic.										
54.1- 62.2	16.490 18.96	ALTERED GRANITE Strong chloritic alteration. Rock may have been brecciated before alteration. Only qtz. grains recognizable. Origional texture destroyed. 55.0- 2 cm. brecciated siliceous zone at 55° to core. 55.5- 1 cm. quartz filled breccia. 56.0- 57.0, Brecciated greenish gray sileceous material with cherty appearance. Altered qt. vn. 58.0-60.7, Brecciated altered granite. Strong chloritic alt. Traces dissem. galena & sphalerite. (58.9 - 59.3) - crumbly core. 60.7 - 62.2- As above, with stronger mineralization, sphalerite in 5 - 7 mm pods & dissem with galena (61.2) - 1 cm. zone f.g. galena & sphalerite Sphalerite predom. 60° to core. (61.7-61.8)- shear, gouge zone	37145	54.1	58.0	16.49	17.68	3.9	1.19	Tr	.06	.05
			37146	58.0	60.7	17.68	18.50	2.7	0.82	.04	.40	.25
			37147	60.7	62.2	18.50	18.96	1.5	0.46	20	1.42	3.25
62.2- 62.5	18.96- 19.05	GOUGE/SHEAR ZONE Greenish clay Shear at aprox 70° to core.	37148	62.2	62.5	18.96	19.05	0.3	0.09	.14	.50	.27
62.5- 65.7	19.05 20.02	BRECCIATED, ALTERED GRANITE Strong chloritic alt. with some breccia zones 62.5-63.1, Breccia zone. f.g. chloritic g.m. with 3 - 6mm siliceous, angular fragments 65.3-65.7, As above Breccia zones could be brecciated qtz. veins	37.49	62.5	65.7	19.05	20.02	3.2	0.98	Tr	.28	50

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
65.7	20.02-	VEIN & BRECCIA ZONE												
66.0	20.12	65.7-65.85, Shattered greenish quartz vein with pods of sphalerite & galena up to 5mm. 65.85-66.0, Brecciated siliceous material. Sub-rounded to angular fragments up to 1 cm(aprox. 40%) in a chloritic g.m. 1cm. bond sphalerite at 45° to core.	37150	65.7	66.0	20.02	20.12	0.3	0.03	1.86	2.44	7.27		
66.0-	20.12-	ALTERATION ZONE	37151	66.0	67.0	20.12	20.42	1.0	0.30	17.00	.10	.19		
67.0	20.42	Strong chloritic alt. of brecciated granite.												
67.0-	20.42-	PORPH GRANITE												
77.1	23.50	Weak chloritic alt. of porph granite. Plag. alt. to cream color K-spar pink Mafics chloritized 75.1-75.5, Strong chloritic, epidotic alt.	37152	67.0	72.0	20.42	21.95	5.0	1.52	5.32	.04	.08		
			37154	72.0	77.1	21.95	23.50	5.1	1.55	3.68	Tr	.02		
77.1-	23.50-	ALTERATION ZONE												
80.4	24.51	77.1 - 77.4, Broken core. F.G. sulphides (galena +?) up to 30%. Rock in general, rounded qtz. crystals & brecciated, greenish gray sileceous (cherty) fragments in a f.g. chloritic epidotic g.m. 77.4-77.5, 1 cm. pod sphalerite 79.3-79.4, Qtz. filled breccia zone. Small pods galena & sphalerite. 79.9-80.0-, 50° to core. Siliceous band aprox 1cm. wide. Aprox. 50% sphalerite & galena Traces VIS. Ag 80.0-80.4, sheared, gougy with smeared out fine grained sulphides.	37153	77.1	80.4	23.50	24.51	3.3	1.01	16.34	.90	1.45		
80.4-	24.51-	ALTERED GRANITE PPY												
92.5	28.19	Weak argillic, chloritic alt. of granite	37155	80.4	84.4	24.51	25.72	4.0	1.22	26.28	Tr	.01		
			37156	84.4	88.4	25.72	26.94	4.0	1.22	10.74	Tr	.01	1177	1685
			37157	88.4	92.5	26.94	28.19	4.1	1.25	1.88	Tr	Tr		
92.5-	28.19-	GRANITE PPY												
96.0	29.26	Fresh granite												
		E.O.H., 96' or 29.26,m												

SVEINSON WAY MINERAL SERVICES LTD. — DIAMOND DRILL LOG — PAGE 1

PROPERTY: Arlington
LOGGED BY: C. Allen
DATE LOGGED: May 1/81
DATE COLLARED: Apr. 28/81
DATE COMPLETED: Apr. 29/81

HOLE NO.: B-103
LOCATION: 16+60N
AZIMUTH: 316.8°
DIP AT COLLAR: -34.5°
DEPTH: 49.0'/14.93m

DIP TESTS
___° AT ___'
___° AT ___'
___° AT ___'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION *Intervals in feet*	SAMPLE NO.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
0-	0-	GRANITE PPY										
18.3	5.58	Fresh granite K-spar, up to 2 cm phenocrysts, pink aprox 20% Plag, 3-4mm, white to gray, aprox 45% Quartz, 4-6mm, gray, aprox 20% Mafics, Hb greater than Bi, weakly chloritized aprox 15% 12.4 - 12.9, Mafic inclusion										
18.3-	5.58-	ALTERED GRANITE	37142	18.3	18.8	5.58	5.73	0.5	0.15	Tr	.06	.06
18.8	5.73	Strong chloritic, epidotic alt. of all but quartz										
18.8-	5.73-	GRANITE PPY										
24.7	7.53	Fresh granite.										
24.7-	7.53-	ALTERED GRANITE										
25.8	7.86	Strong to mod. prop. alt. of porph granite. K-spar greenish gray. Plag - waxy bluish green.	37143	24.7	25.8	7.53	7.86	1.1	0.33	.12	.24	.06
25.8-	7.86-	GRANITE PPY										
26.2	7.98	Fresh granite										
26.2-	7.98-	APLITE/PEGMATITE										
29.5	8.99	Bleached white, gray, aplite/pegmatite dyke. Traces Py.										
29.5-	8.97-	GRANITE PPY										
31.2	9.51	Fresh granite 29.5 - 30.5, pegmatitic phase										
31.2-	9.51-	INCLUSION										
31.7	9.66	Gneissic mafic rich, med gn. inclusion.										
31.7-	9.66	NON-PPY GRANITE										
32.5	9.91	Med. grained intrusive. No pink k-spar or pheno.										
32.5-	9.91-	INCLUSION										
32.6	9.94	As 31.2 - 31.7										

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
73.9- 78.4	22.52- 23.90	ALTERED GRANITE Strong chloritic alt. of porph. granite. Sheared Some gouge development	37372	73.9	78.4	22.52	23.90	4.5	1.37	6.23	.16	.24		
78.4- 81.3	23.90- 24.78	ALTERED GRANITE As 62.8 - 70.5 73.5 - 86.0 ~ 0.5' GROUND CORE	37373	78.4	81.3	23.90	24.78	2.9	0.88	.06	.01	.00		
81.3 - 84.0	24.78- 25.60	SHEAR/ALTERATION ZONE 81.3 - 81.4, Clay gouge 81.4 - 84.0- Sheared chloritic alt. granite	37374	81.3	84.0	24.78	25.60	2.7	0.82	.00	.02	.00		
84.0- 96.5	25.6- 29.4	ALTERED GRANITE Weak to mod. chloritic alt. of granite. Plag greenish gray. K-spar pink	37375	84.0	88.0	25.6	26.82	4.0	1.22	17	.00	.00		
96.5- 109.0	29.4- 33.22	GRANITE PPY Fresh granite												

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET From	FEET To	METERS From	METERS To	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
32.6- 49.0	9.94- 14.93	GRANITE PPY Fresh granite 46.6 - 47.3, pegmatitic phase 48.2 - 49.0, Gneissic, mafic rich med, gn inclusion										
49.0- 50.0	14.94- 15.24	MAFIC RICH INCLUSION										
50.0 51.4	15.24- 15.67	ALTERATION ZONE Strong chloritic alt. of porph. granite k-spar gray to greenish gray. Quartz unaltered. G.M. f.g. chlorite & epidote	37363	50.0	51.4	15.24	15.67	1.4	0.43	00	.07	.06
51.4- 53.6	15.67 16.34	BRECCIA ZONE Brecciated altered granite & quartz in a fine grained chloritic g.m. Traces gl, sp.	37364	51.4	53.6	15.67	16.34	2.2	0.67	.23	01	.03
53.6- 56.0	16.34- 17.07	ALTERATION ZONE Greenish gray, fine ~~gdm~~ grained alt. granite All minerals ground to f.g. assemblage of argillic, chloritic, epidotic material.	37365	53.6	56.0	16.34	17.07	2.4	0.73	.06	.08	.04
56.0- 59.0	17.07- 17.98	BRECCIA ZONE As 51.4 - 53.6 Traces sulphides	37366	56.0	59.0	17.07	17.98	3.0	0.91	.12	.07	.03
59.0- 62.8	17.98 19.14	ALTERATION ZONE Strong shearing, chloritic alt. of porph granite 1' GROUND CORE BETWEEN 55' & 62.5'.	37367	59.0	62.8	17.98	19.14	3.8 (1' missing)	1.15	.27	.37	.70
62.8- 70.5	19.14- 21.49	ALTERED GRANITE Broken core, Moderate chloritic alt. of porph. granite. K-spar, pink. Plag, grown to greenish gray Mafic chloritized.	37368 37369	62.8 66.8	66.8 70.5	19.14 20.36	20.36 21.49	4.0 3.7	1.22 1.13	.19 .12	.01 .00	.00 .00
70-5- 71.6	21.49- 21.82	ALTERATION/SHEAR ZONE Strong chloritic alt. of sheared granite. Gouge developed. Shear at aprox 50° to core.	37370	70.5	71.6	21.49	21.82	1.1	0.34	.23	02	.00
71.6- 73.9	21.82- 22.52	ALTERED GRANITE As 62.8 - 70.5	37371	71.6	73.9	21.82	22.52	2.3	0.70	.00	.02	.00

SVEINSON WAY MINERAL SERVICES LTD. — DIAMOND DRILL LOG — PAGE 1

PROPERTY: Arlington
LOGGED BY: G. Allen
DATE LOGGED: May 3/81
DATE COLLARED: April 29/81
DATE COMPLETED: May 1/81

HOLE NO.: B-104
LOCATION: 16+60N
AZIMUTH: 318.5°
DIP AT COLLAR: -49.0°
DEPTH: 110' / 33.53m

DIP TESTS
___° AT ___'
___° AT ___'
___° AT ___'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METRES	Ag	Pb	Zn
0- 19.1	0- 5.82	GRANITE PPY Fresh Granite K-spar, pink, 2-3cm, aprox 30% Plag, white, 3-5mm, aprox 45% Quartz, gray, 3-8mm, aprox 15 - 20% Mafics, Hb greater than Bi, 2-4mm, aprox 10-15%										
19.1- 19.5	5.82- 5.94	ALTERED GRANITE Strong chloritic, epidotic alt. of granite.										
19.5- 21.5	5.94- 6.55	DYKE Aplite to med. grained felsic intrusive CI aprox 2										
21.5- 21.7	5.94- 6.61	ALTERED GRANITE As 19.1 - 19.5										
21.7- 24.0	6.61- 7.32	GRANITE PPY Fresh granite										
24.0- 25.0	7.32- 7.62	ALTERED GRANITE Strong epidote, chlorite alt. of g.m., K-spar pink to greenish gray.										
25.0- 52.4	7.62- 15.97	GRANITE PPY Fresh granite 30.5-31.2, Med. gn, mafic inclusion, Gnessis 37.0 - 38.0 "										
52.4- 56.4	15.97- 17.19	ALTERATION ZONE Strong chloritic &/or epidotic alt. of granite K-spar greenish, gray g.m, origional textures lost 55.3 - 55.7, greenish altered aplite 55.8, Traces f.g. sulphides 55.7 -56.4, K-spar unrecognizable.	37201	52.4	56.4	15.97	17.19	4.0	1.22	.06	.10	.05

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
56.4-	17.19-	BRECCIA ZONE										
58.8	17.92	Brecciated quartz & altered granite with silicious matrix. Barren	37202	56.4	58.8	17.19	17.92	2.4	0.73	.00	.05	.09
58.8-	17.92-	ALTERATION ZONE										
61.0	18.59	Fine grained gray alt. granite. Origional texture ground to f.g., Chloritic, argillic alteration. 60.5 - 2mm q.v. with traces galena.	37203	58.8	61.0	17.92	18.59	2.2	.67	.12	.17	.13
61.0-	18.59-	BRECCIA ZONE										
62.7	19.11	As 56.4 - 58.8 Traces f.g. galena	37204	61.0	62.7	18.59	19.11	1.7	0.52	.00	.08	.75
62.7-	19.11-	ALTERATION ZONE										
65.0	19.81	Strong chloritic alt. of all but quartz crystals Some brecciation. 64.3 - 65.0, shear zone. 64.6 - 1cm gouge zone.	37205	62.7	65.0	19.11	19.81	2.3	0.70	.29	.33	.18
65.0-	19.81-	ALTERED GRANITE										
77.0	23.47	Moderate to weak chloritic alt. of granite. Broken core K-spar pink to brown	37206	65.0	69.0	19.81	21.03	4.0	1.22	.00	.00	.00
			37207	69.0	73.0	21.03	22.25	4.0	1.22	.00	.00	.00
		Plag, brownish Mafics, chloritized. 75.5 to 86.5, - 0.5' GROUND CORE	37208	73.0	77.0	22.25	23.47	4.0	1.22	.00	.00	.00
77.0-	23.47	SHEAR GOUGE ZONE	37209	77.0	80.0	23.47	24.38	3.0	0.91	.06	.08	.08
83.3	25.39	Quartz 'grains' (1-4mm) & frags. of k-spar & chloritic altered granite (plag +) in a greenish clay gouge matrix. 77.5 - 77.6, Traces f.g. galena & sphalerite.	37210	80.0	83.3	24.38	25.39	3.3	1.01	.06	.09	.06
83.3-	25.39-	ALTERED GRANITE										
85.7	26.12	as 65.0 - 77.0	37211	83.3	85.7	25.39	26.12	2.4 (0.5' missing)	0.73	.06	08	.08
85.7-	26.12-	SHEAR ZONE - GOUGE & ALTERED GRANITE										
87,0	26.52	Strong chloritic alt. with fine shear planes at 60° to core. Less than mm gouge on shear surface. Origional texture not preserved. Traces dissem. galena.	37212	85.7	87.0	26.12	26.51	1.3	0.40	.06	.09	.06

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
87.0- 89.5	26.52- 27.28	ALTERED GRANITE Moderate chloritic alt. of g.m. K-spar, pink. g.m. weak to strong chlor. alt.	37213	87.0	89.5	26.52	27.28	2.5	0.76	.00	.05	.00		
89.5- 110.0	27.28- 33.53	GRANITE PPY Fresh Granite												
		E.O.H.												

SVEINSON WAY MINERAL SERVICES LTD.

DIAMOND DRILL LOG

PROPERTY: Arlington
LOGGED BY: T. Henneberry
DATE LOGGED: May 1/81
DATE COLLARED: April 26/81
DATE COMPLETED: April 26/81

HOLE No.: B-105
LOCATION: 15+95N
AZIMUTH: 301.7° - 180° = 121.7
DIP AT COLLAR: +02.0°
DEPTH: 27' / 8.23m

DIP TESTS
____° AT ____'
____° AT ____'
____° AT ____'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION Intervals in feet	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
0- 4.5	0- 1.37	GRANITE PPY Porphyritic granite composed of 25% K-spar (as phenocrysts; less than 4cm), 30-40%plagioclase 20% qtz and 15% mafics (biotite greater than hornblende) The matrix can contain up to 5% k-feldspar at the expense of plagioclase. This zone is predominantly fresh granite, although it shows extremely weak kaolinazation of 10% of the plagioclase. The mafic show chloritization 10% of the fractures show chloritization. There is a zone of broken core from 0.6-1.0 ft. There is lcm pegmatitic stringer at 3.8' at 55° tocore.										
4.5- 5.1	1.37- 1.55	ALTERATION ZONE Zone of moderate chloritic alteration, in which the mafics show complete chloritization. The plagioclase is completely altered to clays and shows a pale green chlorite color.	37136	4.5	5.7	1.37	1.74	1.2	0.37	Tr	.04	.01
			37137	5.7	5.8	1.74	1.77	0.1	0.03	.04	1.40	3.90
5.1- 6.6	1.55- 2.01	APLITE DYKE at 85° to core. The dyke forms most of the alt. zone for the 0.1 ft. vein it contains. The dyke shows intense chloritization, with the last 0.3 ft. remaining fairly fresh VEIN The vein is 0.1 feet in width and is at 60° to core. There is visible native Ag, 4% sphalerite & 1% galena.	37138	5.8	6.3	1.77	1.92	0.5	0.15	02	.04	.05
6.6- 7.0	2.01- 2.13	GRANITE PPY Zone of weak chloritization, marked by the alt. of mafics and weak chloritization of plagioclase										

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
7.0- 8.3	2.13 2.53	ALTERED GRANITE Zone of moderate chloritization. The plagioclase shows either chlorite or kaolinite/clays. The mafics are chloritized. 30% of the fractures show slickensides and strong chloritization. The core in this zone is fairly fractured.	37139	7.0	8.3	2.13	2.53	1.3	0.40	Tr	Tr	.02		
8.3- 18.7	2.53- 5.70	GRANITE PPY Zone of fresh to weakly chloritically altered granite. The mafics show moderate to complete chloritization, with the plagioclase showing moderate kaolinazation. There is a zone of moderate chloritic alteration with 20% of fractures showing intense chlorite from 10.5 - 11.5 ft. There is a zone of 70% k-spar from 9.2 - 10.2 ft. The zone of broken core from 17.6 - 18.3 shows hematite along 60% of the fractures.	37140	10.5	11.5	3.20	3.50	1.0	0.30	.08	.04	.01		
18.7- 19.7	5.70- 6.00	APLITE DYKE ZONE There are two aplite dykes (1) at 18.7-19.1' at 60° to core and (2) at 19.3 - 19.7' at 50% to core. Neither dyke shows any appreciable alt. The 0.2 ft. granitic zone between shows moderate chloritic alt. and intense kaolinization of plagioclase.													
19.7- 26.4	6.00- 8.05	GRANITE PPY Predominantly fresh granite. Showing very weak kaolinization and mod. chloritization of the mafics. 20% of fractures show hematite stain												
26.4- 27.0	8.05- 8.23	ALTERED GRANITE Zone of weak chloritic alt. marked by chloritization of mafics, moderate chloritization and kaolinization of plagioclase. 50% of fractures show intense chlorite and slicken sides The last 0.2 ft of zone isbroken core. 27.0' or 8.23m, E.O.H.	37141	26.4	27.0	8.05	8.23	0.6	0.18	.06	.04	.02		

SVEINSON WAY MINERAL SERVICES LTD. DIAMOND DRILL LOG PAGE 1

PROPERTY	Arlington	HOLE NO.	B-106
LOGGED BY	T. HENNEBERRY	LOCATION	1579on
DATE LOGGED	April 29/81	AZIMUTH	274.1°
DATE COLLARED	April 28/81	DIP AT COLLAR	-31.0°
DATE COMPLETED	April 28/81	DEPTH	82.0'/24.99m

DIP TESTS
____° AT ____'
____° AT ____'
____° AT ____'

INTERVAL (FEET)	INTERVAL (METRES)	DESCRIPTION (Intervals in feet)	SAMPLE NO.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METRES
0- 7.0	0- 2.13	ALTERED GRANITE Zone of weak to mod. chloritic alt. (chloritization of plagioclase and mafics) with some plagioclase also showing argillicalt. The zone also shows 50% (locally to 70%) k-feldspar, of which 2 - 5% (locally to 10%) is matrix k-feldspar. There is 10 - 15% quartz, 25-30% plagioclase and 10 - 15% mafics. There is 0.9 ft. of core missing over the first 4 ft. The remaining core is extremely fractured and broken up.							
7.0- 7.9	2.13= 2.41	GRANITE PPY Zone of weakly chloritically altered granite. Weak kaolinization of plagioclase.							
7.9- 9.4	2.41- 2.86	ALTERED GRANITE Zone of weak to mod. chloriticalteration with 20% of fractures showing weak chloritic alt.							
9.4- 11.2	2.86- 3.41	GRANITE PPY Predominantly fresh granite showing weak chloritization of mafics & minor kaolinization of the plagioclase.							
11.2- 14.9	3.41- 4.54	ALTERED GRANITE Zone of weak chloritic alt. also marked by a 70% k-feldspar content.							
14.9- 15.6	4.54- 4.75	ALTERED GRANITE Zone of moderate chloritic alt. with mafics and plagioclase completely altered.							
15.6- 16.9	4.75- 5.15	APLITE DYKE at 65° to core. The dyke shows weak chloritic alteration, with argillic and/or chloritic alt. along 40% of fractures.							

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
16.9- 20.3	5.15- 6.19	ALTERED GRANITE Zone of moderate chloritic alt. marked by chloritization of mafics and plagioclase as well as weak chloritization of the k-feldspar phenocrysts 10% of fractures show argillic alt. There is a 1cm gouge zone between this zone and the next zone. The gouge shows strong chloritic and argillic alteration.												
20.3- 26.6	6.19- 8.11	ALTERED GRANITE Zone of intense chloritic alteration, also marked by an influx of quartz. There are zones of mineralization and gouge zones within the unit. 20.3 - 21.2, Zone of intense chlorite 1-3% galena, 5 - 10% sphalerite. 21.2 - 21.8, Main mineralized zone, 20% galena 15% sphalerite. 21.8 - 23.8 Intense chloritic alt. 1% sphalerite 23.8 - 24.3, Mineralized zone 3% galena, 8% sphalerite. 24.3 - 25.3, Intense chloritic alt. 1% sphalerite 25.3 - 26.6, Intense chloritic alt. 1-5% galena 5% sphalerite.	37165	20.3	21.2	6.19	6.46	0.9	0.27	Tr	1.92	2.60		
			37166	21.2	21.8	6.46	6.64	0.6	0.18	5.84	22.47	5.00	87, 3.37,	.75/1.2
			37167	21.8	23.8	6.64	7.25	2.0	0.61	Tr	12	.06		
			37168	23.8	24.3	7.25	7.41	0.5	0.15	.50	2.04	3.00		
			37169	24.3	25.3	7.41	7.71	1.0	0.30	04	.06	.04		
			37170	25.3	26.6	7.71	8.11	1.3	0.40	.20	.42	.23		
26.6- 26.9	8.11- 8.20	APLITE DYKE at 25° to core. The dyke shows mod. chloritic alt.												
26.9- 28.3	8.20- 8.62	ALTERATION ZONE Zone of intense chloritic alt. also marked by an influx of quartz, 1-2% sphalerite, 1% galena	31771	26.9	28.3	8.20	8.62	1.4	0.43	.02	.06	.05		
28.3- 28.6	8.62- 8.72	ALTERED GRANITE Zone of moderate chloritic alt. with pink K-felspar phenocrysts still visible.												
28.6- 32.4	8.72- 9.88	ALTERATION ZONE Zone of intense chloritic alt. also marked by a noticable influx of quartz. There are visible fine grained sulphides. (galena?) and sphalerite making up 5- 10% of the rock. There is a 1 cm gouge zone at 31.9 ft.	31772	38.6	32.4	8.72	9.88	3.8	1.16	.06	.10	.09		

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET From	FEET To	METERS From	METERS To	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
32.4- 35.0	9.88- 10.67	GRANITE PPY Zone of weak chloritic alt. also marked by kaolinization of the plagioclase. There is an influx to 10% of matrix K-feldspar.												
35.0- 36.6	10.67- 11.16	ALTERED GRANITE Zone of moderate chloritic alt., with pink K-feldspar phenocrysts still visible.												
36.6- 37.7	11.16- 11.49	GRANITE PPY Zone of weak chloriticalt. also marked by the kaolinization of the plagioclase. There is an increase to 10% of the matrix K-feldspar.												
37.7- 40.4	11.49- 12.31	ALTERED GRANITE Zone of moderate chloritic alt. with a 1 cm gouge zone at 38.1 - 38.2												
40.4- 43.2	12.31- 13.17	GRANITE PPY Zone of weak chloritic alt. also marked by an increase to 70% of phenocrystic k-feldspar.												
43.2- 44.4	13.17- 13.53	ALTERED GRANITE Zone of moderate chloritic alt. 1% galena	37173	43.2	44.4	13.17	13.53	1.2	0.36	Tr	Tr	.01		
44.4- 47.0	13.53- 14.33	GRANITE PPY Zone of weak chloritic alteration also marked by an increase to 70% of k-feldspar phenocrysts.												
47.0- 48.0	14.33- 14.63	ALTERED GRANITE ZONE of intensely chloritically altered granite The exterior shows a gouging effect. Moderately rounded quartz and abundant rock flour along the last 0.4 feet.	37174	47.0	48.0	14.33	14.63	1.0	0.30	Tr	.08	.05		
48.0- 51.8	14.63- 15.79	GRANITE PPY Zone of weak chloritic alt. Makked by moderate kaolinization of the plagioclase. 20% of fractures show hematite. Much of this zone exhibits broken heavily fractured core.												

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INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
51.8-53.7	15.79-16.37	ALTERED GRANITE Zone of moderate chloritic alteration, with only the K-feldspar phenocrysts remaining relatively fresh. Core again is moderately broken & fractured.	37175	51.8	53.7	15.79	16.37	1.9	0.58	.04	.06	.02
53.7-59.8	16.37-18.23	GRANITE PPY Relatively fresh granite marked only by weak chloritization of mafics and very weak to moderate kaolinization of plagiocalse.										
59.8-68.7	18.23-20.94	ALTERATION ZONE Zone of moderate to intense chloritic alteration in which only the K-feldspar phenocrysts remain relatively fresh. Slicken sides are evident on 40% of the fractures that are no- drill induced 59.8 - 62.0, Moderate chloritic alt. Slickensides on 80% of the fractures.	37064	57.8	62.0	18.23	18.90	2.2	0.67	Tr	.02	.03
		62.0 - 66.1, Weak to moderate chloritic alt. also 3% sulfides (very fine grained) visible	37065	62.0	66.1	18.90	20.15	4.1	1.25	Tr	.02	.04
		Native Ag along a 60° fracture at 67 cm, also at 68.4 feet.	37066	66.1	68.7	20.15	20.94	2.6	0.79	Tr	.60	.09
68.7-79.0	20.94-24.08	GRANITE PPY Predominantly fresh granite marked by very weak kaolinization of 2% of the plagioclase. The mafics are relatively fresh. There is a minor horizon of weak chloritic alteration from 74.7-75.2 feet.										
79.0-80.8	24.08-24.63	ALTERED GRANITE Zone of weak chloritic alteration, also marked by an influx of quartz (silicification?)	37067	79.0	80.8	24.08	24.63	1.8	0.55	Tr	Tr	.01
80.8-82.0	24.63-24.99	GRANITE PPY Predominantly fresh granite, marked by weak kaolinization of plagioclase, and weak chloritization of mafics. 82.0 feet/ 24.99m E.O.H.										

SVEINSON WAY MINERAL SERVICES LTD.

DIAMOND DRILL LOG

PROPERTY: Arlington
LOGGED BY: G. Allen
DATE LOGGED: April 27, 1981
DATE COLLARED: Apr/22/81
DATE COMPLETED: Apr/24/81

HOLE NO.: B-107
LOCATION: 15+95N
AZIMUTH: 329.3°
DIP AT COLLAR: -30.0°
DEPTH: 76.3 ft. or 23.26m

DIP TESTS
___° AT ___'
___° AT ___'
___° AT ___'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals in Feet)	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
0-3.5	0-1.07	ALTERED GRANITE Weak chloritic alteration. Broken core 2.5' GROUND CORE.										
3.5-8.8	1.07-2.68	ALTERED GRANITE Weak to moderate chloritic alteratin of granite ppy. Plagioclase cream to greenish gray in color. Mafics altered to chlorite. K-spar pink aprox 35%. 7.0 - 7.8, Pegmatitic phase.										
8.8-10.3	2.68-3.14	CHLORITIC ALTERED GRANITE Moderate chlorite alteration. K-spar pink. Plag-epidote green.	37028	8.8	10.3	2.68	3.14	1.7	0.52	Tr	Tr	.03
10.3-12.2	3.14-3.72	APLITE DYKE/PEGMATITE Fine grained pink aplite with peg. phases. CI 2 (chlorite) 65° to core.										
12.2-13.4	3.72-4.08	ALTERATION ZONE Pervasive chloritic alt. of mafics & K-spar. Plagioclase epidote green. Original textures destroyed. Traces f.g. dissiminated sulphides.	37029	12.2	13.4	3.72	4.08	1.2	0.37	Tr	.06	.05
13.4-13.6	4.08-4.14	BRECCIA/SULPHIDE ZONE Quartz, sulphide filling in brecciated chloritic epidote rich altered granite aprox. 10% sphalerite, aprox 10% galena.	37030	13.4	13.6	4.08	4.14	0.2	0.06	4.10	7.37	13.86
13.6-16.4	4.14-5.00	ALTERATION ZONE Pervasive chloritic alteration. Plagioclase bluish green. Original textures destroyed only quartz not altered.	37031	13.6	16.4	4.14	5.00	2.8	0.85	Tr	Tr	.06

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals in feet)	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
16.4-17.0	5.00-5.18	APLITE DYKE Fine grained (less than 1 mm) quartz, feld & sericite. Greenish tint from chlorite content traces dissem. galena & Ag in hairline fractures	37032	16.4	17.0	5.00	5.18	0.6	0.18	.04	Tr	.17
17.0-23.8	5.18-7.25	ALTERED GRANITE Strong chloritic alteration. Original textures largely destroyed. G.M. between quartz crystals of light to dark green chlorite of altered feldspars & mafics. Vague greenish gray K-spar phenos visible in places. 19.0 - 5 mm. Q. V. at 55° to core. Hematite on one side. 23.6 - 1 cm. quartz filled breccia zone.	37033	17.0	20.0	5.18	6.10	3.0	0.91	.40	.06	.03
			37034	20.0	23.8	6.10	23.8	3.8	1.16	Tr	.02	.04
23.8-28.5	7.25-8.69	APLITE DYKE Fine to medium grained assemblage quartz, feld, sericite. Some chlorite & epidote giving the rock a pale epidote greenish gray color. 55° to core.	37035	23.8	28.5	7.25	8.69	4.7	1.43	.04	.02	.03
28.5-30.6	8.69-9.33	ALTERATION, GOUGE SULPHIDE ZONE Intensly altered granite. Quartz crystals rounded. G.M. of chlorite, sericite & argillaceous minerals. No origional textue preserved. 29.2-29.25- Silicified breccia zone with aprox 50% f.g. sulphides. Traces visible Ag 29.25-29.3- Greenish clay gouge 29.4-29.5- Silicified breccia with aprox 50% f.g. galena. 29.5-29.6- Greenish clay gouge 29.6-29.7- Quartz vein with aprox 20% sulphides Traces Ag 29.7-29.75- Greenish gouge zone 29.75-30.6- Intensely sheared granite- gouge zone. f.g. sulphides streaked out at 55° to core. Fine grained disseminated Ag throughout	37036	28.5	30.6	8.69	9.33	2.1	0.64	1.08	.54	.17
30.6-34.7	9.33-10.58	ALTERATION ZONE Intense chloritic, argillic altered granite sericitic. Fractured, with gouge along fractures.	37037	30.6	34.7	9.33	10.58	4.1	1.25	.88	.02	.03

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
34.7-38.5	10.58-11.73	ALTERED GRANITE Moderate chloritic alteration. K-spar phenos. Mostly pink. Plag altered to pale green. Mafics chloritized.	37038	34.7	38.5	10.58	11.73	3.8	1.16	.06	.01	.02
38.5-44.9	11.73-13.68	ALTERATION, GOUGE, SULPHIDE ZONE Intensely altered granite. Rounded quartz grains in a sheared chloritic g.m. Zones of gouge & sulphides. Shearing at 75° to core. 39.6- 1cm. Greenish clay gouge. 40.05-40.2- Gouge (1cm) & f.g. sulphide zone	37039	38.5	41.0	11.73	12.50	2.5	0.76	4.54	.22	.16
		41.0-41.7- Fractured dark green siliceous zone (altered quartz vein?) with aprox 15% dissem. galena & sphalerite. Traces CP Aprox. 80° to core (?)	37040	41.0	41.7	12.50	12.71	0.7	0.21	.56	5.40	1.36
		41.7-42.3- Intensely altered granite. Chloritic argillic. Traces dissem. Ag & f.g.-sulphides	37041	41.7	42.3	12.71	12.09	0.8	0.24	.04	.48	.35
		42.3-42.6- Quartz filled breccia zone with 50% & f.g. galena & sphalerite.	37042	42.3	42.6	12.89	12.98	0.3	0.09	.82	25.31	12.40
		42.6-44.2- Intensely altered granite. Chloritic alteration. Rounded quartz grains in chloritic g..m.	37043	42.6	44.2	12.98	13.47	1.6	0.49	.02	.22	.07
		44.2-44.4- Silicified breccia at aprox 60° to core. Aprox 50% f.g. galena & sphalerite	37044	44.2	44.4	13.47	13.53	0.2	0.6	Tr	13.85	.95
		44.4-44.9- Alt. & gouge zone. F.G. sulphides streaked out in 1-2 mm bands at aprox 60° to core Greenish gray gouge.	37045	44.4	44.9	13.53	13.68	0.5	0.15	.03	.72	.29
44.9-46.0	13.68-14.02	ALTERED GRANITE Moderate chloritic, prophlitic alt. Origional textures largely preserved. K-spar pink/	37046	44.9	46.0	13.68	14.02	1.1	0.33	Tr	.08	.01
46.0-46.5	14.02-14.174	GOUGE ZONE Greenish clay gouge & ground granite.	37047	46.0	46.5	14.02	14.17	0.5	0.15	.02	.04	.03
46.5-47.1	14.17-14.36	ALTERED GRANITE Weak chloritic alt. of pegmatitic granite.	37048	46.5	47.1	14.17	14.36	0.6	0.18	1.18	.02	.01

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET From	FEET To	METERS From	METERS To	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
47.1-48.0	14.36-14.63	ALTERED GRANITE Intensely chloritic argillic altered granite. highly fractured core. 0.4' missing between 38' & 48'	37049	47.1	48.0	14.36	14.63	0.9	0.27	Tr	Tr	.02		
48,0-49.2	14.63-15.00	ALTERED GRANITE Moderate chloritic alteration of granite.	37050	48.0	49.2	14.63	15.00	1.2	0.37	30.30	Tr	.01	939,	- /12m
49.2-50.6	15.00-15.42	ALTERATION AND SULPHIDE ZONE Strong chloritic, argillic alt. with narrow siliceous breccia zones Carrying sulphides & hematite (1-5cm)	37126	49.2	50.6	15.00	15.42	1.4	0.42	Tr	.14	.11		
50.6-51.2	15.42-15.61	ALTERED GRANITE Moderate chloritic alt.	37127	50.6	51.2	15.42	15.61	0.6	0.18	.10	Tr	Tr		
51.2-52.0	15.61-15.85	ALTERATION/GOUGE ZONE Strong chloritic, argillic alt. Sheared to gouge & ground granite.	37128	51.2	52.0	15.61	15.85	0.8	0.24	.08	.06	.06		
52.0-58.0	15.85-17.68	ALTERED GRANITE Weak to moderate chloritic alt. 52.6-52.8- 5 cm quartz filled breccia & stringer zone. Hematitic. Strong chloritic alt.	37129	52.0	58.0	15.85	17.68	6.0	1.83	Tr	Tr	Tr		
58.0-58.4	17.68-17.80	ALTERATION ZONE Strong chloritic, argillic alt.	37130	58.0	58.4	17.68	17.80	0.4	0.12	.04	.04	.06		
58.4-58.5	17.80-17.83	SULPHIDE ZONE F.G. galena +(?) 50% & replacing granite (?) Ag in plates on fracture surfaces.	37131	58.4	58.5	17.80	17.83	0.1	0.03	170.12	23.91	4.45		
58.5-59.5	17.83-18.13	ALTERATION ZONE Moderate to strong chloritization. C.M.-f.g. masses chlorite. K-spar pink to greenishgray.	37132	58.5	59.5	17.83	18.13	1.0	0.30	6.92	.06	.03		
59.5-68.3	18.13-20.82	ALTERED GRANITE Weak chloritic alt. of granite. Mafics chloritized Plag. greenish to brownish. 61.1-61.8- Strong chloritic alt. zone. Hematite along fractures. 65.4-66.8- 50-60% K-spar	37133	59.5	64.5	18.13	19.66	5.0	1.52	7.62	.02	Tr	1014,	.08/1.85
			37134	64.5	68.3	19.66	20.82	3.8	1.16	Tr	Tr	Tr		

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
68.3- 74.8	20.82- 22.80	FRESH GRANITE K-spar- 2-3cm., pink, aprox 25% Plag.- 2-4 mm, white aprox 45% Quartz- 2-5 mm, gray, aprox 15% Mafics, 2-4 mm, fresh (black), aprox 10% Hb greater than Bi 69.8-71.0= Pegmatitic phase.												
74.8- 76.3	22.80- 23.26	ALTERED GRANITE Strong chloritic alt. of granite. Quartz rounded. G.M. of f.g. chlorite. Orggional textures destroyed. K-spar pink to gray to greenish gray. 76.3 ft. E.O.H. or 23.26m	37135	74.8	76.3	22.80	23.26	1.5	0.46	Tr	.04	.01		

SVEINSON WAY MINERAL SERVICES LTD. DIAMOND DRILL LOG

PROPERTY: Arlington
LOGGED BY: T. Henneberry
DATE LOGGED: July 25/81
DATE COLLARED: July 14/81
DATE COMPLETED: July 16/81

HOLE NO.: B-108
LOCATION: 17+50n
AZIMUTH: 300.58°
DIP AT COLLAR: +20.0°
DEPTH: 109'/33.22m

DIP TESTS
___° AT ___'
___° AT ___'
___° AT ___'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
0-9.5	0-2.90	GRANITE PPY Zone of predominantly fresh granite. Granite is comprised of 30% k-spar (predominantly as pheno. less than 4cm), the k-spar shows weak clays along rims and in fractures; 35 - 40% plag. wth 1-2% of the plag. showing weak kaolinie; 10 - 15% mafics, chl'd and 15% quartz. Fractures show weak chlorite; clays.										
9.5- 10.1	2.90- 3.08	PEGMATITE DYKE at 60° to core. Dyke is predomiantly fesh.										
10.1- 12.4	3.08- 3.78	GRANITE PPY Zone of predominantly fresh granite. Similar to 0- 9.5										
12.4- 13.0	3.78- 3.96	APLITE DYKE at 80° to core. Dyke is predominantly fresh.										
13.0- 17.0	3.96- 5.18	GRANITE PPY Zone of predominantly fresh granite as 0-9.5. This zone also shows weak silicification.										
17.0- 21.1	5.18- 6.43	ALTERED GRANITE Zone of weak alt. Mafics chl'd, Plag. kaolinite/ chlorite (weak) k-spar slight tinges of chlorite and clays. Fractures show weak chlorie ± clays										
21.1- 28.1	6.43- 8.56	ALTERED GRANITE Zone of weak to mod. alt. k-spar shows weak clays weak epidote. Mafics chl'd. Plag. clays + chlorite to mod. kaolin. Fractures weak chlorite, weak clays. There are sporadic zones of fresh ganite within this zone.	53955	21.1	28.1	6.48	8.56	7.0	2.13	.06	.00	.00
28.1- 33.3	8.56- 10.15	ALTERED GRANITE Zone showing an increase (to 80%) in k-spar. Alt.	53956	28.1	33.3	8.56	10.15	5.2	1.58	.06	.00	.00

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
		argillic for plag., chloritic for mafts and very weak epidote/ argillite for k-spar. Fractures show chlorite, clays ± hematite.										
33.3-44.5	10.15-13.56	ALTERED GRANITE Zone of intense alt. and broken core. K-spar shows complete epi'n. Plag. shows clays, chl & weak epidote. Mafics show complete chl'n. Much of this zone has textures partially destroyed. The zone has 1% gl.(concentrated in a 0.1 ft seam at 34.7' There are traces of gl throughout the rest of the zone. There is a sporadic limonite stain throughout the unit. Fractures show clays, chlorite± limonite.	53957	33.3	38.9	10.15	11.86	5.2	1.58	.145	.36	43
			53958	38.9	44.5	11.86	13.56	5.2	1.58	.12	.05	.06
44.5-47.5	13.56-14.48	ALTERED GRANITE Zone of strong arg'c/chl'c alt. in which the k-spar remains relatively fresh (shws weak clays along rims and fractures) All other minerals are completely alt. Traces Gl. Fractures chl. ± limonite	53959	44.5	47.5	13.56	14.48	3.0	0.91	.06	.00	.01
47.5-64.0	14.48-19.51	ALTERED GRANITE Zone of intense chl'c strong arg'c alt. Textures partially destroyed. There are also zns of strong epidote. Zone from 5.4-6.4' contains a 7.0' wash with the recovered core being well boken up Moderate limonite throughout zone.	53960	47.5	54.0	14.48	16.46	6.5	1.98	.41	.06	.16
			53961 5	54.0	64.0	16.46 (7.0'	19.51 missing)	10.0	3.05	.17	.09	.15
64.0-67.2	19.51-20.48	ALTERED GRANITE Zone of strong arg'c alt. with plg. being completely argillized. Mafics are chl'd. Pla K-spar shows weak clays. Fractures show clays ± limonite.	53962	64.0	67.2	19.51	20.48	3.2	0.98	.12	.00	.02
67.2-69.6	20.48-21.21	ALTERED GRANITE Zone of weak to mod. chl'c/arg'c alt Mafics chl'd Plag. chlorite + clays. K-spar shows a red color (due to Fe). Zone shows weak silicification. Fractures Fe + clays ± chlorite.	53963	67.2	69.6	20.48	21.21	2.4	0.73	.06	.00	.02
69.6-76.2	21.21-23.23	ALTERED GRANITE Zone of mod. chl'c alt. Plag shows chlorite & clays. K-spar shows weak chlorite/clays. The k-spar phenos comprise only 5% of this unit. Fractures show chlorite ±clays ± limonite.	53964	69.6	76.2	21.21	23.23	5.6	1.71	.00	.00	.00

HOLE No. B-108 PAGE ____

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
76.2-77.5	23.23-23.63	ALTERED GRANITE Zone of broken, limonite stained core, with plag. show chlorite/clays and k-spar remining only weakly argillized.	53965	76.2	77.5	23.23	23.62	1.3	0.40	.06	.00	.01		
77.5-] 85.7	23.63 26.12	ALTERED GRANITE Zone of mod. chl'c arg'c alt. Plagioclase chl/clays. K-spar weak clays along rims and fractures. There is 1% fresh (therefore secondary) mafics within the unite. Weak silicificatdn. Sporadic limonite stain. Fractures chlorite ± clays ± limonite.	53966	77.5	81.6	23.62	24.87	4.1	1.25	.06	.00	.00		
			53967	81.6	85.7	24.87	26.12	4.1	1.25	.06	.00	.01		
85.7-95.0	26.12-28.96	ALTERED GRANITE Zone is similar to 77.5 - 85.7 but shows no silicification. The zone also shows weaker alt, and an increase to 4% of the secondary mafics (biotite)	53968	85.7	90.7	26.12	27.65	5.0	1.52	.06	00	.00		
			53969	90.7	95.0	27.65	28.96	4.3	1.31	.12	.00	.01		
95.0-109.0	28.96-33.22	GRANITE PPY Predominantly fresh granite												
		109.0', 33.22m E.O.H.												

Sveinson Way Mineral Services Ltd.

Diamond Drill Log

Property	Arlington	Hole No.	B-109
Logged by	T. Henneberry	Location	17+50n
Date Logged	July 25/81	Azimuth	302.26°
Date Collared	July 14/81	Dip at Collar	-21.8°
Date Completed	July 14/81	Depth	23 ft/7.01 m stope

Dip Tests
___° at ___'
___° at ___'
___° at ___'

Interval (Feet)	Interval (Thickness)	Description (Intervals in Feet)	Sample No.	Feet From	Feet To	Meters From	Meters To	Width Feet	Width Meters	Ag	Pb	Zn
0.0-0.6	0.0-0.18	GRANITE PORPHYRY Fresh granite composed of 30% K-feldspar (predominantly as phenocyrsts; less than 4 cm); 35-40% plagioclase, 10-15% mafics (chloritized); and 15% quartz. The core in this and the next zone is broken up.										
0.6-1.3	0.18-0.40	APLITE DYKE at 80° to core. Dyke fractures show weak chlorite.										
1.3-4.4	0.40-1.34	GRANITE PORPHYRY Fresh granite.										
4.4-5.1	1.34-1.55	PEGMATITE DYKE at 80° to core. Dyke is fairly fresh.										
5.1-7.0	1.55-2.13	GRANITE PORPHYRY Fresh Granite.										
7.0-9.5	2.13-2.90	ALTERED GRANITE Zone of weak to moderate chloritic alteration, weak silicification. Plagioclase shows kaolinite and chlorite. K-feldspar weak clays.	53945	7.0	9.5	2.13	2.90	2.5	0.76	17	.10	04
9.5-10.4	2.90-3.17	GRANITE PORPHYRY Fresh granite.										
10.4-10.9	3.17-3.32	PEGMATITE DYKE at 90° to core. Predominantly fresh.										
10.9-12.1	3.32-3.69	GRANITE PORPHYRY Fresh granite.										
12.1-16.1	3.69-4.91	ALTERED GRANITE Zone of moderate chloritic alteration. Plagioclase chlorite/kaolinite, K-feldspar weak chlorite/clays Fracutres chlorite ± clays. Zone shows weak silicification.	53946	12.1	16.1	3.69	4.91	4.0	1.22	06	01	00

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals in Feet)	SAMPLE No.	FEET From	FEET To	METERS From	METERS To	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
16.1- 17.1	4.91- 5.21	ALTERED GRANITE Zone of moderate chloritic/epidotic alteration, moderate silicification. Plagioclase chlorite/kaolinite, k-feldspar epidote. Fractures chlorite ± epidote ± clays.	53949	16.1	17.1	4.91	5.21	1.0	0.30	.12	.00	.00
17.1- 17.7	5.21- 5.39	PEGMATITE DYKE at 90° to core. Dyke shows weak chloritic, argillic alteration.										
17.6- 19.6	5.39- 5.97	ALTERED GRANITE Zone of weak argillic/chloritic alteration (plagioclase).										
19.6- 20.8	5.97- 6.34	PEGMATITE DYKE at 80° to core. Weak chloritic/argillic alteration.										
20.8- 21.8	6.34- 6.64	ALTERED GRANITE Zone of moderate chloritic/argillic alteration (plagioclase + weak on K-feldspar) Fractures chlorite ± clays.										
21.8- 23.0	6.64- 7.01	PEGMATITE DYKE at 70° to core. Weak chlorite/epidote. Hit stope at 23.0 ft 7.01 m										

PROPERTY: Arlington
LOGGED BY: T. Henneberry
DATE LOGGED: July 26/81
DATE COLLARED: July 17/81
DATE COMPLETED: July 23/81

HOLE NO.: B-113
LOCATION: 17+40 n
AZIMUTH: 305.12°
DIP AT COLLAR: +19.2°
DEPTH: 713'/34.44m

DIP TESTS
___° AT ___'
___° AT ___'
___° AT ___'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE NO.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
0-3.9	0-1.19	GRANITE PPY Predominantly fresh granite comprised of 30% K-spar (predominantly as pheno; less than 4cm); 35-40% plag., 10-15% mafics (chl'd) and 15-20% qtz. Fractures show chl' hematite ± clays. The zone shows very weak silicification.										
3.9-4.3	1.10-1.31	PEGMATITE DYKE at 20° to core. Dyke is fresh and has 5% mafics (hornblende).										
4.3-10.6	1.31-3.23	ALTERED GRANITE Zone of weak chl'c/ arg'c alt. Plag. shows kaolin & weak chlorite. K-spar shows weak clays on crystal margins and fractures. Fractures chlorite ± clays ± hematite ± calcite. There is a small pegmatitic stringer at 10° to core at 9.4 - 9.7 feet.										
10.6-12.6	3.24-3.84	GRANITE PPY Predominantly fresh granite as 0-3.9'.										
12.6-13.2	3.84-4.02	PEGMATITE DYKE at 70° to core. Dyke shows weak epidote.										
13.2-16.3	4.02-4.97	ALTERED GRANITE Weak argillic alt. granite. Plag. shows white clays. K-spar shows clays on rims and fractures. Fractures show clays.	53977	13.2	16.3	4.02	4.97	3.1	0.94	.06	.00	.01
16.3-17.2	4.97-5.24	PEGMATITE DYKE at 50° to core. Dyke is predominantly fresh, but has a small (0.2') alt. envelope of weak chl'c. alteration.										

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
17.2-21.8	5.24-6.64	GRANITE PPY Predominatly fresh granite, similar to 10.6-12.6 but with a 5% increase in mafics (at expense of k-spar). Fractures show clays ± chlorite.										
21.8-22.2	6.64-6.77	PEGMATITE DYKE at 70° to core. Dyke is predominantly fresh, but has a (0.4') alt. envelope of weak chl'c alt.										
22.2-24.5	6.77-7.47	GRANITE PPY Predominantly fresh granite as 17.2-21.8.										
24.5-26.9	7.47-8.20	ALTERED GRANITE Zone of mod. to strong chl'c alt., with plag. showing chlorite mask over clays. K-spar shows chl ± hematite ± clays.	53978	24.5	26.9	7.47	8.20	2.4	0.73	.34	.14	.07
26.9-33.0	8.20-10.06	ALTERED GRANITE Zone of weak chl'c/ arg'c alt., with a plag showing weak kaolinite/chlorite, K-spar shows weak clays. Fractures show strong chlorite ± clays ± hematite.										
33.0-34.8	10.06-10.61	ALTERED GRANITE Zone of strong chl'c/arg'c/ep'c alt. Plag shows clays and chlorite. K-spar shows clys/chl/epi. Also interstatial epidote. Fractures chlorite ± epidote ± clays. Traces Gl		33.0	34.8	10.06	10.61	1.8	0.55	.37	.09	.23
34.8-37.2	10.61-11.34	ALTERATION, BRECCIA ZONE Zone of strong chl' epdote, argillic alt. Original textures partially preseved. Plagioclase clays/chlorite. K-spar chlorite/clys/epidote. Also interstial epidote. Qtz. is fractured indicative of movement. Fractures chlorite ± clays.	53980	34.8	37.2	10.61	11.34	2.4	0.73	.17	.03	.05
37.2-38.1	11.34-11.61	ALTERED GRANITE Zone of moderate kaolinic alt. of plagioclase. k-spar shows weak clays. Fractures strong chl. ± clays.	53981	37.2	38.1	11.34	11.61	0.9	0.27	.06	.00	.02
38.1-41.5	11.61-12.65	ALTERATION, SULFIDE ZONE Zone of strong chl'c/arg'c alt. Plag. clays/chl.										

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
		K-spar chlorite, weak clays. Fractures chl/clays. Galena as disseminations and in small qtz veinlets in zone (2% total) traces sp.	53982	38.1	41.5	11.61	12.65	3.4	1.04	52	.05	.13
41.5-45.6	12.65-13.90	ALTERED GRANITE Zone of strong ep'c/chl'c alt. Plagioclase chl. clays; k-spar chl/clays/epidote. Epidote is also interstitial throughout. Fractures chl ± epidote ± clays. Traces Gl	53983	41.5	45.6	12.65	13.90	4.1	1.25	.17	.05	.08
45.6-47.5	13.90-14.48	ALTERED GRANITE Zone of strong epidotic/chl'c alt., wih k-spar still partially pink. Plag. shows chl/clays. Interstitial epidote. Fractures chl ± days ± ep.	53984	45.6	47.5	13.90	14.48	1.9	0.58	.12	.01	01
57.5-49.3	14.48-15.03	ALTERED GRANITE Zone of strong ep'c/chl'c alt. Plag. clays/chl. K-spar epidote. Also interstitial epide. Fractures chlorite ± epidote ± clays. Traces Gl.	53985	47.5	49.3	14.48	15.03	1.8	0.55	.17	.05	.05
49.3-49.7	15.03-15.15	APLITE DYKE at 70° to core. Dyke shows strong epidote. Traces gl.	53986	49.3	49.7	15.03	15.15	0.4	0.12	.06	.10	.01
49.7-53.0	15.15-16.15	ALTERATION, SULFIDE ZONE Alt. are as 47.5 - 49.3. Gl is disseminated through out, and also in small zone at 50.3-50.4'.	53987	49.7	53.0	15.15	16.15	3.3	1.00	.140	.66	.18
53.0-54.4	16.15-16.58	ALTERED GRANITE Zone of strong arg'c/ep'c alt.K-spar predominantly fresh (just weak clays, secondary?), Plag. clays/chlorite. Interstitial epidote. Fractures chlorite ± clays.	53988	53.0	54.4	16.15	16.58	1.4	0.43	.06	.00	.36
54.4-55.6	16.58-16.95	ALTERED GRANITE Zone of pervasive chl'c/arg'c alt. Plag chlorite clays. K-spar chlorite. Interstitial clays. Fractures chlorite/clays.	53989	54.4	55.6	16.58	16.95	1.2	0.37	.06	.04	.08
55.6-56.2	16.95-17.13	ALTERED GRANITE Zone of strong argillic epidotic alt. as 53.0-54.4'.	53990	55.6	56.2	16.95	17.13	0.6	0.18	.06	00	.03

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET From	FEET To	METERS From	METERS To	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
56.2-58.3	17.13-17.77	ALTERATION, GOUGE ZONE Zone of strong argillic/chl'c alt. K-spar remains partially pink. Plag. strong clays/chl. Interstitial clays. Fractures chlorite ± clays. Gouges at 57.1-57.3', 58.0'.	53991	56.2	58.3	17.13	17.77	2.1	0.64	.12	.02	.03
58.3-62.0	17.77-18.90	ALTERED GRANITE Zone of mod. to strong argillic alt. K-spar shows weak clays. Plagioclase is completely argillized. Fractures weak chlorite/clays. There is barren 0.1' quartz vein at 59.8 feet.	53992	58.8	62.0	17.77	18.90	3.7	1.13	.06	.00	.01
62.0-62.9	18.90-19.17	ALTERED GRANITE Zone of weak chl'c/arg'c alt. Zone is 60% k-spar (predominantly fresh; secondary?) Interstitial clays/chlorite. Fractures chlorite/clays.	53993	62.0	62.9	18.90	19.17	0.9	0.27	.06	.00	.01
62.9-70.9	19.17-21.61	ALTERED GRANITE Zone of weak chl'c/arg'c alt., weak silicification K-spar (50%) shows only weak clays on rims & fractures. Plagioclase chlorite/clays. Fractures chlorite ± clays ± limonite.										
70.9-84.7	21.61-25.82	ALTERED GRANITE Zone of weak chl'c argillic alt. mod. silicification Plag. kaolin/chl, k-spar weak clays. Fractures chlorite ± clays ± hematite.										
84.7-86.2	25.82-26.27	ALTERED GRANITE Zone of strong argillic alt. Plag. is arg'd. K-spar shows weak clays. Fractures hematte ± clays.										
86.2-87.5	26.27-26.67	ALTERED GRANITE Zone of strong argillic'chl'c alt. K-spar weak clays. Plag. chl/clays. Frac. chl ± clys.	53994	86.2	87.5	26.27	26.67	1.3	0.40	.06	.00	.00
87.5-91.4	26.67-27.86	ALTERED GRANITE Zone of strong argillic alt. Somewhat similar to 84.7-86.2, except that k-spar is now 60-70% of rock.										
91.4-97.2	27.86-29.63	GRANITE PPY Fresh to weakly argillically chloritically alt. granite 10% of plag. shows clays/chl, K-spar very										

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET From	FEET To	METERS From	METERS To	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
		weak clays. Fractures chlorite ± clays.												
97.2-99.7	29.63-30.39	ALTERED GRANITE Zone of moderate argillic/chl'c alt. Mag. chl/clays. K-spar weak clays. Fractures chlorite ± clays.	53995	97.2	99.7	29.63	30.37	2.5	0.76	12	.01	.01		
99.7-113.0	30.39-34.44	GRANITE PPY Fresh granite.												
		113.0', 34.44m E.O.H.												

PROPERTY: Arlington
LOGGED BY: T. Henneberry
DATE LOGGED: July 28,1981
DATE COLLARED: July 24/81
DATE COMPLETED: July 24/81

HOLE NO.: B+.114
LOCATION: 17+40 n
AZIMUTH: 301.42°
DIP AT COLLAR: -21.2°
DEPTH: 30'/9.14 stope

DIP TESTS
___° AT ___'
___° AT ___'
___° AT ___'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET From	FEET To	METERS From	METERS To	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
0-0.8	0-0.24	GRANITE PPY Predominantly fresh granite. 25% k-spar (predominantly as phenocrysts less than 4cm); 40-45% plagioclase; 10-15% mafics (chl'd)/ 15-20% qtz. Clean fractures.										
0.8-2.6	0.24-0.79	PEGMATITIC APLITIC DYKE at 40° to core. Weak clays.										
2.6-3.1	0.79-0.94	ALTERED GRANITE Zone of moderate chl'c, ep'n, arg'c alt. K-spar weak clays, epidote. Plagioclase kaolin, chlorite Fractures clean.	53923	2.6	3.1	0.79	0.94	0.5	0.15	.00	.01	.00
3.1-5.4	0.94-1.65	GRANITE PPY Fresh to weakly chloritically argillically alt. granite. Fractures chl ± clays ± calcite ± hematite.										
5.4-6.3	1.65-1.92	ALTERED GRANTTE Zone of mod. kaolinic, weak chl'c/ mod. silicification. K-spar weak clays on crystalrims and margins. Plag. kaolinite/ chl. Fractures chlorite ± clays ± calcite ± hematite.	53924	5.4	6.3	1.65	1.92	0.9	0.27	.00	.00	.00
6.3-9.4	1.92-2.87	GRANITE PPY Fresh to weakly chloritically/argillically alt. granite as 3.1 - 5.4.										
9.4-15.8	2.87-4.82	ALTERED GRANITE Zone of weak chl'c/arg'c alt. moderate silicification. Zone marked by an increase (to 60%) of k-spar, which shows weak clays. Plagioclase show kaolinite ± chlorite. Also weak epidote. Fractures chlorite ± clays.										
1												

HOLE No. B-114 PAGE ____

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
15.8-	4.82-	GRANITE PPY												
17.4	5.30	Zone of fresh to weakly chl'c granite, with mod. silicification. Chlorote is interstitial. Fractures chl ± clays.												
17.4-	5.30-	ALTERED GRANITE												
18.7	5.70	Zone of mod. argillic/weak chl'c alt. Plag. clays /kaolin/ ± chlorite. Zone has 60% k-spar, weak clays. Fractures clays ± chlorite.	53925	17.4	18.7	5.30	5.70	1.3	0.40	00	.00	.00		
18.7-	5.70	GRANITE PPY												
18.9	5.76	Fresh granite.												
18.9-	5.76-	ALTERED GRANITE												
20.5	6.25	Zone of mod. argillic alt. Plag. completely to clays. K-spar, weak clays. Fractures clays ± hematite ± epidote.	53876	18.9	20.5	5.76	6.25	1.6	0.49	06	.01	.01		
20.5-	6.25-	ALTERED GRANITE												
21.0	6.40	Zone of pervasive chl'c/ arg'c alt. All textures destroyed. Traces Cpy	53877	20.5	21.0	6.25	6.40	0.5	0.15	4.78	.14	.56		
21.0-	6.40-	ALTERED GRANITE												
23.3	7.10	Zone of strong arg'c/ weak to strong epidotic/ chl'c alt. Plag. shows complete arg'n, k-spar partial arg'n. Plag. ± chlorite, k-spar ± epidote Fractures chlorite ± clays.	53878	21.0	23.3	6.40	7.10	2.3	0.70	.06	.01	.00		
23.3-	7.10-	ALTERED GRANITE												
24.4	7.44	Zone of pervasive chl'c alt. mod. arg'c. Original textures mostely preserved. Fractures chlorite ± clays. Traces Gl.	53879	23.3	24.4	7.10	7.44	1.1	0.34	.29	05	.11		
24.4-	7.44-	ALTERED GRANITE												
25.2	7.68	Zone of mod. arg'c alt., marked by increase to 70% of k-spar. Plag. arg'd, k-spar mod. clays. Traces gl.	53880	24.4	25.2	7.44	7.68	0.8	0.24	.00	.01	.00		
25.2-	7.68-	ALTERATION SULFIDE ZONE												
30.0	9.14	Zone of pervasive chl. Original textues only partially preserved. Weak epidote, clys. 1% gl (disseminated)	53881	25.2	30.0	7.68	9.14	4.8	1.46	.87	.25	.10		
		E.O.H. 30.0' or 9.14m STOPE												

SVEINSON WAY MINERAL SERVICES LTD. DIAMOND DRILL LOG 53834 - 53836 PAGE 1

PROPERTY Arlington
LOGGED BY T. Henneberry
DATE LOGGED July 30, 1981
DATE COLLARED July 27/81
DATE COMPLETED July 28/81

HOLE NO. B-117
LOCATION 17+40N
AZIMUTH 125.60°
DIP AT COLLAR +1.9°
DEPTH ~~36 ft/10.97~~ m

DIP TESTS
____° AT ____'
____° AT ____'
____° AT ____'

INTERVAL (FEET)	INTERVAL (METRES)	DESCRIPTION (Intervals in feet)	SAMPLE No.	FEET FROM	FEET TO	METRES FROM	METRES TO	WIDTH FEET	WIDTH METRES
0.0-0.5	0.0-0.15	GRANITE PORPHYRY Fresh granite composed of 20-30% K-feldspar (predominantly as phenocrysts; less than 4 cm); 40-50% plagioclase; 10-15% mafics (chloritized); and 15-20% quartz. Clean fractures.							
0.5-2.1	0.15-0.64	APLITE DYKE/ALTERATION ENVELOPE Dyke is at 80° to core between 1.0-2.0ft Dyke shows clays/chlorite. Alteration zone shows strong argillic alteration. Fractures show clays ± chlorite ± hematite. Traces gl,sp,py	53834	0.5	2.1	0.15	0.64	1.6	0.49
2.1-2.7	0.64-0.82	ALTERED GRANITE Zone of moderate chloritic alteration. Plag chlorite/kaolinite. K-feldspar moderate clays Fractures clays ± chlorite.	53835	2.1	2.7	0.64	0.82	0.6	0.18
2.7-22.6	0.82-6.89	GRANITE PORPHYRY Fresh to sporadically weakly chloritically altered granite. Alterations seem to be associated with fractures. 5% of plagioclase shows kaolinite. Fractures chlorite ± clays ± calcite ± hematite.							
22.6-23.1	6.89-7.04	PEGMATITE DYKE at 90° to core. Weak clays.							
23.1-26.5	7.04-8.08	GRANITE PORPHYRY Predominantly fresh granite as 2.7-22.6 ft.							
26.5-29.4	8.08-8.96	ALTERED GRANITE Zone of weak chlorite/ argillic alteration/ feldspathization. Plagioclase kaolinite/chlorite	53836	26.5	29.4	8.08	8.96	2.9	0.88

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET From	FEET To	METERS From	METERS To	WIDTH FEET	WIDTH METERS
		K-feldspar, weak clays. Weak silicification. Fractures chlorite ± clays ± hematite.							
29.4- 32.0	8.96- 9.75	GRANITE PORPHYRY Predominantly fresh granite as 2.7 - 22.6 ft.							
32.0- 32.3	9.75- 9.85	MAFIC DYKE at 60° to core. Moderate chlorite.							
32.3- 36.0	9.85- 10.97	GRANITE PORPHYRY Predominantly fresh granite as 2.7 - 22.6 ft. Broken calcite stringer at 33.7 ft.							
		36.0 ft/10.97 m. EOH							

SVEINSON WAY MINERAL SERVICES LTD. DIAMOND DRILL LOG 53827 - 53833 PAGE 1

PROPERTY Arlington
LOGGED BY ~~R.T. Hennebery~~
DATE LOGGED ~~July 30, 1981~~
DATE COLLARED July29/81
DATE COMPLETED July29/81

HOLE NO. R-118
LOCATION 17+30n
AZIMUTH 305.27°
DIP AT COLLAR -20.9°
DEPTH 39 ft/11.89 m stope

DIP TESTS
____ ° AT ____ '
____ ° AT ____ '
____ ° AT ____ '

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals in feet)	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS
0.0-	0.0-	GRANITE PORPHYRY							
1.7	0.52	Predominantly fresh granite. 20-30 K-feldspar (predominantly as phenocrysts; less than 4 cm); 40-50% plagioclase; 10-15% mafics(chloritized); 15-20% quartz. Fractures clean to weak clays.							
1.7-	0.52-	MAFIC DYKE							
2.1	0.64	at 80° to core, weak chlorite.							
2.1-	0.64-	GRANITE PORPHYRY							
13.5	4.11	Predominantly fresh granite as 0-1.7 ft.							
13.5-	4.11-	ALTERED GRANITE							
14.7	4.48	Zone of moderate argillic alteration. Kaolinized plagioclase, K-feldspar, weak clays. Fractures chlorite ± clays ± hematite.							
14.7-	4.48-	ALTERED GRANITE							
19.0	5.79	Zone of intense feldspathization. unit is 95% K-feldspar, showing weak clays. Plagioclase 1% argillized. Fractures chlorite± clays ± hematite ± epidote Traces gl	53827	14.7	19.0	4.48	5.79	4.3	1.31
19.0-	5.79-	ALTERED GRANITE							
24.5	7.47	Zone of pervasive chloritic/epidotic alteration. Original textures only partially preserved. Ubiquitous quartz. Traces gl, sp	53828	19.0	24.5	5.79	7.47	5.5	1.68
24.5-	7.47-	ALTERED GRANITE							
25.7	7.83	Similar to 19.0-24.5 except that epidote is the dominant alteration mineral. Also stronger clays.	53829	24.5	25.7	7.47	7.83	1.2	0.37

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS
25.7-26.7	7.83-8.14	QUARTZ, GOUGE ZONE Zone of quartz and gouge. The first 0.3 ft are quartz at 80 to core. Traces gl. The remainder is heavily argillized gouge.	53830	25.7	26.7	7.83	8.14	1.0	0.3
26.7-28.8	8.14-8.78	ALTERED GRANITE Zone of pervasive chloritic/epidotic alteration Original textures only partially preserved. Traces gl. and sp.	53831	26.7	28.8	8.14	8.78	2.1	0.64
28.8-39.0	8.78-11.89	ALTERED GRANITE Zone of moderate chloritic/argillic alteration. Plagioclase kaolinite/chlorite. K-feldspar moderate clays. Fractures chlorite ± clays ± calcite ± hematite	53832	28.8	33.9	8.78	10.33	5.1	1.55
			53833	33.9	39.0	10.33	11.89	5.1	1.55
		39.0 ft STOPE 11.89 m EOH							

SVEINSON WAY MINERAL SERVICES LTD.

DIAMOND DRILL LOG

53837-53847

PROPERTY: Arlington
LOGGED BY: T. Henneberry
DATE LOGGED: August 3, 1981
DATE COLLARED: July 30/81
DATE COMPLETED: July 31/81

HOLE NO.: B-120
LOCATION: 17+30n
AZIMUTH: 304.8°
DIP AT COLLAR: -41.6°
DEPTH: 83.0 ft/25.30m

DIP TESTS
___° AT ___'
___° AT ___'
___° AT ___'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals in feet)	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS
0- 11.6	0- 3.54	GRANITE PORPHYRY Predominantly fresh granite composed of 20-30% K-feldspar (predominantly as phenocyrsts; less than 4 cm); 40-50% plagioclase: 10-15% mafics (chloritized); and 15-20% quartz. Fractures ± chlorite ± clays ± hematite.							
11.6- 14.3	3.54- 4.36	ALTERED GRANITE Zone of weak argillic/chloritic/epidotic alterations Epidote as fracture fillings. Plagioclase Kaolin/chlorite. K-feldspar weak clays. Fractures epidote± chlorite ± clays ± hematite.							
14.3- 16.9	4.36- 5.15	ALTERED GRANITE Zone of moderate argillic/weak chloritic alteration. Plagioclase argillized. K-feldspar weak clays. Weak interstitial chlorite. Fractures ± chlorite ± clays ± hematite.	53837	14.3	16.9	4.36	5.15	2.6	0.79
16.9- 17.7	5.15- 5.39	ALTERED GRANITE Zone of moderate epidotic/argillic/chloritic alteration. Plagioclase kaolinite/chlorite. K-feldspar clays/epidote. Interstitial epidote. Fractures chlorite ± clays ± epidote.	53838	16.9	17.7	5.15	5.39	0.8	0.24
17.7- 19.8	5.39- 6.04	ALTERATION/SULFIDE ZONE Zone of strong to pervasive chloritic/epidotic argillic alterations. Main sulfide zones are: 17.7-17.9 -- 30% gl in vein 17.9-18.8 -- 1% gl disseminated 18.8-19.2 -- 40 % gl in vein, disseminated 19.2-19.8 -- 2% gl disseminated	53839	17.7	19.8	5.39	6.04	2.1	0.64
19.8- 21.6	6.04- 6.58	ALTERED GRANITE Zone of pervasive epidotic/chloritic alteration	53840	19.8	21.6	6.04	6.58	1.8	0.55

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS
		original textures partially preserved. Trace gl.							
21.6-24.0	6.58-7.32	ALTERED GRANITE Zone is similar to 19.8-21.6 except that chlorite is dominant over epidote as alteration. Traces gl.	53841	21.6	24.0	6.58	7.32	2.4	0.73
24.0-24.8	7.32-7.56	ALTERED GRANITE Zone of pervasive chloritic alteration Original textures partially preserved. Traces gl	53842	24.0	24.8	7.32	7.56	0.8	0.24
24.8-26.0	7.56-7.92	ALTERED GRANITE Zone of moderate chloritic argillic alteration. Plagioclase to Kaolinite/chlorite. K-feldspar shows weak clays. Fracutres chlorite ± clays.							
26.0-27.5	7.92-8.38	ALTERED GRANITE Zone of moderate argillic/weak chloritic alteration. Plagioclase to kaolinite ± chlorite. K-feldspar weak clays. Interstitial weak chlorite. Fracture chlorite ± clays.							
27.5-30.5	8.38-9.30	ALTERED GRANITE Zone of strong chloritic alteration/moderate silicification. Plagioclase to chlorite K-feldspar weak chlorite/clays/ Fractures chlorite ± clays.	53843	27.5	30.5	8.38	9.30	3.0	0.91
30.5-40.6	9.30 12.37	ALTERED GRANITE Zone of moderate chloritic/argillic alteration. Plagioclase kaolinite ± chlorite. K-feldspar weak clays. Interstitial chlorite. Fractures chlorite ± clays.							
40.6-43.6	12.37-13.29	ALTERED GRANITE Zone of moderate to strong chloritic alteration only K-feldspar remains partially pink. Fractures chlorite/clays.	53844	40.6	43.6	12.37	13.29	3.0	0.91
43.6-46.1	13.29-14.05	ALTERATION/GOUGE ZONE Zone of strong argillic/chloritic alteration/							

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET From	FEET To	METERS From	METERS To	WIDTH FEET	WIDTH METERS
		feldspathization. Non-gouged zone is 80% K-feldspar, showing weak clays. Remainder shows intense clays/chlorite in gouges. Zones are45.8-45.9, 46.5-46.6, 46.8-47.0, 47.4-47.6.	53845	43.6	46.1	13.29	14.05	2.5	0.76
46.1-56.9	14.05-17.34	ALTERED GRANITE Zone of moderate chloritic/argillic alteration as 30.5-40.6 ft.							
56.9-57.6	17.34-17.56	ALTERED GRANITE Zone of moderate chloritic alteration/feldspathization. 80% K-feldspar showing weak chlorite ± clays. Fractures chlorite ± clays	53846	56.9	57.6	17.34	17.56	0.7	0.21
57.6-59.9	17.56-18.26	ALTERED GRANITE Zone of moderate chloritic/argillic alteration 30.5 - 40.6 ft.							
59.9-64.5	18.26-19.66	GRANITE PORPHYRY Fresh granite							
64.5-75.5	19.66-23.01	ALTERED GRANITE Zone of moderate chloritic/argillic alteration similar to 30.5 to 40.6 except that the K-feldspar content is about 60%.							
75.5-76.4	23.01-23.29	ALTERED GRANITE Zone of strong chloritic alteration in finer grained granite. Chlorite is mainly interstitial. Plagioclase shows kaolinite. Fractures chlorite ± clays.	53847	75.5	76.4	23.01	23.29	0.9	0.27
76.4-83.0	23.29-25.30	GRANITE PORPHYRY Fresh granite. Fractures chlorite ± hematite ± clays Traces py 83.0 ft or 25.30 m. EOH							

PROPERTY: Arlington
LOGGED BY: T. Henneberry
DATE LOGGED: July 28/81
DATE COLLARED: July 22/81
DATE COMPLETED: July 24/81

HOLE NO.: B-124
LOCATION: 17+10N
AZIMUTH: 304.28°
DIP AT COLLAR: -22.7°
DEPTH: 78'/23.77m

DIP TESTS
___° AT ___'
___° AT ___'
___° AT ___'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
0-	0-	GRANITE PPY												
0.8	0.24	Fresh granite composed of 20% k-spar (predominantly) as phenocrysts; less than 4cm); 40 - 50% plag., 10 - 15% mafics (chloritized) and 15-20% quartz. Fractures are clean												
0.8-	0.24-	ALTERED GRANITE												
1.1	0.34	Zone of kaolinite alt. associated with an increase to 80% of k-spar. Plag. is kaolinized, k-spar weak clays. Fractures clays/chlorite.												
1.1-	0.34-	GRANITE PPY												
5.5	1.68	Fresh granite as 0 - 0.8. Fractures may also show weak clays.												
5.5-	1.68-	PEGMATITE DYKE												
5.7	1.74	at 50° to core. Fairly fine grained fo pegmaite. Weak clays.												
5.7-	1.74-	GRANITE PPY												
6.0	1.83	Fresh granite												
6.0-	1.83-	PEGMATITE DYKE												
6.4	1.95	at 70° to core. As 5.5 - 5.7												
6.4-	1.95-	GRANITE PPY												
15.0	4.57	Fresh granite. Fractures chlotte ± clys.												
15.0-	4.57-	ALTERED GRANITE												
18.0	5.49	Zone of weak argillic/chl'c alt. Plag. shows kaolinite & weak chl. K-spar weak clays along crystal margins and fractures. Fractures chlorite clays ± limonite ± calcite.												
18.0-	5.49-	ALTERATION/SULFIDE ZONE												
24.4	7.44	Zone of pervasive chl'c alt. Original textures only partially preserved. Zone carries 3% gl.	53891	18.0	24.4	5.49	7.44	6.4	1.95	11.8	103	.38		

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
		(4-5mm blebs) minor carbonate. Traces Py, Sp (1 footwash accounted for)										
24.4-27.0	7.44-8.23	ALTERED ZONE Zone moderate argillic/weak chloritic alt. Plag. kaolinote/weak chl'c overprint. K-spar moderate clays along crystal rims and fractures. Fractures chlorite ± clays. (1 footwash)	53892	24.4	27.0	7.44	8.23	2.6	0.79	.06	.01	.00
27.0-27.6	8.23-8.41	APLITE DYKE at 85° to core. Weak argillic.										
27.6-31.3	8.41-9.54	ALTERED GRANITE ZØ/Ø Zone of strong to pervasive chl'c/mod. ep'c alt. K-spar becomes partially pink through most of the unite.	53893	27.6	31.3	8.41	9.54	3.7	1.13	.06	.02	.02
31.3-32.7	9.54-9.97	ALTERED GRANITE Zone of chl'c/ mod. argillic alt. K-spar weak clays/mod. chl., plag. mod. clays/ strong chl. Fractures chlorite ± clays.	53894	31.3	32.7	9.54	9.97	1.4	0.43	.35	.03	.00
32.7-40.0	9.97-12.19	ALTERATION, SULFIDE ZONE Zone of strong to pervasive chl'c alt. Original textures partially preserved. K-spars show sporadic pinkness(only 90% alt) 0.2' gouge at 37.3' 1% gl, traces Vis ag.	53895	32.7	40.0	9.97	12.19	7.3	2.23	.87	.06	.06
40.0-43.2	12.19-13.17	ALTERED GRANITE Zone of strong arglic/mod. chl'c alt. Plag. completely arg'd, k-spar weak arg'n. Interstitial clays. Fractures clays ± chlorite. Increase of k-feldspar to 40%	53896	40.0	43.2	12.19	13.17	3.2	0.98	.06	.01	.00
43.2-43.5	13.17-13.26	GOUGE ZONE Zone of plastic and clay gouge 43.5 - 45.0 - WASH	53897	43.2	43.5	13.17	13.26	0.3	0.09	.17	.05	.00
45.0-48.2	13.26-14.69	ALTERED GRANITE Zone of mod. chl'c/ argillic alt. Increase (50%) of feldspar. K-spar shows mod. calys. Plag. kaolinite/ chlorite. Fractures chl/clays ± calcite	53898	45.0	48.2	13.26	14.69	3.2	0.98	.00	.01	.00

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
48.2- 54.7	14.69- 16.67	MAFIC DYKE at 30° to core. Strong chl'c alt. Fractures chlorite ± clays.										
54.7- 56.7	16.67- 17.28	ALTERED GRANITE Zone of mod. chl'c alt./silicification. Plag. shows mod. chlorite. Interstitial chlorite. Fractures chlorite ± clays.	53899	54.7	56.7	16.67	17.28	2.0	0.61	.06	.01	.00
56.7- 58.2	17.28- 17.74	PEGMATITE DYKE at 60° to core. Dyke shows weak clays + hematite in fractures.										
58.2- 78.0	17.74- 23.77	GRANITE PPY Predominantly fresh granite. Showing 1-2% matrix k-feldspar. Fractures are clean or show weak clays. chlorite.										
		78.0'/ 23.77m E.O.H.										

Sveinson Way Mineral Services Ltd. — Diamond Drill Log — Page 1

PROPERTY	Arlington	HOLE No.	B-126
LOGGED BY	T. Henneberry	LOCATION	17+10n
DATE LOGGED	July 28, 1981	AZIMUTH	305.81°
DATE COLLARED	July 24/81	DIP AT COLLAR	-48.6°
DATE COMPLETED	July 27/81	DEPTH	83'/25.30m

DIP TESTS
° AT
° AT
° AT

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
0- 8.4	0- 2.56	GRANITE PPY Predominantly fresh granite comprized of25% k-spar (predominantly as phenocrysts; less than 4cm) 40-45% plag., 10-15% mafic (chloritized); 15-20% quartz. Fractures weak chlorite → clays ± hematite.												
8.4- 9.4	2.56- 2.87	PEGMATITE DYKE at 70° to core. Fine grained pegmatite, weak clays												
9.4- 15.6	2.87- 4.75	GRANITE PPY Fresh granite.												
15.6- 16.1	4.75- 4.91	PEGMATITE DYKE at 70° to core.Fine grained, weak clays.												
16.1- 16.5	4.91- 5.03	GRANITE PPY Fresh granite												
16.5 16.7	-5.03- 5.09	PEGMATITE DYKE at 80° to core. As 15.6 - 16.1												
16.7- 20.2	5.09- 6.16	GRANITE PPY Fresh to weakly propylitic alt. Fractues chlorite /clays.												
20.2- 23.7	6.16- 7.22	ALTERED GRANITE Zone of pervasive chl'c alt. Original textures partially destroyed. Moderate epidote. 1% Gl (sporadic 5mm blebs)	53882	20.2	23.7	6.16	7.22	3.5	1.07	2.51	.52	.63		
23.7- 24.2	7.22- 7.38	SULFIDE ZONE Zone of pervasive chl'c alt. 40% gl, 1% sp	53883	23,7	24.2	7.22	7.38	0.5	0.15	21.7	16.6	15.2		
24.2- 27.2	7.38- 8.29	ALTERED GRANITE Zone of pervasive chl. Original textues partially preserved. Subrounded qtz. Frac. chl ± clays. Traces Gl	53884	24.2	27.2	7.38	8.29	3.0	0.91	6.65	.50	.30	5.63, .64, 1.52 / [illegible].12m	

HOLE No. B-126 PAGE ____

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET From	FEET To	METERS From	METERS To	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
27.2- 28.0	8.29- 8.53	ALTERED GRANITE Zone of strong chl'c ep'c alt., strong silicification. K-spar shows partial epidotization. Fractures chlorite ± clays.	53885	27.2	28.0	8.29	8.53	0.8	0.24	.12	.03	.05
28.0- 33.7	8.53- 10.27	ALTERED GRANITE Zone of pervasive chl'c alt., moderate brecciation Weak epidote/clays. Subrounded qtz. Traces calcite Traces Gl.	53886	28.0	33.7	8.53	10.27	5.7	1.74	.73	1.03	.43
33.7- 44.2	10.27- 13.47	ALTERED GRANITE Zone of weak to mod. chl'c/ arg'c alt. Plagioclase kaolinite, weak chlorite. K-spar weak clys on crystal rims and fractures. The first 2.0' of this core has 60% k-spar Fractures chlorite ± clays ± hematite.										
44.2- 47.5	13.47- 14.48	ALTERED GRANITE Zone of strong chl'c moderate ep'c. alt. Plag. chloritized, k-spar epidote/chlorite. Fractures chlorite ± clays ± epidote. Traces Gl, Py	53887	44.2	47.5	13.47	14.48	3.3	1.01	.06	02	.02
47.5- 49.3	14.48- 15.03	ALTERED GRANITE Zone of strong chl'c alt. K-spar only partially pink. Plag. chl'd. Fractures strng chlorite + weak clays.	53888	47.5	49.3	14.48	15.03	1.8	0.55	.03	.01	.01
49.3 65.4	15.03- 19.93	ALTERED GRANITE Zone of weak arg'c/chl'c alt. Plag. shows kaolinite very weak chlorite, k-spar weak clays on rims & fractures. Sporadic weak silicification. Fractures chlorite ± clays ± hematite.										
65.4- 65.6	19.93- 19.99	PEGMATITE DYKE at 40° to core. Weak clays.										
65.6- 68.0	19.99- 20.73	ALTERED GRANITE Zone of weak argillic/chloritic alt. as 49.3-65.4										
68.0- 69.2	20.73- 21.09	ALTERED GRANITE, APLITE DYKE Zone of 80% k-spar, weak clays. Last 0.3' is anaplite dyke at 70° to core.										

HOLE No. B-126 PAGE ____

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn		
69.2- 72.5	21.09- 22.10	ALTERED GRANITE Zone of weak argillic/chloritic alt. as 49.3-65.4												
72.5- 76.5	22.10- 23.32	ALTERED GRANITE Zone of weak argillic/ chloritic alt. Similar to 49.3-65.4 but has an increase to 80% of k-spar.	53889	72.5	76.5	22.10	23.32	4.0	1.22	.00	01	.00		
76.5- 77.2	23.32- 23.53	MAFIC/PEGMATITE DYKE at 80° to core. Mafic component 60% mafic, 40% plag. Mafics chloritized. Last 0.3' pgmatite. Weak clays												
77.2- 77.8	23.53- 23.71	ALTERED GRANITE Zone of moderate chl'c alt. in a zone of 30% mafics (chloritized) Plag shows weak kaolinite/ chlorite. Fractures chlorite ± hematite.												
77.8- 80.8	23.71- 24.63	GRANITE PPY Predominantly fresh granite. Very weak kaolinite. Fractures hematite.												
80.8- 83.0	24.63- 25.30	ALTERED GRANITE Zone of weak argillic/chloritic alt. as 49.3 - 65.4. Fractures show hematite.	53890	80.8	83.0	24.63	25.30	2.2	0.67	.00	.01	.00		
		83.0'/ 25.30m E.O.H.												

PROPERTY: Arlington
LOGGED BY: T. Henneberry
DATE LOGGED: July 30, Aug. 3/81
DATE COLLARED: July 28/81
DATE COMPLETED: July 31/81

HOLE NO.: B-127
LOCATION: 17+00N
AZIMUTH: 304.73°
DIP AT COLLAR: +27.0°
DEPTH: 103¢/31.39m

DIP TESTS
____° AT ____'
____° AT ____'
____° AT ____'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS
0- 2.2	0- 0.67	GRANITE PPY Predominantly fresh granite (although weakly silicified) Granite is composed of 20 - 30% k-spar (predominantly as phenocrysts; less than 4cm); 40 - 50% plagioclase; 10 - 15% mafics (chloritized); and 15 - 20% quartz. Fractures chlorite ± clays ± hematite.							
2.2- 2.6	0.67- 0.79	PEGMATITE DYKE at 80 degrees to core. Fine grained, weak clays.							
2.6- 13.1	0.79- 3.99	GRANITE PPY Fresh granite, similar to 0 - 2.2' but with sporadic mafic blebs within unit. Fractures chlorite ± clays ± hematite ± calcite (1 foot wash at 11.8 - 12.0 feet)							
13.9- 13.7	3.99- 4.18	ALTERED GRANITE Zone of mod chloritic argillic alt. Plag. kaolinized/ chlorite, mafics, chlorite also interstitial chlorite. Weak epidote. Fractures chlorite ± clays. Traces Py.	53900	13.1	13.7	3.99	4.18	0.6	0.18
13.7- 17.1	4.18- 5.21	GRANITE PPY Predominantly fresh granite, with 20% of plag. showing weak kaolinite. Fractures chlorite ± clays.							
17.1- 17.9	5.21- 5.46	ALTERED GRANITE Zone of intense chlorite. Texture are still preserved Fractures chlorite ± clays	53851	17.1	17.9	5.39	5.46	0.8	0.24
17.9- 18.7	5.46- 5.70	GRANITE PPY Fresh granite. Fractures chlorite ± clays ± hematite.							
18.7- 19.2	5.70- 5.85	PEGMATITE DYKE at 90 degrees to core. Weak clays/ epidote.							
19.2- 24.0	5.85- 7.32	GRANITE PPY Predominantly fresh granite, showing weak silicification. Fractures chlorite ± clays ± calcite ± hematite.							

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET From	FEET To	METERS From	METERS To	WIDTH FEET	WIDTH METERS
24.0-25.7	7.32-7.83	ALTERED GRANITE Zone of strong chlorite alteration, k-spar only slightly pink. Plagioclase chlorite, clays. Original textures preserved. Fractures chlorite ± clays ± hematite.	53852	24.0	25.7	7.32	7.83	1.7	0.52
25.7-34.8	7.83-10.61	ALTERED GRANITE Fresh to weakly chl'c argillic alt. in granite ppy. Plag fresh to moderate kaolinization/ weak chl'n. K-spar weak clays along crystal rims and fractures. Fractured moderate to intense chlorite. Weak epidote towards bottom of unit.							
34.8-35.2	10.61-10.73	APLITE DYKE at 30 degrees to core. Dyke is completely chl'd/ep'd.	53853	54.8	35.2	10.61	10.73	0.4	0.12
35.2-35.8	10.73-10.91	SULFIDE ZONE Zone of 70% fine grained gl'. Clays gouge also within unit	53854	35.2	35.8	10.73	10.91	0.6	0.18
35.8-36.3	10.91-11.06	ALTERATION GOUGE ZONE Zone of pervasive chlorite. Original textures only partially preserved. Gouge at 36.1 feet.	53855	35.8	36.3	10.91	11.06	0.5	0.15
36.3-37.6	11.06-11.46	ALTERED GRANITE Zone of moderate chl'c, arg'c alt. Plag. kaolinite/ chlorite. K-spar weak clays. Interstitial chlorite. Fractures chl ± clays ± limonite.							
37.6-45.0	11.46-13.72	ALTERED GRANITE Zone of strong chl'c alt.,/strong silicification. Original textures preserved. Plag. complete chl'n, k-spar only partially preserved. Fractures chl ± clays ± hematite	53856 53857	37.6 41.3	41.3 45.0	11.46 12.59	12.59 13.72	3.7 3.7	1.13 1.13
45.0 - 50.2	13.72-15.30	ALTERED GRANITE Zone of moderate chl'c/ arg'c alt. as 36.3- 37.6'.							
50.2-55.2	15.30-16.82	ALTERED GRANITE Zone of pervasive chl'c alt. Original textures only partially preserved. Traces Gl and Sp.	53848	50.2	55.2	15.30	16.82	5.0	1.52

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS
55.2-	16.82-	ALTERED GRANITE							
59.4	18.11	Zone of mod. chl'c, arg'c alt. as 36.3 - 37.6							
59.4-	18.11-	APLITE DYKE							
59.8	18.23	at 80 degrees to core. Moderate clays.							
59.8-	18.23-	ALTERED GRANITE							
60.6	18.47	Zone of strong chl'c ep'c alt. Original textures preserved K-spar only partially pink. 0.1 ft. vein at 60.1 - 60.2' carrying 1% gl along margins.	53849	59.8	60.6	18.23	18.47	0.8	0.24
60,6-	18.47-	ALTERED GRANITE							
63.3	19.29	Zone of moderate chl'c arg'c alt. as 36.3 - 37.6							
63.3-	19.29-	ALTERED GRANITE							
66.6	20.30	Zone of strong chl'c, arg'c alt. Original textures destroyed K-spar well fractured and alt. (only pale pink) Gouge at 63.3 - 63.6 and 66.2 - 66.5	53850	63.3	66.6	19.29	20.30	3.3	1.01
66.5-	20.30-	ALTERED GRANITE							
68.3	20.82	Zone of pervasive chl'c alt./ silicification. Original textures destroyed. Traces gl. Gouge at 68.1	53801	66.6	68.3	20.30	20.82	1.7	0.52
68.3-	20.82-	ALTERED GRANITE							
71.6	21.82	Zone of strong chl'c mod. arg'c alt. K-spar weak clays along rims. Plag. kaolinite/ chl. strong interstitial chl. Weak to mod. silicification. Fractures chl ± clays.	53802	68.3	71.6	20.82	21.82	3.3	1.01
71.6-	21.28-	ALTERED GRANITE							
74.6	22.74	Zone of pervasive chl. Original textures only partially preserved. Gouge at 73.4 - 73.5.	53803	71.6	74.6	21.28	22.74	3.0	0.91
74.6-	22.74-	ALTERED GRANITE							
76.1	23.20	Zone of strong chl'c/ arg'c alt. Plag. kaolin/chl. K-spar weak to mod. clays. Fractures chl ± clays.	53804	74.6	76.1	22.74	23.20	1.5	0.46
76.1-	23.20-	ALTERED GRANITE							
78.4	23.90	Zone of weak chl'c/ arg'c alt. Plag. weak kaolinite. K-spar weak clays along rims. Interstitial chl. Weak silicification Fractures chl± clays ± hematite.							
78.4-	23.90	GRANITE PPY							
103.0	31.39	Fresh granite. Fractures clays +_ chl ± hematite ± calcite 103.0 ' or 31.39m E.O.H.							

PROPERTY: Arlington
LOGGED BY: H. keyser
DATE LOGGED: Aug. 2/1981
DATE COLLARED: July 29, 1981
DATE COMPLETED:

HOLE NO.: 81-1
LOCATION:
AZIMUTH:
DIP AT COLLAR: -45°
DEPTH: 34.3'/104.55m

DIP TESTS
___° AT ___'
___° AT ___'
___° AT ___'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS
0- 53.0	0- 16.15	OVERBURDEN							
53.0- 56.8	16.15- 17.31	ALTERED A PLITE Weakly alt, fine grained, k-spar rich granitic material							
56.8- 65.5	17.31- 19.96	GRANITE PPY Weak chl'c alt. of mafics, plag locally shows argillic alt. Euhedral, fresh k-spars. Hematite filled fractures. Original textures preserved.							
65.5- 66.9	19.96- 20.39	ALTERED GRANITE Moderate chl'c and ep'c alterations, k-spars retains original color, but plag. is chl'd and ep'd, Chl and ep. filled fractures as well. Most original textures preserved.							
66.9- 70.8	20.39- 21.58	ALTERED GRANITE Weakly alt. granite ppy. Chl'd mafics, ep'd and locally arg'd. plag. K-spar show some shearing, but retain original color. Epidote & hematite filled fractures. Original textures preserved.							
70.8- 99.8	21.58- 30.42	ALTERED GRANITE Weakly alt. granite ppy. Essentially similar to 66.9 - 70.8 but k-spars remain original, and no filled fractures. Original textures preserved.							
99.8- 100.6	30.42- 30.66	DIORITE no K-spar, chl'd mafics. CI = 30.							
100.6- 113.2	30.66- 34.50	GRANITE PPY Fresh granite with recognizable biotites. Fresh plag, K-spar, & quartz. Euhedral k-spar crystals(30%) up to 4cm CI = 10.							
113.2- 116.6	34.50- 35.54	ALTERED GRANITE Weakly alt. granite ppy. Chl'd mafics, arg'd plag. K-spar fresh and euhedral. Original textures preserved.							

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS
116.6- 118.9	35.54- 36.24	ALTERED GRANITE Granite ppy showing weak alt'n; chl'n of mafics, ep'n of plag. Possible secondary enrichment of k-spars. Original textures preserved.							
118.9- 131.7	W	ALTERED GRANITE Weakly alt. granite ppy, where alt'n of plag. shows rhythmic variations from argillic to ep'c. Reasonably fresh and euhedral k-spars. Original textures preserved. Silicified.							
131.7- 133.5	36.24- 40.69	ALTERED GRANITE Intense argillic alt'ns of granite ppy. All minerals but qtz. and some k-spar alt'd. Possible secondary enrichment of k-spars. Qtz, hematite, and calcite filled fractures Most original textures destroyed.	53824	131.7	133.5	36.24	40.69	1.8	0.55
133.5- 134.1	40.69 40.87	ALTERED GRANITE Weak argillic alt, as at 118.9 - 131.7							
134.1- 136.9	40.87- 41.73	ALTERED GRANITE Moderate arg'c and ep'c alt'n. Ep filled fractures. Possible secondary enrichment of k-spars.							
136.9- 141.5	41.73- 43.13	ALTERED GRANITE Weakly alt'd granite ppy. Chl'd mafics, ep'd and arg'd plag. K-spars fresh and euhedral. Clay-filled minor fracturing 140.9 - 141.5 shows strong limonite staining. Original textures preserved.	53825	136.9	141.5	41.73	43.13	4.6	1.40
141.5 141.9	43.13- 43.25	ALTERED GRANITE Zone of pervasive ep'c alt. K-spar somewhat alt. and rounded. Minor chlorite and clays. Some original textures destroyed.	50351	141.5	141.9	43.13	43.25	0.4	0.12
141.9- 143.7	43.25- 43.80	ALTERED GRANITE Weakly alt. gr. ppy. Chl'd mafics, ep'd and arg'd plag. k-spar fresh and euhedral. Original textures preserved.							
143.7- 145.6	43.80 - 44.38	ALTERED GRANITE Strong chl'c and ep'c alt. of granite ppy. Remnant k-spar have lost most color and show evidence of shearing. Chlorite, epidote, and hematite filled fractures.	50352	143.7	145.6	43.8 0	44.38	1.9	0.58

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS
145.6-178.5	44.38-54.41	ALTERED GRANITE Weak alt. of granite ppy. Chl'd mafics, arg'd and ep'd plag. Fresh euhedral k-spars. Epidote, calcite, and hematite filled fractures. Original textures preserved.							
178.5-182.9	54.41-55.75	ALTERED GRANITE Similar to 145.6 - 178.5, but much more extensive fracturing. Filled with chlorite, epidote, hematite, calcite. Most original textures preserved.	50353	178.5	182.9	54.41	55.75	4.4	1.34
182.9-204.1	55.75-62.21	ALTERED GRANITE Weak alt, as at 145.6 - 178.5							
204.1-207.4	62.21-63.22	ALTERED GRANITE Moderate to strong alt. of granite ppy. Zones of pervasive chl'c alt and secondary enrichment of k-spars. Epidote, calcite and clays filled fractures. Some limonite staining Most original textures preserved.	50354	204.1	207.4	62.21	63.22	3.3	1.01
207.4-209.3	63.22-63.79	ALTERED GRANITE Granite ppy showing weak alt. Chl'c mafics, ep'd plag. Hematite filled fractures. Original textures preserved.							
209.3-212.9	63.79-64.89	ALTERED GRANITE Moderately alt. Thoroughly ep'd plag. & chl'd mafics. Local arg'c alt. of plag & k-spar. Some original textures preserved. Calcite and hematite filled fractures.	50355	209.3	212.9	63.79	64.89	3.6	1.10
212.9-215.0	64.89-65.84	ALTERATION, SHEAR, GOUGE ZONE Intensely alt. and sheared granitic material. Groundmass completely alt to light green clays, with only qtz "eyes" remzining. A little ep. present as fracture fillings. Gouge present at 214.1 - 214.3 Original textures destroyed.	50356	212.9	215.0	64.89	65.84	3.1	0.94
216.0-219.8	65.84-67.00	ALTERED GRANITE Intense arg'c alt. Remnant k-spars are brecciated but retain most color. Qtz grains remain as "eyes" Minor hematite staining. Original textures destroyed.	50357	216.0	219.8	65.84	67.00	3.8	1.16
219.8-223.0	67.00-67.97	ALTERED GRANITE Intense alt. of gr. ppy. Bulk of groundmass is alt. to clays. Similar to 212.9 - 216.0, but some arg'c alt. present and no gouging. Most original textures destroyed.	50358	219.8	223.0	67.00	67.97	3.2	0.98

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS
223.0- 227.8	67.970 69.43	ALTERED GRANITE Strong alt. of granite ppy. Groun dmass alt to pink and light green clays. Most original tex. destroyed. Plastic fault gouge at 227.6 - 227.8.	50359	223.0	227.8	67.97	69.43	4.8	1.46
227.8- 229.9	69.43- 70.07	PEGMATITIC GRANITE 40% qtz, 60% pink but anhedral k-spar. Traces Py	50360	227.8	229.9	69.43	70.07	2.1	0.64
229.9- 236.9	70.07- 72.21	ALTERED GRANITE Strongly alt, as at 223.0 - 227.8	50361	229.9	236.9	70.07	72.21	7.0	2.13
236.9- 240.0	72.21- 73.15	ALTERED GRANITE Strong alt. of granite ppy. Groundmass completely alt. to light green clays. Fine grained section from 239.1 - 240.2 possibly remnant aplite.	50362	236.9	240.0	72.21	73.15	3.1	0.94
240.0- 242.4	73.15- 73.82	ALTERED GRANITE Strongly alt. granite ppy, as at 236.9-240.0, but with epidote filled fractures.	50363	240.0	242.4	73.15	73.82	2.4	0.73
242.4- 250.9	73.82- 76.47	ALTERED GRANITE Strong kaolinitic alt, essentially similar to 236.9 - 240.0 Groundmass is alt. to light green clays, qtz "eyes" remain Original textures destroyed.	50364 50365	242.4 246.7	246.7 250.9	73.82 75.19	75.19 76.47	4.3 4.2	1.31 1.28
250.9- 251.9	76.47- 76.78	ALTERATION, SHEAR, GOUGE ZONE Intensely alt. granitic material, showing shearing and gouging. Origin al textures destroyed.	50366	250.9	251.9	76.46	76.78	1.0	0.30
251.9- 252.7	76.78 77.02	ALTERATION, SULFIDE ZONE Intensely alt and sheared material, as at 250.9 - 251.9, but with 80% Gl as fracture fillings from 252.3 - 252.6. Sulfides are finely crystallized and in bands 90 degrees to core axis.	50367	251.9	252.7	76.78	77.02	0.8	0.24
252.7- 270.6	77.02- 82.48	ALTERED GRANITE Strong alt. to light green clays minerals. Zone displays conglomeratic textures with clays as matrix and qtz "eyes" as clasts. Original textures destroyed.	50368 50369 50370	252.7 258.7 264.7	258.7 264.7 270.6	77.02 78.85 80.68	78.85 80.68 82.48	6.0 6.0 5.9	1.83 1.83 1.80
270.6- 292.4	82.48- 89.12	ALTERED GRANITE Moderate to strong kaolinitic alt. with chl'c ep'c alt. overprints on clay minerals. K-spars somewhat sheared but remain generally pink. Calcite filled fractures. Fine	50371 50372 50373	270.6 276.0 281.4	276.0 281.4 286.8	82.48 84.12 85.77	84.12 85.77 87.42	5.4 5.4 5.4	1.65 1.65 1.65

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS
		grained segment from 289.3 - 289.8. Plag locally shows original argillic alt. Some original textures preserved.	50374	286.8	292.4	87.42	89.12	5.6	1.71
292.4-294.4	89.12-89.73	PEGMATITIC GRANITE 70% weakly alt. k-spar, 30% rounded qtz. Both margins of this zone show hematite fillings of fractures, cut by minor calcite filled fractures.	50375	292.4	294.4	89.12	89.73	2.0	0.61
294.4-300.6	89.73-91.62	ALTERED GRANITE Moderate kaolinitic alt. as at 270.6-292.4. Local ep'n of plag.	50376	294.4	300.6	89.73	91.62	6.2	1.89
300.6-302.6	91.62-92.23	PEGMATITIC GRANITE 80% slightly alt. k-spar, 20% qtz, Minor calcite filled fractures.	50377	300.6	302.6	91.62	92.23	2.0	0.61
302.6-305.9	92.23-93.24	ALTERED GRANITE Moderate to strong alt. of granite ppy. Main alt. products are clays from kaolinitization, but also local argillic and epidotic alt. K-spars subhedral but generally pink. Hematite & limonite filled fractures. Most original textures preserved.	50378	302.6	305.9	92.23	93.24	3.3	1.01
305.9-311.6	93.24-94.98	ALTERED GRANITE Strong alt. of gr. ppy. Essentially similar to 302.6 - 305.9, but k-spars no longer show pink.	50379	305.9	311.6	93.24	94.98	5.7	1.74
311.6-314.9	94.98-95.98	ALTERED GRANITE Weakly alt. granite ppy. Chl'd mafics, weakly arg'd plag. K-spars are pink and euhedral. Original textures preserved.							
314.9-316.2	95.98-96.38	ALTERED GRANITE Intensely alt. fine grained granite. Groundmass affected by argillic and a little ep'c alt. Most original textures destroyed.	50380	314.9	316.2	95.98	96.38	1.3	0.40
316.2-320.6	96.38-97.92	ALTERED GRANITE Strong kaolinitic alt. of granite ppy, with chl/ep overprints. Only qtz grains remain unaltered. Most original textures destroyed.	50381	316.2	320.6	96.38	97.72	4.4	1.34
320.6-326.6	97.72-99.55	ALTERED GRANITE Weak alt. as at 311.6 - 314.9							

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET From	FEET To	METERS From	METERS To	WIDTH FEET	WIDTH METERS
326.6- 328.7	99.55- 100.19	ALTERED GRANITE Moderate kaolinitic alt. Similar to 316.2 - 320.6 but k-spars remain slightly pink.	50382	326.6	328.7	99.55	100.19	2.1	0.64
328.7- 334.2	100.19- 101.86	ALTERED GRANITE Weakly alt granite ppy. Chl'd mafics, strong arg'c alt. of plag. K-spar and qtz remain original as well as textures.							
334.2- 335.7	101.86- 102.32	ALTERED GRANITE Strong kaolinitic alt. Similar to 316.2 - 320.6, but with local minor gouging and local pervasive chlorite. Most original textures destroyed.	50383	334.2	335.7	101.86	102.32	1.5	0.46
335.7- 343.0	102.32- 104.55	GRANITE PPY Essentially fresh granite. Only alteration is weak chloritization of mafics.							
		E.O.H. at 343' or 104.55m							

PROPERTY: Arlington
LOGGED BY: H. Keyser, T. Henneberry
DATE LOGGED: August 7, 81
DATE COLLARED: August 5, 81
DATE COMPLETED:

HOLE NO.: 81-2
LOCATION:
AZIMUTH:
DIP AT COLLAR: -45°
DEPTH: 288.0 ft/87.78m.

DIP TESTS
° AT
° AT
° AT

INTERVAL (FEET)	INTERVAL (METRES)	DESCRIPTION (Intervals in feet)	SAMPLE NO.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METRES
0.0-43.0	0.0-13.11	OVERBURDEN							
43.0-54.5	13.11-16.61	GRANITE PORPHYRY Weak chloritization of mafics.							
54.5-55.8	16.61-17.01	ALTERED GRANITE Weakly to moderately altered granite porphyry. Alterations of mafics are chloritic and kaolinic; of plagioclase are kaolinic and argillic. K-feldspars have lost a little color but remain euhedreal. Original textures preserved.							
55.8-138.5	17.01-42.21	GRANITE PORPHYRY Generally fresh granite, as at 43.0-54.5 ft. Local epidote and argillic alterations at 56.0-56.5 ft. Some local minor hematite and clacite filled fractures. Minor limonite staining.							
138.5-139.8	42.21-42.61	DIORITE Chloritized mafics in diorite, Slickensided fracture at 139.0, 60 to c. a. CI=40. Original textures preserved Some local K-feldspar phenocrysts.							
139.8-183.7	42.61-55.99	GRANITE PORPHYRY Fresh to locally weakly chloritized/argillized(fracture related) granite porphyry. The porphyry is composed of 25-30% K-feldspar (as phenocrysts;less than 4 cm); 30-35% plagioclase(locally weakly kaolinized); 15-25% mafics (chloritized) and 10-20% quartz. The local alterations are fracture related. Fractures show ± chlorite ± clays ± hematite ± calcite.							
183.7 191.2	55.99-58.28	ALTERED GRANITE Zone of moderate(to locally strong) chloritic,argillic alteration. Plagioclase kaolinite/clays ± chlorite, K-feldspar weak clays along crystal rims and fractures. Mafics are chloritized. Zone shows local moderate	50420	183.7	191.2	55.99	58.28	7.5	2.29

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals in feet)	SAMPLE No.	FEET From	FEET To	METERS From	METERS To	WIDTH FEET	WIDTH METERS
		silicification(associated with stronger chlorite). Fractures ± chlorite ± clays ± hematite.							
191.2-193.6	58.28-59.01	ALTERED GRANITE Zone of pervasive chloritic/argillic/epidotic alteration/ strong silicification. Possible silicified shear. Sub-angular quartz within a completely ground matrix showing chlorite, epidote and clays.	50421	191.2	193.6	58.28	59.01	2.4	0.73
193.6-194.9	59.01-59.41	ALTERED GRANITE Weak to locally moderate chloritic/moderate argillic alteration. Zone shows secondary K-feldspathization (to 50% K-feldspar). K-feldspar fresh to weakly argillically altered. Plagioclase kaolinized/chloritized. Stronger chlorite associated with fractures. Fractures chlorite ± clays ± hematite. Gouge at 194.1 ft.	50422	193.6	194.9	59.01	59.41	1.3	0.40
194.9-197.7	59.41-60.26	ALTERED GRANITE Zo ne of strong to pervasive chloritic/argillic/epidotic alteration. The alterations are similar to 191.2-193.6 except that matrix textures are partially visible.	50423	194.9	197.7	59.41	60.26	2.8	0.85
197.7-202.8	60.26-61.81	ALTERED GRANITE weak to locally moderate chloritic/moderate argillic alteration. Zone shows secondary K-feldspathization(to 80%). As 193.6-194.9.	50424	197.7	202.8	60.26	61,81	5.1	1.55
202.8-209.8	61.81-63.95	ALTERED GRANITE Zone of weak chloritic alteration marked by 30% matrix K-feldspar (60% total). Secondary K-feldspar shows only very weak clays. Plug and mafics show chlorite. Fractures chlorite ± clays.							
209.8-216.3	63.95-65.93	ALTERED GRANITE Zone is similar to above zone except that chlorite is stronger (moderate) and epidote is present. Zone still shows the 30% matrix K-feldspar. Fractures chlorite ± clays ± calcite.	50425	209.8	216.3	63.95	65.93	6.5	1.98
216.3-225.0	65.93-68.58	ALTERED GRANITE Zone of moderate chloritic/argillic alteration marked by 30% matrix K-feldspar (60% total). Alterations are	53601 53602	216.3 221.0	221.0 225.0	65.93 67.36	67.36 68.58	4.7 4.0	1.43 1.22

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals in feet)	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS
		stronger than above and epidote is absent. Fractures chlorite ± clays ± hematite.							
225.0-225.6	68.58-68.76	PEGMATITE DYKE at 30° to core. Dyke shows weak epidote. Traces py							
225.6-230.3	68.76-70.20	ALTERED GRANITE Zone of weak chloritic/argillic alteration/weak silicification. K-feldspar very weak clays, plagioclase kaolinite ± chlorite. Fractures chlorite ± clays. Interstitial chlorite.							
230.3-231.4	70.20-70.53	ALTERED GRANITE Zone of pervasive chlorite/epidote/strong silicification. Heavily hematite stained fractures.							
231.4-232.3	70.53-70.81	ALTERED GRANITE Zone of weak chloritic/argillic alteration/weak silicification as 225.6-230.3.							
232.3-235.4	70.81-71.75	ALTERED GRANITE Zone of strong to pervasive chloritic/argillic alteration. Original textures partially to completely preserved. Core is fairly well broken. Abundant hematite	53603	232.3	235.4	70.81	71.75	3.1	0.94
235.4-240.4	71.75-73.27	ALTERED GRANITE Zone of weak chloritic/argillic alteration/weak silicification similar to 225.6-230.3 except that K-feldspar makes up 50% of this unit							
240.4-243.0	73.27-74.07	PEGMATITE/APLITE DYKE at 70° to core. Dyke shows weak to moderate clays, weak chlorite.							
243.0-246.3	74.07-75.07	ALTERED GRANITE Zone of pervasive chloritic/argillic/epidotic alteration/ strong silicification. Original textures masked. Fractures ± hematite.	53604	243.0	246.3	74.07	75.07	3.3	1.01
246.3-249.0	75.07-75.90	ALTERED GRANITE Zone of moderate chloritic/argillic/epidotic alteration. K-feldspar phenocrysts show moderate clays. Groundmass epidote + chlorite + kaolinite. Fractures chlorite ± clays ± epidote ± hematite.	53605	246.3	249.0	75.07	75.90	2.7	0.82

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals in feet)	SAMPLE No.	FEET From	FEET To	METERS From	METERS To	WIDTH FEET	WIDTH METERS
249.0- 250.8	75.90- 76.44	ALTERED GRANITE Zone of intense feldspathization.(90% of rock). K-feldspar shows weak clays/chlorite.							
250.8- 252.6	76.44- 76.99	ALTERED GRANITE Zone of moderate chloritic/weak argillic alteration. Plagioclase kaolinite/chlorite. K-feldspar weak clays. Interstitial chlorite. weakly silicified. Fractures chlorite ± clays.							
252.6- 259.7	76.99- 79.16	ALTERED GRANITE Zone of weak chloritic/argillic alteration. Plagioclase kaolinite ± chlorite. K-feldspar weak clays. Fractures chlorite ± clays ± hematite.							
259.7- 261.7	79.16- 79.77	ALTERED GRANITE Zone of moderate K-feldspathization/moderate chlorite/ weak clays. Clays in K-feldspar. Plagioclase clays ± chlorite. weak interstitial chlorite. 70% K-feldspar.	53606	259.7	261.7	79.16	79.77	2.0	0.61
261.7- 262.7	79.77 80.07	ALTERED GRANITE Zone of pervasive chloritic/argillic alteration. All textures destroyed.	53608	261.7	262.7	79.77	80.07	1.0	3.0
262.7- 266.0	80.07- 81.08	ALTERED GRANITE Zone of intense chloritic alteration with K-feldspar remaining only partially pink. chlorite is also strongly interstitial. Fractures chlorite ± clays.	53607	262.7	266.0	80.07	81.08	3.3	1.01
266.0- 272.6	81.08- 83.09	ALTERED GRANITE Zone of weak chloritic/argillic alteration as 252.6-259.7.							
272.6- 273.7	83.09- 83.42	ALTERED GRANITE Zone of intense chloritic alteration as 262.7-266.0	53609	272.6	273.7	83.09	83.42	1.1	0.34
273.7- 288.0	83.42- 87.78	GRANITE PORPHYRY Fresh to locally weakly chloritically/argillically altered (fracture-related) granite. This granite has only 10% matrix plagioclase as the remainder 25% is K-feldspar. Fractures chlorite ± clays ± hematite.							
		288.0 ft EOH 87.78 m							

PROPERTY: Arlington
LOGGED BY: T. Henneberry
DATE LOGGED: August 12/81
DATE COLLARED:
DATE COMPLETED:

HOLE NO.: 81-3
LOCATION:
AZIMUTH:
DIP AT COLLAR: -45°
DEPTH: 98 ft./29.87 m

DIP TESTS
° AT
° AT
° AT

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals in feet)	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS
0.0-16.5	0.0-5.03	OVERBURDEN							
16.5-29.1	5.03-8.87	GRANITE PORPHYRY Predominantly fresh granite. 25-30% K-feldspar (predominantly as phenocrysts; less than 4 cm); 40-45% plagioclase; 15-30% mafics (predominantly chloritized); and 10-15% quartz. Mafics are fresh horizons (bio ≥ hornblende). Fractures ± chlorite ± clays ± hematite ± calcite							
29.1-33.4	8.87-10.18	ALTERED GRANITE Zone of weak chloritic/argillic alteration. Plagioclase kaolinite ± chlorite. K-feldspar weak clays along crystal rims and fractures. chlorite and clays are also interstitial.	50406	29.1	33.4	8.87	10.18	4.3	1.31
		30% of units masked by limonite. Fracture chlorite ± clays ± limonite	50407	33.4	37.4	10.18	11.40	4.0	1.22
33.4-40.4	10.18-12.31	GRANITE PORPHYRY Predominantly fresh granite as 16.5-29.1 ft. Fractures chlorite ± clays ± limonite ± hematite. Small zone of moderate chloritic alteration at 37.4-37.9 ft.	50408	37.4	37.9	11.40	11.55	0.5	0.15
40.4-41.5	12.31-12.65	ALTERED GRANITE Zone of moderate chloritic/weak argillic alteration/ moderate silicification. K-feldspar weak clays to moderate chlorite. Plagioclase kaolinite masked by chlorite. Interstitial chlorite. Fractures limonite ± chlorite ± clays	50409	40.4	41.5	12.31	12.65	1.1	0.34
41.5-42.2	12.65-12.86	QUARTZ VEIN at 85 to core Strongly broken and limonite stained quartz vein. Traces of sulfides.	50410	41.5	42.2	12.65	12.86	0.7	0.21

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS
42.2-47.3	12.86-14.42	ALTERED GRANITE Zone of strong chloritic alteration. K-feldspar shows only partial pinkness. Plagioclase chloritized. Original textures preserved, but core is well broken up. Moderate limonite (fractures). Fractures chlorite ± clays ± limonite Moderate silicification.	50411	42.2	47.3	12.86	14.42	5.1	1.55
47.3-48.6	14.42-14.81	ALTERED GRANITE Zone of pervasive chlorite. Original textures only partially preserved. Sporadic gouge zones. Core exterior has a conglomeritic texture.	50412	47.3	48.6	14.42	14.81	1.3	0.40
48.6-50.8	14.81-15.48	ALTERED GRANITE Zone of strong chloritic alteration similar to 42.2-47.3 ft. but without limonite stain.	50413	48.6	50.8	14.81	15.48	2.2	0.67
50.8-61.1	15.48-18.62	ALTERED GRANITE Zone of moderate chloritic/weak argillic alteration. Plagioclase kaolinite masked by chlorite. K-feldspar shows weak clays/chlorite. Core is well broken up in zones. Fractures chlorite ± clays.	50414 50415	50.8 56.0	56.0 61.1	15.48 17.07	17.07 18.62	5.2 5.1	1.58 1.55
61.1-73.0	18.62-22.25	ALTERED GRANITE Zone of weak argillic/chloritic alteration. Plagioclase kaolinite ± chlorite. K-feldspar weak clays along crystal rims and fractures. Fractures chlorite ± clays ± hematite.							
73.0-74.6	22.25-22.74	ALTERED GRANITE Zone of moderate to strong chloritic/weak to moderate argillic alteration. Plagioclase kaolinite masked by chlorite. K-feldspar weak to moderate clays, weak chlorite. Interstitial chlorite. Fractures chlorite ± clays ± hematite.	50416	73.0	74.6	22.25	22.74	1.6	0.49
74.6-75.4	22.74-22.98	ALTERATION/GOUGE ZONE Zone of pervasive chloritic/argillic alteration, with original textures destroyed and only rock flour remaining.	50417	74.6	75.4	22.74	22.98	0.8	0.24
75.4-77.2	22.98-23.53	ALTERED GRANITE Zone of moderate to strong chloritic/weak to moderate argillic alteration as 73.0-74.6 ft.	50418	75.4	77.2	22.98	23.53	1.8	0.55

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET From	FEET To	METERS From	METERS To	WIDTH FEET	WIDTH METERS
77.2- 93.9	23.53- 28.62	GRANITE PORPHYRY Predominantly fresh granite.							
93.9- 96.0	28.62- 29.26	GRANITE PORPHYRY Fresh granite marked by an increase (to 85%) of K-feldspar	50419	93.9	96.0	28.62	29.26	2.1	0.64
96.0- 98.0	29.26- 29.87	GRANITE PORPHYRY Fresh granite.							
		98.0 ft 29.87 m EOH							

PROPERTY Arlington
LOGGED BY T. Henneberry
DATE LOGGED August 12, 1981
DATE COLLARED
DATE COMPLETED

HOLE NO. 81-4
LOCATION
AZIMUTH
DIP AT COLLAR -75°
DEPTH 333.0ft/101.50m.

DIP TESTS
° AT
° AT
° AT

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals infeet)	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS
0.0-16.0	0.0-4.88	OVERBURDEN							
16.0-66.5	4.88-20.27	GRANITE PORPHYRY Predominantly fresh granite composed of 25% K-feldspar (predominantly as phenocrysts; less than 4 cm); 35-45% plagioclase; 15-25% mafics (predominantly chloritized; biotite greater than or equal hornblende); and 15-20% quartz. The first 10 feet of the unit shows effects of weathering. Local horizons of 50% K-feldspar. Fractures ± chlorite ± clays ± hematite ± limonite.							
66.5-71.2	20.27-21.70	GRANITE PORPHYRY Zone of fresh to weakly K-feldspathized granite (K-feldspar 40-50%). The unit has ubiquitous limonite.							
71.2-94.9	21.70-28.93	GRANITE PORPHYRY Predominantly fresh granite as 16.0-66.5.							
94.9-100.2	28.93-30.54	MAFIC DYKE at 15° to core. Dyke shows weak to strong chlorite. Fractures ± limonite ± clays ± chlorite.							
100.2-107.2	30.54-32.67	FINE-GRAINED GRANITIC DYKE at 30° to core. Dyke has pegmatitic puds and shows weak to strong chlorite, with enveloping limonite staining. This staining appears to be a bleaching effect. (Redox solution?)	50384	100.2	107.2	30.54	32.67	7.0	2.13
107.2-108.4	32.67-33.04	GRANITE PORPHYRY Predominantly fresh granite.							
108.4-111.1	33.04-33.86	FINE-GRAINED GRANITIC DYKE at 60° to core. Weak clays, ubiquitous limonite.							
111.1-114.1	33.86-34.78	GRANITE PORPHYRY Predominantly fresh granite. Fracutres ± chlorite ± clays							

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals in Feet)	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS
		± limonite.							
114.1- 114.9	34.78- 35.02	FINE-GRAINED GRANITIC DYKE at 30° to core. Dyke shows very weak clays.							
114.9- 127.5	35.02- 38.85	GRANITE PORPHYRY Predominantly fresh granite. Locally weak kaolinite. Fractures ± chlorite ± clays ± limonite. Sporadic pegmatite stringers.							
127.5- 128.7	38.86- 39.23	ALTERED GRANITE Zone of moderate silicification. No other alterations present.	50385	127.5	128.7	38.86	39.23	1.2	0.37
128.7- 133.0	39.23- 40.54	GRANITE PORPHYRY Predominantly fresh granite. Sporadic pegmatite stringers Fractures ± chlorite ± clays ± limonite.							
133.0- 134.6	40.54- 41.03	ALTERED GRANITE Zone of weak argillic alteration/weak silicification. Plagioclase shows moderate kaolinite. Fractures ± chlorite ± clays ± limonite.	50386	133.0	134.6	40.54	41.03	1.6	0.49
134.6- 157.9	41.03- 48.13	GRANITE PORPHYRY Predominantly fresh granite. Fractures ± chlorite ± clays ± limonite. Sporadic pegmatite stringers.							
157.9- 158.6	48.13- 48.34	APLITE DYKE at 80° to core. Weak clays ± limonite.							
158.6- 162.4	48.34- 49.50	GRANITE PORPHYRY Predominantly fresh granite. Fractures ± chlorite ± clays. Sporadic pegmatite stringers.							
162.4- 164.5	49.50- 50.14	ALTERED GRANITE Zone marked by moderate to weak silicification and local weak kaolinite. Fractures ± chlorite ± clays ± hematite.							
164.5- 167.8	50.14 51.15	ALTERED GRANITE Zone of weak chloritic/argillic alteration, marked by an increase (to 80%) of K-feldspar. K-feldspar weak clays, plagioclase. Kaolinite/chlorite. Interstitial	50387	164.5	167.8	50.14	51.15	3.3	1.01

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals in feet)	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS
		chlorite. Fractures ± chlorite ± clays ± limonite.							
167.8-168.7	51.15-52.42	ALTERED GRANITE Zone of pervasive chlorite. Original textures preserved. Limonite along fractures.	50388	167.8	168.7	51.15	51.42	0.9	0.27
168.7-169.4	52.42-51.63	ALTERED GRANITE Zone of moderate chloritic/argillic alteration. Plagioclase kaolinite/chlorite. K-feldspar moderate clays. Chlorite + clays.	50389	168.7	169.4	51.42	51.63	0.7	0.21
169.4-171.3	51.63-52.21	ALTERED GRANITE Zone of pervasive chloritic alteration. Well broken up Fractures chlorite ± clays ± epidote.	50390	169.4	171.3	51.63	52.21	1.9	0.58
171.3 173.0	52.21 52.73	ALTERED GRANITE Zone of moderate epidotic/chloritic/weak argillic alteration. Plagioclase chlorite/epidote. K-feldspar moderate epidote/weak clays. Textures clearly visible. Fractures chlorite/epidote ± clays.	50391	171.3	173.0	52.21	52.73	1.7	0.52
173.0-173.3	52.73 52.82	APLITE DYKE at 80° to core. Very weak clays.							
173.3-173.9	52.82-53.00	ALTERED GRANITE Zone of weak interstitial and fracture clays. Plagioclase and K-feldspar also show weak clays.	50392	173.3	173.9	52.82	53.0	0.6	0.18
173.9-174.2	53.00-53.10	PEGMATITE DYKE at 70° to core. Weak clays							
174.2-175.3	53.10-53.43	ALTERED GRANITE Zone of weak interstitial and fracture clays as 173.3-173.9.	50393	174.2	175.3	53.10	53.43	1.1	0.34
175.3-189.2	53.43-57.67	GRANITE PORPHYRY Zone of predominantly fresh granite. Local clays and chlorite. Fractures ± clays ± chlorite. 0.4 ft pegmatite stringer at 188.1 ft.							
189.2-191.4	57.67-58.34	ALTERED GRANITE Zone of moderate chloritic/weak argillic alteration/ moderate silicification. Plagioclase chlorite masking	50394	189.2	191.4	57.67	58.34	2.2	0.67

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals in feet)	SAMPLE No	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS
		clays. K-feldspar weak chlorite/clays. Interstitial chlorite. Fractures chlorite ± clays ± hematite. Quartz stringer at 189.9 ft (0.1 ft) moderate hematite.							
191.4-193.9	58.34-59.10	GRANITE PORPHYRY Predominantly fresh granite. Fractures chlorite ± clays ± hematite.							
193.9-198.0	59.10-60.35	ALTERED GRANITE Zone of moderate chloritic/argillic alteration/ moderate silicification. Plagioclase clays/chlorite. K-feldspar moderate clays/chlorite. Interstitial clays/chlorite. Fractures chlorite + clays	50395	193.9	198.0	59.10	60.35	4.1	1.25
198.0-233.8	60.35-71.26	GRANITE PORPHYRY Predominantly fresh granite, local kaolinite/chlorite. Fractures ± chlorite ± clays ± hematite.							
233.8-234.1	71.26-71.35	PEGMATITE DYKE at 80 to cre. Weak clays.							
234.1-236.4	71.35-72.05	GRANITE PORPHYRY Predominantly fresh granite, local kaolinite/chlorite. Fractures ± chlorite ± clays ± hematite.							
236.4-237.4	72.05-72.36	ALTERED GRANITE Zone of weak chloritic/argillic alteration. Plagioclase kaolinite ± chlorite. K-feldspar weak clays. Fractures ± chlorite ± clays.	50396	236.4	237.4	72.05	72.36	1.0	0.30
237.4-250.8	72.36-76.44	ALTERED GRANITE Zone of moderate chloritic/argillic alteration. Interstitial chlorite/clays. Plagioclase clays/masked by chlorite. K-feldspar moderate clays/weak chlorite. Original textures preserved. Fractures ± chlorite ± clays ± hematite.	50397 50398	237.4 244.1	244.1 250.8	72.36 74.40	74.40 76.44	6.7 6.7	2.04 2.04
250.8-255.1	76.44-77.75	GRANITE PORPHYRY Predominantly fresh granite, local kaolinite/chlorite. Fractures ± chlorite ± clays ± hematite.							
255.1-257.6	77.75-78.52	ALTERED GRANITE Zone of weak chloritic/argillic alteration Moderate	50399	255.1	257.6	77.75	78.52	2.5	0.76

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals in feet)	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS
		silicification. Plagioclase kaolinite± chlorite. K-feldspar weak clasy. Interstitial chlorite. Fractures ± clays ± chlorite ± hematite.							
257.6-259.6	78.52-79.13	GRANITE PORPHYRY Fresh to weakly kaolinized granite showing weak silicification. Fractures ± chlorite ± clays ± hematite.							
259.6-260.0	79.13-79.25	APLITE DYKE at 60° to core. Weak clays.							
260.0-260.7	79.25-79.46	ALTERED GRANITE Zone of strong silicification with local kaolinization.							
260.7-261.1	79.46-79.58	ALTERED GRANITE Zone of moderate chloritic/argillic alteration. K-feldspar moderate clays. Plagioclase kaolinite/chlorite. Fractures ± chlorite ± clays	50400	260.7	261.1	79.46	79.58	0.4	0.12
261.1-272.4	79.58-83.03	GRANITE PORPHYRY Predominantly fresh granite, locally kaolinitic. Fractures ± chlorite ± hematite ± calcite.							
272.4-273.6	83.03-83.39	APLITE DYKE at 90° to core. Weak clays.							
273.6-275.4	83.39-83.94	GRANITE PORPHYRY Predominantly fresh granite, locally kaolinitic. Fractures ± chlorite ± clays.							
275.4-276.2	83.94-84.19	APLITE DYKE at 60° to core. Dyke has two mafic inclusions. weak clays.							
276.2-288.0	84.1 9-87.78	GRANITE PORPHYRY Predominantly fresh granite, locally kaolinitic. Fractures ± chlorite ± clays. Local horizons to 60% K-feldspar. 0.3 ft aplite dyke at 84.3 ft (80° to core).							
288.0-288.9	87.78 88.06	ALTERED GRANITE Zone of weak kaolinite(plagioclase) and weak interstitial chlorite. Zone has moderate silicification.	50401	288.0	288.9	87.78	88.06	0.9	0.27

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (intervals in feet)	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS
288.9-290.1	88.06-88.42	GRANITE DYKE ZONE Zone of pervasive limonite stain which masks the granite (looks to be moderate kaolinite/weak chlorite). The last 0.3 ft is an aplite dyke at 70° to core, which also shows strong limonite.							
290.1-291.5	88.42-88.85	ALTERED GRANITE Zone of weak kaolinite (plagioclase) and weak interstitial clay. Zone has strong silicification and is 50% K-feldspar.	50402	290.1	291.5	88.42	88.85	1.4	0.43
291.5-303.7	88.85-92.57	GRANITE PORPHYRY Fresh to locally kaolinitic/chloritic granite. The unit also has sporadic zones of 60-80% K-feldspar. Fractures ± chlorite ± clays ± hematite.							
303.7-306.4	92.57-93.39	ALTERED GRANITE Zone of weak argillic/chloritic alteration. Plagioclase kaolinite ± clays. K-feldspar weak clays. Plasgioclase show local complete alteration to clays. Moderate silicification. Fractures ± chlorite ± clays ± hematite ± limonite.	50403	303.7	306.4	92.57	93.39	2.7	0.82
306.4-311.8	93.39-95.04	GRANITE PORPHYRY Predominantly fresh granite, local kaolinite/chlorite. Fractures ± chlorite ± clays ± hematite.							
311.8-315.3	95.04-96.10	ALTERED GRANITE Zone of weak chloritic/argillic alteration/weak silicification. Plagioclase kaolinite ± chlorite. K-feldspar weak clays. Weak interstitial clays/chlorite.	50404	311.8	315.3	95.04	96.10	3.5	1.07
315.3-323.2	96.1-98.51	GRANITE PORPHYRY Predominantly fresh granite, local kaolinite/chlorite . Fractures ± chlorite ± clays ± hematite.							
323.2-327.1-	98.51-99.70	GRANITE PORPHYRY Predominantly fresh granite, marked by an increase(to 75%) of K-feldspar. The K-feldspar shows local weak clays. There is a small pegmatite dyke at 324.7-325.5 ft at 70° to core. Fractures ± chlorite ± clays ± hematite.	50405	323.2	327.1	98.51	99.70	3.9	1.19

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals in feet)	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS
327.1- 333.0	99.70- 101.50	GRANITE PORPHYRY Predominantly fresh granite composed of 25% K-feldspar (predominantly as phenocrysts; less than 4 cm); 35-45% plagioclase; 15-20 % mafics (predominantly chloritized; biotite ' hornblende); 15-20% quartz. Fractures ± chlorite ± clays. 330.0 ft. 101.50 m. EOH							

PROPERTY Arlington
LOGGED BY H. Keyser
DATE LOGGED August 20, 1981
DATE COLLARED
DATE COMPLETED

HOLE NO. 81-5
LOCATION
AZIMUTH
DIP AT COLLAR -45°
DEPTH 198 ft./60.35 m.

DIP TESTS
° AT
° AT
° AT

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals in feet)	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS
0.0-27.0	0.0-8.23	OVERBURDEN (CASING)							
27.0-27.8	8.23-8.47	GRANITE PORPHYRY Relatively fresh, may be basal till.							
27.8-35.3	8.47-10.76	APLITE K-feldspar rich aplite with quartz filled fractures. Extensively limonite stained. CI < 5.							
35.3-44.5	10.76-13.56	ALTERED GRANITE Chloritized mafics, fresh but sheared K-feldspar and plagioclase. Extensive limonite staining. Most original textures preserved.							
44.5-48.4	13.56-14.75	APLITE as at 27.8 - 35.3.							
48.4-51.7	14.75-15.76	MAFIC DYKE With calcite filled vugs and fractures. at 45° to c.a.							
51.7-58.0	15.76-17.68	GRANITE PORPHYRY Mafics are weakly chloritized but remaining minerals are fresh. Prominent weathering of interstitial spaces at 56.5 - 58.0. Original textures preserved. CI=12.							
58.0-59.2	17.68-18.04	ALTERED GRANITE Moderately altered granite porphyry. Chloritized mafics, somewhat epidotized plagioclase. K-feldspars remain for the most part enhedral but show some shearing and chloritic alteration along shears. Original textures preserved.							
59.2-61.1	18.04-18.62	MAFIC DYKE as at 48.4 - 51.7. 80° to core axis.							

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals in feet)	SAMPLE No.	FEET From	FEET To	METERS From	METERS To	WIDTH FEET	WIDTH METERS
61.1-61.8	18.62-18.84	ALTERED GRANITE as at 58.0 - 59.2.		61.1	61.8	18.62	18.84	0.7	0.21
61.8-72.4	18.84-22.07	GRANITE PORPHYRY Only alteration is chloritization of mafics. Large, pink enhedral K-feldspars. Original textures preserved. CI=10 - 15. Mafic inclusion(as at 48.4 - 51.7) at 68.7 - 69.0.							
72.4-74.9	22.07-22.83	ALTERED GRANITE Strongly altered granite porphyry. Strong chloritization of mafics and epoditization of plagioclase. Altered K-feldspars. Chlorite and calcite filled fractures. Most original textures preserved.		72.4	74.9	22.07	22.83	2.5	0.76
74.9-79.0	22.83-24.08	MAFIC DYKE With calcite filled vugs and fractures. 45° to core axis							
79.0-81.4	24.08-24.81	ALTERED GRANITE Weak alterations of granite porphyry. Chloritized mafics remainder is fresh.							
81.4-84.7	24.81-25.82	PEGMATITIC GRANITE 80% K-feldspar, 10% quartz, 5% plagioclase, 5% mafics.							
84.7-94.5	25.82-28.80	ALTERED GRANITE Weak alterations of granite porphyry. Chloritized mafics Plagioclase generally fresh, but locally shows weak epidotic and argillic alterations. Limonite stained fractures at 93.0-94.5. Chlorite filled fracture at 89.5							
94.5-96.6	28.80-29.44	APLITE Limonite stained K-feldspar rich aplite dyke.							
96.6-111.8	29.44-34.08	ALTERED GRANITE Weak alterations of granite porphyry. Chloritized mafics local argillized and epidotized plagioclase. K-feldspars remain pink and enhedral. CI=10. Moderately chloritized section at 105.3 - 105.9.							
111.8-113.1	34.08-34.47	ALTERED GRANITE Moderate chloritic and epidotic alterations of granite porphyry. Calcite filled fractures; limonite staining.		111.8	113.1	34.08	34.47	1.3	0.40

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals in feet)	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS
113.1-115.4	34.47-35.17	ALTERED GRANITE Very weak alterations, as at 96.6 - 111.8.							
115.4-116.2	35.17-35.42	ALTERED GRANITE Moderate alterations with limonite staining, as at 111.8-113.1.							
116.2-122.8	35.42-37.43	ALTERED GRANITE Very weak alterations, as at 96.6 - 111.8. Mafic inclusion at 121.1 - 121.3; 60° to core.							
122.8-125.4	37.43-38.22	ALTERED GRANITE Strong chloritic and epidotic alterations of granite porphyry. All plagioclase and some K-feldspar altered to epidote. K-feldspars somewhat enhedral but strongly altered. Most original textures preserved.		122.8	125.4	37.43	38.22	2.6	0.79
125.4-128.5	38.22-39.17	ALTERED GRANITE Strong chloritic and epidotic alterations as at 122.8 - 125.4, but with strong limonite staining. Broken core with gouging.		125.4	128.5	38.22	39.17	3.1	0.94
128.5-131.4	39.17-40.05	ALTERED GRANITE Weak to moderate alterations of granite porphyry. Chloritized mafics accompanied by epidotic and argillic alterations of plagioclase. K-feldspars remain pink and enhedral. Minor calcite filled fractures.		128.5	131.4	39.17	40.05	1.9	0.58
131.4-143.5	40.05-43.74	ALTERED GRANITE Weak chloritic and local epidotic and argillic alterations of granite porphyry.							
143.5-158.0	43.74-48.16	ALTERED GRANITE Strongly altered granite porphyry. Chloritized mafics, epidotized plagioclase. Minor argillic alterations locally present. K-feldspars remain enhedral but are completely altered . Essentially similar to 122.8 - 125.4. Calcite filled fractures present in limonite stained portions at 148.4 - 149.8, 152.1 - 155.0 and 156.7 - 158.0 Minor gouging present throughout zone. Some original textures preserved.		143.5 148.0 153.0	148.0 153.0 158.0	43.74 45.11 46.63	45.11 46.63 48.16	4.5 5.0 5.0	1.37 1.52 1.52

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals in feet)	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS
158.0-161.2	48.16-49.13	MAFIC DYKE With calcite filled vugs and fractures.							
161.2-173.4	49.13-52.85	ALTERED GRANITE Weakly to moderately altered granite porphyry. Chloritized mafics, some plagioclase locally shows argillic and epidotic alterations. Secondary K-feldspars present at 168.0 - 169.2. 4.0 cm quartz filled fractures (75° to c.a.) at 162.1 shows traces Gl.		161.2	163.0	49.13	49.68	1.8	0.55
173.4-178.6	52.85-54.44	MAFIC DYKE With calcite filled fractures and vugs.							
178.6-181.0	54.44-55.17	ALTERED GRANITE Chloritized mafics, weak epidotic and argillic alterations of plagioclase. K-feldspars fresh and enhedral.							
181.0-188.0	55.17-57.30	MAFIC DYKE as at 173.4 - 178.6.							
188.0-198.0	57.30-60.35	GRANITE PORPHYRY Relative fresh granite; weakly chloritized mafics. Minor epidote filled fractures. Overall silicification present. E.O.H. at 198.0 ft / 60.35 m.							

SVEINSON WAY MINERAL SERVICES LTD.

DIAMOND DRILL LOG

PROPERTY: Arlington
LOGGED BY: Harmen Keyser
DATE LOGGED: August 21, 1981
DATE COLLARED:
DATE COMPLETED:

HOLE NO.: 81-6
LOCATION:
AZIMUTH:
DIP AT COLLAR: -55°
DEPTH: 183 ft./55.78 m.

DIP TESTS
° AT
° AT
° AT

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals in feet)	SAMPLE NO.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS
0.0-38.0	0.0-11.58	OVERBURDEN							
38.0-47.2	11.58-14.39	ALTERED GRANITE Could be called granite porphyry(fresh) except for distinct weathering of interstitial spaces. Only alteration is chl'n of mafics. CI=10.							
47.2-53.0	14.39-16.15	MAFIC DYKE Mafic mineral content increases from 85% at 47.2 to 98% at 53.0. Upper part may be dioitic in composition.							
53.0-61.6	16.15-18.78	ALTERED GRANITE Weak alterations with interstitial weathering as at 38.0-47.2.							
61.6-77.8	18.78-23.71	GRANITE PORPHYRY Relatively fresh granite. Weak chloritization of mafics. Minor local interstitial weatherings with limonite staining.							
77.8-78.7	23.71-23.99	APLITE DYKE K-feldspar rich, minor limonite staining along fractures.							
78.7-99.2	23.99-30.24	ALTERED GRANITE Very weak chloritic alterations. Weathering of interstitial spaces, some minor limonite staining along fracture surfaces. K-feldspars locally show shearing and possible enrichment. Aplite dyke at 90.5-91.8.							
99.2-106.9	30.24-32.58	APLITE DYKE as at 77.8-78.7.							
106.9-116.0	32.58-35.36	ALTERED GRANITE Weakly altered granite porphyry. Chloritized mafics, weakly kaolinized K-feldspars. Essentially similar to 78.7 - 99.2.							

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals in feet)	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS
116.0-120.5	35.36-36.73	APLITE DYKE as at 77.8 - 78.7.							
120.5-136.6	36.73-41.64	ALTERED GRANITE Weakly altered granite porphyry. Chloritization of mafics, local weak epidotization and argillization of plagioclase. Weak local kaolinitic alterations of K-feldspars. Original textures preserved. CI=10.							
136.6-140.5	41.64-42.82	ALTERED GRANITE Moderate to strong alterations of granite porphyry, chloritized mafics, epidotized plagioclase, sheared and kaolinized K-feldspars, rounded quartz. Interstitial spaces weathered and locally replaced by limonite and hematite. Local minor gouging. Broken core.		136.6	140.5	41.64	42.82	3.9	1.19
140.5-148.6	42.82-45.29	ALTERED GRANITE Weak alterations, as at 120.5-136.6. Aplite dykes present at 140.9 - 141.2, 143.0 - 144.9. Some broken core.							
148.6-161.2	45.29-49.13	ALTERED GRANITE as at 136.6 - 140.5, but no gouging.		148.6 154.9	154.9 161.2	45.29 47.21	47.21 49.13	6.3 6.3	1.92 1.92
161.2-164.7	49.13-50.20	ALTFRED MICROGRANITE Granitic in composition, but aplitix in texture, chloritized mafics. Original textures preserved. CI=7.							
164.7-168.0	50.20-51.21	ALTFRED GRANITE Weakly altered, chloritization of mafics only.							
168.0-183.0	51.21-55.78	GRANITE PORPHYRY Relatively fresh granite.							
		E.O.H. at 183.0 ft/ 55.78 m.							

SVEINSON WAY MINERAL SERVICES LTD.

DIAMOND DRILL LOG

PROPERTY: Arlington
LOGGED BY: T. Henneberry
DATE LOGGED: August 27, 1981
DATE COLLARED:
DATE COMPLETED:

HOLE NO.: 81-7
LOCATION:
AZIMUTH:
DIP AT COLLAR: -55°
DEPTH: 318 ft./96.93 m.

DIP TESTS
___° AT ___'
___° AT ___'
___° AT ___'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals in feet)	SAMPLE No	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS
0.0-28.0	0.0-8.53	OVERBURDEN							
28.0-112.4	8.53-34.26	GRANITE PORPHYRY Fresh to locally weakly kaolinically altered granite. Composed of 25-30% K-feldspar (predominantly as phenocrysts; less than 3 cm); 35-45% plagioclase; 10-15% mafics (chloritized); and 10-15% quartz. Fractures show limonite ± hematite ± chlorite ± clays. The first 10 ft. of the unit shows ubiquitous earthy brown staining. Sporadic diorite and aplite stringers (less than 0.2 ft) cut the unit.							
112.4-117.5	34.26-35.81	ALTERED GRANITE Zone of weak chloritic/argillic alteration/weak silicification Plagioclase kaolinite/chlorite, K-feldspar clays (rims and fractures), interstitial chlorite. Fractures limonite ± clays ± chlorite.							
117.5-120.0	35.81-36.58	ALTERED GRANITE Zone of moderate to strong argillic/moderate chloritic alteration. Plagioclase argillized ± chlorite. K-feldspar weak to moderate clays. Interstitial clays and chlorite. Fractures limonite ± clays ± chlorite.	53610	117.5	120.0	35.81	36.58	2.5	0.76
120.0-148.3	36.58-45.20	GRANITE POYPHYRY Fresh to locally weakly kaolinized granite. Cut by sporadic aplite/pegmatite stringers. Fractures limonite ± chlorite ± clays.							
148.3-155.2	45.20-47.30	GRANITE PORPHYRY Similar to 120.0-148.3 except that K-feldspar now makes up 50% of rock.							
155.2-160.4	47.30-48.89	ALTERED GRANITE Zone of weak to moderate argillic alteration. Plagioclase							

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals in Feet)	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS
		completely argillized, K-feldspar moderate clays. Also interstitial. Zone is 50% K-feldspar. Fractures limonite ± clays.							
160.4-164.1	48.89-50.02	GRANITE PORPHYRY Fresh to locally weak kaolinized granite. Marked by an increase to 3% of matrix K-feldspar. Fractures ± chlorite ± clays ± limonite.							
164.1-167.6	50.02-51.08	APLITE/PEGMATITE DYKE at 30° to core. Weak to moderate clays.							
167.6-184.3	51.08-56.17	GRANITE PORPHYRY Fresh to locally weakly kaolinized granite. Fractures ± chlorite ± clays ± limonite.							
184.3-187.3	56.17-57.09	ALTERED GRANITE Zone of strong to pervasive chlorite with K-feldspar chloritized to weakly pink. Strongly silicified.	53617	184.3	187.3	56.17	57.09	3.0	0.91
187.3-190.5	57.09-58.06	ALTERED GRANITE Zone of strong epidotic alteration. Plagioclase clays/epidote. K-feldspar clays/epidote. Fractures ± clays ± epidote ± chlorite.	53611	187.3	190.5	57.09	58.06	3.2	0.98
190.5-192.2	58.06-58.58	ALTERED GRANITE Zone of moderate chloritic/argillic alteration. Plagioclase clays/chlorite, K-feldspar weak clays. Fractures chlorite ± clays ± epidote.							
192.2-213.4	58.58-65.04	ALTERED GRANITE Zone of strong epidotic/argillic alteration as 187.3 - 190.5.	53612	192.2	196.5	58.58	59.89	4.3	1.31
			53613	196.5	200.8	59.89	61.20	4.3	1.31
			53614	200.8	205.0	61.20	62.48	4.2	1.28
			53615	205.0	209.2	62.48	63.76	4.2	1.28
			53616	209.2	213.4	63.76	65.04	4.2	1.28
213.4-214.2	65.04-65.29	GRANITE PORPHYRY Fresh granite.							
214.2-214.7	65.29-65.44	DIORITIC DYKE at 70° to core.							

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals in feet)	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS
214.7-217.3	65.44-66.23	GRANITE PORPHYRY Fresh granite marked by an increase(to 80%) of K-feldspar. Fractures chlorite ± clays ± hematite.							
217.3-219.2	66.23-66.81	ALTERED GRANITE Zone of moderate argillic/strong chloritic epidotic alteration. Plagioclase clays/chlorite. K-feldspar chlorite/epidote. Interstitial chlorite/epidote. Fractures chlorite ± clays ± epidote.	53618	217.3	219.2	66.23	66.81	1.9	0.58
219.2-220.8	66.81-67.30	ALTERED GRANITE Zone of moderate argillic/weak chloritic alteration. Plagioclase kaolinite ± chlorite. K-feldspar weak clays. Fractures chlorite ± clays.							
220.8-224.5	67.30-68.43	ALTERED GRANITE Zone of moderate chloritic/epidotic/argillic alteration. Plagioclase clays/chlorite. K-feldspar chlorite/epidote. Fractures chlorite ± clays ± epidote.	53619	220.8	224.5	67.30	68.43	3.7	1.13
224.5-236.2	68.43-71.99	ALTERED GRANITE Zone of moderate argillic/weak chloritic alteration as 219.2 - 220.8.							
236.2-237.2	71.99-72.30	ALTERED GRANITE Zone of strong to pervasive chloritic/argillic alteration. Original textures partially to completely destroyed.	53620	236.2	237.2	71.99	72.30	1.0	0.30
237.2-241.0	72.30-73.46	MAFIC DYKE, ALTERATION ENVELOPE At 30° to core. Dyke shows moderate chlorite. Envelope intense chlorite.							
241.0-248.8	73.46-75.83	ALTERED GRANITE Zone of moderate chloritic/argillic alteration/weak silicification. Plagioclase kaolin/chlorite, K-feldspar weak clays on rims. Interstitial chlorite. Fractures chlorite ± clays ± epidote. Zone is cut by sporadic mafic stringers.							
248.8-251.4	75.83-76.63	ALTERATION/GOUGE ZONE Zone of pervasive chloritic alteration. Original textures only partially preserved. Last 0.4 ft clayey gouge zone.	52621	248.8	251.4	75.83	76.63	2.6	0.79

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals in feet)	SAMPLE No.	FEET From	FEET To	METERS From	METERS To	WIDTH FEET	WIDTH METERS
251.4-257.4	76.63-78.46	ALTERED GRANITE Zone of ubiquitous epidote. Original textures partially preserved. Traces sp and gl.	53622	251.4	257.4	76.63	78.46	6.0	1.83
257.4-259.2	78.46-79.00	ALTERED GRANITE Zone of moderate chloritic/argillic alteration. Similar to 241.0 - 248.8 except no silicification. Fractures chlorite ± epidote ± clays.							
259.2-265.2	79.00-80.83	ALTERED GRANITE Zone of strong chloritic/argillic/epidotic alteration. Plagioclase chlorite/kaolinite, K-feldspar chlorite epidote. Interstitial chlorite/epidote. Fractures chlorite ± clays ± epidote.	53623	259.2	265.2	79.00	80.83	6.0	1.83
265.2-267.5	80.83-81.53	ALTERED GRANITE Zone of moderate argillic/weak chloritic alteration as 224.5-236.2.							
267.5-273.0	81.53-83.21	ALTERED GRANITE Zone of strong epidotic alteration/moderate silicification. Original textures partially preserved. K-feldspar shows slight "pinkness".	53624	267.5	273.0	81.53	83.21	5.5	1.68
273.0-278.0	83.21-84.73	ALTERED GRANITE Zone is similar to above zone except that chlorite is also a dominant alteration mineral. Traces gl, cpy.	53625	273.0	278.0	83.21	84.73	5.0	1.68
278.0-280.3	84.73-85.44	ALTERED GRANITE Zone of strong silicification, weak chloritic/argillic alteration. Plagioclase kaolin ± chlorite, K-feldspar weak clays. Weak interstitial chlorite. Fractures chlorite ± clays ± epidote.							
280.3-281.8	85.44-85.89	ALTERED GRANITE Zone of pervasive chloritic alteration. Original textures weakly preserved.	53626	280.3	281.8	85.44	85.89	1.5	0.46
281.8-283.0	85.89-86.26	GOUGE ZONE Zone of broken gouged core. Showing strong chloritic/argillic alteration. Original textures completely destroyed.	53627	281.8	283.0	85.89	86.26	1.2	0.37

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals in feet)	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS
283.0- 288.8	86.26- 88.03	ALTERED GRANITE Zone of moderate argillic/weak chloritic alteration as 265.2 - 267.5.							
288.8- 291.7	88.03- 88.91	GOUGE ZONE Zone of broken, gouged core, as 281.8 - 283.0	53628	288.8	291.7	88.03	88.91	2.9	0.88
291.7- 292.7	88.91- 89.21	ALTERED GRANITE Zone of moderate argillic/weak chloritic alteration as 283.0 - 288.8.							
292.7- 294.3	89.21- 89.70	GOUGE ZONE Zone of broken, gouged core, with chlorite being the only alteration mineral.	53629	292.7	294.3	89.21	89.70	1.6	0.49
294.3- 318.0	89.70- 96.93	GRANITE PORPHYRY Fresh to weakly argillically/chloritically altered granite. Plagioclase shows weak kaolinite ± chlorite. K-feldspar very weak clays. Fractures ± chlorite ± clays ± epidote. Granite composed of 25-35% K-feldspar; 30-40% plagioclase, 10-15% mafics and 10-15% quartz. 318.0 ft E.O.H. 96.93 m.							