Part 1 of 2

81-#655
-9574

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
9574

EVALUATION OF THE LITTLE TIM PROSPECT

NTS 82 F/14W
Slocan Mining Division
117° 28' W
49° 46' N

Operator: Sveinson Way Mineral Services Ltd.

Owner: D. Nebor
of Mineral Claims:

Tiny Tim 1	18159
Tiny Tim 2	18160
Tiny Tim 3	18148
Tiny Tim 4	18149

Owner: M. Lamminen
of Mineral Claims:

ABEE 1	745
ABEE 2	746
ABEE 3	747
ABEE 4	748
ABEE 7	1297
ABEE 8	1298
ABEE 9	1338
ABEE 10	1339
Big Mac	1356
Big Mac	1357
Big Mac	1358
Three Sons 1	1377
Three Sons 2	1376
Silver Kettle	1374
Silver Ring 1	1375
Sad Sac	1378

Owner: Sveinson Way
Mineral Services Ltd.
of Mineral Claims:

GAB	2087	(8)
MUFF	2070	(7)

B. Way
July, 1981

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Map 2C is blank(?)

INTRODUCTION

The writer supervised exploration work conducted on the Little Tim Prospect and contiguous claims during the past year. An option agreement was entered into with owners D. Nebor and M. Lamminen by Sveinson Way Mineral Services Ltd. Surface and underground exploration work was completed as outlined herein.

LOCATION, ACCESS, PHYSIOGRAPHY, ROCK EXPOSURE, SOIL, TIMBER, WATER PRECIPITATION

The Little Tim Prospect is located in south central British Columbia approximately eight kilometers east - northeast from the Village of Slocan.

The geographic location is: 49° 46' North Latitude
117° 28' West Longitude

From Slocan, the Springer Creek logging road system is followed northeast to Memphis Creek whence it swings southward. The Little Tim access road then swings eastward crossing Ottawa Hill south of its crest.

The property is in the Selkirk Mountains at elevations ranging from 1,500 to 2,100 meters ASL. Much outcrop and steep conditions occur above 2,000 meters ASL, but slopes break to moderate below and exposure of bedrock is poor. The tree line is almost coincident with this 2,000 meters ASL elevation.

Soils are poorly developed above 2,000 meters, but gradually become well developed downslope.

Below 2,000 meters ASL, plentiful stands of natural pine, spruce and fir have only been modestly logged.

Annual precipitation is high, but tends to occur in damp periods March to April and November to December. 7.3 meters of snow were recorded during the 1980-81 winter. Snow cover leaves the adit areas during late June and returns during October. A short summer season is quite warm and frost free for two months.

PROPERTY

Figure 1 shows the claims owned and optioned by Sveinson Way. Claims owned by D. Nebor follow.

	Record No.	Expiry Date
Tiny Tim 1	18159	November 15, 1982
Tiny Tim 2	18160	November 15, 1982
Tiny Tim 3	18148	November 8, 1982
Tiny Tim 4	18149	November 8, 1982

Mineral claims owned by M. Lamminen follow:

	Record No.	Expiry Date
ABEE 1	745	July 20, 1981
ABEE 2	746	July 20, 1981
ABEE 3	747	July 20, 1981
ABEE 4	748	July 20, 1981
ABEE 7	1297	July 10, 1981
ABEE 8	1298	July 10, 1981
ABEE 9	1338	July 19, 1981
ABEE 10	1339	July 19, 1981
Big Mac	1356	July 19, 1981
Big Mac	1357	July 26, 1981
Big Mac	1358	July 26, 1981
Three Sons 1	1377	August 8, 1981
Three Sons 2	1376	August 8, 1981
Silver Kettle	1374	August 8, 1981
Silver Ring	1375	August 8, 1981
Sad Sac	1378	August 8, 1981

Mineral claims owned by Sveinson Way Mineral Services Ltd. follow:

		Record No.	Expiry Date
GAB	16 units	2087 (8)	July 1981
MUFF	16 units	2070 (7)	July 1981

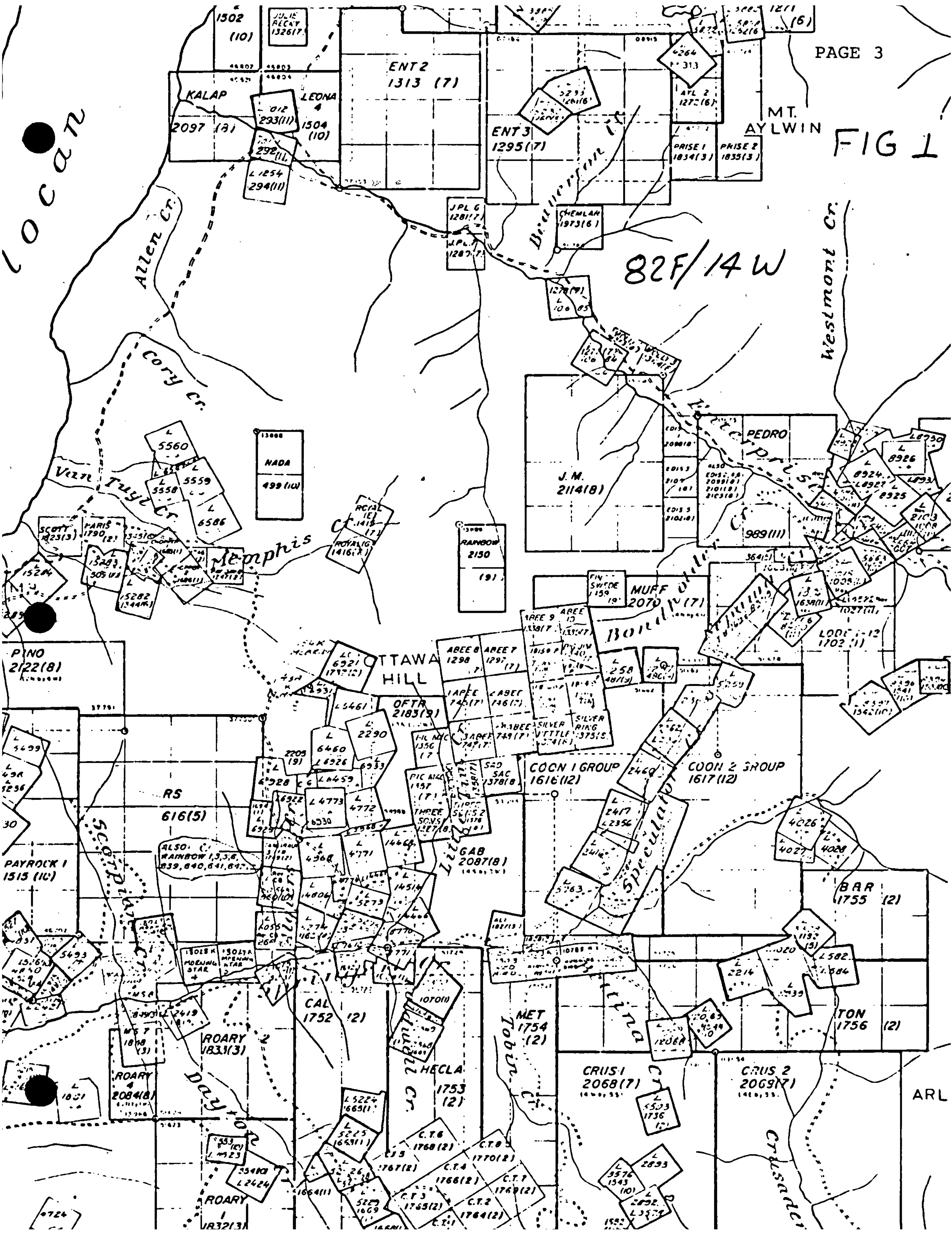


FIG 1
82F/14W
MT. AYLWIN
OTTAWA HILL
Slocan
Allen Cr.
Cory Cr.
Van Tuyl Cr.
Memphis Cr.
Beaverton Cr.
Westmont Cr.
Enterprise Cr.
Bondholder Cr.
Speculator Cr.
Scotia Cr.
Dayton Cr.
Tobin Cr.
Crusader Cr.
ENT 2 1313 (7)
ENT 3 1295 (7)
KALAP 2097 (8)
LEONA 4 1504 (10)
1502 (10)
PRISE 1 1834 (3)
PRISE 2 1835 (3)
CHEMLAH 1973 (6)
NADA 499 (10)
RAINBOW 2150 (9)
J.M. 2114 (8)
PEDRO
989 (11)
MUFF 2070 (7)
PINO 2122 (8)
RS 616 (5)
PAYROCK 1 1515 (10)
OFTR 2183 (9)
COON 1 GROUP 1616 (12)
COON 2 GROUP 1617 (12)
GAB 2087 (8)
BAR 1755 (2)
TON 1756 (2)
MET 1754 (2)
CAL 1752 (2)
HECLA 1753 (2)
CRUS 1 2068 (7)
CRUS 2 2069 (7)
ROARY 2 1833 (3)
ROARY 4 2084 (8)
ROARY 1 1832 (3)
LODE 1-12 1703 (1)
ARL
C.T. 6 1768 (2)
C.T. 8 1770 (2)
C.T. 4 1766 (2)
C.T. 7 1769 (2)
C.T. 3 1765 (2)
C.T. 2 1764 (2)
C.T. 5 1767 (2)

HISTORY

The Little Tim Prospect was first staked in 1918 and worked intermittently until 1947 by the owner. An option was held by Hardex Mines Ltd. during 1951-53. This group completed considerable drifting and diamond drilling, but records are unavailable. Several individuals have held leases since the early 1950's, but total production has been limited.

All shipments from the Little Tim have consisted of hand sorted ore. Public records indicate that 280 tons have been sold which contained a total of 35,459 oz. of silver, 42,791 lb. of lead and 12,926 lb. of zinc.

GEOLOGY

The Little Tim Prospect lies in a porphyritic phase of the Nelson Batholith. The host rock is a granodiorite consisting of potassium, feldspar phenocrysts, quartz, sodium feldspars and hornblende.

The granodiorite is sheared along multiple planes. The few slickensides which are apparent indicate near horizontal movement. A significant proportion of fractures show alteration envelopes, zones and haloes. Generally these are very narrow. Occasionally alteration zones grow to quartz veins and quartz-sulfide veins.

Veins consist of quartz and quartz-carbonate stringers and lenses having dimensions of 0 to 0.3 m. These are flanked in an alteration envelope up to 1.2 m in total width. Commonly wider sections of veins have disseminated to massive lenses of sulfides. Galena, sphalerite, tetrahedrite, chalcopyrite, pyrite and native silver occur in the veins. Native silver has been noted on occasion occurring in adjacent chloritic alteration zones as well.

Hydrothermal alteration associated with fracturing occurs in two facies. The more common is varying degrees of chloritization of granodiorite. More intense alteration has left chlorite masses with quartz eyes. Native silver may occur in these zones. Argillic alteration zones also flank veins. Sericite is common in this facies.

Alteration zones grade laterally to granodiorite.

Veins trend northeasterly but belong to a loop system and hence have a variety of strike directions. Vein splits are common. Dip directions are almost always 45 to 75^{o} easterly although a dip reversal has been noted with core drilling interpretations at section 16 + 40 N and suspected in the region of the face on 4 Level.

In the mine area, numerous veins, quasi veins and alteration envelopes have been noted although widths are extremely narrow, sulfide lenses are of limited dimension and ore shoots small. Erratic assays of high grade silver occur associated with sulfide lenses.

GEOCHEMICAL SURVEY

Soil samples were collected to cover and investigate potential mineralized areas near the Little Tim Prospect. Samples were collected over a grid pattern of 100 by 20 meters. Frequently more detailed fill-in sampling was accomplished. Analyses were completed by Bondar-Clegg and Company Ltd., North Vancouver, British Columbia. Results were plotted in plan on maps which are attached. Values are expressed in parts per million.

The -80 mesh size was used for analysis. Extraction was accomplished with hot Lefort Aqua Regia and analysis completed with atomic absorption.

Figures 2, 3 and 4 outline the statistical analysis performed for silver, lead and zinc. Cumulative percentages of values plotted against values in parts per million on logrithmic probability paper define two populations in the sample data for each metal. For silver the break in slope occurs at approximately 0.8 ppm. Values greater than 0.8 ppm are considered anomalous. Values greater than 33 ppm are considered anomalous for lead. For zinc values, greater than 200 are considered anomalous.

A total of 2,207 samples were analyzed for silver, 2,223 for lead and 1,205 for zinc.

Several anomalies in the area sampled were discovered. These had northeasterly trend directions and showed good resolution.

GEOLOGICAL MAPPING

Geological mapping on surface was performed by G. Allen under the guidance of the writer. The map appears attached to this report at a scale of 1:2500. Outcrop becomes of limited extent below tree line. The area mapped is about 3.5 km by 1.0 km.

DIAMOND DRILLING

Diamond drilling was conducted from surface and underground locations. Core diameter used was 1 1/16 or AQ. Each hole was logged and details of location, azimuth inclination and assays appear on the logs in Appendix A.

Core logs were completed by G. Allen under the writer's supervision. The core is stored south of Little Tim in the surface plant area of the Arlington Mine on Speculator Creek.

A total of 1,476.99 m of coring was completed in 31 holes. Coring failed to locate potential ore zones regularly on 3 or more veins as was hoped.

UNDERGROUND DEVELOPMENT

Approximately 300 meters of drifts, crosscuts and raises were accessible at Little Tim prior to development by Sveinson Way Mineral Services Ltd. New development consisted of 339 meters of drifting and cross cuts.

Two levels were advanced and drifting occurred on more than 4 veins.

UNDERGROUND SAMPLING

Routine sampling was conducted on the drifts at 1 m intervals. Vein material was sampled separately. Wall rock alteration zones were sampled on both sides of veins but assayed as one sample. Total width of sampling was attempted to reflect a mining width of 1.2 m. Assays were completed for silver, lead and zinc. A total of 630 samples were collected. Old stope backs were not sampled.

Assay plans at 1:250 scale are attached to this report. Results of sampling indicate that the strong central vein has adequate silver grade in small ore shoots. Assays and visual mineralogy indicate that this vein is vertically zoned with the better silver occurring above 3 Level. Evidence gained through sampling and drilling indicates that other veins are not adequately mineralized in consideration of metal prices, development costs and frequency of ore shoot occurrence.

RECOMMENDATION

Results from underground exploration were poor. The strong central vein is the only vein with good frequency mineralization. Therefore, it is the recommendation of our firm that no further development occur at this time. The option with M. Lamminen and D. Nebor should be dropped.

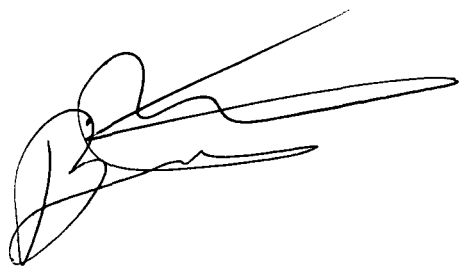
Geochemical anomalies in soil on claims held by Sveinson Way Mineral Services Ltd. should be investigated and trenched. Several silver-sulfide showings and mines in this area are known to have substantial silver values across good mineable widths including the Ottawa Mine and the Arlington Mine.

STATEMENT OF QUALIFICATION

I, Barry C. Way, am a registered Professional Geologist in the Province of Alberta.

I completed a B. Sc. degree specializing in geological science in 1973 at the University of Alberta and have been practicing the profession since that time.

I personally supervised the work of G. Allen during the course of this project. Mr. Allen graduated from the University of British Columbia in 1975 with a B. Sc. in geology.



ITEMIZED COST STATEMENT

1. Geochemical Survey	Dates: July 2 - Sept. 9/80	
Labour:	50 days, 4 people @ $60/day	$12,000.00
Assay:	Ag 2,207 x $1.65	3,641.55
	Pb 2,223 x $0.75	1,667.25
	Zn 1,205 x $0.75	903.75
	Sample preparation 2,223 @ $.50	1,111.50
Supplies:		500.00
2. Geological Mapping	Dates: July 2 - Sept. 5/80	
Labour:	50 days @ $125	6,250.00
Preparation map, report		2,000.00
3. Diamond Drilling	Dates: Aug. 1980 and Feb.-Apr., 1981	
Mobilization:		3,000.00
Surface:	485.8 m @ $55.75	27,083.35
Underground:	991.19 m @ $49.20	48,766.55
4. Underground Development	Dates: Dec. 1980 - Apr. 1981	
For purposes of this report an itemized cost statement has not been prepared. Rather in consideration of the extensive rehabilitation cost, the cost of accommodation and buildings and the cost of actually driving the tunnels a price of $1,015 per meter has been chosen. This price corresponds to those contract prices which were tendered in the area during 1980.		
	339 m @ $1,015/m	344,085.00
5. Underground Sampling	Dates: March 1 - May 9, 1981	
Assay:	630 Ag @ $9.75	6,142.50
	630 Pb @ $7.50	4,725.00
	630 Zn @ $7.50	4,725.00
Labour:	12 days @ $125	1,500.00
TOTAL:		$468,101.45

A P P E N D I X A

CORE LOGS

SUMMIT WAY MINERAL SERVICES — HOLE NO. - L.T. 80-1 — DIP — TUBE COLLAR -70° — TRUE -70°

LITTLE TOM PROPERTY — LOCATION - B.L. #1 0+20 S — 76.2 M -75° -70°

LOGGED BY - G. ALLEN — AZIMUTH - N 45° W — COLLARED - Aug 12/80 — 160.9 M -74° -69°

DRILLED BY - WALLACE DRILLING — DEPTH - 160.9 M — COMPLETED - Aug 14/80

INTERVAL	DESCRIPTION	SAMPLE NO.	FROM	TO	WIDTH	Ag	Pb	Zn
0 - 6.7M	CASING - PREDOMINANTLY THROUGH SAND. FEW BOULDERS < .5 M.							
6.7 - 17.3	PORPHYRITIC GRANITE (NELSON BATHOLITH) LT. GREY, COARSE GRAINED, FAIRLY REGULAR TEXTURE, QUARTZ PREDOMINANTLY SMOKY. PLAGIOCLASE, ORTHOCLASE, MUSCOVITE, MINOR HORNBLENDE. UNUSUALLY LARGE FELDSPARS (ORTHOCLASE) 2cm TO 5.cm AVR. 6.7 - 12.5 - STRONGLY WEATHERED, OXIDIZED, CORE SOFT, RUSTY, & BROKEN WITH WELL WEATHERED JOINTS @ 9.4M & 12.3 M. FINE OXIDIZED GRAVEL RECOVERED FROM JOINTS. 12.5 - 17.3 - PORPHYRITIC GRANITE WITH VERY LITTLE EVIDENCE OF WEATHERING. FELDSPARS PINKISH TO CREAM COLOUR GROUNDMASS GENERALLY COURSE GRAINED.								
17.3 - 18.6	LAMPROPHYRE DYKE DARK GREY-GREEN, FINE GRAINED.. UNIFORM COLOUR & TEXTURE.. CUTS GRANITE @ 40°. TO C.A. SHARP CONTACTS. LAMPROPHYRE FLECKED THROUGHOUT W/ FINE (.5MM) WHITE (QUARTZ) SPECS.							

INTERVAL	DESCRIPTION	SAMP. NO.	FROM	TO	TOTAL	Ag	Pb	Zn
18.6 - 34	PORPHYRITIC GRANITE AS ABOVE 32.6 - 32.9 - 30 CM GROUND CORE. (TUBE NOT LOCKED)							
34 - 34.6	ALTERATION ZONE (GRANITE) CONTACT ZONE BETWEEN LAMPROPHYRE & GRANITE, WEAKLY SHEARED @ 60° TO C.A. FINE TO MED GRAINED, LIGHT TO MED. GREY, INCREASED MAFIC CONTENT, ONLY REMNANTS OF LARGE FELDSPAR CRYSTALS.							
34.6 - 36.2	LAMPROPHYRE DYKE AS ABOVE, VERY DARK GREEN/GREY-BLACK 35 - 35.5 - INCLUSION OF ALTERED GRANITE AS ABOVE.							
36.2 - 45.1	PORPHYRITIC GRANITE AS ABOVE							
45.1 - 45.7	APLITE (PEGMATITE) DYKE MASSIVE CREAM TO WHITE, HIGHLY SILICIFIED TRACE ONLY MICA & HORNBLENDE. SHARP CONTACTS BUT IRREGULAR; FELDSPARS GENERALLY VERY LIGHT CREAM TO WHITE.							
45.7 - 47	PORPHYRITIC GRANITE AS ABOVE.							

INTERVAL	DESCRIPTION	SAMP. NO	FROM	TO	TOTAL	Ag	Pb	Zn
47.-47.7	APLITE DYKE AS ABOVE, VERY LOW MAFIC CONTENT							
47.7-64.6	PORPHYRITIC GRANITE AS. ABOVE, VARIABLE QTZ - MAFIC CONTENT, GENERALLY MORE MAFIC-RICH. WITH DEPTH. 60.1 - OXIDIZED JOINT IN CORE (5CM) RUSTY CORE							
64.6-65	LAMPROPHYRE DYKE AS ABOVE, SLIGHTLY BRECCIATED CONTACTS FELDSPAR FLOAT IN DYKE. SHARP CONTACTS.							
65-97.5	PORPHYRITIC GRANITE AS ABOVE 90.3 - 5 CM. ZONE W/ HEMATITIC STGRS. SHARP CONTACTS @ 80° TO CA.							
97.5-98.2	SILICIOUS (GRANITIC) DYKE LT CREAM TO GREY, FINE GRAINED, VERY SILICIOUS THROUGHOUT, REMNANT LARGE FELDSPARS, SHARP CONTACTS. @ 50° TO C.A.							
98.2-	PORPHYRITIC GRANITE AS ABOVE, 102.7 - LOST WATER RETURNS 104.2-104.8 - CORE SPLIT LONGITUDINALLY SLIGHTLY RUSTY ALONG FAULT. 103 - NARROW <4mm HEMATITIC SEAMS.							

INTERVAL	DESCRIPTION	SAMP NO.	FROM	TO	TOTAL	Ag	Pb	Zn
- 114.3	PORPHYRITIC GRANITE (CONT'D) 107.4 - 107.7 FAULT ZONE NO OXIDATION BUT CORE BROKEN W/ CONSIDERABLE ANGULAR COARSE SAND 107.6 - 5 CM SAND, MINOR CLAY VERY WEAK ALTN ON EITHER SIDE OF SLIP ZONE - SLIGHT BLEACHING. 111.4 OXIDIZED JOINT PLANE IN CORE @ 30° 112.4 - 112.7 - FAULT ZONE W/ WEAK HEM. STAIN & MINOR OXIDATION, SOME SOFT BROKEN CORE							
114.3 - 116.0	LAMPROPHYRE DYKE DARK GREY - GREEN, FINE TO MED. GR. NUMEROUS 1 TO 2 MM QTZ GRAINS. SHARP CONTACTS @ 45° TO C.A (115.6 - 115.9) APLITE STRINGER @ 60° TO C.A. SHARP CONTACTS.							
116.0 - 116.5	PORPHYRITIC GRANITE AS ABOVE.							
116.5 - 116.7	APLITE DYKE AS ABOVE, SHARP CONTACTS W/ GRANITE, @ 30° CREAM, COLOUR, SILICEOUS, F.G.							
116.7 - 116.9	PORPHYRITIC GRANITE AS ABOVE							

INTERVAL	DESCRIPTION	SAMP. NO	FROM	TO	TOTAL	Ag	Pb	Zn	
116.9 - 118.5	LAMPROPHYRE DYKE AS ABOVE.								
118.5 - 133.2	PORPHYRITIC GRANITE AS ABOVE 127.3 - 128 - FELDSPAR-RICH ZONE (DYKE?) 95% PINK FELDSPARS; TYPICAL LARGE CRYSTALS TRACE ONLY INTERCRYSTALINE MAFICS.								
133.2 - 134.1	LAMPROPHYRE DYKE CONTACTS SHARP @ 45° TO C.A. DARK GREY-BLACK, VERY FINE GRAINED. FINE DUSTING OF VERY TINY WHITE SPECKLES 133.2 - 10 CM ALTERED GRANITE (CONTACT ALTERATION) 133.9 - 18 CM ALTERED GRANITE. AS ABOVE. MED GRAINED. PINKISH GREY, MAFICS PARTIALLY DESTROYED.								
134.1 - 149.8	PORPHYRITIC GRANITE AS ABOVE, LAST .5M VERY SLIGHTLY BLEACHED.								
149.8 - 150.4	CHLORITIC ALTERATION 149.8 - 150 - ORIGINAL GRANITIC TEXTURE VISIBLE - INCREASINGLY CHLORITIC & ARGILLIC W/ DEPTH. 150 - 150.4 - TOTALLY SOFT, ARGILLIC. 150.35 - 150.4 - VERY FINE VIS Ag & TR CPY IN CHL.								

INTERVAL	DESCRIPTION	SAMP. NO.	FROM	TO	TOTAL	Ag (oz/t)	Pb (%)	Zn (%)
150.4 - 150.7	VEIN ZONE CREAM TO WHITE QUARTZ-CARB. SLIGHTLY BRECCIATED, SILICIOUS, W/ SERICITIC PATCHES, TR FINE GR. CPY. GALENA. (1 cm) TR VIS Ag. (VERY FINE GRAINED)	2301	150.0	150.7	0.7M	18.94	0.92	4.65
		2302	150.7	151.2	0.5M	0.09	0.01	0.04
150.7 - 150.9	ALTERATION ZONE SOFT CHLORITE & ARGILLIC, INCREASINGLY COMPETENT WITH DEPTH, ABRUPT CONTACT W/ GRANITE @ 150.9, LIGHT GREENISH GRAY COLOUR OVERALL. 150.7 - 2 cm W/ TR. OF VERY FINE VIS Ag.							
150.9 - 152.9	PORPHYRITIC GRANITE AS ABOVE							
152.9 - 160.9	LAMPROPHYRE DYKE 152.9 - 154.6 - VERY FINE GR. DIABASE TEXTURE, DUSTING OF FINE WHITE SPECKLES. 154.6 - 158.8 - INCREASED CONCENTRATION OF WHITE SPECKLES GIVES A LIGHTER GREY COLOUR. 158.8 - 160.9 - INCREASED QTZ. CONTENT (TO 25%). MED. GR. ALMOST GRANITIC TEXT. STRINGERS (<10 cm) OF THIS TYPE CUT CORE BETWEEN 152.9 & 158.8 AT IRREGULAR INTERVALS.							
160.9	END OF HOLE [signature]							

SUGI/SOKO WAY MINERAL SERVICES
LITTLE TIM PROPERTY
DRILLED BY. WALLACE DRILLING
ASSAYS - BONDAR - CLEGG
LOGGED - G ALLEN

HOLE No - L.T. 80-2
LOCATION - 1400N, 0+20E
AZM - N45°W
DEPTH
COLLARED - AUG /80. COMPLETED - AUG /80.
DIP -60°

INTERVAL	DESCRIPTION	SAMPLE NO	FROM	TO	WIDTH	Ag (oz/t)	Pb (%)	Zn (%)	
0 - 2.1	CASING								
2.1 - 25.4	PORPHYRITIC GRANITE								
	GREY, CREAM, WHITE, MED TO COARSE GRAINED.								
	CONTAINS, SMOKY QTZ, ORTHOCLASE,								
	PLAGIOCLASE, HORNBLENDE. TRACE MICA.								
	FELDSPAR CRYSTALS LIGHT CREAM/PINK.								
	2 TO 6 CM IN LENGTH.								
	2.1 - 15.2 - WELL WEATHERED, CORE								
	BROKEN & OXIDIZED. SAND SEAM @ 6.8 M.								
	14.3 - GROUND CORE (.3 M)								
	15.2 - 16.4 - WEAK OXIDIZING &								
	FRACTURING.								
	18.9 - LOST RETURN WATER, - FRACTURED GR.	2303	25.4	27.1	1M.	0.13	<0.01	0.10	(1 M GROUND CORE) (FINISHED)
	20.7 - .3 M - GRAVEL & SAND. OXIDIZED.	2304	27.1	27.7	0.6m	6.76	1.05	0.63	
		2305	27.7	28.4	0.7m	0.09	0.01	0.01	
25.4 - 27.1	FAULT ZONE								
	SOFT, RUSTY, WEATHERED CORE - RETRIEVAL								
	25.4 & 27.1 - 1M LOST (WASHED OUT)								
	TR HEMATITIC MATERIAL, CHEMICAL WEATHERING.								
27.1 - 27.7	VEIN (SHEAR) ZONE								
	8 CM GOUGEY, OXIDIZED - STAINED QTZ								
	W/ VIS GALENA. HEMATITE. BRECCIATED								
	BROKEN CONTACTS. FRACTURED CORE.								

		SAMPLE No	FROM	TO	WIDTH	LT. OZ/T Ag	% Pb	% Zn
27.7 - 33.3	APLITE - DYKE (PEGMATITIC) CREAM TO PINK, SILICIOUS, WEAK RUSTY STAIN IN PLACES. ALSO TR NEM. @ 30.5 M, MINOR INCLUSIONS OF GRANITIC MATERIAL.							
33.3 - 36.0	PORPHYRITIC GRANITE AS ABOVE, FRESH, NO WEATHERING, HARD							
36.0 - 38.1	APLITE DYKE AS ABOVE, SILICIOUS, FINE GRAINED, PEGMATITIC LIGHT PINK TO CREAM COLOUR.							
38.1 - 45.1	PORPHYRITIC GRANITE AS ABOVE - VERY FRESH APPEARANCE 44.8 - 45.1 - VERY WEAK CHLORITIC ALTERATION	2306	44.8	45.3	0.5	0.05	0.02	0.02
45.1 - 45.3	VEIN	2307	45.3	46.6	1.3	<0.02	<0.01	0.01
	12 CM WHITE QTZ W/ RUST STAIN, SHEARED CONTACTS @ 90° TO C.A. NO MIN.							
45.3 - 46.6	CHLORITIC ALTERED GRANITE, GREEN/GREY MATRIX - HORNBLENDS & MICAS CHLORITIZED, TR. HEMATITE, HARD, FELDSPARS FRESH.							
46.6 - 47.2	PORPHYRITIC GRANITE AS ABOVE, TR ONLY CHLORITIC ALTERATION.							
47.2 - 48.7	CHLORITIC ALTERED GRANITE WEAK TO MODERATE ALTERATION, HARD. TR. NEM. WEAK SHEAR @ 48.1.	2308	47.2	48.7	1.5M	<0.02	<0.01	<0.01

		Sample No	From	To	Width	Ag	Pb	Zn
48.7 - 55.6	PORPHYRITIC GRANITE AS ABOVE 49.9 - 50.9 - BLEACHED APPEARANCE - SILICIFIED - NO CHLORITE 54.5 - SHEAR, NO ALTERATION, ON CONTACTS - SHEAR WITH ARGILLITE & SAND. (0.1 M)							
55.6 - 56.9	ALTERATION ZONE (WEAK) GRANITE INCREASINGLY CHLORITIC. 55.6 - 56.3 - BLEACHED; SHEARS @ 56 M & 56.3 M TRACE RUSTY STAIN.							
56.9 - 59.1	CHLORITIC ALTERATION INCREASINGLY CHLORITIC W/ DEPTH. 1 cm VEINLET @ 58.8 W/ VIS GALENA.	2309 2310 2311	57 58 59.1	58 59.1 59.8	1 M 1.1 M 0.7 M	<0.02 0.12 26.90	<0.01 0.04 3.90	<0.01 0.04 1.65
59.1 - 59.7	VEIN WHITE/CREAM QTZ (CARB) SOME OXIDIZATION, SCATTERED VIS GALENA, 59.2 - 59.4, 2.5 cm MASSIVE GALENA @ 59.5.							
59.7 - 65.5	PORPHYRITIC GRANITE GENERALLY FRESH APPEARING WITH PATCHES OF WEAKLY CHLORITIC & BLEACHED CORE. WEAK SHEAR @ 61.8.							
65.5 - 66.4	APLITE DYKE AS ABOVE, CONTACTS BROKEN, VERY SILICEOUS							
66.4 -	PORPHYRITIC GRANITE AS ABOVE 69.4 - WEAK ARGILLIC SHEAR, CORE BROKEN. 70.7 - 71.3 - SERIES OF NARROW STRINGERS (< 1 cm) - BLEACH GRANITE NEAR STRINGERS NO MIN.							

		Sample No	From	To	Width	Ag	Pb	Zn	
- 80.4	PORPHYRITIC GRANITE (CONT'D) ALTERNATE ZONES OF FRESH GRANITE & WEAK ALTERATION, SANDY, BROKEN CORE @ 79.6 & 76.5 M. SILICIOUS IN PART. NO STRINGERS.								
80.4 - 83.5	(SILICIFIED) ARGILLIC ALTERATION, ORIGINAL GRANITE TEXTURE ALMOST TOTALLY DESTROYED IN PART, LT. GREEN/GREY COLOUR, HARD. NO MIN.								
83.5 - 83.6	VEIN WHITE/GREY QTZ WITH MINOR VIS GALENA. CONTACTS NOT SHARP W/ SILICIOUS WALL ROCK.	2312	83.1	83.7	0.6	0.11	0.05	0.07	
83.6 - 93.5	PORPHYRITIC GRANITE AS ABOVE - GENERALLY FRESH APPEARANCE 89.1 - NARROW <.1 M ARGILLIC SHEAR WEAKLY BLEACHED WALL ROCK,								
93.5 - 120.7	ALTERED PORPHYRITIC GRANITE, REWORKED GRANITES W/ LOCAL CONCENTRATIONS OF FELSICS, CONSIDERABLE ARGILLIC ALTERATION OF MATRIX MINERALS, SOME CHL. ALTERATION. WEAK TO MODERATE SHEARING IN PLACES SHEARS @ 101.4, (0.2 M) - ARGILLIC 104.5 - (0.3 M) - ARGILLIC. NO QTZ STRINGERS OR SILICIFICATION. EXCEPT @ 116.7 - 1 cm QTZ W/ HEM.								
120.7 - 121.4	VEIN ZONE BLEACHED ARGILLIC ROCK, SILICIFIED, 2 CM QTZ CARB @ 121.2 - NO MIN. 2cm clay AT VEIN.	2313	120.7	121.5	0.8	0.09	0.02	0.09	

121.4 -	PORPHYRITIC GRANITE (CONT'D) 128 - SANDY, ARGILLIC SHEAR (0.2 M) FROM 130 M GRANITE PROGRESSIVELY LESS ALTERED -
136.5	END OF HOLE Alison Green

SUSSMAN WAY MINERAL SERVICES

LITTLE TIM PROPERTY

DRILLED - WALLACE DRILLING

ASSAYS - BONDAR - CLEGG

DEPTH - 188.4 m

HOLE No. LT 80-3 DIP T- 91.4m -46
-182.3m -45

LOCATION - 1400 S ON BSELN.

AZM - N45°W

DIP AT COLLAR -49°30'

COLLARED - Aug. —/80 - COMPLETED - Aug —/80.

INTERVAL	DESCRIPTION	SAMP. NO.	FROM	TO	TOTAL	Ag	Pb	Zn
0-5.4.	CASING.							
5.4 - 21.1	PORPHYRITIC GRANITE GREY, CREAM, MED GRAINED, LARGE FELDSPAR CRYSTALS - 2-6 CM. GENERALLY FRESH APPEARANCE TO 8 M - RUSTY STAIN ON FRACTURES & SOME STAIN IN MATRIX (SURFACE WEATHERING. WEAK FAULT @ 11.8. 15.2 - OXIDIZED, SANDY FAULT, BROKEN CORE (15 cm).							
21.1 - 21.2	DYKE (LAMPROPHYRE) DARK GREY/BLACK, MAFIC, SHARP CONTACTS @ 75° TO CORE AXIS.							
21.2 -	PORPHYRITIC GRANITE AS ABOVE, GENERALLY UN-WEATHERED & NOT ALTERED. 22.5 - 10 CM SANDY FAULT, SHATTERED CORE TRACES OF HEMATITE ON SOME FRACTURE PLANES. 42.6 - 44.5 ALTERATION ZONE - WEAK TO MODERATE CHLORITIC ALTERATION, SOME ARGILLIC MATERIAL. - 10 CM STRONGLY CHLORITIZED @ 42.6.							

INTERVAL	DESCRIPTION	SAMP. NO	FROM	TO	TOTAL	Ag (oz/T)	Pb (%)	Zn (%)
- 106.3	PORPHYRITIC GRANITE (CONT'D.) 58.8 - 20 cm CONCENTRATION OF FELDSPARS -SILICIFIED (APLITE DYKE?) WEAK SANDY FAULT @ 59.0 - (CONTACT W/ DYKE ?) 68.5 - 5 cm BAND OF DARK MAFIC MATERIAL, BRECCIATED CONTACTS (LAMPROPHYRE) 71.5 - WEAK FAULT ZONE? - BROKEN & SHATTERED CORE - NO GOUGE OR SAND.							
106.3 - 107.1	CHLORITIC ALTERED GRANITE GREEN - GREY, CHLORITIC, SOFT, FINE GRAINED, SOME ARGILLIC MATERIAL. WEAKLY SHEARED. NO VEIN.	33601	3YE.5 106.1	351.5 107.1	1.0M	<0.02	<0.01	0.06
107.1 - 112.6	PORPHYRITIC GRANITE AS ABOVE, VERY WEAK CHLORITIC ALTERATION IN PLACES							
112.6 - 113	CHLORITIC ALTERED GRANITE. LIGHT GREEN - GREY, SILICIFIED IN PART, ARGILLIC IN PART, QTZ VERY SMOKY.							
113. - 113.2	SHEAR STRONG ARGILLIC - FILLED SHEAR, RECEMENTED IN PART - CHLORITIC.							
113.2 - 114.6	CHLORITIC / ARGILLIC ALTERATION, & AS ABOVE.							
114.6 -	SHEAR AS ABOVE, SOFT, BROKEN CORE, ARGILLACEOUS.							

INTERVAL	DESCRIPTION	SAMP. NO.	FROM	TO	TOTAL	Ag (oz/t)	Pb (%)	Zn (%)	Au (oz/t)
114.6 - 115.2	SHEAR (CONT'D)								
(369 - 392)	Strong propylitic alteration of granite q.m. sheared to gouge								
115.2 - 119.7	Weak chloritic alteration	33602	112.7	113.5	0.8	0.07	0.04	0.08	<0.002
		33603	113.5	115.2	1.7	0.02	<0.01	0.02	<0.002
119.7 - 122.2	ARGILIC ZONE BLEACHED, BROKEN CORE, SANDY SHEAR AT 120.0, CORE VERY SOFT. NO MAFICS REMAINING.	33604	119.7	122.2	2.5	<0.02	<0.01	<0.02	
122.2 - 131.3	PORPH GRANITE AS ABOVE								
131.3 - 131.8	LAMPROPHYRE DYKE. SHARP CONTACTS @ ≈ 80° FINE GRAINED DARK GREY/BLACK								
131.8 - 132.2	CHLORITIC ALTERATION @								
132.1 - 132.2	MUD SEAM WASHED OUT !!! @ BLOCKY CORE								
132.2 - 132.9	PORPHYRITIC GRANITE AS ABOVE NO ALTERATIONS								
132.9 - 133.0	ALTERATION ZONE - Mafics to chlorite, plag. propylitic K-feld phenocrysts unaltered. - 132.95 m - Shear at 10° to Core ~1cm silicification around fracture								
133.0 - 142.0	FRESH PORPHYRITIC GRANITE - 133.5 m - hematite stained fracture at 32° to Core - 136.9 m - 3cm mafic inclusion - local variation in proportion of K-spar phenos (30-40%)								

INTERVAL	DESCRIPTION	SAMPLE NO.	FROM	TO	TOTAL	Ag oz/T	Pb %	Zn %
142.0 - 142.6	- 142 - sharp contact with lamprophyre dyke at 60° to core. Groundmass of dyke dark gray to black, fine grained, chloritic. Visible quartz crystals up to 2 mm, ~10%. Granite near upper contact - plagioclase crystals bleached white.							
	142.3 - 142.35 - 25° to core, cross-cutting lamprophyre - fine grained granitic dyke. Banded - C.I. 5-20+							
	- 142.6 - lower contact of lamprophyre at 50° to core							
142.6 - 146.4	Fresh granite	33605	479.9 146.3	481.5 146.6	0.3	<0.02	<0.01	<0.02
146.4 - 146.6	P lagioclase crystals altered to white.							
146.6 - 147.2	ALTERATION AND VEIN ZONE							
	- 146.6 - 146.8 - K-spar is increasingly altered with depth to dark greenish gray. Groundmass is chloritic with patches of sericite developed along fractures. K-spar relatively hard. ~2 cm from vein very chloritic.	33606	480.3 146.6	481.5 146.8	0.2	0.05	<0.01	<0.02

INTERVAL	DESCRIPTION	SAMPLE No	FROM	TO	TOTAL	Ag oz/T	Pb %	Zn %
			(481.5)	(481.6)				
	146.8 - 146.85 - 5cm greenish to white quartz vein. Sericite as small pods (up to 1cm) + along hairline fractures (brownish gray). Fine grained galena commonly along margins of sericitic areas. Traces chalcopyrite. Galena associated with a fine grained black metallic mineral (sphalerite ?, tetrahedrite ?). Seams of galena up to 1 mm in width. ~5% of vein - metallics.	33607	146.8	146.85	0.05	5.09	0.86	3.35
			(481.6)	(482.8				
	146.85 - 147.2 - Very strong chloritic to argillic altered granite (dark green). K-spar phenocrysts altered to greenish black. Plagioclase in groundmass propylitically to argillically altered. Argillic smears on fracture surfaces. Near vein, ~5cm clay gouge.	33608	146.85	147.2	0.35	0.45	0.07	0.08
			(482.8)	(483.8)				
147.2 - 148.7	Granite - Plagioclase greenish. Mafics chloritic - 148 - 148.2 - strong chloritic alteration. K-spar crystals unaltered. ~2 mm red hematite developed on fracture at ~90° to core. FAULT.	33609	147.2	147.5	0.3	0.05	0.01	0.03
148.7 - 181.8	- Fresh granite - 151.5 - 151.7 - ~5cm fine grained mafic inclusion followed by small breccia zone with red hematite matrix.							

INTERVAL	DESCRIPTION	SAMPLE No.	From	To	TOTAL	oz/T Ag	% Pb	% Zn	oz/T Au
	160.9 - 161.2 - Fractures in granite. Silicified & hematitic, ~30° to core. Granite also siliceous. Plagioclase feldspars stained pinkish.	33610	(595.0) 181.4	(596.8) 181.8	0.4	0.04	<0.01	<0.02	
181.8 - 182.1	ALTERATION ZONE + VEIN								
	- 181.8 - 181.85 - 5cm zone - mafics strongly chloritic. Plagioclase weakly propyllitized.	33611	(596.5) 181.8	(596.7) 181.85	0.05	0.02	<0.01	<0.02	
	- 181.85 - 181.93 - 8cm zone. Mafics not apparent. Mafics and plagioclase in groundmass of granite altered to greenish argillic material. K-Spar phenocrysts unaltered.	33612	(596.7) 181.85	(596.8) 181.93	0.08	0.07	0.02	0.02	
	- 181.93 - 182.0 - 5-7cm fractured quartz vein (at 80° to core) Quartz is greenish-white. Barren except for ~1.5cm on footwall side of vein. - Fine grained galena developed on fractures and as pods up to 4mm thick. 5% + of metallics is chalcopyrite Traces fine grained Ag (?)	33613	(596.83) 181.93	597 182.0	0.07	0.76	1.08	0.38	
	- 182.0 - 182.1 - Alteration zone as 181.5-181.93	33614	(597) 182.0	(597.6) 182.1	0.1	0.02	<0.01	0.01	
182.1 - 185.2	Fresh granite	33615	(597.6) 182.1	(598.6) 182.5	0.4	0.02	0.01	<0.01	
185.2 - 185.8	Alteration zone - chloritic, propyllitic, becoming more siliceous with depth.	33616	(618.2) 181.8	(618) 188.4	1.6	0.02	<0.01	<0.01	<0.002
185.8 - 186.4	~ Fresh granite								
186.4 - 189.4	Alteration zone as 185.2 - 185.8								

E.O.H.

Aug 28/80 Gordon D. Allen

PROPERTY: Little Tim
LOGGED BY: T. Henneberry
DATE LOGGED: March 27/81
DATE COLLARED:
DATE COMPLETED:

HOLE: 3-1
LOCATION: 16+90E
AZIMUTH: 330.5°
DIP AT COLLAR: +02.0°
DEPTH: 204 ft. 62.18m

DIP TESTS
25° AT 204'
° 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- 7.9	0- 2.41	GRANITE PPY Fresh granite with minor zone of weak prop. alt. and limonite stain at 2.5 ft.										
7.9- 8.7	24.1- 26.5	ALTERATION SHEAR ZONE Moderate prop. alt., crumbly core. Shear is at 45° to core. Also weak limonite stain.	2796	7.9	8.7	2.41	2.65	0.8	0.24	0.12	0.04	0.01
8.7- 39.7	2.65- 12.10	GRANITE PPY. Fresh granite. The granite shows some limonite and/or propalt along 20% of the fractures.										
39.7- 40.1	12.10- 12.22	FINE GRAINED GRANITE DYKE at 65° to core.										
40.1- 51.2	12.22- 15.61	GRANITE PPY Fresh granite. The granite shows some limonite and/or prop. alt. along 20% of fractures.										
51.2- 57.6	15.61- 17.56	INTRUSIVE DYKE The dyke shows 2 phases. A fine grained granite phase (30% mafics) and a mafic phase (70% mafics) The dyke is at 40° to core.										
57.6- 113.4	17.56- 34.56	GRANITE PPY. Fresh granite. The granite shows limonite stain and/or prop. alt. along 20% of fractures. There is a zone of increased matrix K-feldspar (40%) from 85.5-88.0 ft. There is a minor horizon of intense prop. alt. at 106.4 - 106.8 feet.	2887	106.4	106.8	32.43	32.55	0.4	0.12	0.16	0.02	0.01
113.4- 123.3	34.56- 37.58	INTRUSIVE DYKE The dyke shows 2 phases. A fine grained granite phase (30% mafics) and a mafic phase (70% mafics The dyke is at 50° to core.										

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	[illegible]		
123.3- 20.40	37.58- 62.18	GRANITE PPY Perdominately fresh granite with zones of increased matrix K-feldspar (30-50%) at 131.5 to 139.3 feet and 195.8 to 202.0 ft. These zones also whow weak prop. alt. There are 2 pegmatite stringers at 188.0 - 188.3 at 30° to core and at 203.7 - 204.1 at 30° to core. Zone of increased K-feldspar phenos from 163.0 - 165.9 ft. 204 ft. E.O.H. or 62.18m	2222 2229 2290 2291	131.5 140.6 163.0 201.4	139.5 141.0 165.9 201.9	40.08 42.85 49.68 61.39	42.52 42.97 50.57 61.54	8.0 0.4 2.9 0.5	2.44 0.12 0.88 0.15	0.02 0,14 0.02 0.04	0.02 0.02 <0.01 0.02	0.01 0.01 <0.01 0.01		

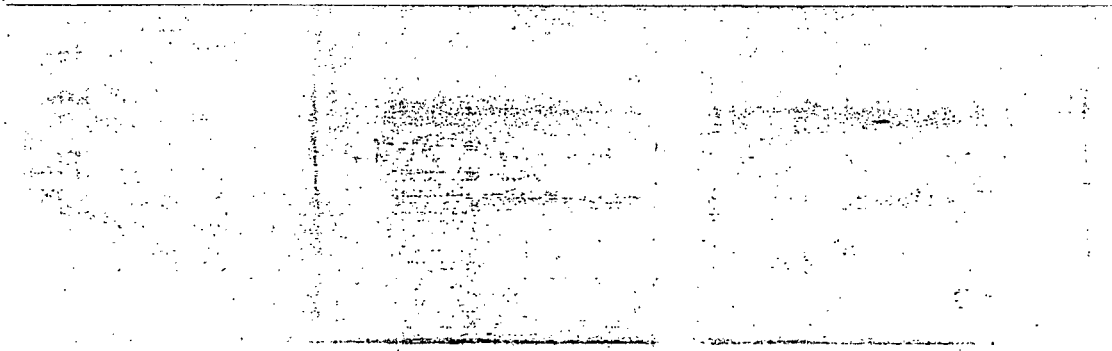
PROPERTY: Little Tim
LOGGED BY: T. Henneberry
DATE LOGGED: March 29/81
DATE COLLARED:
DATE COMPLETED:

HOLE: 3-2
LOCATION: 16+90E
AZIMUTH: 150.5°
DIP AT COLLAR: +55.0°
DEPTH: 123 ft. or 37.49m

DIP TESTS
° AT '
° AT '
° AT '

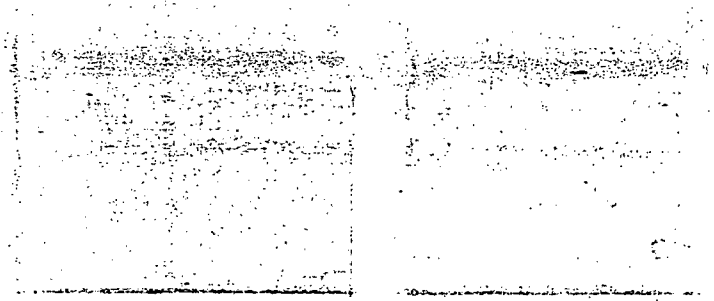
INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE NO.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
0- 7.9	0- 2.41	GRANITE PPY Fresh granite composed of 30% K-feldspar (predominantly as phenocrysts; less than 4 cm) 30% Quartz, 25-30% plagioclase and 10-15% mafics The first foot of the hole has an increase (60%) of K-feldspar phenocrysts.										
7.9- 8.0	2.41 2.44	ALTERATION ZONE Strong prop. alt. Dark chlorite green color.	2892	7.9	8.0	2.41	2.44	0.1	0.03	0.02	0.02	<0.0L
8.0- 8.3	2.44- 2.53	VEIN SOLID white quartz at 70° to core. Shows no visible min.	2893	8.0	8.3	2.44	2.53	0.3	0.09	0.02	0.02	<0.0L
8.3- 8.6	2.53- 2.62	ALTERATION ZONE Strong to moderate prop. alt.	2894	8.3	8.6	2.53	2.62	0.3	0.09	0.10	0.02	0.01
8,6- 15.0	2.62- 4.57	GRANITE PPY Fresh granite										
15.0- 15.6	4.57- 4.75	MAFIC DYKE at 50° to core. The dyke shows strong chlorite alteration as well as moderate limonite stain at the lower contact.										
15.6- 17.6	4.75- 5.36	GRANITE PPY Fresh Granite										
17.6- 18.3	5.36- 5.58	ALTERED GRANITE Weak to moderate prop. alt. Also shows a K-feldspar matrix increase (10%)	2895	17.6	18.3	5.36	5.58	0.7	0.21	0.02	<0.0L	0.01
18.3- 19.0	5.58- 5.79	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		
19.0-19.7	5.79-6.00	MAFIC DYKE at 30° to core. There is a small horizon 0.1 ft ofgranite within the dyke.												
29.7-24.5	6.00-7.47	GRANITE PPY Fresh Granite												
24.5-24.7	7.47-7.53	MAFIC DYKE at 30° to core												
24.7-39.8	7.53-12.13	GRANITE PPY Fresh granite with minor (0.7 ft) zone of 60% K-feldspar phenocrysts.												
39.8-40.4	12.13-12.31	ALTERATION ZONE Moderate prop. alt. Moderate limonite stain	2896	39.8	40.4	12.13	12.31	0.6	0.18	1.04	0.36	0.08		
40.4-40.8	12.31-12.44	VEIN Solid white quartz at 60° to core. Strong sp and gl.	2897	40.4	40.8	12.31	12.14	0.4	0.12	19.60	2.52	1.13		2.2 0
40.8-41.4	12.44-12.62	ALTERATION ZONE Moderate prop. alt. Moderate limonite stain.	2898	40.8	41.4	12.44	12.61	0.6	0.18	0.68	0.04	0.05		
41.4-48.5	12.62-14.78	GRANITE PPY Fresh granite showing an increase (5 - 10%)in matrix K-feldspar												
48.5-50.1	14.78-15.27	ALTERED GRANITE Zone of moderate prop. alt. and moderate limonite stain. This zone is also a zone of phenocryst K-feldspar increase (70%)	2899	48.5	50.1	14.78	15.27	1.6	0.49	0.02	0.04	0.01		
50.1-51.5	15.27-15.70	GRANITE PPY Fresh granite, showing a marked increase (10%) of matrix K-feldspar.												
51.5-53.3	15.70-16.25	ALTERED GRANITE Moderate prop. alt. The matrix in this zone shows a 15% increase in K-feldspar. There is also an increase to 40% of K-feldspar Phenocrysts.	2900	51.5	53.3	15.70	16.25	1.8	0.55	0.04	0.02	0.01		



INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn	
53.3- 55.6	16.25- 16.95	GRANITE PPY Fresh granite, showing a slight increase (5%) of matrix k-feldspar.											
55.6- 56.1	16.95- 17.10	ALTERED GRANITE Weak to moderate prop. alt.	2401	55.6	56.1	16.95	17.10	0.5	0.15	0.08	0.02	0.01	
56.1- 57.1	17.10- 17.40	GRANITE PPY Fresh Granite											
57.1- 57.8	17.40- 17.62	ALTERED GRANITE Moderate prop. alt.	2402	57.1	57.8	17.40	17.62	0.7	0.21	0.06	0.02	0.01	
57.8- 59.7	17.62- 18.20	GRANITE PPY Fresh Granite, with a k-feldspar phenocryst percentage of 70.											
59.7- 63.9	18.20- 19.48	ALTERED GRANITE Weak to moderate prop. alt. The zone is aprox. 60% k-feldspar phenocrysts. The matrix also has about 15% k-feldspar.	2403	59.7	63.9	18.20	19.48	4.2	1.28	0.02	0.02	0.01	
63.9- 65.3	19.48- 19.90	GRANITE PPY Fresh Granite											
65.3- 70.5	19.90- 21.49	ALTERED GRANITE Weak to moderate prop. alt. Noticable increase in matrix k-feldspar (10%) The core is crumbly from 67.6 to 68.2 (possible shear)	2404 2405 2406	65.3 67.6 68.2	67.6 68.2 70.5	19.90 20.60 20.79	20.60 20.79 21.49	2.3 0.6 2.3	0.70 0.18 0.70	0.04 0.06 0.10	0.02 0.02 0.04	0.01 0.01 0.01	
70.5- 79.4	21.49- 24.20	GRANITE PPY Fresh granite, with minor horizons of k-feldspar matrix increase (to 5%)											
79.4- 82.5	24.20- 25.15	MAFIC DYKE at 50° to core. Dyke shows moderate chlorite alteration											
82.5- 104.6	25.15- 31.88	GRANITE PPY Fresh granite zone of increased phenocryst k-feldspar from 102.5 - 104.6 ft.											

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
104.6-106.5	31.88-32.46	ALTERED GRANITE Moderate prop. alt. (10%) of plagioclase shows argillic alt. Minor limonite stain.	2407	104.6	106.5	31.88	32.46	1.9	0.58	0.06	0.02	0.01
106.5-115.0	32.46-35.05	GRANITE PPY Fresh granite, with a small horizon of moderate prop. alt. from 112.9 - 113.2 ft.	2408	112.9	113.2	34.41	34.50	0.3	0.09	0.06	0.02	0.01
115.0-116.5	35.05-35.51	ALTERED GRANITE Zone of moderate prop. alt. showing some minor limonite staining.	2409	115.0	116.5	35.05	35.51	1.5	0.46	0.24	0.02	0.02
116.5-123.0	35.51-37.49	GRANITE PPY Fresh granite										
		123.0 ft. E.O.H. 37.49m										



PROPERTY: Little Tim
LOGGED BY: T. Henneberry
DATE LOGGED: April 1/81
DATE COLLARED:
DATE COMPLETED:

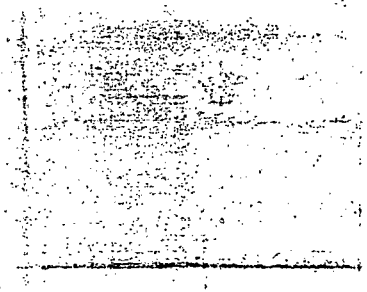
HOLE: 3-3
LOCATION: 16+90e
AZIMUTH: 150.5°
DIP AT COLLAR: +44.0°
DEPTH: 181 ft. or 55.17m

DIP TESTS
39.5° AT 171'
° AT '
° AT '

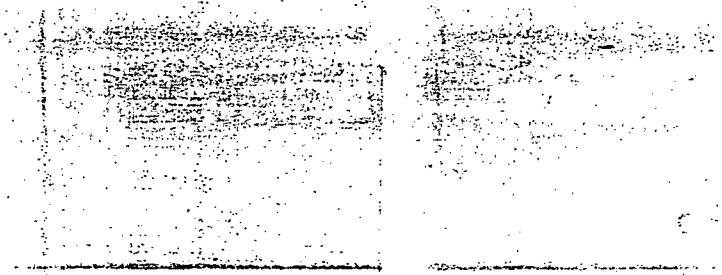
INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
0-7.4	0-2.26	GRANITE PPY Fresh granite composed of 30% k-feldspar (predominantly as phenocrysts; less than 4 cm). 30% quartz, 25-30% plagioclase and 10-15% mafics. There is a small horizon of 70% k-feldspar phenocrysts from (0.1 - 0.9 ft.)										
7.4-7.9	2.26-2.41	MAFIC DYKE at 45° to core										
7.9-8.7	2.41-2.65	ALTERATION ZONE Weak to moderate prop. alt. Quartz stringer at 85° to core at 8.1 ft.	2470	7.9	8.7	2.41	2.65	0.8	0.24	.02	.02	.01
8.7-13.0	2.65-3.96	GRANITE PPY Fresh granite										
13.0-14.0	3.96-4.27	ALTERED GRANITE Weak prop. alt. Moderate to intense limonite stain.	2471	13.0	14.0	3.96	4.27	1.0	0.30	.06	.02	.02
14.0-15.4	4.27-4.69	GRANITE PPY Fresh granite, with decrease (to 10%) of k-feldspar phenocrysts.										
15.4-16.2	4.69-4.94	MAFIC DYKE at 45° to core. Shows moderate chlorite alt.										
16.2-17.1	4.94-5.21	ALTERED GRANITE Moderate prop. alt.	2472	16.2	17.1	4.94	5.21	0.9	0.27	.02	.02	.01
17.1-35.9	5.21-10.94	GRANITE PPY Fresh granite. 20% of fractures show moderate prop. alt. along them. There is a minor horizon of moderate prop. alt. at 32.9 to 33.3 ft.	2473	32.9	33.3	10.03	10.15	0.4	0.12	.66	.02	.01

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
35.9-36.2	10.94-11.03	ALTERATION ZONE Moderate prop. alt.	2474	35.9	36.2	10.94	11.03	0.3	0.09	.08	.02	.10
36.2-36.5	11.03-11.12	VEIN Solid white quartz at 90° to core. Shows no visible mineralization	2475	36.2	36.5	11.03	11.12	0.3	0.09	.08	Tr	.07
36.5-36.8	11.12-11.22	ALTERATION ZONE Moderate prop. alt.	2476	36.5	36.8	11.12	11.22	0.3	0.09	.06	.02	.02
36.8-46.2	11.22-14.08	GRANITE PPY Fresh granite with minor horizon of limonite stain from 42.5 - 43.5 ft.										
46.2-50.6	14.08-15.42	ALTERED GRANITE Zone of moderate prop. alt. and weak to moderate argillic alt. This zone seems to carry a slightly higher % of k-feldspar phenocrysts (50%)	2477	46.2	50.0	14.08	15.42	3.8	1.16	.10	.02	.01
50.6-55.0	15.42-16.76	GRANITE PPY Zone of weak prop. alt. showing 1 - 2% k-feldspar in matrix. There is a zone of strong prop. alt. at 53.8 - 54.2 ft.	2478	53.8	54.2	16.40	16.52	0.4	0.12	.16	.02	.01
55.0-59.6	16.76-18.17	ALTERED GRANITE Zones of weak to moderate prop. alt. This zone shows a marked increase in k-feldspar content. The rock is 60% k-feldspar in this unit.	2479	55.0	59.6	16.76	18.17	4.6	1.40	.06	.02	.01
59.6-67.0	18.17-20.42	GRANITE PPY Zone of fresh to weakly prop. alt. With a 3% increase in matrix k-feldspar. 25% of fractures show strong hematite.										
67.0-68.1	20.42-20.76	ALTERED GRANITE Zone of moderate prop. alt. with 10% increase of k-feldspar in the matrix.	2480	67.0	68.1	20.42	20.76	1.1	0.34	.04	Tr	.01
68.1-74.6	20.76-22.74	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	[illegible]		
74.6- 75.6	22.74- 23.04	FINE GRAINED DYKE at 20° to core. Granodiorite composition.												
75.6- 98.2	23.04- 29.93	GRANITE PPY Fresh granite. Showing strong hematite and or moderate prop. alt. along 20% of fractures.												
98.2- 105.0	29.93- 32.00	ALTERED GRANITE Zone of strong to moderate prop. alt. weak argillic alt. and a marked increase in k-feldspar phenocrysts. (60%) The lower part to the zone shows the k-feldspar increase in the matrix. (10%)	2481	98.2	105.0	29.93	32.00	6.8	2.07	.10	.02	.01		
105.0- 108.3	32.00- 33.01	GRANITE PPY Fresh granite showing an increase to 10% of matrix k-feldspar.												
108.3- 122.4	33.01- 37.31	ALTERED GRANITE Moderate to strong prop. alt. Weak argillic alt. the zone is comprised of 70% k-feldspar phenocrysts.	2482	108.3	122.4	33.01	37.31	14.1	4.30	.14	.02	.01		
122.4- 144.9	37.31- 44.17	GRANITE PPY Fresh to weakly prop. alt. granite 15% of fractures show moderate prop. alt.												
144.9- 149.2	44.17- 45.48	MAFIC DYKE at 15% to core. The last 0.7 ft of the dyke form part of the alteration zone for the deeper vein.												
148.5- 149.2	45.26- 45.48	ALTERATION ZONE This is the altered mafic dyke. Showing strong chlorite and epidote alter ation.	2483	148.5	149.2	45.26	45.48	0.7	0.21	.14	.04	.07		
149.2- 150.0	45.48- 45.72	VEIN Solid white quartz at 80° to core. The vein carries 10% sulfides as sp and gl.	2484	149.2	150.0	45.48	45.72	0.8	0.24	3.26	.36	.29		
150.0- 150.8	45.72- 45.96	ALTERATION ZONE Granite showing moderate prop. alt. and weak argillic alt.	2485	150.0	150.8	45.72	45.96	0.8	0.24	.14	.02	.01		



INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
150.8- 151.4	45.96- 46.15	ALTERATION ZONE This is a mafic dyke (?) showing strong prop. alt.	2486	150.8	151.4	45.96	46.15	0.6	0.18	.48	.08	.17
151.4- 152.7	46.15- 46.54	VEIN Solid white to limonite stained quartz at 80° to core. The vein carries 5% sulfides as sp and gl. There is a minor zone of mafic dyke from 152.2 to 152.5 ft.	2487	151.4	152.7	46.15	46.54	1.3	0.40	2.76	.28	.15
152.7- 154.2	46.54- 47.00	ALTERATION ZONE Granite showing strong prop. and weak argillic alteration.	2488	152.7	154.2	46.54	47.00	1.5	0.46	.02	.06	.03
154.2 168.3	47.00 51.30	GRANITE PPY Fresh to weakly prop. alt. granite. Showing an increase to 5% in matrix k-feldspar. There is a zone of moderate prop. alt. from 165.6 - 166.6 ft. 40% of fractures show mod. prop. alt. and/or limonite stain	2489	165.6	166.6	50.47	50.78	1.0	0.30	.06	.02	.01
168.3- 170.3	51.30- 51.82	PEGMATITE DYKE at 10° to core.										
170.0- 181.0	51.82- 55.17	GRANITE PPY Fresh to weakly prop. altered granite, showing an increase to 10% of matrix k-feldspar. 50% of fractures show limonite stain and moderate prop. alt.										
		181.0 ft. E.O.H. 55.17m										



PROPERTY: Little Tim
LOGGED BY: T. Henneberry
DATE LOGGED: April 3/81
DATE COLLARED:
DATE COMPLETED:

HOLE: 3-4
LOCATION: 16+90E
AZIMUTH: 150.5°
DIP AT COLLAR: +17.0°
DEPTH: 150 ft. or 45.72 m

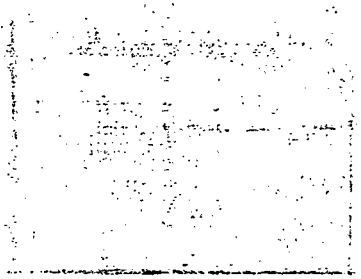
DIP TESTS
___° AT ___'
___° AT ___'
___° AT ___'

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE NO.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
0-11.0	0-3.35	GRANITE PPY Fresh granite composed of 30% K-feldspar (predominantly as phenocrysts; less than 4cm) 30% quartz, 25 - 30% plagioclase and 10 - 15% mafics. Within this zone the k-feldspar matrix is 1 - 2 %.										
11.0-11.2	3.35-3.41	VEIN Solid, white quartz at 80° to core. Shows no visible mineralization.	2444	11.0	11.2	3.35	3.41	0.2	0.06	.18	.06	.01
11.2-11.6	3.41-3.54	ALTERATION ZONE Granite shows weak prop. alt. and an increase (to 5%) of matrix k-feldspar	2445	11.2	11.6	3.41	3.54	0.4	0.12	.66	.02	.01
11.6-15.5	3.54-4.72	GRANITE PPY Fresh granite, with a 1 - 2% (locally to 5%) k-feldspar matrix. There is a small horizon of weak prop. alt. and increased k-feldspar (to 70% of rock) at 13.9 - 14.7 ft.	2446	13.9	14.7	4.24	4.48	0.8	0.24	.16	Tr	.01
15.5-21.5	4.72-6.55	GRANITE PPY Fresh granite with 45% k-feldspar phenocrysts and 20% k-feldspar matrix. 30% of fractures show mod. prop. alt. and/or limonite stain.										
21.5-22.6	6.55-6,89	GRANITE PPY Fresh granite										
22.6-25.0	6.89-7.62	GRANITE PPY Fresh to weakly prop. alt. granite showing 10% matrix k-feldspar, and moderate prop. alt. along 25% of the fracture. A minor mafic dyke cuts the horizon at 24.9 to25.1 at 70° to core. The dyke shows strong chloritization.										

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	[illegible]		
25.0- 26.8	7.62- 8.17	GRANITE PPY Fresh granite, showing a decrease (to 10%) of phenocrysts k-feldspar.												
26.8- 29.1	8.17- 8.87	ALTERED GRANITE Zone of moderate prop. alt. and weak argillic alt. The core has a vuggy appearance.	2447	26.8	29.1	8.17	8.87	2.3	0.70	.14	Tr	.01		
29.1- 29.9	8.87- 9.11	GRANITE PPY Fresh granite, with 5% matrix k-feldspar												
29.9- 30.2	9.11- 9.20	ALTERATION ZONE Moderate prop. alt.	2448	29.9	30.2	9.11	9.20	0.3	0.09	.24	.02	.02		
30.2- 30.6	9.20- 9.33	VEIN Vuggy limonite stained quartz at 85° to core showing no visible mineralization.	2449	30.2	30.6	9.20	9.33	0.4	0.12	4.78	.06	.07		
30.6- 30.9	9.33- 9.42	ALTERATION ZONE Moderate prop. alt.	2450	30.6	30.9	9.33	9.42	0.3	0.09	.34	.02	.03		
30.9- 35.1	9.42- 10.70	GRANITE PPY Fresh to weakly prop. alt. granite with noticeable increases in k-feldspar in both the matrix and the phenocrysts (10% and 40% respectively) There is a strongly chloritically alt. mafic dyke from 33.5-33.9 ft at 70° to core.												
35.1- 44.2	10.70- 13.47	GRANITE PPY Fresh granite, locally showing weak prop. alt. Matrix k-feldspar 1-2% (locally to 10%). There is a small horizon of increased (to 70% of rock) k-feldspar content from 36.4 - 37.2 ft. 20% of fractures show mod. prop. alt. and/or moderate hematite stain.												
44.2- 46.9	13.47- 14.30	GRANITE PPY Fresh to weakly prop. alt. granite showing an increase (to 60%) of k-feldspar phenocrysts.)												

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
46.9- 51.0	14.30- 15.54	GRANITE PPY Fresh granite, with 1-2% matrix k-feldspar.										
51.0- 53.4	15.54- 16.28	ALTERED GRANITE Zone of moderate prop. alt. and marked increase (to 70% of rock) of k-feldspar.	2451	51.0	53.4	15.54	16.28	2.4	0.73	.04	Tr	.01
53.4- 72.9	16.28- 22.22	GRANITE PPY Fresh granite with 2 minor horizons of weak prop. alt. and k-feldspar increases (to 5% in matrix) one is at 63.8 to 64.4 and the other is at 70.9 to 71.4 ft.	2452 2453	63.8 70.9	64.4 71.4	19.45 21.61	19.63 21.76	0.6 0.5	0.18 0.15	.08 .02	Tr Tr	.02 .01
72.9- 75.3	22.22- 22.95	ALTERED GRANITE Zone of moderate prop. alt. Zone also shows a matrix k-feldspar increase (to 2%)	2454	72.9	75.3	22.22	22.95	2.4	0.73	.04	.02	.01
75.3- 101.8	22.95- 31.03	GRANITE PPY Fresh granite, with local zones of k-feldspar matrix content of 25%. There are 2 minor horizons of moderate prop. alt. at 89.9 - 90.5 ft and 95.9 to 96.6 ft. 50% of fractures show mod. prop. alt. and/or moderate limonite stain.	2455 2456	89.9 95.9	90.5 96.6	27.40 29.23	27.58 29.44	0.6 0.7	0.18 0.21	.06 .10	Tr .02	.02 .02
101.8- 102.9	31.03- 31.36	ALTERED GRANITE Zone of moderate to strong prop. alt. Medium green color.	2457	101.8	102.9	31.03	31.36	1.1	0.33	.08	.02	.03
102.9- 103.9	31.36- 31.67	GRANITE PPY Fresh granite										
103.9- 104.4	31.67 31.82	ALTERATION ZONE Moderate to strong prop. alt.	2458	103.9	104.4	31.67	31.82	0.5	0.15	13.44	.06	.07
104.4- 104.8	31.82- 31.94	VEIN Solid white quartz carrying 5% sulfides as sp, gl and tetra(?) The vein is at 70° to core.	2459	104.4	104.8	31.82	31.94	0.4	0.12	69.64	4.20	4.05
104.8- 106.8	31.94- 32.55	ALTERATION ZONE Moderate to strong prop. alt. and weak argillic alt. This is an alteration zone for 2 veins.	2460	104.8	106.8	31.94	32.55	2.0	0.61	.10	.02	.02

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
L)c.												
106.8- 107.1	32.55- 32.64	VEIN Solid, white quartz at 75° to core. No visible mineralization.	2461	106.8	107.1	32.55	32.64	0.3	0.09	1.24	.08	.07
107.1- 108.0	32.64- 32.92	ALTERATION ZONE Strong to moderate prop. alt.	2462	107.1	108.0	32.64	32.92	0.9	0.27	.04	.02	.02
108.0- 115.5	32.92 35.20	GRANITE PPY Fresh granite, with 40% k-feldspar phenocrysts and 2% matrix k-feldspar.										
115.5- 119.6	35.20- 36.45	GRANITE PPY Fresh granite, with 60% k-feldspar phenocrysts and 4% matrix k-feldspar. There is a mafic dyke at 70° to core at 118.0 to 118.4 ft.										
119.6- 125.0	36.45 38.10	ALTERED GRANITE Zone of weak prop. alt. Zone carries 60% feldspar phenocrysts. There isalso some weak argillic alteration.	2463	119.6	125.0	36.45	38.10	5.4	1.64	.08	.02	.01
		125.0 ft. E.O.H. 38.10m										



PROPERTY: Little Tim
LOGGED BY: Gord. Allen
DATE LOGGED: March 18/81
DATE COLLARED: March 17/81
DATE COMPLETED: March 18/81

HOLE: 3-5(2074-5)
LOCATION: 16+80e
AZIMUTH: 152.0°
DIP AT COLLAR: +43.5°
DEPTH: 41' 12.50m

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%
0-10.0	0-3.08	GRANITE PPY Fresh Granite										
10.1- 15.3	3.08- 4.66	ALTERED GRANITE Pale epidote green color. Moderate prop. alt. Fractured core.	2859	10.1	15.3	3.08	4.66	5.2	1.58	<0.02	<0.01	<0.01
15.3- 20.8	4.66- 6.34	GRANITE PPY Fresh Granite										
20.8- 21.8	6.34- 6.64	ALTERATION ZONE Moderate to strong prop. alt.	2860	20.8	21.8	6.34	6.64	1.0	0.30	0.04	0.02	0.01
21.8- 22.1	6.64- 6.74	VEIN Vuggy white quartz vein at 50° to core Minor GL and Sp.	2861	21.8	22.1	6.64	6.74	0.3	0.10	2.34	0.12	0.09
22.1- 24.4	6.74 7.44	ALTERATION ZONE Moderate propalt. becoming strong over last 0.5 feet to vein	2862	22.1	24.4	6.74	7.44	2.3	0.70	0.04	0.02	0.04
24.4- 26.0	7.44- 7.92	VEIN Vuggy to solid white quartz vein at 90° to core Minor Gl and Sp.	2863	24.4	26.0	7.44	7.92	1.6	0.48	0.79	0.27	0.04
26.0- 2.64	7.92- 8.05	ALTERATION ZONE Moderate prop. alt. pale epidote green	2864	26.0	26.4	7.92	8.05	0.4	0.13	0.18	0.01	0.03
26.4- 28.1	8.05- 8.56	GRANITE PPY Fresh granite										
28.1- 30.7	8.56- 9.36	ALTERED GRANITE Moderate prop. alt. pale green epidote color Minor quartz stringers (55° to core) carrying small amounts of sulfides.	2865	28.1	30.7	8.56	9.36	2.6	0.80	0.09	0.02	0.02

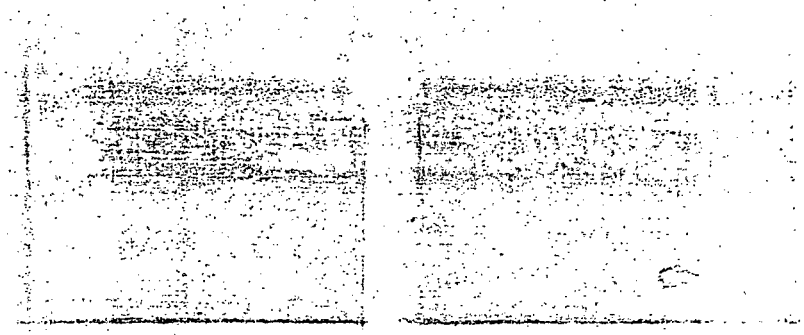
INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb%	%		
30.7- 33.3	9.36 10.15	GRANITE PPY Weak prop. altered granite with 70% K-Feldspar phenocrysts.												
33.3- 37.4	10.15 11.40	ALTERED GRANITE Weak to moderate prop. alt.	2866	33.3	37.4	10.15	11.40	4.1	1.25	0.02	<0.02	0.01		
37.4- 41.0	11.40- 12.50	GRANITE PPY Fresh Granite												
		41.0 E.O.H.												

PROPERTY: Little Tim
LOGGED BY: Tim Henneberry
DATE LOGGED: March 20/81
DATE COLLARED:
DATE COMPLETED:

HOLE: 3-6(2074-6)
LOCATION: 16+80e
AZIMUTH: 152.0°
DIP AT COLLAR: +24.5°
DEPTH: 60'/18.29m

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%
0-11.1	0-3.38	GRANITE PPY Fresh Granite										
11.1- 13.8	3.38- 4.21	ALTERED GRANITE Moderate prop. alt. Pale epidote green color.	2846	11.1	13.8	3.38	4.21	2.7	0.83	0.23	<0.01	<0.01
13.8- 15.1	4.21- 4.60	GRANITE PPY Fresh to very weak prop. alt. granite										
15.1- 15.9	4.60- 4.85	ALTERED GRANITE Moderate prop. alt. Pale epidote green	2847	15.1	15.9	4.60	4.85	0.8	0.25	0.02	<0.01	0.01
15.9- 18.7	4.85- 5.70	GRANITE PPY Fresh Granite										
18.7- 19.2	5.70- 5.85	ALTERATION ZONE Strong prop. alt. Dark chlorite green color.	2848	18.7	19.2	5.70	5.85	0.5	0.15	3.41	0.02	0.04
19.2- 19.3	5.85- 5.88	VEIN Solid white quartz 85° to core. Moderate sulfides Gl and Sp.	2849	19.2	19.3	5.85	5.88	0.1	0.03	33.05	5.40	0.80
19.3- 20.8	5.88- 6.34	ALTERATION ZONE Strong prop. alt. Medium green color.	2850	19.3	20.8	5.88	6.34	1.5	0.46	0.46	0.11	0.09
20.8- 21.3	6.34- 6.49	GRANITE PPY Weak prop. alt. 60% K-Feldspar phenos.										
21.3- 22.8	6.49- 6.95	ALTERED GRANITE Moderate prop. alt. Pale green Epidote color	2851	21.3	22.8	6.49	6.95	1.5	0.46	0.15	0.02	0.01
22.8- 23.2	6.95- 7.07	GRANITE PPY Fresh Granite										



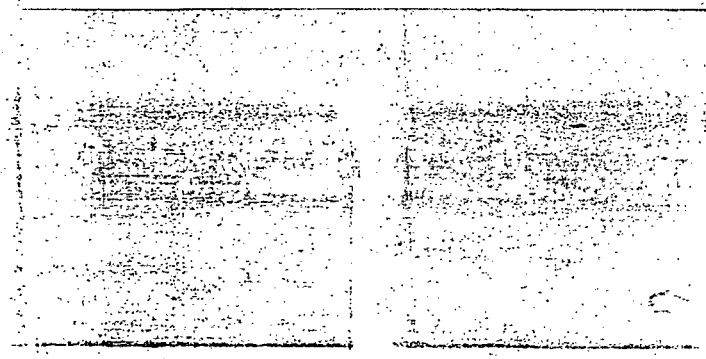
INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb%	%	
23.2- 23.6	7.07- 7.19	ALTERATION ZONE Moderate prop. alt. Pale green epidote color	2852	23.2	23.6	7.07	7.19	0.4	0.12	8.55	0.64	0.22	(??)
23.6- 24.2	7.19- 7.38	VEIN Solid white quartz at 90° to core. Some silicified granite within vein. Minor sulfides Gl and Sp.	2853	23.6	24.2	7.19	7.38	0.6	0.18	0.06	<0.01	0.01	(??)
24.2- 24.8	7.38- 7.56	ALTERATION ZONE Moderate prop. alt. Pale green epidote color.	2854	24.2	24.8	7.38	7.56	0.6	0.18	0.07	0.02	0.01	
24.8- 28.0	7.56- 8.53	GRANITE PPY Fresh to weak prop. alt granite											
28.0- 28.7	8.53- 8.75	ALTERATION ZONE Strong prop. alt. Dark green chlorite color	2855	28.0	28.7	8.53	8.75	0.7	0.22	0.04	0.02	0.04	
28.7- 28.8	8.75 8.78	VEIN Solid white quartz at 70° to core axis. Minor sulfides.	2856	28.7	28.8	8.75	8.78	0.1	0.03	2.29	0.55	0.16	
28.8- 29.5	8.78- 8.99	ALTERATION ZONE Moderate to weak prop. alt.	2857	28.8	29.5	8.78	3.99	0.7	0.21	0.04	0.01	0.01	
29.5- 30.8	8.99- 9.39	GRANITE PPY Fresh granite											
30.8- 32.0	9.39- 9.75	ALTERED GRANITE Weak to moderate prop. alt. Weak to moderate argillic alt. Crumbly core.	2858	30.8	32.0	9.39	9.75	1.2	0.36	0.03	<0.01	<0.01	
32.0- 60.0	9.75- 18.29	GRANITE PORPHYRY Fresh granite with 2 zones of high phenocryst percentage (60%) feldspar. The zones are 40.6-42.0 and 43.7-45.4.											
		60.0 E.O.H.											

PROPERTY: Little Tim
LOGGED BY: Tim Henneberry
DATE LOGGED: March 22/81
DATE COLLARED:
DATE COMPLETED:

HOLE: 3-7(2074-7)
LOCATION: 16+80E
AZIMUTH: 152.0°
DIP AT COLLAR: +09.0°
DEPTH: 138', 42.06m

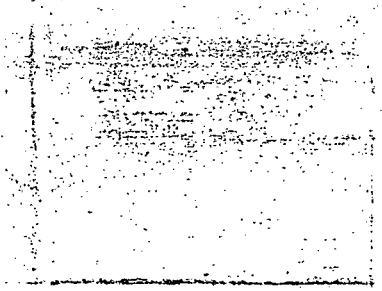
DIP TESTS
° AT
° AT
° AT

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE NO.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb%	Zn%
0- 12.2	0- 3.72	GRANITE PORPHYRY Fresh Granite										
12.2- 16.9	3.72 5.15	ALTERED GRANITE Moderate prop. alt. Noticable increase of K-feldspar in matrix (40%)	2836	12.2	16.9	3.72	5.15	4.7	1.43	<0.02	<0.01	<0.01
16.9- 18.1	5.15- 5.52	GRANITE PPY Fresh Granite										
18.1- 19.5	5.52- 5.94	ALTERED GRANITE Moderate prop. alt. Medium green color.	2837	18.1	19.5	5.52	5.94	1.4	0.43	<0.02	<0.01	<0.01
19.5- 19.9	5.94- 6.06	GRANITE PPY Fresh Granite										
19.9- 20.6	6.06- 6.28	ALTERATION ZONE Moderate to strong prop. alt.	2838	19.9	20.6	6.06	6.28	0.7	0.21	3.81	0.06	0.03
20.6- 20.8	6.28- 6.34	VEIN White unfractures quartz vein at 70° to core. Strong galena and some sphalerite	2839	20.6	20.8	6.28	6.34	0.2	0.06	57.5	8.60	2.50
20.8- 25.4	6.34- 7.74	ALTERATION ZONE Strong to moderate prop. alt. Intensity decreases with distance from vein.	2840	20.8	25.4	6.34	7.74	4.6	1.40	0.06	0.02	0.02
25.4- 33.3	7.74- 10.15	GRANITE PPY Fresh granite with one 0.4 ft. zone of moderate prop. alt. at 30.1 to 30.5 ft.										
33.3- 34.0	10.15- 10.36	ALTERATION ZONE Moderate prop. alt.	2841	33.3	34.0	10.15	10.36	0.7	0.21	0.12	0.04	0.02



INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb%	Zn%
34.0- 34.1	10.36- 10.39	VEIN Solid quartz vein at 50° to core. Minor sulfides	2842	34.0	34.1	10.36	10.39	0.1	0.03	0.12	0.03	0.04
34.1- 34.6	10.39- 10.54	ALTERATION ZONE Moderate prop. alt.	2843	34.1	34.6	10.39	10.54	0.5	0.15	0.06	0.02	0.03
34.6- 38.0	10.54- 11.58	GRANITE PPY Fresh Granite										
38.0= 38.9	11.58- 11.86	ALTERED GRANITE Weak prop. alt. Noticable increase in K-feldspar in matrix (40%) . Quartz stringer at 38.6 at 40° to core.	2844	38.0	38.9	11.58	11.86	0.9	0.27	0.02	<0.01	<0.01
38.9- 40.2	11.86- 12.25	GRANITE PPY Fresh Granite										
40.2- 44.4	12.25- 13.53	ALTERED GRANITE Weak prop. alt. Noticable increase in K-feldspar in metrix (40%)	2845	40.2	44.4	12.25	13.53	4.2	1.28	0.03	<0.01	<0.01
44.4- 48.0	13.53- 14.63	GRANITE PPY Fresh Granite										
48.0- 48.8	14.63- 14.87	ALTERED GRANITE Weak prop. alt. Unmineralized quartz stringer at 48.5 flat 20° to core	2827	48.0	48.8	14.63	14.87	0.8	0.24	0.05	<0.01	<0.01
48.8- 55.5	14.87 16.92	GRANITE PPY Fresh granite, with zones of 40% K-feldspar matrix.										
55.5- 56.8	16.92 17.31	ALTERED GRANITE Weak to moderate prop. alt. Unmineralized quartz stringer at 20° to core. Zone of increased matrix K-feldspar 40%.	2828	55.5	56.8	16.92	17.31	1.3	0.40	<0.02	<0.01	<0.01
56.8- 93.6	17.31- 28.53	GRANITE PPY Fresh granite with minor horizons of increased matrix K-feldspar (40%)										

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb%	Zn%
93.6- 94.3	28.53- 28.74	ALTERED GRANITE Strong prop. alt. Medium green color	2829	93.6	94.3	28.53	28.74	0.7	0.21	0.02	<0.01	0.01
94.3- 96.4	28.74- 29.38	GRANITE PPY Fresh Granite										
96.4- 105.3	29.38- 32.09	GRANITE PPY Zone of very weak to moderate (in small horizons) prop. altered granite. Pale green color in feldspar.										
105.3- 106.0	32.09- 32.31	ALTERETION ZONE Moderate prop. alt. Strong silicifications	2830	105.3	106.0	32.09	32.31	0.7	0.21	0.04	<0.01	0.01
106.0= 106.3	32.31- 32.40	VEIN Solid quartz vein at 60° to core. Minor sulfides	2831	106.0	106.3	32.31	32.40	0.3	0.09	0.02	0.02	0.04
106.3- 107.1	32.40- 32.64	ALTERATION ZONE Moderate to weak prop. alt. Strong to weak silicification	2832	106.3	107.1	32.40	32.64	0.8	0.24	<0.02	<0.01	<0.01
107.1- 113.6	32.64- 34.63	GRANTTE PPY Zone of weak to moderate (in small Horizon) prop. alt. Zones of increased matrix K-feldspar (40%)										
113.6- 114.5	34.63- 34.90	ALTERED GRANITE Moderate prop. alt. Zone of increased matrix K-feldspar (40%)	2833	113.6	114.5	34.63	34.90	0.9	0.27	<0.02	<0.01	<0.01
114.5- 116.8	34.90- 35.60	GRANITE PPY Fresh granite										
116.8- 117.9	35.60- 35.94	ALTERATION ZONE Weak to moderate prop. alt. Zone of increased matrix K-feldspar. Pegmatite stringer at 117.1 ft. at 20° to core.	2834	116.8	117.9	35.60	35.94	1.1	0.34	<0.02	<0.01	<0.01
117.9- 130.1	35.94- 39.65	GRANITE PPY. Fresh to weak prop. alt. granite. with 0.2 ft. horizons of increased matrix K-feldspar 40%										



INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb%	%		
130.1- 131.0	39.65- 39.93	ALTERED GRANITE Strong prop. alt. unmineralized quartz stringer at 130.4 ft. at 50° to core.	2835	130.1	131.0	39.65	39.93	0.9	0.27	0.05	<0.01	<0.01		
131.0- 138.0	39.93- 42.06	GRANITE PPY Fresh granite												
		E.O.H. 138.0 ft. 42.06m												

PROPERTY: Little Tim
LOGGED BY: Gordon Allen
DATE LOGGED: March 13/81
DATE COLLARED:
DATE COMPLETED:

HOLE: 3-8
LOCATION: 16+80E
AZIMUTH: 328.0°
DIP AT COLLAR: +24.0°
DEPTH: 82' / 24.99m

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%
0-45.5	0 - 13.87	GRANITE PPY. Fresh Granite										
45.5-49.9	13.87-15.21	ALTERATION ZONE Mod.-strong prop. alt 47' - HIT WATER Core fractured	2872	45.5	49.5	13.87	15.09	4.0	1.22	0.05	<0.01	0.02
49.9-82.0	15.21-24.99	GRANITE PPY. Fresh granite 68.2-69.7 - Fine grained ~~M~~-plag. diabasic inclusion (Dike?) approx. 1 cm. fine grained granite 'chill margin' at 68.2 only. E.O.H.										

PROPERTY: Little Tim
LOGGED BY: Gordon Allen
DATE LOGGED: March 13, 81
DATE COLLARED:
DATE COMPLETED:

HOLE: 3-9 (2074-9)
LOCATION: 16+80e
AZIMUTH: 328.0°
DIP AT COLLAR: -44.0°
DEPTH: 48' / 14.63 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%
0-42.3	0-12.89	GRANITE PPY Fresh Granite	2868	40.7	42.3	12.41	12.89	1.6	0.48	<0.02	<0.01	<0.01
42.3-42.6	12.89-12.98	ALTERATION ZONE Moderate Prop. alt.	2869	42.3	42.6	12.89	12.98	0.3	0.09	0.04	<0.01	0.01
42.6-43.1	12.98-13.14	VEIN White to greenish quartz. Some fracturing Limonitic stain. Traces galena, sphalerite - Vein at 65° to core.	2870	42.6	43.1	12.98	13.14	0.5	0.16	0.30	0.17	0.18
43.1-48.0	13.14-14.63	GRANITE PPY. Fresh granite. No alt. zone down hole from vein E.O.H.	2871	43.1	44.7	13.14	13.62	1.6	0.48	0.02	<0.01	0.01

SVEINSON WAY MINERAL SERVICES LTD.

DIAMOND DRILL LOG

PROPERTY: Little Tim
LOGGED BY: G. Allen
DATE LOGGED: April 10/81
DATE COLLARED:
DATE COMPLETED:

HOLE NO.: 3-10 (hole drilled in error)
LOCATION: 16+80E
AZIMUTH:
DIP AT COLLAR: 0°
DEPTH: 23oft/7.0 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- 18.8	0- 5.73	GRANITE PPY 30 - 40% K-spar phenos. up to 3 cm. in length 10% mafics 15% quartz aprox. 40% plagioclase							
18.8- 23.0	5.73- 7.0	HORNBLENDE PORPHYRY DYKE Blacky core. 10 - 15% 2 - 3 mm hb. phenos. in a dark gray groundmass. E.O.H.							

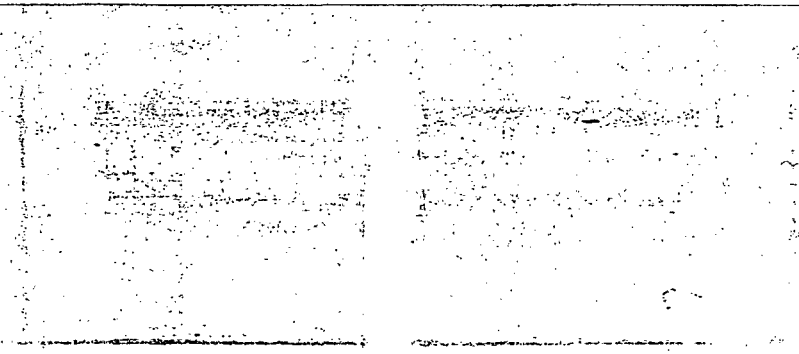
PROPERTY: Little Tim
LOGGED BY: Gordon Allen
DATE LOGGED: March 7/81
DATE COLLARED:
DATE COMPLETED:

HOLE: 3-11 (2074-11)
LOCATION: 16+50e
AZIMUTH: 340.5°
DIP AT COLLAR: -15°
DEPTH: 108'/32.93m

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
0-11.6	0- 3.54	ALTERED GRANITE 0-5.2 - Fractured core. Some limonite staining K-spar phenos. approx. 30% of rock, pink except for first 0.5' (pole greenish-gray). G.M. plag altered to dark or epidote green color. Soft strong chlorite alteration of mafics. 5.2-9.5 - Weak alteration of plag to slight greenish color. 9.5 - 11.0 - Strong prop./chloritic alt. of G.M. K-spar phenos approx. 50%. 11.0-11.4 - Aplite - med. gn. At 40% to core. 11.4 - 11.6 - Strong prop. alt. of granite								
11.6 - 56.0	3.54 - 17.07	FRESH GRANITE PORPHYRY K-spar phenos av. approx 30%. Varies up to 60%. Plag white Hb greater than Bi. CI - 10 qtz. approx. 15%.							
56.0 - 56.8	17.07 - 17.31	ALTERED GRANITE strong prop. alt. of feld. 56.2 - 1 cm. limonitic shear at approx. 55° to core.							
56.8 - 73.4	17.31 - 22.37	GRANITE PPY Fresh to weakly prop. altered granite.							

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (INTERVALS IN F	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag/oz/Ton	b%	Zn %
73.4- 73.9	22.37- 22.52	ALTERED GRANITE Moderate prop. alt. of plag. Chloritic alt. of mafics.										
73.9- 74.0	22.52- 22.56	QUARTZ VEIN Barren qtz. Weak limonite stain. 70° to core. 71.2-71.4 Pod. pegmatitic granite										
74.0- 74.6	22.56- 22.74	ALTERED GRANITE Mod. prop. alt.										
74.6- 91.8	22.74- 27.98	FRESH GRANITE PPY.										
91.8- 92.6	27.98- 28.22	ALTERATION ZONE Broken Core. Plag. prop. altered. K-spar altered to greenish gray. Mod. strong limonite stain in G.M.	2808	90.6	92.6	27.61	28.22	2.0	0.61	0.20	0.14	0.04
92.6- 93.05	28.22- 28.36	VEIN Quartz vein approx 70° to core Approx. 25% sulphides Sulphides - approx 50% sphalerite - approx 40% Tetrahedrite - approx 10% Galena Traces Chalcopyrite NATIVE Ag. in pods up to 3 mm long. Ag. commonly associated with chalco.	2809	92.6	93.05	28.22	28.36	0.45	0.14	2.26	0.02	0.04
93.05- 93.5	28.36- 28.50	ALTERATION ZONE Moderate prop. alt. Epidote green alt.	2810	93.05	94.6	28.36	28.83	1.55	0.47	1.02	0.01	0.01
93.5- 107.2	28.50- 32.56	GRANITE PPY. Fresh granite										



INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (INTERVALS IN FEET)	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS
107.2-107.6	32.67-32.80	ALTERED GRANITE - Shear Zone - chloritic, ground							
107.6-108	32.80-32.92	GRANITE PPY - E.O.H.							

PROPERTY: Little Tim
LOGGED BY: Gordon Allen
DATE LOGGED: March 7/81
DATE COLLARED:
DATE COMPLETED:

HOLE: 3-12(2074-12)
LOCATION: 16+50E
AZIMUTH: 340.5°
DIP AT COLLAR: -22.0°
DEPTH: 99.0'/30.18m

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(%)
0-17.2	0-5.24	ALTERED GRANITE PPY Moderate prop. alt. of plag. and chloritic alt. of mafics. Plag. dark green to epidote colored. 6.5-7.5 - Silicified										
17.2-51.5	5.24-15.70	GRANITE PPY. K-spar phenos approx. 30%.										
51.5-52.5	15.70-16.00	ALTERATION AND VEIN Moderate propyltitic alteration of plag. 51.8-51.9 (approx 60° to core) Quartz vein Limonite along fractures. Trace Galena.	2802	51.5	52.5	15.70	16.00	1.0	0.30	0.17	0.02	0.02
52.5-64.8	16.00-19.75	GRANITE PORPHYRY Fresh granite ppy. 63.4-63.8 - Silicified shear zone and associated prop. alteration.										
64.8-65.4	19.75-19.93	ALTERATION AND VEIN ZONE Propyltitic alteration around 1 cm. qtz. vein at 60° to core.	2803	64.8	65.4	19.75	19.93	0.6	0.18	0.02	Less than 0.01	0.01
65.4-67.6	19.93-20.60	WEAKLY ALTERED GRANITE PPY Weak propyltitic alt. of plag. (greenish gray)										
67.6-69.2	20.60-21.09	ALTERATION ZONE Moderate prop. alt.	2804	67.6	69.9	20.6	21.31	2.3	0.71	0.02	Less than 0.01	0.01
69.2-69.3	21.09-21.12	VEIN Barren white qtz. at approx 75° to core axis.										

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	(%)
69.3- 69.9	21.12- 21.31	ALTERATION ZONE Mod. prop. alt.										
69.9- 74.2	21.31- 22.62	GRANITE PPY. Weakly altered to fresh granite										
74.2- 75.5	22.62- 23.01	ALTERED GRANITE Moderate prop. alt.										
75.5- 93.0	23.01- 28.35	GRANITE PPY Weakly altered to fresh granite ppy. K-spar - 10 - 25%										
93.0- 93.8	28.35- 28.59	ALTERATION ZONE Weak to moderate prop. alt.	2805	93.0	93.8	28.35	28.59	0.5	0.24	0.31	0.01	0.02
93.8- 94.3	28.59- 28.74	VEIN Quartz vein approx 50% sulphide. Predom. tetrahedrite. Sphalirite & Galena in lesser quantities. ruggy	2806	93.8	94.3	28.59	28.74	0.5	0.15	66.40	27.63	12.50
94.3- 95.2	28.74- 29.02	ALTERATION ZONE Weak prop. alt.	2807	94.3	97.3	28.74	29.66	3.0	0.92	2.82	0.02	0.01
95.2- 99.0	29.02- 30.18	GRANITE PPY Weakly altered to fresh granite ppy. E.O.H.										

PROPERTY: Little Tim
LOGGED BY: Gordon Allen
DATE LOGGED: March 7, 1981
DATE COLLARED:
DATE COMPLETED:

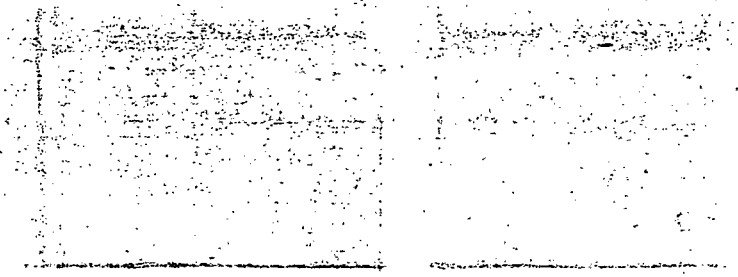
HOLE: 3-13(2074-13)
LOCATION: 16+50e
AZIMUTH: 340.5°
DIP AT COLLAR: -45.5°
DEPTH: 168'/51.21m

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.(%)
0-32	0-9.75	ALTERED GRANITE PORPHYRY 0-11.8'-Core fractured with limonitic coatings on fracture surfaces. K-spar phenocrysts 10-30%, pink, up to 3 cm. in lenght. Groundmass-medium grained, Plagioclase attend to pale greenish-gray. Weak Propyllitic alteration and mafics partly altered to chlorite. 11.8 - 13.2 - Strong propyllitic alteration of groundmass to dark green. K-spar still pink. 13.2-13.9 - Pil fresh looking granite ppy. 13.9-16.4 - Strong propyllitic alteration of G.M. feldspars to dark or epidate green color. 16.4-28.7 - Plagioclase in G.M. bleached to a (mafics to siricite) pale greenish-white K-spar Phenoe 20-25%. (Plagioclase-argillic alteration?)Plag. crystals very soft 28.7-30.8 - Strong prop. alt. of plag. to dark green. Plag. still hard. K-spar phenos 40-60%. 30.8-32.0 - Mod. prop. alt. of plag.										
32.0-48.8	9.75-14.87	FRESH GRANITE PORPHYRY Pink K-Spar phenos av. approx 2.5 cm. in length. 25-30% of rocks. Medium grained groundmass. CI approx. 10-15 Hb greater than Bi. Qtz. approx 15-20% Plag. approx 40%. F in limonite stained fractures.										

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS
48.8- 51.3	14.87- 15.64	Abrupt change to strong prop. and angillic alt of plag. (Dark green to update green-soft.)							
51.3- 71.4	15.64- 21.76	FRESH GRANITE PPY. Few limonite stained fractures predom. approx 45° to core. 61.8-62.5- Prop. alt of plag. to update grain. 5 mm silicified shear at 62.' at 60° to core axis. 63.4-65.8- Prop. alt. of plag. 5 mm silic. lim hitic shear at 63.6 at 70° to core 64.2-64.5- Plag & k-spar limonite stained. 65-65.6 - core broken along limonitic fracture at approx 15° to core							
71.4- 77.0	21.76- 23.45	ALTERED GRANITE Prop. alt. of plag. Mafics to chlorite, Lim. stained fractures.							
77.0- 78.9	23.45- 24.05	APLITE DYKE Approx. 15° to core.							
78.9- 97.8	24.05- 29.81	FRESH GRANITE							
97.8- 99.0	29.81- 30.18	Fine grained, dark gray to black, Diabase dyke(?) intrusion? Contains some vague light patches of granite 2-3 cm. in diametre. -Contact at 97.8-sharp at 45° to core. -Contact at 99.9-irregular and indistinct. Seems							
99.0- 110.3	30.18- 30.57	DIORITIC phase of above. Diabase seem to be breaking up into diorite. Med. grained.							
110.3-	30.57-	FRESH GRANITE							

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag/oz	Ton	%	Zn%
102.- 103.2	31.09- 31.46	MED. GRAINED DIORITIC DYKE approx. 10% qtz. CI approx. 30 Contact at 102 approx sharp at 5° 103.2 approx sharp at 10°											
103.2- 104.3	31.09- 31.79	GRANITE PPY Relatively fresh, approx. 104' plag. bleached white.											
104.3- 108.5	31.79- 33.07	DIABASE With few dioritic phases intruding. Contact at 104.3 - sharp at 30°											
108.5- 109.0	33.07- 33.22	FRACTURED, SILICIFIED, DIABASE	2811	108.5	109.0	33.07	33.22	0.5	0.15	0.28		0.02	0.02
109- 109.4	33.22- 33.35	VEIN ZONE 1.5 cm. quartz vein at 109.0 at approx. 30° to core. 4.5 cm. (true width) quartz vein at 109.3 at approx 50° to core. = 2nd vein contains bodies of galena up to 2 mm and sphalirite up to 5 mm. Total sulphides approx. 5%.	2812	109.0	109.4	33.22	33.35	0.4	0.13	5.80		0.71	0.84
109.4- 112.5	33.35- 34.29	ALTERATION ZONE Strong prop. alt. K-spar phenos greenish-gray. 112' - 3 cm gouge zone at 35° to core. 112'-112.5 - Weakly alt. granite ppy.	2813	109.4	112.5	33.35	34.29	3.1	0.94	0.45		0.05	0.06
112.5- 130.6	34.29- 39.81	FRESH GRANITE Some small F.G. Mafic phases.											
130.6- 136.2	39.81 41.51	DIKE (INCLUSION?) 130.6 Contact 40° to core. No attention zone. Fine to med. gn. int. Hb & plag. almost exclusively Gabbro (CI approx. 30)											
136.2 143.4	41.51- 43.71	GRANITE PPY Fresh											



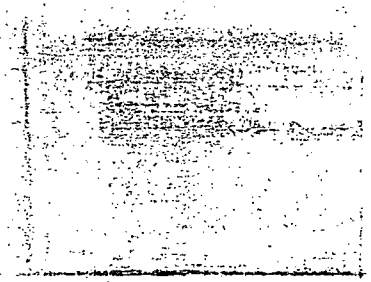
INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS
143.4-144.6	43.71-44.07	ALTERED GRANITE Moderate to strong prop. alt. K-spar alt. to dark green or gray.							
144.6-151.2	44.07-46.09	GRANITE PPY							
151.2-164.5	46.09-50.14	INTRUSIVE (INCLUSION?) 2 phases of intrusive. First phase, dark, fine to med. gn. gabbro/diabase as 130.6-131.2. Dike cut by bss. mafic, med. gn. phase. These may be drill margine and small dibro of main granite - Few 1 cm. K-spar phenos contained.							
114.5-168	50.14-51.21	GRANITE PPY Fresh E.O.H.							

PROPERTY: Little Tim]
LOGGED BY: Gordon Allen
DATE LOGGED: March 11/81
DATE COLLARED:
DATE COMPLETED:

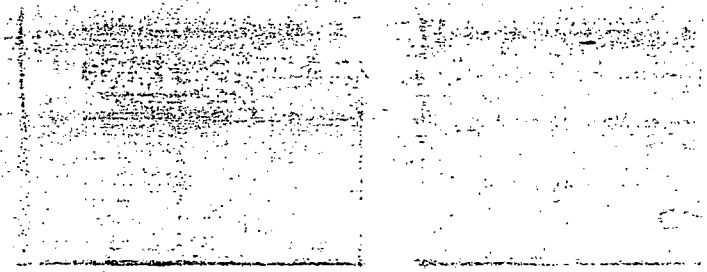
HOLE: 3-14(2074-14)
LOCATION: 16+50e
AZIMUTH: 160.0°
DIP AT COLLAR: +00.5°
DEPTH: 203' / 61.87m

DIP TESTS
° AT 203'
° 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 %
0-10.6	0- 3.23	GRANITE PPY. Ril, fresh granite, Minor weak prop. alt.										
10.6- 19.7	3.23- 6.00	ALTERED GRANITE Weak to moderate prop. alteration.										
19.7- 20.0	6.00- 6.10	GRANITE PPY. Ril, fresh granite										
20.0- 21.0	6.10- 6.40	ALTERED GRANITE Moderate propyllitic alteration.										
21.0- 22.1	6.40- 6.74	GRANITE PPY. Ril. fresh granite. K-spar phenos approx. 30%.										Less than 0.01
22.1 - 23.0	6.74- 7.01	VEIN AND ALTERATION ZONE Moderate prop. alt. around 1 cm. qtz. vein at 22.6 - White qtz. 1 cm. 40° to core Weak Lim. stain.	2801	22.1	23.0	6.74	7.01	0.9	0.27	0.04	0.01	0.01
23.0- 32.3	7.01- 9.85	GRANITE PPY. Fresh granite 23.0-23.4 Granite Pegmatite.										
32.3- 33.6	9.85- 10.24	ALTERATION ZONE Moderate prop. alt.										
33.6- 48.5	10.24- 14.78	DIKE Hb- Beld. porphyritic diabase										
48.5- 52.3	14.78- 15.94	GRANITE PPY. Ril. fresh granite ppy.										
52.3- 53.4	15.94- 15.28	ALTERED GRANITE Moderate prop. alt. Plag to darkgreen.										



INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals in [illegible])	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	[illegible] %		
53.4- 54.8	15.28- 16.70	GRANITE PPY.												
54.8- 70.5	16.70- 21.49	ALTERED GRANITE Plag. bleached to pale greenish white, K-spar to gray. Plag. soft. Few quartz stringers.												
70.5- 71.8	21.49- 21.88	LIMONITIC ALTERATION ZONE Mod. to strong limonitic staining of granite. Limonite massive in G.M. and along closely spaced hairline fractures (+ 1 mm) through K-spar phenos.	2824	70.5	71.7	21.49	21.88	1.2	0.38	<0.02	<0.01	<0.01		
71.8 72.1	21.88- 21.98	VEIN Barren white qtz. Vuggy. fractured. Limonitic stain in vugs and along fractures.	2825	71.8	72.1	21.88	21.98	0.3	0.1	<0.02	<0.01	<0.01		
72.1- 72.9	21.98- 22.22	ALTERATION ZONE Some Qtz. filled briccia. Alt. as 70.5-71.7	2826	72.1	72.9	21.98	22.22	0.8	0.24	<0.02	<0.01	<0.01		
72.9- 77.0	22.22- 23.47	ALTERED GRANITE Au 54.8-70.5												
77.0- 77.8	23.47- 23.71	GRANITE PPY.												
77.8- 78.2	23.71- 23.84	ALTERED GRANITE Prop. alt. granite. Plag. epidote green.												
78.2- 79.3	23.84- 24.17	GRANITE PPY. Fresh granite												
79.3- 86.0	24.17- 26.21	ALTERED GRANITE Plag. altered to light eqidote green color. K-spar white to gray.	2873	85.4	86.0	26.03	26.21	0.6	0.18	0.03	<0.01	<0.01		
86.0- 86.6	26.21- 26.40	ALTERATION ZONE Contact 38° to core-Strong limonitic stain of above prop. alt. granite	2874	86.0	86.6	26.21	26.40	0.6	0.19	<0.02	<0.01	<0.01		
86.6- 87.0	26.40- 26.52	VEIN Vuggy barren white quartz. Fractured core.	2875	86.6	87.0	26.40	26.52	0.4	0.12	0.02	<0.01	<0.01		



INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (INTERVALS IN	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb%	n%
87.0- 89.4	26.52- 27.25	ALTERATION ZONE See 86.0 - 86.6 Fractured Core.	2876	87.0	89.4	26.52	27.25	2.4	0.73	0.02	<0.01	<0.01
89.4- 90.9	27.25- 27.71	GRANITE PPY. Fresh to weak prop. alt.										
90.9- 91.3	27.71- 27.83	ALTERED GRANITE Mod. prop. alt.										
91.3- 92.9	27.83- 28.32	ALTERED GRANITE Strong limonitic stain in above rack type. Fractured core.										
92.9- 94.9	28.32- 28.93	ALTERED GRANITE Weak prop. alt.										
94.9- 97.5	28.93- 29.72	GRANITE PPY. Fresh Granite.										
97.5- 99.2	29.72- 30.24	ALTERED GRANITE Mod. prop. alt.										
99.2- 102.9	30.24- 31.36	GRANITE PPY. Fresh Granite										
102.9- 108.0	31.36- 32.92	ALTERED GRANITE Weak to mod. prop. alt.	2877	106.2	108.0	32.37	32.92	1.8	0.55	0.03	<0.01	0.01
108.0- 108.6	32.92- 33.10	ALTERATION ZONE Limonite stained prop. alt. granite	2878	108.0	108.6	32.92	33.10	0.6	0.18	0.02	<0.01	<0.01
108.6- 109.5	33.10- 33.38	VEIN ZONE Barren vuggy quartz veins (2, approx 15 cm. each) with altered granite between.	2879	108.6	109.5	33.10	33.38	0.9	0.28	0.02	<0.01	<0.01
109.5- 110.2	33.38- 33.59	ALTERATION ZONE Limonitic stained, prop. alt. F.G. intrusive	2880	109.5	110.2	33.38	33.59	0.7	0.21	0.04	<0.01	<0.01
110.2- 110.6	33.59- 33.71	ALTERED F.G. INTRUSIVE Prop. alt. F.G. Granite (?)										

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (INTERVALS IN [illegible])	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS
110.6- 114.3	33.71- 34.84	DIABASE (DIORITE?) Med. to fine gn. Hb, plag predom. Small bleached out zones.							
114.3- 114.8	34.84- 34.99	DIORITE(?) GRANITE (?) Fine to med. gn. intrusive. CI approx. 10.							
114.8- 118.2	34.99- 36.03	GRANITE PPY. Pegmatitic parts up to 20 cm.							
118.2- 119.6	36.03- 36.45	ALTERED GRANITE Limonite stained prop. altered granite. Limonite strong along hairline fractures at 30° to core axis.							
119.6- 132.5	36.45- 40.39	GRANITE PPY. Approx. fresh granite. Some Limonite stained parts.							
132.5- 133.5	40.39- 40.69	ALTERATION ZONE Propyllitic, argillic alt. around shear at 30° to core. Core crumbly.							
113.5 179.2	40.69- 54.62	GRANITE PPY. Fresh Granite							
179.2- 181.2	54.62- 55.23	ALTERED GRANITE Strong prop. alt. No vein in shear.							
181.2- 186.7	55.23- 56.91	GRANITE PPY. Fresh granite							
186.7- 187.7	56.91- 57.21	ALTERED GRANITE Core fractured, strong limonitic alt.							
187.7- 203.0	57.21 -61.87	GRANITE PPY. Fresh granite E.O.H.							

PROPERTY: Little Tim
LOGGED BY: Gordon Allen
DATE LOGGED: March 7/81
DATE COLLARED:
DATE COMPLETED:

HOLE NO: 3-15
LOCATION: 16+40E
AZIMUTH: 329°
DIP AT COLLAR: -12°
DEPTH: 123"/37.49m

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(%)
0-14.7	0-4.48	GRANITE PORPHYRY. Fresh to weakly propyllitic granite. 0-2' - fractured core limonitic										
14.7-17.6	4.48-5.36	ALTERED GRANITE. Strong propyllitic & chloritic alteration of plagioclase. K-spar phenos altered to dark green. Some limonite staining strong silification for 0.2' at 15.5'	2819	14.7	17.6	4.48	5.36	2.9	0.88	0.04	0.03	0.04
17.6-18.9	5.36-5.76	GRANITE PPY. Fresh to weakly altered granite.	2884	18.9	21.9	5.76	6.68	3.0	0.92	0.03	0.01	0.02
18.9-20	5.76-6.10	ALTERED GRANITE. Prop. alt. granite.										
20-21	6.10-6.40	GRANITE PPY										
21-21.9	6.40-6.68	ALTERED GRANITE. Prop. altered granite. Broken core. Silicified over approx 0.1' at 21.8'. Limonite stain.										
21.9-106.0	6.68-32.31	GRANITE PORPHYRY. Fresh granite. K-spar phenos 20-40%. 90-91.7 - Pegmatitic. 102.2-102.8 - Prop. alt..05' quartz vein at 102.5	2820	102.2	102.8	31.15	31.31	0.6	0.18	0.03	0.01	0.01

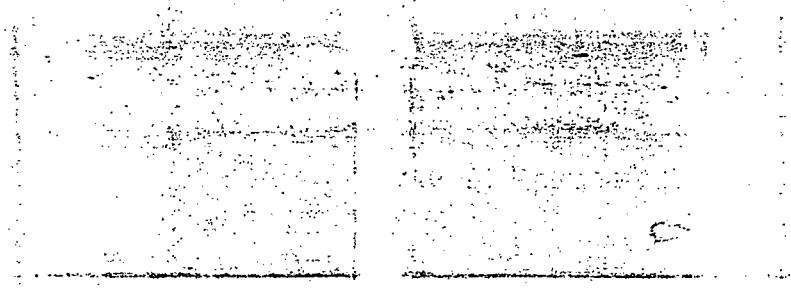
INTERVAL (FT)	INTERVAL (METERS)	DESCRIPTION (intervals in fe	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb(%)	(%)
106.0-107.5	32.31-32.77	ALTERATION ZONE Moderate prop. alt. of plag. 107.1-107.5-strong prop alt. Broken core.	2821	106.0	107.5	32.31	32.77	1.5	0.46	0.07	0.01	0.02
107.5-107.8	32.77-32.86	VEIN Vuggy composite quartz vein. 1-2% galena. Vein at approx 85° to core.	2822	107.5	107.8	32.77	32.86	0.3	0.09	0.20	0.36	0.24
107.8-110.7	32.86-33.74	ALTERATION ZONE Moderate prop.,chloritic alteration of granite	2823	107.8	110.0	32.86	33.74	2.2	0.88	0.02	<0.01	<0.01
110.7-111.6	33.74-34.02	GRANITE PPY.										
111.6-112.1	34.02-34.17	ALTERED GRANITE PPY. Prop. alt. with limonite stained shear at 111.9 (20° to core)										
112.1-123	34.17-37.49	GRANITE PPY 19.8-123 K-spar phenos approx 80%.										

PROPERTY: Little Tim
LOGGED BY: Gordon Allen
DATE LOGGED: March 7, 1981
DATE COLLARED:
DATE COMPLETED:

HOLE: 3-16(2074-16
LOCATION: 16+40e
AZIMUTH: 329.0°
DIP AT COLLAR: -24°
DEPTH: 123'/37.49m

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(%)
0-16.7	0-5.09	GRANITE PORPHYRY Fresh granite- K-spar phenos 10-40% 13.2 Silicified shear with approx. 0.2' prop. alteration on each side, lim. stain										
16.7-18.3	5.09-5.58	ALTERED GRANITE PPY Strong propyllitic, angillic alteration. K-spar grayish-green. Broken core. 18.0' - 0.05' quartz vein at approx 70° to core. Barren	2814	16.7	18.3	5.09	5.58	1.6	0.49	0.10	0.05	0.05
18.3-99.4	5.58-30.30	GRANITE PPY Fresh to weakly propyllitic granite. K-spar phenos approx. 30% (20%-50%) 78.5-79.0 - Granite pegmatite.										
99.4-101.1	30.30-30.82	ALTERED GRANITE PPY. Moderate propyllitic alteration. Lim. stained fractures.										
101.1-106.4	30.82-32.43	GRANITE PPY Relatively fresh granite ppy.										
106.4-108.7	32.43-33.13	ALTERATION ZONE Dark green granite ppy. Moderate to strong prop. alteration. Mafics chloritized. K-spar altered to dark green. 107.7 - 107.8 - Quartz Vein, Weak limonite staining. Traces galena? Vein approx 80% to core.	2815	106.4	108.7	32.43	33.13	2.3	0.70	0.08	0.02	0.04
108.7-108.9	33.13-33.19	VEIN White quartz. Layered quartz crystals visible. 70° to core axis. Sphalirite & Galena approx. 1%.	2816	108.7	108.9	33.13	33.71	1.7	0.52	0.11	0.32	0.28



INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals in f	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb(%)	(%)
108.9-110.6	33.19-33.71	ALTERATION ZONE	28.17	108.9	110.6	33.19	33.71	1.7	0.52	<0.02	<0.01	0.01
		Moderate to strong prop. alt. Plagioclase dark green to epidote green. K-spar pink.	28.18	110.6	111.4	33.71	33.95	0.8	0.24	<0.02	<0.01	<0.01
110.6-123	33.71-37.49	GRANITE PPY										
		Relatively fresh looking granite.										
		E.O.H.										

PROPERTY: Little Tim
LOGGED BY: G. Allen
DATE LOGGED: March 13/81
DATE COLLARED:
DATE COMPLETED:

HOLE: 3-17(2074-17)
LOCATION: 16+40e
AZIMUTH: 329.0°
DIP AT COLLAR: -34.0°
DEPTH: 119'/36.27m

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%
0-17.4	0-5.30	GRANITE PPY										
17.4-18.4	5.30-5.61	ALTERATION ZONE Strong epidote colonation around small shear zones.	2885	17.4	18.4	5.30	5.61	1.0	0.31	0.04	0.02	0.02
18.4-79.3	5.61-24.32	GRANITE PPY Fresh Granite										
79.3-82.2	24.32-25.05	ALTERED GRANITE Mod. prop. alt. Fractures core.										
82.2-108.0	25.05-32.92	GRANITE PPY Fresh to weakly altered granite										
108.0-111.1	32.92-33.86	ALTERATION ZONE Mod. to strong prop. alt. core fractures. Some ~~quartz~~ quartz filled breccia (110.2 - 110.4)	2881	108.0	111.1	32.92	33.86	2.1	0.94	0.05	0.02	0.02
111.1-112.0	33.86-34.14	VEIN White quartz - Traces Gl, Sp, Vein at aprox. 85° to core axis.	2882	111.1	112.0	33.86	34.86	0.9	0.28	0.07	0.03	0.31
112.0-113.8	34.14-34.69	ALTERATION ZONE Weak to mod. prop. alt.	2883	112.0	113.0	34.14	34.69	1.0	0.54	<0.02	0.01	0.01
113.8-117.6	34.69-35.84	GRANITE PPY Fresh granite										
117.6-119	35.84-36.27	ALTERED GRANITE Weak to mod. prop. alt.										

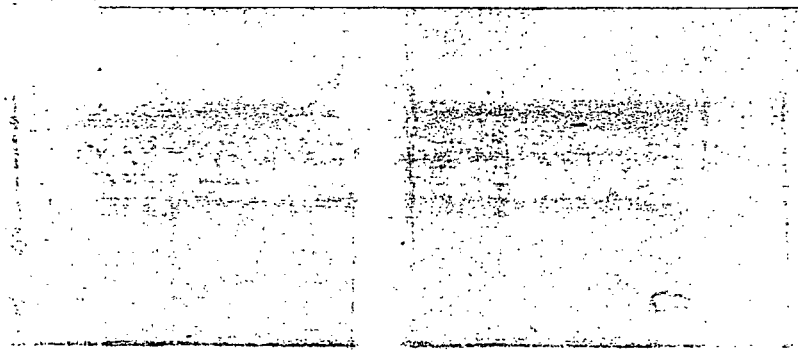
PROPERTY: Little Tim
LOGGED BY: T. Henneberry
DATE LOGGED: April 1/81
DATE COLLARED:
DATE COMPLETED:

HOLE: 3-18
LOCATION: 16+40 e
AZIMUTH: 144.5°
DIP AT COLLAR: +57.0°
DEPTH: 65.0ft. or 19.81m

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
0-27.9	0-8.50	GRANITE PPY Fresh granite composed of 30% k-feldspar predominantly as phenocrysts (Less than 4 cm), 30 % quartz, 25 - 30% plagioclase and 10 - 15% mafics. 20% of the fractures show weak to moderate prop. alt. and moderate limonite stain Throughout this zone there is an increase to 1-2% (Locally to 10%) of matrix k-feldspar.										
27.9-30.8	8.50-9.39	ALTERED GRANITE This zone shows weak prop. alt. and a marked increase to 10% (locally to 20%) of matrix k-feldspar. There is a major vertical (to core) fracture running throughout most of the unit.	2464	27.9	30.8	8.50	9.39	2.9	0.88	3.82	Tr	.01
30.8-47.6	9.39-14.51	GRANITE PPY Fresh granite with 1 - 2% matrix k-feldspar. 20% of fractures show moderate prop. alt. and mod. limonite stain. There is a zone of moderate prop. alt. from 45.5 - 46.3 ft.	2465	45.5	46.3	13.87	14.11	0.8	0.24	.04	.02	.03
47.6-48.4	14.51-14.75	ALTERATION ZONE Zone of moderate prop. alt. and weak argillic alt. fractures show strong limonite stain.	2466	47.6	48.4	14.51	14.75	0.8	0.24	.02	.02	.02
48.4-49.9	14.75-15.21	VEIN Solid to fractures quartz showing moderate limonite stain. The vein is at 80° to core and shows 5% sulfides as sp and gl.	2467	48.4	49.9	14.75	15.21	1.5	0.46	3.86	.86	.29
49.9-51.0	15.21-15.54	ALTERATION ZONE Strong to moderate prop. alt. Weak argillic alt. limonite stain along fractures.	2468	49.9	51.0	15.21	15.54	1.1	0.34	.16	.06	.05
51.0-56.2	15.54-17.13	GRANITE PPY Shows weak prop alt. strong limonite stain										

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	[illegible]		
		along 50% of fractures. The k-feldspar content is 1 - 2 % (Locally to 5%)												
56.2-57.7	17.13-17.59	ALTERED GRANITE Zone of moderate prop. alt., weak argillic alt. Unmineralized quartz stringer a 20° to core at 57.0 ft.	2469	56.2	57.7	17.13	17.59	1.5	0.46	.06	.02	.01		
57.7-65.0	17.59-19.81	GRANITE PPY Shows weak prop. alt., strong limonite along 40% of fractures. The k-feldspar content is 1 - 2% (locally to 10%)												
		65.0 ft. E.O.H. 19.81m												



PROPERTY: Little Tim
LOGGED BY: T. Henneberry
DATE LOGGED: March 29/81
DATE COLLARED:
DATE COMPLETED:

HOLE: 3-19
LOCATION: 16+40e
AZIMUTH: 165.5°
DIP AT COLLAR: +19.8
DEPTH: 67 ft or 20.42m

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
0-39.8	0-12.13	GRANITE PPY Fresh to weakly prop. altered granite composed of 30% K-feldspar (predominantly as phenocrysts less than 4 cm) 30% Quartz, 25-30% Plagioclase, and 10-15% mafics. There is a zone of K-feldspar phenocryst enrichment from 8-13.5 ft. About 20% of the fractures carry weak to moderate prop. alt. and a minor limonite stain.										
39.8-40.3	12.13-12.28	ALTERED GRANITE Moderate prop. alt. weak limonite stain Zone shows a medium green color.	2410	39.8	40.3	12.13	12.28	0.5	0.15	.06	.02	.01
40.3-45.6	12.28-13.90	GRANITE PPY Fresh to weakly prop. alt. granite. Much of this horizon shows a K-feldspar content of 5-15% within the matrix.										
45.6-50.0	13.90-15.24	ALTERED GRANITE Moderate to strong prop. alt. Much of this horizon is composed of 40 - 60% K-feldspar pheno crysts.	2411	45.6	50.0	13.90	15.24	4.4	1.34	.12	.02	.01
50,0-51.0	15.24-15.54	GRANITE PPY Fresh to weakly prop. altered granite										
51.0-53.3	15.54-16.25	ALTERATION ZONE Moderate to strong prop. alt. some (15%) of plagioclase shows argillic alt.	2412	51.0	53.3	15.54	16.25	2.3	0.70	.02	.04	.01
53.3-53.5	16.25-16.31	VEIN Solid white quartz at 60° to core. Minor sulfide with some visible tetrahedrite(?) or chalcopyrite	2413	53.3	53.5	16.25	16.31	0.2	0.60	.01	.04	.04

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
53.5-55.0	16.31-16.76	ALTERATION ZONE Zone of intense prop. alt. Dark chlorite green	2414	53.5	55.0	16.31	16.76	1.5	0.46	.08	.16	.08
55.0-55.3	16.76 16.86	VEIN Solid white quartz at 50° to core. Moderate sulfides with some visible tetrahedrite (?) or chalcopyrite	2415	55.0	55.3	16.76	16.86	0.3	0.09	23.46	3.68	.28
55.3-56.3	16.86-17.16	ALTERATION ZONE Strong to moderate prop. alt. 10% of plagioclase shows argillic alt. There is an unmineralized quartz stringer of 1 cm. at 55.9 ft. at 20° to core.	2416	55.3	56.3	16.86	17.16	1.0	0.30	.08	.06	.03
56.3-67.0	17.16-20.42	GRANITE PPY Fresh to weakly prop. alt. granite. There is a zone of increased K-feldspar phenocrysts from 56.3 to 58.3 ft. The granite here also shows K-feldspar of 10 - 15% in the matrix.										
		67 ft. E.O.H. 20.42 m										

PROPERTY: Little Tim
LOGGED BY: G. Allen
DATE LOGGED: April 10/81
DATE COLLARED:
DATE COMPLETED:

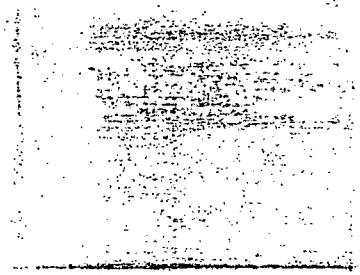
HOLE #: 3-20 (on drill plan originally 3-21)
LOCATION: 16+40e
AZIMUTH: 183.5°
DIP AT COLLAR: +02.0°
DEPTH: 110ft/33.53m

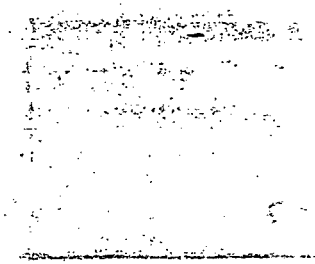
DIP TESTS
° AT ,
° AT ,
° AT ,

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- 8.2	0- 2.50	GRANITE PPY Aprox. 30% Euhedral K-spar phenos. up to 3 cm in length. - 10% Mafics Hb Bi -20% Quartz Med gn. -40% Plagioclase -8.0 - 8.2 Weak propyllitic alt. of plagioclase feldspar										
8.2- 20.8	2.50- 6.34	Hb PORPHYRY DYKE - 1.4 ground core Fine grained dark gray groundmass Aprox. 20% Hb phenocrysts 2-3mm in length. Moderate pervasive chloritic alteration of mafics. Core highly fractures (bloclay) at aprox 70° to core Contact with granite at 20.8' at 65° to core.										
20.8- 57.8	6.34- 17.62	GRANITE PPY Fresh Granite 41.8 - 42.4 - 5mm quartz stringer with moderate propylytic alt. of plagioclase & chloritic alteration of mafics. Vein at 32° to core. 44.8-45.2 - As above 50.0-50.6 - 1 cm. quartz vein. As above 51.6-52.2 - Fine grained gray aplite (45° to core) 54.6-55.0 - Mod. prop. alt. Hairline fractures set at aprox. 30% to core. 56.1-57.1 - Q.V. (1cm) at 56.7 at 40° to core. ~~57/8-58/8~~	2489	50.0	50.6	15.24	15.42	0.6	0.22			
			2490	56.1	57.1	17.10	17.40	1.0	0.30	.04	.02	.01
57.8- 58.8	17.62- 17.92	SHEAR ZONE Crumbly core. Moderate propyllitic, argillic alt. Shear at 10° to core.	2491	57.8	58.8	17.62	17.92	1.0	0.30	.08	Tr	.01

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	n
58.8- 63.5	17.92- 19.35	GRANITE PPY										
63.5- 64.4	19.35- 19.63	SHEAR ZONE Crumbly core. Mod. prop., chlor. alt. Shear at aprox. 30° to core (?)	2492	63.5	64.4	19.35	19.63		0.28	.06	Tr	.01
64.4- 64.9	19.63- 19.78	GRANITE PPY										
64.9- 73.3	19.78- 22.34	ALTERATION AND SHEAR ZONE Moderate propyllitic alt. 65.8' - 66.5' - Crumbly core. strong argillic alteration.	2493 2494 2495	64.9 65.8 66.5	65.8 66.5 73.3	19.78 20.06 20.27	20.06 20.27 22.34	0.9 0.7 6.8	0.28 0.21 2.07	.08 .02 .02	Tr .02 .02	.01 .01 .01
73.3- 76.6	22.34- 23.35	GRANITE PPY -74.8 - 75.5' - mod. chloritic, propyllitic alt. 75.0 - 5mm Q.V. at 40° to core.										
76.6- 81.0	23.35 24.69	ALTERED GRANITE Moderate propyllitic alt. (Drill) (being deepened) Also moderate argillic alteration over last 2.0 feet.	2496	76.6	81.0	23.35	24.69	4.4	1.34	.04	.02	.01
81.0- 95.2	24.69- 29.02	ALTERED GRANITE Zone of moderate to intense limonite stains. which masks most of core. Core has vuggy appearance and seems to show moderate prop. alt. as well as moderate argillic alt. There is a quartz stringer at 87.0 ft. at 40° to core.										
95.2- 97.5	29.02- 29.72	SHEAR ZONE Zone of crumbly core and strong argillic alt.	2497	95.2	97.5	29.02	29.72	2.3	0.70	.04	.02	.01
97.5- 100.4	29.72- 30.60	ALTERED GRANITE Zone of moderate prop. alt., weak argillic alt. and weak limonite stain.										
100.4- 102.1	30.60- 31.12	ALTERED GRANITE Zone of intense limonite stain, blockycore, and moderate argillic alt.										

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET From	FEET To	METERS From	METERS To	WIDTH FEET	WIDTH METERS	Ag	Pb			
102.1-106.3	31.12-32.40	TRANSITION ZONE Zone of intertounging between the matic dyke and granite porphyry. The main dyke seems to cut the core at 30°. The mafic dyke shows moderate chloritic alteration, while the granite shows moderate prop. and argillic alt. and limonite stain.												
106.3-110.0	32.40-33.53	SHEAR ZONE Zone of crumbly core and strong argillic alt. and weak to moderate limonite stain. 110.0 ft. or 33.53m. E.O.H.	2498	106.3	110.0	32.40	33.53	3.7	1.13					





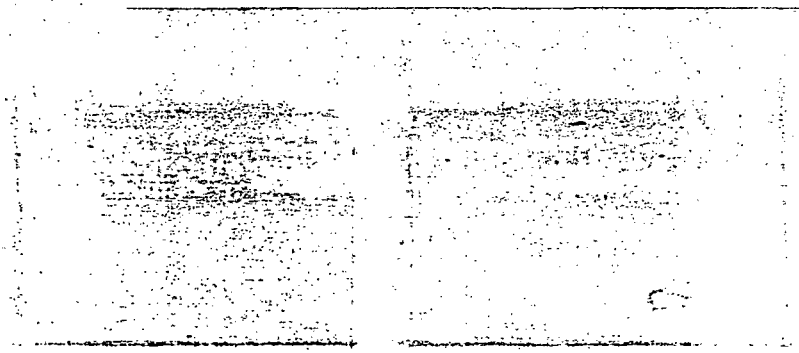
PROPERTY: Little Tim
LOGGED BY: T. Henneberry
DATE LOGGED: April 10/81
DATE COLLARED:
DATE COMPLETED:

HOLE: 3-21
LOCATION: 16+40e
AZIMUTH: 194.0°
DIP AT COLLAR: +01.0°
DEPTH: 76 ft. or 23.16m

DIP TESTS
° AT
° AT
° AT

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE NO.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS
0-9.9	0-3.02	GRANITE PORPHYRY Fresh granite composed of 30 k-feldspar (predominantly as phenocrysts; less than 4 cm), 35-40% plagioclase, 10 - 15% mafics and 20% quartz. There is usually 1 - 2% matrix k-feldspar. 10% of fractures show moderate prop. alt. and weak to moder moderate hematite.							
9.9-23.2	3.02-7.07	MAFIC DYKE at 80° to core. This dyke shows intense chloritization and moderate epidote along 60% of fractures most of the core in this zone has been moderately faactured.							
23.2-44.8	7.07-13.66	GRANITE PORPHYRY Fresh to weakly prop. altered granite. There is a marked increase to 5% of matrix k-feldspar throughout the zone. Only 2-3% of fractures show any alteration, although there are minor horizons of moderate prop. alt. associated with fractures at 35.4-35.6 ft, 36.6-36.9 ft, 39.0-39.7 ft. and 40.5- 40.8 ft.							
44.8-46.4	13.66-14.14	ALTERATION, DYKE ZONE Envelope of moderate prop alt. enclosing a felsicdyke (from 46.0-46.3 ft; at 55° to core) Of note here is the complete alteration of all mafics.							
46.4-51.3	14.14-15.64	GRANITE PORPHYRY Fresh Granite							
51.3-54.5	15.64-16.61	ALTERED GRANITE Moderate prop. alt. with all mafics completely altered as well. The color is a light pale green There is a 1 cm. quartz stringer at 54 ft. which is at 50° to core.							

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
54.5-55.9	16.61-17.04	ALTERED GRANITE Moderate argillic alteration. Mafics are still preserved.										
55.9-57.2	17.04-17.43	ALTERED GRANITE Moderate prop. alt. Zone is marked by an increase (50 50%) of k-feldspar phenocrysts.										
57.2-65.6	17.43-19.99	GRANITE PPY Fresh to weakly prop. altered granite. 10% of fractures show moderate prop. and/or argillic alt. There are two horizons of increased k-feldspar phenocrysts (to 70%); at 59.2-60.4 ft. and 62.2 - 63.1 ft. The last 1.5 ft. show weak prop. alt.										
65.6-68.1	19.99-20.76	ALTERATION ZONE Zone of moderate prop. and argillic alteration with all mafics and matrix feldspars being altered to silicified clays (?) and chlorite. There is alimonite stained fracture at 67.4 ft. The last (0.3 ft also show intense limonite)	2109	65.6	68.1	19.99	20.76	2.5	0.76	.04	.02	.04
68.1-68.7	20.76-20.94	VEIN Solid heavily limonite stained quartz at 85° to core. 1-2% visible sulfides (gl?)	2110	68.1	68.7	20.76	20.94	0.6	0.18	.62	.26	.15
68.7-70.9	20.94-21.61	ALTERATION ZONE Moderate prop. and argillic alt. Heavy limonite stain. There is a 2 ft. washout within this zone (shear zone?)	2111	63.7	70.9	20.94	21.61	2.2	0.67	.36	.06	.09
70.9-71.2	21.61-21.70	VEIN Pure solid white quartz at 50° to core. No visible mineralization	2112	70.9	71.2	21.61	21.70	0.3	0.09	.44	.02	.01
71.2-72.2	21.70-22.01	ALTERATION ZONE Moderate prop. and argillic alt.	2113	71.2	72.2	21.70	22.01	1.0	0.30	.18	.02	.01
72.2-76.0	22.01-23.16	GRANITE PPY Zone of heavily limonite stained granite with	2114	72.2	76.0	22.01	23.16	3.8	1.16	.12	.02	.01



INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS
		an increase (to 75%) of k-feldspar phenocrysts. There is a minor mafic stringer at 72.0-72.1 ft at 45° to core. There is a mafic dyke at 72.4-72.6 ft. at 90° to core. 76.0 ft. or 23.16m E.O.H.							

PROPERTY: Little Tim
LOGGED BY: T. Henneberry
DATE LOGGED: April 26/81
DATE COLLARED:
DATE COMPLETED: April 24/81

HOLE: 3-27
LOCATION: 16+90E
AZIMUTH: 325.0°
DIP AT COLLAR: -20.5°
DEPTH: 80ft/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
0- 19.2	0- 5.85	GRANITE PPY Fresh granite comprised of 30% k-feldspar (predominantly as phenocrysts; less than 4 cm) 15 - 20% quartz, 35-40% plagioclase and 10-15% mafics (biotite >> hornblende.) There is 0.5 feet of core missing in the first foot drilled, and the core that is present is moderately fractured. Also there is a small zone of moderate chloritic alt. from (1.0 - 1.4 feet) and from (4.1 - 4.4 feet). 10% of fractures show moderate hematite stain. The last 2.0 feet of the unit has a k-feldspar phenocryst content of 60%.							
19.2- 22.6	5.85- 6.89	ALTERED GRANITE Zone of moderate chloritic alt., showing hematite along. 30% of fractures. This zone also has a k-feldspar phenocryst. content of 60% There is an unmineralized calcite stringer of 1 cm at 20.4 feet at 20° to core.							
22.6- 32.5	6.89- 9.91	GRANITE PPY Fresh to weakly chloritically altered granite also showing a matrix k-feldspar % of 2 (locally 5%). There is a 0.7 feet zone of broken core at 26.9 feet. There is also a zone of mod. chloritic alt. at 27.8 - 29.0 ft. and a zone of 60% k-feldspar from 31.0 to 31.8 ft. 20% of fractures show moderate hematite stain and/or weak argillic alt.							
32.5- 33.7	9.91- 10.27	ALTERED GRANITE Zone of mod. chloritic alt. marked by 30% matrix k-feldspar. Also of note is intense hematite stain along cracks and fractures.							

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
33.7-38.8	10.27-11.83	GRANITE PPY Fresh granite with 1-2% matrix k-feldspar with minor horizon of weak chloritic alt. from 37.5 to 38.2m. 10% of fractures show hematite.										
38.8-39.7	11.83-12.10	ALTERED GRANITE Zone of moderate chloritic alt. marked by 30% matrix k-feldspar. Intense hematite along cracks and fractures can also be seen here.										
39.7-71.1	12.10-21.67	GRANITE PPY Fresh granite with 1-2% matrix k-feldspar. The first 2.0 ft. show weak chloritic alt. 20% of fractures show moderate chloritic alt., 20% show moderate limonite stain, and 5% show calcite.										
71.1-71.6	21.67-21.82	ALTERATION ZONE Moderate to intense chloritic alteration.		71.1	71.6	21.67	21.82	0.5	0.15	Tr	.04	.03
71.6-72.0	21.82-21.94	VEIN Solid, limonite stained quartz at 80° to core. No visible mineralization. Silicified granite also make up part of the vein.		71.6	72.0	21.82	21.94	0.4	0.12	.20	.04	.04
72.0-73.6	21.94-22.34	ALTERATION ZONE Intense chloritic alteration, also marked by moderate limonite staining over the first (0.8 feet). Weak epidote is also visible.		72.0	73.3	21.94	22.34	1.3	0.40	.26	Tr	.04
73.6-80.0	22.34-24.38	GRANITE PPY Fresh granite, with a minor (0.6 feet) zone of 70% k-feldspar phenocrysts at 77.8 feet. There is a horizon of weak chloritic alt. at 79.8 - 80.0 feet. (deepen?) 80.0 feet 24.38m - E.O.H.										

PROPERTY: Little Tim
LOGGED BY: T. Henneberry
DATE LOGGED: May 2/81
DATE COLLARED:
DATE COMPLETED: May 1/81

HOLE: 3-28
LOCATION: 16+90E
AZIMUTH: -328.5°
DIP AT COLLAR: -38.0°
DEPTH: 85ft/ 25.9 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- 15.8	0- 4.82	GRANITE PPY Predominantly fresh granite comprised of 25% K-feldspar (as phenocrysts; less than 4 cm), 35-40% plagioclase, 15-20% Quartz and 10-15% mafics (biotite greater than hornblende). The plagioclase shows very weak to moderate kaolinization. Mafics show very weak to moderate chloritization. 30% of fractures show moderate hematite. The first 0.2 feet show moderate chloritization with only the K-feldspar remaining fresh. There is a mafic stringer at 14.2 ft, and a pegmatite stringer at 13.2 ft.										
15.8- 16.6	4.82- 5.06	ALTERED GRANITE Zone of moderate chloritization in which the mafics are completely chloritized and the plagioclase shows strong chloritization/kaolinization. There is a 0.1 ft zone of ground core at 16.2ft.	37072	15.8	16.6	4.82	5.06	0.8	0.24	Tr	Tr	.01
16.6- 19.6	5.06- 5.97	GRANITE PPY Predominantly fresh granite, showing an increase in K-feldspar phenocrysts to 35%.										
19.6 - 22.7	5.97- 6.92	ALTERED GRANITE Zone of moderate chloritic/argillic alteration. Mafics are gone to chlorite and plagioclase is gone to kaolin. This zone is fairly friable. There is an unmineralized 1 cm Quartz stringer at 21.3 ft at 60° to core.	37073	19.6	22.7	5.97	6.92	3.1	0.94	Tr	Tr	.01
22.7- 28.8	6.92- 8.78	GRANITE PPY Fresh granite with the plagioclase showing very weak kaolinization. 20% of fractures show clays. 27.3 -28.5 ft has an increase to 60% of K-feldspar phenocrysts. There is a zone of broken core showing moderate argillic/chloritic alteration at 26.1 - 26.8 ft.	37074	26.1	26.8	7.95	8.16	0.7	0.21	Tr	Tr	.01

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals in)	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb			
28.8-34.5	8.78-10.52	ALTERED GRANITE Zone of moderate argillic/weak chloritic alteration, in which the plagioclase is completely kaolinized and the mafics are chloritized. Hematite is common along 50% of fractures. The zones from 31.6-32.3 ft and 33.7-34.5 are predominantly fresh granite. There is a mafic dyke from 33.6-33.9 ft.												
34.5-42.7	10.52-13.01	GRANITE PPY This horizon is composed of 90-100% K-feldspar. The 4-5% plagioclase that occurs is completely kaolinized. 20% of fractures show hematite and/or clays.												
42.7-79.9	13.01-24.35	GRANITE PPY Fresh to locally weakly chloritically altered granite. The granite shows very weak kaolinization. 20% of fractures show clays. There is a possible shear at 49.3 ft, showing moderate chloritic alteration and broken core. There is a second possible shear at 50.6 ft.												
79.9-82.5	24.35-25.15	ALTERATION ZONE Zone of strong chloritic alteration markedby chloritization of the mafics, plagioclase and K-feldspar. There has also been strong silification, and 20% of the plagioclase show kaolinization. 80% of the fractures show limonite. There is a 1 cm Quartz stringer at 82.1 ft at 60° to core (unmineralized).	37075	79.9	82.5	24.35	25.15	2.6	0.79	Tr	Tr	.01		
82.5-85.0	25.15 25.91	GRANITE PPY Fresh granite showing very weak kaolinization of 10% of the plagioclase. 50% of fractures show limonite. 85.0 ft EOH 25.91 m												

PROPERTY: Little Tim
LOGGED BY: T. Henneberry
DATE LOGGED: May 6/81
DATE COLLARED:
DATE COMPLETED: May 6/81

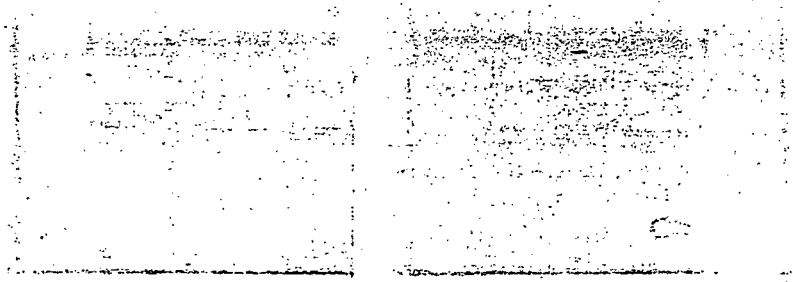
HOLE: 3-29
LOCATION: 16+90e
AZIMUTH: 332.0°
DIP AT COLLAR: -51.0°
DEPTH: 90 ft or 27.43 m

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
0.0-0.4	0.0-0.12	ALTERED GRANITE Zone of strong chloritic alteration in which the plagioclase and mafics are completely chloritized. The K-feldspar phenocrysts show partial chloritization. The fractures also show strong Chlorite.	2115	0.0	0.4	0.0	0.12	0.4	0.12	.00	.02	.02
0.4-20.8	0.12-6.34	GRANITE PPY Zone of fresh to weakly altered granite, with the plagioclase showing weak kaolinization and the mafics showing weak to moderate chlorite. There is 0-1% (locally to 5% matrix K-feldspar) 50% of fractures show hematite and/or chlorite. The granitic composition is 25% K-feldspar as phenocrysts(less than 4 cm). 35-40% plagioclase, 20% Quartz and 15% mafics (biotite greater than hematite).										
20.8-22.8	6.34 6.95	ALTERED GRANITE Zone of moderate chloritic alteration in which the mafics and plagioclase are respectively completely and moderately chlorified, but the K-feldspar remains fresh. The last 0.7 ft show an increase to 70% of K-feldspar. The first 0.2 ft are groun and show moderate argillic alteration.	2116	20.8	21.0	6.34	6.40	0.2	0.06	.23	.00	.00
22.8-25.7	6.95 7.83	ALTERED GRANITE Zone marked by moderate to weak argillic alteration, in which the plagioclase and the mafics show complete alteration to clays and chlorite. The zone from 23.3-24.0 ft is completely broken and ground although the Quartz and K-feldspar show no signs of rounding. There is a 1 cm carbonate stringer	2117	22.8	25.7	6.95	7.83	2.9	0.88	.23	.01	.01

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals in [illegible]t)	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	[illegible]n
		at 24.7 ft at 15° to core. The zone shows intense chlorite along 50% of fractures.										
25.7-28.0	7.83-8.53	ALTERED GRANITE Zone of moderate chloritic alteration in which the mafics are chloritized and the plagioclase shows weak kaolinite. Fractures show weak chlorite and/or hematite.										
28.0-31.0	8.53 9.45	ALTERED GRANITE Zone marked by moderate argillic alteration, in which the plagioclase and mafics show clays and chlorite. 30% of fractures show moderate hematite There are two zones of broken, crumbly core which show argillic alteration, but no rounding of the Quartz or K-feldspar. They are 28.2-28.5 ft and 29.6-30.8 ft. There is a 1 cm carbonate stringer at 5° to core at 27.5 - 28.3 ft.	2118	28.0	31.0	8.53	9.45	3.0	0.91	.06	.00	.00
31.0-33.4	9.45-10.18	ALTERED GRANITE Zone marked by weak chloritic alteration in which the mafics are chloritized and the plagioclase shows weak chlorite/kaolinite. There is 2% matrix K-feldspar, 40% pf fractures show hematite and/or chlorite.										
33.4-52.0	10.18-15.85	GRANITE PPY Fresh granite with 0-2% K-feldspar(matrix). 10% of fractures show hematite and/or chlorite. There is a zone of weak chloritic alteration from 41.7-42.6 ft. There are two zones of 90% K-feldspar which are : 1) 43.2-44.4 and 2) 50.1-52.0.										
52.0-67.7	15.85-20.63	MAFIC DYKE At 40° to core. The dyke shows moderate toweak chlorite and shows chlorite and/or hematite along fractures. There is a 1 cm carbonate stringer at 40° to core at 51.9 ft.										
67.7-90.0	20.63-27.43	GRANITE PPY Fresh granite with a 1 cm carbonate stringer at										

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION (Intervals in Feet)	SAMPLE No.	FEET From	FEET To	METERS From	METERS To	WIDTH FEET	WIDTH METERS
		86.4 ft at 40° to core. There is a possible shear(broken core) at 89.1-89.2 ft at 50° to core. 40% of fractures show hematite and/or chlorite. 90.0 ft EOH 27.43 m.							



PROPERTY: Little Tim
LOGGED BY: T. Henneberry
DATE LOGGED: April 16/81
DATE COLLARED:
DATE COMPLETED:

HOLE: 3-31
LOCATION: 16+90E
AZIMUTH: 154.0°
DIP AT COLLAR: +44.0°
DEPTH: 153 ft. or 46.63m

DIP TESTS
40.9° AT 153'
° 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- 39.1	0- 11.92	GRANITE PPY Fresh granite, composed of 30% k-feldspar (predominantly as phenocrysts; less than 4 cm) 35-40% plagioclase, 10-15% mafics and 20% quartz. The matrix contains 1-2% (locally to 5%) k-feldspar at the expense of plagioclase 20% of the fractures contain moderate prop. alt. and/or moderate hematite stain. There are a minor horizons of moderate prop. alt. at 9.5 to 9.9 feet and 33.2 - 35.0 feet.										
39.1- 40.9	11.92- 12.47	ALTERED GRANITE Zone of moderate prop. alt. Dark chlorite green color.										
40.9- 58.1	12.47- 17.71	GRANITE PPY Fresh to weakly prop. alt. granite, 30% of fractures show moderate prop. alt. and/or hematite stain.										
58.1- 60.8	17.71- 18.53	ALTERED GRANITE Zone of weak to moderate prop. alt. Also showing weak (locally moderate) argillic alt. Possible shear from 60.2 - 60.6 ft.	2499	60.2	60.6	18.35	18.47	0.4	0.12	.08	.02	.02
60.8- 65.0	18.53- 19.81	GRANITE PPY Fresh to weakly prop. alt. granite										
65.0- 68.0	19.81- 20.73	ALTERATION ZONE Weak to moderate prop. alt., moderate argillic alt. Heavy limonite stain over last foot of zone	2500	65.0	68.0	19.81	20.73	3.0	0.91	.06	.02	.01
68.0- 69.9	20.73- 21.31	VEIN Solid to weakly fractured limonite stained quartz at 80° to core. 1-2% sulfides(gl,sp)	2101	68.0	69.9	20.73	21.31	1.9	0.58	.66	.06	.04

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET From	FEET To	METERS From	METERS To	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
69.9- 71.7	21.31- 21.85	ALTERATION ZONE Moderate to weak prop. and argillic alt. Moderate limonite along fractures.	2102	69.9	71.7	21.31	21.85	1.8	0.55	.04	.02	.02
71.7- 94.6	21.85- 28.83	GRANITE PPY Fresh to weakly prop. altered granite with 1-2% matrix k-feldspar (locally to 7%) 15% of fractures show limonite stain. There is a 1.0 ft. zone of 70% k-feldspar phenocrysts at 74.8m and 2.5 ft. zone of 60% k-feldspar phenocrysts at 82.3m. There is a zone of crumbly core at 75.8 to 76.1 ft and at 77.8 to 78.0 ft.	2103	75.8	76.1	23.10	23.20	0.3	0.09	.02	.02	.01
			2104	77.8	78.0	23.71	23.77	0.2	0.06	.14	.02	.01
94.6- 96.0	28.83- 29.26	ALTERED GRANITE Zone of moderate prop. alt. and moderate limonite stain.										
96.0- 98.6	29.26- 30.05	GRANITE PPY Fresh granite										
98.6- 99.8	30.05- 30.42	ALTERED GRANITE Moderate prop. alt., weak limonite stain, weak argillic alt.										
99.8- 153.0	30.42- 46.63	GRANITE PPY Fresh to weakly prop. altered granite, with 1% (locally to 5%) matrix k-feldspar. There is a zone of increased k-feldspar phenocrysts (to 60%) from 101.0-102.4 ft. there is a mafic stringer from 102.4 to 102.6 ft at 70° to core. 40% of fractures carry moderate prop. alt. and/or leomatite or limonite stain. There is another mafics stringer at 113.5 ft at 20° to core. There are 4 zones of crumbly core: 1) at 113.0 to 113.3 ft, 2) 114.0-114.3 ft, 3)112.6 to 112.8 ft and 4) 133.0-133.3 ft. 153.0 ft or 46.63 m E.O.H.	2105	113.0	113.3	34.44	34.53	0.3	0.09	.16	Tr	.01
			2106	114.0	114.3	34.75	34.84	0.3	0.09	.28	Tr	.01
			2107	122.6	122.8	37.37	37.43	0.2	0.06	.04	Tr	.01
			2108	133.0	133.3	40.54	40.63	0.3	0.09	.26	.02	.01

PROPERTY: Little Tim
LOGGED BY: T. Henneberry
DATE LOGGED: April 23/81
DATE COLLARED:
DATE COMPLETED: April 23/81

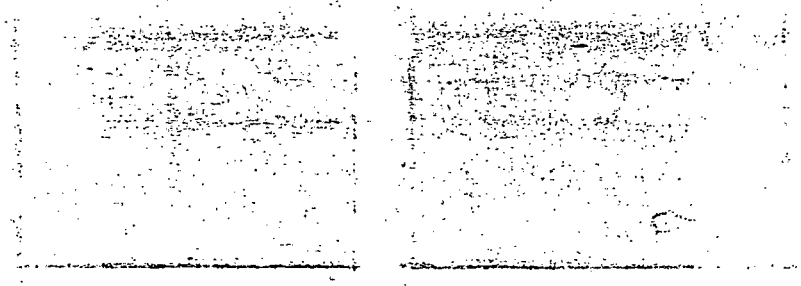
HOLE: 3-32
LOCATION: 16+90E
AZIMUTH: 148.5°
DIP AT COLLAR: +01.5°
DEPTH: 150' or 45.72 m

DIP TESTS
2.8 ° AT 150'
° 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- 3.2	0- 0.97	GRANITE PPY Fresh granite composed of 30% k-feldspar (predominantly as phenocrysts; less than 4 cm) 15 - 20% quartz, 35-40% plagioclase, and 10 - 15% mafics (predominantly biolite, with minor hornblende). There may be up to 5% matrix k-feldspar at the expense of plagioclase. 5% of fractures show moderate hematite stain and/ or moderate chloritic alteration.										
3.2- 7.1	0.97- 2.16	MAFIC DYKE at 55° to core. The dyke shows weak to moderate chloritic alteration, as well as chill margins which approach dioritic composition..										
7.1- 15.6	2.16- 4.75	GRANITE PPY Fresh to weakly chloritically altered granite with 0 - 2% matrix k-feldspar (locally to 5%) 20% of fractures show moderate hematite stain and/or moderate chloritic alteration. There is a zone of moderate chloritic alteration from 9.5 - 10.5 feet.										
15.6- 16.5	4.75- 5.03	ALTERATION ZONE Moderate to intense chlorite alteration. 50% of fractures show limonite stain.		15.6	16.5	4.75	5.03	0.9	0.27	.02	.01	.03
16.5- 16.7	5.03- 5.09	VEIN Solid quartz, show the inclusion of chlorite stain as well as 1% sulfides. The vein is at 45° to core.		16.5	16.7	5.03	5.09	0.2	0.06	/0.72	.02	.02
16.7- 16.9	5.09- 5.15	ALTERATION ZONE Intense to weak chloritic alteration.		16.7	16.9	5.09	5.15	0.2	0.06	.06	Tr	.02

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb		
16.9- 20.1	5.15- 6.13	GRANITE PPY Fresh to weakly chloritically altered granite, with 15 to 20% of fractures showing moderate hematite stain. There is 0 - 2% matrix k-feldspar (locally to 5%)											
20.1- 25.0	6.13- 7.62	GRANITE PPY Granite marked by a consistant 3-5% matrix k-feldspar content (locally to 15%) A weak chloritic alteration is evident throughout the unit.											
25.0- 27.7	7.62- 8.44	ALTERED GRANITE Zone of moderate chloritic alteration. There is an increase to 35% of matrix k-feldspar 40% of fractures show intense hematite stain.											
27.7- 38.3	8.44- 11.67	GRANITE PPY Fresh granite with 1 - 2% (locally to 5%) matrix k-feldspar. There is a horizon of 60% k-feldspar phenocrysts from 32.2-32.6 ft.; a horizon of weak chloritic alt. at 33.7-34.1 and a pegmatite stringer at 50° to core at 36.0-36.2 ft. 10% of fractures show intense hematite.											
38.3- 39.3	11.67- 11.98	ALTERED GRANITE Zone of intense to weak chloritic alteration. Fractures showing strong chloritic alteration.											
39.3- 44.1	11.98- 13.44	GRANITE PPY Fresh granite, with 20% of fractures showing moderate chloritic alteration.											
44.1- 47.2	13.44- 14.39	ALTERED GRANITE Zone of intense chloritic alteration, also showing weak to moderate epidote (0.4' missing from 45 - 47.5 feet.)		44.1	47.2	13.44	14.39	2.1	0.64	.04	.06	.04	
47.2- 78.3	14.39- 23.87	GRANITE PPY Fresh granite, with minor horizons of moderate chloritic alt. at 48.8 to 49.3 ft., and at											

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn
		58.3 - 59.2 feet. 15% of fractures show moderate chloritic alteration and/or moderate hematite stain.										
78.3- 81.8	23.87- 24.93	ALTERED GRANITE Zone of intense to weak chlorite alteration. 70% of fractures show limonite stain.										
81.8- 85.6	24.93- 26.09	GRANITE PPY Fresh to weakly chloritically altered granite, with a zone of moderate chloritic alteration from 82.7 - 83.5 feet. 30% of fractures show intense hematite or moderate limonite stain.										
85.6- 93.0	26.09- 28.35	ALTERED GRANITE Zone of intense chlorite alteration, There is a horizon of 70% k-feldspar phenocrysts from 86.0 - 89.1 feet.										
93.0- 93.3	28.35- 28.44	ALTERATION ZONE Zone of intense chlorite alteration.		93.0	93.3	28.35	28.44	0.3	0.09	.44	Tr	.04
93.3- 93.4	28.44- 28.47	VEIN Solid unmineralized quartz at 45° to core.		93.3	93.4	28.44	28.47	0.1	0.03	.26	Tr	.01
93.4- 94.2	28.47- 28.71	ALTERATION ZONE Zone of intense chloritic alteration.		93.4	94.2	28.47	28.71	0.8	0.24	.04	.02	.02
94.2- 94.3	28.71- 28.74	VEIN Solid quartz at 70° to core. 3% sulfides (tetra (?) gl, sp.)		94.2	94.3	28.71	28.74	0.1	0.03	.04	.02	.01
94.3- 94.5	28.74- 28.80	ALTERATION ZONE Zone of intense chloritic alteration.		94.3	94.5	28.74	28.80	0.2	0.06	2.36	.14	.09
94.5- 94.6	28.80- 28.83	VEIN Solid quartz at 80° to core. 3% sulfides(gl,sp)		94.5	94.6	28.80	28.83	0.1	0.03	1.16	.24	.09
94.6- 95.0	28.83- 28.96	SHEAR ZONE at 20° to core. Intense chloritic and argillic alteration.		94.6	95.0	28.83	28.96	0.4	0.12	.08	.02	.02



INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag	Pb	Zn	
94.6-96.6	28.96-29.44	ALTERATION ZONE Zone of intense chlorite alteration. Crumbly core from 95.6 - 96.6 feet.		95.0	96.6	28.96	29.44	2.0	0.61	.06	.02	Tr	
96.6-116.9	29.44-35.63	GRANITE PPY Fresh to weakly chloritically altered granite, with 30% of fractures showing moderate limonite stain. Horizon of moderate chloritic alteration from 109.8 - 110.3 feet., also from 115.2-115.4 feet. The last 2 feet of the unit contains 5% matrix k-feldspar.											
116.9-117.6	35.63-35.84	ALTERED GRANITE Zone of moderate chloritic alteration, also showing moderate limonite stain.											
117.6-128.6	35.84-39.20	GRANITE PPY Fresh granite, with 0 - 1% matrix k-feldspar 10% of fractures show moderate limonite or intense hematite.											
128.6-131.4	39.20-40.05	MAFIC DYKE at 50° to core. Dyke shows moderate chloritic alteration as well as hematite and/or chlorite along 50% of fractures and limonite along 50% of fractures.											
131.4-150.0	40.05-45.72	GRANITE PPY Fresh granite with limonite along 40% of fractures. There is an aplite dyke at 141.6 feet to 142.0 feet. The dyke is at 60° to core.											
		150.0 feet 45.72m - E.O.H.											

PROPERTY: Little Tim
LOGGED BY: Gordon Allen
DATE LOGGED: March 16/81
DATE COLLARED: March 14/81
DATE COMPLETED: March 15/81

HOLE: 4-1
LOCATION: 14+90E
AZIMUTH: 331.0°
DIP AT COLLAR: -01.0°
DEPTH: 78'/23.77m

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- 34.0	0- 10.36	GRANITE PPY. 11.4-14.2 - K-spar 50% - 70% 19 - 23.5 - K-spar 50% - 70% 24.5-27.8 - K-spar 50% - 70% Fresh granite. Some hematite along hairline fractures										
34.0- 36.3	10.36- 11.06	ALTERATION ZONE Weak prop. alt. Fractured core. 35.9 - 1 cm. barren quartz stringer at 15° to core axis.	2867	34.0	36.3	10.36	11.06	2.3	0.70	<0.02	<0.01	<0.01
36.3- 37.1	11.06- 11.31	DIKE Med. to fine grained granitic dike CI approx. 5. (Aplite?)										
37.1- 39.7	11.31- 12.10	GRANITE PPY. Fresh Granite.										
39.7- 44.0	12.10- 13.41	ALTERED GRANITE Weak prop. alt. Fractured core.										
44.0- 67.6	13.41- 20.60	GRANITE PPY. Fresh Granite										
67.6- 68.8	20.60- 20.97	MAFIC INCLUSION Fine grained dark greenish (chloritic) rock with scattered plag. and K-spar intermixed. (Partially melted?)										
68.8- 70.4	20.97- 21.46	GRANITE PPY. PEGMATITE // -70.3 - 70.4 - ~~Pegmatite~~ contact WITH DIKE										
70.4- 75.6	21.46- 23.04	DIKE (INCLUSION?) Contact at 30° to core axis. Two phases, 1st-Fine grained diabase 2nd - Diabase intruded by med. grn. material.										

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS
75.6- 78.0	23.04- 23.77	GRANITE PPY Fresh Granite E.O. H.							

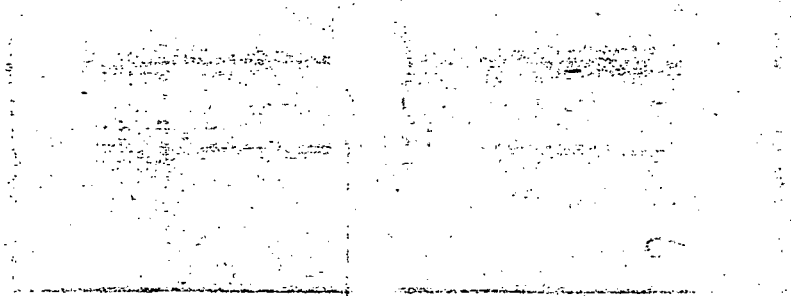
PROPERTY: Little Tim
LOGGED BY: G. Allen
DATE LOGGED: March 16/81
DATE COLLARED: March 15/81
DATE COMPLETED:

HOLE: 4-2
LOCATION: 14+90E
AZIMUTH: 154.5°
DIP AT COLLAR: 00.0°
DEPTH: 328 ft/ 99.97m

DIP TESTS
3.2° AT 163'
1.0° AT 328'
° AT

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE NO.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	AG	PB	ZN
0- 38.7	0- 11.79	GRANITE PPY Fresh Granite 32.5-2 cm p.g. dike at 40° to core axis.										
38.7- 40.1	11.79- 12.22	ALTERATION AND SHEAR ZONE Crumbly core(0.8') weak prop. alt. Mod. limonite stain.	2417	38.7	40.1	11.79	12.22	1.4	0.43	1.30	0.04	0.01
40.1- 63.2	12.22- 19.26	GRANITE PPY Fresh granite with minor horizons of 60% k-feldspar. (less than 0.2 feet)										
63.2- 64.2	19.26- 19.57	DIABASE DYKE At 55° to core. Contain minor quartz stringer with no visible mineralization.										
64.2- 83.1	19.57- 25.33	GRANITE PPY Fresh granite with minor horizons of 60% K-feldspar (less than 0.2 feet)										
83.1- 83.3	25.33- 25.89	ALTERED GRANITE Moderate prop. alt. with minor quartz stringer (less than 0.1 feet) within zone.	2418	83.1	83.3	25.33	25.39	0.2	0.06	0.08	0.02	0.01
83.3- 84.1	25.39- 25.63	ALTERED GRANITE Moderate prop. alt. with minor quartz stringer Less than 0.1 feet within zone	2419	83.3	84.1	25.39	25.63	0.8	0.24	2.40	0.08	0.03
84.1- 85.5	25.63- 26.06	GRANITE PPY Fresh Granite										
85.5- 86.1	26.06- 26.24	ALTERED GRANITE Moderate prop. alt. Dark chlorite green	2438	85.5	86.1	26.06	26.24	0.6	0.18	0.08	0.01	0.02

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS				
86.1- 98.0	26.24 29.87	GRANITE PPY Fresh granite with minor zones(0.1-0.2 feet) of weak prop. alt.											
98.0- 99.3	29.87- 30.27	MEDIUM GRAINED GRANITE DYKE at 40° to core. Shows minor limonite staining											
99.3- 100.5	30.27- 30.63	GRANITE PPY Fresh to weakly prop. altered near dykes											
100.5- 100.9-	30.63- 30.75	MEDIUM GRAINED GRANITE DYKE at 40° to core											
100.9- 101.4	30.75= 30.95	GRANITE PPY Fresh Granite											
101.4- 103.0	30.91- 31.39	MEDIUM GRAINED GRANITE DYKE at 40° to core											
103.0- 108.2	31.39- 32.98	GRANITE PPY Fresh granite, showing minor limonite stain.											
108.2- 110.2	32.98- 33.59	MEDIUM GRAINED GRANITE DYKE at 40° to core											
110.2- 113.7	35.59- 34.66	GRANITE PPY Fresh Granite											
113.7- 114.4	34.66- 34.87	ALTERED GRANITE Weak prop. alt. Moderate green color	242c	113.7	114.4	34.66	34.87	0.7	0.21	0.10	0.04	0.01	
114.4- 128.8	34.87- 39.26	GRANITE PPY Fresh Granite											
128.8- 129.2	39.26- 39.38	SHEAR ZONE at 20° to core. Strong limonite stain.	242	128.8	129.2	39.26	39.38	0.4	0.12	0.06	0.02	0.01	
129.2- 132.4	39.38- 40.36	GRANITE PPY Fresh Granite											



INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS			
132.4- 133.5	40.36- 40.69	ALTERATION ZONE Showing silicification, weak prop. alt. and moderate limonite staining along fractures.	2422	132.4	133.5	40.36	40.69	0.9	0.27	0.04	0.02	0.01
133.5- 134.1	40.69- 40.87	VEIN Vuggy quartz showing moderate limonite stain at 40° to core.	2423	133.5	134.1	40.69	40.87	0.6	0.18	0.06	0.02	<0.01
134.1- 134.4	40.87 40.96	ALTERED GRANITE Showing strong limonite stain and weak prop. alt.	2424	134.1	134.4	40.87	40.96	0.3	0.09	0.02	0.02	0.01
134.4- 134.7	40.96- 41.06	VEIN Vuggy quartz, showing moderate limonite stain at 20° to core.	2425	134.4	134.7	40.96	41.06	0.3	0.09	0.26	0.02	0.01
134.7- 137.4	41.06- 41.89	ALTERED GRANITE Showing strong limonite stain, weak prop. alt and silicification. (0.1 ft) quartz stringer at 148.7 feet and 20° to core.	2426	134.7	137.4	41.06	41.88	2.7	0.82	0.12	0.02	<0.01
137.4- 38.4	41.88- 42.18	VEIN Vuggy to solid quartz showing weak limonite stain and trace sulfides. at 20° to core.	2427	137.4	138.4	41.88	42.18	1.0	0.30	0.16	0.02	0.01
138.4- 141.9	42.18- 43.25	ALTERED GRANITE Strong to moderate limonite stain, weak prop. alt. and silicified on inproximity to vein.	2428	138.4	141.9	42.18	43.25	3.5	1.07	0.16	0.02	0.01
141.9- 151.0	43.25- 46.02	GRANITE PPY Moderate to non-existant limonite stain weak to non-existant prop. alt.										
151.0- 151.6	46.02 46.21	ALTERED GRANITE Showing strong silicification and limonite stain. weak prop. alt.	2429	151.0	151.6	46.02	46.21	0.6	0.18	0.18	0.02	0.01
151.6- 155.7	46.21- 47.46	GRANITE PPY Moderate to non-existant limonite stain. weak to non-existant prop. alt.										

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	AG	PB	ZN
155.7- 162.4	42.46- 49.50	ALTERED GRANITE Showing strong to moderate silicification strong to moderate limonite stain Weak prop. alt.	2430	155.7	162.4	47.46	49.50	6.7	2.04	0.06	0.02	0.01
162.4- 186.0	49.50- 56.69	GRANITE PPY Fresh granite, with minor zones of limonite stain along 10% of fractures.										
186.0- 187.3	56.69- 57.09	FINE GRAINED GRANITE DYKE at 55° to core										
187.3- 188.3	57.09- 57.39	GRANITE PPY Fresh granite										
188.3- 188.7	57.89- 57.52	FINE GRAINED GRANITE DYKE at 55° to core										
188.7- 189.7	57.52- 52.82	GRANITE PPY Fresh Granite										
189.7- 192.0	57.82- 58.52	FINE GRAINED GRANITE DYKE at 55° to core.										
192.0 192.5	58.52- 58.67	GRANITE PPY Fresh Granite										
192.5- 193.9	58.67- 59.10	ALTERED GRANITE Showing silicification, strong limonite weak prop. alt. (0.1 ft) quartz stringer at 40° to core.	2431	192.5	193.9	58.67	59.10	1.4	0.43	0.16	0.02	0.01
193.9- 197.2	59.10- 60.11	GRANITE PPY Fresh Granite										
197.2- 199.3	60.11- 60.75	ALTERED GRANITE Showing silicification, strong limonite weak prop. alt. (0.1 ft) quartz stringer at 35° to core. Quartz shows vugginess and intense limonite along contact.	2432	197.2	199.3	60.11	60.75	2.1	0.64	0.16	0.02	0.01

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	Ag (oz/T)	Pb (%)	Zn (%)
199.3- 201.2	60.75- 61.33	GRANITE PPY Fresh Granite										
201.2- 202.4	61.33- 61.69	ALTERED GRANITE Showing silicification and strong limonite staining . weak prop. alt. Stringers of intense limonite within unit.	2433	201.2	202.4	61.33	61.69	1.2	0.37	0.06	0.02	0.01
202.4- 207.0	61.69- 63.09	GRANITE PPY Fresh granite										
207.0- 207.3	63.09- 63.19	ALTERATION ZONE Moderate prop. alt., medium green color	2434	207.0	207.3	63.09	63.19	0.3	0.09	0.36	0.02	0.01
207.3- 207.5	63.19- 63.25	VEIN Vuggy, fractured quartz vein at 55° to core No visible mineralization	2435	207.3	207.5	63.19	63.25	0.2	0.06	0.50	0.04	0.03
207.5- 208.1	63.25- 63.43	ALTERATION ZONE Moderate to weak argillic alt. Weak to moderate prop. alt.	2436	207.5	208.1	63.25	63.43	0.6	0.18	0.18	0.02	0.02
208.1- 216.2	63.43- 65.90	GRANITE PPY Fresh Granite										
216.2- 217.7	65.90- 66.35	ALTERED GRANITE Weak to moderate prop. alt. Medium green color.	2437	216.2	217.7	65.90	66.35	1.5	0.46	0.2	0.02	0.01
217.7- 221.8	66.35- 67.60	GRANITE PPY. Fresh Granite										
221.8- 228.5	67.60- 69.65	ALTERED GRANITE Zones of weak to strong prop. alt. granite Medium to dark green color.	2439	221.8	228.5	67.60	69.65	6.7	2.04	0.12	0.02	0.01
228.5- 249.6	69.65- 76.08	GRANITE PPY Fresh to weakly altered granite. With minor horizons of moderate prop. alt. These are at 231.3 - 231.6 ft and 236.3 - 236.6 ft.										
249.6- 253.2	76.08- 77.18	GRANITE PPY Zone of heavily limonite stained, crumbly granite.										

INTERVAL (FEET)	INTERVAL (METERS)	DESCRIPTION	SAMPLE No.	FEET FROM	FEET TO	METERS FROM	METERS TO	WIDTH FEET	WIDTH METERS	AG	PB	ZN
253.2-257.1	77.18-78.36	ALTERATION ZONE Zone of strong prop. alt. with small 0.8 ft horizon of weak propalt.	2440	253.2	257.1	77.18	78.36	3.9	1.19	0.10	0.02	0.02
257.1-257.6	78.36-78.52	VEIN White, vuggy quartz vein at 50° to core. No visible min. Small 0.1 ft. horizon of limonite stained granite within vein.	2441	257.1	257.6	78.36	78.52	0.5	0.15	1.74	0.06	0.04
257.6-258.6	78.52-78.82	ALTERATION ZONE Zone of moderate propalt, and weak to moderate limonite stain.	2442	257.6	258.6	78.52	78.82	1.0	0.30	0.26	0.02	0.02
258.6-267.8	78.82-81.63	GRANITE PPY Zone of heavily limonite stained, crumbly granite. Also a marked increase in the K-feldspar in the matrix (60%)										
267.8-272.0	81.63-82.91	GRANITE PPY Fresh granite with a small zone of limonite stained granite from 269.4 to 269.9 ft.										
272.0-273.4	82.91-83.33	ALTERATION, VEIN ZONE Zone of weak propalt, which contains pegmatite stringer at 272.0 at 55° to core and 2 quartz veins. One 0.4 ft vein at 272.2 ft, contains sulfides (Chalcopyrite?) Within one large vug. This vein is at 55° to core. The other vein is only present partway through the core.	2443	272.0	273.4	82.91	83.33	1.4	0.43	0.16	0.02	0.01
273.4-315.2	83.33-96.07	GRANITE PPY Fresh granite with minor horizons of 0.3 ft at 276.9 and 0.3 ft. at 278.8 of moderate prop. alt. Also zone of 70% K-feldspar phenos from 302.0 to 313.8 ft.										
315.2-315.9	96.07-96.29	FINE GRAINED GRANITE DYKE at 65° to core.										
315.9-328.0	96.29-99.97	GRANITE PPY Fresh Granite 328.0 ft. or 99.97m E.O.H.										

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GEOCHEMISTRY — Statistical Analysis Graph

Property L.T.

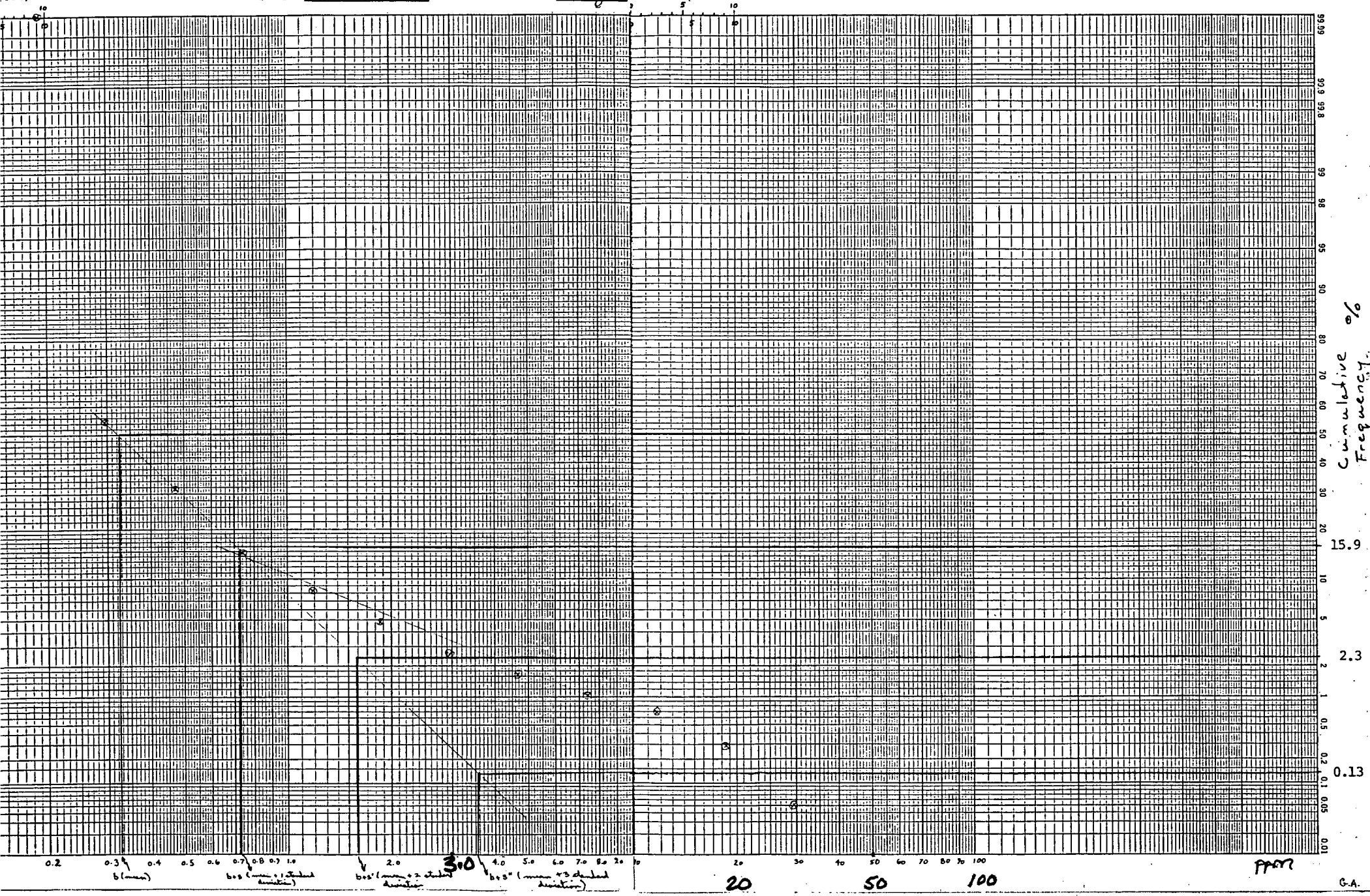
Company SWEP

Date APR. 3/81

Element Ag

Total no. samples = 2207

(Threshold) b+3 = 0.7 ppm
b+3' = 1.6 ppm
b+3" = 3.6 ppm

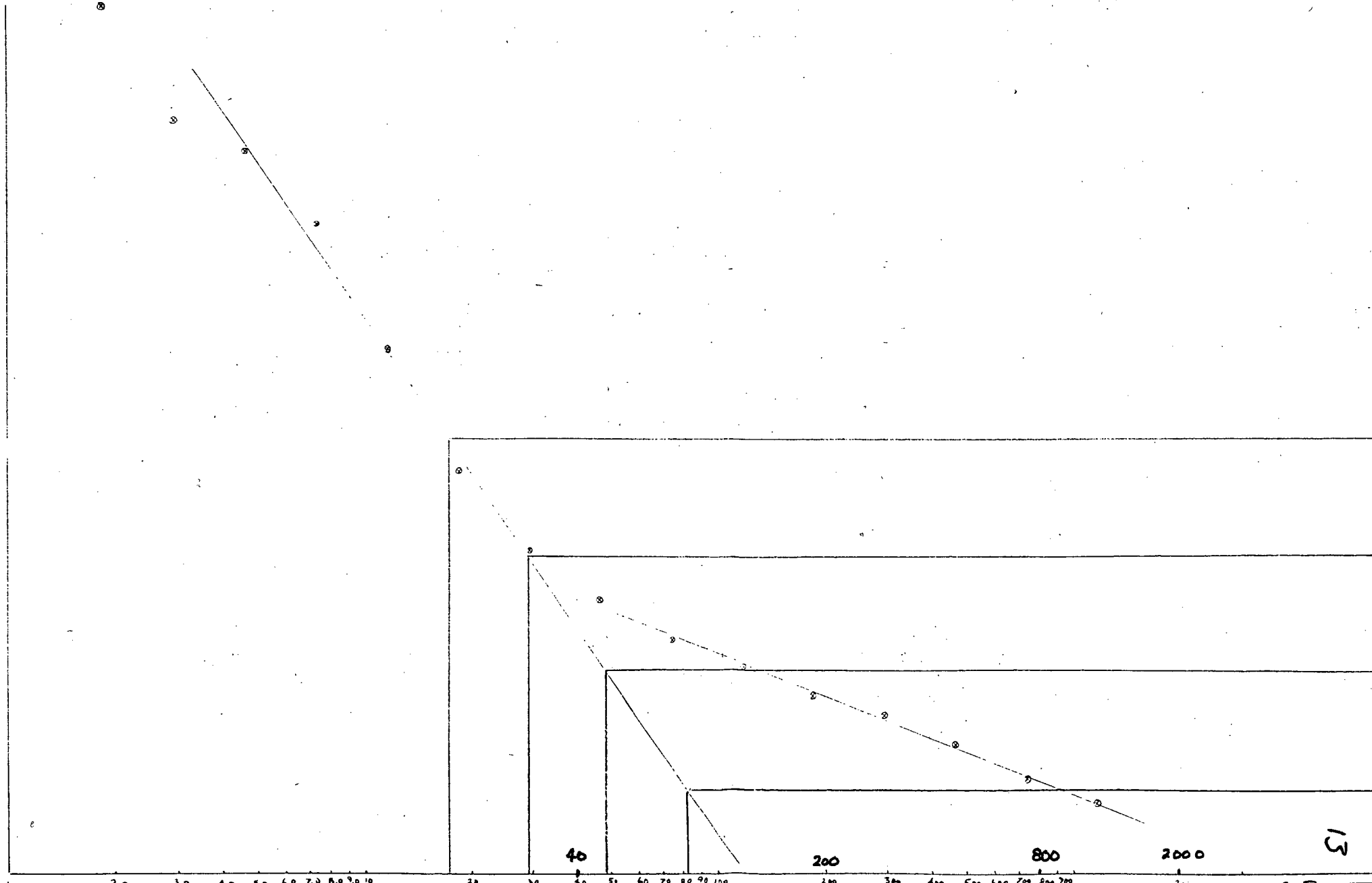


G.A.

LITTLE TIM APR. 4/81

Pb

b (mean) = 17 ppm
(THRESHOLD) b+s = 27 ppm } WEAKLY ANOMALOUS
(~33) b+s' = 47 ppm } MODERATELY ANOMALOUS
ppm b+s" = 82 ppm } STRONGLY ANOMALOUS



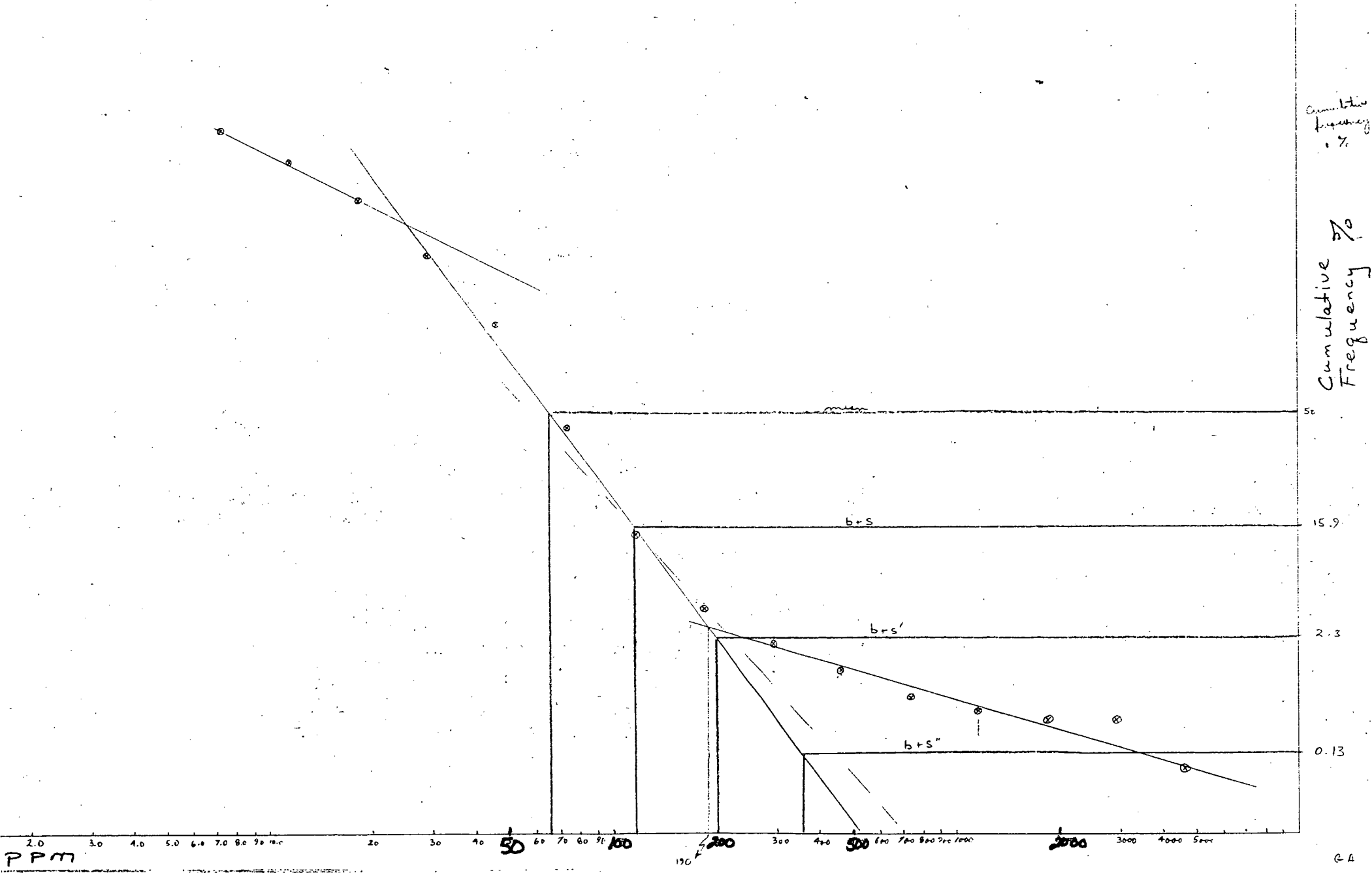
LITTLE TIM

APR. 5/81

Zn

b+s = 117 ppm
b+s' = 200 ppm (122 ppm)
b+s" = 360 ppm (440 ppm)

ANOMALY THRESHOLD = ~200 PPM



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