MAP NO.:	**ASSESSMENT REPORT** X	**DOCUMENT NO:**	092750
	PROSPECTUS	**MINING DISTRICT:**	Whitehorse
	CONFIDENTIAL X	**TYPE OF WORK:**	Diamond drilling
115 I 6/7	**OPEN FILE**		

REPORT FILED UNDER: Mill City Gold Incorporated

DATE PERFORMED: December, 1988 **DATE FILED:** 22 September, 1989

LOCATION: **LAT.:** 62°17'N **AREA:** Tinta Hill

LONG.: 135°00'W **VALUE $:**

CLAIM NAME & NO.: TINTA 1-72 (YA10054-57; YA20626-9; YA48246-9; YA48367-74; YA48347-50; YA48375-82; YA59057-64; YA73820-27; YA52243-50; YA74286-301

WORK DONE BY: D.W. Ferguson

WORK DONE FOR: Mill City Gold Incorporated

DATE TO GOOD STANDING:

REMARKS: #37 TINTA HILL

In December 1988, 8 holes were drilled totalling 1143.6 m. The holes were drilled over a 381 m strike length on known mineralized veins. Mineralization was observed in all the holes.
The main mineralized shear zone is 3505 m long and has an average width in drill holes of 1.6 m compared to 0.91 m on surface. It is still open at both ends.

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M.R. file no.	
R.M.M.R. file no.	
Date forwarded	22 AUG. 90

TRANSMITTAL FORM

From ▶ Mining Recorder at: WHITEHORSE

To ▶ Regional Manager, Mineral Rights at Whitehorse, Y.T.

For action are:

☐ NEW APPLICATION FOR PLACER LEASE TO PROSPECT	Name		
☐ RENEWAL APPLICATION PLACER LEASE TO PROSPECT	Name	Lease no.	
☐ AFFIDAVIT OF EXPENDITURE ON PLACER LEASE	Name	Lease no.	
☐ SECURITY DEPOSIT			
☐ FINANCIAL ABILITY			
☐ ASSIGNMENT OF PLACER LEASE NO.	From	To	
☐ GROUPING APPLICATION UNDER SEC. 52(2) PLACER MINING ACT.	Owner		
☐ DIAMOND DRILL LOGS	Claims	Claim sheet no.	
☐ QUARTZ ASSESSMENT REPORT	Claims: TINTA	Claim sheet no.: 115-I-7	
ADDITIONAL INFO.	Type of report	Submitted by: SILVER TUSK MINES LTD.	
	Cls. work performed on	$ req. for ren. application	

A. Buckland
Signature

REPLY ACTION

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1988 DIAMOND DRILLING REPORT

on the

TINTA HILL PROPERTY

WHITEHORSE MINING DIVISION
YUKON TERRITORY

LATITUDE: 62° 17' LONGITUDE: 137°

NTS 115 I/6,7

DECEMBER 1988

by: Delbert W. Ferguson

for: Mill City Gold Inc.

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2) DDH CROSS-SECTIONS ..... 3+00E
6+00E
7+50E
9+00E
11+50E
13+00E
15+00E

2259

INTRODUCTION

In December 1988, a 3752 - foot diamond drill program was completed on the TINTA HILL property, northwest of Carmacks, Y.T. The project was funded by Mill City Gold Inc. of Calgary, Alberta and the drill contractor was Kluane Drilling Ltd. of Whitehorse, Y.T.

A total of eight holes were completed over a 1250 -foot (381 metre) distance along strike of the known mineralized vein structures. Drill hole depths ranged between 191 feet (58 metres) and 775 feet (236 metres). Previous drilling (approximately 7900 feet) has outlined possible reserves averaging .075 oz. Au/ton, 5.35 oz. Ag/ton, 4.71 % Pb, 6.03 % Zn, 0.37 % Cu (Tough, 1988). The reserve parameters have not been defined.

LOCATION and ACCESS

The TINTA HILL property is located approximately 24 air miles (38 km.) northwest of Carmacks, Y.T., on the southern flanks of Granite Mountain (Figure 1). Access is achieved by way of 34 miles (54 km.) along the Mt. Freegold mining road. This road follows west along the Crossing Creek valley. At this point a subsidiary road is followed for 7 miles (11 km.) northward over the uplands toward Granite Mountain. Tinta Hill is a smaller hill on the southern flanks of Granite Mountain.

PHYSIOGRAPHY

The property is situated over rolling upland, mountain-valley terrain. Elevations range between 3300 feet (1000 metres) and 4100 feet (1250 metres) above sea level. Short willow brush and sparse alpine spruce cover most of the mountain uplands. South-facing slopes are covered in denser spruce forests. Water is obtainable most of the year from headwater tributaries of Merrice and Stoddart creeks.

CLAIMS

The TINTA HILL property consists of 72 claims covering 3719 acres (1505 hectares) (Figure 2). Mill City Gold Inc. has an option to earn a 50% working interest in the property from joint owners Silver Tusk Mines Ltd. and Panther Mines Ltd.

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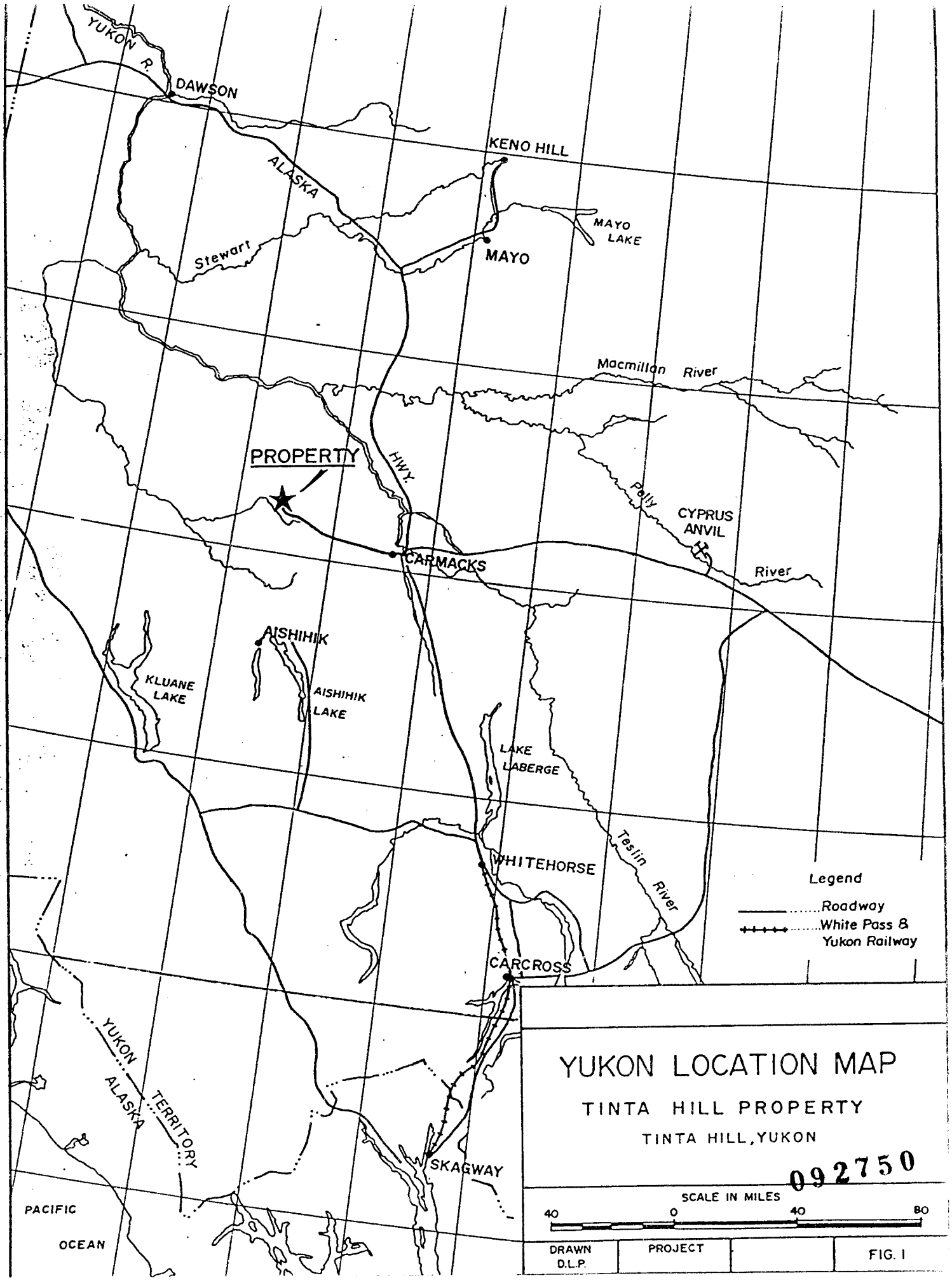

YUKON LOCATION MAP

TINTA HILL PROPERTY

TINTA HILL, YUKON

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SCALE IN MILES

40 0 40 80

DRAWN	PROJECT		FIG. 1
D.L.P.			

TABLE 1A TINTA HILL CLAIMS

CLAIM NAME	GRANT NUMBERS	EXPIRY DATE
TINTA 1 and 2	YA 10054 and 10055	August 22, 1990
TINTA 3 and 4	YA 10056 and 10057	November 22, 1989
TINTA 5 to 8	YA 20626 to 20629	November 10, 1989
TINTA 9 to 12	YA 48246 to 48249	September 21, 1989
TINTA 13 to 20	YA 48367 to 48374	October 22, 1989
TINTA 21 to 24	YA 48347 to 48350	October 18, 1989
TINTA 25 to 32	YA 48375 to 48382	October 22, 1989
TINTA 33 to 40	YA 59057 to 59064	October 23, 1989
TINTA 41 to 48	YA 73820 to 73827	September 03, 1989
TINTA 49 to 56	YA 52243 to 52250	October 06, 1989
TINTA 57 to 72	YA 74286 to 74301	November 23, 1989

TABLE 1B CURRENT GROUPING - TINTA HILL CLAIMS

GROUP #	CLAIM NAMES	ANNIVERSARY DATE
1	TINTA 1,10, 13 to 18	August 22
2	TINTA 2,9,11,12, 29 to 32, 41 to 48	August 22
3	TINTA 3,6,8, 19 to 24, 49 to 56	October 06
4	TINTA 4,5,7, 22,25 to 28, 33 to 40	October 18
5	TINTA 57 to 72	November 23

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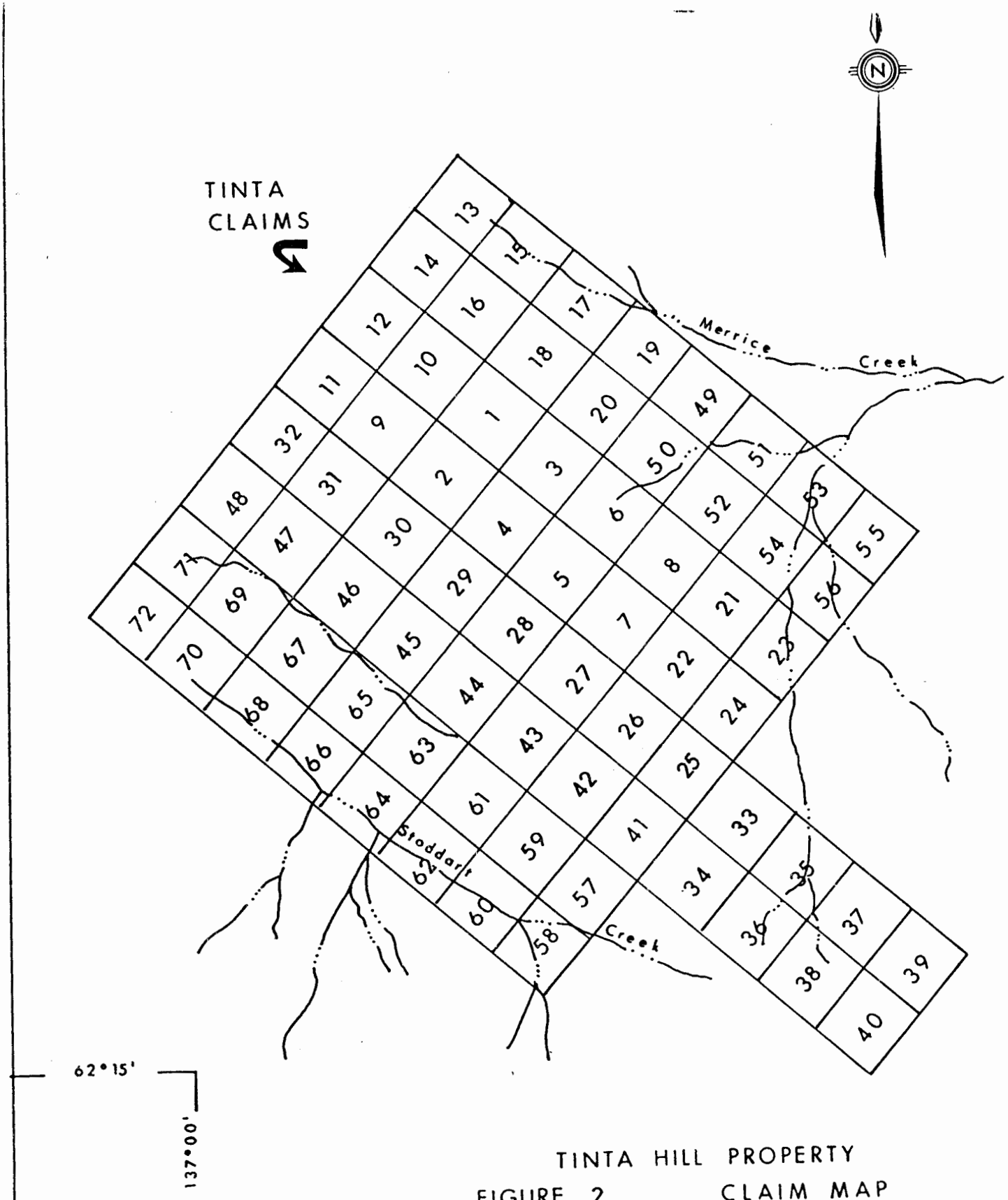

TINTA HILL PROPERTY

FIGURE 2 CLAIM MAP

275

SCALE

FT. 3000 1500 0 3000 FT.

HISTORY

The main sulphide vein on the TINTA HILL property was discovered in 1930 and explored by trenches and shallow shafts until 1932. The area was restaked in 1939 or 1940 and further work was undertaken.

Conwest Exploration Company Ltd. carried out trenching and diamond drilling from 1959 to 1960. Five holes drilled totalled 1345 feet.

Canex Aerial Exploration Ltd. carried out geochemical and electromagnetic surveys in 1966. Silgold Mines Ltd. optioned TINTA 1 to 8 claims in 1968 and revamped and sampled existing trenches.

Exeter Mines Ltd. drilled four BQ diamond drill holes (1126 feet) on the main showing in 1973. After a name change to Tinta Hill Mines Ltd., the company drilled 21 holes (4041 feet) in 1974. Electromagnetic and geochemical surveys were also accomplished over a large portion of the property. One hole was drilled in 1976 (455.5 feet).

The Silver Tusk - Panther joint venture partners drove 630 feet of crosscut (Adit 1) at 032° from L15+40E/3+40S; elevation 3900 ft. a.s.l.; during the 1980 and 1981 field seasons. Veins were drifted on in two directions for a total of 1066 feet. A second adit; elevation 3750 ft. a.s.l.; was driven during the 1981 field season at 032° from L7+00E/7+50S. A total of 722 feet of crosscut and 655 feet of drifting was completed. Some 880 channel samples were collected from both levels. In 1982, three holes were drilled on the main zone, totalling 969 feet. Three additional holes were drilled to test other anomalies.

Accumulated drilling data has indicated 1875 tons per vertical foot of reserves grading .075 oz. Au/ton, 5.35 oz. Ag/ton, 4.71 % Pb, 6.03 % Zn, 0.37 % Cu and .049 % Cd (Tough 1988).

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REGIONAL GEOLOGY

Regionally, the northeast flank of the Dawson Range Mountains consists of metamorphosed basement schists (Yukon Schist) and an assemblage of highly differentiated Jurassic or Cretaceous intrusives. These units are bounded by sequences of basic and acid volcanics. Locally, intrusives have themselves been intruded by quartz-porphyry and rhyolite bodies. The Dawson Range was not affected by the latest period of glaciation.

PROPERTY GEOLOGY, ALTERATION and MINERALIZATION

The property, in the area of known showings and exploration work, is underlain by two distinct phases of a quartz diorite intrusive:
1) medium to dark grey, medium grained, equigranular
2) light to medium grey, medium grained, K-feldspar porphyritic

Local chloritization in both phases is common, as is quartz-feldspar veins and veinlets. A co-magmatic, dark green, fine grained diorite intrusive occurs as bands and zones of mixing within the quartz diorite intrusive, locally along the north edge of the main mineralized zone.

Both lithologies exhibit intense, pale green sericitization and bleaching in the vicinity of the main shear zone. Sericitization and clay minerals decrease in intensity away from mineralized zones. Areas immediately surrounding mineralized horizons exhibit moderate to strong hematization (calcite-hematite veinlets, fractures and flooding), +/- moderate chloritization (with minor epidote) and zones of strong K-feldspar flooding.

Mineralization detected to date is confined to several shear zones. The main vein, or shear zone, strikes 300° across Tinta Hill and dips 5 to 15° to the northeast, reaching true widths of up to 10 feet. Quartz-carbonate veins within and outside the main shear contain auriferous pyrite, sphalerite, galena, calcopyrite and argentiferous tetrahedrite. Locally, veins have been completely altered to clay minerals. Pyrite, sphalerite, galena and calcopyrite also occur as veinlets and disseminations in both hangingwall and footwall altered host rocks.

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The main mineralized shear zone has been identified as a pinch-and-swell structure over a length of some 11,500 feet (open at both ends). The average true thickness of the mineralized zone encountered in diamond drill holes is 5.35 feet. Surface exposures of the vein show width variances of a few inches to six feet and average three feet in width.

A second major vein system appears to parallel the main vein, approximately 150 feet to the north, near the top of Tinta Hill.

DIAMOND DRILLING SURVEY

In December 1988, a 3752 - foot diamond drill program was completed on the Tinta 1 and 2 claims. The project was funded by Mill City Gold Inc. of Calgary, Alberta and the drill contractor was Kluane Drilling Ltd. of Whitehorse, Yukon.

A total of eight holes were completed over a 1250 foot (381 metre) distance along strike of the known mineralized vein structures (Figure 3). Drill hole depths ranged between 191 feet (58 metres) and 775 feet (236 metres). All holes were drilled on a 212° bearing. Dip angles ranged between -45° and -60°.

Mineralized sections were split and half of the split sections were delivered to Bondar Clegg for analysis. The remainder is being stored at the Government Core Library in Whitehorse. Non-mineralized core has been stored at Tinta Hill. Of the total 407 samples taken, 159 were submitted for assay of Au,Ag,Cu,Pb,Zn and 248 were to undergo geochemical analysis for Au(30 gm. fire assay), Ag,As,Sb,Cu,Pb,Zn,Mo,Hg. Analytical results are pending.

RESULTS and CONCLUSIONS

As analytical results remain pending at the time of this report, no definite conclusions can be drawn. At least two zones of mineralization and associated alteration are evident towards the western end of the area drilled. Mineralization was observed in every hole drilled.

REFERENCE

Tough, T.R., Aug.1988: Geological Report on the Tinta Hill Property, Whitehorse M.D., Y.T., for Lectus Developments Ltd.

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CERTIFICATE OF QUALIFICATIONS

I, Delbert W. Ferguson, of 2731 - 10 Ave SE, Salmon Arm, B.C., do hereby certify that:

I am a consulting geologist with over 10 years experience in the mining exploration industry.

I am a graduate of the University of Western Ontario, 1979, with an Honours B.Sc. in Geology.

I am a fellow member of the Geological Association of Canada.

I am a member of the Association of Professional Engineers, Geologists and Geophysicists of Alberta.

I personally supervised the 1988 Tinta Hill Drilling Program for Mill City Gold Inc.

Delbert W. Ferguson
August 31, 1989

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DIAMOND DRILL RECORD

PROPERTY: TINTA HILL, YUKON

HOLE NO.: TH-88-01
SHEET NO: 1

Footage	Dip Test Angle Reading	Corrected
445	54°	45o

Hole No.: 88-01
Section: 3+00E/0+00 N
Date Begun: December 1, 1988
Date Finished: December 6, 1988
Date Logged: December 7, 1988

Lat.: 62° 17' Long.: 137°
Dep.: -45°
Bearing: 212°
Elev. Collar: 3845'

Total Depth: 445 feet
Logged by: D. Ferguson
Claim: Tinta 1 & 2
Core Size: NQ

Depth From	Depth To	Recovery	Description	Sample No.	From	To	Width of sample	Analytical Results Au	Ag	Cu	Pb	Zn	As	Sb
0	10		Casing											
10	105		QUARTZ MONZONITE - K-spar porphyritic large 1 - 2 cm k-spar phenocrysts set in a finer matrix of quartz, calc-alkalic feldspars and mafic minerals - few lim.-coated fracs. - medium grained, grey, hypidiomorphic textures											
11.5	12.5		chlor. flooded zone											
18	19		broken zone-limonite stained fracs.											
51	52		numerous lim. stained chlor fracs & vnlts @ 10-20° to C.A.											
6.5			1 cm. siliceous-sericitized vnlt + clay gouge & dendritic Mn staining @ 30° to C.A. with 2 cm chlor halo											
66			0.5 cm silt clay vnlt @ 20° to C.A. with diss gal & sphal. - 2.5 cm silic. halo											
85	90	70%	sand seam?											
95.5			first sign of argillic altn of calc-alkalic plag.											
105	127.5		ALTERED QUARTZ MONZONITE - mod bleaching & sericitization with zones of weaker altn - limonite stained fracs											

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Depth From	Depth To	Recovery	Description	Sample No.	From	To	Width of sample	Analytical Results Au	Ag	Cu	Pb	Zn	As	Sb
124			4 cm lim-stained clay gouge zone											
127.5	140.5		ALTERED QUARTZ MONZONITE - mod to strong bleaching and sericitization - numerous ser. vnlts - fspar ghosts	80158	127.5	130	2.5							
129			1 cm. sil-py vnlt @ 50° to C.A. fine grained py											
130	140.5		few hairline sil vnlts with sphal & py @ 50-60° to C.A.	80159	130	130.5	0.5							
				80160	130.5	133	2.5							
				80161	133	135.5	2.5							
				80162	135.5	138	2.5							
				80163	138	140.5	2.5							
140.5	167		ALTERED QUARTZ MONZONITE - strong bleaching sericitization with accompanying pyrite mlzn +/- weak sphal. (largely soft clay zone)	80164	140.5	142.7	2.2							
140.5	142.7		numerous py +/- sphal hairline vnlts @ 50-65											
142.7	146.5		semi-msv to msv pyrite in dominantly grey clay zone within quartz-carbonate vein system											
142.7	143.4		mostly py veinlets & frac fillings	80165	142.7	143.4	0.7							
143.4	144.5		dark grey fine py-clay zone on either side of 10 cm qtz-carb. vein system	80166	143.4	144.5	1.1							
144.5	145.5		msv. pyrite with lesser quartz-clay hem in first 0.5 feet	80167	144.5	145.5	1.0							
145.5	146.5		semi msv & stringered py zone - stringers @ 70-90°	80168	145.5	146.5	1.0							
146.5			stringer pyrite and lesser sphal-galena veinlets - also diss. cubic and fine pyrites	80169	146.5	148	1.5							
149.5			2 cm semi msv py zone - most py vnlts are steep - others are 45-50°	80170	148	150	2.0							
152.5			1 cm quartz-carb-py-sph-gal vn @ 50°	80171	150	152	2.0							
153.8			two 1.5 cm qtz-carb-py-sph-gal vns @ 45°	80172	152	154	2.0							
				80173	154	156	2.0							
				80174	156	158	2.0							
				80175	158	160	2.0							

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Depth From	Depth To	Recovery	Description	Sample No.	From	To	Width of sample	Analytical Results Au	Ag	Cu	Pb	Zn	As	Sb
				80176	160	162	2.0							
				80177	162	164	2.0							
				80178	164	166	2.0							
				80179	166	167	1.0							
167	174.8		ALTERED QUARTZ MONZONITE mod. to strong bleaching and sericitization- fspar ghosts stringer pyrite and lesser sphal-gal carries through to 170.8											
167.5			4 cm qtz-carb-py vn @ 50°	80180	167	169.1	2.1							
169.1	169.8		20 cm qtz-carb-semi msv py vn @ 70°	80181	169.1	169.8	0.7							
170.5	170.8		8cm qtz-carb-semi msv py vn @ 65°	80182	170.5	170.8	0.3							
				80183	170.8	172.8	0.3							
				80184	170.8	172.8	2.0							
				80185	172.8	174.8	2.0							
174.8	188		QUARTZ MONZONITE exhibiting weak to moderate hematization especially in and outward from network frac and vnlt system											
188	193.5		QUARTZ MONZONITE trace to weak chlor and sericite altn: limonite stained fracs											
192.5	193		strong sericitization and hematization along vein structures @ 45°											
193.5	214		QUARTZ MONZONITE mod sericite altn and bleaching - trace to mod hematization -fspar ghosts											
199	200		mod chlor-ser alt											
200			13 cm of v. fine grained strong pale green sericite altn @ 45°	80186	203	205	2.0							
204			1 cm qtz-carb-sphal-py vnlt 45° w weak stringers and diss sphal over 1 ft section	80187	205	207	2.0							
207			hairline sphal-py vnlt @ 35%	80188	208	209	2.0							
208			hairline sphal vnlt & masses @ 10°											
209	210		lim. stained clay gouge zone	80189	209	210	1.0							
210	211		-quartz-carb-sericite-pyrite-shalerite veined zone	80190	210	211	1.0							
				80191	211	213	2.0							

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Depth From	Depth To	Recovery	Description	Sample No.	From	To	Width of sample	Analytical Results Au	Ag	Cu	Pb	Zn	As	Sb
214	217.5		QUARTZ MONZONITE - trace to weak altn -some hematization esp. along fracs & vnlts.											
217.4	232.5		QUARTZ MONZONITE - mod. sericite altn and bleaching - trace hematization											
228	228.5		zone of diss. & vnlt. pyrite @ 45° & 60° - stringers extend from 227 to 229											
232.5	241		QUARTZ MONZONITE - weak altn to unaltered - weak chloritization, sericitization (vnlts) & hematization											
241	250		QUARTZ MONZONITE - mod to strong ser.alt and bleaching - trace to weak diss. & vnlt py and sphal	80192	241	242	1.0							
				80193	242	243	1.0							
243	243.5		msv. qtz-py veining w limonite gouge developed	80194	243	243.5	0.5							
				80195	243.5	245	1.5							
				80196	245	247	2.0							
250	258		QUARTZ MONZONITE - weak altn to unaltered - weak chloritization, sericitization and hematization											
258	262.5		QUARTZ MONZONITE - mod to strong sericitization											
259			3 cm qtz-ser-carb vn w py-sphal-gal											
262.5	272.5		QUARTZ MONZONITE - weak to mod ser-chlor altn and bleaching											
269.5			hairline quartz-carb-gal-sphal-py vnlt @ 50°											
272.5	277		QUARTZ MONZONITE - mod to strong sericitization and bleaching											
276.5			1.5 cm - qtz-carb-ser vn @ 060° - few sulphides - fine diss. py along frac.											
277	281.5		QUARTZ MONZONITE - weak to mod. ser. altn & bleaching - some hematite fracs.											

Depth From	Depth To	Recovery	Description	Sample No.	From	To	Width of sample	Analytical Results Au	Ag	Cu	Pb	Zn	As	Sb
281.5	286		QUARTZ MONZONITE - mod to strong ser. altn and bleaching - local hematization											
285	285.5		3 branching 1 cm qtz-carb vnlts @ 40° rimmed with fine pyrites											
286	292		QUARTZ MONZONITE - mod chlor altn weak ser. altn and hematization (vnlts)											
292	413		QUARTZ MONZONITE - generally weak to mod chloritization, weak sericitization, some bleaching - some steep hematite veining											
302.5			0.5 cm. qtz-ser-chlor-py vnlt @ 50° in 10 cm zone of strong sericitization											
307			zone of strong sericitization w ser-hem veining and 50° and 20° respectively											
312			zone of strong sericitization w hem vnlts @ 20°											
323.5	325		zone of strong sericitization 2 - 1 cm ser-qtz-carb-sphal-gal-py vnlts @ 50°											
340	343		mafic xenolith											
346	347		zone of strong ser altn & bleaching w 1 cm qtz-ser-py vnlt @ 60°											
354	361.6		zone of mod ser. & chlor altn & bleaching & hematization along steep veining											
364	366		zone of mod to strong ser altn & bleaching											
365			2 cm qtz-carb-ser-sphal-gal-py vn @ 70° 5 cm clay gouge zone											
367	369		zone of strong ser altn and bleaching 2 cm qtz-carb-ser-sphal-gal-py vn in 5 cm clay gouge zone											
413	445		QUARTZ MONZONITE - generally mod to strong sericitization & bleaching - some mod chloritized section - few steep hem. vns. & fracs.											

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Depth From	To	Recovery	Description	Sample No.	From	To	Width of sample	Analytical Results Au	Ag	Cu	Pb	Zn	As	Sb
414			3cm qtz-carb-ser-gal-sphal-py vein @ 75°											
437	441		less altered zone											
443			1.5 cm qtz-carb-ser-sphal-gal-py vn @ 45°											
444.5	445		less altered zone											
EOH														

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DIAMOND DRILL RECORD

PROPERTY: TINTA HILL, YUKON

HOLE NO.: TH-88-02
SHEET NO: 1

Footage | Dip Test Angle Reading | Corrected

Hole No.: 88-02
Section: 6+00E/0+50 N
Date Begun: December 6, 1988
Date Finished: December 8, 1988
Date Logged: December 8, 1988

Lat.: 62° 17' Long.: 137°
Dep.: -49°
Bearing: 212°
Elev. Collar: 3875'

Total Depth: 191 feet
Logged by: D. Ferguson
Claim: Tinta 1 & 2
Core Size: NQ

Depth From	Depth To	Recovery	Description	Sample No.	From	To	Width of sample	Analytical Results Au	Ag	Pb	Zn	Cu	As	Sb
0	5		CASING											
5	102.5		QUARTZ MONZONITE - k-spar porphyritic quartz calc-alkali plag, mafics medium grained, grey, hypidiomorphic texture - few mafic xenoliths - few limonitic stained fracs - few steep calcite hematite veinlets											
102.5	133		QUARTZ MONZONITE - weak sericitization, some bleaching and chloritization - limonite stained fracs											
108.5			2 cm qtz-cc-hem vn @ 50° to C.A.											
120.5			1 cm sericite vn @ 45°											
128	130		zone of strong sericitization & bleaching 5 cm sericite vn @ 60°											
133	155.2		QUARTZ MONZONITE - mod to strong sericitization & bleaching - fspar ghosts											
133.5	134.5		strong limonite staining outward from fracs											
136	136.5		strong limonite staining outward from fracs											
146.5			0.5 cm qtz-carb-sphal-gal-py-cpy vnlt @ 60°											
150			strong limonite & manganese staining around sericite vein											
153			0.5 cm qtz-carb-sphal-gal vn @ 50°											
155			hairline qtz-carb-sphal-gal vnlt @ 20°											

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Depth From	Depth To	Recovery	Description	Sample No.	From	To	Width of sample	Analytical Results Au	Ag	Pb	Zn	Cu	As	Sb
155	172		QUARTZ MONZONITE - strong ser. altn & bleaching - weak diss py-sphal-gal											
160	162		bx'd clay gouge zone w few sphal-gal hairline vnlts											
			- 4 cm qtz-py vn in clay gouge											
166	169		numerous hairline qtz-carb-sphal-gal-py vnlts & disseminations											
172	180.5		QUARTZ MONZONITE - mod to strong sericitization & bleaching - fspar ghosts very few hairline sulphide veinlets											
					181	182.5	1.5							
180.5	189.3		QUARTZ MONZONITE - strong sericitization & bleaching		182.5	184	1.5							
					184	185.5	1.5							
			numerous hairline to 0.5 cm qtz-carb-sulphide veinlets & weak disseminations		185.5	187	1.5							
					187	188.5	1.5							
188.9			1 cm qtz-carb-py-cpy & trace sphal-gal vn @ 45°		188.5	189.3	0.8							
189.3	190		msv py-cpy qtz-carb vein (18 cm) @ 55°		189.3	190	0.7							
190	191		footwall veined zone-strong sericitization semi-massive py-cpy in qtz-carb veins (1cm to 5cm) one 5 cm vein contains hematite		190	191	1.0							
191			EOH - intersected crosscut @west end of Adit #2											

092750

DIAMOND DRILL RECORD

PROPERTY: TINTA HILL, YUKON

HOLE NO.: TH-88-02A
SHEET NO: 1

Footage	Dip Test Angle Reading	Corrected
392	73°	70o

Hole No.: 88-02A
Section: 6+00E/0+50 N
Date Begun: December 8, 1988
Date Finished: December 10, 1988
Date Logged: December 10, 1988

Lat.: 62° 17' Long.: 137°
Dep.: -70°
Bearing: 212°
Elev. Collar: 3875'

Total Depth: 392 feet
Logged by: D. Ferguson
Claim: Tinta 1 & 2
Core Size: NQ

Depth From	Depth To	Recovery	Description	Sample No.	From	To	Width of sample	Analytical Results Au	Ag	Cu	Pb	Zn	As	Sb
0	12		CASING											
12	125		QUARTZ MONZONITE - k-spar porphyritic large 1-2 cm k-spars in groundmass of med grained quartz, calc-alkali plag and mafics - few limonite coated fracs - few aplite dykes cut at low angles - few mafic xenoliths - few fracs and vnlts with sericite and hematite (steep)											
95	125		narrow zones exhibiting fspar bleaching narrow sericite flooded zones become more pervasive											
125	138.5		QUARTZ MONZONITE - generally mod to strong chlorite alteration, weak to mod bleaching weak to mod ser altn - numerous qtz-cc-hem veinlets @ 40 to 50°											
138.5	152		QUARTZ MONZONITE - weakly altered - weak ser altn, minor chlor. and bleaching											
152	165		QUARTZ MONZONITE - weak to mod sericite altn and bleaching - few chlor zones - lim. coated fracs.											

092I5W

Depth From	Depth To	Recovery	Description	Sample No.	From	To	Width of sample	Analytical Results Au	Ag	Cu	Pb	Zn	As	Sb
140	144		DIORITE INTRUSIVE dark green fine grained, cut by same epidote qtz-fspar vnlts contains some bands of qtz-monzonite - jagged upper contact @ 45° - gradational lower contact											
147.5			diorite xenolith											
154.5	155		mafic xenolith - medium grained											
165	190		MIXED ZONE - DIORITE/QTZ MONZONITE mixing - same altn pattern-lithological banding - weak chlorite, hem-cc-qtz vnlts, epidote vnlts - gradational and jagged contacts											
[redacted]	190	242	QUARTZ MONZONITE kspar porphyritic											
	190	196	relatively unaltered											
	196	242	mod to strong bleaching & sericitization (pale green) mottled texture numerous sericite vnlts; few hem. vnlts											
	205	206	less altered section											
	208.5	209	few hairline qtz-sphal-gal-py vnlts in lim-stained section immediately above 1 cm ser-hem vn @ 30°											
	220	223	"HANGING WALL Sulphide Stringer Zone" strong ser altn & bleaching	80334	220	221.5								
	221.5	223	increased diss & stringer sulphides	80335	221.5	223								

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Depth From	Depth To	Recovery	Description	Sample No.	From	To	Width of sample	Analytical Results Au	Ag	Cu	Pb	Zn	As	Sb
223	225.3		MAIN VEIN ZONE - 4 portions: 1) 4" brecciated country rock & vein material - blebs of gal-sphal-py limonite fracs - 2 cm clay gouge upper contact @ 50°	80336	223	223.3	0.3							
			2) 12" brecciated msv py-gal-sphal-qtz clay vein - upper contact @ 65° lower contact @ 080°	80337	223.3	224.3	1.0							
			3) 4" silver grey, pyritized clay gouge brecciated with qtz-sericite clasts	80338	224.3	224.6	0.3							
			4) 8" buff coloured clay breccia gouge with qtz-sericitized clasts	80339	224.6	225.3	0.7							
225.3	228		"FOOTWALL STRINGER Sulphide Zone"	80340	225.3	226	0.7							
225.3	226		mod to strong diss sulphides											
226	228		weak diss & vnlt sulphides	80341	226	228	2.0							
228	242		very sparse diss sulphides in pale green bleached zone											
242	269		QUARTZ MONZONITE weak sericite/bleaching zones of mod to strong altn non-porphyritic											
252			5 cm diorite dyke @ 60° dk. green, f.g., cut by hematite stringers											
258	260		strong ser altn & bleaching containing:											
259.5			0.2 cm qtz-ser-py-sphal-gal vnlt @ 45° minor diss sulphides around vnlt											
262	263		strong ser altn & bleaching;5 cm qtz-carb sericite vein @ 60°											
269	404		QUARTZ MONZONITE kspar porphyritic											
269	318.5		relatively unaltered - few hem-cc vnlts few sericite vnlts - weak chloritized sections limonite-stained fracs											

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09750

Depth From	Depth To	Recovery	Description	Sample No.	From	To	Width of sample	Analytical Results Au	Ag	Cu	Pb	Zn	As	Sb
318.5			mod to strong sericitization and bleaching with few weakly altered zones numerous sericite qtz vnlts, hem vnlts and limonite-stained fracs											
324	336		1 cm qtz-ser-carb-chlor-lim.stained vein @ 0° with minor py-sphal-gal mlzn											
336	339		less altered zone											
346	351		0.5 to 1 cm qtz-ser-carb, strongly lim.-stained vein @ 0° with trace sulphides											
356	366		"HANGING WALL Stringer Zone"	80342	356	358	2.0							
			weak diss & hairline vnlt sulphides & narrow vns	80343	358	360	2.0							
360.1			0.5 cm qtz-sphal-gal-py vein @ 60°	80344	360	362	2.0							
360.5	361.5		12" fg DIORITE @ 30° (pre-mineralization)	80345	362	364	2.0							
			upper 5" is bleached to pale green colour	80346	364	365.5	1.5							
			rest is dark green cut by early qtz-fspar veins and later hem vnlts	80347	365.5	366	0.5							
			few hairline sulphide vnlts											
363.5			chloritized zone-less bleaching											
366	366.5		"MASSIVE SULPHIDE VEIN" @ 45°	80348	366	366.5	0.5							
			banded sphalerite-galena-pyrite-chalcopyrite											
366.5	368		"FOOTWALL STRINGER Sulphide Zone"	80349	366.5	367	0.5							
			hairline vnlts & disseminated sulphides	80350	367	368	1.0							
368	369		strongly hematized & sericitized zone	84001	368	370								
			minor diss sulphides											
369	371		chloritized hematized section- minor sulphides	84002	370	372								
371	376		weak disseminated & stringer sulphides	84003	372	374								
				84004	374	376								
376	391		"HANGING WALL SULPHIDE STRINGER & VEIN ZONE"	84005	376	378	2.0							
376.5	377		2 cm qtz-carb-sphal-py-gal-cpy vn @ 90°											
			1 cm qtz-carb-sphal-py-gal vn @ 90°											
			stringer sulphide vnlts & limonite @ 20° to 45°											
379			0.5 cm sericite-sulphide vein @ 20°	84006	378	380	2.0							
380.5			15 cm qtz-carb-sphal-cpy-py-gal vn @ 20°	84007	380	382	2.0							

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Depth From	Depth To	Recovery	Description	Sample No.	From	To	Width of sample	Analytical Results Au	Ag	Cu	Pb	Zn	As	Sb
381.5			3 cm sericite flooded zone @ 50° with sulphides											
383	384		3 qtz-sulphide stringers @ 45°	84008	382	384	2.0							
384	385		clay gouge zone (light grey to pale green) strong sulphide stringers and veins	84009	384	386	2.0							
385	386		numerous sulphide stringers & disseminations											
386	391		strong stringer & diss. sulphides	84010	386	388	2.0							
				84011	388	390	2.0							
				84012	390	391	1.0							
391	393	80%	Dark grey MASSIVE SULPHIDE VEIN py-cpy-sphal-gal in qtz-carb clay altered vein 2 cm dark grey clay hanging wall & footwall contacts @ 45° and 80° respectively	84013	391	393	2.0							
[redacted]	393	394.5	"FOOTWALL BLEACHED ZONE" few sulphides 3 cm clay gouge @ 394'	84014	393	394	1.0							
	394.5	404	FOOTWALL HEMATIZED-CHLORITIZED zone QTZ. MONZONITE is brecciated by hematite-chlorite & sericite veinlets mostly @ 50° to 70° (some @ 0°) kspar phenocrysts remain sericitized											
			EOH											

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092750

DIAMOND DRILL RECORD

PROPERTY: TINTA HILL, YUKON

HOLE NO.: TH-88-03
SHEET NO: 1

Footage	Dip Test Angle Reading	Corrected
446	50°	50

Hole No.: 88-03
Section: 7+50E/2+00 N
Date Begun: December 10, 1988
Date Finished: December 12, 1988
Date Logged: December 12, 1988

Lat.: 62° 17' Long.: 137°
Dep.: -50°
Bearing: 212°
Elev. Collar: 3935'

Total Depth: 446 feet
Logged by: D. Ferguson
Claim: Tinta 1 & 2
Core Size: NQ

Depth From	Depth To	Recovery	Description	Sample No.	From	To	Width of sample	Analytical Results Au	Ag	Cu	Pb	Zn	As	Sb
0	10		CASING											
10	80		QUARTZ MONZONITE (non-porphyritic) medium grained, grey, hypidiomorphic texture zones of minor bleaching & sericitization few barren qtz-k-spar veins (1 to 2 cm) very few qtz-ser-hem fracs.											
80	95		QUARTZ MONZONITE -grading into k-spar porphyritic phase still few non-porphyritic sections as in previous holes											
95	97.5		SYENITE DYKE - course grained kspars with lesser quartz calc-alkali fspars and chloritized mafics -steep hematite fracs -contacts @ 50°											
97.5	159		QUARTZ MONZONITE - medium grained generally kspar porphyritic, but also non porphyritic zones few altered zones											

092750

Depth From	Depth To	Recovery	Description	Sample No.	From	To	Width of sample	Analytical Results Au	Ag	Cu	Pb	Zn	As	Sb
165	176		QUARTZ MONZONITE - strong sericitization & bleaching & moderate hematization - few hairline qtz-carb-ser-sphal-gal vnlts											
168	170		network sericite, quartz and hematite vnlts w some sphal-gal mlzn											
173	174		less altered zone											
176	203		QUARTZ MONZONITE - generally weakly altered											
194	195		mod to strong ser. altn & bleaching around 2 cm ser.-hem vnlt @ 30°											
203	221.5		QUARTZ MONZONITE - mod. to strong ser altn and bleaching sericite and hematite cc, veining and fracs are generally 40° to steep - few hairline sulphide vnlts											
216	217		less altered zone											
218	219		less altered zone											
221.5	224.5		QUARTZ MONZONITE - strong bleaching & sericitization (hanging wall) numerous hairline sulphide vnlts	80205	221.5	222.5	1.0							
221.5			clay gouge	80206	222.5	223.5	1.0							
223			pyrite flooding into host from vnlt	80207	223.5	224.5	1.0							
224.5	227	60%	MAIN VEIN - massive fine & cubic pyrites in grey clay gouge groundmass 6 cm of altered, pyritized bleached host rock	80208	224.5	227	2.5							
228	228.5		strongly silicified zone containing 1.5cm dark grey qtz vein and 4 cm qtz-carb-sphal-cpy-gal-py vein @ 30°	80209	227	228.5	2.5							
228.5	233	55%	light grey mod to strongly pyritized clay gouge zone	80210	228.5	231	2.5							
				80211	231	233	2.0							

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Depth From	Depth To	Recovery	Description	Sample No.	From	To	Width of sample	Analytical Results Au	Ag	Cu	Pb	Zn	As	Sb
233	271.5		QUARTZ MONZONITE - strong bleaching and sericite altn - weak to mod hematization "sulphide stringer zone" - hairline qtz-carb-sphal-gal-py stringers every foot & some disseminated sulphide zones	80212	233	235	2.0							
				80213	235	237	2.0							
				80214	237	239	2.0							
				80215	239	241	2.0							
				80216	241	243	2.0							
				80217	243	245	2.0							
				80218	245	247	2.0							
				80219	247	249	2.0							
251.5			1cm qtz-carb-ser-py-gal-cpy-sphal vein @ 25°	80220	249	251	2.0							
252			1cm qtz-carb-ser-py-gal-cpy-sphal vein @ 45°	80221	251	253	2.0							
254.5			2 cm qtz-carb-ser-py-cpy-gal-sphal vn @ 50°	80222	253	255	2.0							
				80223	255	257	2.0							
256	259	80%	70% clay gouge zone	80224	257	259	2.0							
				80225	259	261	2.0							
				80226	261	263	2.0							
264			strong hairline sulphide veining & disseminations	80227	263	265	2.0							
266.5			1cm qtz-carb-py-cpy vein @ 30°	80228	265	267	2.0							
268			0.5 cm qtz-carb-py-cpy @ 45°	80229	267	269	2.0							
269.1			0.5 cm qtz-carb--py-cpy vein @ 40°	80230	269	271	2.0							
269.5	270		two 0.5 qtz-carb-py-cpy veins @ 40°	80231	271	271.5	0.5							
271.5	272.5	90%	MAIN VEIN msv pyrite-chalcopyrite in qtz-carb vein @ 45° to C.A.	80232	271.5	272.5	1.0							
272.5	275.5		QUARTZ MONZONITE - strong sericitization & bleaching - hairline stringer sulphides + weak disseminations	80233	272.5	274	1.5							
				80234	274	275.5	1.5							

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Depth From	Depth To	Recovery	Description	Sample No.	From	To	Width of sample	Analytical Results Au	Ag	Cu	Pb	Zn	As	Sb
275.5	277.5		MAIN VEIN split into three district portions											
			HANGING WALL - msv py-cpy in qtz (9") contact @ 20° to C.A.	80235	275.5	276.25	0.75							
			CENTRE - near barren, massive vuggy carbonate (9")	80236	276.5	277	0.75							
			FOOTWALL - massive pyrite; yellow & black sphalerite, chalcopyrite & minor galena in quartz (6")	80237	277	277.5	0.50							
277.5	383		QUARTZ MONZONITE - strong sericitization & bleaching "stringer zone" - widely spaced (>2 ft) hairline sulphide stringers - hematization in veinlets & locally w silica flooding											
277.5	279		two - 1cm qtz-carb-py-cpy veins @ 45° + disseminations of py-sphal-gal	80238	277.5	279	1.5							
				80239	279	281	2.0							
				80240	281	283	2.0							
				80241	283	285	2.0							
286			4cm silica flooded zone @ 35°	80242	285	287	2.0							
				80243	287	289	2.0							
290	292		silica flooding	80244	289	291	2.0							
				80245	291	293	2.0							
293	295		silica flooding	80246	293	295	2.0							
295.2			1 cm qtz-ser-py-gal-sphal vein @ 45°	80247	295	297	2.0							
				80248	297	299	2.0							
300	301		strong silica flooding @ 20° carries sulphide vnlt	80249	299	301	2.0							
303			10 cm silica flooding											
322	323		zone of stringer & disseminated py-hem-sphal-gal											
327.5			mafic xenolith											
340			0.5 cm qtz-carb-ser-py-gal vein @ 25° + disseminations	80250	339	341	2.0							
				80251	341	343	2.0							
342			0.5 cm qtz-carb-py-gal-sphal vein @ 25°	80252	343	345	2.0							
347	348		numerous hairline sulphide veinlets	80253	345	347	2.0							
				80254	347	349	2.0							
				80255	349	351	2.0							

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Depth From	Depth To	Recovery	Description	Sample No.	From	To	Width of sample	Analytical Results Au	Ag	Cu	Pb	Zn	As	Sb
384.1			1.5 cm qtz-carb ser vein @ 50°	84052	384	385.5	1.5							
385	385.5		strong sulphide vnlts & disseminations	84053	385.5	387	1.5							
387	392		very weak disseminated sulphides											
392	506		QUARTZ MONZONITE - relatively unaltered											
392	397		non porphyritic											
397	407		kspar porphyritic											
403	403.5		DIORITE DYKE - f.g. dark green @ 45° jagged upper contact/sharp lower contact											
404.2			DIORITE DYKE (4") @ 45°											
407	420		non-porphyritic											
420	422		kspar porphyritic											
421	422		k-spar flooded zone											
422	429		non-porphyritic											
426	429		1 cm hematite cc-chlor-epidote bx vn @ 0°											
429	438		k-spar porphyritic											
430	431		hem-chlor-epidote vn @ 0° brecciates host											
438	459		non-porphyritic											
459	469		k-spar porphyritic											
469	479		non-porphyritic											
479	485		k-spar porphyritic											
485	487.3		non-porphyritic											
487.3	493		k-spar porphyritic											
488	490		strong sericitization and bleaching - weak diss hematite 2" kspar flooded zones at bottom and top of altered section											
493	496		non-porphyritic, except for last 5 cm											
496	497		DIORITE DYKE @ 60° (top) and 45° (bottom) fine to med. grained, dark green - monzonite flooding in bands											
497	499		k-spar porphyritic											
499	502		non-porphyritic											
502	503.5		k-spar porphyritic - numerous hem-ser vnlts											

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Depth From	Depth To	Recovery	Description	Sample No.	From	To	Width of sample	Analytical Results Au	Ag	Cu	Pb	Zn	As	Sb
503.5	504		DIORITE DYKE @ 60°											
504	505		k-spar porphyritic											
505	506		non-porphyritic - epidote vnlts											
506	514		QUARTZ MONZONITE - strong bleaching and sericitization	84054	506	507	1.0							
				84055	507	508	1.0							
			weak diss. & vnlt sulphides (py & hem)											
508	508.3		3.5" qtz-car-ser-py-cpy-sphal-gal vein @ 60° (banded)	84056	508	508.3	0.3							
				84057	508.3	509	0.7							
				84058	509	510.5	1.5							
511.5			strong qtz veining @ 30°	84059	510.5	512	1.5							
513			end of strong ser altn (still strong bleaching)	84060	512	514	2.0							
514	607		QUARTZ MONZONITE relatively unaltered											
514	519		non-porphyritic											
519	525		k-spar porphyritic											
522	524		hem-chlor vnlts with mod. hematization of host											
525	535.5		non-porphyritic											
535.5	536.5		k-spar porphyritic											
536.5	539		non-porphyritic											
539	540.5		k-spar porphyritic											
540.5	544		non-porphyritic											
544	548		k-spar porphyritic											
548	559		non-porphyritic (few narrow porph. zones)											
559	560		k-spar porphyritic											
560	562		non-porphyritic											
562	564		k-spar qtz flooded zone											
564.5			1 cm qtz-cc vnlt @ 10°											
564	607		non-porphyritic											
594	597.5		mod to strong bleaching & mod sericitization diss & vnlt hematite											
596			0.5 cm ser-qtz-carb vein @ 40°											
605			1 cm qtz-carb-ser vein @ 30° (minor sulphides)	84061	605	607	2.0							

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Depth From	Depth To	Recovery	Description	Sample No.	From	To	Width of sample	Analytical Results Au	Ag	Cu	Pb	Zn	As	Sb
607	659		ALTERED QTZ. MONZONITE weak to mod diss & vnlt sulphides med to strong sericitization and bleaching											
607	607.7		diss sulphides, vnlt py, vnlt hematite	84062	607	607.7	0.7							
607.7	608.3		4" QTZ.-CARB-SPHAL-PY-GAL VEIN @ 40°	84063	607.7	608.3	0.6							
608.3	609.3		strong ser.-flooded footwall with strong sulphide vnlts (40°) & disseminations two 1 cm qtz-carb veins @ 40°	84064	608.3	609.3	1.0							
609.3	611		1 cm chlor-ser-epidote vn @ 0°	84065	609.3	611	1.7							
612.5	614.5		host rock is bx'd by ser, chlor, hem & qtz-carb veining	84066	611	613	2.0							
				84067	613	615	2.0							
				84068	615	617	2.0							
				84069	617	619	2.0							
				84070	619	621	2.0							
621			1 to 2 cm ser. flooded zone @ 40°	84071	621	622.5	1.5							
622.5	622.8		4" hanging wall, diss-vnlt sulphide zone	84072	622.5	622.8	0.3							
622.8	624		12" QTZ-CARB-SER-MSV PY-SPHAL-GAL-CPY vein @ 45° (banded)	84073	622.8	624	1.2							
624	625		strong network sulphide vnlts & diss "footwall"	84074	624	625	1.0							
625	626		2 cm QTZ-CARB-PY-SPHAL-GAL-CPY vein @ 0°	84075	625	626	1.0							
626	627		1.5 cm QTZ-CARB-SPHAL-GAL-PY-CPY vein @ 45° in strong stringer sulphide zone	84076	626	627	1.0							
627	628		mod network & diss sulphides	84077	627	628	1.0							
628	629		bleaching cut by ser-chlor vnlts	84078	628	629								
629	630		two - 1 cm qtz-carb-sulphide veins @ 40°	84079	629	630	1.0							
630	632		bleaching cut by ser-chlor vnlts	84080	630	632	2.0							
632	634		2 ft of QTZ-CARB-SER-MSV PY-SPHAL-GAL-CPY veining @ 10° to 40° 30% altered host /70% vein material	84081	632	633	1.0							
				84082	633	634	1.0							
634	635.5		broken clay altered zone stringer & diss py 1 cm qtz-carb-py-sphal-cpy-gal vn @ 40°	84083	634	635.5	1.5							
635.5	636.5		3 cm (1.25") qtz-carb-py-sphal-cpy-gal vn @ 65° 1 cm qtz-ser-sphal-py vein @ 45°	84084	635.5	636.5	1.0							

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Depth From	Depth To	Recovery	Description	Sample No.	From	To	Width of sample	Analytical Results Au	Ag	Cu	Pb	Zn	As	Sb
636.5	644.5		bleached with mottled texture of ser-chlor veining	84085	636.5	639	2.5							
			weak stringer & diss sulphides	84086	639	641	2.0							
				84087	641	643	2.0							
				84088	643	644.5	1.5							
644.5	645		strong sericitization & network & diss sulphides	84089	644.5	645	0.5							
645	648.5		QTZ-CARB-MSV-PY-SPHAL-GAL-CPY veining @ 30°											
645	646		dark grey, vuggy vein bx. zone	84090	645	646	1.0							
646	647.5		main msv sulphide vein bounded on either side by 1 cm sericite band	84091	646	647.5	1.5							
647.5	648.5		clay gouge zone containing qtz & dark sulphide bands	84092	647.5	648.5	1.0							
648.5	649.5		Footwall stringer sulphides	84093	648.5	649.5	1.0							
649.5	651.5		bleached zone											
650			sphal-gal-py vnlt @ 30°	84094	649.5	651	1.5							
651.5	660		moderate bleaching & hematization	84095	651	653	2.0							
			few sulphide stringers	84096	653	655	2.0							
				84097	655	656.75	1.75							
656.75	657.5		bleached sericitized zone with 7 cm (3") qtz-ser-clay-sulphide vein @ 55° plus sulphide vnlt	84098	656.75	657.5	0.75							
				84099	657.5	659	1.5							
659	675		QUARTZ MONZONITE k-spar porphyritic weak to moderate qtz-carb-hem-ser-veins & vnlts											
675	676		QUARTZ MONZONITE non-porphyritic - hematite vnlts											
EOH														

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DIAMOND DRILL RECORD

PROPERTY: TINTA HILL, YUKON

HOLE NO.: TH-88-04
SHEET NO: 1

Footage	Dip Test Angle Reading Corrected
443	55°

Hole No.: 88-04
Section: 9+00E/2+00 N
Date Begun: December 12, 1988
Date Finished: December 14, 1988
Date Logged: December 14, 1988

Lat.: 62° 17' Long.: 137°
Dep.: -55°
Bearing: 212°
Elev. Collar: 3970'

Total Depth: 443 feet
Logged by: D. Ferguson
Claim: Tinta 1 & 2
Core Size: NQ

Depth From	Depth To	Recovery	Description	Sample No.	From	To	Width of sample	Analytical Results Au	Ag	Cu	Pb	Zn	As	Sb
0	10		CASING											
10	289		QUARTZ MONZONITE - unaltered to weak altn light to dark grey, medium grained, hypidiomorphic, granular - roughly equal amounts of alkalic and calc-alkalic fspar - weak chloritized section - few sericite fracs, epidote fracs, hematite fracs, few felsic vnlts											
	35.5		qtz. carb veining in chloritized section											
63	67		weakly chloritized section											
74.5	76		INTRUSIVE strongly sericitized silicified hematized qtz-eye bx (altered qtz diorite?) sharp jagged contracts @ 90 to CA.											
	79		3cm chlor-ser-hem-clay gouge zone											
	94		host rock becomes weakly kspar porphyritic throughout sections below this footage											
102	102.5		numerous sericite veins											
	164.5		1 cm qtz vein @ 20°											
165	166		mod. ser-chlor altn around qtz-carb vnlts.											
	239		2 cm chloritized mafic dyke @ 90°											
	245.6		17 cm chloritized mafic dyke @ 80°											
257	258		sericite flooding											

Depth From	Depth To	Recovery	Description	Sample No.	From	To	Width of sample	Analytical Results Au	Ag	Cu	Pb	Zn	As	Sb
259	266		moderate chloritization with epidote vnlts and hematite cc vnlts											
279			steep qtz-carb-limonite stained vn (0.5 to 1 cm)											
283			steep qtz-carb vn (0.5 to 1 cm) to sericite halo											
289	311		QUARTZ MONZONITE - mod. to strong sericitization and bleaching - limonite stained fracs - numerous sericite vnlts & hem vnlts											
292.5			2cm sericite vein @ 80°											
294	297		"Hanging Wall Stringer Sulphide Zone"	80307	294	295	2.0							
			strong sericite veining with weakly diss	80308	295	296	2.0							
			py-sphal & few sulphide vnlts	80309	296	297	1.0							
297	297.5		QUARTZ-CARB-SER VEIN @ 50° with some msv. pyrite-sphalerite & lesser galena	80310	297	297.5	0.5							
297.5	298.5		"Footwall Stringer Sulphide Zone"	80311	297.5	298.5	1.0							
302	308		zone of weakened alteration											
309.5			0.5 cm qtz-carb-ser-py-sphal vnlt @ 50°											
311	387		QUARTZ MONZONITE generally weakly altered both kspar porphyritic & non-porphyritic phases - few ser. altd bleached zones											
320	322		mod to strong sericitization & bleaching around 1.5 cm qtz-carb.-ser-hem vein @ 30° (minor sphal)											
332	341		mod to strong bleaching & sericitization (pale green) numerous qtz-carb-ser-hem veinlets (trace sphal-py											
371			1 cm qtz-carb-ser vein @ 30° (trace sphal-gal)											
377	381		0.5 cm qtz.-carb-ser vein @ 0° (trace sulphides)											

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Depth From	Depth To	Recovery	Description	Sample No.	From	To	Width of sample	Analytical Results Au	Ag	Cu	Pb	Zn	As	Sb
387	424		QUARTZ MONZONITE - moderate to strong bleaching & sericitization	80312	387	389	2.0							
				80313	389	391	2.0							
			"Hanging Wall Stringer Sulphide Zone" - numerous py-sphal-gal vnlts @ 45° plus weak disseminations and frac. sulphides	80314	391	393	2.0							
392	393		strongly sericitized & hematized flooded zone (pink); diss & frac sulphides	80315	393	395	2.0							
394	397		sulphide stringers and disseminations increase											
395			2 cm qtz-carb-py-sphal-gal vein @ 30°	80316	395	397	2.0							
397	397.5		MAIN VEIN - qtz carb-clay-py-sphal-gal bx vein @ 30°	80317	398	397.5	0.5							
397.5	398.5		"Footwall Stringer Sulphide Zone"	80318	397.5	398.5	1.0							
398.5	421.5		bleached zone mottled with ribbony qtz-ser-chlor stringers, weak to moderate vnlt & diss sulphides	80319	398.5	400	1.5							
				80320	400	402	2.0							
405.5			1 cm qtz-sphal-gal vein @ 30°	80321	402	404	2.0							
				80322	404	406	2.0							
				80323	406	408	2.0							
				80324	408	410	2.0							
				80325	410	412	2.0							
				80326	412	414	2.0							
				80327	414	416	2.0							
416.5	417.5		DIORITE DYKE @ 50° (9") chloritized	80328	416	418	2.0							
				80329	418	420	2.0							
				80330	420	421.5	1.5							
421.5	423		STRONG SULPHIDE VEINING in clay-rich zone qtz-py-sphal-gal veining predom. @ 45	80331	421.5	423	1.5							
423	424		mod ser. altn & bleaching with strong ntwk & diss sulphides @ 424'	80332	423	424	1.0							

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Depth From	Depth To	Recovery	Description	Sample No.	From	To	Width of sample	Analytical Results Au	Ag	Cu	Pb	Zn	As	Sb
424	426		DIORITE DYKE @ 45° - fine grained, dark green chloritized - cut by ser-qtz-carb vnlts @ 45° (trace sulphides) - pale green, bleached and hematized @ hanging wall contact	80333	424	426	2.0							
426	443		QUARTZ MONZONITE - kspar porphyritic - numerous hematite cc veinlets and fractures											
443			EOH											

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DIAMOND DRILL RECORD

PROPERTY: TINTA HILL, YUKON

HOLE NO.: TH-88-05
SHEET NO: 1

Footage	Dip Test Angle Reading	Corrected
404	55°	50

Hole No.: 88-05
Section: 11+00E/2+50 N
Date Begun: December 14, 1988
Date Finished: December 15, 1988
Date Logged: December 15, 1988

Lat.: 62° 17' Long.: 137°
Dep.: -50°
Bearing: 212°
Elev. Collar: 3995'

Total Depth: 404 feet
Logged by: D. Ferguson
Claim: Tinta 1 & 2
Core Size: NQ

Depth From	Depth To	Recovery	Description	Sample No.	From	To	Width of sample	Analytical Results Au	Ag	Cu	Pb	Zn	As	Sb
0	10		CASING											
[redacted]														
10	165		QUARTZ MONZONITE light to dark grey, medium grained, hypidiomorphic granular limonite-stained fracs, few sericite vnlts, few hematite-calcite vnlts, few qtz-fspar veins, few epidote vnlts and zones of weak chloritization											
50	51		chloritized clay-gouge zone											
52	56		chloritized and strongly limonite-stained broken zone											
54	55		limonite-stained, white clay gouge zone, bleached bxd rock with qtz (may have been 10" vein);no sulphides distinguishable											
59	63		moderately chloritized zone with cc-hem-chlor stringers and some silicification and bleaching											
106			kspar porphyritic phase starts to become more dominant											
119	119.5		zone of bleaching, chloritization and sericitization cut by numerous cc-hem vnlts											

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Sheet No. 2

Depth From	Depth To	Recovery	Description	Sample No.	From	To	Width of sample	Analytical Results Au	Ag	Pb	Zn	Cu	As	Sb
103	104		strongly hematized & chloritized zone cut by 1 cm sericite vein @ 0°											
112			3-1cm qtz-fspar veins (partially healed over)											
114			zone of mod sericitization cut by steep ser-hem vnlts & fracs											
119			3cm sericite vein @ 55° causing local sericitization											
159	172		QUARTZ MONZONITE - weak to moderate sericitization & weak bleaching - steep sericite hematite-quartz-cc fracs with some networking											
172	287		QUARTZ MONZONITE - relatively unaltered -hematite coated fracs - few sericite vnlts -few mafic xenoliths - few qtz-kspar veins											
180	183		chlor-ser. altered zone centered around 1cm qtz-ser-hem vein @ 20° (pyrites in gouge)											
216			minor chloritization & weak bleached zones											
236	237		strong bleaching & sericitization around qt-cc-hem vnlts.											
253	257		mod sericitization & bleaching around 0.5 cm qtz-hem vnlt @ 0°											
275.5			numerous hem-ser. stringers @ 45°											
279	280		mod sericitization & bleaching around two 0.5 cm ser. vnlts @ 45° (limonite coated fracs)											
283			limonite coatings around qtz-hem-carb vnlts											
287	295		QUARTZ MONZONITE - moderate bleaching & sericitization - few chlor bands - mod hem-ser. veining (0.5 cm) mostly @ 30°											
295	308		QUARTZ MONZONITE - strong bleaching, moderate sericitization - few hem-py stringers											

Depth From	Depth To	Recovery	Description	Sample No.	From	To	Width of sample	Analytical Results Au	Ag	Cu	Pb	Zn	As	Sb
296	297.3		limonite staining around hem-fracs											
297.5			qtz-carb-ser veining @ 80°											
302.5			2 cm qtz-hem-py vein @ 70°											
308	311		QUARTZ MONZONITE - strong bleaching & sericitization - "hanging wall sulphide stringer zone"	80267	308	309.5	1.5							
			-numerous hairline py-gal-sphal veinlets	80268	309.5	311	1.5							
311	312	90%	MAIN VEIN (10 inches) @ 50-60° quartz-carb vein hosting 80% dark grey f.g. msv pyrites	80269	311	312	1.0							
			2 cm clay gouge hanging wall contact											
			3 cm ser. sil footwall contact											
312	316		QUARTZ MONZONITE strong bleaching and sericitization - "footwall sulphide stringer zone"	80270	312	314	2.0							
			numerous hairline py-gal-sphal veinlets	80271	314	316	2.0							
316	410		QUARTZ MONZONITE - strong bleaching and mod to strong sericitization-fspar ghosts - quartz-ser-hem veins & vnlts common @ 45°											
319			1 cm qtz-ser-hem vein 45°											
329			1 cm qtz-ser-hem vein @ 60°											
338.5	339.5		few hairline sulphide vnlts											
344	348.6		0.5 to 1 cm qtz-carb-ser-py-sphal-gal vein runs down core @ 0° cutting across 0.5 cm sericite veins (50°)											
352			hairline ser-py-sphal-gal vnlt @ 50°											
353			hairline ser-py-sphal-gal vnlt @ 45°											
357	360.5		HANGING WALL STRINGER ZONE - numerous py-sphal gal veinlets & some disseminations	80272	357	359	2.0							
				80273	359	360.5	1.5							
360.5	361.5		strong ser & bleaching;vnlts & disseminations	80274	360.5	361.5	1.0							

Depth From	Depth To	Recovery	Description	Sample No.	From	To	Width of sample	Analytical Results Au	Ag	Cu	Pb	Zn	As	Sb
361.5	362		SULPHIDE VEIN - mostly pyritized clay gouge	80275	361.5	362	0.5							
			semi msv sphal-py-gal noted along footwall	80276	362	363	1.0							
362	363		strong ser & bleaching veinlets & diss.	80277	363	365	2.0							
363	361.5		strong bleaching	80278	365	366.5	1.5							
367.5	368		sulphide vein in clay gouge zone	80279	366.5	367.5	1.0							
368	369		strong bleaching to clay rich zone	80280	367.5	368	0.5							
369	370		strong ser. altn & bleaching sulphide vnlts & diss.	80281	368	369	1.0							
370	370.5		QUARTZ VEIN flooded with semi msv py-sphal	80282	369	370	1.0							
			galena @ 60° (hanging wall); 45 (footwall)	80283	370	370.5	0.5							
370.5	371		strong ser. & bleaching; sulphide vnlts & & dis.	80284	370.5	371	0.5							
371	404		SULPHIDE STRINGER ZONE - disseminated & vnlt	80285	371	373	2.0							
			sulphides prevalent thru most of section	80286	373	375	2.0							
			though not particularly strong	80287	375	377	2.0							
				80288	377	379	2.0							
				80289	379	381	2.0							
				80290	381	383	2.0							
				80291	383	385	2.0							
				80292	385	387	2.0							
388			3 cm silica flooded zone @ 80	80293	387	389	2.0							
				80294	389	391	2.0							
				80295	391	393	2.0							
				80296	393	395	2.0							
				80297	395	397	2.0							
				80298	397	399	2.0							
				80299	399	401	2.0							
402.5	404		silica flooded; ntwk & diss. sulphides	80300	401	403	2.0							
				80301	403	404	1.0							
404	406	80%	MINERALIZED SECTION two parts:											
404	405.5		1) Quartz-Carb Vein @ 60° with semi msv	80302	404	405.5	1.5							
			stringer py-sphal-gal (includes 4" of host rock with vnlts)											

Depth From	Depth To	Recovery	Description	Sample No.	From	To	Width of sample	Analytical Results Au	Ag	Cu	Pb	Zn	As	Sb
405.5	406		2) Strongly Pyritized white & grey clay zone	80303	405.5	406	0.5							
406	407		clay section with some sulphides	80304	406	407	1.0							
407	410		weak diss. sulphides in strong bleached zone	80305	407	408.5	1.5							
408.5			1 cm sericite-hematite vein @ 50°	80306	408.5	410	1.5							
410	443		QUARTZ MONZONITE - both non-porphyritic and kspar porphyritic phases -unaltered with section of weak to moderate sericitization, chloritization and bleaching -hematite & sericite veins and vnlts, generally at low angles (60-90°) to C.A.											
440	440.8		DIORITE - fine grained - dark green - no chilled margins											
443	446	EOH	DIORITE - medium grained dark green - high mafic content - <10% kspars											

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DIAMOND DRILL RECORD

PROPERTY: TINTA HILL, YUKON

HOLE NO.: TH-88-06
SHEET NO: 1

Dip Test Angle						
Footage	Reading	Corrected	Hole No.:	88-06	Lat.: 62° 17' Long.: 137°	Total Depth: 676 feet
676	60°	50	Section:	13+00E/4+50 N	Dep.: -50°	Logged by: D. Ferguson
			Date Begun:	December 15, 1988	Bearing: 212°	Claim: Tinta 1 & 2
			Date Finished:	December 17, 1988	Elev. Collar: 4010'	Core Size: NQ
			Date Logged:	December 17, 1988		

Depth From	Depth To	Recovery	Description	Sample No.	From	To	Width of sample	Analytical Results Au	Ag	Cu	Pb	Zn	As	Sb
0	6		CASING											
6	77		QUARTZ MONZONITE light to med. grey, med. grained, hypidiomorphic, equigranular few chloritized zones, limonite on fracs, some qtz-fspar veining											
	9.5		chlorite gouge											
	13.5		epidote vnlts											
14.7	16.0		16" DIORITE DYKE @ 45° f.g., dark green, white fspar porphyritic cut by epidote, qtz & hematite vnlts											
	20		2 cm qtz-fspar vein @ 70°											
	23		1 cm sericite vein @ 20°											
	24		3 cm qtz-fspar vein @ 70°											
	29.5		2 cm qtz-fspar vein @ 70°											
	33		2 cm qtz-fspar vein @ 70° in kspar flooded zone											
	46		sericite-hematite vnlt @ 0°											
48	50		steep ser-hem vnlts											
52	54		strongly chloritized zone with epidote, cut by steep hematite vnlts and 1 cm sericite vein @ 45°											
58	58.5		kspar porphyritic phase											

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Depth From	Depth To	Recovery	Description	Sample No.	From	To	Width of sample	Analytical Results Au	Ag	Cu	Pb	Zn	As	Sb
60.5	61		chloritized zone cut by steep sericite & hematite vnlts											
64.5	67		chloritized zone cut by steep hematite vnlts											
70	76		mod to strong chloritized section cut by numerous chlor-hematite & epidote stringers											
70	72		strong chlorite-hematite (blood-red) breccia zone											
76.5			2 cm qtz.-fspar vein @ 90° in kspar porphyritic zone											
77	94		MIXED ZONE - DIORITE/QTZ MONZONITE banding generally gradational to jagged Diorite:dark green, fine-med grained fspar porphyritic Qtz Monzonite - light grey, med. grained both lithologies cut by epidote, sericite and hematite vnlts											
94	132		DIORITE - dark green, med.grained few qtz-monzonite dykes sericite, qtz & hematite vnlts generally @ 45°											
103			6 cm qtz. monzonite dyke - gradational contact											
104.5	105		2.5 cm (1.25") QTZ-SER-HEM-PY-SPHAL VEIN @ 50° with 3 cm clay gouge footwall with diss py strong bleached & sericitized zone (pale green) below footwall gouge - hematite vnlts											
106.5			1 cm sericite vein @ 30°											
109			0.5 cm sericite vein @ 30°											
113			0.5 cm qtz-carb vein @ 40°											
114			3 cm zone with qtz-carb-ser-epidote trace sulphide veinlets @ 45°											
114.5			4 cm qtz-fspar-chlor vein @ 70°											
123			1 cm qtz-fspar vein @ 45°											

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Depth From	Depth To	Recovery	Description	Sample No.	From	To	Width of sample	Analytical Results Au	Ag	Cu	Pb	Zn	As	Sb
125.5			5 cm qtz-carb-ser-hem veining											
126.5			2 cm qtz-carb-ser-hem veining											
127			4 cm chlorite-limonite gouge											
131.5			4 cm chlorite gouge											
132			qtz-carb vnlts @ 45° along lithological contact											
132	204		QUARTZ MONZONITE non porphyritic	84015	132	134	2.0							
132	133.5		relatively unaltered	84016	134	136	2.0							
133			chlor gouge	84017	136	138	2.0							
133.5	146		med to strong ser altn and bleaching	84018	138	140	2.0							
			strong sericite veining & very strong	84019	140	142	2.0							
			limonite staining	84020	142	144	2.0							
			fine diss. & vnlt sulphides detected	84021	144	146	2.0							
146	150		relatively unaltered - few qtz-cc-hem vnlts											
150	151	50%	strong limonite stained core with lim.-clay gouge											
151	151.5		strong bleaching											
151.5	153		lim. stained frac @ 0°											
151.5	160.5		relatively unaltered											
160.5	164		bleaching increases from moderate to strong											
163			1 cm ser-hem vein @ 60°											
164	178.5		strong ser altn and bleaching (70% clay)	84022	164	166	2.0							
			"HANGING WALL STRINGER SULPHIDE ZONE"	84023	166	168	2.0							
			generally weak disseminated sulphides in	84024	168	170	2.0							
			zones adjacent to ser. veining, fracs. etc.	84025	170	172	2.0							
				84026	172	174	2.0							
177.25			three-1cm qtz-carb veins with ser halos @ 45°	84027	174	176	2.0							
				84028	176	177.25	1.25							
				84029	177.25	178.5	1.25							
178.5	181.5		"STRONG QUARTZ-CARB-SULPHIDE VEINED ZONE" @ 45° Py-cpy-sphal-gal form stringers and disseminations through vein and clay altered host rock											

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Depth From	Depth To	Recovery	Description	Sample No.	From	To	Width of sample	Analytical Results Au	Ag	Cu	Pb	Zn	As	Sb
178.5	179.5		1) grey-black veining & stringers in clay host	84030	178.5	179.5	1.0							
179.5	181.5		2) grey-black & py veining & stringers in bx'd qtz-carb host zone	84031	179.5	181.5	2.0							
181.5	203		"FOOTWALL STRINGER SULPHIDE ZONE" sulphide vnlts in strongly bleached-sericitized host	84032	181.5	183.5	2.0							
182	182.5		qtz-carb-sericite flooding	84033	183.5	185	1.5							
184	185		three 0.5 to 1 cm black sulphide-py veins in clay @ 30°	84034	185	187	2.0							
				84035	187	189	2.0							
				84036	189	191	2.0							
192.5			3 cm clay gouge zone	84037	191	193	2.0							
				84038	193	195	2.0							
200.4			4 cm (1.5") qtz-carb-msv. dark grey fg pyrite vein @ 45°	84039	195	197	2.0							
				84040	197	199	2.0							
				84041	199	201	2.0							
				84042	201	203	2.0							
203	204		decreased bleaching & sericitization - mod. chlor altn											
204	355		QUARTZ MONZONITE kspar porphyritic weak to moderate bleaching & sericitization some chloritization locally sericite & hematite veinlets & fracs											
233	240		non porphyritic phase - darker grey due to lesser felsic components chloritized with steep brown hematite fracs											
245	245.5		mod to strong sericitization											
245.5	255		non-porphyritic phase											
245.5	246.5		strong sericite - chlorite altn - 1 cm ser vein @ 30°											
248	251		mod to strong bleaching & sericitization numerous ser-hem-qtz vnlts - weak diss pyrites											

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Depth From	Depth To	Recovery	Description	Sample No.	From	To	Width of sample	Analytical Results Au	Ag	Cu	Pb	Zn	As	Sb
250			4 cm strong qtz-carb-ser veins @ 75°											
260			2 cm diorite (dk. green, f. grained) dyke @ 90°											
261.5			6 cm diorite dyke @ 90°											
263	283		mainly non porphyritic phase											
294	298		non porphyritic phase											
298	299		chlor-ser-hem vnlt @ 0°											
318			0.5 cm qtz-ser-hem vnlt @ 0°											
319.5			1 cm qtz-ser-hem vnlt @ 30°											
324			0.5 cm ser-chlor-hem vnlt @ 60°											
324.5	325		numerous ser-epidote vnlts @ 45°											
326			numerous ser-epidote vnlts @ 45°											
355	392		ALTERED QTZ MONZONITE-strong sericitization and bleaching											
			strong sericite veining causes local brecciation											
			weak dis black sulphides and hematite											
366.5	371.5		less altered qtz. monzonite cut by network hematite veinlets											
368	369		more mafic (diorite?) dyke @ 45°											
			jagged & gradational contacts	84043	370.5	372	1.5							
371.5	378		strong altn, but very trace sulphides	84044	372	374	2.0							
				84045	374	376	2.0							
378	380		"HANGING WALL STRINGER SULPHIDE ZONE"	84046	376	378	2.0							
378	379		clay gouge - few sulphides	84047	378	379	1.0							
379	380		strong stringer & diss py	84048	379	380	1.0							
			2 cm (1") sulphide bx. vein (py-sphal-gal) @ 65°											
380	380.5		5" Qtz-carb-py-gal-cpy-sphal vein @ 65°	84049	380	380.5	0.5							
380.5	392		"FOOTWALL STRINGER SULPHIDE ZONE"	84050	380.5	382	1.5							
			weak sulphide stringers & disseminations in altered monzonite											
381.8			1 cm-msv qtz-py-cpy vein @ 60° with disseminations & veinlets to 382'											
				84051	382	384	2.0							

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Depth From	Depth To	Recovery	Description	Sample No.	From	To	Width of sample	Analytical Results Au	Ag	Cu	Pb	Zn	As	Sb
				80256	351	353	2.0							
				80257	353	355	2.0							
				80258	355	357	2.0							
357	357.3		2cm qtz-carb-clay-pyrite-gal vein @ 40°	80259	357	357.3	0.3							
357.3	359		steep (10°) qtz-ser-py-sphal-gal vnlts in clay altered zone	80260	357.3	359	1.7							
359	361		2-1cm qtz-ser-carb-py-sphal veins @ 20° 2-1 cm qtz-py-sphal veins @ 05° & 30°	80261	359	361	2.0							
361	363		few hairline vnlts & diss hem & py clay zone	80262	361	363	2.0							
363	371		diss hem & py; few sulphide vnlts	80263	363	365	2.0							
367			sulphide vnlts	80264	365	367	2.0							
369			sulphide vnlts	80265	367	369	2.0							
370			sulphide vnlts	80266	369	371	2.0							
378	380		less altered zone											
383	392		QUARTZ MONZONITE - generally unaltered to weak sericitization & bleaching; hem on fracs											
392			strong bleaching EOH											

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DIAMOND DRILL RECORD

PROPERTY: TINTA HILL, YUKON

HOLE NO.: TH-88-07
SHEET NO: 1

Footage	Dip Test Angle Reading	Corrected
755	65°	60

Hole No.: 88-07
Section: 15+00E/4+0° N
Date Begun: December 17, 1988
Date Finished: December 20, 1988
Date Logged: December 19, 1988

Lat.: 62° 17' Long.: 137°
Dep.: -60°
Bearing: 212°
Elev. Collar: 4020'

Total Depth: 755 feet
Logged by: D. Ferguson
Claim: Tinta 1 & 2
Core Size: NQ

Depth From	Depth To	Recovery	Description	Sample No.	From	To	Width of sample	Analytical Results Au	Ag	Cu	Pb	Zn	As	Sb
0	8		CASING											
8	33		DIORITE dark green fine grained with med grained cal-alkalic white feldspar phenocrysts, numerous qtz-fspar veinlets and flooded zones moderate chloritization											
33	47		MIXED ZONE - alternating bands of DIORITE and QUARTZ MONZONITE											
47	64		QUARTZ MONZONITE med grained, light to dark grey, hypidiomorphic granular relatively unaltered - weak chloritization											
57			1.5 cm qtz-ser-hem vein @ 60°											
58	59		moderate sericitization & chloritization											
60.5	61		k-spar porphyritic phase											
64	80		MIXED ZONE - Alternating bands of DIORITE AND QUARTZ MONZONITE											
65	67		hematite, chlorite-epidote vnlts											
72.5			1 cm qtz vein @ 45°											
75	77		moderate hem-chlor-ser altn											

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Depth From	Depth To	Recovery	Description	Sample No.	From	To	Width of sample	Analytical Results Au	Ag	Cu	Pb	Zn	As	Sb
80	93		QUARTZ MONZONITE											
80	83		ser-chlor-hem veining @ 0°											
89.5	91.5		k-spar porphyritic phase hem-chlor-ser vnlts @ 0°											
93	124		MIXED ZONE - Alternating DIORITE and QUARTZ MONZONITE Bands											
113	116		ntwk cc-epidote vnlts											
116	123		k-spar porphyritic QUARTZ MONZONITE											
121	122		strong chloritization											
124	168.5		QUARTZ MONZONITE relatively unaltered zones of chloritization and sericitization											
124			6 cm chlor-hem-ser flooding @ 45°											
124	128		local sericite flooding											
131			local ser-epidote flooding											
141	142		k-spar porphyritic phase											
150	155.5		k-spar porphyritic											
157	158		0.5 cm ser-hem vnlt set @ 45°											
161			2 cm qtz-ser-py vein @ 45°											
161	162		k-spar porphyritic, kspar veins & flooding											
168.5	201		QUARTZ MONZONITE											
168.5	173		mod to strong bleaching & sericitization sericite stringers-weak diss hematite											
168.5			2 cm, sericite-sphal-gal-py-cpy vein @ 30°											
173	181		weak bleaching in bands sericite vnlts @ 45° to 70°											
181	182		mod ser. altn and bleaching around qtz vnlt @ 45° (trace py)											
182	186.5		weak altn											
186.5	189		mod ser altn and bleaching - some chloritization 2 cm ser vein @ 45° 1 cm qtz-py-cpy veins @ 0° and 30°											
189	194		weak silicification & k-spar flooding											

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Depth From	Depth To	Recovery	Description	Sample No.	From	To	Width of sample	Analytical Results Au	Ag	Cu	Pb	Zn	As	Sb
194	196		strong silicification and k-spar flooding qtz-py-cpy-sphal vnlt @ 0°	84100	194	196	2.0							
			0.5 cm qtz-py-cpy vein @ 45°	84101	196	198	2.0							
196	200.5		relatively unaltered	84102	198	200.5	2.5							
200.5	347		QUARTZ MONZONITE - mod to strong sericitization and bleaching - sulphide vnlts common	84103	200.5	202	1.5							
202	202.25		2 1/2" banded quartz-carb-ser-py-sphal-cpy-gal vein @ 45°	84104	202	202.25	0.25							
202.25	207		yellow oxide weathered on upper contact weak diss & vnlt sulphides	84105	202.25	204	1.75							
				84106	204	206	2.0							
				84107	206	209	3.0							
207	209		relatively unaltered section	84108	209	210.5	1.5							
211.5			1 cm qtz-carb-sphal-py vein 45°	84109	210.5	212	1.5							
212	213.5		two - 0.5 cm qtz-py-sphal-cpy-gal vns @ 45°	84110	212	213.5	1.5							
213.5	214.5		hanging wall stringer sulphide zone to vein	84111	213.5	214.5	1.0							
214.5	215		6" brecciated qtz-carb-py-cpy-sphal-gal BANDED VEIN @ 60° (strong diss sulphides)	84112	214.5	215	0.5							
215	222.5		mod to strong stringer & diss sulphides	84113	215	217	2.0							
			veinlets generally at steep angles to C.A.	84114	217	219	2.0							
				84115	219	221	2.0							
				84116	221	222.5	1.5							
222.5	224.5		STRONG QUARTZ VEINING @ 20-30° in strongly sericitized, chloritized and clay altered zone - semi msv py-cpy-sphal-gal in veins	84117	222.5	224.5	2.0							
224.5	225.5		CLAY GOUGE VN FOOTWALL - dark grey (heavy sulphide) grading to light grey	84118	224.5	225.5	1.0							
225.5	231		host rock altered to clay - sulphide vnlts and disseminations	84119	225.5	227	1.5							
				84120	227	229	2.0							
				84121	229	231	2.0							
231	236		Strong qtz-carb veining @ 45° and 0° associated sulphide mlzn	84122	231	233	2.0							
				84123	233	235	2.0							
235.5			3cm qtz-carb-py-cpy vein @ +/- 45°	84124	235	236	1.0							

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Depth From	Depth To	Recovery	Description	Sample No.	From	To	Width of sample	Analytical Results Au	Ag	Cu	Pb	Zn	As	Sb
236	242		carb veining brecciates bleached host	84125	236	238	2.0							
				84126	238	240	2.0							
				84127	240	242	2.0							
242	246		PERVASIVE QTZ-CARB-MSV TO DISS SULPHIDE	84128	242	244	2.0							
			veining thru host (10% host in section)	84129	244	246	2.0							
			py-cpy-sphal-gal mlzn											
			upper contact @ 45°											
246	247.3		stringer sulphides	84130	246	247.3	1.3							
247.3	248		strong network 1 to 2 cm wide qtz-carb-py	84131	247.3	248	0.7							
			cpy-sphal-gal veins @ 30° to 90°											
248	251.5		STRONG QTZ-CARB-SEMI MSV to MSV PY-CPY-SPHA	84132	248	250	2.0							
			-GAL VEIN @ 80°	84133	250	251.5	1.5							
251.5	269	90%	SULPHIDE STRINGER ZONE in mod to strong clay	84134	251.5	253	1.5							
			altered section	84135	253	255	2.0							
			numerous qtz-carb-sulphides vnlts & veins	84136	255	257	2.0							
			often brecciate host	84137	257	259	2.0							
				84138	259	261	2.0							
				84139	261	263	2.0							
				84140	263	265	2.0							
				84141	265	267	2.0							
				84142	267	269	2.0							
269	276	60%	light to dark grey, heavily pyritized	84143	269	271	2.0							
			80% CLAY GOUGE ZONE	84144	271	273.5	2.5							
			numerous qtz-carb stringers	84145	273.5	276	2.5							
276	283		pale grey, clay-rich, bleached breccia	84146	276	278	2.0							
			few sulphide stringers or disseminations	84147	278	280	2.0							
				84148	280	282	2.0							
				84149	282	283	1.0							
283	287		strong ser. altn zone with numerous qtz-carb	84150	283	285	2.0							
			veins and hem. vnlts @ 45°	84151	285	287	2.0							
287	293		less altered section of QTZ MONZONITE	84152	287	291	2.0							
			weak bleaching and ser. altn	84153	291	293	2.0							
287.5			strong hem. flooding											
293	319		strongly bleached and sericitized stringer	84154	293	295	2.0							
			sulphide zone around vein	84155	295	297	2.0							

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Depth From	Depth To	Recovery	Description	Sample No.	From	To	Width of sample	Analytical Results Au	Ag	Cu	Pb	Zn	As	Sb
298.5			strong sericite flooding	84156	297	299	2.0							
				84157	299	301	2.0							
302			1 cm qtz-py vein @ 30° plus associated vnlts	84158	301	303	2.0							
				84159	303	305	2.0							
305.5	307.5		strong ser. flooding and associated diss py	84160	305	307	2.0							
				84161	307	309	2.0							
				84162	309	311	2.0							
				84163	311	313.5	2.5							
313.5	314		1.5 cm qtz-py vein @ 30°	84164	313.5	314	0.5							
314	315		8" QTZ-CARB-MSV PY BX VEIN @ 30° (upper contact);45° (lower contact)	84165	314	315	1.0							
315	316		steep py vnlt cuts bx zone	84166	315	316	1.0							
				84167	316	317.5	1.5							
317.5	319		hematite-coated fracs	84168	317.5	319	1.5							
319	347		strong bleaching; moderate hematization	84169	319	322	3.0							
324	326		less altered zone	84170	322	325	3.0							
				84171	325	328	3.0							
328	331		strong vnlt. py-hematite & diss py	84172	328	329.5	1.5							
				84173	329.5	331	1.5							
332	336		bleached k-spar porphyry;diss hem & weak py	84174	331	332	1.0							
				84175	332	334	2.0							
				84176	334	336	2.0							
336	347		mod to strong py-hem stringers & diss py	84177	336	338	2.0							
				84178	338	339.5	1.5							
339.5	340		strong py stringers & diss	84179	339.5	341.5	2.0							
341.5	343		strong ser alt. around 1 cm qtz-carb-py vn @ 30°	84180	341.5	343	1.5							
				84181	343	345	2.0							
				84182	345	347	2.0							
347	398		QUARTZ MONZONITE - ALTERATION MIXING relatively unaltered bands of host rock alternate with bands of mod to strong zones of sericitization and bleaching hematization and chloritization also vary in strength throughout this section											
347	352		relatively unaltered - weak chloritization											
352	357		mod to strong bleaching and sericitization weak diss hem & py											

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Depth From	Depth To	Recovery	Description	Sample No.	From	To	Width of sample	Analytical Results Au	Ag	Cu	Pb	Zn	As	Sb
356.5			0.5 cm qtz-carb-ser-py vnlt @ 40°											
357	367		mod ser. hem and chlor altn											
359			qtz-py vnlt @ 30°											
362	362.5		strong py vnlts @ 90° in clay gouge zone											
362.5	363		chlor-hem gouge zone											
367	378		mod to strong hem-chlor altn											
369.5	371		k-spar flooded zone											
372	373		bleached zone											
373	374		k-spar flooded and bleached zone											
378	387.5		strong ser altn & bleaching - weak hematite zone of stringer py vnlts	84183	378	380	2.0							
380	381.5		qtz-car-py-bx veining @ 30° plus sulphide stringers @ 45°	84184	380	381.5	1.5							
382.5	383.5		mod chlor-hem altn	84185	381.5	383.5	2.0							
				84186	383.5	385.5	2.0							
387.5	398		mod ser altn and bleaching of k-spar porphyritic monzonite k-spar flooding prevalent throughout	84187	385.5	387.5	2.0							
398	590		QUARTZ MONZONITE - relatively unaltered zones of weak to mod. chlor-hem altn. few narrow zones of ser-altn & bleaching											
408	409		k-spar porphyritic phase											
410.5	413		k-spar flooded zone - hem. fracs											
414.5	415		bleached zone cut by qtz-carb hem vn @ 45°											
419	423		mod to strong bleaching & hematization numerous hem. vnlts & flooding											
420			8 cm qtz-carb-ser-hem vein @ 90°											
421			1 cm qtz-carb-hem vein @ 70°											
424.5			1 cm qtz-carb-ser-hem vein @ 45°											
437	438.5		bleached & silicified k-spar porphyritic phase											
438.5	441		mod bleaching grades to strong ser altn with diss py											
440.5			5 cm qtz-carb-ser vein with fine diss py											
445	447		k-spar flooded zone grades into											

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Depth From	Depth To	Recovery	Description	Sample No.	From	To	Width of sample	Analytical Results Au	Ag	Cu	Pb	Zn	As	Sb
447	458		k-spar porphyritic phase											
463	494		k-spar porphyritic phase dominant											
466			1 cm qtz-carb-py vn @ 80°											
481	482		strong ser veining & vnlts in vicinity of healed qtz-fspar vein											
486			1 cm sericite vein @ 30°											
491.5			1 cm sericite vein @ 20°											
499			6" qtz-feldspar vein @ 60°											
506	508		steep chlor-cc-hem vnlt											
508	517		dominantly k-spar porphyritic											
522	527		mod bleaching grades downward to strong bleaching and sericitization-diss hem.											
523.5			4 cm, qtz-carb-ser vein @ 45 with weak diss py											
524.5			2 cm qtz-carb-ser-hem vein @ 30°											
536			6 cm ser-carb-hem vein & altn halo @ 45°											
546			1 cm qtz-carb-hem vein @ 60° in weakly chloritized zone											
551	554		zones of mod to strong chlor-hem altn											
582	583		strong sericitization & mod bleaching ser-chlor-hem veining (ropey) @ 45° stringer py-cpy-sphal-gal & weak diss sulphides											
585	590		mod chloritization & hematization - some epidote vnlts											
			ALTERED QUARTZ MONZONITE											
590	603.5		strong sericitization-chlor altn & bleaching local hematization											
			stringer, vein and disseminated sulphides	84188	590	592	2.0							
592	593.5		five - 1 to 2 cm wide qtz-carb-py-sphal gal-cpy veins @ 30°	84189	592	593.5	1.5							
				84190	593.5	595	1.5							
				84191	595	597	2.0							
				84192	597	599	2.0							
				84193	599	600	1.0							
600	600.75		6" qtz-carb-ser-chlor-py-cpy-sphal-gal vein @ 30	84194	600	600.75	0.75							

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Depth From	Depth To	Recovery	Description	Sample No.	From	To	Width of sample	Analytical Results Au	Ag	Cu	Pb	Zn	As	Sb
600.75	603.5		Footwall stringer zone (stronger closer to vein)	84195	600.75	602	1.25							
				84196	602	603.5	1.5							
603.5	608.5		mod to strong chlor-hem atln in bx'd zone											
608.5	614.5		mod to strong bleaching-network hematite, sericite and chlorite veins & vnlts											
614			weakly pyritized veinlet											
614.5	625.5		mod chlor-hem altn - numerous ser-hem-chlor vnlts											
222			py-sphal-gal vnlts @ 45° in bleached zone											
625.5	671		mod to strong bleaching and sericitization	84197	625.5	627	1.5							
625.5	658		SULPHIDE STRINGER ZONE	84198	627	629	2.0							
635			sulphide stringers & sericitization	84199	629	631	2.0							
			strengthen downward towards vein	84200	631	633	2.0							
635	636		1 cm qtz-carb-py-sphal-gal vein @ 10°	84201	633	635	2.0							
638.9			1 cm qtz-carb-ser-py-cpy-sphal-gal vn @ 40°	84202	635	637	2.0							
639.1			1 cm qtz-carb-ser-py-cpy-sphal-gal vn @ 40°	84203	637	639	2.0							
639.5			1 cm qtz-carb-py-sphal-gal vn @ 40° plus associated vnlts	84204	639	640.5	1.5							
				84205	640.5	642	1.5							
642	644		2 FT QTZ-CARB-MSV-SPHAL-PY-GAL-CPY BX VEIN 40°	84206	642	644	2.0							
645			1cm msv-sphal vein @ 20	84207	644	646	2.0							
646	647		vuggy sericitized sulphide vnlt zone	84208	646	647	1.0							
647	648.25		QTZ-CARB-MSV-PY-SPHAL-CPY-GAL BX VEIN @ 25° to 30°	84209	647	648.25	1.25							
649			4 cm (1.5") qtz-carb-py-cpy vein @ 30°	84210	648.25	650	1.75							
649.5			msv sphal vnlt											
650	652		strongly bleached zone	84211	650	652	2.0							
653			1 cm qtz-ser-sphal-py-cpy vn @ 40°	84212	652	654	2.0							
				84213	654	656	2.0							
655.9			1cm qtz-ser-sphal-gal vn @ 30°											
656	658		three 0.5 cm qtz-ser-sphal-gal vns	84214	656	658	2.0							
658	671		very weak sulphides in vnlts & few diss											
662			3 cm ser flooded zone @ 45° with vnlt sphal-gal & py											
666	666.5		two 1 cm qtz-carb-ser-hem vns @ 30° and 60°											

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Depth From	Depth To	Recovery	Description	Sample No.	From	To	Width of sample	Analytical Results Au	Ag	Cu	Pb	Zn	As	Sb
671			QUARTZ MONZONITE - relatively unaltered few ser chlor and hem vnlts & narrow ser-altd zones											
671	691		weakly k-spar porphyritic											
696	728		dominantly k-spar porphyritic											
728	755		non-porphyritic - dark grey mod chloritization											
EOH														

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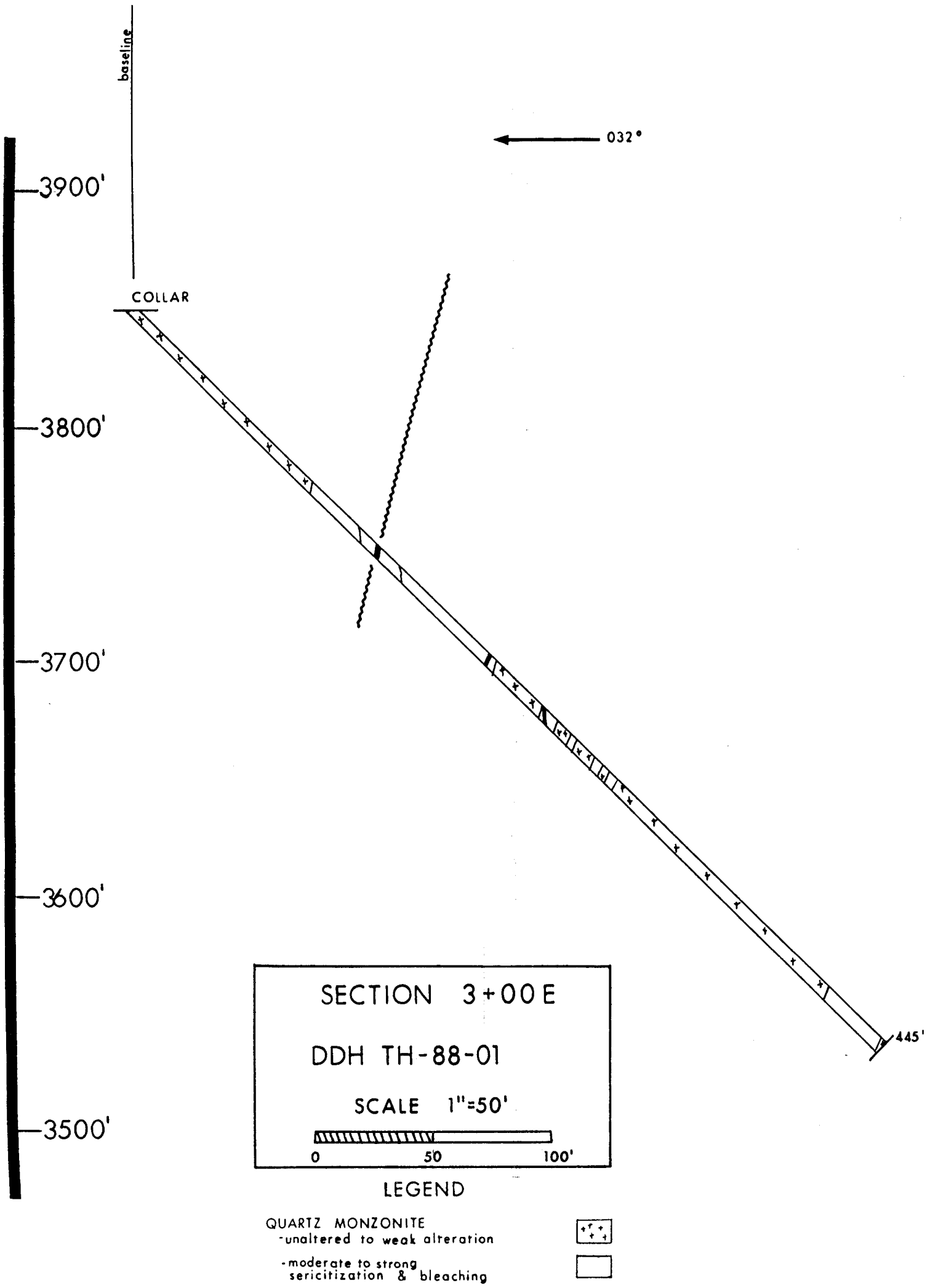
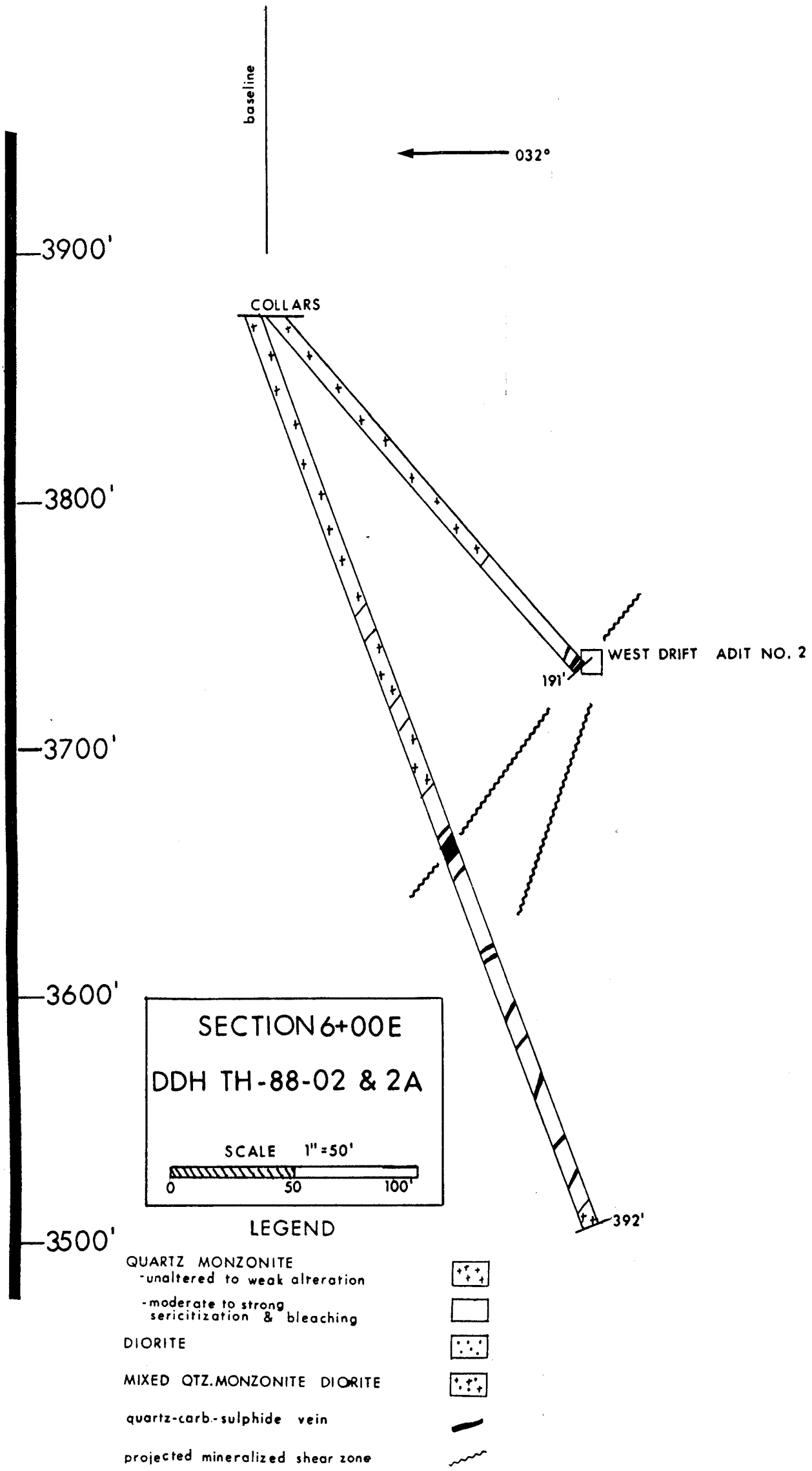
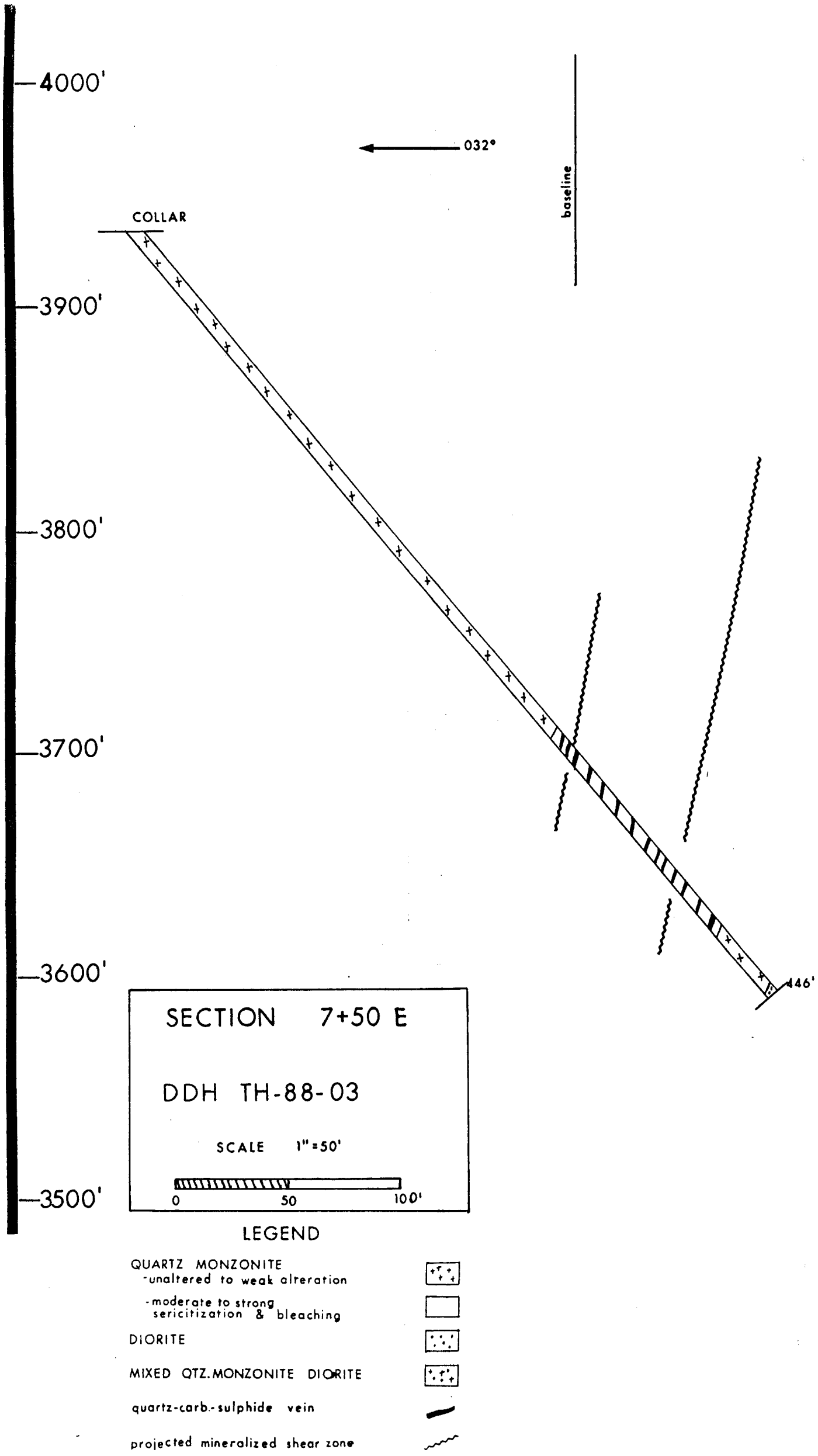

baseline
032°
3900'
3800'
3700'
3600'
3500'
COLLAR
445'
SECTION 3+00E
DDH TH-88-01
SCALE 1"=50'
0
50
100'
LEGEND
QUARTZ MONZONITE
-unaltered to weak alteration
-moderate to strong sericitization & bleaching
DIORITE
MIXED QTZ.MONZONITE DIORITE
quartz-carb.-sulphide vein
projected mineralized shear zone

092750


baseline
032°
3900'
3800'
3700'
3600'
3500'
COLLARS
WEST DRIFT ADIT NO. 2
191'
392'
SECTION 6+00E
DDH TH-88-02 & 2A
SCALE 1"=50'
0
50
100'
LEGEND
QUARTZ MONZONITE
-unaltered to weak alteration
-moderate to strong sericitization & bleaching
DIORITE
MIXED QTZ.MONZONITE DIORITE
quartz-carb.-sulphide vein
projected mineralized shear zone

092750



SECTION 7+50 E

DDH TH-88-03

SCALE 1"=50'

0 50 100'

LEGEND

QUARTZ MONZONITE
-unaltered to weak alteration

-moderate to strong sericitization & bleaching

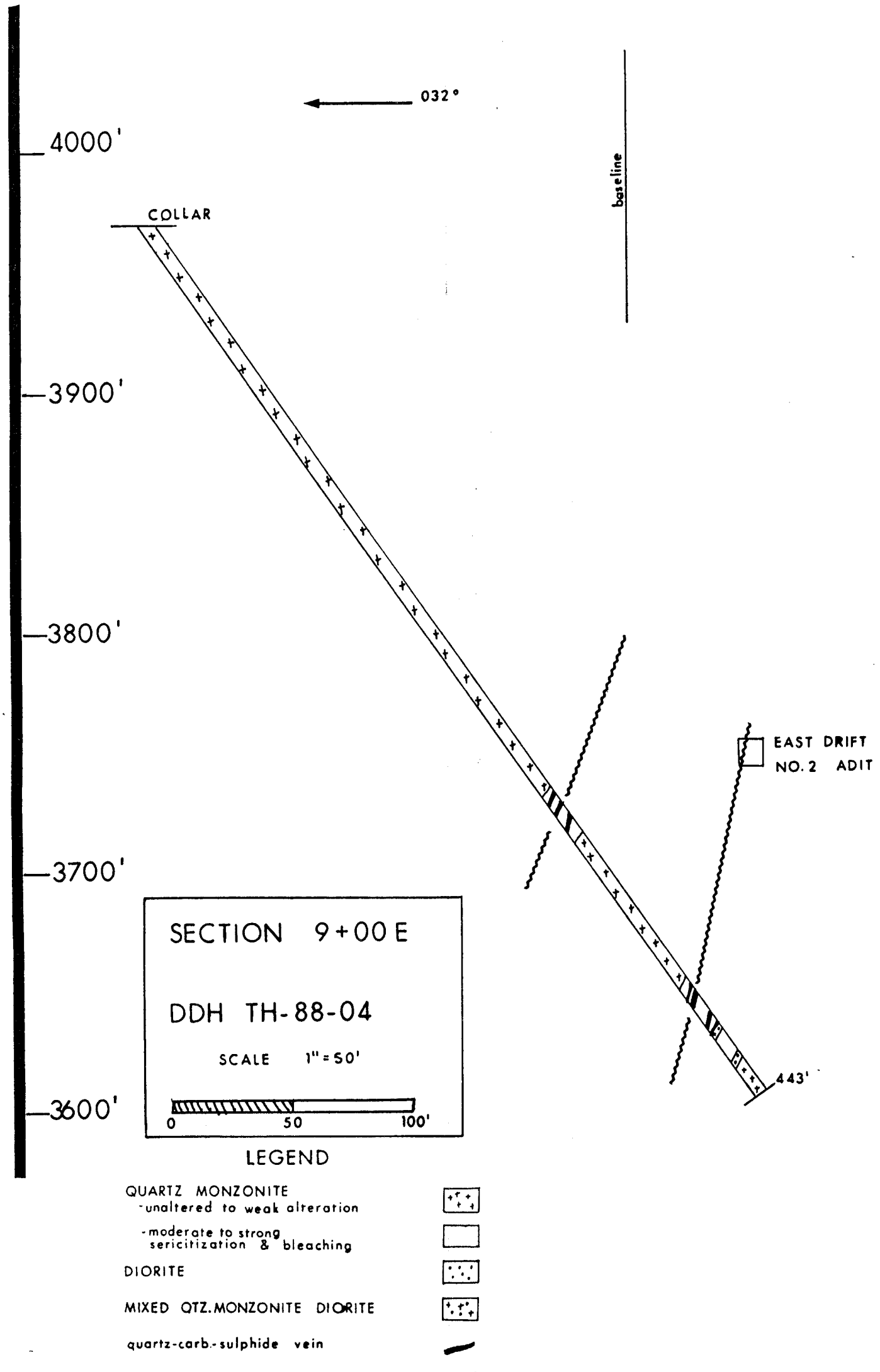
DIORITE

MIXED QTZ.MONZONITE DIORITE

quartz-carb.-sulphide vein

projected mineralized shear zone

092750


032°
baseline
4000'
3900'
3800'
3700'
3600'
COLLAR
EAST DRIFT
NO. 2 ADIT
443'
SECTION 9+00 E
DDH TH-88-04
SCALE 1" = 50'
0
50
100'
LEGEND
QUARTZ MONZONITE
-unaltered to weak alteration
-moderate to strong sericitization & bleaching
DIORITE
MIXED QTZ. MONZONITE DIORITE
quartz-carb.-sulphide vein
projected mineralized shear zone

092750

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& RESOURCES LIBRARY
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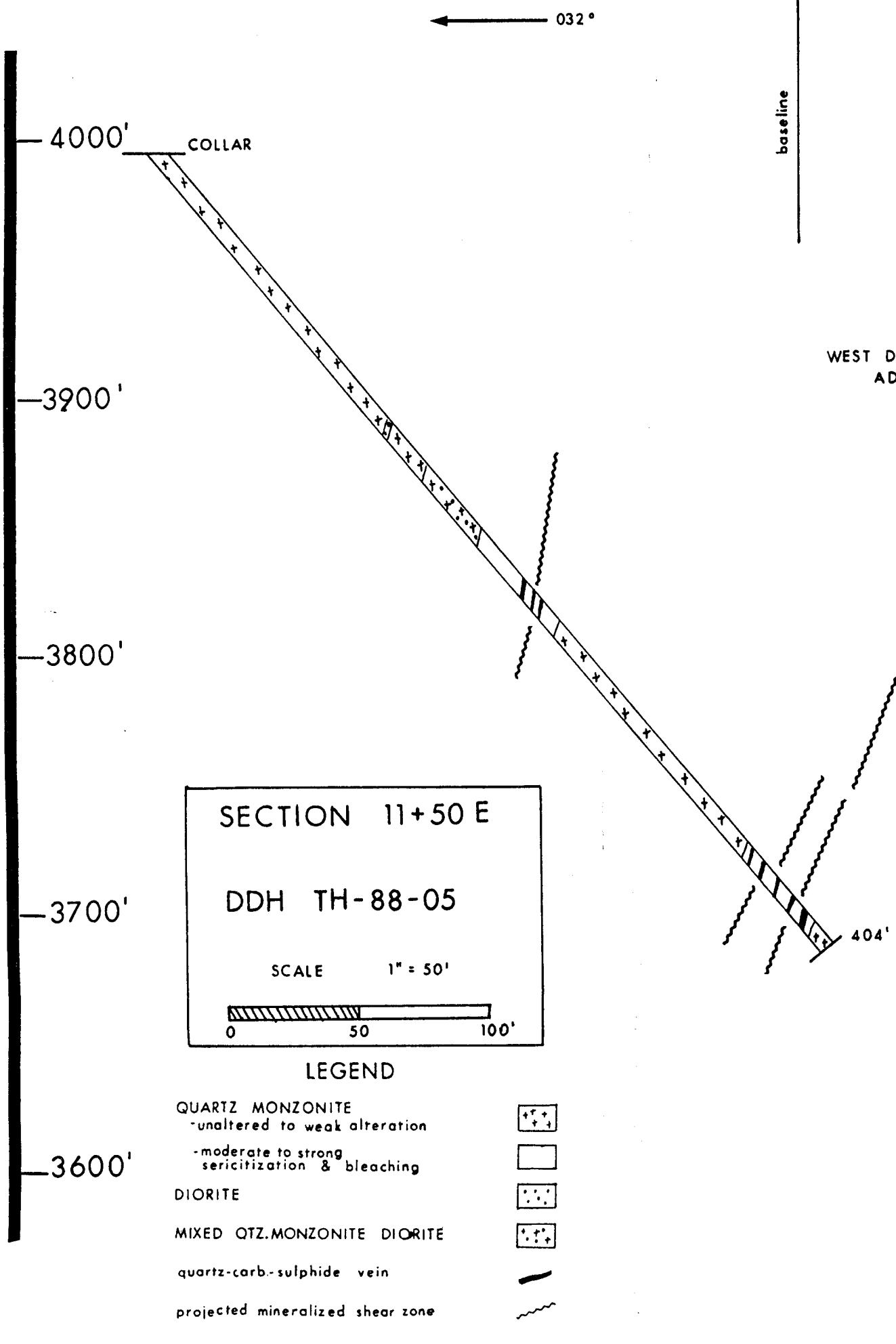
WHITEHORSE, YUKON Y1A 2C6



092150

4100'

4000'

3900'

3800'

3700'

3600'

3500'

032°

baseline

COLLAR

WEST DRIFT
ADIT NO.3

676'

SECTION 13+00 E

DDH TH-88-06

SCALE 1" = 50'

0 50 100'

LEGEND

QUARTZ MONZONITE
- unaltered to weak alteration

- moderate to strong sericitization & bleaching

DIORITE

MIXED QTZ. MONZONITE DIORITE

quartz-carb.-sulphide vein

projected mineralized shear zone

092750

4100'

4000'

3900'

3800'

3700'

3600'

3500'

3400'

3300'

032°

baseline

COLLAR

WEST X-CUT

WEST DRIFT

ADIT NO.1

755'

LEGEND

QUARTZ MONZONITE
-unaltered to weak alteration

-moderate to strong sericitization & bleaching

DIORITE

MIXED QTZ.MONZONITE DIORITE

quartz-carb.-sulphide vein

projected mineralized shear zone

SECTION 15+00 E

DDH TH-88-07

SCALE 1"=50'

0 50 100'

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MINING RECORDERS OFFICE
WHITEHORSE, Y.T.

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REFERENCE NO.	DDH NO.	TRUE WIDTH	Au opt	Ag oz/t	CU %	PB %	ZN %
1	60-1	7.5'	.02	.02	.03	.33	1.06
2	60-1	3.9'	.07	6.05	.20	11.18	9.32
3	60-2	5.4'	.078	5.19	.49	3.25	5.01
4	60-3	7.5'	.039	1.64	.08	1.76	2.76
5	60-4	7.9'	.039	.98	.42	1.12	6.02
6	60-4	5.7'	.182	2.81	.77	1.47	2.57
7	60-5	3.5'	.005	.18	.01	1.10	1.70
8	60-5	8.9'	.065	5.89	.38	4.85	3.25
9	73-1	4.6'	.292	3.00	.62	2.70	5.96
10	73-2	3.9'	.073	1.72	.47	1.57	5.12
11	73-3	5.4'	.022	1.66	.27	9.55	3.33
12	73-4	1.0'	.09	2.80	1.25	3.40	10.10
13	74-1	5.1'	.007	1.90	.09	1.50	2.90
14	74-1	2.1'	.02	12.80	.21	1.65	3.35
15	74-2	5.7'	.09	14.50	.38	34.10	17.63
16	74-3	5.0	.076	1.10	.50	.24	1.59
17	74-4	5.3'	.031	1.49	.95	.15	.17
18	74-5	3.5'	.02	.39	.69	.13	.15
19	74-9A	5.2'	.11	2.55	1.06	1.05	1.82
20	74-10	6.4'	.134	9.53	1.07	3.49	2.15
21	74-11	2.5'	.02	21.40	.03	7.15	2.00
22	74-12	8.1'	.08	10.70	.20	11.25	21.30
23	74-13	4.1	.015	1.45	.04	.62	1.63
24	74-14	7.2'	.022	1.83	.04	2.49	4.01
25	74-16	4.3'	.09	13.20	.34	8.20	8.80
26	74-17	4.0'	.053	2.10	.08	2.39	3.29
27	74-17	10.1	.065	9.35	.12	12.17	7.38
28	74-19	9.4'	.010	3.16	.07	2.06	5.06
29	76-1	6.5'	.022	1.89	.07	1.64	4.28
30	82-1	4.24'	.181	6.69	.50	1.55	1.89
31	82-2	3.5'	.115	3.35	.62	.17	.47
32	82-3	3.9	.002	.57	.08	.86	.16
33							
34							
35							
36							
37							
38							
39							
40							
41							
42							
43							
44							
45							

TINTA HILL, Y.T.

1960 to 1988 DRILL HOLE LOCATION MAP

OVER MAIN SHEAR ZONE (157) 115 I 6/7

SCALE 1 inch = 100 feet

LEGEND

- previous diamond drill holes
- 1988 diamond drill holes
- assumed surface projection of major shear zones
- underground workings
- road

0 50 100 200 300 400 feet

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