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											

092750

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											

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							

092760

Sheet No. 4

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							

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											

0927-H

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											

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							

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	84204	639	640.5	1.5							
			associated vnlts	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°											

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														