DIAMOND DRILL RECORD

013323

Property: FISH LAKE
Hole No.: Q-73-1 Page No.: 1
District:
Commenced:
Completed: April 1973

Length: 600'
Bearing:
Inclination:

Lat.: 10,000 N
Dept.: 10,000 E
Elev.:

Drill Type: 38
Hole Size: BQ
Contractor: Longyear

Logged by: M.R. Wolfhard
Approved by: Date:

FOOTAGE From	FOOTAGE To	SAMPLE No.	Length	% Rcy.		ALTERATION Q	KF	Bi	Chl.	Cl.	Ser.	Ep.	Cb.	Sul.	% Sulph.	Diss./ Vein	Py/Cpy	Mag.
0	166				Casing													
166	175	5951			Porphyritic (±quartz) diorite II to (quartz)diorite porphyry II. Fel. 1/2 - 1 X 1 - 2. 2° matrix biotite. Feldspar fresh or cream colored and soft. Biotite chloritized near quartz pyrite chlorite veinlets. Most sulphides disseminated. Some pyrite in quartz pyrite chlorite veinlets. Late clay? Fractures have no sulphides. Note: magnetite associated with disseminated sulphides, and is not altered to hematite.	F/		/D	minor F/D	minor F/D?	/		F?		2		5/1	
175	205	5952 5953			Same rock type as 166 - 175, bleached, no mafic, all feldspar weak to medium soft, magnetite altered to hematite. Pyrite, chalcopyrite, nematite disseminated; pyrite, chalcopyrite, hematite in quartz veinlets. Only difference 170 vs 180 is 1 - 5 mm quartz veinlets, no sericite envelope, spaced 5 per foot.	F/		/	/	F/D			F/		2		5/1	
205	298	5954 5955 5956 5957 5958 5959 5960 5961			Similar to 166 - 175, no altered feldspar, some fractured magnetite. Pyrite/ chalcopyrite 1/1 in disseminated mode which contains most of Cu. Pyrite fractures ± chlorite have most of the rest of the sulphides. These bleach to 2° biotite. There are a few quartz 1 pyrite veinlets.	F/		/D	F/D						2		3/1	
298	368.5	5962 5963 5964			Porphyritic quartz diorite III. Fresh feldspar, chloritized hornblende, trace disseminated pyrite. 20% 1 - 2mm feldspar, 10% 1/2 X 2mm hornblende. Post mineral.													
368.5	385.5	5965 5966			As 205 - 298										3		3/1	

DIAMOND DRILL RECORD

Property FISH LAKE
Hole No. Q-73-1 Page No. 2
District
Commenced
Completed

Length
Bearing
Inclination

Lat.
Dept.
Elev.

Drill Type
Hole Size
Contractor

Logged by
Approved by Date

FOOTAGE From	FOOTAGE To	SAMPLE No.	Length	% Rcy.		ALTERATION Q	KF	Bi	Chl.	Cl.	Ser.	Ep.	Cb.	Sul.	% Sulph.	Diss./ Vein	Py/Cpy	Mag.
385.5	395				Porphyritic quartz diorite I	F/			/D						1 1/2		2/1	
					Feldspar fresh mafic chlorite, magnetite fresh.													
					Quartz, pyrite, chalcopyrite veinlets. Disseminate pyrite,													
					chalcopyrite. Most Cu in veinlets. Rock cuts type II													
395	404				Type II													
404	410	5967			Type I - intrudes but does not alter Type II.													
					Evidence - I chilled against II.			minor										
410	508	5968			Quartz diorite porphyry II.	F/		F/D	F/						2		2/1 to	
		5969															1/2	
		5970			Feldspar fresh, matrix 20 - 30% fig. 2° biotite.													
		5971			Sulphides mainly disseminated near 410, mainly fracture													
		5972			near 508.													
		5973			Pyrite/chalcopyrite 2 or 3/1 near 410, 1/ 1-2 near													
		5974			508, Total sulphides remains constant.													
		5975			Patchy ult. to chlorite toward 508, but contact with													
		5976			next is sharp.													
					Bleached 433 - 440, some fault gouge, @ 20° to													
					core axis.													
508	600	5977			Quartz diorite porphyry II, light colored.	F/			/D	F?/D	F/D		F/	F/	1 1/2		2/1 o.a.	
		5978			Minor disseminated chlorite 508 - 530, 560 - 600.										to 4		5/1 with strong	
		5979			In these intervals, feldspar is soft but visible. Clots												sericite	
		5980			of sericite with pyrite, chalcopyrite, contain 1/2													
~~END OF HOLE~~		5981			the Cu.													
		5982			508 - 530													
		5983			530 - 560 strong pervasive sericitization													
		5984			560 - 600 sericite stockwork													
		5985																
		5986			Quartz, pyrite, chalcopyrite stockwork throughout.													
					Pyrite/chalcopyrite 1/2 in disseminated mode,													
					3/5 in fractured mode.													
					Total sulphide higher in strong sericite zone.													
					Flesh coloroud anhydrite 570 - 600.													
					Some Type I 560 - 570													

DIAMOND DRILL RECORD

Property: FISH LAKE
Hole No.: Q-73-2 Page No.: 1
District:
Commenced: April 1973
Completed: 5

Length: 428'
Bearing:
Inclination: - 90

Lat.: 10,550N
Dept.: 9570 E
Elev.: 4750

Drill Type: 38
Hole Size: BQ
Contractor: Longyear

Logged by: M.R. Wolfhard
Approved by:
Date: June 10.73

FOOTAGE From	FOOTAGE To	SAMPLE No.	Length	% Rcy.		ALTERATION Q	KF	Bi	Chl.	Cl.	Ser.	Ep.	Cb.	Sul.	% Sulph.	Diss./ Vein	Py/Cpy	Mag.
0	120				Casing				minor									
120	131				Hornfels, py, cpy, disseminated; mainly in quartz	F/			F/D						1%		1/3	
					veinlets. Mag. fresh, monor MoS_2. Chlorite clots.													
131	256	6020	10		Porphyritic quartz diorite I. Probably Type III, 135 - 144	F/			/D	/D	F/				3/4%		1/4	
		6021	"		Type I has 3 - 4% subhedral quartz phenos. Altered													
		6022	"		mainly feldspar fresh to medium soft, mafics, chlorite													
		6023	"		mag. fresh.													
		6024	"		Felsite with quartz stockwork 203 - 208.													
		6025	"		Mineral is 90% in quartz-sericite (not sericite envelope)													
		6026	"		fractures. Cpy, Py, trace Bn.													
		6027	"															
		6028	"															
		6029	"															
		6030	"															
256	299	6031	"		Hornfels as 120 - 131. Minor unchloritized biotite.	F/		/D	F/D						1/2 +		1/3	
		6032	"		Quartz ± chlorite, Py. Cpy, veinlets in stockwork										1%			
		6033	"		Bleached near 299. Sulphide all in veinlets which are													
		6034	"		mainly bleached and chloritized.													
		6035	"															
299	369.5		"		Type III.													
369.5	373	6036	"		Type II chloritized, clay altered													
373	379				Type III? bleached, no sulphides													
379	392	6037	"		Quartz diorite porphyry, bio, retrograde chlorite related	F/		/D	/D	/D	/F			/F	2%		2/1	
					to Py, Qtz, sericite envelope veinlets.													
					Gypsum veinlets. Feldspar fresh to medium soft, cream													
					colored. Magnetite fresh.				minor									
392	414	6038	"		Hard, lenco, tan to cream felsite, minor clay altered	F/D			/D	/D	F/		F/	F/	1%		1/1	
		6039	"		Quartz feldspar porphyry, similar to Type I, with diss-													
					eminated Bn.													
					Mag. altered to hematite in veinlets. Most Cu disseminated					minor								
414	428	6040	"		Porphyritic quartz diorite II, feldspar, w. soft, mafic	F/		/D	/D	/D	/		/F	F/	3/4%		1/3	
		6041	"		partly chloritized. Some fresh 2° biotite in matrix.													
					Quartz veinlets partly barren. Anhydrite veinlets barren.													
					Mag. fresh. Cu as Cpy in fractures and very thin quartz													
					veinlets. Mag. fresh in veinlets.													
E.O.H.																		

DIAMOND DRILL RECORD

Property: FISH LAKE
Hole No.: Q-73-3 Page No.: 1
District:
Commenced:
Completed:

Length: 387'
Bearing:
Inclination: - 90

Lat.: 10,200 N
Dept.: 8600 E
Elev.: 4950

Drill Type: 38
Hole Size: BQ
Contractor: Longyear

Logged by: M.R. Wolfhard
Approved by:
Date: June 11/7

FOOTAGE From	FOOTAGE To	SAMPLE No.	Length	% Rcy.		ALTERATION Q	KF	Bi	Chl.	Cl.	Ser.	Ep.	Cb.	Sul.	% Sulph.	Diss./ Vein	Py/Cpy	Mag.
0	77				Overburden - casing .													
77	147	5987	13		Porphyritic quartz diorite II.	F/		/D	F/	/D								
		5988	10		All sulphides are fracture made. Fractures are oxidized													
		5989	"		and leached. Matrix bio., feldspar													
		5990	"		Matrix solft but transparent, chlorite													
		5991	"		soft but transparent, chlorite - trace epidote on fractures.													
		5992	"		Mal., limestone on fractures. Very poor recovery (est 50%)													
															aug.		aug.	
147	387	5993	"		Porphyritic quartz diorite II as 77 - 147 but not oxidized	F/		F/D	F/	/	F/				1%		2/1	
		5994			90% sulphides fracture controlled. Py, Cpy in Quartz,													
		5995	"		chlorite, magnetite veinlets.													
		5996	"		Minor Py, Cpy in sparse vuggy quartz- sericite veinlets (													
		5997	"		(no envoleope, no bleaching).													
		5998	"		Chlorite veinlets have minor bleaching, minor biotite													
		5999	"		veinlets.													
		6000	"		Feldspar fresh biotite mainly after hornblend.													
		6001	"															
		6002	"															
		6003	"		248.5 - 250.5 - quartz vein with trace of unknown													
		6004	"		mineral, lustre and color similar to magnetite,													
		6005	"		H = 4, 2 or more cleavages, brittle.													
		6006	"		Possible tenantanide - not tetrahedrite or any sulphosalt													
		6007	"		I recognize. Rock is bleached for a few feet either side.													
		6008	"															
		6009	"		325 - 345; variable chloritized bleached, and sericitized.													
		6010	"		Trace MoS_2. Increase in % sulphides to 2%, Py/Cpy													
		6011	"		10/1.													
		6012	"															
		6013	"															
		6014	"															
		6015	"															
		6016	"															
		6017	"															
					END OF HOLE													

DIAMOND DRILL RECORD

Property FISH LAKE TASEKO
Hole No. Q-73-4 Page No. 1 Length 511' Lat. 9600N Drill Type 38
District Bearing Dept. 8700E Hole Size NQ
Commenced April 1973 Inclination -90 Elev. 5110' Contractor Longyear Logged by M.R. Wolfhard
Completed May 1973 Approved by Date June 12/

FOOTAGE From	FOOTAGE To	SAMPLE No.	Length	% Rcy.		ALTERATION Q	KF	Bi	Chl.	Cl.	Ser.	Ep.	Cb.	Sul.	% Sulph.	Diss./ Vein	Py/Cpy	Mag.
0					Casing.													
					Basalt, vesicular, locally scoriaceous. Fresh													
	286				Post-mineral sedimentary breccia-mud flow?													
286	300	6042	14		Fragments from 280 - 286' are of underlying rock													
		6043	10		Rest of sediments shipped to Dr. W.H. Mathews,													
		6044	"		U.B.C. for possible microfossil study.													
286	511	6045	"		(Quartz) diorite porphyry II. Feldspar fresh,	F/			F/D						1-1 1/2		100/1	
		6046	"		hornblende chloritized but visible as relic grains.													
		6047	"		Mineralized with pyrite disseminated with magnetite													
		6048	"		and mafic, and with pyrite, quartz, chlorite veinlets.													
		6049	"		Strong weathering of rock and complete oxidization of													
		6050	"		sulphides to 310'. No weathering of rock but complete													
		6051	"		oxidization of sulphides 310 - 335'. Complete oxidization													
		6052	"		of fracture sulphides to 400.													
		6053	"		Partial oxidization of fracture sulphides to 420'.													
		6054	"															
		6055	"															
		6056	"															
		6057	"		Rock is sheared from 440 to 460, minor hematite on													
		6058	"		slips.													
		6059	"															
		6060	"		Minor epidote, fracture controlled with quartz and													
		6061	"		chlorite from 470 on.													
		6062	"															
		6063	"															

DIAMOND DRILL RECORD

Property: FISH LAKE
Hole No.: Q-73-5 Page No.: 1
District:
Commenced:
Completed: May 1973

Length: 218
Bearing:
Inclination: - 90°

Lat.: 9470 N
Dept.: 6660 E
Elev.: 5200 ?

Drill Type: 38
Hole Size: NQ
Contractor: Longyear

Logged by: M.R. Wolfhard
Approved by: Date: June 11/

FOOTAGE From	FOOTAGE To	SAMPLE No.	Length	% Rcy.		ALTERATION Q	KF	Bi	Chl.	Cl.	Ser.	Ep.	Cb.	Sul.	% Sulph.	Diss./ Vein	Py/Cpy	Mag.
0	31				Casing													
31	87	6064	9		Diorite to quartz diorite, gradational to minor Type II	F/			F/D	/D					1 1/2		100/1	
		6065	10		ppitic. Mafic chlorite, feldspar fresh to w. soft										- 2			
		6066	"		(minor med. soft).													
		6067	"		Pyrite disseminated and in quartz veinlets with													
		6068	"		minor chlorite. Minor but widespread epidote.													
					Bleached 38 - 40													
					62 - 64.													
87	208	6069	"		Quartz diorite porphyry III										4/2		100/1	
		6070	"															
		6071	"															
		6072	"															
		6073	"															
		6074	"															
		6075	"															
		6076	"															
		6077	"															
		6078	"															
		6079	"															
		6080	"															
		6081	"															
208	218	6082	"		As 31 - 87										2		100/1	
					END OF HOLE													

DIAMOND DRILL RECORD

Property: FISH LAKE
Hole No.: Q-73-6 Page No.: 1
District:
Commenced:
Completed: May, 1973

Length: 800'
Bearing: 000
Inclination: -45

Lat.: 9100 N
Dept.: 10250 N
Elev.: 4750

Drill Type: 38
Hole Size: NQ
Contractor: Longyear

Logged by: M.R. Wolfhard
Approved by:
Date: June 10/7

FOOTAGE From	FOOTAGE To	SAMPLE No.	Length	% Rcy.		Q	KF	Bi	Chl.	Cl.	Ser.	Ep.	Cb.	Sul.	% Sulph.	Diss./Vein	Py/Cpy	Mag.
0	186				Casing													
186	243	6083	14		Diorite porphyry II 20% 1/2 - 2 mm sub-euhedral	F/			/D	F/D	F/			No	2-3		50/1	
		6084	10		stubbly plag. laths in matrix which is medium													
		6085	"		green to (altered) light tan. Color changes from													
		6086	"		mainly medium green near 190' to mainly tan-cream													
		6087	"		near 240'. Feldspar solft in light colored rocks,													
					fresh to v.weak soft in darker rock.													
					Mineralization changes													
					From: pyrite, hematite, chlorite veinlets cut by													
					pyrite, quartz, carbonate veinlets ± chlorite,													
					and by unmineralized carbonate veinlets.													
					Common attitudes 0° to 45° to core axis.													
					Also disseminated pyrite.													
					To: Pyrite, chalcopyrite, quartz, sericite envelope veinlets													
					cut by pyrite-clay? veinlets, cut by nearly barren													
					quartz carbonate veinlets. 0° & 45°. Disseminated													
					pyrite not associated clots.													
243	382	6088	10		Porphyritic (± quartz) diorite 1 - 40% 1 - 5 mm	F/			/D	/D	/		F/		3%		15/1	
		6089	"		sub-euhedral feldspar phenos in a med crystaline												to 5/1	
		6090	"		matrix of feldspar and chlorite with 10% chloritized												down	
		6091	"		hornblende? phenos. Alteration varies from chlorite												hole	
		6092	"		only (fresh feldspar) to bleaching and medium clay													
		6093	"		softening of feldspar phenos. Intrudes previous unit.													
		6094	"		Stronger alt.: 243 - 250													
		6095	"		272 - 278													
		6096	"		301 - 306													
		6097	"		318 - 330													
		6098	"		Disseminated pyrite, chalcopyrite interstitial and with													
		6099	"		ex-hornblende phenos. Pyrite/chalcopyrite 10/1 near													
		6100	"		240', 2/1 near 380'. Strong assoc. dark chlorite.													
		6101	"		Fracture mineral is mainly sulphide hairline ± clay in													
		6102	"		dk. rock, some quartz pyrite veinlets. In light													
					altered rock, pyrite and sericite veinlets, disseminated													
					pyrite, chalcopyrite.													

DIAMOND DRILL RECORD

Property FISH LAKE
Hole No. Q-73-6 Page No. 2
District
Commenced
Completed

Length
Bearing
Inclination

Lat.
Dept.
Elev.

Drill Type
Hole Size
Contractor

Logged by
Approved by Date

FOOTAGE From	FOOTAGE To	SAMPLE No.	Length	% Rcy.		ALTERATION Q	KF	Bi	Chl.	Cl.	Ser.	Ep.	Cb.	Sul.	% Sulph.	Diss./ Vein	Py/Cpy	Mag.
383	525	6103	10		(Quartz) diorite porphyry II. Mainly bleached with	F/D	?		/D	F/D	F/		/F		1-2		5/1	o.a.
		6104	"		trace chlorite, chlorite rich (10%) sections 406-418,													
		6105	"		477-483, 383,406 mixed QD ppy II, QD ppy I, and													
		6106	"		angular fine grain fragments of metased or chilled													
		6107	"		margin rock.													
		6108	"		491 - 503 is intrusive, cs. grn. hyp. gran. feldspar													
		6109	"		(minor quartz) rock. Leucocratic, d. pyrite -1/2%.													
		6110	"		post mineral. Similar to bottom of 72-3.													
		6111	"		Main rock type has med. soft phenos, soft and hard													
		6112	"		matric. 20% 1/2 - 2 mm laths of euhedral plag.													
		6113	"		Mineralized by disseminated pyrite, chalcpyrite 1/1; pyrite													
		6114	"		chalcopyrite, quartz sericite envelope veinlets; later													
		6115	"		quartz, carbonate, pyrite veinlets; earlier pyrite,													
		6116	"		chalcopytie ± clay fractures; disseminated hematite after													
					magnetite. Chloritie rich sections have fresher feldspar				minor									
					no sericite envelope.													
525	650	6117	"		Porphyritic, quartz diorite II. Q.D. ppy II for 30' near	F/		/D	F/D	F/D	F/		F?		2		3/1	
		6118	"		upper contact. Contact gradational over a few feet near													
		6119	"		560'. Lower contact bleached for 5'													
		6120	"		Feldspar fresh to weakly softened, 10% 1 - 2 mm chlorite,													
		6121	"		pyrite, chalcopyrite clots; all cut by pyrite, chalcopyrite,													
		6122	"		quartz, sericite envelope veinlets; hairline, vuggy													
		6123	"		quartz, chlorite veinlets; pyrite, clay fractures.													
		6124	"		Sericite veinlets tend to chloritize the few scattered													
		6125	"		patches of v. fg. matrix biotite. Can't tell if primary													
		6126	"		or 2°. Rock is weakly miarolitic. A few quartz													
		6127	"		veinlets with MoS_2. A few hematite, pyrite, chalcopyrite													
		6128	"		quartz, chlorite veinlets.													
650	761				Porphyritic, quartz diorite III. Post mineral (except)				/D						41/2		50/1	
					for trace disseminated pyrite, chalcopyrite; minor													
					frac. pyrite.)													
					Rock is 30 - 40% 1 - 2mm sub-euhedral plag. 10%													
					1 X 2.5 mm hornblende, rest fine to medium crystaline													
					feldspar, minor quartz.													
					Hornblende is chloritized, feldspar phenos are medium													
					soft. Whole alteration is apparently deuteric.													

DIAMOND DRILL RECORD

Property FISH LAKE
Hole No. Q-73-6 Page No. 3
District
Commenced
Completed

Length
Bearing
Inclination

Lat.
Dept.
Elev.

Dl Type
He Size
Ctractor

Logged by
Approved by Date

FOOTAGE From	FOOTAGE To	SAMPLE No.	Length	% Rcy.		ALTERATION Q	KF	Bi	Chl.	Cl.	Ser.	Ep.	Cb.	Sul.	% Sulph.	Diss./ Vein	Py/Cpy	Mag.
761	800	6129	10		Porphyritic quartz diorite II as 525 - 650. Strong	F/		/D	/D	F/D	F/		F/	No	2-3		3-5/1	
		6130	"		2° matrix biotite 780 - 790, partly chloritized.													
		6131	"		Note that plag. with fresh 2° biotite is fresh.													
		6132	"															
		6133	"															
					END OF HOLE													

DIAMOND DRILL RECORD

Property: FISH LAKE - TASEKO
Hole No.: Q-73-7 Page No.: 1
District:
Commenced: May 1973
Completed: June 1973

Length: 347'
Bearing:
Inclination: -90

Lat.: 11,500 N
Dept.: 8,700E
Elev.: 4670'

Drill Type: 33
Hole Size: NQ
Contractor: Longyear

Logged by: M.R. Wolfhard
Approved by: Date: June 8/73

FOOTAGE From	FOOTAGE To	SAMPLE No.	Length	% Rcy.		ALTERATION Q	KF	Bi	Chl.	Cl.	Ser.	Ep.	Cb.	Sul.	% Sulph.	Diss./ Vein	Py/Cpy	Mag.	Est. Cu
0	81				Casing														
81	111	6134	10		Leuco-porphyritic diorite, feldspar chalky - 2 - 3%					/D					2-3%				Tr
		6135	"		po trace disseminated chalcopyrite, 3-% feldspar														
		6136	"		phenos 2 - 4 mm in a fine grained feldspar matrix.														
		6137	"																
111	347	6138	"		Quartz diorite porphyry II.										-1/2%		50/1		
		6139	"		Fine grain. Auh. feldspar 1/2 X 1mm. 2 - 3% anhedral														
		6140	"		quartz phenocrysts. 5 - 10% chlorite clots. Sulphide														
		6141	"		disseminated pyrite, po, trace chalcopyrite.														
		6142	"		1 - 5% metasediemtary xenoliths, angular.														
		6143	"		Minor epidote veinlets; pyrite fractures.														
		6144	"		Feldspar fresh.														
		6145	"																
		6146	"																
		6147	"																
		6148	"																
		6149	"																
		6150	"																
		6151	"																
		6152	"																
		6153	"																
		6154	"																
		6155	"																
		6156	"																
		6157	"																
		6158	"																
		6159	"																
		6160	7																
					END OF HOLE - 347'														

DIAMOND DRILL RECORD

Property: FISH LAKE - TASEKO
Hole No.: ~~Q-73-8~~ Page No.: 1
District:
Commenced: Approx. June5/73
Completed:

Length: 700'
Bearing:
Inclination: -90°

Lat.: 11,350N
Dept.: 9,500 E
Elev.: 4750'

Drill Type: 38
Hole Size: NQ
Contractor: Longyear

Logged by: M.R. Wolfhard
Approved by:
Date: June 11,7

FOOTAGE From	FOOTAGE To	SAMPLE No.	Length	% Rcy.		ALTERATION Q	KF	Bi	Chl.	Cl.	Ser.	Ep.	Cb.	Sul.	% Sulph.	Diss./ Vein	Py/Cpy	Mag.	Est. Cu
0	125				Casing - overburden														
125	149	6161	10		Quartz diorite, feldspar clay altered, no magasoopic	F/			F/D	/D	/D?		F/	F/	3-5%		20/1		1.5
		6162	"		sericite. Patchy and tabular zones of very fine-grained														
					disseminated pyrite to 10 - 15% locally. Original mafics														
					mainly mixture of light green chlorite? and hydromica?														
					Cut by quartz-calcite-light green chlorite veinlets														
					45° and 90° to core axis. These carry or impregnate														
					the walls with pyrite, chalcopyrite, 1 grain MoS_2.														
					Pyrite/chlcopyrite in veinlets 5/1. Later gypsum veinlets														
					with no sulphide.														
149	162	6163	10		Similar to 125-149 except only trace chlorite. Rock is	F/			Tr.	/D	/D?		F/	F/	2-3%		10/1		.10
		6164	7		lgihter and feldspar in buff-cream rather than white														
					clay. Later, post min. veinlets are carbonate and														
					sulfate.														
162	183	6165	10		Porphyritic diorite II to quartz diorite, 10 - 20%	F/			F/	/D	F/D?		F/	FTr/	1-2		3/1		.10
		6166	11		sub-euhedral, cream to white feldspar 1-3mm in a fine														
					cyrstalline matrix. Feldspar is clay altered, matrix feldspar														
					is buff=cream altered. Trace of light green chlorite														
					in matrix. Disseminated pyrite, chalcopyrite, 1/3.														
					Quartz, carbonate, high chlorite veinlets with pyrite,														
					chalcopyrite, Trace MoS_2 2/1 cut by quartz-sericite														
					veinlets with pyrite. Minor late gypsum veinlets. Some														
					greener sections of core have small clots of chlorite and														
					hematite, light green chlorite inside feldspar phenocrysts.														
183	197.5	6167	14.5		Gradational contact. Fine grain diorite, a few 1 mm	F/			F/D	/D	F.		F.	F Tr/	3-5%		30-1		0.05
					prominent anhedral feldspars. Clay altered, mineralized														
					with patchy and 'marble' texture areas of very fine-														
					grained pyrite. Trace chalcopyrite with chlorite clots.														
					Fracture quartz-carbonate chlorite veinlets have pyrite only.														
					A few late sulphate veinlets.														
197.5	207	6168	9.5		Porphyritic diorite II as 162 - 183. Minor disseminated	F/			F/D	/D	F/D		F/	F/	1 1/2		5/1		0.10
					lt. chlorite. Feldspar, clay alteration, monor sericite														
					near some fractures. Mineralized with disseminated														
					very fine grained pyrite. Quartz, carbonate, highly chlorite														
					fractures with pyrite, minor chalcopyrite. 2 generations														
					of anhydrite? or gypsum both post mineral and quartz,														
					sericite, pyrite, chalcopyrite, minor MoS_2 veinlets.														

DIAMOND DRILL RECORD

Property: FISH LAKE - TASEKO
Hole No.: Q-73-9 Page No.: 1
District:
Commenced: June 11, 1973
Completed:

Length: 1518'
Bearing:
Inclination: -90°

Lat.: 11,200N
Dept.: 10,500E
Elev.: 4775'

Drill Type: 38
Hole Size: NQ
Contractor: Longyear

Logged by: M.R. Wolfhard
Approved by: Date:

FOOTAGE From	FOOTAGE To	SAMPLE No.	Length	% Rcy.		ALTERATION Q	KF	Bi	Chl.	Cl.	Ser.	Ep.	Cb.	Sul.	% Sulph.	Diss./ Vein	Py/Cpy	Mag.	Est Cu
0	68				Casing - possible bedrock At 60'														
68	87'6"	6198	10	92	Diorite, 1 - 2mm, weak to medium pervasive sericite I	F/D			Fm/		F/D		F/		2 1/2		4/1		
		6199	10		chlorite. Sericite obvious but rarely megascopic.				Dm										
					Mineralized with vague fracture related zones of														
					pyrite, chalcopyrite 2-3/1; with later pyrite, (chalcopyrite)														
					- sericite envelope veinlets; and with later pyrite-														
					vuggy quartz - sericiete veinlets; minor pyrite,														
					chalcopyrite, quartz, carbonate chlorite veinlets.														
87'6"	169.5	6200	10	94	(Quartz) diorite porphyry II. Texture variable, feldspar	F/	/D?		F/D		F/		F/		3	5%	3/1		
		6201	"		15-30% all sub-euhedral, 1/2 X 1 mm + 1X2 mm.														
		6202	"		Patchy relic secondary biotite, mainly pervasive chlorite														
		6203	"		with w. to medium soft feldspar. Trace pink ground mas														
		6204	"		possibly K-spar.														
		6205	"		Mineralized pyrite, chalcopyrite disseminated; minor														
		6206	"		fracture pyrite in bio. zones otherwise pyrite, chalcopyrite														
		6207	"		disseminated associated vague fracture zones. Pyrite I														
					chalcopyrite with quartz, sericite envelope veinlets.														
					Pyrite, chalcopyrite with quartz, chlorite, ± carbonate														
					veinlets.														
					Most Cu disseminated and with chlorite veinlets.														
					Chlorite veinlets cut by sericite envelope veinlets.														
					Bio. near 98', 108'.														
					At 110' is 2" mn. carbonate vein.														
124	132				Bx, sheared, strong py-clay heated. Cu some as above														
					and below. Probably late or post-mineral tectonic bx.														
169.5	216.5	6208	10	74	Hornfels, dioritized in part, chloritic. No bedding,	F/			F/D	/D	Fm/		F/		3		5/1		
		6209			probably meta-tuff or meta-sediment. Minor Type II dikes														
		6210			Feldspar w. soft to m. soft throughout.														
		6211			Mineralized with pyrite, chalcopyrite disseminated; with														
		6212			pyrite I, chalcopyrite, quartz I chlorite veinlets; with														
					barren quartz carbonate veinlets; and with a few pyrite														
					quartz, sericite envelope veinlets. A few quartz														
					magnetite veinlets.														
200	211				Medium to strong pervasive sericite, better disseminated														
					chalcopyrite.														

DIAMOND DRILL RECORD

Property
Hole No. 9 Page No. 2
District
Commenced
Completed

Length
Bearing
Inclination

Lat.
Dept.
Elev.

Drill Type 38
Hole Size NQ
Contractor Longyear

Logged by
Approved by Date

FOOTAGE From	FOOTAGE To	SAMPLE No.	Length	% Rcy.		Q	KF	Bi	Chl.	Cl.	Ser.	Ep.	Cb.	Sul.	% Sulph.	Diss./ Vein	Py/Cpy	Mag.	Est. Cu	C
216.5	234	6213	10	94	Mixed hornfels & type II porphyry sim. lost															
		6214			interval, but ser. envelopes more abundant	F/			FM /D	/D	F/D				3		1			
					increasing, pervasive sericite															
234	254	6215		92	Quartz diorite porphyry I. strong clay to	F/				/D	F/D				1-1/2		10/1			
		6216			medium pervasive sericite throughout. Up to															
					10% 2mm euh. qtz. phenos. mineralized with															
					dis. py, cpy; with py, qtz, veinlets, & with															
					a few py-qtz-ser. envelope veinlets. Both															
					contacts have a 5 zone of brecciated rock															
					healed with clay.															
254	311.6	6217	10	95	Hornfels to f.g. diorite. Zone of meta-	F/			/D	/D	F/		F/		2-1/2	50	2-3/1		.3	
		18			arbose or f.g. qtz. ppy, 280-290. Pervassive															
		19			clay alt., mafics chl.															
		20			Mineralized: py, cpy (1/2) dis., py, cpy															
		21			with qtz, veinlets; py, cpy with ser.															
		22			envelopes.															
311.6	350.6	23	10	95	(quartz) diorite porphyry III, posb. mineral															
		24			py, dis										1/2				nil	
		25																		
350.6	397	6226	10	95	Quartz feldspar porphyry: probably diorite.	F/			/D	/D	/DM		F/		3	95	2/1		.35	
		27			Feldspar texture similar to type I, but rock															
		28			contains 10% sub-embeded stubby 1-3mm qtz.															
		29			phenos. Feldspar medium soft, cream colored															
					Mafics chl. or chl plus ser.															
					Mineralized py, cpy (1/) dis. minor dis.															
					MoSz; py, qtz, hem, veinlets; py I qtz															
					veinlets.															
397	487	6230	10	95	Fine grain quartz diorite to diorite	F/	/D?		/DM	/D?	F/D		F/	F/	2-3		2-3/1		.3	
		31			porphyry II. 0-5% 1/2-1mm qtz. phenos.															
		32			Pervasive ser. in ground mass. Patchy															
		33			areas to 1' have rose groundmoss harder than															
		34			white ser. groundmoss. These areas are															
		35			I 50% clay, may be some K-spar clots,															
		36			of ser, minor ser-chl.															
		37																		
		38																		
		39																		

DIAMOND DRILL RECORD

Property: Fish Lake
Hole No.: 9 Page No.:
District:
Commenced:
Completed:

Length:
Bearing:
Inclination:

Lat.:
Dept.:
Elev.:

Drill Type:
Hole Size:
Contractor:

Logged by:
Approved by: Date:

FOOTAGE From	FOOTAGE To	SAMPLE No.	Length	% Rcy.		ALTERATION Q	KF	Bi	Chl.	Cl.	Ser.	Ep.	Cb.	Sul.	% Sulph.	Diss./ Vein	Py/Cpy	Mag.	
					Mineralized; py, cpy (1/1)dis; py, cpy, qtz.														
					carb veinlets with minor MoS2. py, cpy qtz.														
					ser. envelope veinlets (these bleach pink														
					patches); late carb. veinlets; a few														
					sulphate veinlets.														
					No pink past 476														
476	487				0.1% Cu														
487					1' sheared rock with some sheared sulphides														
487	508	6240	10	95	Hyp. gran. cs. grain, qtz. monz? avg. grain														
		41			size 3 mm. Some feld is green clay, some	F/				/D	/D?			F/					
					is ser? 20% qtz. Lower contact sheared healed														
					with clay and up to 10% py locally.														
					Mineralized; py, cpy dis. py, qtz. veinlets														
					sulphate veinlets 2-3/ft. no ser. envelope														
508	533	6242	10	95	Quartz diorite porphyry II. Grain size	F/	/DM		/DM	/D	/FM	F/		F/	2	70	4/1		.15
		43			decrease to 530' upper contact bleached,														
					silicified, prob. intruded by previous														
					unit. Minor pink in silic. contact zone.														
					Dis. py, cpy, trace MoS2. py, qtz. (minor														
					ser. envelope) veinlets py I qtz. veinlets;														
					carbonate veinlets; gypsum veinlets.														
					Feldspar › med. soft, white. Ground moss														
					w. soft, greenish.														
533	569	6244	10	95	Hornfels, dioritized in part. Meta coarse	F/			F/D	/D	FM/		F/	F/	2		5/1		.1
533	550	45			sandstone (waches) large clasts well rd. to														
		46			angular. Some patches of relic byo. 4' massive														
		47			carbonate and schistose rock at contact type														
					breccia.														
					Mineralized dis. py, cpy (4/1); py, cpy in														
					qtz. veinlets; py in qtz + carbonate veinlets														
					sulphate veinlets (2 ages, one of which stains														
					brown with alkaline mud); qtz. chl. py,														
					veinlets; hem veinlets. =														

DIAMOND DRILL RECORD

Property: Fish Lake
Hole No.: 9 Page No.: 4
District:
Commenced:
Completed:
Length:
Bearing:
Inclination:
Lat.:
Dept.:
Elev.:
Drill Type:
Hole Size:
Contractor:
Logged by:
Approved by: Date:

FOOTAGE From	FOOTAGE To	SAMPLE No.	Length	% Rcy.		ALTERATION Q	KF	Bi	Chl.	Cl.	Ser.	Ep.	Cb.	Sul.	% Sulph.	Diss./ Vein	Py/Cpy	Mag.	
569	587	6248	10	95	(Quartz) diorite porphyry I. Possibly	F/				/D			F/		1%		3/1		.05
		49			intermediate in age between I and III.														
					Feld w. to med. soft, cream col, groundmoss														
					w. soft, hole velics recognizable														
					Mineralized minor dis. py, cpy; py (CPY) qtz.														
					carbonate veinlets 1 or 2/ft. N.B. no sulphate														
					veinlets.														
587	631	6250	10	95	Hornfels, aphanitic light green with 10-30%	F/			/D	/D					3	80	4/1		.20
		51			green chl. clots 1-3mm														
		52																	
		53	13																
					Mineralized: py, cpy, dis; py, qtz.														
					Lem veinlets. A few qtz. carb. veinlets;														
					trade of py qtz. veinlets; sulphate veinlets														
					10-15/ft, some with py, selvage - 2 stage?														
631	658				Quartz diorite porphyry III center of inter										0				
					val is bleached, feld soft. otherwise chl.														
658	665	6254	13	95	Hornfels														
665	698				Quartz diorite porphyry III.	FM/			/D	/D			FM/		1/2				0
					Chl. hble, fresh to w. soft feld. A few														
					barren qtz, carb. veinlets. Minor dis. py.														
698	947	6255	10	95	Hornfels and dioritized sediments as	F/		/D	F/D	/D	FM/			F/	3		1/1	700'	.1
		56			587-631. Chl. clots 1-3 mm, w to med. soft												5/1	750'	.2
		57			feld. Relic bedding 70° to core. Mag.												3/1	800'	.3
		58			mainly fresh, 70% of sulphides dis; cu												10/1	850'	.1
		59			mainly in veinlets in lower grade, dis. in												10/1	900'	.1
		60			better grade. Mineralized near 700' py cpy														
		61			dis; py, qtz. chl veinlets; (py) cpy, mag														
		62			veinlets, Throughout, sulphate veinlets														
		63			10-19/ft. Ser. selvage py (cpy) qtz. veinlets														
		64			every 1-5'. Mainly L2mm total width (cf.)														
		65			typical 5-8mm in zone of 1-5/'); py (cpy)														
		66			qtz. veinlets.														
880	947	67			Patchy sq. matrix bio.														
770	790	68			Sheared. Lower contact sheared & healed														
		69			with clasp.														
		70,71,72,73																	

DIAMOND DRILL RECORD

Property: Fish Lake
Hole No.: 9 Page No.: 6
District:
Commenced:
Completed:

Length:
Bearing:
Inclination:

Lat.:
Dept.:
Elev.:

Drill Type:
Hole Size:
Contractor:

Logged by:
Approved by: Date:

FOOTAGE From	FOOTAGE To	SAMPLE No.	Length	% Rcy.		ALTERATION Q	KF	Bi	Chl.	Cl.	Ser.	Ep.	Cb.	Sul.	% Sulph.	Diss./ Vein	Py/Cpy	Mag. hem	Est. Cu
947	1062	6274			Quartz diorite porphyry II and porphyritic	F/				/D	FM/	DM	F/	F/	1-3	90	10-5/1	2-4	.1
		75			quartz diorite II. Strong bleaching, soft,														
		76			strong clay throughout, Trace visible ser.														
		77			mag. all hem. V. minor relic bio after hble														
		78			chl. after byo, 1046-1062.														
947	965	79			Breccia in part Cu only as minor dis. bu.										2 1/2	30	2/1		
		80																	
		81			Mineralized; Dis py, cpy (or bu) hem (after														
		82			mag) cpy, with bleached (py ser?) envelope;														
		83			qtz. carb. py veinlets; hairline py, cpy,														
		84			qtz. veinlets older than carb. veinlets.														
		85			Minor py, qtz, ser. envelope veinlets, sul-														
					phate veinlets 1-5/10 ft.														
1022	1046	86													2 1/2	30	2/1		.25
1046	1062	87													2 1/2	50	4/1		.15
		88																	
1062	1113	89			Hornfels? diorite grade micro porphyry?	F/		/D	F/D		/DM		?	F	1	70	1/1		.20
		90			diorite at 1090 chl, feld fresh to w. soft.														
		91			Min. (py) cpy dis. with chl. (with bio.														
		92			near upper contact); py cpy hem veinlets.														
		93			Qtz. chl, py veinlets (cpy) qtz. veinlets,														
		94			sulphate veinlets.														
		95																	
1113	1119	96			Type III dike, chl. is interstitial rather														
		97			than after hol.														
1119	1149	98			Sim. 1062 - 1113. Min py, cpy, dis; qtz.														
		6299			pyI, cpy veinlets. Qtz. py, cpy, chl. vein-	F/		DM	F/D		/D		F/	F/	2	50	3-5/1	3-5	.15
		6300			lets														
1149	1192	01			Hornfels, 10% chl. in eratic angular patches	F/		/D	F/D		/F			F/	2	30	10/1		2.1
		02			1-10mm Otherwise fg, light grey, w. soft.														
		03			Mineralized dis py (cpy) qtz. chl. py,														
		04			cpy veinlets; sulphate veinlets 10-20/ft.														
		05																	
1192	1282	06			Hornfels, minor dioritized rock. Chl.,	F/		/D	F/D		/D	FM?		F/	3		70	10/1	.1
		07			feldspar w. to med. soft. Some patchy relic														
		08			biotite throughout.														
		09			Mineralized: py, cpy, dis; py (cpy) qtz. ser.														
		10			veinlets (minor); py (cpy) chl. I sulphate														
		11			veinlets; sulphate veinlets;														
					hem I qtz, py, (cpy) veinlets.														

DIAMOND DRILL RECORD

Property _____
Hole No. 9 Page No. 6 Length _____ Lat. _____ Drill Type _____
District _____ Bearing _____ Dept. _____ Hole Size _____
Commenced _____ Inclination _____ Elev. _____ Contractor _____ Logged by _____
Completed _____ Approved by _____ Date _____

FOOTAGE From	FOOTAGE To	SAMPLE No.	Length	% Rcy.		ALTERATION Q	KF	Bi	Chl.	Cl.	Ser.	Ep.	Cb.	Sul.	% Sulph.	Diss./ Vein	Py/Cpy	Mag.	% cu Est. Cu
1201	1202	6312			Barren Type III dike. contacts 70-90° to core														
1203	1205	13			Barren Type III dike. contacts 45-60° to core														
2108	1210	14			Barren Type III dike. contacts 60-75° to core.														
		15																	
1282	1310	16			Quartz diorite porphyry III Hble, chl, feld								F/						nil
		17			fresh														
1310	1518	18			Hornfels as 1192 - 1282, fels mainly fresh	F/		/D	F/	D				F/					
		19			bio. hfls. to 1377. From 1377 to 1518 there														
		20			is pervasive chl, feld w. soft mixed with														
		21			patches to 10' of rock bio.														
		22																	
1377	1390	23			Meta diorite?														
1400	1409	24			Meta diorite?														
		25			All mineralized; py, cpy, dis; py, qtz. chl.														
		26			veinlets; py, cpy, qtz, hem, chl. veinlets.														
		27			Minor to no ser. envelope veinlets; sulphate														
		28			veinlets.														
1310	1380	29				F/		/D	F/D	M	/DM			F/	2-3	30	20/1		.05
1380	1400	30				F/		/DM	F/D		/D			F/	2-3	70	10/1		.1
1400	1448	31																	.05
1448	1465	32			Fig. lt. col, with chl.										2-3		10/1		.15
1475	1483				Clots to 5mm														.15
1509	1517				Clots to 5mm														
					END OF HOLE														

DIAMOND DRILL RECORD

Property: Fish
Hole No.: 10 Page No.: 1
District:
Commenced: June
Completed:

Length:
Bearing:
Inclination: -90

Lat.: 10000N
Dept.: 10940E
Elev.: 4790

Drill Type: HQ 3
Hole Size: NC
Contractor:

Logged by: [illegible]
Approved by: Date:

FOOTAGE From	FOOTAGE To	SAMPLE No.	Length	% Rcy.	Description	ALTERATION Q	KF	Bi	Chl.	Cl.	Ser.	Ep.	Cb.	Sul.	% Sulph.	Diss./Vein	Py/Cpy	Mag.	ext
0	68				Casing. Prob. bedrock @ 61.														
68	262				Hornfels, white to cream, v. f.g. Pervasive ser. Clots of ser. to 6mm. Oxidized on fractures to 90°. Mineralized: Py, cpy dis (assoc ser. & usually); py, cpy, qtz, ser envelope veinlets; cpy (py) granular quartz veinlets; qtz, carbonate veinlets; hem veinlets; py ± qtz ± sulphate? veinlets;	F↑	(up 1 line)↑			D F/D		↑E	F?		2-3 40	↑2/1		↑ .35
99	102				Poss Type II														
114	119				Poss. fg., aph. gnd mass, 10% feld pheno Type I														
134.5	149				Typical Type I grading to sim. 114-119 @ 140. lower contact silic frag, breccia over 1'.														
156	171				Type I Feld. med soft often greenish in these intervals														
					Local to 10% v.f.g. py in marble texture zones or micro diorite. Vuggy (microvitic?).														
262	404				Hornfels A Green, fine grained. Pervasive chl. Patchy feld. w. soft- to fresh. A rel bio. Mineralized: cpy, py dis. cpy, py, hem vuggy qtz chl veinlets, py, cpy qtz veinlets; carbonate ± qtz veinlets. [illegible] grade [illegible] both ends, lower near 400'.					D F/D/fm					2% 80	1/1		.35

up one line

DIAMOND DRILL RECORD

Property: Fish
Hole No.: 10 Page No.: 2
District:
Commenced:
Completed:

Length:
Bearing:
Inclination:

Lat.:
Dept.:
Elev.:

Dil Type:
Hle Size:
Cntractor:

Logged by:
Approved by: Date:

FOOTAGE From	FOOTAGE To	SAMPLE No.	Length	% Rcy.		Q	KF	Bi	Chl.	Cl.	Ser.	Ep.	Cb.	Sul.	% Sulph.	Diss./Vein	Py/Cpy	Mag.	
464	476				(Quartz) diorite porphyry I. Pervasive chl, feld. in soft. Cpy disf py, qtz veinlets with bleaching, Narrow bleached zones sulphate ∓ py?.	F			F/D	D				F	1½	90	1/1		.25
476	493				Hornfels as 262-464. Much bleaching. V. minor relic bio. V. minor disf. sec. in chl. Minor bn.	F		D	F/D	D	D			F	1½	60	1/2		.35
493	510				As 464-476 Type I														.20
510	670				Hornfels, chloritized biotite hornfels, strong bio from 600' on. Type II dike, diz. bio.	F		Fm/D	F/D	D				F	2%	50	1/1		.35
	524	530			Type III dike, strong														
507	570.5	577			trd ~~bky~~ toid @ 45° to core.														
	557	564			bleached														
	665	670			"														
					Mineralized; cpy, bn, py dis. bn more abundant from 600 on with bio. cpy, py, chl ~~[illegible]~~ veinlets; may veinlets, py qtz, veinlets.														
670					Quartz feldspar porphyry (Type I with 5-10% sub-euh. stubby qtz phenos) Mainly bleached, feldspar medium soft, cream or greenish. Chloritic with w. soft feld 715-722, 733-742. 2-4% qtz hem. after mag. Hydromica? after hornblende. Dis. greenish chlorite of chl? sericite? some [illegible]				F/D						2% 1½	40	1/1		.25

DIAMOND DRILL RECORD

Property: Fish
Hole No.: 10 Page No.: 3
District:
Commenced:
Completed:
Length:
Bearing:
Inclination:
Lat.:
Dept.:
Elev.:
Drill Type:
Hole Size:
Contractor:
Logged by:
Approved by: Date:

FOOTAGE From	FOOTAGE To	SAMPLE No.	Length	% Recy.	Description	Q	KF	Bi	Chl.	Cl.	Ser.	Ep.	Cb.	Sul.	% Sulph.	Diss./Vein	Py/Cpy	Mag.	ell
					Mineralized: cpy, py diss; cpy, py, qtz veinlets; minor chl veinlets in pervasive chl sections: cpy, bn, py on hairline fractured. Upper contact 70° to core axis														
818	821				Hornfels, ~~both~~ upper contacts about 15°, lower contact about 45° to core axis	F		D	F/D	D	F		F	F	2	30	1/1		.30
	813	824			Chlorite, 10 – 80% ~~[illegible]~~ veins & ab.														
	840	854																	
	871	880																	
					~~Bleached~~														
824	840				Bleached [illegible] diss. chl (minor sno).														
859	871																		
880	881																		
					Both mineralized: cpy, py, bn diss; cpy (py) qtz, chl veinlets (in chl hfels). cpy (py), hem after mag; qtz veinlets. hairline qtz cpy veinlets in bleached. 2–10 mm cpy qtz veinlets; py, qtz veinlets. py, qtz, ser envelope veinlets in bleached; barren, qtz carb. veinlets: Sulphate (gyps) veinlets ~~[illegible]~~, 10 to 20/ft.														
881	932	?			Quartz Diorite porphyry I. Quartz is less than 5%, as 1mm–3mm phenos. Variably bleached and chloritized, short intervals of dioritized hornfels. ~~Bic veins~~ Mineralized: (bn) cpy py diss; cpy, (bn) py, qtz veinlets; cpy, bn, qtz, chl veinlets; py, qtz veinlets; ~~[illegible]~~ barren carb. veinlets; has cpy, py, hem, qtz veinlets;	F		D	F/D	D		F	F	2	30	1/1		.20
					~~Contact~~ Clots of bio to 4mm partly alt to chl, hydromica.														

DIAMOND DRILL RECORD

Property _____
Hole No. 10 Page No. 4
District _____
Commenced _____
Completed _____

Length _____
Bearing _____
Inclination _____

Lat. _____
Dept. _____
Elev. _____

Drill Type _____
Hole Size _____
Contractor _____

Logged by _____
Approved by _____ Date _____

FOOTAGE From	FOOTAGE To	SAMPLE No.	Length	% Rcy.		Q	KF	Bi	Chl.	Cl.	Ser.	Ep.	Cb.	Sul.	% Sulph.	Diss./ Vein	Py/Cpy	Mag.	
881	932 cont.				Sulphate veinlets.														
932	1215				Hornfels, sio, chloritized.	F		D	D		D	F	F		2%	70	1/2		.4
											local								
											local				5%		5/1		
	972	993			Type III dike 45° to core														
	1082	1083	1096 to 1097		Type I dike 45° to core														
	1021	1026			Bleached														
	1038.5	1040			"														
	1066.5	1069.5			"														
	1074.5	1077			"														
	1085	1100			"														
	1109	1178			"														
					cpy, bn, py dis; cpy, bn, py with quartz veinlets. Barren quartz veinlets; barren carbonate veinlets. mag I cpy, bn, py veinlets; qtz, cb veinlets; sulphate veinlets 2-5/ft.														
1215	1241				(Quartz) diorite porphyry III	F		Sm	D	D			F		1%		1		.1 to .2
1241	1400				Quartz diorite porphyry (Type I. with < 5% 1-3 mm quartz phenos. Chloritized, bleached in part. cpy, py, bn dis; cpy, py (bn) in qtz veinlets. Sulphate veinlets 1-3/ft														

DIAMOND DRILL RECORD

Property: [illegible]
Hole No. 10 Page No. 5
Length
Lat.
Drill Type
District
Bearing
Dept.
Hole Size
Commenced
Inclination
Elev.
Contractor
Logged by
Completed
Approved by
Date

FOOTAGE From	FOOTAGE To	SAMPLE No.	Length	% Rcy.		ALTERATION Q	KF	Bi	Chl.	Cl.	Ser.	Ep.	Cb.	Sul.	% Sulph.	Diss./ Vein	Py/Cpy	Mag.	
1400	1403				Hanging: [illegible] white, some fine mineral streaking throughout. Ser. in 2mm slots.	F				D	F D		F	F	2½	60	2/1		.25
					Mineralized: cpy/py dis with ser.: cpy/py on hairline fracs; py qtz veinlets; barren qtz veinlets; barren carbonate veinlets; barren sulphate veinlets.														
					py, cpy ≈ ser. filled veinlets.														
					E O H.														

DIAMOND DRILL RECORD

Property: Fish Lake
Hole No.: Q-73-11 Page No.: 1
District:
Commenced: June 17/73
Completed: June 27/73

Length: 1202'
Bearing:
Inclination: 90

Lat.: 10110N
Dept.: 9770E
Elev.: 4755

Drill Type: 38
Hole Size: NQ
Contractor: Longyear

Logged by: M. Wolfhard
Approved by: Date:

FOOTAGE From	FOOTAGE To	SAMPLE No.	Length	% Rcy.		ALTERATION Q	KF	Bi	Chl.	Cl.	Ser.	Ep.	Cb.	Sul.	% Sulph.	Diss./ Vein	Py/Cpy	Mag.	Est.
0	137				Casing, prob. bedrock at 120-125														
137	216	6901			(quartz) feldspar porphyry II. Allvery soft	F/				/D	F/D		F/		3		2/1		.3
		02			feldspar, white, in a soft matrix.												1/1		
		03			Mineralized cpy, py, dis; cpy, py on quartz														
		04			hematite fractures; cpy py on quartz veinlets														
		05			1-2% 4mm ser. clots with cpy, py, cpy py with														
		06			ser. veinlets.														
138	146	07			Gouge & post min. fault bx.														
148	153	08			" "														
156	157	09			" "														
166	175	10			" "														
178'	181	11			" "														
182	203	12			Diatreme breccian matrix, mainly felsite &														
		13			type II and quartz veinlet fragments, pink														
		14			calcite cement, vuggy. No bx age or post														
		15			but prob. too near surface for sulphate.														
		16			A few small areas (2x2mm) of 'garniertte green'														
		17			clay.														
216	316	18			(Quartz) dirorite porphyry II. Biotite in	F/		/D	F/D						2	50 @ 250'	2/1	3	.22
		19			matrix, feld mainly fresh.														
		20			Mineralized, dis. cpy (py) py, cpy, qtz.														
		21			chl. veinlets (vuggy), minor qtz. cpy														
		22			veinlets.														
		23			Tr. frac. bn. with cpy.														
231	233	24			Type II as 137-216. Obvious alteration of														
236	240.5	25			dark, biotitic type two, assoc. ser veinlet,														
		26			more sulphides.														
		27																	
240	316	28			Very blocky, avg. piece less than 2" many														
		29			less than 1". Recovery poor.														
316	369	30			(Quartz) dirorite porphyry I. Aphanite	F/			F/D	/DM	FM/				1-1	1/280	1/1		.140
		31			matrix. Only 20% feld, phenos, Type I on basis														.3
		32			of feld. granularity. Feld. fresh to W.														est. a
					soft, hole.														.2 to 3
					Chl. rims to chl. mineralized cpy, (py),														
					dis with chl, soft feld. None with fresh														
					feld chl. rim type alt; also py, cpy, qtz,														
					veinlets; py, chl, qtz veinlets 1 cpy, minor														
					cpy, ser, qtz. veinlets.														

DIAMOND DRILL RECORD

Property: Fish Lake
Hole No.: 11 Page No.: 2
District:
Commenced:
Completed:

Length:
Bearing:
Inclination:

Lat.:
Dept.:
Elev.:

Dll Type:
Hle Size:
Cntractor:

Logged by:
Approved by: Date:

FOOTAGE From	FOOTAGE To	SAMPLE No.	Length	% Rcy.		ALTERATION Q	KF	Bi	Chl.	Cl.	Ser.	Ep.	Cb.	Sul.	% Sulph.	Diss./ Vein	Py/Cpy	Mag.	Est. Cu
369	422	6933			(Quartz) diorite porphyry II. Pervasive	F/		F/D	F/	Dm				1	1/2	-270	1/2		.35
		34			secondary biotite in matrix. 1-2% biotite														
					as magascopic grains in clots. Mineralized:														
					cpy, bu, py, dis. b H more abundant near														
					copper contact; chl, hem (mag) veinlets;														
					qtz, chl, py I cpy, veinlets; biotite, cpy														
					veinlets; very minor ser. envelope veinlets														
					both py; qtz. cpy veinlets. Minor qtz, bn.														
					veinlets near upper contact. Dis.														
					mineralization pass related to narrow zones														
					of pervasive chl. & to insipicut pervasive														
					chl. over 1 - 20 mm near all veinlets but														
					bio; mag. chl. pervasive near lower contact.														
422	488	35			Quartz diorite porphyry III														o
		36																	
488	511	37			(Quartz) diorite porphyry II as 369-422.	F/		FM/D	F/	/DM				1	1/2	-2 80	2/3		.30
		38			Minor bu dis. No: chl, hem, veinlets ser.														
		39			envelope veinlets. Lower contact														
		40			gradational over 3 ore of 45° ser. zones,														
		41			bioed type to 530.														
511	858	42			Quartz diorite porphyry I. (quartz feldspar														
		43			porphyry) 10% 2-4mm sub-euh qtz. Alteration														
		44			mainly chl, w. soft to fresh fe.d														
557	569	45			Quartz diorite porphyry III														
511	533	46			Bleached, sericitized, and/or green clay														
561	563	47			altered abundant veinlet quartz. Feld														
574	580	48			med. soft. 3% cu. of cpy over 1' @ 697'														
620	643	49																	
695	719	50																	
788	795	51																	
843	858	52																	
		53																	
620	630	54			Post mineral shearing. Mineralized: 511-	F/		/DM	D/F	D/	/FM		F/	1	1/2	60	1/2		.30
		55			580 dis. cpy, cpy (major hem) veinlets; cpy,														
		56			py, qtz veinlets; py, cpy, qtz, chl. veinlets;														
		57			minor py, qtz. ser. envelope veinlets. Dis														
					bu erratic, assoc. erratic dis. 2° bio. Most														
					cu dis & with narrow qtz veinlets. 580-670'														
					v. weak dis. cpy, pyg mag (cpy) veinlets;														
					cpy (py) qtz. hairline veinlets														

DIAMOND DRILL RECORD

Property: Fish Lake
Hole No.: 11 Page No.: 3
District:
Commenced:
Completed:

Length:
Bearing:
Inclination:

Lat.:
Dept.:
Elev.:

Drill Type:
Hole Size:
Contractor:

Logged by:
Approved by: Date:

FOOTAGE From	FOOTAGE To	SAMPLE No.	Length	% Rcy.		ALTERATION Q	KF	Bi	Chl.	Cl.	Ser.	Ep.	Cb.	Sul.	% Sulph.	Diss./ Vein	Py/Cpy	Mag.	Est. Cu
		6958			670-725: as 511-580, less dis. min										1 1/2	10	1/1		.2 to
		59																	.25
		60			725-750: Dis. bio in clots & flakes.														
		61			petrograde chl.										1	10	2-3/1		.1
		62																	
		63			750-800: All chl.										1	10	2-3/1		.1
		64			800-858: Minor dis. most cu as hairline	F/			FM/D	/DM			F/	F/	1 1/2		2-3/1		/;5
		65			cpy, py, veinlets I qtz. Minor cpy qtz,														
		66			py, qtz. tr. ser. envelope; chl. qtz, chl.														
		67			carb. veinlets.														
		68																	
858	880.5	69			Hornfels upper contact vague, lower contact	F/			/D	/DM	/DM				1	10	1/1		.15
		70			sharp, irregular. V.g.g. chl, prob. minor														
		71			relic f.g.g.														
		72																	
866	876	73			Bleached, pyrite, clay I set, post minor														
		74			shear.														
		75			Mineralized: minor cpy, dis; cpy, py, on														
		76			hairline fractures. cpy, py on qtz, mag.														
		77			veinlets.														
		78																	
880.5	970	79			Quartz diorite porphyry I 5% qtz. phenos.														
		80			as 511 to 858 feld. mainly fresh. Patch														
		81			relic matrix biotite														
		82			Mineralized: cpy, (py) dis; cpy, py,				F/D				F/	F/	1/2	10	1/1		.1
		83			sparse on hairline fractures I qtz; py,														
		84			cpy, with qtz, chl. veinlets; sulphate														
		85			veinlets; carb. veinlets.														
		86																	
915	927	87			Qtz. diorite porphyry III														
953	965	88			Bleached, qtz. veinlets and py more abundant														
		89			Some 45° shearing.														
		90																	
970	1000	91			Quartz diorite porphyry 15% fresh 2-5mm	F/		/DM	/D				F/	F/					
		92			feldspar, minor 1-2mm qtz, in a v.f.g. dark														
		93			green matrix. Contacts with type I above and														
		94			below are sharp, but age relations are not														
		95			clear. This is prob. younger.														
986	997				Bleached Type I cpy, pyc qtz ser. 30° to 45°														
1000	1202				As 880.5-970			Dm	F/D				F/	F/	1/2	10	1/1		.1

DIAMOND DRILL RECORD

Property: Fish
Hole No.: 12 Page No.: 1
District:
Commenced: July 7
Completed: July 15

Length: 504
Bearing: ~~[illegible]~~
Inclination: -90

Lat.:
Dept.:
Elev.:

Drill Type: 38
Hole Size: NQ
Contractor: Longyear

Logged by: MRW
Approved by: Date:

FOOTAGE From	FOOTAGE To	SAMPLE No.	Length	% Rcy.	Description	Q	KF	Bi	Chl.	Cl.	Ser.	Ep.	Cb.	Sul.	% Sulph.	Diss./Vein	Py/Cpy	Mag.	
0	183				Casing														
183	410				Hornfels, stray bio.										2%	60	1/2		.35
					Mineralized; cpy, bn, py diss cpy, mag, qtz, chl veinlets; vuggy qtz chl bn, cpy veinlets; barren qtz veinlets, barren qtz carbonate veinlets; vuggy qtz cpy to [illegible] Lower contact 30° to core axis. Mag [illegible] 30° [illegible] to 410. Est. 10-20% of Cu in bn. Quartz diorite porphyry [illegible]														
410	504				Quartz diorite porphyry I, crowded stage intrusive bio. pervasive chl assoc. fractures, fragments, chl. leaning, mag. Not QFP. Est 30% of Cu in Bn Mineralized at least intermittently. Mag or not alt. to hem. Prob. losing some frac. Cu, even with good rec. Sulphate from 494 on.	F		DF	Dm	Fm		F	F	2%	60	2/3		.35

↑ from 494

E OH.

DIAMOND DRILL RECORD

Property FISH LAKE
Hole No. Q-73-12 Page No. 1
District [illegible]
Commenced July 7, 1973
Completed July 15, 1973

Length 504'
Bearing
Inclination - 90

Lat.
Dept.
Elev.

Drill Type 38 Longyear
Hole Size
Contractor Canadian Longyear

Logged by M.R. Wolfhard
Approved by
Date

FOOTAGE From	FOOTAGE To	SAMPLE No.	Length	% Rcy.		ALTERATION Q	Ser	Ep	Ch	Sul	% Sulph	Diss./Vein	Py/Cpy	Mag.	
0	183				Casing										
183	410				Hornfels, strong bio.	F/	/D	F/	/Dm	F/	2%	60	1/2		/4
					Mineralized; cpy,bn,py dis; cpy, mag, qtz, chl veinlets; vuggy qtz chl bn, cpy veinlets;										

DIAMOND DRILL RECORD

Property: Fish Lake
Hole No.: 13 Page No.: 1
District:
Commenced:
Completed:
Length:
Bearing:
Inclination:
Lat.:
Dept.:
Elev.:
Drill Type:
Hole Size:
Contractor:
Logged by:
Approved by: Date:

FOOTAGE From	FOOTAGE To	SAMPLE No.	Length	% Rcy.		ALTERATION Q	KF	Bi	Chl.	Cl.	Ser.	Ep.	Cb.	Sul.	% Sulph.	Diss./ Vein	Py/Cpy	Mag.	Est. Cu
0	87				(Quartz) casing diorite porphyry I,	F/				/D	F/		F/		2	10	3/1		.15
87	94	6883			white to light grey. Feldspar alt.														
		84			light green. Very little dis. sulphides.														
					Mineralized: py dis; py, cpy, qtz. ser.														
					envelope veinlets; hairline, py, cpy vein-														
					lets; qtz. carb. veinlets.														
94	126	84			Quartz diorite porphyry III (quartz) diorite														
		85			porphyry II.														
126	152	86			Light to medium gray dis. ser. clots 1-2mm	F/	/D				/D		F/		3	30	5/1		.2
140	152	87			Minor pink (k-spar?) alt. Mineralized:														
					py, cpy, dis. with ser. & dis; py, cpy.														
					hairline fractures; py, cpy l qtz. veinlets.														
127	130	88			Pink and/or white carbonate veinlets. Bx,														
					mixed frag., mixed angularity qtz. matrix,														
					no matrix sulph. Fault, lost circ. sealed														
					with quicktro					/D	F/		F/		2	50	5/1		.15
152	202	89			Quartz, diorite porphyry I, bleached clay alt.														
		90			frac. ser. (envelope) some short sections														
					to 10% v.f.g. py. Mineralized: py,														
					cpy, dis. cpy, py, ser. envelope; py qtz.														
					veinlets; qtz, carbonate veinlets.														
202	320	91			Quartz diorite porphyry III. Two phases,														
					mixed														
					1. Leuco, 20-30% sub. to euh (minor) feld														
					2-5mm, tan alt. L5%, in dis. py.														
					2. Sim. feld, with greenish groundmoss,														
					75% chl. hble.														
					2. prob. cuts 1, but 2. is bleach along carb.														
					or clay? veinlets.														
242	263	92			50% hornfels xenoliths or screens, or														
					fault horses.														

DIAMOND DRILL RECORD

Property: Fish Lake
Hole No.: 13 Page No.: 2
District:
Commenced:
Completed:

Length:
Bearing:
Inclination:

Lat.:
Dept.:
Elev.:

Drill Type:
Hole Size:
Contractor:

Logged by:
Approved by: Date:

FOOTAGE From	FOOTAGE To	SAMPLE No.	Length	% Rcy.		ALTERATION Q	KF	Bi	Chl.	Cl.	Ser.	Ep.	Cb.	Sul.	% Sulph.	Diss./ Vein	Py/Cpy	Mag.	
320	406	6893			Quartz diorite porphyry II. Differs from normal II in flat feld is mainly an sub-bedrock, total plus 40% of rock														
320	362	94			White to light grey. Ser. envelope veinlet; py, cpy dis. py, cpy with ser. envelope veinlets; py, cpy, with qtz hem veinlets. Barren qtz. carb. veinlet; barren sulphate veinlets 1-3/ft; hairline cpy, py veinlets.	F/				/D	F/D?		F/	F/	2	30	5-10/1		.15
362		95			Dark grey to greenish, some ser. selvage veinlets, pervasive chl.	F/			/D	/D	F/		F/	F/	1-1/2	50	8/1		.10
		96																	
		97																	
		98			Mineralized as 320-362, but very poor cu.														
		99																	
		6900 01			END OF HOLE														

DIAMOND DRILL RECORD

Property: Fish Lake
Hole No.: 14 Page No.: 1
District:
Commenced:
Completed: July 20/73

Length:
Bearing:
Inclination:

Lat.:
Dept.:
Elev.:

Drill Type:
Hole Size:
Contractor:

Logged by:
Approved by: Date:

FOOTAGE From	FOOTAGE To	SAMPLE No.	Length	% Rcy.		ALTERATION Q	KF	Bi	Chl.	Cl.	Ser.	Ep.	Cb.	Sul.	% Sulph.	Diss./ Vein	Py/Cpy	Mag.	
0	211				Casing														
211	307	6334			Hornfels, mainly fg, light green to tan.	F/			F/D	/D	FM/		F/		2	10	10/1		.1
		35			short sections with 71 cu chl. clots as														to
		36			69-3 prob. minor pervasive epc.														.15
		37																	
211	220	38			Coarse crystaline (1mm)														
220	250	39			Hornfels or diorite.														
		40																	
		41			Very bleachy. Tectonic post mineral bx														
		42			every 20-30 feet. No obvious change in rock														
		43			or alteration type across any fault zone.														
					Mineralized py (cpy) dis; py, cpy, hem, chl.														
					veinlets; py, cpy, chl. veinlets; cpy, py,														
					qtz. (MoS_2) hairline veinlets; v. minor														
					py, qtz. ser. veinlets.														
					~~END OF HOLE~~														

DIAMOND DRILL RECORD

Property: Fish
Hole No.: 73-15 Page No.: 1
Length: | Lat.: | Drill Type:
District: | Bearing: | Dept.: | Hole Size:
Commenced: | Inclination: | Elev.: | Contractor: | Logged by:
Completed: July 20, 1973 | Approved by: | Date:

FOOTAGE From	FOOTAGE To	SAMPLE No.	Length	% Rcy.		ALTERATION Q	KF	Bi	Chl.	Cl.	Ser.	Ep.	Cb.	Sul.	% Sulph.	Diss./Vein	Py/Cpy	Mag.	
0	56				Casing														
56	457				~~Diorite~~ (Quartz) diorite porphyry. Similar to rocks seen in 69-2, N-4. Rock is composed 40-50% feld phenos, mostly 1-2mm, euhedral; minor 2-4mm sub hedral. The rock could be described as fine grain Type I or crowded, atypical Type II. I probably left to make a new Type called II-c. Lower contact 15° to core axis													
	56	180			Alteration is pervasive Chl, minor relic bio. Clots v. minor fracture sericite, fracture chl.														
	180	457			Alteration is weak spotty pervasive ser, fracture ser., no chl.; minor pink (spec?) near lower contact														
	56	180			chl. section by section clay due to local 10% sulph. py, cpy, chl, hem (mag) veinlets, post trace cc; barren carbonate veinlets; very blocky	F		Dm	F	D	O	Fm		F	3	50	5/1		
	180	457			py, cpy dis to local 10% sulph py, cpy, ser veinlets; py (cpy) qtz, ser envelope veinlets; hemlike veinlets, barren carbonate veinlets. good drilling Minor frac. + dil. MoS2 fluorescent	F		Dm		Dm		Fm		F	2-3	50	3/1		
457		567			Finer grain quartz feldspar porp. Feldspar 1½ - 3 mm qtz slightly smaller, minor chl. ser. envelope veinlets, dis py, cpy with ser. clots, py qtz veinlets. carbonate veinlets. ½ silicified. Massive py veinlets to 1cm.	F		Dm	D	F/O		F		F	2%	50	V/1 to 2/1		.3
567		597			as 180 - 457, pink alt														
597		601			as 457 - 567														