DIAMOND DRILL HOLE LOG
TECK CORPORATION

Property	MINTO	Hole No.	99-04
Location		Bearing at collar	
		Inclination at collar	
Coord.– Collar N	15600		
E	8750	Length	
Elev. – Collar	2859.8	Core Size	HQ 0 – 217'
Date Started	22/MAR/99		NQ 217' –
Date Completed		Logged By	RAD MAR 24-99

LEGEND

SURVEY

Depth	Bearing	Inclination

LITHOLOGY, ALTERATION, MISC.	Depth	GRAPHIC LOG	MINERALIZATION	RECOVERY Run	RECOVERY %	ANALYTICAL Sample	Interval to	width	BOX
0-8' CASING	0			8	100				1
8' – 115' Foliated GRANODIORITE Lt to med grey, mottled PINK & BLACK. WEAKLY TO moderately foliated. DARKER ZONES >> BIOTITE K'SPAR Porphyroblast to 2-3cm 2-3 per FOOT, occasionally CROWDED. Epidote common t Biotite throughout Core. OCCASIONAL thin 2-6" PINK K'SPAR RICH ZONE n WHITE PATCHES.	5	fG		12	100				
	10			17	100				
	15			22	100				2
	20			25.5	100				
	25			29.5	85				
29.5 WEAK SLICKENSIDE	30				100				
	35			37					3
37 – 37.75 ANDESITE DYKE DARK GREEN GRAY	40				100				
	45	fG		47					DDH: 99-04
	50								

LITHOLOGY, ALTERATION, MISC.	Depth	GRAPHIC LOG	MINERALIZATION	RECOVERY Run	RECOVERY %	ANALYTICAL Sample	Interval to	width	BOX
	50		51-53' TRACE < 1% CPY IN BIO RICH ZONE. MAL-AZ STAIN.						4
	55				100				
59-61 BROKEN RUBBLY CORE	60			57					
					100				5
	65			65					
					100				
	70			71					
79'-79 BROKEN RUBBLY CORE	75				100				6
		fG		77					
	80								
	85				100				7
90-92 K'SPAR APLITE DYKE	90			87					
		APL							
	95				100				8
	100	fG		97					
					100				
106-107 CROWDED K'SPAR	105								
		AMD		107					
	110	fG							9
					100				
115-117 Lt Grey to White Med gr Granodiorite	115			117					DDH: 99-04
117-125 Foliated		G							
	120	fG							

LITHOLOGY, ALTERATION, MISC.	Depth	GRAPHIC LOG	MINERALIZATION	RECOVERY Run	RECOVERY %	ANALYTICAL Sample	Interval to	width	BOX
	120	fG							9
125-128 Lt Grey Granodiorite	125								
128-141 Foliated Granodiorite		G		125.5	100				10
131 SMALL FRACTURE 015°ca	130			132	100				
134.5 OFFSET Qtz-K'SPAR vein	135	fG		137	100				11
SLIP 05°ca									
Qtz-K'SPAR 45°ca	140				100				
140- Qtz-K'SPAR + EPIDOTE VEIN		LT GRN GNEISS	145-147 MT veinlet	146					
141-142 LT GREY FIG. GRANODIORITE BIO < 5%	145		OTR cpy.		100				12
142-145 Foliated Granodiorite	150			153.5					
145-146.5 LT Grey Fig. GNEISS magnetic vein		cG			100				
146.5-253 COARSE GRAINED GRANODIORITE	155			157					13
2-3 K'SPAR porphyroblasts / Fl. Med grey colouring	160								
SMALL Qtz-KSPAR segregations @ 160' 2"	165			167	100				
162' 2"									
169' 3"	170								
205' 3"					100				14
	175			177					
	180								
					100				DDH: 99-04
	185			187					
	190								

LITHOLOGY, ALTERATION, MISC.	Depth	GRAPHIC LOG	MINERALIZATION	RECOVERY Run	RECOVERY %	ANALYTICAL Sample	Interval to	width	BOX
206.5 - 207 Lt Grey foliated fine grained grey Bio Granodiorite @ 45° ca	190								
	195				100				
		GG		197					15
	200								
					100				
	205								
				207					16
207 - 253. Foliated Granodiorite	210				100				
	215			217					
	220	SG			100				17
				226					
	225				100				
				231					
	230				100				
				237					
	235								
					100				18
	240								
				247					
	245								19
					100				
253 - 267 MicroGRANODIORITE dyke DARK GREY, Biotite, QTZ Phyr. EQUIGRANULAR	250			255					
					100				
	255			258.5					
	260								

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LITHOLOGY, ALTERATION, MISC.	Depth	GRAPHIC LOG	MINERALIZATION	RECOVERY Run	RECOVERY %	ANALYTICAL Sample	Interval to	width	BOX
	260								19
267-268 Med-Coarse Grained Granodiorite K-spar altered	265	mG		265	100				
268-274 Andesite dyke. Dark-Grey-black. (W/L C 60°ca) f.g. with phlogopite Olivine. Chlorite clots Calcite filled amygdules	270	cG			100				20
	275	AND		275					
274-282.5 Coarse Grained Granodiorite	280	cG			100				20
282.5-290 Aplite dyke White, f.g., ~3% Bio very broken core 284-289	285	Apl		285.5 287 289	100 50				
290-298.5 c.G Granodiorite	290				100				
298.5-300 APLITE	295	cG		297					21
300-334 Foliated Granodiorite	300	Apl			100				
	305			302					
	310			307	100				
	315	fG							22
	320			317					
	325				100				
	330			326.5					

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LITHOLOGY, ALTERATION, MISC.	Depth	GRAPHIC LOG	MINERALIZATION	RECOVERY Run	RECOVERY %	ANALYTICAL Sample	Interval to	width	BOX
334-335.5 Foliated fg Gneiss	330	45°							23
335.5-405 Foliated Granodiorite	335			336.5	100				
	340				100				
	345			346.5					24
	350				100				
	355	+G		356.5					
	360				100				
	365			366.5					25
	370				100				
	375			377					
	380				100				26
	385			387					
	390				100				
	395			397					
	400								

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LITHOLOGY, ALTERATION, MISC.	Depth	GRAPHIC LOG	MINERALIZATION	RECOVERY Run	RECOVERY %	ANALYTICAL Sample	Interval to	width	BOX
405.25 – 406.0 APLITE DYKE	400	fG							27
410 – 412. F.G GROR Foliation parallel core	405	apl			100				
412 – 439.0 Foliated Granodiorite foliation @ 45° ca	410	fG		407					
		f.g fG			100				
	415			414					
	420								28
	425	fG		424	100				
				427					
Small slip at base, chlorite coated slickensides	430								
	435				100				
439 – 440.5 APLITE DYKE Contacts @ 45°				437					29
440.5 – 460.5 Coarse G.R. GROR minor aplite, Qtz-K'spar pegmatite to 1-2"	440	apl			100				
	445								
				447					
	450	fG			100				
	455			457					30
	460								
460.5 – 464.0 Qtz-K'spar Pegmatite 4 ± L contacts 15° ca.		Peg.			100				DDH: 99-04
464.0 – 494 Foliated Granodiorite weakly Foliated to non Foliated. K'spar porphyroblasts 1 M common	465			467					
	470								

LITHOLOGY, ALTERATION, MISC.	Depth	GRAPHIC LOG	MINERALIZATION	RECOVERY Run	RECOVERY %	ANALYTICAL Sample	Interval to	width	BOX
	470								
	475				100				
				475.5					31
	480								
					100				
	485	FLT		485.5					
				487	85				
	490	045°							
					100				
494-496 MED GRAY Fth Phase of GROR	495			495.5					
									32
500-501 White APLITE DYKE U&L contact 45°ca	500				100				
				503					
					100				
507' EOH.				507					

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	10		7.71	✓	71		3.71		34		2.38
✓	12		1.66		72		4.08		36		4.95
	12.5	DYKE	3.07		74		1.51	✓	137		6.87
	14		1.02		76		2.68		38		8.73
	16		3.93	✓	77		5.29		40		5.29
✓	17		0.45		78		3.17		42	DYICE	2.35
	18		3.84		79	DYICE	5.96		44		6.55
	20		0.36		80		6.23	✓	146		41.80
✓	22		0.80		82		5.07		48		4.33
	24		0.73		84		4.83		50		13.8
✓	25.5		0.85		86		5.05		52		8.56
	26		6.88	✓	87		5.15	✓	153.5		6.70
	28		5.00		88		7.02		54		3.66
✓	29.5		4.38		90	DYKE	1.88		56		8.09
	30		7.35		92		5.66	✓	157		4.25
	32		13.2		94		6.43		58		6.82
	34		10.1		96		8.75		60		6.66
	36		4.06	✓	97		4.63		62		8.50
✓	37	DYKE	0.31		98		5.57		64		9.50
	38		3.32		100		5.49		66		7.19
	40		2.77		102		14.6	✓	167		7.62
	42		2.60		104		12.5		68		7.56
	44		1.74		106		8.21		70		6.82
	46		5.17	✓	107		11.7		72		5.69
✓	47		4.75		8		5.34		74		5.82
	48		4.92		10		11.5		76	DYKE	2.35
	50		9.05		12		8.80	✓	177		9.27
	52		3.30		14		5.05		78		5.77
	54		8.66		16	DYICE	7.12		80		4.83
	56		1.78	✓	117		11.8		82		5.86
✓	57		1.36		18		17.3		84		11.2
	58		1.00		20		4.38		86		6.66
	60		11.9		22		5.34	✓	187		6.82
	62		5.54		24		8.75		88		5.84
	64		0.99	✓	125.5		5.74		90		5.99
✓	65		4.70		26		10.4		92		8.21
	66		9.03		28		1.94		94		4.72
	68		1.22		30		7.39		96		6.21
	70		3.89	✓	32		7.20		197		6.61

198	9.72	✓ 265	13.5		30	11.5	
200	7.50	66	9.46		32	9.15	
2	6.50	68	7.90		34	12.3	
4	12.4	68.5	36.1	MAG DYKE	✓ 336.5	13.2	
6	5.39	70	35.4		38	7.06	
✓ 207	5.22	72	40.7		40	5.19	
8	4.11	74	17.4	END MAG DYKE	42	2.61	
10	6.88	✓ 275	3.20		44	13.7	
12	6.50	76	5.85		✓ 346.5	5.63	
14	4.93	78	7.86		48	8.78	
16	6.38	80	5.25		50	8.43	
✓ 217	6.31 END MA	82	6.27		52	8.47	
18	6.29	84	0.49	DYKE	54	5.85	
20	4.61	✓ 285.5	0.18	"	✓ 356.5	4.79	
22	5.98	86	0.07		58	6.78	
24	4.95	✓ 287	0.09		60	8.54	
✓ 226	4.02	88	0.12		62	6.16	
28	3.60	✓ 289	0.58		64	3.95	
30	4.28	90	1.81		✓ 366.5	15.6	
✓ 231	7.50	92	8.07		68	12.1	
32	5.69	94	12.7		70	4.04	
34	8.16	96	5.45		72	7.66	
36	6.00	✓ 297	12.0		74	12.4	
✓ 237	6.75	98	7.90		76	8.39	
38	6.18	300	1.53	DYKE	✓ 377	6.60	
40	3.97	✓ 302	2.41		78	8.87	
42	7.37	304	17.0		80	9.22	
44	2.26 DYKE	6	5.38		82	11.8	
46	5.50	✓ 307	2.45		84	7.99	
✓ 247	5.81	8	20.9		86	11.1	
48	7.74	10	4.04		✓ 387	4.5	
50	5.87	12	8.38		88	11.3	
52	4.92	14	0.58		90	13.2	
54	17.8 MAG DYKE	16	5.58		92	9.57	
✓ 255	18.8	✓ 317	7.28		94	10.4	
56	18.1	18	0.62				
58	17.7	20	9.09				
60	19.3	22	11.3				
62	14.5	24	8.56				
64	16.9	✓ 326.5	2.67				
		28	3.33				

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99-04 Mag Susceptibility

398	3.58	444	7.32	490	3.87
400	5.45	446	9.44	492	5.25
402	6.16	448	6.10	494	2.76
404	3.60	450	4.12	496	1.62
406	3.84	452	3.04	498	3.44
408	4.04	454	4.94	500	3.12
410	3.75	456	4.33	502	2.52
412	2.50	458	6.84	504	6.40
414	4.72	460	5.25	506	2.74
416	5.73	462	2.92		
418	5.39	464	2.74		
420	4.86	466	5.19		
422	1.88	468	0.00		
424	4.39	470	0.00		
426	5.25	472	2.45		
428	4.62	474	1.83		
430	5.49	476	3.84		
432	1.59	478	1.18		
434	10.7	480	4.88		
436	4.84	482	4.97		
438	5.50	484	6.77		
440	2.56	486	4.44		
442	6.77	488	0.00		