



# DIAMOND DRILL HOLE LOG

## TECK CORPORATION

Page 1 of 8

## LEGEND

_____	<input type="checkbox"/>	_____	<input type="checkbox"/>
_____	<input type="checkbox"/>	_____	<input type="checkbox"/>
_____	<input type="checkbox"/>	_____	<input type="checkbox"/>
_____	<input type="checkbox"/>	_____	<input type="checkbox"/>

## SURVEY

Depth Bearing Inclination

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Property	<u>MIN TO</u>	Hole No.	<u>93-B</u>
Location	<u>RECORD 249</u>	Bearing at collar	_____
		Inclination at collar	<u>-90</u>
Coord.- Collar N	<u>11,499.2</u>	Length	<u>495</u>
E	<u>9959.2</u>	Core Size	<u>HQ</u>
Elev.- Collar	<u>2812.4</u>	Logged By	<u>PF</u>
Date Started	<u>19/SEPT/93</u>		
Date Completed	<u>21/SEPT/93</u>		

LITHOLOGY, ALTERATION, MISC.	Depth	GRAPHIC LOG	MINERALIZATION	RECOVERY		ANALYTICAL						BOX
				Run	%	Sample	Interval to	width				
0-22 OVERBURDEN	20	0-22	CASING TO 32'									Box 1
22-54 FOLIATED GRANODIORITE SOME GLOSSY TEXTURED (8) INTENSELY FRACTURED AND OXIDIZED TO HEAVY CLAYS.	30	22-54	INTENSE CLAY ALT.	23.5	55							
RELATIVELY ABUNDANT CALCITE	40	30-40	INTENSE FRACT.	25.5	43							Box 2
NO SINGLE PIECE OF CORE EXCEEDS 0.5 FT IN LENGTH	50	40-50	INTENSE FRACT.	29	25	005013	31-34	3	AAA SAMPLE			
	60	50-60		31	86							
	70	60-70		36	70							
				37	22							
				42	27							
				43.5	95							
				45.5	25							
				46.5	50							
				48	30							
				50	45							
				52	20							
				53	85							
54.5-57 ANDESITE DYKE (12) COMPLETELY OXIDIZED → HAM.	60	54.5-57	INTENSE CLAY ALT → LIGHT GREEN SOFT ROCK.	54.5	50	005014	54.5-58	3.5	ABA SAMPLE			
57-115 FOLIATED GD (8)	70	57-115	59-67	56	48							
INTENSE HAM ALT + CLAYS TO 36'				59	52							
ALL CORE PIECES < 0.5 FT IN LENGTH.				60.5	33							
				62	95							
				67	68							

LITHOLOGY, ALTERATION, MISC.	Depth 70	GRAPHIC LOG	MINERALIZATION	RECOVERY		ANALYTICAL							BOX
				Run	%	Sample	Interval to	width					
				71									
					98								
				76									
GREEN CLAY ON FRACTURES.		CLAY	HIGHLY FRACT.		80								Box 5
				78.5									
					68								
CALCITE FRACTS THROUGHOUT.	80			82.5									
					54								
				86									Box 6
					60								
	90			91	48								
				93									
				95	65								
					86								
96'-115' - LESS INTENSE OXIDATION, BUT STILL STRONG HEM., SOME CLAYS.	100		SPECK OF MALACHITE @ 101	100		005015	100-103	3	ABA	SAMPLE			
					98								
				105									Box 6A
					99								
	110			110									
111-112 PINK ALASKITE.					90								
				115		3157	114-115	1	ABA				Box 7
115-127 FAULT ZONE. ABUNDANT CLAYS AND HEMATITE					80								
	120			120									
				122	85								
					72								
				127									Box 8
127-194 PORPHYROBLASTIC G.D. (10) STRONG HEMATITE, CHLORITE, EPIDOTE ALTERATION. CALCITE FRACTURE FILLING THROUGHOUT.	130		PROBABLE DIPPING LIMITS 134 ↓ CLAY ON FRACTURES.	129.5	52								
				132	45								
				134									
					90								
				137.5									Box 9
	140			139	98								

 DDH:  
93-8



LITHOLOGY, ALTERATION, MISC.	Depth	GRAPHIC LOG	MINERALIZATION	RECOVERY		ANALYTICAL							BOX
				Run	%	Sample	Interval to	width	Al g/g	Ag ppm	C %		
	210				50								
				212		2172	209.0-210.5	1	ABA				
				215	73	2174	225.5-236.5	1	ABA				
						2173	241.0-242.0	1	ABA				
					98								
	220			220.5									
					98								
				225.5									Box 16
					91								
	230			231									
					99								
				236		3156	236-237	1	ABA		2.75		Box 17
					100	±5 feet zone	WITH BORNITE						
	240			241									
					95								
				246									Box 18
					99								
	250			251									
					100								
				256									
						3158	256-257	1	ABA				
	260												
					91								Box 19
				267									
					94								
	270			272		4999	270-275	5	0.029	10.0	1.29		Box 20
					100								
				274		5000	275-280	5	0.020	5.5	0.89		
				276.5	100	005012	270-285	15	4BA	EXTRACTION	LEACH		
						2175	275.0-276.5	1.5	ABA				
	280			280	100								

DDH:  
93-B

LITHOLOGY, ALTERATION, MISC.	Depth	GRAPHIC LOG	MINERALIZATION	RECOVERY		ANALYTICAL						BOX
				Run	%	Sample	Interval to	width	Al <sub>2</sub> O <sub>3</sub> %	Ag <sub>2</sub> O %	CaO %	
282-283. GRANITIC INCLUSION WITH MAGNETITE ALT. TO HEMATITE, BOTTOM CONTACT @ 30°	280	MAG HEM 2 MAG 30° SP BN	WELL FRACTURED. SP, BN THROUGHOUT.	282	50	4551	280-285.5	5.5	0.145	14.4	1.71	Box 21
285.5-292.5. PEG (11)	290	PEG 11 55° CP BN	FRACTURED. CONTACT. WELL MINERALIZED WITH SP, BN.	286.5	96							
292.5-294.7 FOLIATED GRANODIORITE BIOTITE RICH	290	PEG 11 55° CP BN	FRACTURED. CONTACT. WELL MINERALIZED WITH SP, BN.	290	99	2180	291.5-292.5	1	ABA			Box 22
294.7-311.5 PORPH. GRANODIORITE (10)	292	5 CP BN		292	99	4552	292.5-294.7	2.2	0.018	6.5	1.32	
EPIDOTE - CHLORITE ALTERATION, WEAK	300	10		297	98							Box 23
	300	10		302	100							
	310	10	TRACES BN ON SMALL SHAR, HEALED SHAR WITH MINOR QTZ.	307	100							Box 24
311.5-317.5 FOLIATED GRANODIORITE (5) WITH MAG. ON FOLIATION PLANES AND PATCHES EPIDOTE - CHLORITE ALT. STRONG	310	5 15° 5		312	100	4553	311.5-317.5	6	0.021	1.0	0.09	
	320	10		317	99							Box 25
317.5-332 PORPHYROBLASTIC GD. (10)	320	10		322	100							
WEAKLY FRACT. VERY WEAK EPIDOTE - CHL ALT.	330	10 40° 45°		327	100							Box 26
332-350 GRANODIORITE TO BIOTITE QTZ. DIORITE (9) WEAK EPIDOTE - CHLORITE ALT.	330	9		332	100							
	340	LIM LIM PEG 20° 45° LIM 20° LIM	SMALL FAULT, LIM, CALCITE MINOR CLAY.	337	100							Box 27
343-344 PRGMATITE @ 45°	340	LIM LIM PEG 20° 45° LIM 20° LIM		342	100							
	350			347	100							Box 28
	350			349	100							
						005 016	347-350	3	ABA	SAMPLE		Box 29

DDH  
93-B

LITHOLOGY, ALTERATION, MISC.	Depth	GRAPHIC LOG	MINERALIZATION	RECOVERY		ANALYTICAL							BOX
				Run	%	Sample	Interval to	width	Ag g/t	As g/t	Cu %		
350-357 FOLIATED GRANODIORITE (5) WITH SILICEOUS SECTIONS, BIOTITE RICH SECTIONS. WEAKLY FOLIATED ALMOST INDISTINGUISHABLE FROM HANGING WALL ROCK. WEAK EPIDOTE-CHLORITE ALT.	350	20% MAG	WELL MINERALIZED Cp, B <sub>N</sub> = 15:1	352		MEY. SAMPLE							Box 26
357-359 ANDROSITE DYKE (12)		MAG			100	2188	350-354	4.0	0.33	.017	4.28		
359-369 FOLIATED GRANODIORITE (5)		MAG				2189	354-357	3.0	0.39	.034	4.89		
359-363 WELL FRACTURED, 15/M MAGNETITE THROUGHOUT AND IN SILICEOUS PATCHES & VEINS.		MAG	CONTACT.	357	80	356.0	DISPLAY SAMPLE						
369-371 SILICEOUS ORR. (2)	360	MAG	MODERATELY WELL MINERALIZED. Cp-B <sub>N</sub> .			2190	357-359	2.0	0.01	.001	0.31		
MAGNETITE RICH FINE GRAINED SILICEOUS ORR WITH INTENSE CHLORITE? ALT.		MAG		362		(03)	359-369	LAKEFIELD	ABRASION TEST				Box 27
371-372 BIOTITE RICH GNEISS (7) CALMITE.		MAG			100	2191	359-364	5.0	0.13	.010	1.49		
372-376.5 GRANODIORITE (9)		MAG				2192	364-369	5.0	0.13	.012	1.48		
376.5-382 CHLORITE-CLAY ALTERED MINERALIZED, ALTERED GRANODIORITE (5)	370	MAG	HI GRADE. SMALL FOLD NEST.	367		2193	369-372	3.0	0.61	.027	6.19		
MAGNETITE THROUGHOUT.		MAG			100	372.0	DISPLAY SAMPLE						
382-398.6 BIOTITE QTZ-FELD GNEISS (12)		MAG		372		2194	372-376	4.5	0.05	.002	0.43		
SECTIONS OF STRONG SERICITE ALTERATION. SECTIONS CONTAINING ABUNDANT BIOTITE ARE WELL MINERALIZED. MAGNETITE THROUGHOUT.		MAG			100	3201	372-374	ABA					
ALSO QUARTZ/FELDSPATHIC APLITE TEXTURED BANDO SECTIONS. UP TO 1/2 FT WIDE.		MAG	PATCHY HI GRADE B <sub>N</sub> = Cp	377		5195	376.5-382	5.0	0.48	.017	3.39		Box 28
398.6-400.3 COARSE BLOTCHY GRANODIORITE	380	MAG			100	(05)	382-398	LAKEFIELD	ABRASION TEST				
400.3-403 FOLIATED GRANODIORITE (5)		MAG				2196	382-387	5.0	0.20	.018	1.62		
MAGNETITE THROUGHOUT. INTENSE CHLORITE		MAG		382		384-385.5	19"	J.K. MORTENSEN	UBC				Box 29
403-404.5 SILICEOUS ORR (2) CHL, HEM.		MAG	HI GRADE 387-397	387		2197	387-392	5.0	0.59	.034	4.18		
404.5-415. ALTERED BIOTITE QUARTZ FELDSPAR GNEISS (6) INTENSE CHLORITE ALT, ORIGINAL TEXTURES ALMOST OBLITERATED. HIGH CONCENTRATION OF MAG. ALSO SILICA ALT, HEM.	390	MAG			100	2198	392-397	5.0	0.37	.021	3.78		
412-415- FOLIATION ALMOST // CORE		MAG				395.0	DISPLAY SAMPLE						
415-432 SHEAR ZONE, HEALED	400	MAG	SOLID CORE	397		2199	397-398.6	1.6	0.16	.015	1.57		
		MAG	SOLID CORE		100	2200	398.6-400.3	1.7	0.01	.001	0.17		
		MAG	MODERATELY MIN.	402		3175	400.3-404.5	4.2	0.25	.016	2.38		Box 30
		MAG	WELL MINERALIZED		100	406.0	TO 406.7	SRK	STRENGTH TEST				
		MAG	HIGHLY MINERALIZED B <sub>N</sub> Cp	407		3176	404.5-406.0	5.5	0.27	.023	2.30		
	410	MAG			99	3177	410-415	5.0	0.31	.054	2.85		
		MAG		412		414.0	DISPLAY SAMPLE						
		MAG	WELL MINERALIZED	417		3178	415-420	5.0	0.22	.019	2.29		Box 31
	420	MAG			100								

DPH:  
93-8



LITHOLOGY, ALTERATION, MISC.	Depth	GRAPHIC LOG	MINERALIZATION	RECOVERY		ANALYTICAL						BOX
				Run	%	Sample	Interval to	width	Au g/t	Ag ppm	Cu %	
HEALED BLACK CHLORITE GOUGE, MAGNETITE RICH, CALCITE, MOSTLY GRANODIORITE LITHOLOGIES AS CLASTS WITHIN SHEAR ZONE. SHEAR ALMOST // CORE.	420	MAG F S	WELL MINERALIZED	422	99	3179	420-426	6.0	0.016	0.30	3.29	
		CHL A S	CP, BN.									
		U S		427		3180	426-432	6.0	0.017	0.25	2.37	Box 32
		MAG L S										
	430	CHL T S			98	3181	432-434	2.0	0.001	0.01	0.05	Box 32
432-434. ALTHOUGH APLITE				432								
434-438 COARSE, BLOTCHY TEXTURED		50°		100		3182	434-438	4.0	0.005	0.050	0.45	
GRANODIORITE (8) SOLID CORE			WEAKLY MINERALIZED			3202	435-437		ABA			
438-440.5 GRANITE PEGMATITE		45°	WITH CP, BN.	437		3183	438-440.5	2.5	0.001	0.01	0.06	Box 33
	440	GP		100								
440.5-459 MIXED BIOTITE RICH		7/4 132		442		3184	440.5-445	4.5	0.021	0.34	3.41	
GNEISS AND QUARTZ RICH QUARTZ- FELDSPATHIC GNEISS (7-4)		CP BN	WELL MINERALIZED	100			444.0		DISPLAY	SAMPLE		
MAGNETITE RICH BANDS			OVER ENTIRE SECTION.	447		3185	445-450	5.0	0.027	0.50	4.68	
CHLORITE ALTERATION @ TOP												
OF SECTION. SILICEOUS SECTIONS	450	MAG 7/4 132		100								
MIXED THROUGH SECTION.		CP BN		452		3186	450-455	5.0	0.035	0.57	5.27	Box 34
EPIDOTE ALT. THROUGHOUT. SOME CHL.												
SOLID CORE.		MAG 7/4 132		100		3187	455-459	4.0	0.033	0.41	4.14	
SCHIST ALT. OF FELDSPARS.		CP BN		457					AU OPT	AG OPT	Cu %	Box 34
	460		END OF MAIN ZONE.	100			Comp.	109'	0.019	0.292	2.78	
459-468 GRANODIORITE (9)		9		462		005017	459-461	2	ABA	SAMPLE		
WEAK SKEAR RELATED NEM, CHL		9		100								
ALT.		9		467		4554	468.5-473	4.5	0.003	1.1	0.69	Box 35
	470	CHL 5 160	RELATIVELY WEAK	100		3203	469-471		ABA			
468-495 FOLIATED GD (5)		5 132	CP BN MINERALIZATION	472		4555	473-478	5	0.009	<1.0	0.15	
STRONG CHL. ALT. 48M. ALT		CP BN	TO END OF HOLE.	100								Box 36
OF FELDSPARS, SOME EPIDOTE.				477		4556	478-482	4	0.002	1.6	0.47	
	480	CHL 5 132		100								
NOVA CALCITE FLUORITE VEINLET		5 132		482		4557	482-487	5	0.008	1.5	0.50	
@ 480		5 132		100		4558	487-492	5	0.005	1.0	0.45	
A FEW TRACKS MAGNETITE		CHL 5 132		487								
	490	NEM 5 132		100								

DDH:  
93-6

LITHOLOGY, ALTERATION, MISC.	Depth	GRAPHIC LOG		MINERALIZATION	RECOVERY		ANALYTICAL						BOX	
					Run	%	Sample	Interval to	width					
STRONG CHLORITE, KIM RNT	490	CNL	5	490										
		490	5	P	492		4559	492-495	3	0.008	1.9	0.67		Box 37
	495	CNL	5	P.H.	495	100								
				E.O.H. 495										

 DPH:  
 93-B



DRILLHOLE NO. 93-BPAGE 1 / 1DATE LOGGED: 19 OCT 93 BY: PF.

## RMR DRILLCORE LOGGING FORM

INTERVAL		Lith.	Length	No. Joints	S2	Strength (MPa) S1	JOINT CONDITION				RMR	
From	To						Large (A)	Small (B)	Alt. (C)	Fill (D)	S3 (A*B*C*D*40)	S1+S2+S3
3	36	8	33		2	2	80	90	100	30	9	13
36	44	8	8		5	3	80	90	100	70	20	28
44	60	8	16		2	2	80	90	100	30	9	13
60	67	8	7		2	1	80	90	100	30	9	12
67	79	8	12		2	2					9	13
79	105	8	26		5	3	80	90	100	50	14	22
105	115	8	10		12	6	80	90	100	50	14	32
115	127	FAULT ZONE, CLAYS, NO STRENGTH										
127	194	10	73	HIGHLY FRACTURED, BROKEN ZONE CLAY ON FRACTURES, SOME CALCITE & DAY FRACS. NO CORR PIECES GREATER THAN 0.5' IN LENGTH. VERY WEAK SECTION. GIVE IT							ABUNDANT	HEAVY
194	206	9	12		7	3	80	90	100	30	9	19
206	247	FAULT ZONE, SOFT ROCK WITH CLAYS, SERPENTINE, HEMATITE.										
247	260	10	13		11	4	80	90	100	85	26	41
260	267	10	7		7	4	80	90	100	70	20	31
267	270	10	3		31	7	80	90	100	90	26	64
270	285.5	2	15.5		5	18	80	90	100	90	26	99
285.5	292.5	11	7		7	16	80	90	100	70	20	43
292.5	311.5	10	19		18	8	80	90	100	80	23	49
311.5	317.5	5	6		10	7	80	90	100	60	17	34
317.5	332	10	14.5		21	8	80	90	100	90	26	55
332	350	9	18		15	8	80	90	100	70	20	43
350	357	5	8		24	8	80	90	100	80	23	55
357	363	5	6		10	6	80	90	100	80	23	39
363	371	5	8		24	7	80	90	100	80	23	54
371	394	6	23		20	3	80	90	100	60	17	40
394	415	6	21		24	7	80	90	100	80	26	57
415	432	FLT. HEALED FAULT ALMOST // TO CORE.										
432	441	8/peg.	9		24	8	80	90	100	90	26	58
441	459	7/4	18		21	6	80	90	100	70	20	47
459	468	9	9		21	12	80	90	100	90	26	59
468	495	5	27		21	8	80	90	100	80	23	54