

**TECK EXPLORATION LTD.
DIAMOND DRILL LOG**

**Hole: BJ-92-05
Sheet: 1 of 4**

Job <u>16120</u>	N.T.S. <u>12A/16</u>	Objective <u>Test I.P. chargeability</u>	Core Location <u>St. John's office</u>	Tests Dip <u>-50°</u> Azimuth <u>138°</u> At Collar <u>94.49m</u> <u>-48°</u> _____ _____ _____ _____ _____ _____
Property <u>Buchans Junction</u>		<u>anomaly and area of min. boulders</u>		
Ore Zone _____		Drilling Co. <u>Petro Drilling Ltd.</u>	Distance to Water _____	
Location: Line <u>7+95 S</u>			Casing Lost _____	
Station <u>4+65 E</u>		Commenced <u>October 6, 1992</u>		
Elevation _____		Completed <u>October 9, 1992</u>	Core Size <u>BQ</u>	
Logged <u>Wayne Pickett/Kelly Brophy</u>		Length <u>91.44m</u>		
Remarks _____				

Depth (m)		Rock Type	Description	Sample No.	From	To	Length (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Na ₂ O (%)
From	To										
0.0	15.0	Overburden									
15.0	33.1	Rhyolite (3f)	buff to pale green-grey, very silicious, several tiny quartz and feldspar phenocrysts, few quartz veins 17.2 - 17.7 several very thin blue-grey veinlets (smoky quartz and sulphide?) 18.4 - 18.7 slightly chloritized 25.4 - 25.6 slightly chloritized, few thin blue-grey veinlets 26.3 - 27.4 several blue-grey veinlets 27.5 - 27.6 moderately chloritized 31.9 - 32.0 red hematized cherty layer and chalcedony layer 33.03 - 33.07 similar to 31.9 - 32.0, possibly marks contact between flows, layering at 65° to core axis, chlorite and epidote veins in top of underlying flow parallel layering	9645	15.0	33.1	18.1	15	23	90	5.99
				9646	17.2	17.6	0.4	7	21	45	5.99

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Depth (m)		Rock Type	Description	Sample No.	From	To	Length (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Na ₂ O (%)
From	To										
33.1	36.6	Quartz-Phyric Rhyolite (3fzq)	pink to buff, several 1-2mm quartz and tiny feldspar phenocrysts 34.1 - 34.4 several blue-grey veinlets	9648	33.1	36.6	3.5	15	10	35	5.47
36.6	38.1	Rhyolite (3fz)(sc.,chl.)	36.6 - 36.7 pale green, sericitized, chloritized and silicified in places, trace pyrite	9649	36.75	37.25	0.5	23	16	80	0.11
			36.7 - 37.6 pale green to olive green, slightly to moderately silicified, sericitized and chloritized, trace pyrite few carbonate veinlets containing specular hematite 37.45 - 37.50 sericite gouge zone 37.5 - 38.1 pink in colour	9650	37.6	38.6	1.0	42	3	41	3.50
38.1	40.6	Feldspar-Phyric Rhyolite (3fz)	pink to olive green, abundant 1-3 mm feldspar phenocrysts, moderately silicified, few sericite veinlets, trace galena? 40.56 - 40.60 chlorite-rich gouge								
40.6	48.3	Rhyolite (3fz)(sc.)	pink to buff, slightly to moderately silicified, several quartz veins, few sericitized sections, locally brecciated, few chlorite veins, trace galena?	9651	40.6	43.4	2.8	18	<2	39	4.97
			Sample 9652 taken from sericitized sections between 45.0 and 46.5 m	9652	45.0	46.5	1.5	11	40	45	2.05

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Depth (m,		Rock Type	Description	Sample No.	From	To	Length (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Na ₂ O (%)
From	To										
48.3	61.1	Brecciated Rhyolite (3f,bx)	buff-pink to olive green, locally chloritized, chlorite and quartz form matrix in brecciated sections	9653	48.35	48.53	0.18	6	15	57	0.38
			Sample 9653 from chloritized sections		49.62	49.74	0.12				
			51.5 - 51.7 shear/gouge zone at 25° to core axis		51.70	51.85	0.15				
			52.6 - 52.8 layered chalcedony probably marking flow contact, layers are locally offset, they are at 15° to core axis								
			53.3 - 54.5 buff, unbrecciated rhyolite	9654	53.5	60.3	6.8	14	7	25	3.88
			Sample 9654 from less chloritized sections								
61.1	63.3	Rhyolite Breccia (3f,bx)	medium green, sericitized and chloritized rhyolite fragments occur in chlorite-rich matrix	9655	61.5	62.8	1.3	22	20	66	0.83
			Sample 9655 from more chlorite-rich areas								
63.3	69.0	Strongly Chloritized Rhyolite Breccia (3f,bx)(chl.)	medium green, chloritized rhyolite fragments in chlorite-rich matrix, locally silicified								
			63.1 - 63.3 strongly chloritized gouge	9656	63.3	66.0	2.7	26	10	40	1.60
			63.3 - 68.9 trace py, cp and galena?	9657	66.0	68.0	2.0	12	9	66	2.01
			65.9 - 68.9 brecciated sections intermixed with more massive intensely chloritized sections								
			Sample 9656 from more chlorite-rich sections								
			68.9 - 69.0 hematized, silicified and carbonatized, few pyrite veinlets	9658	68.6	69.0	0.4	697	8	75	3.54

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Depth (m)		Rock Type	Description	Sample No.	From	To	Length (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Na ₂ O (%)
From	To										
69.0	91.44	Pillowed Basalt (1P)	69.0 - 73.0 medium green, 10% calcite veins 73.0 - 83.5 red-brown to medium green, hematized, chlorite-rich pillow selvages, locally epidotized, 5% calcite veins 83.5 - 91.44 hematized, epidotized, locally amygdaloidal, amygdules are 1-2 mm across and calcite filled 86.4 m calcite forms rounded masses in pillow selvages	9659 9660	70.0 75.0	73.0 89.0	3.0 14.0	62 23	8 11	69 90	3.91 4.94
91.44			E.O.H.								