

**TECK EXPLORATION LTD.
DIAMOND DRILL LOG**

**Hole: BJ-92-02
Sheet: 1 of 3**

Job <u>16120</u> N.T.S. <u>12A/16</u>	Objective <u>Test Horizontal Loop</u>	Core Location <u>St. John's office</u>	Tests At Collar <u>94.49m</u> Dip <u>-50°</u> Azimuth <u>133°</u> <u>-50°</u>
Property <u>Buchans Junction</u>	Conductor _____	Distance to Water _____	
Ore Zone _____	Drilling Co. <u>Petro Drilling Ltd.</u>	Casing Lost _____	
Location: Line <u>9+00 N</u>	Commenced <u>October 1, 1992</u>	Core Size <u>80</u>	
Station <u>2+75 E</u>	Completed <u>October 3, 1992</u>		
Elevation _____	Length <u>94.49m</u>		
Logged <u>Wayne Pickett/Kelly Brophy</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	6.5	Overburden									
6.5	9.7	Rhyolite (3f)	Medium green, fine grained, silicious, trace pyrite, minor hematite, few late calcite veins								
9.7	10.3	Intermediate to Felsic Tuff (3t)	10.3 m sharp contact								
10.3	11.9	Rhyolite (3f)	10.3 - 10.9 grey in colour 10.9 - 11.3 light green, sericitized 11.3 - 11.9 grey green								
11.9		Intermediate to Felsic Tuff (3t)	intermediate to felsic tuff layer about 3 cm thick, layering at 80° to core axis								

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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										
11.9	16.5	Cherty Rhyolite (3f)	11.9 - 13.0 dark green, fine grained and silicious, few pyrite veinlets, few black chlorite and about 2% late calcite veins	9622	13.6	13.8	0.2	9	12	50	3.81
			13.0 - 14.4 black very silicious, few calcite veins	9623	15.8	15.9	0.1	10	59	88	4.83
			14.4 - 16.4 green, silicious, aphanitic								
16.5	16.7	Gabbro (1g)	dark green, very fine grained								
16.7	21.2	Cherty Rhyolite (3f)	green, aphanitic, very silicious, fractured, several chlorite-sericite-calcite veinlets 19.9 - 20.7 brown-green in colour sericite-calcite gouge zone about 3 cm wide marks contact with underlying unit	9624	17.0	17.1	0.1	8	19	46	3.26
21.2	21.9	Mottled Pink-Grey Rock (Altered Granitic Dyke?) (5)	felsic material comprising quartz and feldspar in a quartz, chlorite matrix, 1% specularite in matrix, several epidote veins	9625	21.2	21.9	0.7	14	20	57	5.94
21.9	69.2	Gabbro (1g)	21.9 - 24.0 dark green, fine grained mafic rock comprising chilled margin of underlying gabbro, hematized locally, few specularite-bearing calcite veins, few bleached felsic xenoliths	9626	30.5	48.0	17.5	38	13	70	1.16
			24.0 - 67.5 dark green, medium grained gabbro, moderately chloritized	9627	48.0	66.0	18.0	88	14	103	0.77
			33.0 - 39.0 several chlorite-rich gouge zones 44.5 - 50.5 several chlorite-rich gouge zones 51.0 - 61.0 sheared, fractured, numerous chlorite-rich gouge zones								

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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										
		Gabbro (cont.)	61.0 - 64.0 highly sheared, gouged, slickensides (typically at low angles to core) in several places 67.5 - 69.3 fine grained mafic rock comprising chilled margin to gabbro								
69.2	71.6	Rhyolite (3f)	grey to brown, layering (2 mm wide) in places	9628	69.2	71.6	2.4	18	7	17	7.16
71.6	88.2	Gabbro (6)	medium green, medium grained, magnetic, slightly hematized locally, slightly chloritized, 2% calcite veins 82.6 4 cm wide breccia zone, matrix is calcite-filled, disseminated magnetite in breccia matrix also 87.2 - 87.4 epidotized	9629	71.6	88.2	16.6	44	17	67	5.08
88.2	90.5	Mafic Dyke (6)	medium green, fine grained, slightly epidotized, dyke may be later intrusion of same magma which formed the main gabbro body	9630	88.2	90.5	2.3	36	14	95	4.23
90.5	94.49	Gabbro (6)	medium green, medium grained, slightly hematized, few calcite veins	9631	90.5	94.49	4.49	161	18	149	4.64
94.49			E.O.H.								