

ABITIBI-PRICE INC. MINERAL RESOURCES DIVISION

DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each hole.

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HOLE NO. B.J. 65 PAGE 1

COMPANY Longyear Canada Inc.		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH Mag. South	TOTAL FOOTAGE 181.8 m	Depth 181.8 m	Dip -47°	Azimuth (True)	Comments	MAP REFERENCE NO.	CLAIM NO.
DATE STARTED March 18/1981	DATE COMPLETED March 20/1981	DATE LOGGED Mar 18-24/81	LOGGED BY D. Barbour						LOCATION (Twp., Lot, Con. OR Lat. and Long.) E 6400 N 2299	
OPERATION CO., OWNER OR OPTIONEE		CORE SIZE BQ	DISPOSITION OF CASING 4m...Left in Hole						PROPERTY NAME Mary March Area	

FOOTAGE FROM TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	Sample Footage		Sample Length	Assays				
			From	To		Cu	Pb	Zn	Au	Ag
0 - 4.3	Overburden									
4.3 - 41.6	Altered Felsic-Intermediate Pyroclastic	-Pale gray to dark gray altered pyroclastic rock (ash to lapilli tuff)...Clay mineral alteration dominant, some silicification and pyritization... -approx. 5% very finely disseminated py. (up to 7%) -possible bedding direction 50° to core -rock fairly well masked by alteration 10.1 - 16.8 ...lot of thin sericitic pug seams and fine fault breccia...some sort of fault movement... 12.5 - 13.4 has lot of fault breccia ... some chromium green mica in pug at 16.5 16.8 - 29 ... ash tuff of felsic origin ? same alteration ... approx 5% disseminated py.... frequent thin quartz calcite vienlets...still scattered to frequent very thin pug seams. 18.9 - 29... contains traces pale brown to yellowish sphalerite, chalcopyrite and galena... concentrated in the quartz-calcite vienlets. -at 22.3 is some waxy green and chromium green alteration in lapilli tuff... - 22.3 bedding angle approx. 45° -at 28.7 possible bedding angles 20° 29 - 31.4....Rock still similiar to above but looks auto brecciated with small medium gray fragments (as above rock) suspended in pale gray matrix of similiar composition....matrix supported texture -still traces base metal sulfides with yellowish								

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HOLE NO. BJ 65 PAGE NO. 2

COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL FOOTAGE	Depth (feet)	Dip	Azimuth (True)	Comments	MAP REFERENCE NO.	CLAIM NO.
DATE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY						LOCATION (Tp., Lot, Con. OR Lat. and Long.)	
NATION CO., OWNER OR OPTIONEE		CORE SIZE	DISPOSITION OF CASING						PROPERTY NAME	

FOOTAGE FROM TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	Sample Footage		Sample Length	Assays				
			From	To		Cu	Pb	Zn	Au	Ag
		-scattered thin pug seams								
		-31.2 - 31.4 ... contains fair amount of sphalerite								
		-contact 31.4 vague.								
		31.4 - 41.6...medium gray altered (ash tuff?) similiar to 16.8 - 29 ... still scattered thin pug seams and traces sphal.-gal.-cupy.... approx 5% disseminated py. ...contact 41.6 vague.								
		-37.4 - 37.8...Fault breccia and pug								
		-38.1 - 38.4 ... concentration of base metal sulfides and pyrite to (1% base metals ?)								
		-36.1... 8 cm altered amygdaler basaltic fragment								
		-possibly minor barite at 39.3								
1.6	42.7	Altered Andesite ? -gray altered rock not too different from above with abundant, Chromium green spots, often flattened, that may be amygdales... still with frequent very thin pug seams and approx. 5% pyrite.								
1.7	47	Fault Zone								
		-Badly fractured with frequent thin pug seams... 43 - 43.3, 44.2 - 44.8, and 46.1 - 47 are zones of 80 - 90 % pug and fine fault breccia... rock seems to be largely of felsic origin.								
	47.7	Altered Felsic Tuff								
		Gray altered Felsic tuff with small quartz grains... approx. 5% disseminated pyrite... contact 47.7 is vague.								

ABITIBI-PRICE INC. MINERAL RESOURCES DIVISION

117

DIAMOND DRILLING LOG

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HOLE NO. **BJ 65** PAGE **3**
CLAIM NO.

DRILLING COMPANY		COLLAR ELEVATION		BEARING OF HOLE FROM TRUE NORTH		TOTAL FOOTAGE		Depth (feet)		Dip		Azimuth (True)		Comments		MAP REFERENCE NO.		LOCATION (Twp., Lot, Con. OR Lat. and Long.)	
HOLE STARTED		DATE COMPLETED		DATE LOGGED		LOGGED BY													
OPERATION CO., OWNER OR OPTIONEE				CORE SIZE		DISPOSITION OF CASING													
PROPERTY NAME																			

FOOTAGE FROM TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	Sample Footage		Sample Length	Assays				
			From	To		Cu	Pb	Zn	Au	Ag
47.7	50	Altered Mafic Rock								
		-Medium gray colored altered mafic flow ? alteration dominantly clay minerals with lesser silicification ... 5 - 7% disseminated pyrite...								
		-abundant relict amygdales now filled with waxy pale green mineral.								
		-48.8 - 49.3 ...dominantly fault breccia and pug								
		-traces sphalerite								
		-contact at 50 is fault pug								
50	86.7	Altered Felsic Intermediate Pyroclastic								
		-Gray altered as before... Dominantly clay mineral alteration... some silicification... approx 5 - 7% pyrite... lapilli tuff in part.								
		-Traces base metal sulfides.								
		-Frequent thin pug seams throughout								
		-50 - 50.3 & 53.6 - 57.6 ... dominantly fault breccia and pug								
		-50.3 - 53.4 ... Lot of Quartz vining and silicification with minor barite and increase in base metal sulfides								
		-below 62.8 only scattered thin pug seams								
		-62.1 - 75.9... pale gray silicified structureless... some volcanic quartz... scattered milky quartz vienlets with some concentration of base metal sulfides and barite.								
		-69.7 - 71.4 ... again frequent fault breccia and pug seams								
		-72.1 - 72.3... fair amount of base metal sulfides, especially yellowish sphalerite. in quartz vienlet								
		- 72.9-75.9... Frequent fault breccia and pug seams, ...								
		74.4-75.... Fault pug								
		- Possible bedding angle of 50° at 78.4								

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HOLE NO. B.J. 65
PAGE NO. 4

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL FOOTAGE	Depth (feet)	Dip	Azimuth* (True)	Comments	MAP REFERENCE NO.	LOCATION (Tp., Lot, Con. OR Lat. and Long.)	PROPERTY NAME
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY								
EXPLORATION CO., OWNER OR OPTIONEE		CORE SIZE	DISPOSITION OF CASING								

STAGE FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	Sample Footage		Sample Length	Assays				
				From	To		Cu	Pb	Zn	Au	Ag
			79.2-83.7 ... Lot of deep yellow to pale brownish clay mineral alteration... Total 7% pyrite content but largely concentrated in thin stringers... Minor chromium green mica... Fairly sharp contacts on this zone... Could possible correlate with mineralized outcrop. - 83.7-86.7... Lot of thin pug seams... Still traces barite and base metal sulfides. - Contact 86.7 Fairly sharp at approx 30°								
86.7	89	Altered Mafic Flow?	Medium gray colored altered mafic rock with abundant relict amygdaloids.... rock masked by clay mineral alteration and some silicification. - Approx 10% disseminated pyrite - Contact 89 Fairly sharp at 50°								
89	97.9	Altered Mafic Intermediate Pyroclastic	- As before with dominantly clay mineral alteration... Partly lapilli tuff... Pale to medium gray colored... Scattered thin pug seams... Barely traces base metal sulfides. - 89-93.3 Has only approx 1% pyrite. 93.3-97.9... Approx 5% pyrite. - 94.4-96.8 ... Dominantly fault breccia and pug - contact 97.9 very vague								
97.9	104.8	Altered Mafic Flow?	- Medium to dark gray colored altered mafic rock with some relict amygdaloids... Rock fairly well masked by clay mineral alteration... 5-10% disseminated pyrite. - Traces base metal sulfides, somewhat concentrated in minor thin quartz veins.								

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HOLE NO. B.J.65
PAGE 5
CLAIM NO.

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL FOOTAGE	Depth (feet)	Dip	Azimuth (True)	Comments	MAP REFERENCE NO.	LOCATION (Tp., Lot, Con. OR Lat. and Long.)
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY							
EXPLORATION CO., OWNER OR OPTIONEE		CORE SIZE	DISPOSITION OF CASING							
										PROPERTY NAME

STAGE FROM TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	Sample Footage		Sample Length	Assays				
			From	To		Cu	Pb	Zn	Au	Ag
		- Contact 104.8 is Fault pug with 3 cm thick quartz vienlet								
104.8	111.8	Altered Felsic Intermediate Pyroclastic								
		- As before with dominant clay mineral alteration... Pale to medium gray colored... Partly lapilli tuff... 5-7% disseminated pyrite... scattered very thin pug seams ... Fair amount silicification...								
		- 109.4-111.8 Largely fine fault breccia and pug with 110.3-111 All fault gouge... Traces chromium green mica and deep yellowish clay mineral.								
		- Contact 111.8 vague and confused by the faulting.								
111.8	120.7	Altered Mafic Flow ?								
		- Medium to dark gray colored with dominant clay mineral alteration... Possible relict amygdales... 5-10% pyrite - 111.8-114.7... Lot of thin fault breccia and pug seams and minor chromium green mica.								
		- Below 114.7 Only approx 5% pyrite and scattered very thin pug seams								
		- Contact 120.7 is vague								
120.7	134.5	Altered Felsic Intermediate Pyroclastic								
		- Pale gray colored with dominant clay mineral alteration and some silicification... approx 5% pyrite and traces base metal sulfides ... some lapilli tuff texture... scattered thin quartz vienlets with concentration of sulfides.								
		-Minor yellowish-Brown clay mineral								
		- This unit fairly siliceous ... Only minor thin gouge seams								
		- 131.4-133.9... Lot of molky quartz vienlets								

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HOLE NO. **BJ.65** PAGE **6**
CLAIM NO.

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL FOOTAGE	Depth (feet)	Dip	Azimuth (True)	Comments	MAP REFERENCE NO.	LOCATION (Tp., Lot, Con. OR Lat. and Long.)
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY							
EXPLORATION CO., OWNER OR OPTIONEE		CORE SIZE	DISPOSITION OF CASING							
										PROPERTY NAME

STAGE FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	Sample Footage		Sample Length	Assays				
				From	To		Cu	Pb	Zn	Au	Ag
134.5	181.8	Altered Mafic Rock	134.5-147.9 ... Looks Pyroclastic.... Well masked by clay mineral alteration... Some possible amygdales... Lot of brownish gray clay mineral ... approx 5% pyrite... some silicification... scattered very thin pug seams. - Traces barite and base metal sulfides This rock rather intermediate in composition to 147.9 - 140.9-143.9.... Possibly Felsic... Fairly silicified with traces base metal sulfides ... Scattered very thin fault-gouge seams - Below 148.8 Have traces chalcopyrite in rounded pyrite concentrations that may be amygdales. - Below 147.9 Rock a little more mafic looking... still possibly pyroclastic. - Below 162.9 chlorite replaces clay mineral alteration Rock green colored... approx 7% pyrite... frequent pale gray(fragments?) ... Minor waxy green mineral. - Below 165 increase in chalcopyrite, somewhat concentrated in pale fragments and in pyrite amygdales... also traces sphalerite and galena... This rock has strongest concentration by far base metals in this drillhole... - 171.7-176.6... More sphalerite-galena than in rest of this unit - At 173.8 is 6 cm thick quartz vein with some graphite. - Minor chalcopyrite and traces sphalerite								