



Drawn by P.H. Sevensma.  
August 1978.

IONA SILVER MINES LTD  
KETA RIVER '71



1978 Core-hole  
drilling.  
July 8 - August 2, 1978

C	F	K
B	G	J
A	H	I

# Diamond Drill Geological Log

P.H. SEVENS; CONSULTANTS LTD.  
715 - 850 West Hastings St., Vancouver 1, B.C.

COMPANY

2046

Iona Silver Mines Ltd  
#1015 - 837 West Hastings St.  
Vancouver, B.C.

Objective: Possible K-18-C Vein, EM + Geochem

Drilling Started: July 31, 1978 D Drilling Completed: Aug. 1, Night

Logged by: P.H. Sevensma Date: Aug. 1, 1978

Samples Submitted to: No Assays (Lab.)-Date:

Lat.:	Long.:	Place: Ralph L 400 N +250 E	App.Bear.: S 80° E	App.Dip.: - 50	Length: 210'
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From	To	Length	Recov.	Remarks:
0	10'	10'	0	Overburden, Casing to 50'
10'	26'	16'	1.5'	Laminated beige argillite - a marker bed. Lamin. at + 80° to core.
26'	28'	2'	4"	Some chips of beige A. 2" grey somewhat lamin. A, at 60°.
28'	30'	2'	2"	A handful of chips of A & quartz.
30'	32'	2'	2'	Dark & light grey highly lam. A, at 60°.
32'	34'	2'	16"	Some light grey sandy possible "porphyry" with abundant quartz and red oxidized siderite, all quite weathered.
34'	67'	33'	22'	Light grey A, finely lamin, some quartz veining 1/8" - 1/4" some ankerite veining lamin. mostly 55° - 65°, but in places (51') contorted to 0°.
67'	69.5'	2.5'	2.5'	Grey sandy "porphyry", 50% quartz veins up to 4" wide and criss, cross. Possible dyke or marker bed = K rock. 69.5: 4" qtz. & ankerite and some diss.galena.
69.5'	74.5'	5'	4.5'	Grey lamin. A, about 25% wh. quartz veining. Lamin at 60°, but also a drag fold $\pm$ 9", axial plane // core, axis dips at 55° to core
74.5'	76'	1.5'	1.0'	K. rock, here lamin. at 45° at both ends. Looks sedimentary, but could be dyke
76'	94'	18'	14.5'	Light grey well lamin. A, at 60° $\pm$ 5°. Upon drying, core tends to split into elongated thin disks along bedding.
94'	97'	3'	3'	Darker grey more massive appearing A, finely lamin. at 60°.
97'	98.5'	1.5'	1.5'	Slumped bedding in lenses $\pm$ 1" - 2" by 1/4" thick, at 60°. Could be marker bed = L. Bed.
98.5'	102.5'	2'	2'	Dark grey massive appearing but finely lamin. A, at 60°.
102.5'	107.5'	5'	5'	Much broken core, 50% K rock, 50% wh. quartz in strong veins. U.B.C. Specimen at 104.5 (K rock)
107.5'	111'	3.5'	2.5'	Busted up A and wh. quartz. Looks like the material ground up elsewhere in other drill-sections, poor core here

Property: Camp No.2 claim  
Hole No.: 78-8  
Core Size: BQ (1 3/8") Page 1/2

# Diamond Drill Geological Log

P.H. SEVENS. CONSULTANTS LTD.  
715 - 850 West Hastings St., Vancouver 1, B.C.

COMPANY \_\_\_\_\_

Objective: \_\_\_\_\_ Drilling Started: \_\_\_\_\_ Drilling Completed: \_\_\_\_\_

Logged by: \_\_\_\_\_ Date: \_\_\_\_\_ Samples Submitted to: \_\_\_\_\_ (Lab.)-Date: \_\_\_\_\_

Lat.: \_\_\_\_\_ Long.: \_\_\_\_\_ Place: \_\_\_\_\_ App.Bear.: \_\_\_\_\_ App.Dip.: \_\_\_\_\_ Length: \_\_\_\_\_

From	To	Length	Recov.	Remarks:
111'	137'	26'	16'	Quite good core, but some sections poor recovery. Dark Lamin. A. with many fine light bands. Lamin. from 40° down to 10° (120'-122') and back up to + 60° (124') and down to 40° again (134'). Most loss: 132'-137': 6" A at 50°.
137'	142'	5'	4"	A dozen buttons only of siderite containing some A fragments and white quartz, but no sulphides at all. Poor recovery started at about 132' with wh. quartz and some pyrite and only 2' of core from 130'-132' and most loss 132'-135' - quartz zone + minor Py. 135' - 137' Only about 6" of A recovered at 50° (see above) 132' - 142' is a possible vein-fault, as identified by the siderite.
142'	175'	33'	33'	Excellent core and recovery in medium grey arg. Often excellent thin-bedding and laminations as well as cleavage: <del>III</del> cleavage 147'-148' Bedding 45°, cleavage, 15° - 20 dipping same direction and same "strike" in core as bedding. Very clear throughout this whole section with bedding mostly about 40° and cleavage as above.
175'	189.5'	14.5'	10'	Mostly good core but several sections ground with chips or no core, starting with a quartz section 173.5' - 174'; 175'-178' 6" core; 178-180: 1' of core 184'- 188': 1' of core; bedding mostly 35° All lam. to th. bedding A
89.5'	210'	21.5'	20'	Good recovery in same type A. Bedding: 20° - 25°. Lest 10' or so, fine 1/32" - 1/16" very light A bands spaced 1/2" - 1" are prominent: They are limey and fizz moderately. 1/4" - 1/2" siderite veins: 191', 201', 202.5',
210				End of hole. Dip test at Possible vein-fault with siderite: 132' - 142'

Property: \_\_\_\_\_  
Hole No.: 78-8  
Core Size: BQ  
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# Diamond D '11 Geological Log

P.H. SEVENSMA CONSULTANTS LTD.  
715 - 850 West Hastings St., Vancouver 1, B.C.

COMPANY

Iona Silver Mines Ltd  
#1015 837 West Hastings St.  
Vancouver, B.C. V6C 1C4

Objective: \_\_\_\_\_ Drilling Started: July 31, Night Drilling Completed: Aug. 1st, N.

Logged by: P.H. Sevensma Date: Aug. 3, 1978 Samples Submitted to: Whitehorse Assay office (Lab.)-Date:

Lat.: \_\_\_\_\_ Long.: \_\_\_\_\_ Place: Ralph line 400 N + 250 E. App.Bear.: Due West App.Dip.: - 49° Length: 201'

From	To	Length	Recov.	Remarks:
0	6'	6'	6"	Casing drilling, Overburden Casing to 46'.
6'	10'	4'	16"	Starts in a chip of Q - overburden. Rest is beige mudstone.
10'	23'	13'	10'	Beige mudstone, well lamin. at 30°. Very limey, high fizz
23'	29'	6'	3,3'	23'-25': only chips of mudstone, 4" of core. 25-29" 3' of core. 28-29 chips of mudstone high fizz. Limey lamin. grey A, at 30°, High fizz. Lamin. for light to dark A.
29'	30'	1'	1'	Wh. quartz vein, both walls at 45° (29') and at 30° (30'). In it some fragments of K-rock.
30'	42'	12'	8.5'	Limey grey A, high fizz mostly. Bedding decreasing from 55° at start to 30° at end
42'	64'	22'	10"	8" core 42-43': 3", 46.5' - 48'; 4", 57.5' - 58'. 6", 62'-64'. Rest all sands, with slud sampled from 43' - 45.5', 45.5' - 46.5', 48' - 57.5'
				Core chunks - 1" - 3" long from 57.5 - 58.5 = ankerite with some slate fragments
				This zone could be a vein fault.
64'	69'	5'	5'	Suddenly good drilling, Many 1/32" white bands in lamin. non-limey A. Some bands siliceous most soft. Often quite contorted. Most lamin. at 65°
				3" wh. qt. broken at 69'.
69'	96'	4'	4'	Quite dark lamin. A. Gaugy, brecciated, with qtz- ankerite. 88' - 90'. Core short 2' for 76' - 80'. Lamin. mostly 60°.
92'	96'	4'	4'	Lensy slump structure, core quite broken. Market bed?
96'	115'	19'	14'	Fair to good core, but some sections short, 108.5' - 111, 16" core, 111' - 115', 18" co
				6" ankerite + quartz. 99' - 100'. Lamin. dark A, at 50° - 75°, generally angle decreasing with increasing depth.
115'	133'	18'	15'	High limey very light coloured, lensy-slumped
				A. maybe marker bed. Lam. generally 40°-60° Parts faintly

Property: Camp No.2 claim.

Hole No.: 78-10

Core Size: B0 1 3/8" Page 1/2

# Diamond Drill Geological Log

P.H. SEVENS. CONSULTANTS LTD.  
715 - 850 West Hastings St., Vancouver 1, B.C.

COMPANY \_\_\_\_\_

Objective: \_\_\_\_\_ Drilling Started: \_\_\_\_\_ Drilling Completed: \_\_\_\_\_

Logged by: \_\_\_\_\_ Date: \_\_\_\_\_ Samples Submitted to: \_\_\_\_\_ (Lab.)-Date: \_\_\_\_\_

Lat.: \_\_\_\_\_ Long.: \_\_\_\_\_ Place: \_\_\_\_\_ App.Bear.: \_\_\_\_\_ App.Dip.: \_\_\_\_\_ Length: \_\_\_\_\_

From	To	Length	Recov.	Remarks:
133'	135.5'	2.5	0	Took sludges. No core.
135.5'	143.5	8'	2'	Broken core, poor recovery - Fairly massive A, cleavage $\pm$ parallel core.
143.5'	146.5	3'	4'	Markers probably wrong. Drilling along a wh.quartz vein parallel to core, A non-limey
146.5'	150'	3.5'	8'	Dark A, non limey, bedding & cleavage parallel to core.
150'	154'	4'	2"	Some chips of wh. qtz + dark A. Took sludges
154'	188'	34'	34'	Soft highly limey lensy slump-structured, light grey A, bedding variable, in places contorted, Quite comparable to 115' - 133'. Marker bed?
				Bedding mostly $30^{\circ}$ - $50^{\circ}$ , but 163' - 170' is about parallel to core.
				Qtz. veining: Irreg. 155' - 161'; 5" wh. qtz. vein at 173'. 115'-133' is less slumped
188'	190'	2'	2'	More massive, darker, non limey A. Core quite broken
190'	192'	2'	2'	Some more limey slightly slumped grey A Bedding $65^{\circ}$ .
192'	194'	2'	2'	Siliceous dark non-limey A, gaugy, somewhat brecciated and qtz. cemented.
194'	194.5'	6"	6"	Good K. bed, with narrow irregular qtz. veins.
194.5'	201'	6.5'	6'	Dark faintly lamin. non-limey A. Lam. at $30^{\circ}$ to core.
201'				End of hole
				Note: Upon washing the face of 700 level crosscut, the K rock with abundant white quartz forms a big light-coloured patch in this face.
				Here it looks like a dyke rock
	48'	58'		Could be vein fault, 1080 ppm Pb.
	133'	135.5'		Could be vein fault, 400 ppm Pb.

Property: \_\_\_\_\_  
Hole No.: 78-10  
Core Size: BQ  
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