

DIAMOND DRILL RECORD,

HOLE NO. 77 MM 02

PROPERTY MMLOGGED BY: J.K. MortensenSHEET NUMBER 1 of 10

SECTION FROM _____ TO _____

STARTED July 24, 1977

LATITUDE _____

DATUM _____

COMPLETED August 2, 1977

DEPARTURE _____

BEARING _____

ULTIMATE DEPTH 1268'

ELEVATION _____

DIP -90°

PROPOSED DEPTH _____

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS				SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS			
					AG.	CU.	PB.	ZN.			AG.	CU.	PB.	ZN.
0.0	3.0	Overburden.												
3.0	25.0	Light to dark-grey fine-grained siliceous marble.												
		Abundant quartz-calcite veining throughout.												
25.0	71.5	Interbanded medium to dark-grey fine-grained siliceous dolomite and fine-grained highly calcareous quartzite. Bands to 3' thick, average 2'. Dolomite makes up 60% of unit. Reddish mineral (rhodonite?) in quartzite at 35.0' and 46.0'.												
71.5	74.5	Medium-grey dolomite as above with talc + calcite + chlorite-filled shear zones to 2 cm. thickness. Highly deformed.												
74.5	100.0	Fine-grained medium to dark-grey slightly siliceous dolomite. Sphalerite as fracture filling at 81.5'.												
100.0	109.0	Fine-grained locally slightly calcareous quartzite with narrow diffuse bands of slightly graphitic quartzite. Talc + chlorite-filled shear parallel												

- Continued -

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PROPERTY _____ MM _____

LOGGED BY: J.K. Mörtensen

SHEET NUMBER 5 of 10

SECTION FROM _____ TO _____

STARTED July 24, 1977

LATITUDE _____

DATUM _____

COMPLETED August 2, 1977

DEPARTURE _____

BEARING _____

ULTIMATE DEPTH 1268'

ELEVATION _____

DIP -90°

PROPOSED DEPTH _____

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS				SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS			
					AG.	CU.	PB.	ZN.			AG.	CU.	PB.	ZN.
417.5	460.0	As above but with more quartzite + chlorite, less biotite + garnet. Traces of banded sphalerite at 438.0'. Approximately 15% banded pyrrhotite at 442.0' - 446.0'.												
460.0	482.0	Fine-grained highly pyritic quartzite-chlorite-muscovite schist.												
482.0	496.0	Fine-grained highly pyritic felsic quartz-rich schist with band of above material at 486.0' - 488.0'												
496.0	503.0	Fine-grained quartzite-chlorite-biotite-muscovite schist.												
503.0	533.0	Fine-grained, locally massive, locally vaguely composition - banded andesite. Non-calcareous, locally with trace amounts of garnet porphyroblasts to 1 mm. diameter. Minor pyrite associated with quartz-veining.												
533.0	606.5	Fine-grained quartzite-biotite-chlorite schist												

- Continued -

DIAMOND DRILL RECORD,

HOLE NO. 77 MM 02

PROPERTY MM

LOGGED BY: J.K. Mortensen

SHEET NUMBER 6 of 10

SECTION FROM _____ TO _____

STARTED July 24, 1977

LATITUDE _____

DATUM _____

COMPLETED August 2, 1977

DEPARTURE _____

BEARING _____

ULTIMATE DEPTH 1268'

ELEVATION _____

DIP -90°

PROPOSED DEPTH _____

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS				SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS			
					AG.	CU.	PB.	ZN.			AG.	CU.	PB.	ZN.
533.0	606.5	- Continued - (locally massive - rhyolite?). Abundant irregular chlorite + quartzite + calcite clots to 1 cm. diameter. Minor pyrite associated with quartz-calcite veining.												
606.5	625.0	Fine-grained locally massive chloritized pale green volcanic. Locally vaguely banded, slightly calcareous throughout.												
625.0	626.5	As above, but sheared and brecciated; local gouge development.												
626.5	628.0	As in interval 606.5' - 625.0'.												
628.0	630.5	Interbanded-volcanic as above and fine-grained pyritic and pyrrhotitic quartzite.												
630.5	647.5	Very well-banded quartzite-biotite-chlorite-muscovite schist with minor disseminated pyrrhotite. Chlorite-rich bands rimmed by felsic quartz-rich												

- Continued -

DIAMOND DRILL RECORD,

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PROPERTY MM

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SHEET NUMBER 8 of 10

SECTION FROM _____ TO _____

STARTED July 24, 1977

LATITUDE _____

DATUM _____

COMPLETED August 2, 1977

DEPARTURE _____

BEARING _____

ULTIMATE DEPTH 1268'

ELEVATION _____

DIP -90°

PROPOSED DEPTH _____

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS				SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS			
					AG.	CU.	PB.	ZN.			AG.	CU.	PB.	ZN.
853.0	857.5	Fine-grained highly quartz-rich schist with abundant narrow discontinuous bands of chlorite + pyrrhotite + garnet.												
857.5	876.5	Fine-grained quartzite-muscovite-biotite schist with abundant (approx. 10% by volume) garnet porphyroblasts to 1 mm. diameter.												
876.5	899.5	Very fine-grained rhyolite with abundant irregular clots of quartzite + chlorite + calcite, locally rimmed by pyrrhotite.												
899.5	920.0	As above but with fragments of slightly more felsic rhyolite. Fragments are irregular, to 5 cm. diameter, boundaries poorly defined.												
920.0	942.0	Fine-grained muscovite-biotite-quartzite schist with clots (fragments?) of quartz and biotite + quartzite + cordierite. Clots are irregular, to 1 cm. diameter, make up approx. 15% of rock by volume.												

volume.

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SHEET NUMBER 9 of 10

SECTION FROM _____ TO _____

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DEPARTURE _____

BEARING _____

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DIP -90°

PROPOSED DEPTH _____

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS				SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS			
					AG.	CU.	PB.	ZN.			AG.	CU.	PB.	ZN.
942.0	1005.5	Fine-grained quartzite-biotite-muscovite schist with abundant clots (fragments?) of quartz or chlorite-quartzite-calcite-pyrrhotite. Becomes distinctly fragmental near bottom of interval. Chlorite-rich fragments are locally rimmed with biotite.												
1005.5	1010.5	Fine-grained slightly chloritic quartzite with abundant (approximately 50% of the rock) irregular clots of chlorite-quartzite.												
1010.0	1148.0	As in interval 942.0' - 1005.5'. Fragments are locally distinct, range up to 20 cm. diameter, average 1 cm. Occasional large fragments (or interbands?) of preceding material.												
1148.0	1268.0	Interbanded quartzite-biotite-muscovite-chlorite schist and very fine-grained quartzite with abundant chlorite + quartzite + calcite +												

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