

Diamond Drill Record

Hole No.

MCN 95-03

Company: FLAG RESOURCES (1985) LTD. (Charron Option)
 Date Hole Started: MAR. 6 / 95
 Date Completed: MARCH 9 / 95
 Map Reference No. Claim Map: G-2909
 Location: McNish Twp. ~90m W. of 115m N. of Post #2-1118237

Driller's Company: Frank Lines Ltd., Lively, Ontario
 Logging by: Frank H. Toews, B.Sc.
 Total Footage: 776.5'
 Dip of Hole: -90° Core size: BA

CLAIM NO. 1118237
 CORE STORED AT FRANK TOWES HOUSE.

Feet	DESCRIPTION
	Spotted on instructions from M.C.M.
	3 broken crowns in bottom of hole - hole abandoned; casing left in hole
	~2800' of water line from Sturgeon River
	Acid Dip Test @ 525' (-88°)



010

0	10	CASING - cobbles with sandy matrix
10	72.4	DIABASE DYKE +/- SUBBURY-TYPE BRECCIA Non-magnetic (except for Pyrrhotite); dark greys-greenish greys; fine to medium grained (<1-2mm); moderately soft to soft to moderately hard; chloritic + epidote alteration; scattered ^{30-300mic} biotitic shears, locally intense and anastomosing (some associated with Subbury Breccia veining); 5-10% felsic clots and small patches up to 4cm in size (most ≤ 1cm) consisting of greyschist to pale greenish feldspars (probable segregations, some with chloritized mafic minerals, occasionally with sulfides) in rounded to irregular clots with hazy to sharper margins, from about 27'-58.3'; also ^{similar} felsic veinlets + epidote + sulfides occur scattered throughout, being 0.1-0.5cm wide, @ ~45-70° to C.A., uniform to irregular in form (2% veinlets); diabase contains traces to very locally 2-3% disseminated

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Feet FROM	TO	DESCRIPTION
		Pyrrhotite ± Pyrite and minor Chalcopyrite, which also occur in some of the felsic clots and veinlets, ≤ 1% sulfides overall.
		Chloritic fractures/slips (± carbonate ±-saley Pyrite) present throughout @ 45-50°, 60-70°, 25-30°, 10-15° to C.A.; < 1/3 to 2-5'/foot (locally, near 19', 56', 62-67')
		~ 1% quartz ± carbonate veinlets, 0.1-0.5 cm wide, @ 60-70°, 45-50° to C.A., a few with disseminated sulfides
		Sudbury Breccia veining begins at ~ 58.5', < 15% Breccia; (0.1-20 cm wide) with apophyses, dark greys, biotitic-chloritic, very fine grained with rounded to elongate/ovoid wall rock inclusions (0.1 to several cm in size), some flowage visible; matrix soft; from about 62-66', meta-volcanic-metasedimentary blocks are present with breccia veining; a breccia vein, occurs at the contact of the diabase near 72' (and is also present down-hole as well); minor sulfides present in a few clasts
~ 10.1		Two Pyrrhotite-rich veinlets, < 2 mm wide @ 75° to C.A.
11.2	11.8	Three quartz-carbonate veinlets, 2-5 mm wide @ 60-65°, 75° to C.A., with ~ 10% Pyrrhotite, Pyrite ± Chalcopyrite
41.7		Felsic veinlet, 5 mm (±) wide @ ~ 40° to C.A. with ~ 25% Pyrrhotite ± Chalcopyrite
49.6		Felsic veinlet, 5 mm wide @ 60° to C.A. with some disseminated Pyrite

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Feet		DESCRIPTION
FROM	TO	
58		Felsic veinlet < 5 mm wide @ 65° to C.A. with 5% disseminated Pyrrhotite + Chalcopyrite
64.4		Irregular veinlet, 2 mm wide with Pyrrhotite ± Chalcopyrite and Pyrite @ ~45° to C.A.
65		Quartz vein with irregular contact @ ~60° to C.A.; vein is ~4 cm wide with chloritic fractures and minor Pyrite, in broken core
65.2		Irregular, discontinuous Pyritic veinlet, 2 mm wide
72	72.4	Sudbury Breccia vein with contacts @ ~60° and 35° to C.A.
72.4	343.4	INTERMEDIATE-MAFIC METAVOLCANICS (MAY INCLUDE METASEDIMENTS) - SCHISTOSE Rocks are fine grained, dark to medium greys to greenish greys, moderately soft to moderately hard with locally soft and locally very hard (silicified) parts; weakly to moderately strongly schistose @ 10-35° to C.A.; biotitic ± chloritic; often scattered to locally more intense pale, slightly bluish grey to greenish grey, mainly soft, alteration veinlets and bands (epidote-sericite?) with hazy, wispy to distinct margins, < 0.2-10 cm wide @ 0-70° to C.A., some cored or cut by quartz ± or carbonate veinlets; ~2-3% scattered quartz ± carbonate veinlets @ 15-70° to C.A., some with minor blebs or disseminated sulfides (Pyrite ± Pyrrhotite ± Chalcopyrite) in, or nearby, veinlets; most 1-5 mm wide, but larger veins occur; rocks are non-magnetic (except for Pyrrhotite)

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Feet		DESCRIPTION
FROM	TO	
	ctd.	Also present are chloritic fractures/slips +/- carbonate +/- scaly Pyrite @ D-15°, 25-35°, 45-60°, 70-75° to C.A.; <1/foot to 2-6/foot Sudbury Breccia veining occurs down to about 78.5'; ~5% veins <1-12cm wide, irregular to uniform.
~80	83	Schistosity and some bedding (?) @ ~50-55° decreasing to about 30° to C.A.
82.5	86	Broken core due to slips and fractures @ 15-60° to C.A.
93.5	96	Several irregular, ^{rough} to patchy quartz +/- chlorite veins ≤ 2cm wide; 10% veining + trace Pyrite, minor Pyrrhotite; rocks chloritic, variable schistosity @ 0-30° to C.A.
104	115	Fractures/slips @ 5-75° to C.A., parts with mechanically broken core; 3-6/foot
~114.5	126.3	Pale greenish to bluish gray alteration veinlets and bands locally more intense, patchy silicification. Also present below 121.5' 122-126.3' - 5% quartz +/- carbonate - feldspar-epidote + chlorite veinlets & alteration 0.5-1cm(±) wide, irregular in part, @ 30° and 15-0° to C.A. with disseminated, blebs and some fracture fillings/veinlets of Pyrite, Pyrrhotite & minor Chalcopryite; about 2-3% sulfides in zone
143	143.3	Faded 2-3 mm wide quartz veinlet

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Feet		DESCRIPTION
FROM	TO	
152	155	5% irregular to ragged, 0.1-1cm wide, quartz + chlorite veinlets @ 10-25° to C.A. with 1% disseminated and blebs of Pyrrhotite in/near veinlets
192		5% disseminated Pyrite in 1cm wide quartz veinlet @ 20° to C.A.
205.1	205.7	20% ragged quartz veining @ 0-10° to C.A. in biotite schist; folding
226.5	228.5	10% ragged to irregular quartz veining with < 1% disseminated Pyrite
		@ 15-25° to C.A. more or less parallel to schistosity
~237	~262	5-10% thin beds and laminations @ mainly 15-20° to C.A. (biotite-rich, schistose) some beds parallelled by a few quartz (4 minor Pyrite, Pyrrhotite) veinlets ± 5mm wide; bed also cut and offset by several veins (4 minor Pyrrhotite, Pyrite), 0.2-2cm wide @ 30-35° to C.A. between ~242-243', and which also cross-cut a few earlier, light greenish alteration veinlets @ 20° to C.A. which cross-cut beds near 242.5'
~256	257.5	Broken core, slips @ 0-10° to C.A.; low angle quartz + chlorite + Pyrite veinlet < 1cm wide parallel to slips in upper part
262.7	291	Scattered numerous, locally intense, ^{to} quartz-staining alteration veinlets (4 cores of quartz-carbonate fractures/small veinlets, some with ^{to} disseminated Pyrite, occasional minor Chalcopyrite) 0.2-1cm wide, plus several local bands 0.3-8cm wide, oriented @ 15-25°, 30-35°, 40-55° to C.A.; ± 1/2% sulfides overall; veining most intense (10-20%) from ~242-243.6', 276.1-276.8', 291.1-291.3', 291.4-290', 290.9-293'; some pale bluish-

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Feet		DESCRIPTION
FROM	TO	
	dd.	grey alteration veinlets are also present and are sometimes cut by the light greenish grey veinlets
		278.1-278.8' - a 1.5-2 cm wide quartz vein with disseminated chlorite and minor disseminated Pyrite, @ 10-15° to C.A.
		286.4-287.2 - a 2.5 cm wide quartz vein with chlorite and a little patchy epidote, and a little disseminated Pyrite @ 20° to C.A.; vein cross-cuts some light greenish alteration veinlets (1/2 quartz-carbonate & Pyrite core) @ 15°, 30° to C.A.
294	343 1/2	Scattered, pale slightly bluish-greenish alteration veinlets & lazy bands (some spotting), 0.2-15 cm wide @ 20-75° to C.A., sometimes corded by quartz-carbonate (1/2 Pyrite) fractures or small veinlets; also the light greenish alteration veinlets are present sometimes cutting the earlier bluish-greenish veinlets; a few quartz veinlets and gashes @ 20-75° a few with Pyrite & Pyrrhotite, occasionally Chalcopyrite
		Most rocks are dark grey, bititic, schistosity @ < 5-20° to C.A. mainly; locally silicified in places
		311.6 - Fold nose (ovoid) over ~ 8 cm
		337-343 - fairly numerous, regular to irregular, anastomosing, bluish-grey alteration veinlets @ 60-75°, 20-45° to C.A. and a few barrow, small (< 3mm) quartz veinlets as well

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HOLE No. PCN 95-03

Feet		DESCRIPTION
FROM	TO	
343	367.1	CONTACT ZONE (HORNFEISED? IN PART) Metavolcanics - metasediments similar to previous unit; non-magmatic except for feldspathic; fine grained, moderately soft to soft to locally hard, dark greys, biotitic, but get patchy recrystallization (hornfelsing) & silicification occurring where felsic components coalesce in matrix & mafic components (mainly biotite +/- chlorite) float in matrix; as well, <10% irregular ragged felsic rich veinlets & patches are present & occasionally stubby grey-white feldspars have developed (eg. ~349', 352.4', 359'); some of these veinlets are set in, &/or cut irregular pale greenish grey alteration patches & bands (≤ 15 cm size); some of the felsic veinlets could be felsic differentiates of Nipissing, and some carry a little disseminated or blebby Pyrrhotite +/- Chalcopyrite +/- Pyrite (< 1% sulfides overall) Scattered chloritic slips / fractures +/- carbonate +/- scaly pyrite @ 0-16', 25-35', 55-65'
		mainly
354.9	356.6	Two biotite-rich, silicified bands, 8-12 cm wide @ ~35° to C.A.
~361.9	363.2	Weak foliation @ ~40° to C.A.
	365 +/-	Epidote alteration veinlets, 1-2 mm wide @ 35-50° to C.A. cut some low angle felsic veinlets
3655	366.1	Medium grained, medium-dark grey-greenish grey, soft, altered, Nipissing vein(?) with vague contacts @ 25°(±) and 40°(±) to C.A.; minor low angle felsic veinlets

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Feet		DESCRIPTION
FROM	TO	
366.6	367.1	<p>Brecciated; outer contacts opposed @ 70° (up-hole) and 50° to C.A.; upper 3 cm consists of a more felsic, fine grained matrix with an occasional rounded fragment; central 6 cm (4) consists of soft, very fine grained dark, biotitic, angular, often slab-like, 0.3-3.5 cm long, and fine grained, dark angular to sub-angular, soft hornfelsed (?) fragments (?) fragments up to 2 cm in size, set in 30% felsic matrix; lower 3-7 cm consists of soft, dark, fine grained (chilled) Nipissing from below 367.1' with 15% felsic veinlets, brecciating the host rocks; a few 1-2 mm wide felsic veinlets occur below contact and on our side of a chlorite-carbonate slip @ 25° to C.A. which cross-cut the breccia contact; several ≤ 1 mm wide carbonate-quartz tension fracture fillings @ 30°, 45° to C.A. occur on the opposite side of the 25° slip in the chilled Nipissing below the breccia contact (and to which they are sub-parallel)</p>
367.1	507.3	<p>NIPISSING GABBRO</p> <p>Medium-dark greys to greenish, fine grained (≤ 1 mm), soft near up-hole contact but becoming medium grained (1-4 mm) to locally coarse grained and generally hard; magmatic (weakly becoming moderately so) from ~ 368.7' due to disseminated and anhedral blebs of magnetite up to 5 mm in size, often associated with altered pyroxene</p>

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Feet		DESCRIPTION
FROM	TO	
	odd.	and sometimes biotite/giving it a brownish lustre at times) (<1 to 3% magnetite) Gabbro is diabasic to sub-ophitic, with parts having small patches or rags of coarser grained segregations (more felsic, pegmatitic), and containing 40-50% + greyish plagioclase, and 50%+ black to greenish mafic minerals (pyroxenes-amphiboles) Scattered, chloritic fractures (+/- carbonate) @ 0-15°, 25-35°, 45-50°, 65-75° to C.A., generally < 1/2-5 feet Minor sulfides visible occasionally.
367.1	376 1/2	Greenish-grey (oxidized) chloritic, fine grained becoming medium grained (> 1mm) and more greyish; soft, becoming harder and magnetic by 368.7' Chloritic fractures/slips (+/- carbonate) often @ 70-80° to C.A., 2-5/foot 267.3 - 267.9 - chloritic slip/fracture @ ~5° to C.A. cuts several, 1mm wide, Vuggy carbonate veinlets @ 35-40° to C.A.; broken core 267.9' - 2mm wide epidote-quartz-carbonate veinlet with a little disseminated Pyrite + Chalcopyrite @ ~80° to C.A. Rocks more patchy magnetic; also ^{some} coarser grained to somewhat pegmatitic patches. between ~451-457'
445 1/2	460 1/2	

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Feet		DESCRIPTION
FROM	TO	
460±	464.4	Non-magnetic.
464.4	475.7	Non-magnetic; fairly numerous quartz-carbonate (7-8%) (± epidote alteration) veinlets (1-5 mm) often @ 5-15°, 20-25° to C.A. but also @ 35°, 65-70° to C.A.; ~5% disseminated pyrite associated with quartz-carbonate veinlet @ ~25° to C.A. near 464.7'; some core broken due to fractures.
475.7	507.3	Generally magnetic, grey to greenish grey, mainly medium grained, with <10% patches and veins, 2-8 cm wide, of coarse grained, pegmatitic gabbro from about 495' down.
		475.7 - 477.7 - Chloritic fractures/slips and veinlets (± 2 mm wide) @ 50-60°, 70-80°
		25-35° to C.A., occasionally with carbonate; 5(A) / foot; rocks locally softer
		478.7 - 479.3' - several quartz-carbonate-chlorite (± epidote alteration) veinlets @ 30°, 60-70° to C.A.
		482.5 - 484' - ~10, quartz-carbonate ± chlorite ± epidote veinlets 1-2 mm wide @ 45°, 60-70°, 30° to C.A.; some epidotization of wall rocks
		507.3 - irregular contact with coarse grained, pegmatitic gabbro @ ~60° to C.A.

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Feet		DESCRIPTION
FROM	TO	
5073	559.5	<p>PEGMATITIC GABBRU + MEDIUM GRAINED GABBRU ZONES - MISSING</p> <p>~60% coarse grained to pegmatitic, with 40-80% greenish black to green chloritic amphibole-pyroxene, ^{interstitial} coarse biotite or chlorite, and 20-60% grey-white to slightly pinkish feldspar +/- quartz, Trace to locally ~3% magnetite (irregular blebs) often associated with the mafic minerals which can attain several cm. in length; rocks generally hard; very occasional Pyrite disseminations & Pyroxenite disseminations</p> <p>5073-530.5' - 10% medium to coarse grained ^{greenish grey} gabbro patches and short sections, with 1-3% magnetite; gabbro is greenish grey, hard; a few chloritic fractures @ 15-25', 45-60' to C.A. (Very occasionally with scaly Pyrite)</p> <p>530.5-544' - medium to coarser grained gabbro with occasional pegmatitic veins; <1 to 3% magnetite; contact at 530.5 @ ~70° to C.A.; patchy gradational contact @ 544'</p> <p>544-559.5' - Coarse grained to pegmatitic; Trace to 3% magnetite; ^{top pinkish} feldspar replaced by ~20%.</p> <p>556-556.6 - Felsic pegmatite, with greenish to grey feldspar replaced by ~20% light grey to slightly pinkish grey, anhedral to subhedral carbonate some as patches and veinlets; main contacts parallel @ 65-70° to C.A.; 3% fine disseminated Pyrite and Pyrite veinlets and fracture fillings (1/2 quartz-carbonate) @ sub-parallel to parallel to main contacts, as well as several which cross-cut and a few within 0.1' but external to</p>

Box 29

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Feet		DESCRIPTION
FROM	TO	
		felsic pegmatite;
		556.6 - 557.5' - ~5% carbonate +/- quartz +/- occasional Pyrite veinelets, 1-2 mm wide mainly parallel @ 60-70° to C.A., some anastomosing; ilmenite pegmatite +/- magnetite
		558.4 - 558.7' - Felsic pegmatite, similar to 556'; K 1% disseminated fine Pyrite +/- Chalcopyrite; contacts @ ~60-65° (parallel to 556')
		558.7 - 559.5' - patchy pegmatite - medium grained gabbro; magnetic
559.5	738.7	NIPissing GABBRO +/- PEGMATITIC GABBRO VEINING
		Similar to previous units; pegmatitic veins to 507.3'; dark to medium greys to somewhat greenish; medium grained; non-magnetic to about 572'; scattered (1%) quartz-carbonate veinelets < 1-2 mm wide @ ~65-75° to C.A. (mainly) to about 570' (one with minor Chalcopyrite at 564.7'); ^{short} A pegmatitic sections & small patches (~629-669')
		very occasional small grain of Chalcopyrite, Pyrite or Pyrrhotite
567.5	571.1	~15% patchy, medium grained, medium grey, more felsic segregations
572	738.7	Generally, moderately magnetic to locally strongly magnetic due to magnetite disseminations; (below 738' rocks sporadically weakly to moderately magnetic)
		581 - 586' - several chloritic fractures @ 5-15° to C.A.
		594.5 - 597' - ~15 carbonate fractures and veinelets ≤ 1 mm wide (one 5 mm) @ 70-80° to C.A.

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HOLE NO. Kc 1) 75-03

Feet		DESCRIPTION
FROM	TO	
		607.6 - 612.2' - chloritic fractures and veinlets (< 2 mm wide) +/- carbonate @ 20-35°, 45°, 60°, 15° to C.A., 1-5'/foot; one @ 20° to C.A. with pyrite blebs at 607.6'; 3 cm wide carbonate vein @ 60° to C.A. with minor Chalcopyrite at 611.4' (disseminated); gabbro locally softer, more chloritic in this section
		629 - 641' - 10' coarse grained to pegmatitic clots; small (< 5 cm) patches, and several irregular veins 1-20 cm wide (some contacts @ ~60-75° to C.A.) the largest vein near 637'; rocks slightly softer and more chloritic; several ^{subparallel} chlorite veinlets, 1-2 mm wide and one 1 cm wide @ 55-65°; 35-45° to C.A. between 629.6 - 630.4' (cut some coarse grained patches)
		642.4' - carbonate-chlorite veinlet < 2 mm wide @ 50° to C.A. with minor chalcopyrite
		648.5 - 651.9 - 50-60% coarse - very coarse grained pegmatitic veining, 5-25 cm wide with irregular contacts; several chlorite fractures @ 10-20°, 35°, and two white carbonate veinlets, 1-2 mm wide, @ 65° to C.A. (with minor Pyrite + Chalcopyrite) cut pegmatite near 649.2'
		658.6 - 661 - Two pegmatitic veins @ ~70° to C.A., 1 cm and 8 cm wide
		666.8' - minor Po. in gabbro
		668 - 669.1 - Pegmatite veins @ ~60-70° to C.A.; minor chlorite veinlet, and 2 mm carbonate veinlet/shear @ ~70° to C.A. (minor Pyrite)
		674.3 - 678 - several chloritic slips @ 0-5° and a few chlorite veinlets (lum) @ 50-60°, 30-35° to C.A.

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Feet		DESCRIPTION
FROM	TO	
		681-681.5' - 5 chlorite veinlets @ 60-75° to C.A.
		687.2-687.7' - 2 mm carbonate-quartz veinlet @ 10° to C.A. with chloritic slips on margin and a chloritized margin 2 mm wide with anhedral greyish carbonate crystals
		688' - Similar to 687.2'; minor Chalcopyrite in 1 mm core veinlet @ 70° to C.A.
		690-690.7' - chlorite alteration halo 0.5-1 cm wide with 30-40% anhedral carbonate crystals (greyish) about a 2 mm wide quartz-carbonate veinlet + chloritic slips @ 15° to C.A.
		Carbonate crystals smaller but similar to those developed in altered felsic pyromelite near 556' + 558'
		700.8-735.1 - some scattered chlorite veinlets (< 1-2 mm), fractures/slips @ 5-15°, 20-25°, 35-50° to C.A.
		735.9-736' - several carbonate-quartz veinlets, < 1-3 mm wide, @ ~60° to C.A., larger veinlet is bleached halo; Traces Pyrite specks
		Gradational contact
738 1/2	757.7	NIPISSING GABBRO + CARBONATIZED, SHEARED ZONE
		Dark greenish grey, hard to locally moderately softer, generally non- to weakly magnetic, mafic minerals (pyroxene-amphibole) dark greenish (probably chloritic), feldspars are often slightly greenish; gabbro is medium grained; 2% scattered carbonate-quartz veinlets, 1-3 mm wide mainly (very occasional streaks of sulfides) @ 50-55°, 60-65°

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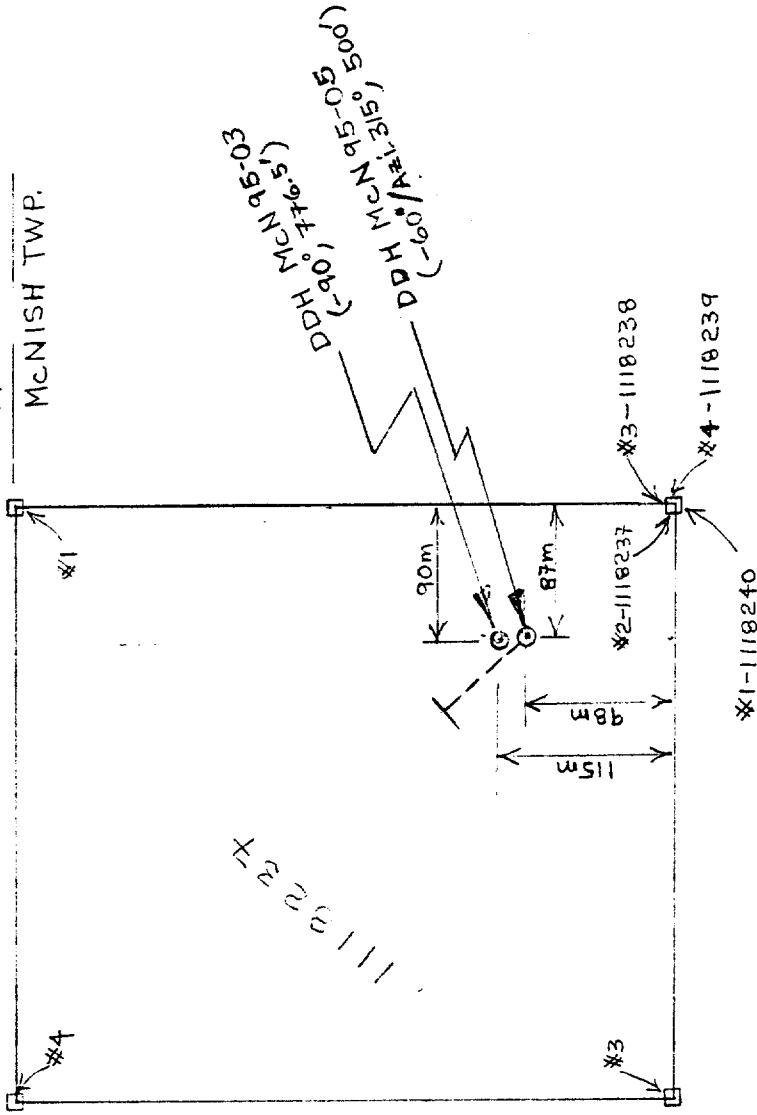
Feet		DESCRIPTION
FROM	TO	
	ctd.	and 70° to C.A., mainly, locally 3/foot, some with chloritic slips and a few with clasts, sheared, carbonatized zones below 755.6'
		743.2 - 743.5 - bleached, epidotized @ ~50° to C.A. with three quartz-carbonate veinlets 2 mm ^(50') and 1 cm (70°) wide; largest veinlet at core; greyish carbonate crystals (anhedral) developed in zone; minor disseminated Pyrrhotite +/- Chalcopyrite present in zone
		755 - 755.6' - some epidotized feldspars and veinlets, and several quartz-carbonate gashes @ 30-35° to C.A.
		755.6 - 756.6 - Bleached, silicified, ^{fold spallized?} epidotized, carbonatized zone with cataclastic, sheared parts; rocks are pale greenish greys, with darker, braided, chloritic shears @ 60-70° parallel to zone; creamy to pale pinkish grey-rose, anhedral carbonate crystals throughout; several milky-white quartz-carbonate veinlets. 1 - 10 mm (!) parallel to zone, some brecciated near 756.2'; minor disseminated Chalcopyrite + Pyrite.
		Contacts of zone @ 70° and ~60° to C.A.
		756.6 - 757.2' - Dark, altered gabbro, with epidotized feldspars, several 1-2 mm wide milky-white quartz-carbonate veinlets @ 70°, 35-45° to C.A.; some pale rose-grey carbonate crystals near 757.2'; minor Chalcopyrite in the veinlets, and minor Pyrite specks near veinlets;

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Feet		DESCRIPTION
FROM	TO	
		757.2-757.4 - 4-5 cm wide zone similar to 755.6-756.6; cut by later milky-white to grey quartz-carbonate ^{chlorite} veinlets up to 1 cm wide, parallel to sub-parallel to zone which is @ ~ 60° to C.A.; < 1/2% disseminated Chalcopyrite, Pyrite in and near veinlets
		Gradational contact in gabbro which becomes magnetic by 757.6'
757.7	776.5	DIPPING GABBRO Similar to gabbros above 738'; dark greys, medium grained, hard, often weakly to moderately magnetic (due to disseminated magnetite); a few chlorite fractures/veinlets @ 5-15°, 60-70° to C.A.
		770-776.5 - re-drilled core mainly due to 3 broken crowns in hole, which could not be drilled out - hole abandoned
	776.5	END
		Frank H. Toews, B.Sc. Frank H. Toews Geologist
		COMPLETION OF LOG: MARCH 15/95

MACBETH TWP.
McNISH TWP.



FLAG RESOURCES (1985) LTD.

Charron Option

McNISH TOWNSHIP
Claim No. 1118237

LOCATION SKETCH

D.D.H. McN 95-03 & 95-05

Scale - 1:5000

0 100m

Mar./95

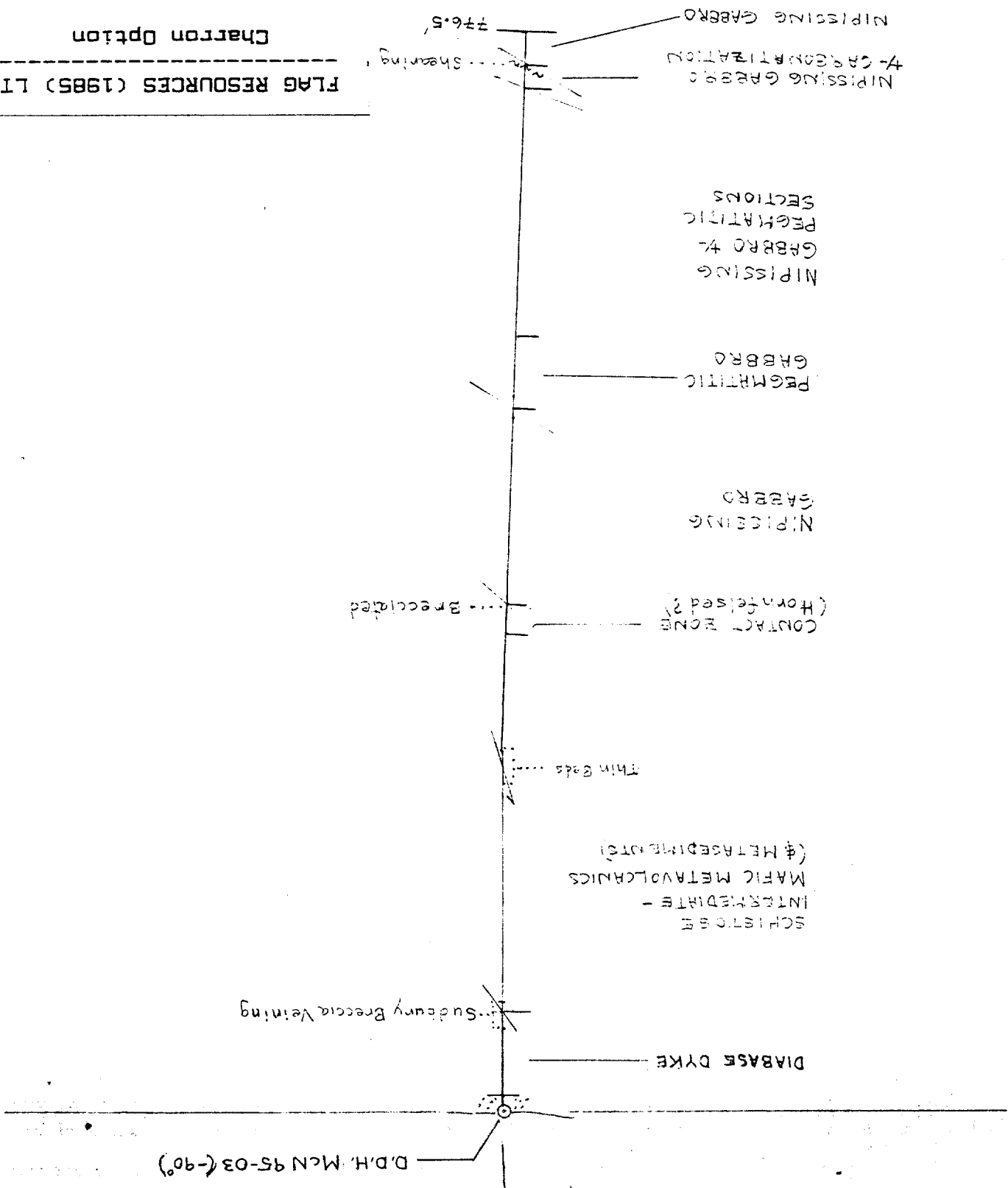
FHT

0 200ft

Scale : 1" = 100 Ft
 0 100 Ft 30m
 Mar./95 FHI

SECTION THROUGH
 D.D.H. McN 95-03
 Claim No. 1118237
 McNISH TOWNSHIP
 Charon Option

FLAG RESOURCES (1985) LTD.



Diamond Drill Record

Hole No. **MCN 95-04**

Company

FLAG RESOURCES (1985) LTD.

Date Hole Started

March 14/95

Date Completed

March 24/95

Collar Elevation

~2m above
Sua WP

Depth of hole from true
Month

950'

Map Reference No.

Claim 11mp
G-2909

Claim No.

1118247

Drilling Company **Erauda Mines Ltd., Lively, Ontario**

Location

McNish Twp. - 72ms.
and 20m E. of Post #4
(collar ~15m @ 020° from old shaft)

DESCRIPTION

Feet
FROM TO

0	5	CONGLOMERATE - BEDROCK at ~3'; core from ~5'
5	76.1	CONGLOMERATE FORMATION - CONGLOMERATE + INTERBEDDED QUARTZITES ± SILICIFICATION

020

Hole spotted on instructions of M.C.H.
 Core stored at F.H.T.'s residence
 Acid dip test at 925' - 84°
 Conglomerate is variable, dark to medium greys - greenish greys, very hard (silicified) to moderately soft; non-magnetic (except for Pyrrhotite); mainly a paraconglomerate with 10-50% rounded to angular, pebbles and gravels, and some cobble-size clasts of unconsolidated, metavolcanic, chert, grey to pink granitic rocks, set in a fine to coarse grained matrix of mineral grains and rock chips. Matrix is chlorite to sericitic ± for epiditized in part, and also partly silicified; trace to locally 5% sulfides (average <1-2%), mainly Pyrite and Pyrrhotite as disseminations, rags & small, massive patches, replacing matrix and some clasts. Quartzite beds occur below ~13.5', are up to ~8' thick, recrystallized-silicified, show alternating ± sulfide mineralization, some feldspars (small) visible & occasional pebbles visible. ^{of} matrix chlorite ± carbonate ± scaly Pyrite ± slips @ 5-70° to GA.

41116SW0001 W9570.00039 MCNISH

Diamond Drill Record

HOLE No. 1411 95-04

Feet	FROM	TO	DESCRIPTION
			Some quartz-carbonate veining present
5	13.5		Carbonate; medium to dark grey-greenish grey, often very hard silicified; ~1% disseminated Pyrite, Pyrrhotite.
			7' - \leq 3 cm quartz-carbonate-chlorite vein @ $\sim 45^\circ$ to C.A.
			7.1' - Pyrrhotite patch \leq 2 cm in size plus local blebs and disseminations in matrix
13.1	14.8		Light grey quartzite, medium to coarse grained, recrystallized, with $\sim 10\%$ dark green chloritic spalling, blotches, disseminations & hazy veined, $\frac{1}{2}$ 1-2% disseminated Pyrrhotite; some epidote up to 1" contact @ $\sim 45^\circ$ to C.A. (a 6 cm hazy pebble + chlorite spots lies above 13.4')
14.5	15.2		Pebbly quartzites with several pink to beige arkose? chert pebbles in a hazy chloritic, quartzitic matrix; 1-2% Pyrrhotite, Pyrite, disseminations
15.2	22.8		Spalling to near massive quartzite (with minor disseminated chlorite), pale greenish grey (concretion?) to light grey; very hard; Trace to locally $\leq 1\%$ disseminated Pyrite (some Pyrite with spalling 15.2' +) often associated with chloritic spalling; rocks contain frequent fractures/slips often with chlorite + carbonate $\frac{1}{4}$ -scaly Pyrite @ $25-35^\circ$, $40-55^\circ$, some
			10-20" la C.A. (2-8' / foot)
			17.6' - 3-4 cm thick pebble bed @ $35-40^\circ$ to C.A. with $\sim 50\%$ rounded to elongate quartzite and cherty granules and pebbles up to 1 cm in length; elongate clasts

Diamond Drill Record

HOLE NO. HEN 95-04

Feet	FROM	TO	DESCRIPTION
		cht	show a preferred orientation with long axis more or less parallel to bedding contacts which are fairly distinct; may be weak size sorting with more larger coarse matrix; matrix is ^{rather} medium to coarse grained, quartzitic, sericitic-chloritic enclosing host rock is light grey, silicified quartzite; a chloritic slip @ 30° to C.A. cross-cuts bed and slip also cuts a 0-5° Pyrite fracture filling which coarse pebbly bed; ^{former} disseminated Pyrrhotite below 1.1. 15' - 4-5 cm wide milky to greyish quartz vein @ 55-60° to C.A. with 60% pale pink carbonate patches (some pits); a little disseminated Pyrrhotite in vein at down-side contact; host is silicified quartzite (light grey); vein is sub- parallel to pebble bed above 20-22.8' silicitic spotting increases; quartzites more greenish grey; <1-2% disseminated Pyrite and fine fracture fillings and/or scaly Pyrite with ^{some} carbonate-chlorite slips; ^{brooding} \approx 5 mm wide quartz-carbonate veinlets with 10% Pyrite blebs and a few small rock inclusions, veinlets @ 55-60° to C.A. at 20.6', and wall rocks within about 0.2' of veinlets contain ~3% disseminated Pyrite 22.8' - contact with conglomerate in fractured (+ slips) broken core; may be @ ~70° to C.A.;

Diamond Drill Record

HOLE NO. 01-01 95-04

Foot	FROM	TO	DESCRIPTION
	22.8	25.8	Dark green-grey, conglomerate matrix, silicified(?) w/ quartzite below, < 1% disseminated Pyrrhotite, Pyrite; contact in fractured, broken core
	25.8	27.5	Quartzite, silicified, medium to light, somewhat greenish greys, some chlorite settling in central parts; 1/2% disseminated Pyrite, Pyrrhotite; contact at 27.5' is irregular in broken, fractured core
	27.5	29.5	Blocky greenish grey conglomerate; < 1/2% disseminated Pyrite, minor Pyrrhotite
	29.5	31	Medium block greenish grey arkosic(?) matrix, medium-coarse grained; pink, 6 cu in full with light grey silicification halo at 29.9'; minor disseminated Pyrite
			29.5' contact sharp c. 60° to C.N.
			29.1' - 29.9' zone near irregular contact c. 25-40' to C.N.
			Conglomerate with generally a softer (chloritic-smeared), finer grained, well-sorted dark greenish grey matrix; several arkosic(?) matrix beds (see column) up to 1' long and 1/2" thick of spotted quartzite beds; Trace to locally 1% Pyrrhotite, Pyrite; occasional quartz-carbonate veinlets
31	68	72	23.7-25.7(14') - 2-3% Pyrrhotite (4% Pyrite) disseminations. Holes, veinlets and some more massive patches (one patch up to 4 cu in size near 35.9' with disseminated Pyrrhotite - chloropyrite marginal to patch)
			36-36.1' - greenish grey, medium-coarse grained arkosic(?) matrix with some disseminated

Diamond Drill Record

HOLE NO. 142N 95-04

Feet		DESCRIPTION
FROM	TO	
39.4	37.8	Pyrrhotite; contacts @ 70° and 15° to C.A. Line ground work traversed by few interval grey quartz. tension veinlets 2 mm wide @ 5-15° to C.A. with Pyrrhotite blebs in veinlets; veinlets sub-perpendicular to contact; bed? or cobble(?)
41.5	43	silicified light grey quartzite bed with 15% chlorite blotches and spots (some sericite) with 2-3% disseminated Pyrrhotite to Pyrite; contacts darker but @ about 25° to C.A.
45.2	46.1	Medium greenish grey, medium grained arkosic(?) quartzite bed (or cobble?) with 2-10% disseminated Pyrrhotite (minor Chalcopyrite); rock is hard and contains pale greenish epiditized feldspars; contacts are parallel @ 25° and 30° to C.A.; surrounding conglomerate probably silicified (t/- Pyrrhotite dissemination) near contacts
47.2	48.2	Medium greenish grey, medium grained, arkosic wacke with minor disseminated Pyrrhotite; rock is hard; contacts parallel @ 60-65° to C.A.; 1 cm wide quartz-chlorite t/- Pyrrhotite veinlet cuts wacke @ 20° to C.A. for 5 cm and terminates at junction of contact with conglomerate at 48.2' where matrix is silicified and a couple ^{of small} patches of Pyrrhotite occur
48.2	48.4 1/2	silicified conglomerate - 3-5% Pyrrhotite

Diamond Drill Record

HOLE No. **N, N 95-04**

Feet	TO	DESCRIPTION
48.4 1/2	49.1	Silicified quartzite with 15-20% chloritic ^{4/50° to 60°} blotches and disseminations; 1% disseminated Pyrrhotite 1/2 Pyrite 1/2 minor Chalcopyrite; contacts distinct to laxy
49.6	68 1/2 - 74.2 1/2	(to 45° and 25-30° to C.A. (sub-parallel)) Conglomerate - minor disseminated Pyrrhotite; Pyrite - Trace to 1/2% locally; conglomerate matrix generally coarser and harder; gradational in places with coarse grained dark grey wackes < 0.5' thick; Trace to locally 1% Pyrrhotite 1/2 Pyrite disseminations; a few quartz carbonate chlorite veinlets @ 45-50°, 15° to C.A. occasionally with Pyrite or Pyrrhotite, and 1-5 mm wide; 70.1' - Up-hole contact of fine grained ^{dark} wacke @ 65° to C.A. grading into coarse grained wacke Matrix over ~ 4 cm. indicating tops up-hole 73.3' - rounded ~ 10 mm silicified porphyroblast wacke cobbles with angular to sub-round quartzite pebbles 73.6 - 74.2 1/2 - Medium grained, dark greenish grey, hard massive alkalic(?) wacke 1/2 Pyrite; Up-hole contact with conglomerate somewhat irregular @ ~ 65° to C.A.; down hole contact slightly gradational with basal grits below @ 25-30° to C.A.; contact ~ sub-parallel
74.2 1/2	76.1 1/2	Hard, basal gritty unit with rounded to angular granules & small pebbles, mainly 0.2-1 cm in size, a ^{greenish to greyish to brownish grey} quartzite, quartz, chert, arkose, set in a greenish matrix of chlorite-silicite (~ 30-40% matrix); ~ 1% disseminated Pyrrhotite in matrix and replaces some clasts; a few, ≤ 1 mm wide, quartz-carbonate veinlets @ 60-70° 38.4' and 25° to C.A.; unit is medium greenish grey in color.

Diamond Drill Record

HOLE NO. McN 15-04

FROM	TO	DESCRIPTION
76.14	17.3	<p>Sharp contact @ ~35° to C.A. (parallel to contact at 74.2'), with unit below where silicification has occurred (strongly with grey to beige quartz-rich silicification) with hazy, irregular boundary up to 5mm wide in metasediments below, and which are very hard for about 4cm perpendicular to contact.)</p> <p><u>METASEDIMENTS (ARCHENID BASEMENT?) - WACKES +/- SILICIFICATION</u></p> <p>Medium greys to somewhat greenish greys, non-magnetic (except for Pyrrhotite), moderately soft to hard to very hard due to patchy silicification(?); fine grained, massive; marks cut by 2-3% tremolite(?) - chlorite +/- quartz veinlets (1/2 Pyrrhotite +/- Pyrite), 1-5mm wide @ 5-25° to C.A. (some branch, some intersect) with light grey bleaching/silicification in places ≤ 1cm wide; occasionally cut by greyish-white quartz +/- carbonate veinlets 2-5mm wide @ 45-55°, 0-15° to C.A. and also cut at least one quartz veinlet</p> <p>80.6-81' - ~10% quartz +/- carbonate veinlets, irregular, 0.2-1cm wide @ 0-70° to C.A. cut by ^{tr}brecciated silicified, light grey (greenish) amphibolitic dyke with 25-30% chloritized orbicular amphiboles (?) ≤ 3mm long with a foliation @ ~30-35° to C.A. and irregular contacts (1/2 quartz veining) @ 35-45° and 50-60° to C.A.</p> <p>81.7' - cherty, light to darker greys, irregular veinlet with a bleb, ragged, disseminated Pyrrhotite</p>

Diamond Drill Record

HOLE NO. M, N 95-04

Feet FROM TO	DESCRIPTION
old.	<p>a ~ 70-75° to C.A. and ~ 1 cm wide; some flowage below veinlet in host rock; veinlet followed by possible 1-2 cm wide, irregular, lense of silicified, possible felsic fragmental (?) rock with some disseminated Pyrrhotite</p>
	<p>94-97.7 - Fractures to slips, chloritic, @ 35-45°, 50-60°, 20-25°, 0-5° to C.A., 3-5'/foot</p>
	<p>95.7-97.3' - Silicified, very hard with a 2-3 cm wide, milky to grey quartz carbonate / epidote vein @ 50-55° to C.A. containing a bleb of Pyrrhotite, some disseminated Pyrite (2% sulfides); Vein opposed to contact at 97.3'</p>
	<p>97.3 (1/2) - sheared parallel to contact @ ~ 55° to C.A.</p>
97.3 101.1	<p>AMPHIBOLITIC DYKE (OR MAFIC METAVOLCANIC?)</p> <p>Medium greenish grey, fine-medium grained, non-magnetic, somewhat schistose</p> <ul style="list-style-type: none"> @ ~ 5-20° to C.A., truncated by ^{internal} shearing along contacts for < 3 cm which are @ ~ 55° and 30° to C.A. (sub-parallel); ~ 30% greenish chloritized amphiboles in a matrix of altered feldspars; also weak carbonatization present; rock cut by a few, 2-3 mm wide quartz-carbonate veinlets @ 15°, 35°-45°, 75° to C.A.; rock is moderately soft to soft; chloritic slip on down-hole contact

Diamond Drill Record

HOLE No. HCN 95-04

Feet		DESCRIPTION
FROM	TO	
101.1	113.2	METASEDIMENTS $\frac{1}{2}$ SILICIFICATION (MARKS)
		Medium grey with ^{10%} patchy light grey-beige sections; non-magnetic (except for pyrrhotite); fine grained; hard to very hard to moderately soft regardless of colour; 5% (1/4) quartz-carbonate $\frac{1}{2}$ chlorite $\frac{1}{2}$ Pyrite $\frac{1}{2}$ Pyrrhotite veinlets, mainly 1-5 cm wide @ 15-20°, 30-35°, 45-50°, 60° to C.A., some with light grey-beige alteration halos; also about 5lx, 1-4 cm wide, milky to grey quartz-carbonate $\frac{1}{2}$ Pyrite $\frac{1}{2}$ Pyrrhotite veins @ 40-60° to C.A.; < 2% sulfides overall, in and near veining and as source fine fracture fillings; rocks generally fractured $\frac{1}{2}$ slips, with chlorite $\frac{1}{2}$ carbonate $\frac{1}{2}$ scaly Pyrite @ 15-70° to C.A. (3-6t/foot)
105.9	106.4	Patchy beige-grey alteration cut by quartz-carbonate veinlets and a few veinlets with blebs, disseminated Pyrite, minor Chalcopyrite, and Pyrite fracture filling (2% sulfides)
107.4	107.6	2 milky to grey quartz $\frac{1}{2}$ carbonate Veins 4 cm and 1.5 cm wide @ 55-60° to C.A.; minor disseminated Pyrite
109		Chloritic mud seam in broken, fractured core @ ~35° to C.A., < 5 cm wide
109	110.4	Patchy light grey-beige alteration (somewhat brecciated?) cut by ^{fractures by} quartz-carbonate veinlets $\frac{1}{2}$ chlorite $\frac{1}{2}$ Pyrite; 2 cm sheared, brecciated quartz-carbonate veins
		~ 2 cm wide @ 30° to C.A. with blebs of Pyrite; 1-2% sulfide overall
113.2		11lx to grey quartz $\frac{1}{2}$ carbonate veins, 3 cm wide @ 45-60° to C.A. with 10%

Diamond Drill Record

HOLE No. 1 (1) 95-04

Feet		DESCRIPTION
FROM	TO	
	dd.	Massive Pyrrhotite + Pyrite + Minor Chalcocopyrite, and some disseminations
115.6	118	Patchy light grey to beige alteration (+ some halos about some quartz-carbonate-chlorite-epidote? veinlets + Pyrrhotite + Pyrite and one with minor Calcena) cut by quartz-carbonate-chlorite veinlets with disseminated Pyrrhotite-Pyrite and ^(+ minor Chalcocopyrite) Pyrite veinlets; 1-2 cm, 2-3 cm wide milky to grey quartz + carbonate + epidote (+ disseminated Pyrite) veins also present; veining @ 35-55° to C.A. mainly; ~3% sulfides in zone, which has ~15% light grey to beige alteration.
118	172 +/-	METASEDIMENTS (WACKES) - SCHISTOSE +/- SPOTTING Medium to dark greys, chloritic to biotitic, non-magnetic (except Pyrrhotite), fine-medium grained; soft to moderately soft with patchy hard areas (mainly where quartz veining present); locally to moderately schistose @ ~10-30° to C.A.; ~20% scattered zones (0.2 to <1' long) with 1-3 mm sized light grey sericitic(?) alteration spotting in amounts from <5-30%, some elongate or ovoid parallel to schistosity; 10-20% lighter greenish grey, epidotized(?) - chloritic (?) - silicified alteration veinlets, waxy bands and patchy bands, 0.2 cm to several cm wide (some in zones <2' long) oriented @ 20-70° to C.A., and which are cut by (<2%) later quartz-chlorite-tremolite(?) + calcite veinlets (1-3 mm wide) with more massive to blebs, rags & disseminations of

Diamond Drill Record

HOLE No. MCN 95-04

	Feet		DESCRIPTION
FROM	TO		
	c/d.		Pyrrhotite +/- minor Chalcopyrite +/- Pyrite, and bordered by beige to creamily siliceous or bleached alteration haloes ≤ 5 mm wide @ 15-30° to C.A.; the lighter greenish grey alteration veinlets - bands are also cut by ~5% milky to greyish quartz +/- carbonate +/- chlorite +/- epidote +/- tremolite veinlets 0.1-3 cm wide @ 10-60° to C.A. +/- blebs, disseminations and irregular small veinlets of Pyrrhotite +/- Pyrite +/- minor Chalcopyrite (Trace to locally 10% sulfides), which in turn are occasionally cut by the quartz veinlets with the beige-creamy alteration haloes; late chloritic (+/- carbonate) fractures/slips, some with Scaevite Pyrite, @ $< 10-75^\circ$ to C.A. cut all features (1/2' to 4'/foot); unit has ~1-2% sulfides overall.
122.7	126.1		Two sections, over ~1' with thin beds and laminations (some biotite-rich), approximately parallel to schistosity, @ 10-15° to C.A.; grey s. matrix(?) spotting begins in this area
126.4	126.8		Shearing (sub-parallel to bedding above) @ 35° to C.A. decreasing to 25° to C.A., with 5% quartz +/- carbonate veinlets parallel to shearing; some hematitic alteration and minor Pyrrhotite and Chalcopyrite associated with veinlets; also epidotization present
135.4			2-3 cm wide sheared quartz-carbonate vein @ 40° to C.A., epidote present; minor Pyrrhotite
136.6			3-4 cm wide quartz-carbonate-chlorite vein @ 35-45° to C.A. with 10% angular particles and

Diamond Drill Record

HOLE NO. **MCU 95-04**

FROM	TO	DESCRIPTION
	141.4	dark green chlorite patches
142.9	144.4	Four, sheared to partly sheared, quartz-carbonate-epidote ± chlorite veins, 1-3 cm wide, 50-55°, ~40° to C.A. (veins parallel); minor disseminated Pyrite and/or Pyrrhotite in veining
147.4		< 4 cm wide, quartz-carbonate-chlorite vein @ ~35° to C.A. with 5" ragged Pyrite patches and disseminations, partly associated with chlorite
148.4		Pyrite veinlet parallel to chloritic slip @ 30° to C.A. cross-cuts and offsets a 5 cm wide quartz-carbonate vein with minor chlorite and epidote and specks of Pyrrhotite @ 20-30° to C.A. (sub-parallel to vein at 147.4')
149.2	149.8	Two, 1 cm wide quartz ^{pyrrhotite} veinlets @ ~70° to C.A., bracket a zone of shearing epidatization and silicification containing some smaller veinlets parallel to shearing @ ~50° to C.A., some chlorite-quartz veinlets @ ~5-10° to C.A. cut shearing; ~2% Pyrrhotite ± Chalcopyrite are associated with the veining
151.2		2 cm wide, irregular, quartz-carbonate-chlorite vein @ 30-40° to C.A. with 5% ± blebs, disseminated Pyrrhotite ± Pyrite ± Chalcopyrite
156.8		1-3 cm wide quartz-carbonate-chlorite vein with minor Pyrrhotite @ 25-30° to C.A.

Diamond Drill Record

HOLE NO. M&U 95-04

Feet		DESCRIPTION
FROM	TO	
	old	cross-cut by later, 2 mi wide quartz-carbonate. Pyrrhotite veinlet @ 30° to C.A. with blebbing (+ Epidote) halo.
157.9		1-2 cm wide quartz-carbonate-chlorite vein @ 30-35° to C.A. with 10-15% ragged blebs, veinlets & disseminated Pyrrhotite + Pyrite
161		< 2 cm wide quartz-carbonate-chlorite vein @ 45° to C.A. with 10-15% irregular, ragged veinlets, disseminations of Pyrrhotite + Pyrite + Chalcopyrite
163		0.5. 1 cm wide quartz-carbonate veinlet @ 30° to C.A. with 5-10% ragged blebs, veinlets of Pyrrhotite + Pyrite + Chalcopyrite
161.7	163.8 1/2	Magnetite band (or dyke?) similar to 97.3'; biotite flings; schistose at low angles to C.A.; minor disseminated Pyrrhotite, Chalcopyrite; contacts are sub-parallel @ 20° and 30-40° to C.A. (opposed to quartz veinlet at 163'); cut by several Pyrrhotite veinlets @ 0-5° to C.A.; several 2-5 mm quartz veinlets @ ~50° to C.A. with 2-3% Pyrrhotite + Chalcopyrite cross-cut up-hole contact
167.7	170.6	0.2-1 cm wide, irregular-ragged quartz-carbonate-chlorite veinlet @ ~5° to C.A. with 2% blebs, disseminated Pyrrhotite + Pyrite; some small branching veinlets also present

Diamond Drill Record

HOLE No. Mc 95-04

Feet	FROM	TO	DESCRIPTION
172	206.14		<p>METASEDIMENTS (UNCKES) - SCHISTOSE + SPOTTING +/- AMPHIBOLITIC BANDS (OR DYKES? OR METAVOLCANICS?)</p> <p>Metasediments are similar to previous unit, dark to medium greys, biotitic +/- muscovitic, fine grained, often spotted with light grey ^{to silty, blocky grey} sericitic? spotting, moderately hard to soft, with some thin beds and laminations @ 15-25' to C.A. mainly; schistosity @ 10-20° to C.A. mainly, and below ~181' it appears to be opposed to visible bedding (schistosity is moderate to strong); occasional greenish grey silicification - epididization alteration veins and bands</p> <p>Several Amphibolitic bands (or dykes? or metavolcanics?) greenish grey, medium grained with chloritized amphiboles? set in a matrix of altered feldspars; some biotitic; locally to moderately schistose; partly similar to dyke at 77.3'; cut by and/or partly parallel by some quartz +/- carbonate veining</p> <p>Some scattered quartz +/- carbonate +/- Pyrrhotite veining 1-5 mm wide @ 10-50° to C.A. parallel to sub-parallel to bedding and also opposed to bedding; also several veins up to 2 cm wide</p> <p>late chloritic fractures (+/- slips) +/- carbonate +/- scaly Pyrite @ 15-70' to C.A. parallel to cross-cutting other features.</p>

Diamond Drill Record

HOLE NO. McN 94-04

FROM	TO	DESCRIPTION
	ctd.	Trace to locally 1-2% sulfides
184.5	185.6	Amphibolitic dyke(?), similar to 97.3', contacts sub-parallel plus oxidized margins cut by several 2-3 mm quartz-carbonate veinlets @ 35°, 75° to CA.
		184.5' (4') - curved contact @ 10-20° to C.A., parallel to bedding.
		185.6' - contact @ 25° to C.A., 1 cm wide quartz ² / ₁ carbonate veinlet @ 5-10° to C.A. over 0.2' length and partly along contact
185.6	186.8	Mica inclusions with several ^{parallel} biotite-rich, schistose beds and laminations 0.3-2 cm thick, irregular @ low angles to Core Axis with open ^{single} folding; (bedding is sub-parallel to contact @ 185.6'); schistose beds ^{are} cross-cut by kink-bands oriented in ~30° to C.A.
186.8	187.4	186.8 - 187.4 schistose amphibolitic(?) bands, irregular; some unclastic inclusions; fine to felding(?); partly parallel and partly in vaded by quartz veining
187.4	188.2	15" quartz + carbonate veining ^{general} up to 2 cm wide, pinching and swelling and branching @ 0-15° to C.A.; possibly some ^{foliated} (?) ; veining partly parallel to some visible laminations in unclastic inclusions @ ~20° to C.A. near 187.5'; some ^{amphibolitic} (?) of well rocks; minor disseminated pyrrhotite + chloropyrite in veining; one 3-5 mm wide pyrrhotite + titanite + quartz veinlet @ 15° partly cut by

Diamond Drill Record

HOLE NO. M₂N 95-04

Feet	FROM	TO	DESCRIPTION
			a quartz vein but may be a branch of the main veining
188	188.84	188.84	Amphibolitic band with parallel contacts @ 25° to C.A.; up-hole contact along a quartz vein; down-hole contact is parallel to bedding
			Amphibolitic; band (or dyke) is more bititic but otherwise similar to 184.5'; some epilitations internally and along down-hole contact
188.8	189.6	189.6	laminated replacement @ 25° decreasing to ~15-10° to C.A.
189.6	195.4	195.4	Some bedding @ 5-15° to C.A.
			195.3' - 5 mm wide quartz-carbonate veinlet @ 40° to C.A. which is sub-parallel to low-angle bedding up-hole from veinlet
195.4	195.8	195.8	Carbonate amphibolitic(?) band; chloritic, soft, some epidote present; non-magnetic; contacts parallel schistosity at low angles to C.A.
			195.4' - contact @ 30-35° to C.A., sub-parallel to quartz veinlet at 195.3'
			195.8' - < 5 mm quartz-carbonate veinlet @ 40° to C.A.; sub-parallel to contact and partly cutting band @ ~30° to C.A.; minor disseminated Pyrrhotite in veinlet; contact of band sub-parallel to bedding @ 20° to C.A. in matrix sediments below
196.1	205.1	205.1	Some bedding visible @ 10° to < 5° to C.A.

Diamond Drill Record

HOLE No. 16N 95-04

Feet FROM TO	DESCRIPTION
	<p>202.8' - 1.5cm wide quartz-carbonate +/- epidote vein @ 25-35° to C.A. cross-cutting schistosity @ ~10° to C.A.; few Pyrite blebs in vein + minor Pyrrhotite; schistosity (and probably vein) is also cross-cut by a few chloritic (+ carbonate) fractures/slips @ ~10° to C.A. with scaly Pyrite (one also is parallel to schistosity)</p>
206.14	<p>178.3</p> <p>METASEDIMENTS (SCHISTOSE) +/- SILICIFICATION +/- AMPHIBOLITIC BANDS (OR DYKES OR METAVOLCANICS?) + SEVERAL FAULT/FRACTURE ZONES)</p> <p>Metasediments similar to previous units; fine grained; weakly to moderately to locally strongly Schistose; some patchy areas with greyish sericitic spotting; dark to lighter greys, biotitic 1/4 chloritic +/- muscovitic; moderately soft to hard with 15-25% (+/-) scattered ^{matrix} areas of silicification (very hard) as lighter grey to greenish greys (epidolization-sericitic-chloritic in part) patches bands and veining, often associated with quartz +/- carbonate +/- chlorite +/- epidote +/- sulfides veining (which also can be seen to cross-cut the smaller alteration veinlets in places, as well as forming the cores of some of the alteration haloes); Minor to 10% (average 5%) quartz veining, often < 0.1 - 1 cm wide, @ 5-75° to C.A., uniform to irregular to ragged</p>

Diamond Drill Record

HOLE NO. HCN 95-04

Feet FROM TO	DESCRIPTION
ctd.	<p>veinlets, gashes, ^{patches} cut schistosity and sometimes impregnate rocks along schistosity and sometimes appear to precipitate host rocks, veins occasionally up to ~0.5' wide; Trace to locally 3% sulfides (Pyrrhotite &/or Pyrite, minor Chalcopyrite) in or near quartz veining as disseminations, blebs or veinlets, and some sulfides as fracture fillings; scaly Pyrite also occurs on chloritic (w/ carbonate) fractures/slips; ~1-2% sulfides overall; rocks are non-magnetic except for Pyrrhotite; Scattered amphibolitic bands, patches &/or dykes? (melanocratic?) similar to those previously described, some tremolitic, but often chloritic to biotitic (w/ epidote-sericite alteration), often schistose, sometimes silicified; contacts appear to be opposed to some intermittent visible bedding in the metasediments; quartz veining also can cut the amphibolitic materials; Two fault/fracture zones near 252', 461' some contain crushed fragments of wall rock in a chloritic mud matrix</p>

Diamond Drill Record

HOLE NO. McN 95-04

FROM	TO	DESCRIPTION
208.8	213.3	5-10% quartz veining @ 5-40° to C.A. often parallel to sub-parallel to schistosity where present @ 15-25° to C.A. with patchy silicification in metasediments which contain spalling in parts of section; $\approx 1\%$ Pyrrhotite $\frac{1}{2}$ Pyrite ^{minor Chalcopyrite} mainly associated with veining
		209.2' - < 0.5-2 cm wide, irregular quartz $\frac{1}{2}$ epidote $\frac{1}{2}$ sericite $\frac{1}{2}$ carbonate $\frac{1}{2}$ chlorite veinlet @ 25° to C.A. with a little Pyrrhotite
		210.1' - irregular, 2-3 cm wide chlorite $\frac{1}{2}$ quartz veinlet with disseminated Pyrrhotite + minor Chalcopyrite, with ^{wise} sericitic halo; veinlet @ 45° to C.A. crosscuts schistosity and quartz $\frac{1}{2}$ Pyrrhotite veinlet parallel to schistosity @ 25° to C.A. and is truncated by a small greenish sericitic shear @ 60° to C.A.
		211.8-212.2' - medium greenish grey, chloritic, schistose, amphibolitic band parallel to schistosity @ 25-30° to C.A.; some quartz present; some quartz $\frac{1}{2}$ chlorite vags and veinlets partly along ^(parallel to contacts) $\frac{1}{2}$ amphibolite; veinlets contain Pyrrhotite + Pyrite
213.3	215.2	Chloritic fractures and slips $\frac{1}{2}$ carbonate $\frac{1}{2}$ scaly. Pyrite, mainly @ 50-60° to C.A. in silicified metasediments; 5-10% / foot; cross-cut several quartz veinlets ($\frac{1}{2}$ minor Pyrrhotite) 0.2-1 cm wide @ 30° to C.A.

Diamond Drill Record

HOLE NO. M₄N 95-04

Feet		DESCRIPTION
FROM	TO	
215.2	224.2	<p>Approximately 15 quartz (+ Pyrrhotite + Pyrite) veinlets @ ^{0.2-1 cm width} 20-30° to C.A. cross-cut in part by another ^{later} set of about 12 chlorite - Pyrrhotite - Pyrite veinlets 0.1-0.3 cm wide with bleached (?), silicified alteration haloes (0.1-0.3 cm wide) @ 20-30° to C.A.; the first set is approximately parallel to schistosity; Trace to locally 2% sulphides (coverage ~1%); mafic minerals (palely silicification)</p> <p>215.4' - a couple. Pyrrhotite-chlorite-quartz veinlets, ≤ 1 mm wide @ 60-65° to C.A. (parallel to slips @ 213.3'), with minor Chalcopyrite cross-cut a quartz veinlet @ 25° to C.A.</p> <p>215.7' - irregular, 0.5-3 cm wide quartz vein @ 30-45° to C.A. with some sericite and small chlorite - Pyrrhotite patches and irregular veinlets, minor disseminated Pyrrhotite in quartz as well, which is sub-parallel to the quartz veinlet set @ 20-30° to C.A.</p> <p>222-224.2' - 2-3% irregular to ragged quartz veinlets (+ minor Pyrrhotite) 0.1-0.5 cm wide and small patches/gashes, @ 45-35° to C.A., partly cut by several chlorite - Pyrrhotite - Pyrite veinlets with alteration haloes, one of which is cross-cut and offset by fracture @ 50° to C.A. with chlorite - sericite - Pyrrhotite + carbonate and another @ 30° to C.A. near 222.7'; also near 224' (+/-) several chlorite ± Pyrite + Pyrrhotite veinlets (+ alteration haloes) @ 15-25° to C.A. (opposed to others above) cut</p>

Diamond Drill Record

HOLE No. MCN 95-04

FROM	To	DESCRIPTION
	ctd.	quartz veinlets/frags, and one chlorite veinlet is also invaded by a sericitic carbonate shear along its dip plane @ 25° to C.A. & it intersects tip of quartz below
2212	2248	Quartz vein patch along C.A. with minor sericite and very minor disseminated Pyrite; chlorite + sericite + bleb of pyrite at up-link tip of vein where intersected by chlorite/sericite veinlet/shear; quartz vein patch is ~ 1 cm thick (possibly part of quartz vein at 227.4'?) Plata sericite with a few ^{small} quartz (4-minor pyrrhotite) veinlets @ 0-10° to C.A., partly cut by several chlorite (4 pyrrhotite) veinlets 1 mm wide @ 10-0° to C.A. which have narrow alteration halos and are cut by ^{some} scattered 1 mm wide quartz + pyrrhotite 4 minor Chalcopyrite 4 Pyrite veinlets @ 50-60° to C.A.; several ^{4 pyrrhotite} chloritic structures/slips @ 125° and 50-60° to C.A.; the veinlets with narrow alteration halos also penetrate the quartz vein at 227.4'
2274	2289	Quartz vein @ 0-10° to C.A., maximum 6-8 cm thick, with irregular contacts; vein is cut by some pyrrhotite 4 Pyrite fracture fillings occasionally with minor Chalcopyrite, and sometimes associated with small chloritic patches; most fracture fillings @ 0-10° to C.A. and several @ 60-65° to C.A.
2283	234 1/2	2-3% quartz veinlets, 1-5 mm wide @ 45-60°, 15-35° D-5° to C.A., often with ^{epithermal} pyrrhotite 4 Pyrite, some with chlorite cores + silicified halos; 1-2% Pyrrhotite

Diamond Drill Record

HOLE No. MENS 95-04

Feet FROM TO	DESCRIPTION
chl.	± Pyrite; some patchy sericitic spotting
	230.1' - 2 cu wide quartz-epidote vein @ 40° to C.A. with silicified
	hole up to 1 cu wide; 30% epidote crystals in vein and 1-2% small blebs
	of Pyrrhotite in vein
	231.8' - fine to narrow, braided, sericitic shears over a 2 cu width @ 45-65° to C.A.
	233.1 - 233.8' - 25% patches of biotitic-chloritic, amphibolitic (?) material
234 1/2	336.5 1/2 ~ 25% patchy areas (+veinlets, buds) of very hard, lighter greenish grey to bleached silicification
	± epidotization-sericitic alteration in variably (<10-30°) schistose, chloritic-biotitic metasediments
	± sometimes in scattered amphibolitic bands and patches; some sericitic spotting in metasediments;
	2-5% (to locally 10%) irregular to wavy uniform veinlets and small patches of quartz
	± carbonate ± chlorite ± tremolite (± occasional epidote) 0.1-2 cu wide mainly,
	and often @ ~ 5-35° (4°) to C.A.; containing (± or in vicinity of) disseminated
	Pyrrhotite ± minor Chalcopyrite ± Pyrite, and also ragged blebs and veinlets;
	Some sulfides ± chlorite ± tremolite veinlets have bleached, silicified-epidotized
	haloes; < 1% to locally 2-3% sulfides; fracture/fault zone from ~ 252-269'
	with chlorite (± carbonate ± saley Pyrite) fractures/slips @ 50-65°, 20-35° mainly (4-8+
	/ foot) and (mechanically) broken core sections due to the fracturing
	235.3-237.2' - Chlorite-Pyrite ± carbonate fractures ± slips @ 60-75° mainly

Diamond Drill Record

HOLE No. McN 95-04

Feet	DESCRIPTION
FROM	TO
cld.	with a lens also at 25' and < 5' to C.A. above 236.5'; ~ 8' foot
	243.9 - 246' - ~ 20% chloritic +/- biotitic +/- tremolitic amphibolitic patches (1% epidote)
	in chloritic to silicified metasediments; rocks cut by and partly silicified by, 5-10%
	irregular quartz +/- tremolite - chlorite veining @ < 10 - 25° to C.A.; 2-3% (locally 10%)
	disseminated, ragged disseminated, blebs Pyrrhotite (some with Pyrite)
	in veining and host rocks
	246 - 252' - 5-10% quartz +/- chlorite +/- tremolite veining, ^{after} irregular, 0.1-2cm
	with 0-35° to C.A. mainly, with variable blebs, small patches, veinlets of chlorite
	tremolite (some with associated Pyrrhotite &/or Pyrite blebs, disseminated); some of the
	veining is cut by Pyrrhotite or Pyrite fracture fillings +/- minor (halopyrite with
	chlorite +/- carbonate, and also by slips / fractures (w/ sulfides); ~ 1-3% sulfides
	with mainly Pyrite below ~ 252'; some disseminated chlorite &/or sulfides
	in host rocks; 0.3' chloritized ^{biotite,} amphibolitic(?) band @ ~ 10-25° to C.A. (with several
	small metasediment inclusions and quartz veinlets) at ~ 254'
	256.4 - 256.9' - chloritized, biotitic amphibolitic band with contacts irregular @ 5-15°
	and ~ 50° to C.A. partly invaded by quartz veining, which also occurs along parts
	of contacts; several small metasedimentary inclusions; enclosing metasediments
	silicified; Pyrite fracture fillings cut veining and amphibolitic band

Diamond Drill Record

HOLE NO. 11CNGS-04

FROM	Foot	TO	DESCRIPTION
		257.5 - 264.7'	Numerous chloritic $\frac{1}{2}$ carbonate $\frac{1}{2}$ sericitic $\frac{1}{2}$ Pyrite fractures/slips and $\frac{1}{2}$ fracture fillings in broken core; some Pyrite over/low carbonate
			Fracture fillings; structures @ $\sim 15-80^\circ$ to C.A.; a few small vuggy fractures and small veinlets; rocks soft to very hard silicified; probably main portion of
			Fracture zone to $\sim 262.5'$; $< 1\%$ Pyrite; a few quartz veinlets
		$\sim 262.3'$ -	< 10 cm wide quartz vein in broken core with contacts @ 45° and $\sim 30^\circ$ to CH; vein contains some epidote crystals, a couple small pyrite blebs
			near down-hole contact; cut by sericitic + carbonate $\frac{1}{2}$ chlorite fractures, minor
			Pyrite; Fractures; near contacts wall rocks contain epidote, chlorite $\frac{1}{2}$ carbonate; chlorite + carbonate slips just above up-hole contact; hard rocks are silicified
			in contact zone $\frac{1}{2}$ quartz veinlets ($\frac{1}{2}$ minor Pyrite, Pyrrhotite)
		264.7 - 270.5	- some patchy silicification; $\sim 2\%$ irregular to uniform, small quartz veinlets ($\frac{1}{2}$ Pyrite $\frac{1}{2}$ Pyrrhotite); occasionally with tremolite-chlorite; few Pyrrhotite $\frac{1}{2}$ Chalcopyrite fractures; Chloritic ($\frac{1}{2}$ carbonate $\frac{1}{2}$ Pyrite) fractures
			$< 1\%$ soft ides; $\frac{1}{2}$ ^{silicified} biotite-chloritic amphibolitic band, 1-2 cm wide @ $< 10-20^\circ$ to C.A., cut and offset by some fine quartz (+ sericite?) $\frac{1}{2}$ Pyrrhotite-Chalcopyrite veinlets
			shears @ $20-80^\circ$ to C.A. below 270'
		270.5 - 271.8'	- $\sim 20\%$ quartz ($\frac{1}{2}$ Pyrrhotite) veining, 0.2-3 cm wide, along contacts and

Diamond Drill Record

HOLE No. Mc N 95-04

FROM	TO	DESCRIPTION
		and also within two, 0.3-0.5' wide, biotitic-chloritic-tremolitic amphibolitic bands @ ~35-45° to C.A., comprising about 65% of section; ~1% disseminated Pyrrhotite in host rocks and veining; several chlorite + carbonate + Pyrite fractures @ 10-35° to C.A. cut quartz and host rocks (amphibole + unclassified)
		271.9 - 275.8' - 5% quartz veinlets in inclusions with patchy silicification; veinlets 0.1-1 cm wide @ 0-20° to C.A., a few with chlorite-tremolite(?) cores;
		~1% disseminated Pyrrhotite in host rocks and quartz veinlets, along with a few fracture fillings of Pyrrhotite or Pyrite
		275.8 - 278.4' - 1% Pyrrhotite fracture fillings and small veinlets (~ quartz) with bleached/silicified halos @ <10-20° to C.A. and disseminated Pyrrhotite
		<u>278 - 286.5' (?)</u> - mainly silicified
		278 - 282.2' - ~2% Pyrrhotite (~ quartz) veinlets ^{1/8" sizes} <0.5-2 mm wide, often @ 15-25° to C.A., some @ ~70°(?) to C.A., a little disseminated Pyrrhotite; a few chlorite + Pyrite + carbonate slips @ 25-35°, 65-70° to C.A.; folded 1-2 cm wide quartz vein with 2% small blebs, disseminated Pyrrhotite (~ minor Chalcopyrite) near 281.4'
		282.2 - 283.5' - 10-20% angular, carbonate-quartz + chlorite breccia veinlets, occur in zones oriented @ ~30-40° to C.A. (sub-parallel to Pyrrhotite veinlets above, and
		disposed to quartz vein below); <1-3% Pyrrhotite blebs + small veinlets in breccia veinlets

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HOLE NO. McN 95-04

Feet	DESCRIPTION
FROM	TO
	283.5 - 284.3' - Quartz-carbonate vein with a 2-3 cm wide band of partly veined wall rock parallel to main, up-hole, vein contact @ ~25° to C.A.; down-hole vein contact sub-parallel @ 40-45° to C.A.; some chlorite-tremolite patches (pyrrhotite blebs) in vein; 1-2% disseminated Pyrrhotite (minor Chalcopyrite) + blebs.
	Pyrrhotite in veining; main vein branches both up-hole and down-hole.
	284.3 - 286.5' - 5% quartz + carbonate + chlorite-tremolite veinlets 0.2-1cm wide, @ 15-45° to C.A., 2% disseminated ^{blebs} pyrrhotite in and near veining, and some pyrrhotite-chlorite-tremolite veinlets ≤ 1-2 mm wide.
	286.5 - 271.5' - some patchy silicification; some patchy areas with sericitic spotting; Trace to locally 1% disseminated Pyrrhotite; few small quartz veinlets.
	291.5 - 305' (171) ~ 20% patchy silicification; 2-3% scattered, irregular to more uniform quartz + chlorite-tremolite veinlets 0.1-1cm wide @ 5-45° to C.A.; Trace to locally 3% disseminated, blebs + small veinlets Pyrrhotite in or near quartz veining; minor Chalcopyrite; 1-2% sulfides (average); 10% sections with 3-5% ^{small} sericitic spotting (some spots with disseminated Pyrrhotite in cores); two, 2-3 mm wide quartz-epidote-Pyrrhotite veinlets @ 35-40° to C.A. at 299.7'
	305 - 310.8' - 1-2% quartz + chlorite-tremolite veinlets ≤ 3 mm wide mainly,

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HOLE NO. 11CN 95-04

Feet	DESCRIPTION
FROM TO	
cfd.	<p>with disseminated and blebs Pyrrhotite to Pyrite; <1-5% Sericitic spotting (to silicification) some with disseminated Pyrrhotite for Pyrite in core. (Note: a few Pyrite cubes partly or completely replaced by Pyrrhotite); some patchy silicification; 1-2% sulfides overall</p> <p>310.8 - 313' (1/2) - similar to 305-310.8' with 25% schistose biotite-chloritic amphibolitic patches and bands @ ~15-25° to C.A., some cut for flooded by irregular quartz veining (to sulfides)</p> <p>313 - 321.8' - 40% (1/2) patchy (to veinlets) silicification; 10% irregular quartz to chlorite-tremolite to carbonate veining 1-6 cm wide @ 20-40° to C.A. with blebs, disseminated, veinlets of Pyrrhotite to Pyrite to minor Chalcopyrite (~60% veins from 315.5 - 316.7'); also 2-3% quartz-chlorite-tremolite veinlets 1-3 mm wide @ 15-60° to C.A. with Pyrrhotite to Pyrite to silicified-bleached haloes, and cut some of the larger quartz veins; 3-5% disseminated Pyrite to Pyrrhotite some associated with sericitic-siliceous spotting; ~3% sulfides overall; 3 mm wide epidote-quartz veinlet @ 50° to C.A. at 321.3', and epidote patches with blebs to Pyrrhotite blebs (minor Chalcopyrite) in quartz-sericite-chlorite veining near 321.5' (1/2)</p> <p>321.8 - 327.1' - 5-10% silicification, pyrrhotite veinlets and patches @ 5-50°</p>

Diamond Drill Record

HOLE NO. MN 95-04

Feet	DESCRIPTION
FROM	TO
	old.
	to C.A. (some with Pyrrhotite fracture fillings and disseminations), 2% quartz & chlorite - hematite(?) veinlets with silicified halos and some sulfides; some spotting (1/2 Pyrrhotite); ~ 1-2% sulfides overall
	327.1 - 327.4' - Sheared (dissociation) quartz - sericite - chlorite veins @ ~ 50' to C.A.; a few blebs of Pyrite; 1 slip with chlorite scaly Pyrite + some carbonate, parallel to zone; shear zone cuts partly bleached schistosity in partings @ 5-10' to C.A. up-hole from zone; a few sericitic streaks down-hole from zone.
	327.4 - 330.5 (T) - 1-2% quartz & chlorite veinlets (1/2 Pyrite, Pyrrhotite) some with bleached, siliceous halos; veinlets 1-3 mm wide @ ~ 5-60' to C.A.; chlorite + carbonate + scaly Pyrite fractures @ ~ 15-30', 45-60' to C.A.; 2-5'/foot; some spotting; < 1-3% disseminated Pyrite and Pyrrhotite; < 2% sulfides overall
	330.5 - 332.2' - 0.6 to 2' long patches, and a ~ 0.2' wide ^{central,} irregular band @ 10-20' to C.A. of biotite, chlorite amphibolitic schist, with quartz veinlet along up-hole contact of band @ 20' to C.A. and a chlorite-tremolite-quartz branching veinlet sub-parallel to and partly cutting down-hole contact of band; some Pyrrhotite - Pyrite in branching veinlets @ ~ 10-20' to C.A.
	332 - 334.6' - paler silicification; < 5% ragged quartz veinlets, one with

Diamond Drill Record

HOLE NO. M.N 95-01

FROM	Feet TO	DESCRIPTION
	4	
	336.8	
	385 ±	<p>chlorite-tremolite; minor Pyrite, Pyrrhotite</p> <p>Variously (weakly-strongly) schistose (as 25° to CA), biotitic chloritic metasediments with ~15% patchy, crude bands and small veinlets of ^{quartz} silicification parallel to ~10% irregular to ragged quartz veining and small ragged patches parallel to Sub-parallel to cross-cutting schistosity; quartz veining 0.2 to 2-3 cm wide mainly @ 0-40° to CA, some with small patches of epidote & chlorite-tremolite(?); <1-3% disseminated, blebs, veinlets and small clusters of Pyrrhotite &/or Pyrite (Minor Chalcopyrite) in veining and host rocks # also in an occasional epidote-quartz veinlet; ~5% biotitic, chloritic amphibolitic patches and bands, several ≤ 0.5' wide @ 15-30° to CA. mainly, sometimes biotite-rich, sometimes partly silicified and cut by quartz veinlets; also scattered throughout are small to</p>

Diamond Drill Record

HOLE No. MEN 95-04

Feet	DESCRIPTION
FROM TO	
cfd.	<p>locally common Pyrite overprinting sericitic alteration. veinlets &/or shears @ 20-70° to C.A.</p> <p>Some cored by quartz &/or carbonate</p> <p>367-376.1' - scattered ^{brownish} iron-carbonate + calcite (w/ quartz) veinlets/gashes < 1-3 mm wide, occasionally containing Pyrite, often sub-parallel @ 25-50° to C.A.</p> <p>but some also opposed @ 60-70° to C.A., appear to be a later feature since moderate pervasive ^{brn} carbonatization is superimposed on sericitic alteration halos, and carbonate veinlets cut quartz veining, sericitic veinlets, and silicified areas which are ^{also} partly carbonatized; strongest carbonatization and carbonate veining occurs between ~ 371-372' which also has been silicified, quartz veined, with some shearing @ 40-55° to C.A.</p> <p>mainly in sediments as above, with < 10% patchy (& bands of) silicification < 1% Pyrite, Pyrrhotite disseminations; ~ 1% quartz veinlets & some small patches scattered small sericitic shears/veinlets @ 20-75° to C.A.</p> <p>385-389.5' - 1-2% disseminated Pyrite</p> <p>393-394.3' - chloritic (w/ bitite) amphibolitic band with sub-parallel contacts @ 25° and 50° to C.A.</p> <p>401-405' = chloritic fractures w/ carbonate w/ Pyrite @ 15-30°, 40-50° to C.A.; 3-5' foot 405-412' - ~ 50% silicification</p> <p>415.6-416.6' (4') - partly silicified and quartz-veined to - flooded chloritic to</p>
385	422.2

Diamond Drill Record

HOLE NO. M2N 95-04

Feet		DESCRIPTION
FROM	TO	
	ctd.	biotitic, amphibolitic zone (schistose); 30% quartz veining / flooding
		419-421.8' - 10% patches, bands of biotitic, chloritic amphibolitic(?) schistose
		material; bands @ 10-30° to C.N.; often biotite-rich; some patchy silicification
422.2	429.5	~ 30% silicification, strongest on extremities of sections; ~ 3% quartz + chlorite + carbonate + epidote veining, 0.1-2 cm wide @ 20-70° to C.N.; 1% disseminated and fracture fillings of Pyrrhotite, Pyrite + minor
		chalcopyrite in section; extremities of section could be metabasalts(?)
		422.4-428' (42) - biotitic chloritic amphibolitic schist with irregular, ragged
		veining of silicification / flooding, cut by some, later quartz + carbonate
		+ chlorite + epidote veinlets
429.5	453.6	Strongly to moderately schistose @ < 5-15° to C.N. chloritic - biotitic + muscovitic(?)
		meta sediments; occasional silicification, some ^{small} sericitic streaks @ 40-60°
		to C.N., ~ 2% irregular to ragged quartz veinlets 0.2-1 cm wide @ 0-40° to C.N.
		and also small patches; ~ 2% disseminations, fracture fillings of Pyrrhotite,
		Pyrite + Chalcopyrite, some with sericitic veinlets, some associated with quartz
		veining; Pyrrhotite + ^{minor} Chalcopyrite + Pyrite in fractures (w. chlorite + sericite +
		carbonate) @ 50-60°, 70-80°, occasionally 30-35° to C.N. (< 1 to 4 feet, average 2 feet)
453.6	460.7 (+)	Less schistose; 10% (+) patchy silicification; < 1% disseminated, fractures with Pyrrhotite

Diamond Drill Record

HOLE No. MEN 95-04

	Feet	DESCRIPTION
FROM	TO	
	old.	
		454-457.1' - Ten, sub-parallel quartz veinlets, 0.2-0.4 cm wide @ 15-30° one intersecting with a < 1 cm wide veinlet @ 60° to C.A.; minor Pyrrhotite in veinlets.
		457-460.2' - several short sections with Pyrrhotite fracture fillings (small) may be crackle fracture fillings
		459.4-460.2' - biotite, chloritic, partly epidotized, amphibolitic(?) schist with sub-parallel contacts @ 35-40° and 25° to C.A.; schistosity parallel to contacts and also irregular @ 0-15° to C.A.; several irregular quartz & chlorite veinlets, gneiss parallel to, and cutting, schistosity; minor Pyrite
	460.7	4985'
		Fracture - Fault Zone - in variably schistose (weak to strong @ 10-15° to C.A.) chloritic, metasediments (+ some patchy silicification) and biotitic, chloritic amphibolitic schistose bands; sections of mechanically broken core due to chloritic fractures & slips (& carbonate & scaly Pyrite) @ 0-15°, 30-35°, 50-60° to C.A. (< 3-10' / foot); ≤ 1% disseminations and small fracture fillings of Pyrite & Pyrrhotite (the fracture fillings occur to 460.7'); a few quartz veinlets 1 to 4.8 - 4.6 cm' - some epidotization in amphibolitic band with sub-parallel contacts @ 15-0-5° to C.A. (up-hole fracture) and 25° to C.A. (down-hole); 5-10% irregular to ragged quartz veining

Diamond Drill Record

477.3

HOLE No. M₂N 95-04

Feet		DESCRIPTION
FROM	TO	
		467.5-470.4' - ~5% irregular carbonate (minor picket) 1/2 quartz veinelets/gashes @ 0-15° to C.A., occasionally with a little Pyrite; veinelets 0.2-1 cm wide
		470.4' - Fault seam in broken core; seam < 1 cm wide @ ~10-15° to C.H., probably parallel to some slips; small fragments in chloritic mud
		470.4-475' - zones of broken core; 2-3% irregular carbonate 1/2 quartz veinelets/gashes 50.1-0.3 cm wide @ 70-10° to C.A. in partly silicified meta-sediments from ~473-474.3'
		474.3 - 474.5' (1/2) - broken core with fault seams, probably @ ~10-20° to C.A.
		475.5 - 476.6' - amphibolitic band with parallel contacts @ ~20-25° to C.A. minor disseminated Pyrite; some epidotization, biotitic inclusions
		478-478.3 - two Chlorite 1/2 quartz 1/2 Pyrite veinelets 0.2-0.5 cm wide @ ~35° to C.A. (parallel to amphibolitic bands)
		478-479.6' - amphibolitic band @ ~35-45° to C.A.; several quartz veinelets 0.2-1 cm wide; < 1% Pyrite veinelets, disseminations, and Pyrrhotite disseminations; local silicification in part, some epidotization
		480.5' - often spotted (sericitic) from here down with 10-25% spots
		482-483 (1/2) - some visible bedding laminations @ 15-0° to C.A. parallel to schistosity

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HOLE No. MCN 95-04

Feet	DESCRIPTION	
FROM	TO	
486	489.3	5-10% quartz & chlorite & occasional epidote veinlets, irregular to wavy
		laminar @ $10-30^\circ$ to C.A. parallel to sub-parallel to schistosity @ $5-15^\circ$ to C.A.
489	496.4	Thin beds and laminations (thin spotted) somewhat sinuous @ $0-10^\circ$ to C.A. more or less parallel to schistosity
		489.5 - 496.6' - strongly chloritized ^{schistosity} amphibolitic band (dyke?) in up-hole contact
		curved from 25° to 30° to C.A. (partly a ^{small} fault seam), chloritic & carbonate
		fractures and slips @ $15-0^\circ$, some with quartz-carbonate veinlets; broken core
		up-hole contact appears to ^{partly truncated} cross-cut some bedding @ 10° to C.A. (partly dragged)
		down-hole contact irregular @ $20-40^\circ$ to C.A., opposed to up-hole contact
		490.6 - 494' - ^{sinuous} carbonate-chlorite fracture(s) @ $0-5^\circ$ to C.A. parallel to some bedding
496.4	499.3	Chloritic ($1/2$ biotite) tremolitic-actinolitic, amphibolitic band with biotite-rich margins
		contacts parallel, irregular @ $10-25^\circ$ to C.A., partly parallel to sinuous bedding
		but also opposed in part
498.3	733.3	META SEDIMENTS (SCHISTOSE) & SILICIFICATION & QUARTZ VEINING & AMPHIBOLITE BANDS
		Metasediments similar to previous unit, weakly to moderately strongly schistose
		@ $<10-35^\circ$ to C.A.; some visible thin beds and laminations parallel to sub-parallel
		to schistosity; often spotted (sericitic) with <5 to 25% spots; $15-20\%$ scattered

Diamond Drill Record

HOLE No. McN 95-04

FROM	TO	DESCRIPTION
		-est
	ctd.	<p>patchy (± bands, veinlets) silicification; Trace to locally 20% quartz veining (coverage < 10%) and some quartz-epidote-chlorite-tremolite veining, @ 0-65° to C.A., ragged to more uniform, parallel to sub-parallel to cutting schistosity; Trace to locally 2-3% disseminated Pyrite, Pyrrhotite in / near by quartz veining or silicification, as well some small veinlets or fracture fillings with Pyrite, Pyrrhotite & occasional minor Chalcopyrite; ~1% sulfides overall; also some late fractures (± quartz ± sericite) with Pyrite &/or Pyrrhotite & Chalcopyrite, and chlorite ± carbonate ± scaly Pyrite fractures/slips;</p> <p>Several fracture/fault zones</p>
~508	~520.5	<p>Sections with ~2-3%, fairly uniform, 0.2-0.5 cm wide quartz veinlets & gas</p> <p>@ 30-60° to C.A., some anastomosing, but often sub-parallel @ ~30-45° to C.A.</p>
520.2	533	<p>Fractures ± slips zone plus chloritic mud seams; a few quartz ± carbonate ± chlorite veinlets; chloritic fractures ± carbonate ± scaly Pyrite @ 0-15°, 45-65° to C.A. (3-5' / foot), parts with mechanically broken core.</p> <p>~526.5' - chloritic mud seam on slip @ 15° to C.A.</p>
534.2	542	<p>10-15% patchy silicification; 1% (±) fine chloritic (± quartz) fracture fillings @ 20-70°</p>

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HOLE NO. HCN 95-04

Feet	FROM TO	DESCRIPTION
		<p>to C.A. ^{small} cracks are locally "crackle"-type; fracture fillings often contain Pyrrhotite $\frac{1}{2}$ minor Chloropyrite $\frac{1}{2}$ Pyrite; a few quartz veinlets @ 60-65° to C.A., 2-5 mm wide;</p>
		<p>539.2' - quartz-epidote-chlorite veinlet, 0.2-2 cm wide @ ~50° to C.A. with disseminated, slabs of Pyrrhotite, Pyrite, partly offset by fracture</p>
		<p>541.8' carbonate-epidote-quartz veinlet, 1.5 cm wide @ 45° to C.A.</p>
		<p>546.7' 30% quartz-epidote $\frac{1}{2}$ chlorite veining @ ~60-75° to C.A.; patchy silicification; minor Pyrrhotite</p>
		<p>547.2' 547.7' Silicification plus sheared quartz-epidote $\frac{1}{2}$ sericite $\frac{1}{2}$ chlorite veining @ ~35-45° to C.A., < 1% disseminated Pyrrhotite, Pyrite; cut by a 0.3 cm wide quartz-epidote-pyrite veinlet @ 65° to C.A.</p>
		<p>547.8' 548.4' Irregular, 0.3-1 cm wide quartz veinlet @ low angles to C.A. with minor disseminated Pyrrhotite-Chalcopyrite, cut by fine sericitic shears @ ~20° to C.A.</p>
		<p>549' 564.9' 510% patchy silicification, 1-2% quartz veinlets @ 10-60° to C.A., \leq 1% disseminated, and fractures ($\frac{1}{2}$-quartz) with Pyrrhotite $\frac{1}{2}$ Chalcopyrite $\frac{1}{2}$ Pyrite @ 65-80° to C.A.</p>
		<p>564.9' 566.8' Chloritic ($\frac{1}{2}$-quartz $\frac{1}{2}$ Pyrrhotite-Pyrite) fine fracture fillings/shears @ \leq 15-30° to C.A. plus some parallel to sub-parallel small gashes/veinlets of quartz $\frac{1}{2}$ or carbonate; 1% sulfides</p>

Diamond Drill Record

HOLE NO. McN 95-04

Feet		DESCRIPTION
FROM	TO	
566.6	573.6	~50% patchy ^{veining} silicification, 5% (t) quartz +/- epidote (or epidotization) +/- chlorite veining 0.2-2 cm wide @ 30-45° to C.A. (often parallel), which intersect with some epidote alteration veinlets @ 10-50° to C.A.; < 1% disseminated Pyrrhotite +/- minor Chalcopyrite +/- Pyrite in/wear quartz veinlets
573.6	581 (A)	Fracture / fault zone; chloritic fractures/slips (1/2 carbonate +/- scaly Pyrite) @ 30-60°, 30-35°, 70-80°, occasionally < 5° to C.A. (4-8/foot); minor Pyrite irregular ~579.2-579.8 - Brecciated by numerous anastomosing chloritic veinlets < 2 mm wide
581	591	50% patchy silicification, 5% (t) quartz veinlets, more uniform to ragged @ 25-35° to C.A., some opposed @ 5-15° to C.A., 0.2-0.5 cm wide mainly; 2% disseminated Pyrrhotite, Pyrite in/wear by quartz veinlets, some in fireclayitic fracture fillings / crackle fracture fillings in several areas; a few iron-carbonate and calcite veinlets, 1 mm wide, with narrow carbonate veins/cross-cut other features 581.1-583.3 - ~15% quartz-epidote-chlorite-tremolite veins/bands up to ~0.3' wide @ 40-50°, 20-30° to C.A. (mainly parallel to sub-parallel to other quartz veinlets), some cut by carbonate veinlets near 581.3; some disseminated Pyrite 588.2-589.7' - more schistose (+ laminations?) @ ~25° to C.A. with ragged quartz veinlets parallel to schistosity mainly, and a 2-3 cm wide quartz-epidote vein at

Diamond Drill Record

HOLE No. Mc N 95-04

Feet		DESCRIPTION
FROM	TO	
		lower end of section
591	594.5	2-3% quartz veinlets and vags @ 15-25° to C.A. mainly parallel to schistosity a few opposed; also bleaching/silicification veinlets and haloes @ 15-25°, 0-5° to C.A., most intense between 593-595'; <1% Pyrite disseminations; a few iron-carbonate + carbonate veinlets 1 mm wide with carbonated haloes @ 55-65°, 5-10° to C.A. cut other features
594.5	605	Schistosity and some bedding laminations @ 20-30° to C.A.; sericitic fractures + slips + carbonate + Pyrite @ 60-70° to "600' (3-4/foot); chloritic fractures/slips + carbonate + scaly Pyrite @ 20-35° to C.A. (parallel to schistosity and bedding) and @ 50-60° to C.A. (2-5/foot); 600.1-601.5' - ≈10% quartz (4% disseminated Pyrite) parallel to, and cutting schistosity / bedding; 1% Pyrite ≈10% quartz (one with chlorite + carbonate?) veining @ 40-50° to C.A. sub-parallel to schistosity; 1% disseminated Pyrite Fracture / fault zone in metasediments with schistosity and a few laminations @ 230-35° to C.A.; chloritic fractures/slips (4% carbonate + scaly Pyrite) @ 25-35°, 10-15°, 50°, 75° to C.A. (2-6/foot); also sericitic fractures/slips 1/2 carbonate + Pyrite (some with epidote-sericite haloes) @ 50-60°, 30-40° to C.A.
605	606.8	
611.7	621	

Diamond Drill Record

HOLE No. MCM 95-04

Feet FROM 10	DESCRIPTION
old	Fein scattered quartz veinlets; minor disseminated Pyrite (Trace to locally 1/2%)
	~ 617.4' - sections with mechanically broken core + lost (3) core
	~ 617.5 - 618 - chloritic, sericitic fracture (minor Pyrite grains) @ 15° to C.A. with 1-2 cm wide siliceous, epidotized, sericitic halo, n parallel to fault seam
	shales
	~ 618' - ~ 2 cm wide ^{late} fault breccia seam along chloritic sericitic fracture (minor disseminated Pyrite) @ 30° to C.A. with similar alteration halo as 617.5'
	Fracture; fault breccia contains small angular well fragments (some altered) in a chloritic matrix; some carbonate also in matrix, and occurs down hole
	from breccia seam as a few ^{small} veinlets (1/2 quartz 1/2 Pyrite, minor Chalcopyrite) in broken core
	in broken core
621	~ 1-2% disseminated Pyrite in metasediments and some ^{scattered} quartz veinlets
626.5	621.9 - 623.9' - three bands, 0.3-0.4' wide @ ~ 35-50° to C.A. with quartz-epidote (epidolization) + chlorite (some tremolite?) + silicification 1/4 - disseminated Pyrite, irregular foliation in bands, more or less parallel to contacts; intervening zones with ragged to more uniform branching quartz veinlets
	624.6 - 626.3' - bedding and schistosity @ ~ 10-20° to C.A.

Diamond Drill Record

HOLE No. MEN 95-04

Feet	TO	DESCRIPTION
FROM	TO	
626.5	615.4	Some patchy silicification; 1% quartz veinlets (occasionally with epidote-chlorite) @ 20-75' to C.A.; <1% disseminated Pyrite; schistosity @ $20^{\circ}-40^{\circ}$ to C.A. <small>dark greenish Amphibolitic band</small> @ ~20-25' to C.A. <small>subparallel to schistosity</small> biotite rich near up-hole contacts; band is partly epidotized, minor disseminated Pyrite; down hole contact area is sheared with chlorite, epidote, and rags of quartz; also a quartz veinlet on lower contact with some branches sub-perpendicular;
648.4	647	1-2% ^{quartz} quartz veinlets and rags in schistose metasediments; Trace to 1% disseminated Pyrite. (~1% down to ~652').
647	656.5	647.9-648.5' - quartz-epidote-chlorite band @ 30-35' to C.A. with bleaching or silicification of host rocks near contacts; Minor disseminated Pyrite in band; contacts ~parallel to amphibolitic band above 650.4' - 3' wide quartz-chlorite vein @ ~35-45'; ragged up-hole contact; 2% disseminated (some cubes) Pyrite plus a little Chalcopyrite Metasediments; schistosity @ ~10-25' to C.A.; 5-10% patchy (bands & anastomosing veinlets of) silicification; ~5% quartz veinlets ^{& garnets} 0.2-1' wide usually; off core @ 50-60' to C.A. some @ 5-20' to C.A.; a few with epidote-chlorite; about 10 bands, 0.1-0.6' wide, @ ~40-60' to C.A. with silicification and quartz-epidote-chlorite veins; Trace to 2% (average ~1%) disseminated Pyrite (occasional
656.5	639.5	

Diamond Drill Record

HOLE NO. Mc N 95-04

FROM	TO	DESCRIPTION
	old.	pyrrhotite in and near veining
		6895 - chloritic fractures 1/2 carbonate @ 50-75, 20-25° to C.A.; 1-5' part; 686.5-687.5 (1/4) broken & some lost core
		chloritic slips / fractures (1/2 carbonate 1/2 pyrite) @ 0-15° to C.A.; broken core, some lost core; a few low angle quartz gashes/lenses
		chloritic slugs / fractures @ 5-15° to C.A.; some with pyrite or carbonate; a few @ 55-60° to C.A. (1/2 pyrite, carbonate); some broken core
701	713	Fractures @ 10-15° to C.A. ~ parallel to schistosity; minor quartz veinlets Mainly minor disseminated pyrite, pyrrhotite; silicified along amphibolite band; chloritic (w/ pyrite 1/2 carbonate) slips / fractures @ 55-60, 70-80°, 20° to C.A. 708-710 - 25% irregular, ragged to more uniform quartz veinlets/gashes chloritic @ 30-45° to C.A.; some emanating from a couple of 0.5-1cm wide quartz veinlets with chlorite-tremolite cores @ 60-75° to C.A.; 1/2 disseminated pyrrhotite
713	716.4	Amphibolite band with contacts parallel and somewhat sinuous @ 0-15° to C.A.; amphibolite is schistose & parallel to contacts (which are sub-parallel to bedding up-hole) tremolite-actinolitic, chloritic with 10% small biotite books, soft to hard (partly silicified, epidotized along up-hole contact); minor pyrite 914-714.7' - 0.5-1cm wide quartz veinlet(s) @ 15° to C.A. parallel to a chloritic slip which is parallel to up-hole contact of amphibolite

Diamond Drill Record

HOLE No. M-11 95-C4

Feet	FROM	TO	DESCRIPTION
			711.3 - 712.1' (1') - silicified, meta-sedimentary inclusion \leq 1.5 cm wide @ 5-10° to C.A.; bleached along contacts
			716.4' - 717.3' - meta-sediment with a few ⁽⁴⁾ wide quartz veinlet with smooth to ragged irregular contacts @ ~20° (T/S) to C.A. (sub-parallel to contact at 716.3')
			717.3' - broken core
			713 - 720.4' Amphibolitic band similar to 713', with parallel contacts @ 30° and ~25° to C.A.; cut by a few small quartz veinlets; up-hole contact ragged; this band could be part of up-hole band(?); partly silicified
			720.4 - 733.3' Schistose, bititic, chloritic meta-sediments with schistosity @ ~10-20° to C.A.; bedding and laminations visible from ~725-731' @ 0°-15° to C.A., sub-parallel to parallel schistosity; 1% scattered quartz veinlets/gashes. 0.1-0.5 cm wide @ 0-15° 20-30°, 40-50°, 70° to C.A. parallel to sub-parallel to to cross-cutting schistosity/bedding; Trace to locally 1% disseminated Pyroxene $\frac{1}{2}$ or Pyrite in host rocks and in some quartz veinlets; Chloritic fractures/slips ($\frac{1}{2}$ Pyrite $\frac{1}{2}$ carbonate) @ 60-70°, 45-50° to C.A. (< 1/foot to 5/foot); about ten tremolite-actinolite-chlorite veinlets 1-2 mm wide @ 70-80°, occasionally 15-25° to C.A., with silicified (occasionally with epidotization) haloes 0.2-1 cm wide (occasionally several cm wide) and most occur between ~721-725'

Diamond Drill Record

HOLE No. HC N 95-04

Feet		DESCRIPTION
FROM	TO	
		730-733' - Chloritic Fractures/slips (1/2 Pyrite 1/2 carbonate) @ 60-70°, 50° to C.A.; 4-6' foot; schistosity @ ~20° to C.A. from about 731', disappearing at ~733' where metasediments become silicified & cut by a few quartz to carbonate veinlets/gashes, 1-2 mm wide @ ~5-10° to C.A., which in turn are cut and partly offset along some fine quartz veining epidotized veinlets or shears @ 60-75° to C.A. to 733.3' a short, 0-10' carbonate-quartz-chlorite veinlet cuts some epidote veinlets near 733.2'
		733.3 1/4' - some chlorite spotting
		733.3 1/2' - contact placed in area of strong epidotized shearing, brecciation and veinlets. in silicified, epidotized, fine grained ^(called) probable Nipissing gabbro
		NIPISSING GABBRO
7333*	950	Dark to medium greenish greys, chilled and very fine grained to ~734.4' becoming fine to medium grained (1-4 mm) to locally coarse grained; diabasic to sub-ophitic; ~60-80% dark green to black pyroxenes, ~20-40% plagioclase, greyish-white with ~25% sections of pale greenish (saussuritized) to partly epidotized feldspar; non-magnetic with weakly-moderately magnetic sections with <1% to locally 2-3% ^(avg ~1%) disseminated magnetite from ~736' to ~798'; minor sporadic disseminated Pyrrhotite

Diamond Drill Record

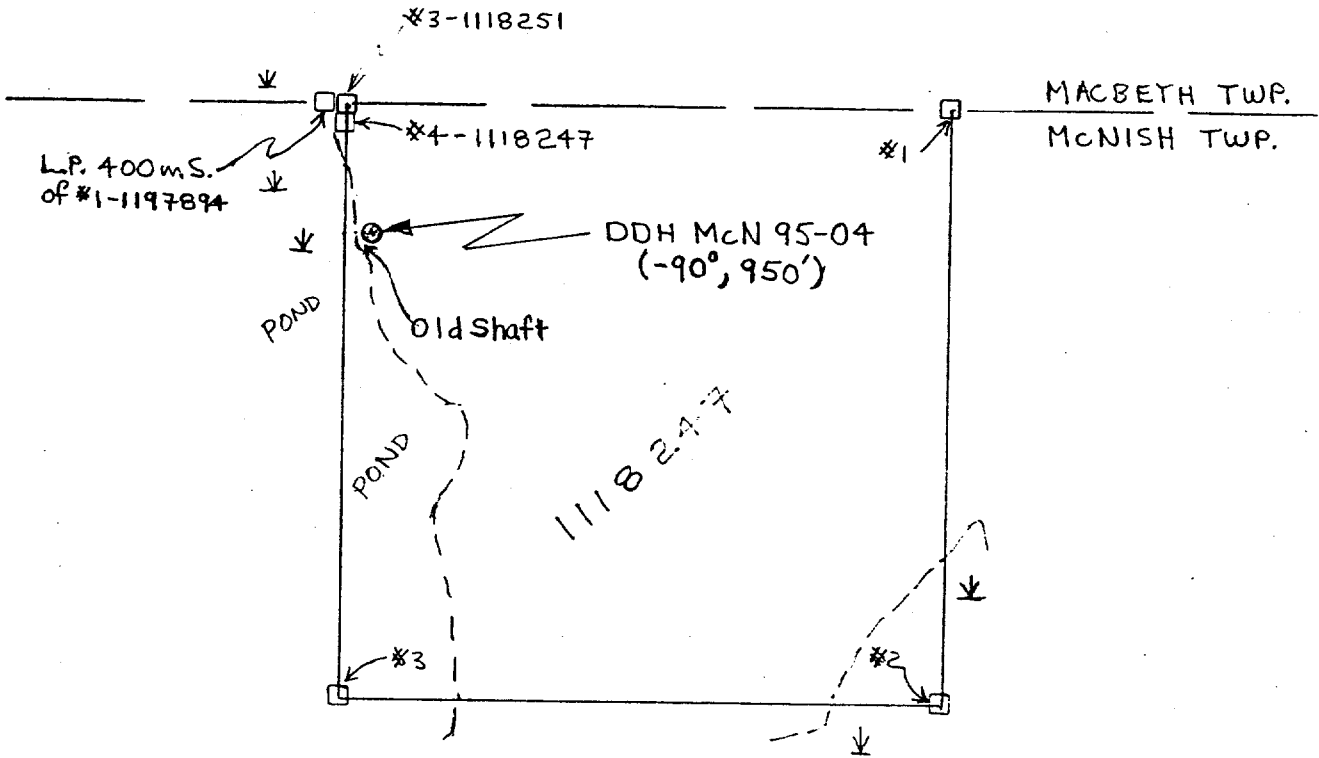
HOLE No. MEN 95-04

Feet		DESCRIPTION
FROM	TO	
		f/or Chalcopyrite f/or Pyrite; occasionally in small fracture fillings; ricks are hard to moderately hard; chloritic (± carbonate) fractures ± slips @ 70-90°, 25-35°, 0-10°, 50-60° to C.A. (<1/5 feet to 5+ feet); some small epidote alteration veinlets 0.2-0.3 cm wide
7334	7334 1/2	Fault breccia seams (in locally broken core); epidotized small angular fragments in chloritic matrix; seams probably @ ~70°(A) to C.A.
7335	733.6	Numerous, anastomosing/branching epidotized fine shears/veinlets @ ~60-65° 0-15° to C.A. which cut and offset a low angle quartz ± epidote veinlet ~2 mm wide; the epidote shears/veinlets branch down-hole as a 0-15° (to C.A.) zone ≤ 2 cm wide, partly brecciating the drilled host rock to about 734.2'; minor Chalcopyrite disseminations in veinlets; host rocks hard, partly epidotized and medium greenish grey to ~734.4' where it becomes dark greenish grey. Fine grained (1 mm ±) Chloritic slips (± carbonate) @ 15° to C.A. intersect with chlorite-carbonate fracture @ ~10° to C.A., two carbonate fracture fillings @ ~50° to C.A. (some Pyrite) and two quartz-epidote veinlets @ 35° to C.A.
734.2	734.7	< 4 cm wide meta-sedimentary? inclusion @ 15° to C.A.; light grey, fine grained, hard, pervasively carbonated, silicified, partly epidotized; carbonate-chlorite veinlets along
734.7		

Diamond Drill Record

HOLE NO. MCN 95-04

Feet FROM TO	DESCRIPTION
	and below up-hole contact; epidotized feldspars in gabbro above and below inclusion
793.8 797.4	Chloritic ^{fine} seams / fractures @ mainly 70-80° to C.A.; 4-8/foot; chloritic pyroxenes
838.5 840	Chloritic fractures (4-carbonate) @ 15-20°, 5°, 70-80° to C.A.; 6 1/2 foot
885 890 895 923	Chloritic fractures / slips mainly @ 60-70° to C.A.; 6-10 / foot Pyroxite-chalcopyrite fracture @ 85° to C.A. Chloritic fractures +/- slips (4-carbonate) @ 0-15°, 50-60°, 25-35° to C.A., < 1 / foot to 4 / foot; 2 1/8 / foot near 915' (locally)
923 926.5	Chloritic fractures +/- slips (4-carbonate) @ 35-45°, 55-65°, some with a little dull and leucite; 2 1/2 / foot
950	END OF HOLE
	Frank H. Toews, B.Sc. Geologist
	COMPLETION OF LOG: MARCH 29 195



FLAG RESOURCES (1985) LTD.

Charron Option

McNISH TOWNSHIP
Claim No. 1118247

LOCATION SKETCH
D.D.H. McN 95-04

Scale - 1:5000

0 100m

0 200ft

Mar./95
FHT

Azi. ~270°

GOWGANDA FORMATION
 Conglomerate, Quartzites,
 Silicified, +/- Po, Py, Cp
 METASEDIMENTS & silicification
 AMPHIBOLITE
 METASEDIMENTS
 METASEDIMENTS - Schistose
 +/- Spotting +/- Quartz Veins
 +/- Po, Py

ARCHEAN

SCHISTOSE
 METASEDIMENTS -
 METAVOLCANICS(?)
 +/- Quartz veining
 +/- Py, Po, Cp

AMPHIBOLITE

AMPHIBOLITE

AMPHIBOLITE BANDS

AMPHIBOLITE

AMPHIBOLITE

NIPISSING GABBRO

Fractured

Fractured + Mud Seam

Brecciation in Fracture Zone

Fault (Mud Seam)

950'

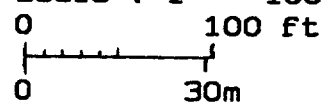
FLAG RESOURCES (1985) LTD.

Charron Option

McNISH TOWNSHIP
Claim No. 1118247

SECTION THROUGH
D.D.H. McN 95-04

Scale : 1" = 100 ft



Mar./95
FHI

Diamond Drill Record

Hole No. **McN 95-05**
 Claim No. **1118237**

Map Reference No. **G-2909**
 Claim Map
 Location **McNish Twp,
 ~17m @ 170° from collar
 of DDH McN 95-03**

Total Footage **500'**
 Drilling of hole from true North
 310'

Collar Elevation **~1 m above
 McN 95-03**
 Dip of Hole **-60°**
 Core size **Ba**

Logged by **Frank H. Toews BSc**
 Date Completed **March 30/95**
 Date Hole Started **March 29/95**

Company **FLAG RESOURCES (1985) LTD.**
 Drilling Company **Eraua Mines Ltd., Lively, Ontario**



030

FROM	TO	DESCRIPTION
0	13'	CASING - core from about 6'
13'	41.5'	METASEDIMENTS (WACKES) - SCHISTOSE +/- SILICIFICATION Five grained, dark grey-greenish grey, chloritic-biotitic, non-magnetic (except for Pyrrhotite), variably (weakly-moderately) schistose @ ~15-25° to C.A., very hard to moderately soft, with ~20% patchy areas with ~5-20% lighter bluish-greenish grey spotting and veinlets (sericitic-chloritic?); patchy silicification; minor disseminated Pyrrhotite A few quartz (+/- chlorite +/- Pyrrhotite +/- Chalcopyrite +/- Pyrite) veinlets, 2-5 mm wide @ 35°, 50-60° to C.A. below ~23' Fractures oxidized to ~22'
7	31	Fracture / slip zone - chloritic +/- carbonate +/- scaly Pyrite @ 30-40°, 50-60°, 70-75°, 15-20° to C.A.; 2-8 / foot
31	41.5	Fractures / slips - < 1-3 / foot

Diamond Drill Record

HOLE NO. McN 95-05

Feet FROM TO	DESCRIPTION
41.5	Silicified near contact with dyke; contact @ ~65-70° to C.A. opposed to schistosity up-hole @ ~25° to C.A.; Fracture + scaly Pyrite ~ along contact; Disseminated Pyrrhotite along part of contact
41.5 61.8 1/2	DIABASE DYKE Resembles dyke in D.D.H. McN 95-03 Very soft, very dark, fine grained, chloritic-biotitic marginal zones (± quartz veinlets) up to 0.9' long, becoming medium grained, dark greenish greys) chloritic, moderately hard to moderately soft, often with zones of numerous, ^{ragged,} anastomosing, biotitic-chloritic, veinlets/shears @ ~5-60° to C.A. 0.1-1 cm wide, which locally brecciate the diabase; Some small patches of felsic segregations 0.5-2 cm size in central parts; Trace to locally 1% (Avg. < 2%) disseminated Pyrrhotite ± Chalcopyrite ± Pyrite; 2% quartz ± epidote ± chlorite veinlets (irregular to ragged to more uniform, 0.1-1 cm wide @ ~15-70° to C.A., some cut by shear-veinlets) with disseminated, blebs or veinlets of Pyrrhotite ± Pyrite ± Chalcopyrite; ~1-2% (+) Sulfides overall; dyke is partly weakly magnetic due to Pyrrhotite and possibly some magnetite(?); a few Pyrite ±/or Pyrrhotite fracture fillings present

Diamond Drill Record

HOLE No. McN 95-05

Feet		DESCRIPTION
FROM	TO	
	ctd.	Some chloritic fractures/slips (1/2 Pyrite) @ 15-25°, 50-65° to C.A.
	45.5 (2)	Possibly small, chloritic-biotitic Sudbury Breccia veinlets @ 60-65° to C.A. with a ragged parallel quartz-sulfide-chlorite veinlet parallel and partly cut by (2) breccia or vice-versa(?);
60.4	61 1/2	Partly silicified cut by biotitic-chloritic shears, and ^{some} small irregular quartz-epidote 1/2 sulfide veinlets which may be later than shears; <5% sulfides
61.4	61.8 +	Contact between dark, soft, fine grained, biotitic-chloritic zone and silicified metasediments (down-hole) @ ~15° to C.A.; brecciated ^{along contact} by quartz 1/2-epidote veinlets (some ribbon-type) parallel to sub-parallel to contact over a 1-2cm width branching @ 0-5° into silicified, adjacent metasediments from ~61.3-61.9; ~5-10% Pyrrhotite + Pyrite 1/2-Chalcopyrite in/near veining; some ^{irregular} veinlets up-hole from contact also
61.8	155.8 (2)	METASEDIMENTS (SCHISTOSE) 1/2 SILICIFICATION 1/2-QUARTZ VEINING + LOCAL SUDBURY-TYPE BRECCIA + AMPHIBOLITIC BAND (DYKE)
		Metasediments are fine grained, moderately hard to soft, dark greenish greys to dark greys, chloritic-biotitic, schistose with variable schistosity (weak to moderate to locally strong) @ ~15-30° to C.A. parallel to occasionally visible bedding; often spotted with 1-5 mm. sized, generally soft lighter bluish to greenish grey;

Diamond Drill Record

HOLE NO. MCN 95-05

Feet		DESCRIPTION
FROM	TO	
	ctd.	sericitic-chloritic (?) alteration spotting and anastomosing veinlets and bands @ 15-70° to C.A. (some also silicified) locally intense; some patchy silicification w/ 2% scattered quartz + chlorite veinlets 0.2-1cm wide mainly, irregular to patchy to uniform @ 0-60° to C.A., some parallel to schistosity, others cut schistosity and some Sudbury Breccia; quartz veins generally ^{with} minor Pyrrhotite + Pyrite or can be barren; a few areas with sericitic-epidote alteration veinlets (< 5mm) often with fine carbonate veinlet + scaley Pyrite at core @ ~10° to C.A., opposed to schistosity and also cut some Sudbury Breccia; minor disseminated Pyrrhotite (magnetic) + Pyrite ~40% dark grey, very fine grained Sudbury Breccia veining < 1cm to < 2' wide from ~ 88' to 98.5', some show flow lines, some partly silicified; clasts in matrix are rounded to sub-rounded, metasedimentary and some quartz (+ disseminated Pyrrhotite ^{+ chlorite} / or Pyrite) and vary from < 1mm to several cms in size; breccia veins are irregular @ 20°-60° to C.A.;
		Rocks generally fractured + slips with chlorite + carbonate + scaley Pyrite @ mainly 25-45°, 55-65° < 10-15° to C.A. and cut all other features; < 1 to 8/foot (average ~ 2-3/foot); sections with mechanically broken core
		Rocks are non-magnetic except for Pyrrhotite

Diamond Drill Record

HOLE NO. MCN 95-06

Feet		DESCRIPTION
FROM	TO	
61.9	63.7	Several quartz-chlorite veins and patchy veins / silicification ~ 2 cm +/- wide @ 40°, 30° to C.A. (± sub-parallel to schistosity near 62') with disseminated Pyrrhotite +/- Chalcopyrite or Pyrite (2% sulfides overall); two veins cut schistosity in fine grained bitite-chlorite rich sections @ ≤ 15° to C.A. (opposed to contact from 61.4-61.8' above)
74		Some bedding @ 15° to C.A., parallel to schistosity
86.3		3-4 mm wide Pyrite-chlorite veinlet @ 30-35° to C.A. parallel to schistosity
103.7	105.	Folding, paralleled by and cut by ^{10%} irregular quartz +/- chlorite veining 0.2 to several cm wide; a little Pyrite in chloritic +/- carbonate fractures and minor disseminated Pyrrhotite in veining; silicification up-hole for ~ 2'
105	148.7	Schistosity @ ~ 25° (+/- 5°) to C.A. along with some bedding, a few quartz veins
		138.7 - 144' - ~ 10% greenish sericitic (+ carbonatization) halos @ 0.5 - 1.5 cm wide about 1 mm wide cores of iron-carbonate (occasionally calcite) veinlets mainly @ ~ 30° to C.A., cross-cutting schistosity and some bedding @ ~ 20-25° to C.A.; and near 139.3' the iron-carbonate veinlets occasionally ^{cross-} penetrate a 2 cm wide quartz lense enveloped by sericitic breccia/shear @ ~ 35° to C.A.

Diamond Drill Record

HOLE No. MCN 95-05

Feet		DESCRIPTION
FROM	TO	
145.5		Two irregular quartz veins, <1-2cm wide, with chlorite +/- epidote + a little disseminated Pyrrhotite + Pyrite, intersect @ 30 ± 50° to C.A., the former ~ parallel to schistosity; weak epidotization/silicification near vein
146.5		Irregular, ≤ 3cm wide quartz + epidote vein @ ~ 25° to C.A. (parallel to schistosity) with a little disseminated Pyrrhotite and an epidotized/silicified halo.
148.7	149.5	Dark greenish-grey soft, schistose amphibolitic band @ 20-25° to C.A. parallel to schistosity of metasediments; band is cut by irregular quartz gashes ≤ 1cm wide; silicification +/- quartz veinlets occurs in metasediments to ~ 150.2'
155.8	157.4	Contact in broken core
155.8	162.4	METASEDIMENTS - SHEARED
		Fine grained, biotitic-chloritic, dark greys, with shearing and schistosity @ ~ 50-60° to C.A.; numerous biotitic-chloritic shears locally intense; rocks appear cataclastic in part; 5% irregular to ragged quartz veinlets/gashes parallel to cutting schistosity;
		0.2-2cm wide. Minor Pyrrhotite in one veinlet
		162'(±) - irregular contact, some quartz veining

Diamond Drill Record

HOLE NO. MCN 95-05

Feet		DESCRIPTION
FROM	TO	
162	409.8	METASEDIMENTS (SCHISTOSE) +/- QUARTZ VEININGS +/- AMPHIBOLITIC BANDS (OR DYKES?) Similar to previous unit above 155.8' (in general) Schistosity +/- bedding/laminations variable @ ~60° decreasing to ~10° to 25° to C.A. Generally < 1-2% quartz veining, most < 1cm wide Minor sulfides in/near quartz veining Fractures +/- slips as before, in sections between ~162 - 233' and ~269 - 305' Several scattered amphibolitic bands between ~243.5 - 365', soft dark to medium greenish greys, schistose; contacts mainly parallel to schistosity Schistosity @ 60° decreasing through 45° to ~15° by ~165', then often < 10-15° parallel to sub-parallel some bedding 192-196-10% (?) carbonatized, sericitic haloes cored by iron-carbonate veinlets, anastomosing @ 10-35° to C.A. Biotitic, chloritic amphibolitic dyke with sub-parallel contacts @ ~45° (upper) and ~15° to C.A.; < 10% irregular quartz veining; up-hole contact opposed to bedding near 241'; iron-carbonate veinlet (2mm) +/- disseminated pyrite, with carbonatized, sericitic halo 2cm wide @ 55° to C.A., sub-parallel to contact
162		
1		
243.5	245.5	

Diamond Drill Record

HOLE NO. McN 95-05

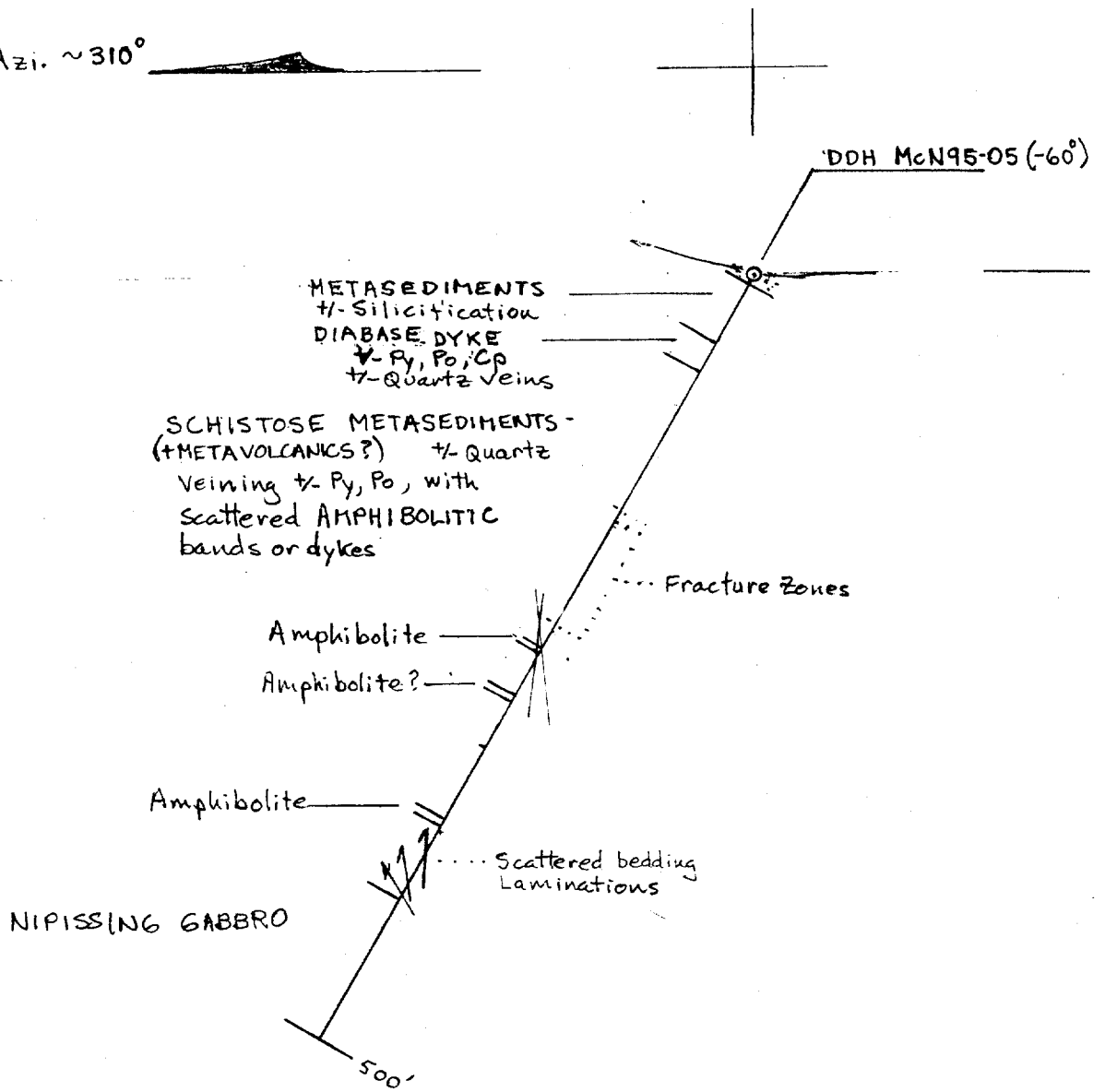
Feet		DESCRIPTION
FROM	TO	
		ctd. at 243.5'; 10-15% irregular quartz + chlorite veining in dyke
273	274.2	5-10% quartz veining brecciates metasediments ~ 1% Pyrite
274.2	276.2	Amphibolitic band, contacts in broken core, 2% quartz veinlets + Pyrite
276.2	324.3	Schistosity \neq bedding / laminations @ $\sim 20^\circ$ to $< 10^\circ$ to C.A.
324.3	325.7	$< 10\%$ quartz veining in metasediments and amphibolitic dyke; upper contact irregular lower @ $\sim 35^\circ$ to C.A. opposed to bedding below @ $15-20^\circ$ to C.A.
335	362.4	Five to medium grained ($\leq 1\text{mm}$) schistose metasediments (pyroclastics?) with 2-3% scattered quartz lenses 0.2-2 cm in length more or less parallel to schistosity which is @ $5-10-15^\circ$ (+/-) to C.A., occasional small quartz veinlet cross-cutting schistosity;
357	360.5	Amphibolitic dyke (3) with ^{0.5'} inclusion of material similar to previous section; outer dyke contacts @ $\approx 10^\circ$ and 25° to C.A. (parallel to schistosity of the area)
360	383.4	Metasediments with beds and laminations @ $\sim 25^\circ$ to 40° to C.A. parallel to sub-parallel to schistosity 1 -
		363.8 - 365.4 - quartz-chlorite veining, silicification @ $\sim 20-60^\circ$ to C.A.
		370' - 0.4' amphibolitic band @ $\sim 40^\circ$ to C.A.

Diamond Drill Record

HOLE No. HCN 95-06

Feet		DESCRIPTION
FROM	TO	
283 1/2	409.8 1/2	Meta-sediments with bedding and schistosity @ ~30-45° to CA, 5-10% bleaching alteration along and across bedding, 2% quartz veinlets +/- chlorite +/- occasionally muscovite, veinlets cut bedding mainly @ 0-60°; splashed Pyrrhotite in quartz veinlet near 408.8
		409.8 contact in broken core
409.8 1/2	500	NIPissing @ 880 Dark to medium greenish greys; fine to medium grained, diabasic to sub-ophitic Rocks ^{generally} magnetic from 1-3' with 1-3% magnetite disseminations; minor sulfide ^{harder} 409.8 - 411 - soft chloritic, chilled fine grained becoming medium grained 413.8 - 415.2 - 5% carbonate-quartz veinlets with epidote-chlorite - +/- iron carbonate alteration haloes @ 60-70° to CA, one veinlet 5 mm wide with minor Chalcopyrite
500		END OF HOLE
		Frank H. Toews Geologist
		COMPLETION OF LOG: APRIL 5 195

Azi. ~310°



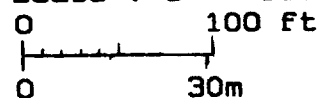
FLAG RESOURCES (1985) LTD.

Charron Option

McNISH TOWNSHIP
Claim No. 1118237

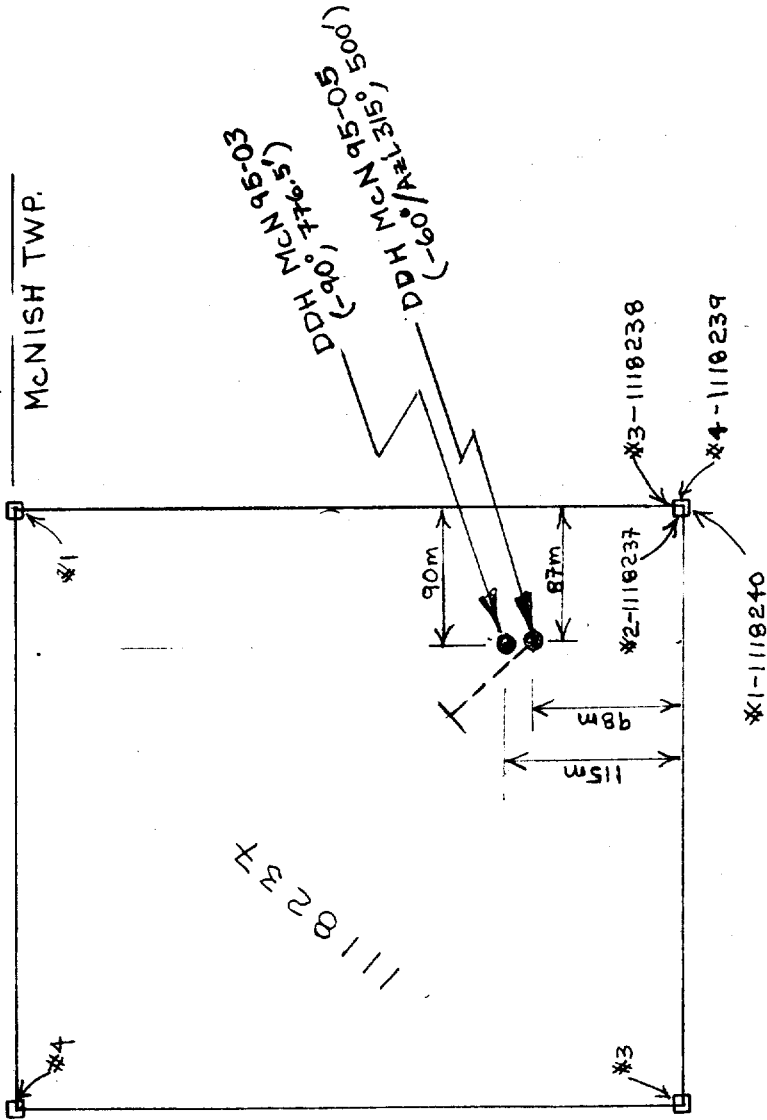
SECTION THROUGH
D.D.H. McN 95-05

Scale : 1" = 100 ft



Mar./95
FHT

MACBETH TWP.
McNISH TWP.



FLAG RESOURCES (1985) LTD.

Charron Option

McNISH TOWNSHIP

Claim No. 1118237

LOCATION SKETCH

D.D.H. McN 95-03 & 95-05

Scale - 1:5000

0 100m

Mar./95

FHT

0 200ft



Report of Work Conducted After Recording Claim

Assessment Files
Transaction Number
W9570.00039

Ontario

Mining Act

Personal information collected on this form is obtained under the authority of the Mi this collection should be directed to the Provincial Manager, Mining Lands, Mink Sudbury, Ontario, P3E 8A5, telephone (705) 870-7284.



41116SW0001 W9570.00039 MCNISH

900

- Instructions:
- Please type or print and submit in duplicate.
 - Refer to the Mining Act and Regulations for requirements of filing assessment work or consult the Mining Recorder.
 - A separate copy of this form must be completed for each Work Group.
 - Technical reports and maps must accompany this form in duplicate.
 - A sketch, showing the claims the work is assigned to, must accompany this form.

Recorded Holder(s) REGINALD J. CHARRON	Client No. 117274
Address 950 SUEZ DRIVE, HANMER, ONTARIO	Telephone No. 705-969-2445
Mining Division SUDBURY	Township/Area MCNISH/MACBETH
M or G Plan No. G-2909/G-2908	
Dates Work Performed From: JANUARY 17/95 To: MARCH 30/95	

Work Performed (Check One Work Group Only)

Work Group	Type
Geotechnical Survey	
Physical Work, Including Drilling <input checked="" type="checkbox"/>	DIAMOND DRILLING
Rehabilitation	
Other Authorized Work	SECTION 18 ONLY
Assays	
Assignment from Reserve	

Total Assessment Work Claimed on the Attached Statement of Costs \$ **51,607.40**

Note: The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)

Name	Address
ERANA MINES LTD. (Drill Contractor)	106 FIELDING ROAD, LIVELY, ONTARIO
FRANK H. TOEWS (Geologist)	HWY. 537, RR#3 SUDBURY, ONTARIO P3E4N1

(attach a schedule if necessary)

Certification of Beneficial Interest * See Note No. 1 on reverse side

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	Date MAY 15/95	Recorded Holder or Agent (Signature) <i>Reginald J. Charron</i>
--	--------------------------	--

Certification of Work Report

I certify that I have a personal knowledge of the facts set forth in this Work report, having performed the work or witnessed same during and/or after its completion and annexed report is true.		
Name and Address of Person Certifying FRANK H. TOEWS, HWY. 537, RR#3 SUDBURY, ONTARIO P3E4N1		
Telephone No. (705) 694-4828	Date MAY 15/95	Certified By (Signature) <i>Frank H. Toews</i>

For Office Use Only

Total Value Cr. Recorded Applied \$ 2900.00 Reserved \$ 48,807.00	Date Recorded MAY 15, 1995	Mining Recorder <i>[Signature]</i>	SUDBURY MINING DIV. RECEIVED MAY 15 1995: A.M. P.M. ? 1 8 9 10 11 12 1 1 2 3 4 5 6
	Deemed Approval Date AUGUST 13/95	Date Approved AUGUST 29/95	
	Date Notice for Amendments Sent JULY 14, 1995		

3110mH

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units
	1118237	1
	1118247*	1
	1118239	1
	1118241	1
	1118242	1
	1118243	1
	1118251	1
	1118252	1
Total Number of Claims		8

Value of Assessment Work Done on this Claim	Value Applied to this Claim	Total Value Work Done	Total Value Work Applied
31,441.13	0		
29,166.27	400.00		
	400.00		
	400.00		
	400.00		
	400.00		
	400.00		
	400.00		
	400.00		
Total Value Work Done		51,607.40	2,800.00

Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date	Total Assigned From	Total Reserve
1,200.00	30,241.00		
12,000.00	18,566.00		
Total Assigned From		2,400.00	48,807.00

Credits you are claiming in this report may be cut back. In order to minimize the adverse effects of such deletions, please indicate from which claims you wish to prioritize the deletion of credits. Please mark (✓) one of the following:

- Credits are to be cut back starting with the claim listed last, working backwards.
- Credits are to be cut back equally over all claims contained in this report of work.
- * Credits are to be cut back as prioritized on the attached appendix.
PLEASE TAKE FROM RESERVES FIRST

In the event that you have not specified your choice of priority, option one will be implemented.

Note 1: Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims.

Note 2: If work has been performed on patented or leased land, please complete the following:

I certify that the recorded holder had a beneficial interest in the patented or leased land at the time the work was performed.	Signature	Date
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Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des mines

**Statement of Costs
for Assessment Credit**

**État des coûts aux fins
du crédit d'évaluation**

Mining Act/Loi sur les mines

Transaction No./N° de transaction
W9570.00039

Personal information collected on this form is obtained under the authority of the **Mining Act**. This information will be used to maintain a record and ongoing status of the mining claim(s). Questions about this collection should be directed to the Provincial Manager, Minings Lands, Ministry of Northern Development and Mines, 4th Floor, 159 Cedar Street, Sudbury, Ontario P3E 6A5, telephone (705) 670-7264.

Les renseignements personnels contenus dans la présente formule sont recueillis en vertu de la **Loi sur les mines** et serviront à tenir à jour un registre des concessions minières. Adresser toute question sur la collecte de ces renseignements au chef provincial des terrains miniers, ministère du Développement du Nord et des Mines, 159, rue Cedar, 4^e étage, Sudbury (Ontario) P3E 6A5, téléphone (705) 670-7264.

1. Direct Costs/Coûts directs

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre		
	Field Supervision Supervision sur le terrain		
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert- consell	Type Drill Contractor	37,943.65	
	Geologist	3,300.00	
			41,243.65
Supplies Used Fournitures utilisées	Type Drill Shack Materials	1,713.99	
	Geologist { Office & Field Exp.	48.53	
			1,762.52
Equipment Rental Location de matériel	Type		
Total Direct Costs Total des coûts directs			43,006.17

2. Indirect Costs/Coûts indirects

** Note: When claiming Rehabilitation work Indirect costs are not allowable as assessment work.
Pour le remboursement des travaux de réhabilitation, les coûts indirects ne sont pas admissibles en tant que travaux d'évaluation.

Type	Description	Amount Montant	Totals Total global
Transportation Transport	Type Road-Geologist	341.40	
			341.40
Food and Lodging Nourriture et hébergement			
Mobilization and Demobilization Mobilisation et démobilisation	Mobilization Only	10,110.21	10,110.21
Sub Total of Indirect Costs Total partiel des coûts indirects			10,451.61
Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)			8,601.23
Total Value of Assessment Credit (Total of Direct and Allowable indirect costs)		Valeur totale du crédit d'évaluation (Total des coûts directs et indirects admissibles)	51,607.40

Note: The recorded holder will be required to verify expenditures claimed in this statement of costs within 30 days of a request for verification. If verification is not made, the Minister may reject for assessment work all or part of the assessment work submitted.

Note : Le titulaire enregistré sera tenu de vérifier les dépenses demandées dans le présent état des coûts dans les 30 jours suivant une demande à cet effet. Si la vérification n'est pas effectuée, le ministre peut rejeter tout ou une partie des travaux d'évaluation présentés.

Filing Discounts

1. Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.
2. Work filed three, four or five years after completion is claimed at 50% of the above Total Value of Assessment Credit. See calculations below:

Total Value of Assessment Credit	Total Assessment Claimed
	× 0.50 =

Remises pour dépôt

1. Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.
2. Les travaux déposés trois, quatre ou cinq ans après leur achèvement sont remboursés à 50 % de la valeur totale du crédit d'évaluation susmentionné. Voir les calculs ci-dessous.

Valeur totale du crédit d'évaluation	Évaluation totale demandée
	× 0,50 =

Certification Verifying Statement of Costs

I hereby certify:
that the amounts shown are as accurate as possible and these costs were incurred while conducting assessment work on the lands shown on the accompanying Report of Work form.

that as Frank H. Toews I am authorized
(Recorded Holder, Agent, Position in Company)
Reginald J. Charon
to make this certification

Attestation de l'état des coûts

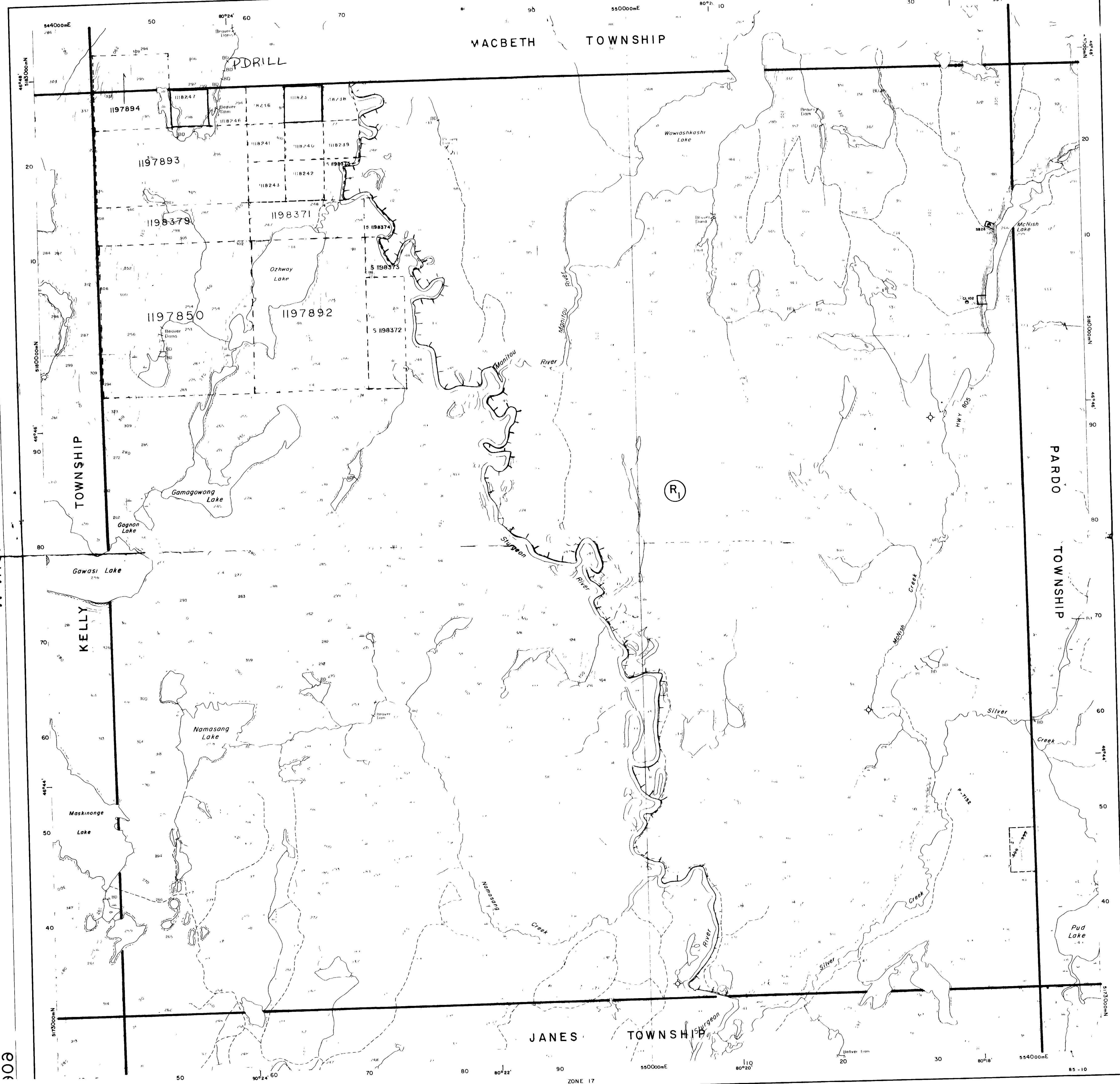
J'atteste par la présente :
que les montants indiqués sont le plus exact possible et que ces dépenses ont été engagées pour effectuer les travaux d'évaluation sur les terrains indiqués dans la formule de rapport de travail ci-joint.

Et qu'à titre de _____ je suis autorisé
(titulaire enregistré, représentant, poste occupé dans la compagnie)

à faire cette attestation.

Signature <u>Frank H. Toews</u>	Date <u>MAY 15/95</u>
------------------------------------	--------------------------

Reginald J. Charon

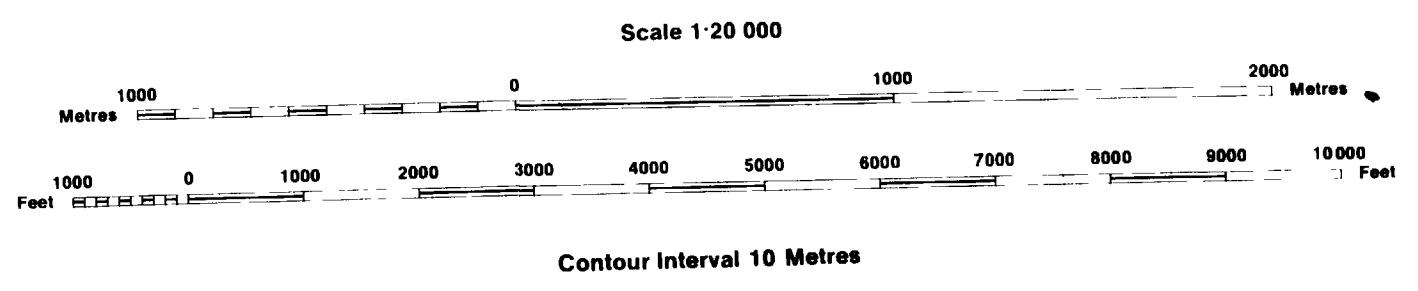


INDEX TO LAND DISPOSITION

PLAN G-2909 TOWNSHIP McNISH

DATE OF ISSUANCE 27 1995

M.N.R. ADMINISTRATIVE DISTRICT NORTH BAY MINING DIVISION SUDBURY LAND TITLES/REGISTRY DIVISION SUDBURY



AREAS WITHDRAWN FROM DISPOSITION

MRO - Mining Rights Only
SRO - Surface Rights Only
M + S - Mining and Surface Rights

Description	Order No	Date	Disposition	File
SEC 36/80	W-190	29/03/90	MRS	
O.M. 01/90 NER effective April 3, 1990 at 7:00 AM EST				

NOTES

Subdivision of this township into lots and concessions was annulled on December 11th, 1953.

SYMBOLS

Boundary	—
Township, Meridian, Baseline	—
Road allowance, surveyed	—
shoreline	—
Lot/Concession, surveyed	—
unsurveyed	—
Parcel, surveyed	—
unsurveyed	—
Right-of-way, road	—
railway	—
utility	—
Reservation	—
Chff., Pd., Pile	—
Contour	—
Interpolated	—
Approximate	—
Depression	—
Control point (horizontal)	—
Flooded land	—
Mine head frame	—
Pipeline (above ground)	—
Railway, single track	—
double track	—
abandoned	—
Road, highway, county, township	—
access	—
trail, bush	—
Shoreline (original)	—
Transmission line	—
Wooded area	—

DISPOSITION OF CROWN LANDS

Patent	—
Surface & Mining Rights	—
Surface Rights Only	—
Mining Rights Only	—
Lease	—
Surface & Mining Rights	—
Surface Rights Only	—
Mining Rights Only	—
Licence of Occupation	—
Order-in-Council	—
Cancelled	—
Reservation	—
Sand & Gravel	—
LAND USE PERMIT	—

"THIS MAP SHOWS THE APPROXIMATE LOCATION OF THE BOUNDARIES OF THE AREA WHICH IS THE SUBJECT OF CURRENT LITIGATION. THE EXACT LOCATION WILL BE SHOWN FOLLOWING CONFIRMATION BY THE PARTIES TO THE ACTION"

THIS CLAIM MAP IS SUBJECT TO REVISION WITHOUT NOTICE THE LAND STATUS WITHIN THE AREAS WITHDRAWN FROM STAKING IS BEING REVIEWED AND MAY CHANGE PRIOR TO BEING REOPENED TO STAKING PLEASE CONSULT THE MINING RECORDER FOR MORE INFORMATION

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES AND ACCURACY IS NOT GUARANTEED THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER MINISTRY OF NORTHERN DEVELOPMENT AND MINES FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON

The disposition of land, location of lot fabric and parcel boundaries on this index was compiled for administrative purposes only