DIAMOND DRILLING

Area: Rowan Lake

Report No: 39

WORK PERFORMED FOR: Falconbridge Limited

RECORDED HOLDER: SAME AS ABOVE [x]

: OTHER [ ]

CLAIM NO.	HOLE NO.	FOOTAGE	DATE	NOTE
K 810772	WA-1	501'	Dec/85	(1)
	WA-2	300'	Dec/85	(1)
	2	801'		

NOTES: (1) #245-85

FALCONBRIDGE NICKEL MINES LIMITED

DIAMOND DRILL RECORD

LOCATION 3+09N; 2+10E DIRECTION 201° DIP -45° HOLE No. WA-1

LOGGED BY I.R. Morrison CASING 4 feet SHEET No. 1

STARTED December 4, 1985 CORE SIZE I BQ CORRECTED TESTS 8'=45°

FINISHED December 8, 1985 120'=42.5° 220'=42.5° 320'=41° 420'=38°

PROPERTY Wampum Property, Rowan Lake Area, Kenora (PN 516) 501'=35°

FROM (feet)	TO		Summary Log DESCRIPTION
0.0	4.0	4.0	CASING
4.0	23.1	19.1	MAFIC TUFF
23.1	24.0	0.9	VOLCANOGENIC SEDIMENT - Carb vein, py
24.0	65.0	41.0	MAFIC FLOWS
65.0	74.0	9.0	MAFIC-INTERMEDIATE TUFF
74.0	87.9	13.9	MAFIC FLOW
87.9	110.0	22.1	ALBITIZED ZONE (FELDSPAR PORPHYRY?) QV's, VG
110.0	157.3	47.3	MAFIC FLOWS
157.3	166.7	9.4	INTERMEDIATE-FELSIC TUFF
166.7	239.0	72.3	MAFIC FLOWS
239.0	242.5	3.5	MAFIC-INTERMEDIATE TUFF
242.5	246.2	3.7	MAFIC FLOW
246.2	249.2	3.0	MAFIC-INTERMEDIATE TUFF
249.2	268.3	19.1	MAFIC FLOW
268.3	276.7	8.4	MAFIC-INTERMEDIATE TUFF
276.7	295.4	18.7	MAFIC FLOW
295.4	305.4	10.0	MAFIC-INTERMEDIATE TUFF
305.4	317.6	12.2	MAFIC FLOW
317.6	320.3	2.7	MAFIC INTERMEDIATE TUFF
320.3	329.5	9.2	MAFIC FLOW
329.5	333.7	4.2	MAFIC-INTERMEDIATE TUFF
333.7	335.8	2.1	MAFIC FLOW

FALCONBRIDGE NICKEL MINES LIMITED

DIAMOND DRILL RECORD

LOCATION_____ DIRECTION_____ DIP_____ HOLE No. WA-1

LOGGED BY_____ CASING_____ SHEET No. 2

STARTED_____ CORE SIZE_____ CORRECTED TESTS_____

FINISHED_____

PROPERTY Wampum Property, Rowan Lake Area, Kenora (PN 516)

FROM (feet)	TO		Summary Log DESCRIPTION
335.8	340.2	4.4	MAFIC-INTERMEDIATE TUFF
340.2	385.4	45.2	MAFIC FLOW
385.4	423.2	37.8	MAFIC-INTERMEDIATE TUFF
423.2	428.4	5.2	INTERMEDIATE-FELSIC TUFF
428.4	443.1	14.7	MAFIC TUFF
			Sheared, cataclastics - incl. 3-12° Q.V. - Wampum South Zone
443.1	454.5	11.4	METASEDIMENTS
			Greywacke, siltstone
454.5	468.4	13.9	INTERMEDIATE-FELSIC CRYSTAL TUFF
			Includes 6' granitic dyke
468.4	501.0	32.6	GABBRO
	501.0		END OF HOLE
			Contractor: Ultra Mobile Diamond Drilling Limited, Surrey, British Columbia
			Core is being stored on the property.

17 Dec 85

FALCONBRIDGE NICKEL MINES LIMITED

DIAMOND DRILL RECORD

LOCATION 3+09N; 2+10E DIRECTION 201° DIP -45° HOLE No. WA-1

LOGGED BY I.R. Morrison CASING 4 feet SHEET No. 1

STARTED December 4, 1985 CORE SIZE I BQ CORRECTED TESTS 8'=45°

FINISHED December 8, 1985 120'=42.5° 220'=42.5° 320'=41° 420'=38°

PROPERTY Wampum Property, Rowan Lake Area, Kenora (PN 516) 501'=35°

FROM (feet)	TO		DESCRIPTION
0.0	4.0		CASING
4.0	23.1	19.1	INTERMEDIATE-MAFIC TUFF - mottled grey green colour - poorly developed layering, occasional lapilli sized and larger mafic fragment visible - trace f.g. pyrite throughout with minor pyrite veinlet and several 1/4"-1/2" pyrite clasts? - weakly carbonated in part - blocky jointing 4'-10'
23.1	24.0	0.9	VOLCANOGENIC SEDIMENT - reworked f.g. tuffaceous sediment - well layered, graded bedding? - unit grades downhole from fg mafic clastic to cherty phase (tops downhole?) - CA 20° - 3-4 ¼" parallel dark grey carbonate veinlets within 1½" band plus minor boudinaged quartz veins - f.g. pyrite in thin veinlets, dissem. and occasional coarse grained clot - trace overall
24.0	65.0	41.0	MAFIC FLOWS - massive dark grey green tholeitic unit - probable flow contact established at 48.5' - upper flow grades from fine grained to medium grained downhole - lower flow fine grained throughout

FALCONBRIDGE NICKEL MINES LIMITED

DIAMOND DRILL RECORD

LOCATION_____ DIRECTION_____ DIP_____ HOLE No. WA-1

LOGGED BY_____ CASING_____ SHEET No. 2

STARTED_____ CORE SIZE_____ CORRECTED TESTS_____

FINISHED_____

PROPERTY Wampum Property, Rowan Lake Area, Kenora (PN 516)

FROM (feet)	TO		DESCRIPTION
			- fine grained phase pervasively carbonatized with calcite patches and discontinuous veinlets (1/4"-1" wide) - coarser phase relatively unaltered - pyrite nil to trace throughout with local accumulations in veinlets especially associated with calcite veinlets - 38.1-38.5 Chlorite calcite vein healed fault? - minor pyrite - 50.0 ½" ptygmatic calcite (qtz) vein - 59.0 ½" ptygmatic calcite (qtz) vein - 60.0-62.0 minor warping with undulation back and forth across C.A.
65.0	74.0	9.0	INTERMEDIATE - MAFIC TUFF - mottled grey green unit as above but layering, fragments indistinct - moderate to strongly carbonatized as patches and veinlets - minor ptygmatic qtz-carb veinlets - pyrite as trace fine grained disseminations and occas. c.g. clot - lineation 15°-18° to C.A.
74.0	87.9	13.9	MAFIC FLOW - med. grey green fine grained massive unit - incipient pillow selvege development - pervasive strong carbonatization with hairline veinlets of calcite

FALCONBRIDGE NICKEL MINES LIMITED

DIAMOND DRILL RECORD

LOCATION_____ DIRECTION_____ DIP_____ HOLE No. WA-1

LOGGED BY_____ CASING_____ SHEET No. 3

STARTED_____ CORE SIZE_____ CORRECTED TESTS_____

FINISHED_____

PROPERTY Wampum Property, Rowan Lake Area, Kenora (PN 516)

FROM (feet)	TO		DESCRIPTION
87.9	110.0	22.1	ALBITIZED ZONE (FELDSPAR PORPHYRY?) - indistinct gradational contacts - either alteration zone or dyke with wallrock alteration - feldspars anhedral, variable in density from light spotting at margins to very dense distribution (greater than 60% of unit) - downhole transition zone slightly more mafic than other - 88.5 2" q.v. - clear/milky with c.g. pyrite blebs and veinlets along contacts - 90.6-91.5 - clear/milky with c.g. pyrite blebs and veinlets along contacts, v.g. 1 speck - 92.4-92.6 - clear/milky with c.g. pyrite blebs and veinlets along contacts - 96.9-97.1 - clear/milky with c.g. pyrite blebs and veinlets along contacts - 105.7 - clear/milky with c.g. pyrite blebs and veinlets along contacts, 1/2" wide - larger quartz veins show narrow 1/2" ribbon qtz-albite "feeder" veins - ½% - 1% f.g. pyrite disseminated throughout unit with local coarse accumulations up to 5% adjacent q.v. contacts. - 97.7-102.1 Most felsic zone (feldspar porphyry dyke?)

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DIAMOND DRILL RECORD

LOCATION_____ DIRECTION_____ DIP_____ HOLE No. WA-1

LOGGED BY_____ CASING_____ SHEET No. 4

STARTED_____ CORE SIZE_____ CORRECTED TESTS_____

FINISHED_____

PROPERTY Wampum Property, Rowan Lake Area, Kenora (PN 516)

FROM (feet)	TO		DESCRIPTION
110.0	157.3	47.3	MAFIC FLOW - fine to medium grained, massive, medium grey green - indistinct layering possibly in part tuffaceous origin - strongly carbonatized as calcite veinlets and pervasive patches - f.g. dissem. pyrite in nil to trace amounts - 110.0-125.5 Strong magnetic attraction although no visible difference between magnetic and nonmagnetic phases - 153.0-157.3 weak to moderately albitized increasing towards contact - includes minor quartz-albite veinlets - carb alteration disappears in albitized zone.
157.3	166.7	9.4	INTERMEDIATE-FELSIC TUFF - fine grained layered unit light grey-green - sulphide mineralization nil to trace with exception of below - variable carbonatization between layers - more mafic layers feature patches of secondary albite development - unit may have acted as preferred conduit for solutions resulting in albitization of itself and wallrock -163.0 6" qtz albite vein with minor pyrite-tourmaline? accumulation along vein contacts - 164.25 7" qtz albite vein with minor pyrite tourmaline? accumulation along vein contacts

FALCONBRIDGE NICKEL MINES LIMITED

DIAMOND DRILL RECORD

LOCATION_____ DIRECTION_____ DIP_____ HOLE No. WA-1

LOGGED BY_____ CASING_____ SHEET No. 5

STARTED_____ CORE SIZE_____ CORRECTED TESTS_____

FINISHED_____

PROPERTY Wampum Property, Rowan Lake Area, Kenora (PN 516)

FROM (feet)	TO		DESCRIPTION
166.7	239.0	72.3	MAFIC FLOWS -fine (-medium) grained, medium grey-green massive tholeitic flows - possible flow contacts at 183.5, 201.5 - pervasive carbonatization as veinlets and disseminated patches - generally the fine grained phases more highly carbonatized - sulphides as f.g. dissem. cubic pyrite in trace amounts 166.7-169.4 weak albitization, non-magnetic 169.4-183.5 Mod-strongly magnetic (single flow?) 196.2 small fractured zone with local pyrite accumulation 201.0 small fractured zone with local pyrite accumulation 201.2-223.5 mod-strongly magnetic 228.5-237.0 weak-mod magnetic
239.0	242.5	3.5	MAFIC-INTERMEDIATE TUFF - f.g. medium grey-green tuff - poor to weakly layered - variably carbonatized - trace f.g. dissem. pyrite
242.5	246.2	3.7	MAFIC FLOW - f.g. massive tholeitic flow in part brecciated - carbonatized as veinlets and patches - trace pyrite assoc. with calcite veinlets
246.2	249.2	3.0	MAFIC-INTERMEDIATE TUFF - poorly layered with narrow well layered cherty zones - weakly to non carbonated

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DIAMOND DRILL RECORD

LOCATION_____ DIRECTION_____ DIP_____ HOLE No. WA-1

LOGGED BY_____ CASING_____ SHEET No. 6

STARTED_____ CORE SIZE_____ CORRECTED TESTS_____

FINISHED_____

PROPERTY Wampum Property, Rowan Lake Area, Kenora (PN 516)

FROM (feet)	TO		DESCRIPTION
			- v. minor quartz-albite and calcite veinlets
			- trace pyrite with minor accumulations associated with cherty zone
249.2	268.3	19.1	MAFIC FLOW
			- medium grey green fine grained tholeitic flow
			- patchy carbonatization, generally in 1/4" veinlets
			- pyrite nil to trace
			250.0-254.0 weak to mod magnetic
			256.3-257.0 Narrow coarse tuff breccia zone
268.3	276.7	8.4	MAFIC-INTERMEDIATE TUFF
			- poorly to mod. well layered, patchy carbonatization
			- pyrite nil-tr, minor qtz veinlets
			271.9-273.3 f.g. msv tholeitic unit, flow or inclusion? carbonatized, non mineralized
276.7	295.4	18.7	MAFIC FLOW
			- fine to medium grained massive tholeitic flow
			- non to weakly carbonatized - several calcite veinlets
			- patchy magnetics
			- pyrite nil to trace
295.4	305.4	10.0	MAFIC-INTERMEDIATE TUFF
			- medium to dark green moderately well developed layering
			- generally fine grained with zones of coarse angular clasts up to 2" in diameter of variable composition from mafic to cherty
			- clasts flattened 5:1

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DIAMOND DRILL RECORD

LOCATION_____ DIRECTION_____ DIP_____ HOLE No. WA-1

LOGGED BY_____ CASING_____ SHEET No. 7

STARTED_____ CORE SIZE_____ CORRECTED TESTS_____

FINISHED_____

PROPERTY Wampum Property, Rowan Lake Area, Kenora (PN 516)

FROM (feet)	TO		DESCRIPTION
			- variably carbonatized from weak to strong
			- several 1/2" calcite veinlets
			- trace pyrite
			299.0 4" qtz-calcite-chlorite vein
			301.0 12" qtz-calcite-chlorite vein system including 50% wallrock inclus.
			304.2 3" qtz-calcite-chlorite vein
305.4	317.6	12.2	MAFIC FLOW
			- as described above
			- strongly carbonatized, minor qtz and calcite veinlets - py - nil - trace
			305.4-307.8 flow breccia? with minor tuff
317.6	320.3	2.7	MAFIC-INTERMEDIATE TUFF
			- well developed layering
			- variably carbonatized
			- trace (-1/2%) f.g. dissem. pyrite
320.3	329.5	9.2	MAFIC FLOW
			- f.g. massive tholeite
			- patchy carbonatization - frequent calcite veinlets
			- pyrite nil-tr
329.5	333.7	4.2	MAFIC-INTERMEDIATE TUFF
			- moderately well developed layering
			- several qtz eyes noted in more felsic band

FALCONBRIDGE NICKEL MINES LIMITED

DIAMOND DRILL RECORD

LOCATION_____ DIRECTION_____ DIP_____ HOLE No. WA-1

LOGGED BY_____ CASING_____ SHEET No. 8

STARTED_____ CORE SIZE_____ CORRECTED TESTS_____

FINISHED_____

PROPERTY Wampum Property, Rowan Lake Area, Kenora (PN 516)

FROM (feet)	TO		DESCRIPTION
			- carbonate alteration limited to patches and veinlets
			- py - nil
333.7	335.8	2.1	MAFIC FLOW
			- fine grained massive as above
			- several 1/2" qtz-calcite veinlets (Ptygmatic)
			- py - nil
335.8	340.2	4.4	MAFIC-INTERMEDIATE TUFF
			- fine to medium grained, dark grey green
			- poorly developed layering except at downhole contact where it becomes cherty and carries local accumulations of fg dissem. pyrite
			- several 1/2" ptygmatic qtz veinlets
			- pervasive moderate carbonatization
340.2	385.4	45.2	MAFIC FLOW
			- dark green fine to medium (to coarse) grained massive tholeitic flow
			- variably carbonatized with frequent calcite veinlets and patches
			- minor chlorite development
			- nil to trace pyrite mineralization
			- occasional narrow magnetic zones
			343.2-344.7 qtz-epidote-albite-chlorite vein system (25% vein material)
			345.7-346.3 qtz-epidote-albite-chlorite vein system (25%

FALCONBRIDGE NICKEL MINES LIMITED

DIAMOND DRILL RECORD

LOCATION_____ DIRECTION_____ DIP_____ HOLE No. WA-1

LOGGED BY_____ CASING_____ SHEET No. 9

STARTED_____ CORE SIZE_____ CORRECTED TESTS_____

FINISHED_____

PROPERTY Wampum Property, Rowan Lake Area, Kenora (PN 516)

FROM (feet)	TO		DESCRIPTION
			vein material)
			347.3-347.6 qtz-epidote-albite-chlorite vein system (25% vein material)
			360.0-380.0 gabbroic phase
			371.4 2" chloritic fault gouge
			376.7-380.6 Spotted chlorite alteration
			379.5 Possible fault zone - msv chlorite
			382.7 4" patch of 5% cg py cubes with 1/2" ribbon qtz vein
385.4	423.2	37.8	MAFIC - INTERMEDIATE TUFF
			- kink banded, epidote alteration
			- possibly includes flattened coarse mafic clasts
			- minor magnetic zones
			- mod. carbonatized
			- pyrite nil-trace with occas. c.g. clots
			- grades downhole to more intermediate composition
			- minor narrow 1/2" qtz + calcite veinlets
			392.0-394.5 Blocky chloritic magnetic possibly fault bx zone
423.2	428.4	5.2	INTERMEDIATE - FELSIC TUFF (INTRUSIVE?)
			- medium grained medium grey massive
			- unmineralized, weakly carbonatized

FALCONBRIDGE NICKEL MINES LIMITED

DIAMOND DRILL RECORD

LOCATION_____ DIRECTION_____ DIP_____ HOLE No. WA-1

LOGGED BY_____ CASING_____ SHEET No. 10

STARTED_____ CORE SIZE_____ CORRECTED TESTS_____

FINISHED_____

PROPERTY Wampum Property, Rowan Lake Area, Kenora (PN 516)

FROM (feet)	TO		DESCRIPTION
428.4	443.1	14.7	MAFIC TUFF (Wampum South Zone) - strong planar fabric - sheared, in part chloritic - moderately carbonatized, frequent calcite veinlets - nil - trace pyrite 429.2-430.0 Qtz vein carrying 1/4" msv pyrite bands - several wallrock inclusions - qtz clear-milky 439.1-440.3 Qtz chlorite vein (90% qtz), includes 2" band 5% py, - healed fault zone? 440.3-442.2 Intensely sheared with zones of cataclasis - probably main fault zone 442.2-443.1 Qtz-chl. vein (50% qtz)
443.1	454.5	11.4	METASEDIMENTS 443.1-445.6 tuff-wacke (possibly intermediate flow) - massive equigranular weak suggestion of layering, greyish - trace py - carbonatized 445.6-447.0 reworked silty tuffwacke - delicate layers contorted - occasional clast - weakly carbonatized - pyrite nil 447.0-449.0 Granitic dyke, inpart feldspar phyric, contact zone silicified mg msv equigranular, 2% mg dissem pyrite no carbonatized 447.0-448.0 5% milky qtz

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DIAMOND DRILL RECORD

LOCATION_____ DIRECTION_____ DIP_____ HOLE No. WA-1

LOGGED BY_____ CASING_____ SHEET No. 11

STARTED_____ CORE SIZE_____ CORRECTED TESTS_____

FINISHED_____

PROPERTY Wampum Property, Rowan Lake Area, Kenora (PN 516)

FROM (feet)	TO		DESCRIPTION
			449.1-454.5 Siltstone - delicately laminated, unmineralized selectively carbonatized
454.5	468.4	13.9	INTERMEDIATE - FELSIC CRYSTAL TUFF - medium brownish grey - weakly carbonatized - pyrite nil - well developed rodding of feldspar crystals - stretching 10:1 with a parallel lineation observed on foliation plane - lineation 52° to C.A. probably reflects plunge of fault zone 456.7-462.8 Granitic dyke - as above
468.4	501.0	32.6	GABBRO (Coarse flow?) - (fine to) coarse grained massive equigranular dark green - narrow magnetic zones - non mineralized 468.4-475.0 Fine grained massive chilled contact zone
	501.0		END OF HOLE
			Contractor: Ultra Mobile Diamond Drilling Limited, Surrey, British Columbia.
			Core is being stored on the property.

17 Dec 85

FALCONBRIDGE NICKEL MINES LIMITED

DIAMOND DRILL RECORD

LOCATION 1+54N; 1+64E DIRECTION 201° DIP -50° HOLE No. WA-2

LOGGED BY I.R. Morrison CASING 6' SHEET No. 1

STARTED December 10, 1985 CORE SIZE BQ CORRECTED TESTS 110'=47°

FINISHED December 11, 1985 210'=46° 300'=42.5°

PROPERTY Wampum Property, Rowan Lake Area, Kenora (PN 516)

FROM (feet)	TO		SUMMARY LOG DESCRIPTION
0.0	6.0		CASING
6.0	48.0	42.0	MAFIC FLOW
48.0	65.3	17.3	MAFIC FLOW
65.3	110.7	45.4	MAFIC FLOW
110.7	118.0	7.3	INTERMEDIATE - FELSIC TUFF
118.0	136.1	18.1	MAFIC FLOW
136.1	141.6	5.5	MAFIC-INTERMEDIATE TUFF
141.6	148.7	7.1	MAFIC FLOW
148.7	157.8	9.1	MAFIC-INTERMEDIATE TUFF
157.8	160.3	2.5	MAFIC FLOW
160.3	165.9	5.6	MAFIC-INTERMEDIATE TUFF
165.9	205.6	39.7	MAFIC FLOW
205.6	216.4	10.8	INTERMEDIATE-FELSIC TUFF
216.4	235.6	19.2	MAFIC FLOW
235.6	250.2	14.6	MAFIC TO INTERMEDIATE TUFF
250.2	278.4	28.2	MAFIC TO INTERMEDIATE TUFF
278.4	283.4	5.0	INTERMEDIATE - FELSIC CRYSTAL TUFF
283.4	289.9	6.5	INTERMEDIATE - FELSIC TUFF
289.9	300.0	10.1	GABBRO
	300.00		END OF HOLE
			Contractor: Ultra Mobile Diamond Drilling Limited, Surrey, British Columbia.
			Core is being stored on the property.

I.R. Morrison 17 Dec 85

FALCONBRIDGE NICKEL MINES LIMITED

DIAMOND DRILL RECORD

LOCATION 1+54N; 1+64E DIRECTION 201° DIP -50° HOLE No. WA-2

LOGGED BY I.R. Morrison CASING 6' SHEET No. 1

STARTED December 10, 1985 CORE SIZE IBQ CORRECTED TESTS 110'=47°

FINISHED December 11, 1985 210'=46° 300'=42.5°

PROPERTY Wampum Property, Rowan Lake Area, Kenora (PN 516)

FROM (feet)	TO		DESCRIPTION
0.0	6.0		CASING
6.0	48.0	42.0	MAFIC FLOW
			- f.g. massive med. grey green tholeitic flow - non-magnetic
			- frequent calcite veinlets and spotty patches
			- pyrite mineralization nil-tr
			15.4 minor fault 45° to C.A.
			15.8 minor fault 45° to C.A.
			16.6 minor fault 35° to C.A.
			27.0 minor fault 10° to C.A.
			27.5-29.2 moderate chlorite alteration
			42.0-43.0 weak to moderate chlorite alteration
48.0	65.3	17.3	MAFIC FLOW
			- as above but pervasive spotty carbonate alteration (10% calcite alteration spots) - py nil-tr
65.3	110.7	45.4	MAFIC FLOW
			- f.g. - m.g. msv tholeitic flow - minor calcite alteration - Py nil-tr
			82.7 1" qtz-chlorite vein with assoc. 4" silicified zone tr po
			84.2-84.65 qtz chlorite vein
			85.0-85.4 qtz chlorite vein - minor py mineralization in walls
			90.2 -91.3 Strongly foliated zone
			95.0-96.0 Rubble zone
			90.0-100.0 Weak to moderate magnetics
			106.6 -108.0 suggestion of layering - could possibly be

FALCONBRIDGE NICKEL MINES LIMITED

DIAMOND DRILL RECORD

WA-2

LOCATION_____ DIRECTION_____ DIP_____ HOLE No._____

2

LOGGED BY_____ CASING_____ SHEET No._____

STARTED_____ CORE SIZE_____ CORRECTED TESTS_____

FINISHED_____

PROPERTY Wampum Property, Rowan Lake Area, Kenora (PN 516)

FROM (feet)	TO		DESCRIPTION
			tuffaceous in part
			106.7 fault
110.7	118.0	7.3	INTERMEDIATE - FELSIC TUFF
			- contains abundant heterolithic, angular clasts varying up to 2" diameter
			- clast lithologies range from mafic to banded cherty - cherty clasts typically zoned (bleached rims)
			- clasts flattened parallel foliation (but not rodded)
			- pyrite mineralization tr (-1/2%)
			- non-magnetic, selectively and weakly carbonatized
118.0	136.1	18.1	MAFIC FLOW
			- pillow breccia or flow breccia (suggestion of selveges)
			- several narrow calcite filled vein breccias
			- unmineralized
136.1	141.6	5.5	MAFIC-INTERMEDIATE TUFF
			- fine grained green and light green
			- well layered, minor zones of siliceous fragmentals
			- weakly magnetic
			- selectively carbonatized - tr py
			- layering 20°-30° to C.A.
141.6	148.7	7.1	MAFIC FLOW
			- f.g. - m.g. massive tholeitic flow
			- minor carbonate alteration, minor qtz-chlorite veining

FALCONBRIDGE NICKEL MINES LIMITED

DIAMOND DRILL RECORD

LOCATION_____ DIRECTION_____ DIP_____ HOLE No. WA-2

LOGGED BY_____ CASING_____ SHEET No. 3

STARTED_____ CORE SIZE_____ CORRECTED TESTS_____

FINISHED_____

PROPERTY Wampum Property, Rowan Lake Area, Kenora (PN 516)

FROM (feet)	TO		DESCRIPTION
			- py nil-tr
			147.2 2" qtz-chl veinlet
148.7	157.8	9.1	MAFIC - INTERMEDIATE TUFF
			- f.g. - m.g. light greyish green - poorly layered, occas. small flattened clasts
			- minor carbonated zones
			- pyrite nil-tr
157.8	160.3	2.5	MAFIC FLOW
			- f.g. - m.g. massive tholeitic flow - dark green
			- minor carbonatized zones
			- py nil-tr
160.3	165.9	5.6	MAFIC - INTERMEDIATE TUFF
			- f.g. med. green - layering poorly to moderately well developed
			- non carbonatized
			- minor pyrite veinlets parallel foliation, overall nil-tr
165.9	205.6	39.7	MAFIC FLOW
			- f.g.-m.g. massive medium to dark green tholeitic unit
			- weak chlorite development
			- minor carbonate
			- py nil-tr
			186.0-187.8 Strong planar fabric
			198.7-204.0 Weak-mod. spotted chlorite alteration

FALCONBRIDGE NICKEL MINES LIMITED

DIAMOND DRILL RECORD

WA-2

LOCATION_____ DIRECTION_____ DIP_____ HOLE No._____

LOGGED BY_____ CASING_____ SHEET No. 4

STARTED_____ CORE SIZE_____ CORRECTED TESTS_____

FINISHED_____

PROPERTY Wampum Property, Rowan Lake Area, Kenora (PN 516)

FROM (feet)	TO		DESCRIPTION
			203.0-203.6 Chlorite fault zone
205.6	216.4	10.8	INTERMEDIATE - FELSIC TUFF - medium grey - varies between f.g., well layered to flattened coarse fragmentals - tr pyrite with minor local accumulation - carbonatized
216.4	235.6	19.2	MAFIC FLOW - massive unit grading from medium grained med. green relatively unaltered to fine grained dark green carbonatized downhole (tops downhole?) 225.2-225.5 Milky qtz-py vein with pyritic halo 231.5-235.6 Pyritic zone 1-2% py as c.g. cubic dissem. - pervasive carb alteration
235.6	250.2	14.6	MAFIC TO INTERMEDIATE TUFF - f.g. poorly layered dark green mafic tuff grading downhole to more intermediate composition med. grey green feldspar phyric (rodded) - pervasive carb. - 235.6-237.5 1-2% pyrite (dissem.) sheared 237.5-240.1 Massive milky qtz vein "Wampum South Zone", contacts 40° to C.A. 240.1-243.5 1-2% dissem. pyrite plus qtz-calcite-pyrite stockwork with associated silicification (242.2-243.1)

FALCONBRIDGE NICKEL MINES LIMITED

DIAMOND DRILL RECORD

LOCATION_____ DIRECTION_____ DIP_____ HOLE No. WA-2

LOGGED BY_____ CASING_____ SHEET No. 5

STARTED_____ CORE SIZE_____ CORRECTED TESTS_____

FINISHED_____

PROPERTY Wampum Property, Rowan Lake Area, Kenora (PN 516)

FROM (feet)	TO		DESCRIPTION
250.2	278.4	28.2	MAFIC TO INTERMEDIATE TUFF - foliated fine grained dark green mafic unit grading downhole to light grey green intermediate unit with occas. zone of flattened coarse clasts (possibly some sedimentary component - tuff-wacke?) 251.9 2" qtz vein 254.0-256.1 Sheared? altered zone with 2-5% py (c.g.) assoc. with 35% qtz stockwork 262.5-268.9 m.g.-c.g. feldspar phyric granitic unit in part silicified - 1-2% dissem. pyrite 277.3-278.3 Granitic dyke
278.4	283.4	5.0	INTERMEDIATE - FELSIC CRYSTAL TUFF - medium brownish grey well developed lineation with parallel 10:1 nodding of feldspar phenocrysts - moderate pervasive carbonate alteration - sericitic
283.4	289.9	6.5	INTERMEDIATE - FELSIC TUFF - delicately layered f.g. intermediate tuff with minor bands of rodded crystal tuff - selectively carbonatized strongly sericitized 285.4-286.2 Pyritic zone 5% recrystalized as veinlets parallel foliation/layering

FALCONBRIDGE NICKEL MINES LIMITED

DIAMOND DRILL RECORD

LOCATION_____ DIRECTION_____ DIP_____ HOLE No. WA-2

LOGGED BY_____ CASING_____ SHEET No. 6

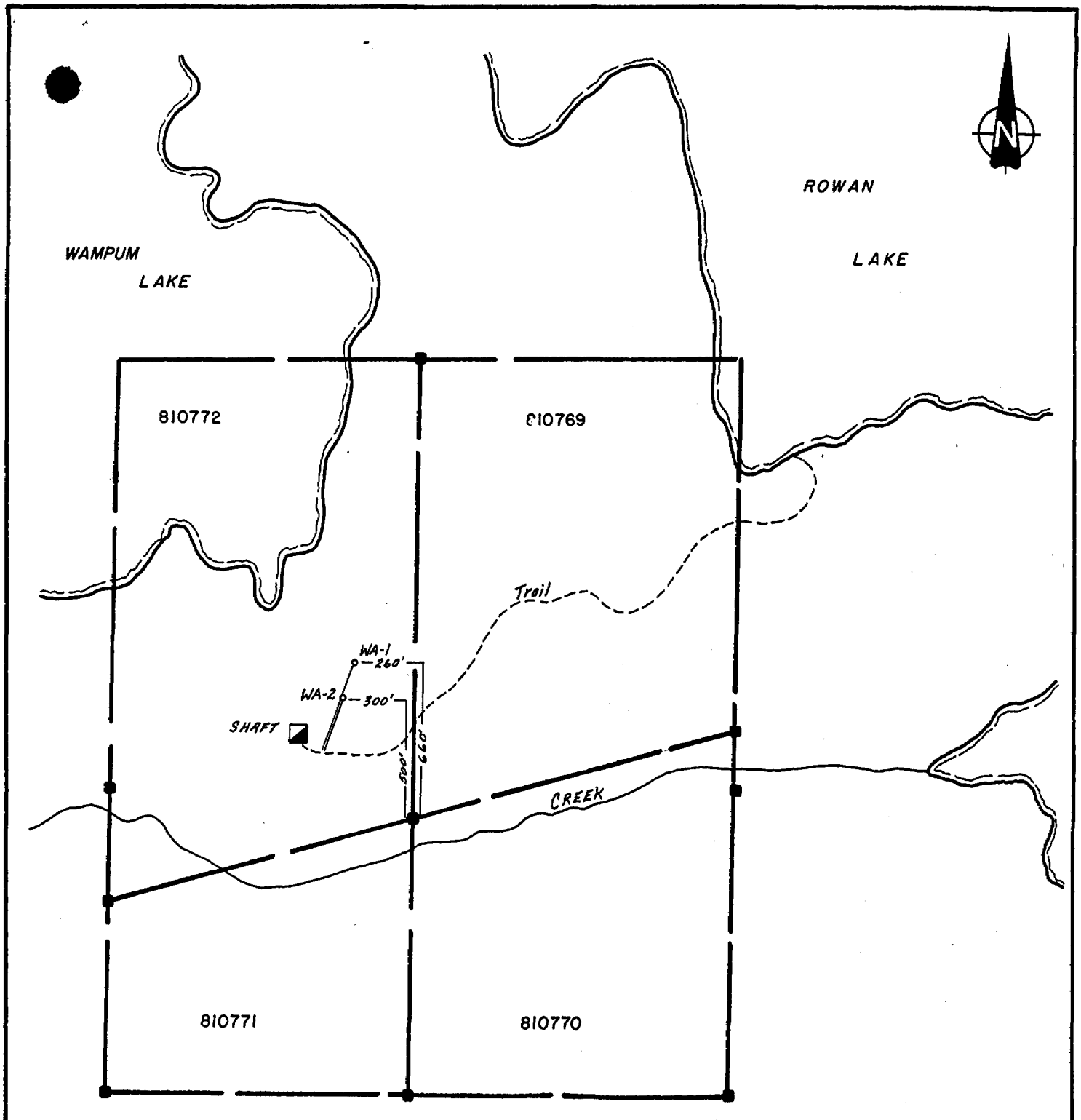
STARTED_____ CORE SIZE_____ CORRECTED TESTS_____

FINISHED_____

PROPERTY Wampum Property, Rowan Lake Area, Kenora (PN 516)

FROM (feet)	TO		DESCRIPTION
289.9	300.0	10.1	GABBRO - f.g. - m.g. msv green gabbro with minor calcite veinlets, patchy carbonatization - py, po - nil-tr - patchy magnetics
	300.0		END OF HOLE
			Contractor: Ultra Mobile Diamond Drilling Limited, Surrey, British Columbia.
			Core is being stored on the property.

17 Dec 85



PN

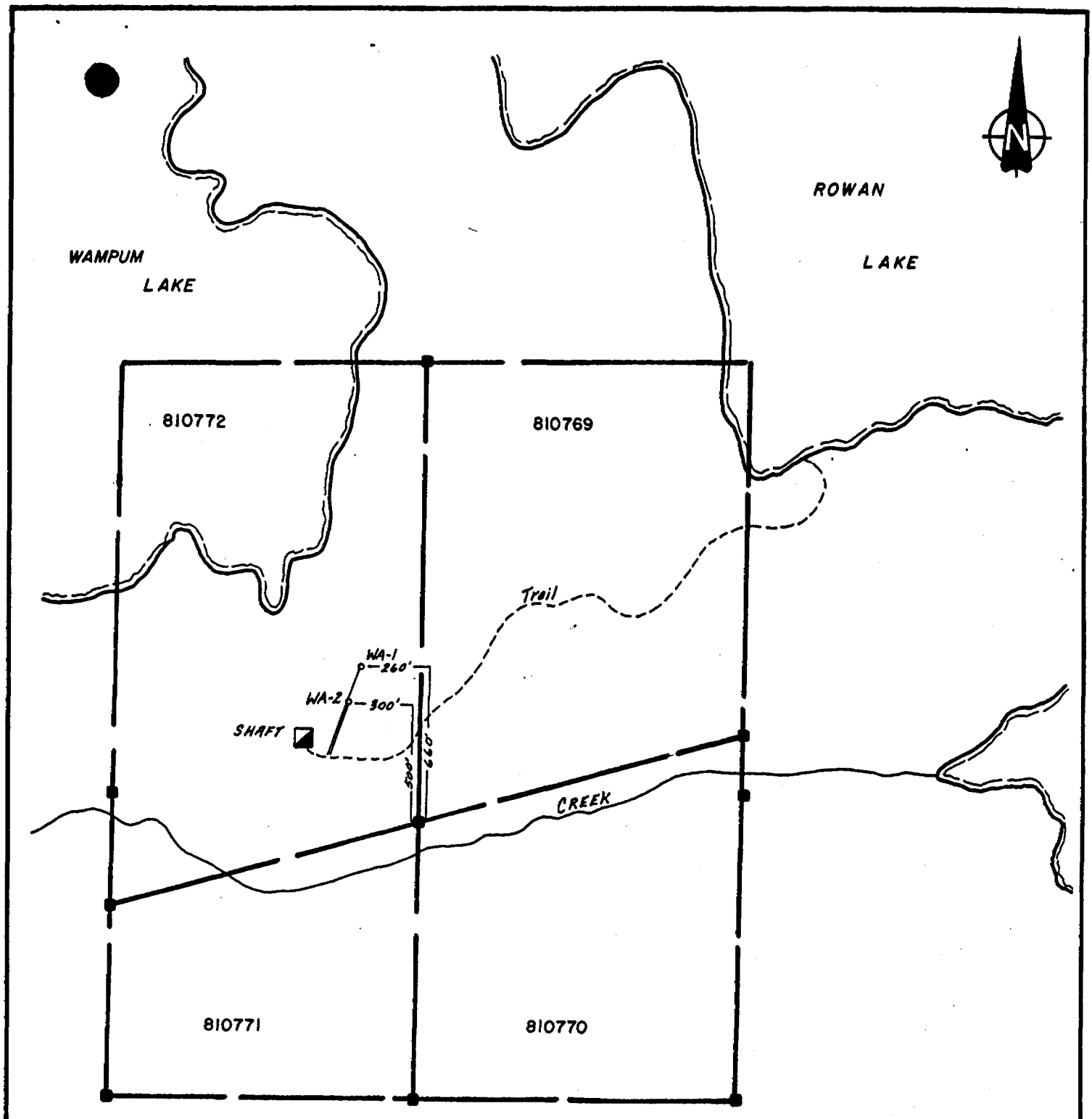
FALCONBRIDGE LIMITED

WAMPUM PROPERTY
DRILLHOLE LOCATION MAP

0 600'

17 Dec 85

SCALE	1" = 600'	DRAWN	VCH
DATE	DEC. 17, 1985	DATA BY	IRM



PN

FALCONBRIDGE LIMITED

WAMPUM PROPERTY
DRILLHOLE LOCATION MAP

SCALE	1" = 600'	DRAWN	VCH
DATE	DEC. 17, 1985	DATA BY	IRM

0 600'

17 Dec 85

Ministry of Natural Resources
Ontario

Report of Work

ROWAN LAKE
LAWRENCE LAKE
#245-85

The Mining

52F05SE0084 39 ROWAN LAKE

900

Name and Postal Address of Recorded Holder

Falconbridge Limited

Prospector's Licence No.
A21647

100-3074 Portage Avenue, Winnipeg, Manitoba R3K 0Y2

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed
801

for Performance of the following work. (Check one only)

- ☐ Manual Work
- ☐ Shaft Sinking Drifting or other Lateral Work.
- ☐ Compressed Air, other Power driven or mechanical equip.
- ☐ Power Stripping
- ☒ Diamond or other Core drilling
- ☐ Land Survey

Mining Claim Prefix	Mining Claim Number	Work Days Cr.	Mining Claim Prefix	Mining Claim Number	Work Days Cr.	Mining Claim Prefix	Mining Claim Number	Work Days Cr.
K	612349	40	K	612370	40	K	612388	40
	612350	40		612371	40		612389	40
	612351	40		612372	40		612390	40
	612352	40		612373	40		612391	40
	612353	40		612384	40		810769	1
	612354	40		612385	40			
	612355	40		612386	40			
	612356	40		612387	40			

All the work was performed on Mining Claim(s): 810772 - work assignment 801 days.

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

Ultramobile Diamond Drilling
12744 Twenty-fourth Avenue
Surrey, British Columbia
V4A 2E6

DDH WA-1 1BQ 501' 201°x-45° Dec 4-8/85
DDH WA-2 1BQ 300' 201°x-50° Dec 10-11/85

ONTARIO GEOLOGICAL SURVEY
ASSESSMENT FILES
RESEARCH OFFICE
JAN 7 1986
RECEIVED

KENORA
MINING DIV.
RECEIVED
DEC 19 1985
AM 7 8 9 10 11 12 1 2 3 4 5 6 PM

Date of Report: 17 Dec 85

Recorded Holder or Agent (Signature): I.R.M. — — / AGENT

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying

I.R. Morrison, 100-3074 Portage Avenue, Winnipeg, Manitoba R3K0Y2

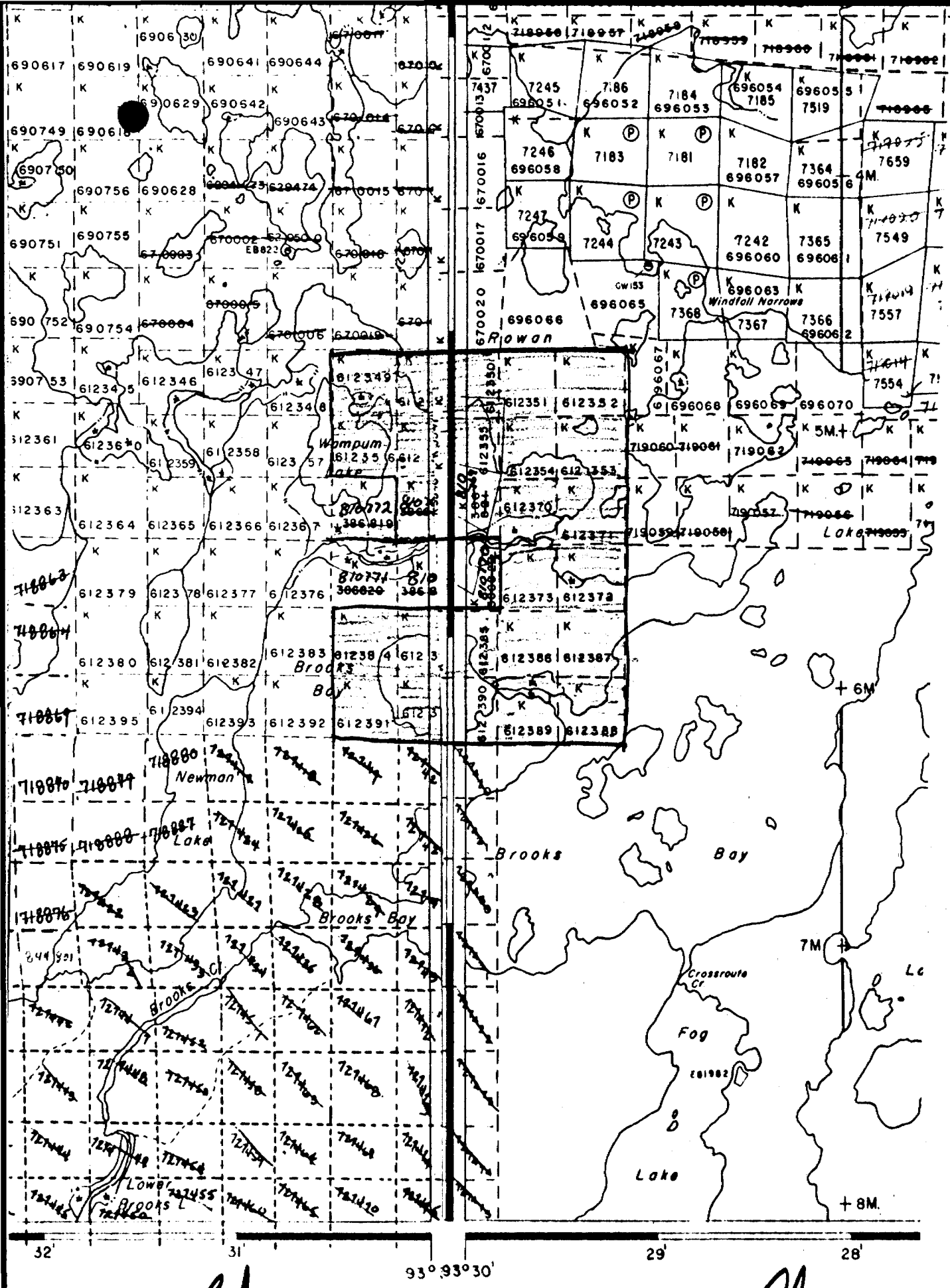
Date Certified: 17 Dec '85

Certified by (Signature): I.R.M. — — /

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific Information per type	Other Information (Common to 2 or more types)	Attachments
Manual Work	Nil	612345 Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment		
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.	Names and addresses of owner or operator together with dates when drilling/stripping done.	
Diamond or other core drilling	Signed core log showing; footage, diameter of core, number and angles of holes.		Work Sketch (as above) in duplicate
Land Survey	Name and address of Ontario land surveyer.	Nil	Nil

360 (84/9)



Rowan Lake
M-258

Lawrence Lake
G.2681