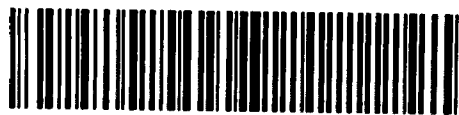


DIA



010

AREA: HERONRY LAKE

REPORT NO: 17

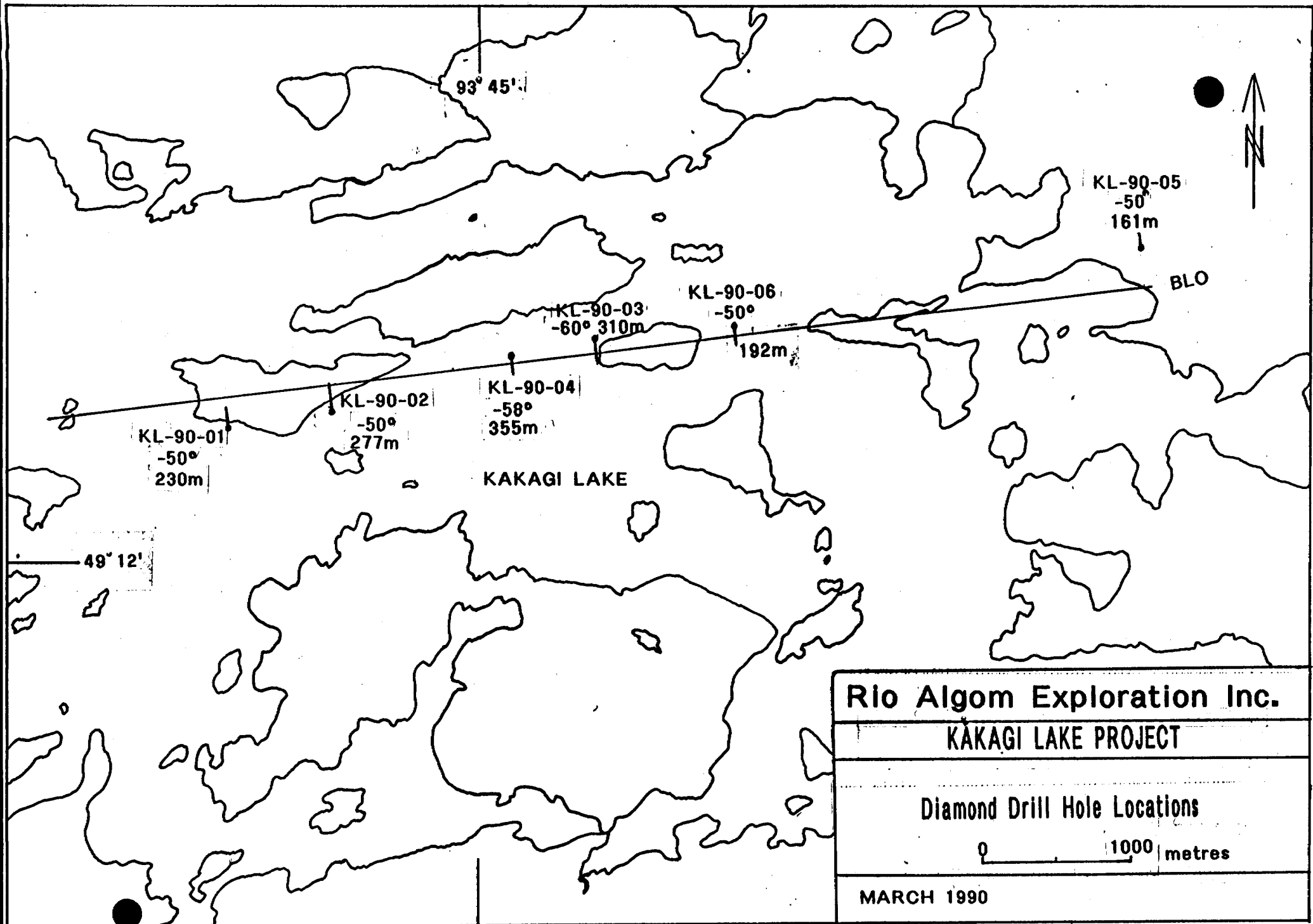
WORK PERFORMED FOR: Rio Algom Exploration Inc.

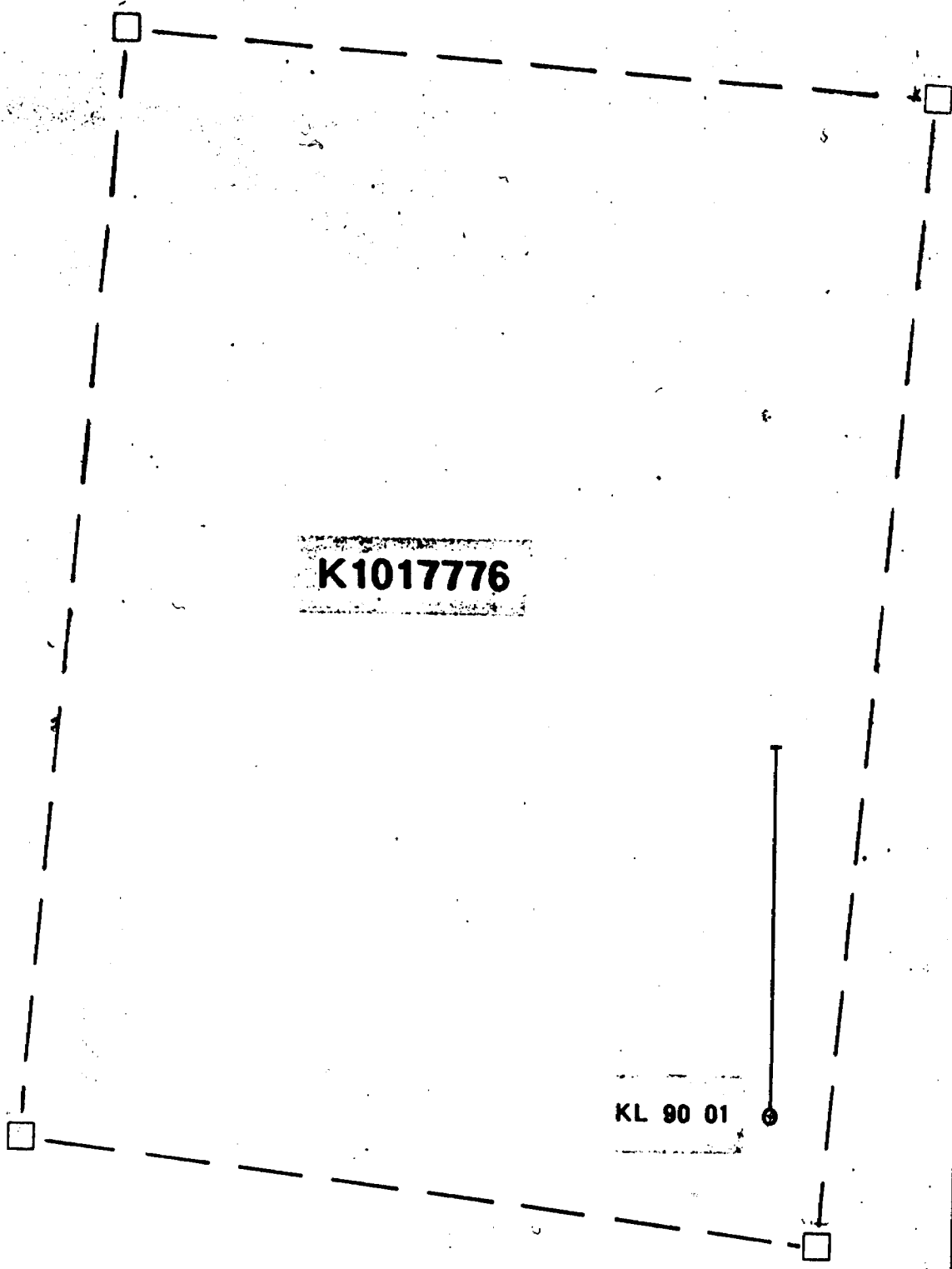
RECORDED HOLDER: SAME AS ABOVE (xx)

: OTHER

<u>CLAIM NO.</u>	<u>HOLE NO.</u>	<u>FOOTAGE</u>	<u>DATE</u>	<u>NOTE</u>
K 1017776	KL-90-01	229.5m	Feb/90	(1)
K 1106207	KL-90-02	276.44m	Feb-Mar/90	(1)

NOTES: (3) W9001.070, filed May/90





K1017776

KL 90 01



Rio Algom Exploration Inc.

Diamond Drill Hole Location

KL 90 01

scale 1:3000

LOCATION: L24W 2+00S

Rio Algom Exploration Inc.

HOLE No.: KL-90-01

AZIMUTH: Grid N

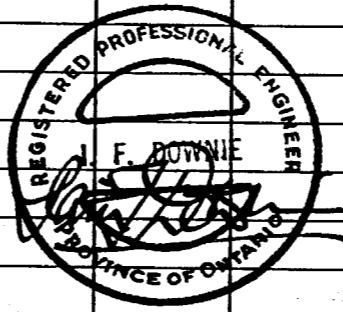
DIAMOND DRILL RECORD

PAGE 1 of 19

DIP: -50° LENGTH: 229.5m ELEVATION: ICE PROPERTY: Marbank Option #8928
 STARTED: Feb. 19, 1990 CORE SIZE: BQ DATE LOGGED: Feb. 20, 90 CLAIM No.: K1017776
 COMPLETED: Feb. 22, 1990 DIP TESTS: Collar -50°, 63.09 -48°, 185 -45°, SECTION:
 PURPOSE: IP ANOMALY 16.46m casing, 121.91 -48°, 229.5 -45°, LOGGED BY: Kevin Kivi

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH								
from	to			from	to									
0	12.8	NW CASING												
12.8	18.9	BW CASING												
18.9	21.49	MAFIC TUFF												
		Coarse grained med green, feldspar porphyritic mafic tuff, moderately foliated at 28°C/A, moderately saussuritized feldspar phenocrysts 1-2mm in diameter. 1-2% white quartz-carbonate veins 4cm wide, moderately carbonated.												
21.49	36.06	MAFIC LAPILLI TUFF												
		Dark green, chloritic mafic lapilli tuff, 40% mafic fragments, 3% felsic fragments, matrix medium grained, medium to bleached green, locally feldspar porphyritic, very similar to previous unit (62-70.5) moderate pervasive carbonatization. Mafic lapilli - feldspar porphyritic, (phenocrysts are saussuritized), some fragments are angular.												

ONTARIO GEOLOGICAL SURVEY
 ASSESSMENT FILES
 OFFICE
 APR 25 1990
 RECEIVED



Rio Algom Exploration Inc.

DIAMOND DRILL RECORD

HOLE No. KL-90-01

PAGE 2 of 2

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH						
from	to			from	to							
		26.42-28.44 Shear zone, finer grained,	P12376	26.42	27.61	1.19						
		chloritized, carbonatized, 3% quartz-calcite	P12377	27.61	28.44	.83						
		stringers up to 3% fine grained disseminated										
		pyrite locally. Schistosity 39°C/A.										
		28.44-32.46 35-40° mafic lapilli, matrix fine										
		grained, powder green colour, strongly										
		carbonatized (matrix only) foliation @43°C/A.										
		Locally 1-2% pyrite.										
		32.46-33.22 Quartz-calcite veining, veins @										
		18°C/A, crosscut foliation of host rock,										
		chloritic xenoliths. Veins 3-5cm wide, 1%										
		pyrite in host.										
		33.22-36.06 5-10% fragments, matrix fine										
		grained with odd feldspar phenocrysts, weak										
		pervasive carbonatization, 1-2% disseminated										
		pyrite.										
36.06	54.25	INTERMEDIATE TO MAFIC LAPILLI TUFF										
		Medium to dark green, intermediate to mafic										
		lapilli tuff, 30% mafic fragments, 5% felsic										
		fragments, fine grained ash matrix, weakly										
		carbonatized locally, 1% erratic calcite seams										

Rio Algom Exploration Inc.

DIAMOND DRILL RECORD

HOLE No. KL-90-01

PAGE 3 of 19

INTERVAL from	to	DESCRIPTION	SAMPLE No.	INTERVAL from	to	LENGTH							
		and stringers. Rare pyritic zones.											
	36.06-39.01	1% irregular quartz-carbonate stringers.											
	39.01-39.65	chloritized, dark green, fine grained, moderate to strong, pervasive carbonatization, 1% fine disseminated pyrite.	P12379	39.01	39.65	.64							
	39.65-40.08	Three parallel pyritic seams, 1-3cm. wide, 40% coarse pyrite cubes, seams are also graphitic.	P12380	39.65	40.08	.43							
	40.08-41.45	moderately carbonatized, rare disseminations of pyrite, up to 2% locally.	P12381	40.08	41.45	1.07							
	41.45-44.80	patchy carbonatization.											
	44.80-48.00	rare felsic lapilli, rounded, beige, up to 4cm. diameter.											
	48.00-50.90	locally spotted with carbonate rhombs (after feldspar?), rare quartz-carbonate stringers.											
	50.90-54.25	strong foliation @ 43°C/A weakly											

Rio Algom Exploration Inc.

DIAMOND DRILL RECORD

HOLE No. KL-90-01

PAGE 4 of 19

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH						
from	to			from	to							
		sicilified moderately to strongly carbonatized (patchy). Becomes finer grained. less fragments.										
54.25	62.79	MAFIC FLOWS										
		Dark green, fine grained, massive, homogeneous mafic flows, generally 1-2% irregular quartz-carbonate stringers, some flow banding. May be fine grained mafic dike. Locally deformed and fractured with some quartz-carbonate veining.										
		55.90-57.24 5-7% grey-white quartz-carbonate veins 5cm. wide, subparallel to foliation of 43°C/A. rare pyrite.	P12382	55.90	56.54	.64						
			P12383	56.54	57.24	.70						
		57.24-58.03 50% quartz carbonate veining, grey-white and white, one grey vein has 3% chalcopryrite and minor pyrite (in blebs), fine dark green chloritic masses. Main vein (white 12cm) at 25°C/A. Sulphides generally restricted to grey veining.	P12384	57.24	58.03	.79						
		58.03-59.98 massive, fine grained, 1-2% irregular quartz-carbonate stringers.										

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DIAMOND DRILL RECORD

HOLE No. KL-90-01

PAGE 5 of 19

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH									
from	to			from	to										
		59.98-60.99 25% grey-white quartz veins,	P12385	59.98	60.99	1.01									
		irregular and deformed, folded, chloritic													
		xenoliths.													
		60.99-62.05 fairly massive, fine grained.													
		62.05-62.79 23cm. white quartz vein, low core	P12386	62.05	62.79	.74									
		angle (15°C/A), green chlorite xenoliths.													
62.79	78.18	INTERMEDIATE TO MAFIC LAPILLI TUFF													
		Medium to dark green, intermediate to mafic													
		lapilli tuff, 30% mafic and 5% felsic													
		fragments. Fine ash matrix. Mafic fragments													
		are feldspar phyric (now ^S gaussurite													
		+carbonate). Some large bombs. Moderately													
		carbonatized.													
		62.79-68.53 Dark green-medium banded, angular													
		mafic fragments, may be pieces of basalt.													
		68.53-68.7 dark green mafic fragments, locally													
		small felsic lapilli.													
		68.7-68.91 MAFIC DIKE - Fine grained, green,													
		chloritic, 44°C/A contacts.													

Rio Algom Exploration Inc.

DIAMOND DRILL RECORD

HOLE No. : KL-90-01

PAGE 6 of 9

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH						
from	to			from	to							
		68.91-71.72 locally felsic ash tuffs										
		71.72-72.08 MAFIC DIKE- Fine grained, green, chloritic contacts 41°C/A.										
		72.08-78.18 20% mafic fragments, moderately carbonatized.										
78.18	83.27	MAFIC TUFF										
		Dark green, fine grained, mottled appearance with saussuritized irregular patches. 15% angular to sub-round mafic fragments (fine grained, dark green) 1% felsic lapilli (light grey, fine grained, siliceous) - Patchy carbonate-saussurite alteration - rare pyritic zones.										
83.27	88.08	INTERMEDIATE LAPILLI TUFF										
		Dark green, fine grained, chloritic ash matrix with 15-20% 4-8mm light grey felsic lapilli. Mild saussuritization, weak pervasive carbonatization foliation at 45°C/A.										

Rio Algom Exploration Inc.

DIAMOND DRILL RECORD

HOLE No K1-90-01

PAGE 7 of 19

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH							
from	to			from	to								
88.08	99.60	HETROLITHIC INTERMEDIATE LAPILLI TUFF											
		Dark green, fine chloritic ash matrix, 15% light grey deformed lapilli, 1-4cm. diameter, 3% dark green, fine grained mafic fragments (angular) pervasive carbonatization.											
		88.08-92.41 decreasing lapilli content.											
		92.41-92.84 MAFIC DIKE - Fine grained, green, massive, homogeneous, 10cm. white barren quartz vein infills fracture zone.											
		92.84-94.57 10% felsic lapilli, irregular shapes.											
		94.57-94.67 FELSIC ASH/CRYSTAL TUFF - grey, coarse grained (1-1.5mm dia), weak sericitization, Contacts @ 45°C/A, conformable											
		94.67-97.04 10-15% felsic fragments, rare mafic fragments.											
		97.04-97.17 MAFIC FLOW - Narrow, calcite vesicles, 1cm band of 30% pyrite.											

Rio Algom Exploration Inc.

DIAMOND DRILL RECORD

HOLE No. KL-90-01

PAGE 8 of 19

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH									
from	to			from	to										
		97.17-99.60 Fine, chloritic ash matrix, 15% light grey deformed, altered fragments.													
99.60	102.44	FELSIC LAPILLI TUFF													
		Grey-green, felsic ash matrix, 40-60% felsic lapilli and bombs, rounded, rare mafic fragments.													
102.44	105.15	FELSIC TUFF													
		Medium grey-green, coarse ash tuff weakly sericitized (seams) along fractures, these fractures are carbonatized.													
		102.44 4cm. quartz vein, carbonate chlorite xenoliths.													
105.15	108.02	PETROLITHIC FELSIC LAPILLI TUFF													
		Light grey-green felsic ash matrix, 20% angular mafic fragments (angular), 20% light grey felsic lapilli - mafic xenoliths may be brecciated flows.													

Rio Algom Exploration Inc.

DIAMOND DRILL RECORD

HOLE No. KL-90-01

PAGE 9 of 19

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH							
from	to			from	to								
108.02	115.15	HETROLITHIC INTERMEDIATE LAPILLI TUFF											
		Medium to dark green, increased mafic component in ash and corresponding decrease in felsic component 20% large angular mafic fragments, 5-10% light grey felsic fragments.											
		108.02-111.86 greenish, saussuritized felsic xenoliths (7%).											
111.86	123.96	MAFIC FLOWS											
		Dark green, medium grained mafic flows, mottled carbonatization and silicification gives fragmental look.											
		111.86-115.15 locally carbonatized and silicified, vuggy quartz-carbonate stringers at 25°C/A.											
		115.1-117.13 Strongly carbonatized and silicified, weak sericitization.	P12387	115.15	116.31	1.98							
			P12388	116.31	117.13	.82							
		117.13-118.47 fine grained mafic fragments, moderately carbonatized.											

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DIAMOND DRILL RECORD

HOLE No. KL-90-01

PAGE 10 of 9

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH							
from	to			from	to								
		118.47-120.88 bands of carbonate alteration, 20°C/A quartz-carbonate stringers.											
		120.88-122.89 Weakly sheared, carbonatized and silicified, some saussuritized seams.											
		122.89-123.96 lessened carbonatization.											
123.96	125.39	FELSIC TUFF											
		Medium grey, coarse ash, hairlike saussurite seams, rare dark green angular fragments, about 1% fine disseminated pyrite.	P12389	123.96	124.60	.64							
			P12390	124.60	125.39	.79							
125.39	126.21	MAFIC FLOW											
		Dark green, fine grained, carbonatized, same as 118.47-120.88.	P12391	125.39	126.21	.82							
126.21	127.43	FELSIC TUFF											
		Medium grey, coarse ash, rare angular dark green mafic clasts, 1-2% fine grained disseminated pyrite.	P12392	126.21	126.91	.70							
			P12393	126.91	127.43	.52							

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DIAMOND DRILL RECORD

HOLE No. KL-90-01

PAGE 11 of 19

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH							
from	to			from	to								
127.43	128.65	MAFIC TUFF											
		Fine grained, dark green, chloritic, mafic and felsic lapilli 2-3mm. in size, Two pyritic bands (2-3cm) with quartz carbonate core. (hydrothermal pyrite).	P12394	127.43	128.38	.95							
128.65	150.59	INTERMEDIATE LAPILLI TUFF											
		Medium green, fine to medium grained ash matrix, 5-10% dark green mafic lapilli. Matrix weak to moderately carbonatized. Foliation @ 50°C/A. 15% feldspar phytic, 1mm. crystals partially saussuritized.											
		128.65-132.6 fragments could be a texture created by differential alteration of a flow.											
		132.67-133.74 silicified and weakly sericitized, rare pyrite.	P12395	132.67	133.74	1.07							
		133.74-137.76 largely coarse ash, homogeneous, may be a flow.											
		133.76-139.59 20% mafic fragments, weakly carbonatized locally.											

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DIAMOND DRILL RECORD

HOLE No. K1-90-01

PAGE 12 of 19

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH						
from	to			from	to							
		139.59-144.62 20% stretched mafic fragments, sericitic seams, moderately carbonatized.										
		144.62-146.02 locally 1-2% disseminated pyrite, 7% mafic fragments.	P12396	144.62	146.02	1.40						
		146.02-148.92 30% mafic fragments, stretched.										
		148.92-150.59 Intermediate ash, coarse grained, locally 1% disseminated pyrite.										
150.59	156.99	IP CONDUCTOR, PYRITIZED INTERMEDIATE LAPILLI TUFF										
		Medium grey-green, intermediate lapilli tuff, locally pyritized. These pyritic zones up to 15cm wide, strongly sericitized, carbonatized and silicified, up to 20% coarse pyrite in seams. Zones are very localized (narrow) not widespread alteration.										
		150.59-151.57 10cm. seam, semi-massive pyrite siliceous, minor carbonatization, about 1-2% disseminated pyrite throughout section.	P12397	150.59	151.57	.98						
		151.57-152.51 2% disseminated pyrite, rare	P12398	151.57	152.51	.94						

Rio Algom Exploration Inc.

DIAMOND DRILL RECORD

HOLE No. K1-90-01

PAGE 13 of 19

INTERVAL from	to	DESCRIPTION	SAMPLE No.	INTERVAL from	to	LENGTH							
		mafic fragments.											
		152.51-153.43 10cm. seam of semi-massive pyrite, minor hematite staining, sericitized, silicified. 1% disseminated pyrite in section. Pyritic zone oriented at 43°C/A, parallels foliation.	P12399	152.51	153.43	.92							
		153.43-154.34 1-2% disseminated pyrite and in 1-2mm. seams, 1cm. x-cutting quartz carbonate vein.	P12400	153.43	154.34	.91							
		154.34-155.0 5% mafic fragments, rare pyrite	P12401	154.34	155.01	.67							
		155.01-155.96 coarse ash, saussuritized, quite felsic, weakly carbonatized, 3cm. pyritic seam (30% pyrite).	P12402	155.01	155.96	.95							
		155.96-156.99 becomes mafic, small mafic fragments, 1% disseminated pyrite, locally silicified and carbonatized.	P12403	155.96	156.99	1.03							
156.99	168.15	INTERMEDIATE LAPILLI TUFF											
		Medium to dark green, fine grained, 10% mafic fragments, stretched, some angular weak,											

Rio Algom Exploration Inc.

DIAMOND DRILL RECORD

HOLE No. KL-90-01

PAGE 14 of 19

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH						
from	to			from	to							
		pervasive carbonatization, matrix only, locally disseminated pyrite.										
		156.99-162.15 a few narrow (1-2cm) pyritic seams.										
		162.15-163.30 Massive, dark green, may be a flow (mafic) or ash tuff.										
		163.30-164.22 up to 2% pyrite disseminated and in seams.	P12404	163.30	164.22	.92						
		164.22-168.15 0.5-1% disseminated pyrite locally, rare quartz-carbonate sweats.										
168.15	170.41	ALTERED INTERMEDIATE LAPILLI TUFFS.										
		Similar to above but moderately carbonated, weakly silicified, about 2% disseminated pyrite locally.	P12405	168.15	169.13	.98						
			P12406	169.13	170.13	1.00						
			P12407	170.13	170.41	.28						
170.41	174.00	FELSIC TUFF (IP CONDUCTOR)										
		Light beige, -grey colour, siliceous, ash tuff, core mafic fragments, about 2% fine disseminated pyrite throughout. Weakly	P12408	170.41	171.20	.79						
			P12409	171.20	172.20	1.0						
			P12410	172.20	173.12	.88						

Rio Algom Exploration Inc.

DIAMOND DRILL RECORD

HOLE No. : KL-90-01

PAGE 15 of 19

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH						
from	to			from	to							
		sericitized, weak pervasive carbonatization, moderately foliated at 45°C/A.	P12411	173.12	174.00	.88						
174.00	180.98	INTERMEDIATE LAPILLI TUFF										
		Green, fine to medium grained intermediate ash matrix, mafic and felsic lapilli, locally up to 1-2% disseminated pyrite. Some tuff (ash) layers are felsic in composition.										
		174.00-175.56 angular mafic fragments.										
		175.56-177.72 locally pyrite disseminations.										
		177.72-178.21 Coarse felsic ash tuff, trace pyrite										
		178.21-179.18 25% angular mafic fragments.										
		179.18-179.61 FELSIC TUFF - grey-beige colour, coarse, high quartz content, mafic lapilli.										
		179.61-180.98 Felsic to intermediate matrix, mafic lapilli.										

Rio Algom Exploration Inc.

DIAMOND DRILL RECORD

HOLE No. KL-90-01

PAGE 16 of 19

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH							
from	to			from	to								
180.98	184.76	FELSIC TUFF											
		Grey, coarse felsic ash tuff, locally 1-2%	P12412	180.98	181.90	.92							
		disseminated pyrite 2% small mafic fragments 2-	P12413	181.90	182.81	.91							
		8mm in length. Quartz-calcite fractures.	P12414	182.81	183.85	1.04							
			P12415	183.85	184.76	.91							
184.76	195.67	INTERMEDIATE LAPILLI TUFF											
		Medium to dark green sometimes grey (felsic)											
		ash matrix. 15-20% angular fine grained green											
		mafic fragments, Locally minor pyrite.											
		184.76-186.22 minor pyrite, mafic to felsic											
		ash matrix.											
		186.22-186.62 2mm seam chalcopyrite.	P12416	186.22	186.62	.40							
		186.62-186.99 Felsic Tuff - grey, coarse felsic	P12417	186.62	186.99	.37							
		ash, similar to 180.98-184.76. 1-2%											
		disseminated pyrite.											
		186.99-191.25 Felsic ash matrix (grey), 20%											
		green, angular mafic fragments, minor 1%											
		pyrite.											

Rio Algom Exploration Inc.

DIAMOND DRILL RECORD

MOLE No. K1-90-01

PAGE 17 of 19

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH						
from	to			from	to							
		191.25-195.67 Intermediate, grey green ash 2% small mafic lapilli (2-4mm), locally 1-2% pyrite.	P12418	192.78	193.60	.82						
195.67	197.53	FELSIC TUFF										
		Grey-beige, coarse felsic ash tuff, homogeneous, about 0.5-1% disseminated pyrite, less than 1% small mafic lapilli.	P12419	195.67	196.53	.86						
			P12420	196.53	197.53	1.00						
197.53	217.46	MAFIC TO INTERMEDIATE FLOWS & DIKES										
		Green to grey green mafic to intermediate flows, some are feldspar phyrlic, minor carbonate and quartz stringers. Numerous mafic to intermediate dikes, fine grained, massive, some are vesicular. A few 2-4cm. quartz-carbonate veins, irregular, with green chloritic xenoliths.										
		197.53-203.38 Probably ash tuff, 1% small mafic fragments.										
		203.38-204.72 INTERMEDIATE DIKE - vesicular in core, fine grained, green, hard. Contacts 50°C/A, 65°C/A.										

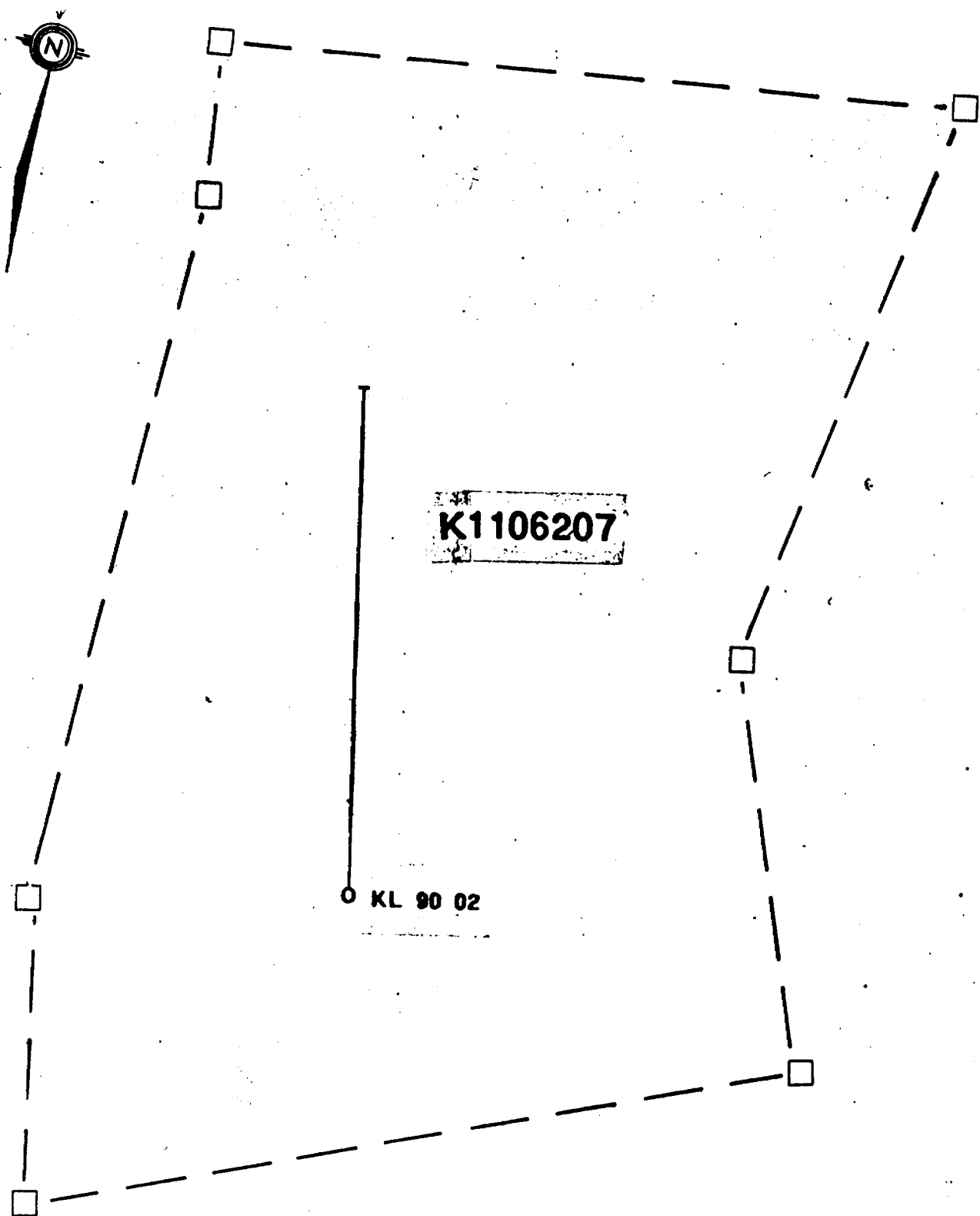
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DIAMOND DRILL RECORD

HOLE No. KL-90-01

PAGE 18 of 19

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH							
from	to			from	to								
		204.72-207.38 medium grained, feldspar phytic.											
		207.38-208.35 INTERMEDIATE DIKE - hard, fine grained green, contacts 70°C/A.											
		208.35-210.09 one small felsic fragment.											
		210.09-211.16 INTERMEDIATE DIKE - 4cm. quartz vein, dike, hard, locally vesicular, contacts 70°C/A.											
		211.16-214.26 fairly massive, medium grained.											
		214.26-215.33 INTERMEDIATE DIKE - yuggy quartz-carbonate stringer, contacts 48°C/A.											
		215.33-216.09 FELSIC TUFF - beige to grey, green mafic fragments.											
		216.09-217.46 locally pyritic, some grey quartz veining.											
217.46	229.50	INTERMEDIATE LAPILLI TUFF											
		Green, fine grained intermediate ash, 1-5% angular mafic xenoliths. 1% thin irregular											



Rio Algom Exploration Inc.

Diamond Drill Hole Location

KL 90 02

scale 1:2500

LOCATION: L18+15W 1+50S

Rio Algom Exploration Inc.

HOLE No.: KL-90-02

AZIMUTH: Grid N.

DIAMOND DRILL RECORD

PAGE 1 of 22

DIP: -50° LENGTH: 276.44m. ELEVATION: ICE PROPERTY: Marbank

STARTED: Feb. 23, 90 CORE SIZE: BQ DATE LOGGED: Feb. 28, 90 CLAIM No.: K1106207

COMPLETED: Mar. 1, 1990 DIP TESTS: Collar -50° 121.91m. -52° 243.83 -45° SECTION:

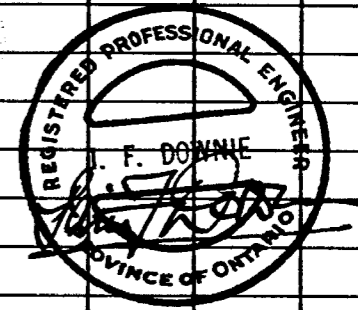
PURPOSE: IP Anomaly 16.76m Casing -52° 182.87m. -46° 276.44 -45° LOGGED BY: Kevin Kivi

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH							
from	to			from	to								
0	17.68	CASING											
17.68	24.20	ALTERED FELSIC TUFF											
		Medium to light grey, felsic tuff, moderately to strongly silicified, locally sericitic along fracture seams that are subparallel to schistosity of 45°C/A, about 2% pyrite. Locally 7% some tourmaline (7%) in bands, rare green mica.											
	17.68-18.68	7cm. tourmaline-quartz-pyrite zone, 1% disseminated tourmaline and pyrite throughout	P12421	17.68	18.68	1.00							
	18.68-19.63	2 zones 10-20cm of silicification and tourmalinization, up to 7% disseminated pyrite, sericitic, locally 10% tourmaline.	P12422	18.68	19.63	.95							
	19.63-20.57	20cm. strongly silicified zone, some grey white quartz veining, up to 10% pyrite, 1% tourmaline.	P12423	19.63	20.57	.94							

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DIAMOND DRILL RECORD

HOLE No. KL-90-02

PAGE 2 of

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH							
from	to			from	to								
		20.57-21.55 strong silicification, 3% pyrite some coarse 3-4mm blebs, fracturing shallow C/A of 25°.	P12424	20.57	21.55	.98							
		21.55-22.55 siliceous, 1-2% disseminated pyrite, dark grey, intermediate lapilli.	P12425	21.55	22.55	1.00							
		22.55-23.47 Strong silicification, bleached white, intermediate lapilli, 1-2cm bands pyrite up to 30%, sericitic.	P12426	22.55	23.47	.92							
		23.47-24.20 strong silicification, 1% pyrite dark grey bands, foliation steepens from 45- 32°C/A.	P12427	23.47	24.20	.73							
24.20	26.46	INTERMEDIATE LAPILLI TUFF											
		Green, with grey-white matrix (fine grained, felsics) Green, fine grained lapilli and ash., siliceous, non-carbonatized. About 2-3% 1-2mm. cubes pyrite, sometimes forms stringers. Strong foliation of 35°C/A, locally 20% small mafic lapilli.	P12428	24.20	25.24	1.04							
			P12429	25.24	25.94	.70							
			P12430	25.94	26.46	.52							
26.46	30.48	MAFIC TUFF											

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DIAMOND DRILL RECORD

HOLE No. KL-90-02

PAGE 3 of 2

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH							
from	to			from	to								
		Dark green, chloritic, 10% small mafic lapilli (dk green, chloritic). Strong-low angle foliation, carbonatized, sporatic pyrite mineralization, up to 7-10% locally.											
		26.46-27.83 Schistocity 23°C/A.											
		27.83-29.56 Schistocity 28°C/A, locally 1-5% pyrite.											
		29.56-30.48 locally weak carbonatization, 1-2% pyrite.	P12431	29.56	30.48	.92							
30.48	36.97	INTERCALATED FELSIC AND MAFIC TUFFS											
		Alternating bands of light grey felsic ash and dark green mafic ash (lapilli) tuffs. Some mixing of two phases.											
		30.48-30.78 Felsic tuff, silicified, minor tourmaline, up to 10% pyrite.	P12432	30.48	31.03	.55							
		30.78-31.30 Mafic tuff, ash, fine grained, dark green, chloritic.											

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DIAMOND DRILL RECORD

HOLE No. KL-90-02

PAGE 4 of

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH						
from	to			from	to							
		31.30-31.51 Felsic tuff, light grey, 3% pyrite, locally carbonatized and silicified.	P12433	31.03	31.67	.63						
		Some chlorite, 38°C/A contact.										
		31.51-34.53 Mafic tuff - some felsic ash mixing, carbonatized, strong schistosity of 23°C/A, 1-5% disseminated pyrite.	P12434	31.67	32.61	.94						
			P12435	32.61	33.59	.98						
			P12436	33.59	34.53	.94						
		34.53-36.97 Felsic Tuff - light grey, white, up to 5% pyrite, disseminated and in seams, silicified, locally up to 3% tourmaline, locally carbonatized.	P12437	34.53	34.90	.37						
			P12438	34.90	35.84	.94						
			P12439	35.84	36.97	1.13						
36.97	45.11	MAFIC TUFF										
		Dark green, some light grey felsic matrix due to felsic ash mixing 1-10% disseminated pyrite, moderately to strongly carbonatized.										
		36.97-38.01 up to 10% disseminated pyrite, locally carbonatized.	P12440	36.97	38.01	1.04						
		38.01-39.01 strongly carbonatized, 3% disseminated pyrite, 1mm grains.	P12441	38.01	39.01	1.00						

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DIAMOND DRILL RECORD

HOLE No. KL-90-02

PAGE 5 of 6

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH							
from	to			from	to								
		39.01-39.99 2-3% pyrite, strongly carbonatized	P12442	39.01	39.99	.98							
		39.99-40.75 up to 7% pyrite, strong schistosity at 34°C/A.	P12443	39.99	40.75	.76							
		40.75-42.67 strongly carbonatized, 2% pyrite.											
		42.67-44.07 schistosity 30°C/A, up to 3% pyrite.											
		44.07-45.11 schistosity 30° C/A, up to 15% disseminated pyrite.	P12444	44.07	45.11	1.04							
45.11	63.97	PYRITIC FELSIC LAPILLI TUFF (IP CONDUCTOR)											
		Medium grey, siliceous felsic lapilli tuff. Lapilli, quite rare, usually darker colour, but likely similar composition. Fractured with carbonatization on fractures (45°C/A). Locally strongly silicified and pyritized, locally sericitic, trace green mica, locally tourmaline mineralization.											
		45.11-46.24 locally carbonatized, up to 7% pyrite in 2-5mm seams. minor tourmaline.	P12445	45.11	46.24	1.13							

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DIAMOND DRILL RECORD

HOLE No. : KL-90-02

PAGE 6 of

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH						
from	to			from	to							
		46.24-47.21 rare pyrite, minor tourmaline, carbonatized fractures.	P12446	46.24	47.21	.97						
		47.21-48.19 intermediate composition lapilli, minor pyrite (1-2%)	P12447	47.21	48.19	.98						
		48.19-49.25 felsic lapilli, silicified, up to 5% pyrite in narrow seam.	P12448	48.19	49.25	1.06						
		49.25-50.26 strong silification, up to 15% pyrite, up to 7% tourmaline locally.	P12449	49.25	50.26	1.01						
		50.26-51.23 up to 10% pyrite in seams, irregular, chlorite in seams as well, minor tourmaline.	P12450	50.26	51.23	.97						
		51.23-52.09 siliceous, 2-3% pyrite.	P12451	51.23	52.09	.96						
		52.09-53.06 locally strongly silicified, up to 10% pyrite.	P12452	52.09	53.06	.97						
		53.06-54.01 rare pyrite, numerous carbonatized fractures at 40°C/A.	P12453	53.06	54.01	.95						
		54.01-54.77 good angular fragments, up to 10% fine disseminated pyrite.	P12454	54.01	54.77	.76						

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DIAMOND DRILL RECORD

HOLE No KL-90-02

PAGE 7 of

INTERVAL		DESCRIPTION	SAMPLE No	INTERVAL		LENGTH							
from	to			from	to								
		54.77-55.71 20cm. wide strong silification zone with 20% pyrite, oriented at 18°C/A.	P12455	54.77	55.71	.94							
		55.71-56.57 angular fragments, locally strong silification and 8-10% fine disseminated pyrite.	P12456	55.71	56.57	.86							
		56.57-57.33 strong silification, locally 8% tourmaline, 5-10% fine disseminated pyrite, rare fuchsite.	P12457	56.57	57.33	.76							
		57.33-57.97 strongly silicified, up to 10% fine and coarse pyrite, 1-2% tourmaline.	P12458	57.33	57.97	.63							
		57.97-58.76 strong silification, 2% fine disseminated pyrite, tourmaline in seams.	P12459	57.95	58.76	.79							
		58.76-59.68 MAFIC DIKE - Dioritic, green, carbonate c celli, contacts sharp at 40°C/A.											
		59.68-60.62 strongly silicified, up to 15% coarse pyrite, good IP conductor.	P12460	59.68	60.62	.94							
		60.62-61.57 good angular felsic fragments, 3-5% fine disseminated pyrite.	P12461	60.62	61.57	.95							

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DIAMOND DRILL RECORD

HOLE No. KL-90-02

PAGE 8 of 2

INTERVAL		DESCRIPTION	SAMPLE No	INTERVAL		LENGTH						
from	to			from	to							
		61.57-62.42 carbonatized and silicified, 5-7% coarse pyrite.	P12462	61.57	62.42	.85						
		62.42-63.46 good fragmental, carbonatized fractures, 2-3% pyrite	P12463	62.42	63.46	1.04						
		63.46-63.97 minor pyrite.	P12464	63.46	63.97	.51						
63.97	67.11	QUARTZ DIORITE DIKES										
		Fine grained, grey, small 1mm quartz crystals, minor pyrite, carbonatized fracturing. Contacts at 60°/50°C/A. Narrow wedge of felsic lapilli tuff (as above).										
		64.83-65.44 felsic lapilli tuff, 1-2% pyrite	P12465	64.83	65.44	.61						
		65.44-67.11 carbonate specks, fine grained.										
67.11	70.71	INTERMEDIATE LAPILLI TUFF										
		Fine grained grey green, felsic matrix, greenish intermediate fine grained fragments. Locally 1-2% coarse pyrite, moderately fractured (carbonatized).										

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DIAMOND DRILL RECORD

HOLE No. : KL-90-02

PAGE 9 of 2

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH							
from	to			from	to								
		69.70-70.71 irregular white calcite stringers.											
70.71	73.03	FELSIC LAPILLI TUFF											
		Grey, fine grained, numerous carbonatized fractures, sheared locally at 28°C/A. Up to 15% pyrite locally.											
		70.71-71.56 shear zone, up to 15% pyrite locally.	P12466	70.71	71.56	.85							
		71.56-72.02 5-10% pyrite, intermediate fragments.	P12467	71.56	72.02	.46							
		72.02-73.03 moderate to strong silicification, up to 15% fine pyrite locally, sheared at 34°C/A.	P12468	72.02	73.03	1.01							
73.03	83.02	INTERMEDIATE LAPILLI TUFF											
		Grey green, darker grey lapilli sized fragments, abundant carbonatized fractures, locally 5-10% pyrite, locally sericitized.											
		73.03-74.92 minor pyrite, locally silicified.											

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DIAMOND DRILL RECORD

HOLE No. KL-90-02

PAGE 10 of 22

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH						
from	to			from	to							
		74.92-75.71 5% pyrite, carbonatized fractures and stringers.	P12469	74.92	75.71	.79						
		75.71-79.24 carbonatized fracturing 35°C/A, rare pyrite.										
		79.24-80.68 more felsic, light grey colour, up to 5% pyrite.										
		80.68-81.83 45cm. mafic ash large - or sheared mafic dike, 40°C/A. up to 15% fine pyrite, carbonatized.	P12470	80.68	81.83	1.15						
		81.83-83.02 felsic, silicified, minor pyrite, calcite stringers.										
83.02	86.04	QUARTZ-FELDSPAR PORPHYRY										
		Light grey, fine grained quartz-feldspar porphyry, white diffuse feldspar, small 0.5mm quartz phenocrysts. Minor fine grained pyrite contacts at 40°C/A. Locally carbonatized.										
86.04	102.71	INTERMEDIATE LAPILLI TUFF										
		Grey green, felsic fine grained matrix with										

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DIAMOND DRILL RECORD

HOLE No.: KL-90-02

PAGE 11 of 2

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH							
from	to			from	to								
		darker grey-green intermediate lapilli.											
		Locally silicified, sericitized and carbonatized. Minor quartz-carbonate stringers.											
		86.04-87.84 locally carbonatized, minor pyrite											
		87.84-88.91 up to 10% pyrite, locally silicified, minor sericization.	P12471	87.84	88.91	1.07							
		88.91-89.91 5cm. quartz carbonate vein at 20°C/A, about 20% pyrite on upper contact (10cm zone) minor sericite and silica alteration.	P12472	88.91	89.91	1.00							
		89.91-92.65 locally minor coarse pyrite.											
		92.65-93.87 weakly silicified and sericitized, 1-2% pyrite.											
		93.87-94.45 silicified and sericitized above a 5cm. quartz carbonate vein, Vein at 40°C/A.	P12473	93.57	94.48	.91							
		94.48-96.98 moderately sericitized, minor pyrite.											

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DIAMOND DRILL RECORD

HOLE No. KL-90-02

PAGE 12 of 2

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH							
from	to			from	to								
		96.98-97.99 silicified, then broken and infilled with calcite, 2-3% pyrite (locally)	P12474	96.98	97.99	±.0±							
		97.99-99.66 10cm. Qtz Diorite Dike at 43°C/A, 1-2% pyrite.											
		99.66-100.49 Qtz Diorite DIKE - fine grained, grey, minor carbonate, contacts 36°C/A.											
		100.49-102.71 locally 1-2% pyrite, minor carbonate alteration.											
102.71	103.02	FAULT - core broken, some pyrite, fault gauge oriented at 25°C/A.											
103.02	105.79	MAFIC TUFF Fine grained, grey green, coarse ash, weakly carbonatized, fairly homogeneous.											
105.79	108.66	MAFIC LAPILLI TUFF Green, fine grained mafic ash matrix (as above) 15% epidotized felsic fragments, angular. Minor pyrite.											

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DIAMOND DRILL RECORD

HOLE No. KL_90-02

PAGE 13 of 2

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH							
from	to			from	to								
108.66	111.37	MAFIC TUFF											
		Fine grained, grey-green, homogeneous, minor quartz-carbonate veining, trace pyrite, Strange calcite-tourmaline vein, 50°C/A - probably buckle folded as it glances core in a couple of spots.											
111.37	115.36	HETROLITHIC MAFIC LAPILLI TUFF											
		Distinctive unit - 35% fine grained grey-green ash matrix, 25% epidotized diffuse felsic fragments. 40% grey felsic fragments. White calcite filled strain shadows on fragments, 1-3% pyrite.											
		114.60-115.36 Felsic breccia, angular fragments.											
115.36	127.74	MAFIC LAPILLI TUFF											
		Green fine grained mafic ash, carbonatized Pumice fragments, Locally minor pyrite. Some epidote alteration of lapilli. Foliation moderate at 45°C/A.											

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DIAMOND DRILL RECORD

MOLE No.: KL-90-02

PAGE 14 of

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH							
from	to			from	to								
127.74	129.05	FELSIC TUFF											
		Beige-grey fine grained ash tuff, rare angular mafic fragments, about 0.5% fine pyrite, weakly sericite altered. Sharp upper contact at 50°C/A. bottom contact gradational.											
129.05	182.11	MAFIC FLOWS											
		Green, fine grained mafic flows with 5-10% carbonatized sections, monotonous unit, some epidote alteration, minor pyrite in lmm. seams.											
		131.73 3cm. white quartz vein, folded.											
		150.20-151.48 5-7% white quartz carbonate veins, minor pyrite, chloritic patches.	P12475	150.20	151.48	1.28							
		151.48-154.53 1% quartz-carbonate stringers, irregular, carbonatized.											
		154.53-157.57 rare pyrite, rare quartz carbonate stringers.											
		157.57-159.22 patchy quartz-carbonate stringers											

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DIAMOND DRILL RECORD

MOLE No.: KL-90-02

PAGE 15 of 22

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH							
from	to			from	to								
		159.22-160.56 7-10% fine disseminated pyrite, carbonatized, wispy quartz-carbonate stringers	P12476	159.22	160.56	1.34							
		160.56-161.32 1-2% fine disseminated pyrite.											
		161.32-162.45 6cm. seam massive pyrite, weakly carbonated.	P12477	161.32	162.45	1.13							
		162.45-163.55 minor pyrite, 0.5-1%	P12478	162.45	163.55	1.10							
		163.55-167.63 1% irregular quartz carbonate stringers.											
		167.63-173.03 trace pyrite, light grey-green, carbonatized.											
		173.03-174.52 increased pyrite in seams	P12479	173.03	174.52	1.49							
		174.52-175.95 carbonated, 7-10% pyrite, schistosity 40°C/A	P12480	174.52	175.95	1.43							
		175.95-177.45 3-5% pyrite, moderately carbonatized	P12481	175.95	177.45	1.50							
		177.45-178.91 1% pyrite, carbonatized.											
		178.91-180.55 up to 10% pyrite locally, fine	P12482	178.91	180.55	1.64							

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DIAMOND DRILL RECORD

HOLE No.: KL-90-02

PAGE 16 of 2

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH							
from	to			from	to								
		to very coarse grained, carbonatized, silicified locally.											
		180.55-182.11 5% disseminated pyrite throughout, moderately carbonatized, foliation at 40°C/A.	P12483	180.55	182.11	1.56							
182.11	184.24	FELSIC FLOW											
		Light grey, felsic flow, locally sericitic, silicified, weakly carbonatized locally, about 1-3% fine disseminated pyrite, 0.5cm. seam semi-massive pyrite.											
		1182.11-183.42 3-5% fine disseminated pyrite, weakly carbonatized.	P12484	182.11	183.42	1.31							
		183.42-184.24 1% fine disseminated pyrite	P12485	183.42	184.24	.82							
184.24	188.57	INTERMEDIATE TO MAFIC TUFF											
		Dark green, mafic ash (rare lapilli) tuff, about 1% fine disseminated pyrite, 2-5% irregular quartz carbonate stringers.											

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DIAMOND DRILL RECORD

HOLE No. : KL-90-02

PAGE 17 of

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH						
from	to			from	to							
188.57	197.20	MAFIC TO INTERMEDIATE LAPILLI TUFF										
		Dark green, mafic to intermediate lapilli tuff felsic lapilli, minor tiny mafic lapilli. Rare massive pyrite seams.										
		188.57-191.10 20% felsic lapilli.										
		191.10-192.72 generally 1% disseminated pyrite, one 1.5cm. massive pyrite seam.	P12486	191.10	192.72	1.62						
		192.72-197.20 Mafic Tuff - dark green ash , minor 1-2mm. fragments (mafic).										
197.20	203.60	ALTERED MAFIC TUFFS										
		Dark green to grey mafic tuff, rare angular mafic fragments, strongly carbonatized and silicified, up to 10% pyrite in bands.										
		197.20-198.11 1-2% disseminated pyrite.	P12487	197.20	198.11	.91						
		198.11-199.09 10-20% disseminated pyrite, strongly carbonatized and silicified.	P12488	198.11	199.09	.98						
		199.09-199.94 3-5% disseminated pyrite.	P12489	199.09	199.94	.89						

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DIAMOND DRILL RECORD

HOLE No. KL-90-02

PAGE 18 of 2

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH							
from	to			from	to								
		199.94-200.91 3-5% disseminated pyrite.	P12490	199.94	200.91	.97							
		200.91-201.83 Strongly sheared, silicified and carbonatized, 2-3% disseminated pyrite, schistosity 40°C/A.	P12491	200.91	201.83	.92							
		201.83-202.47 5-7% disseminated pyrite, carbonatized.	P12492	201.83	202.47	.64							
		202.47-203.60 5-7% disseminated pyrite, carbonatized.	P12493	202.47	203.60	1.13							
203.60	269.28	MAFIC TUFFS											
		Dark green, fine grained mafic tuffs, rare lapilli sized fragments. Locally moderately carbonatized. Locally 1-2% disseminated pyrite.											
		203.60-205.12 moderately carbonatized, 0.5% pyrite.											
		205.12-209.42 weakly carbonatized, rare pyrite.											
		209.42-212.13 rare lapilli, rare pyrite.											

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DIAMOND DRILL RECORD

HOLE No. KL-90-02

PAGE 19 of 2

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH							
from	to			from	to								
	212.13-214.57	several pyritic zones (7-10% pyrite), carbonatized, 2-3% irregular quartz carbonate stringers.											
	214.57-217.01	small mafic fragments.											
	217.01-220.97	1-5% fine disseminated pyrite, moderately carbonatized, 3-5% irregular quartz-carbonate stringers.	P12494	214.57	217.01	2.44							
			P12495	217.01	220.97	3.96							
	220.97-224.63	locally epidotized, minor quartz carbonate stringers.											
	224.63-225.85	Three zones (4-10cm) of 10% disseminated pyrite, these zones strongly carbonatized.	P12496	224.63	225.85	1.22							
	225.85-227.37	4cm. barren, quartz vein.											
	227.37-230.11	narrow bands of pyrite up to 20%											
	230.11-231.64	rare quartz carbonate stringers											
	231.64-233.10	about 3% pyrite in narrow 6-10cm. bands, carbonatized.	P12497	230.11	231.64	1.53							

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DIAMOND DRILL RECORD

HOLE No. : KL-90-02

PAGE 20 of 22

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH						
from	to			from	to							
		233.10-234.53 3-5% disseminated pyrite locally (as above) strongly carbonatized locally	P12498	233.10	234.53	1.43						
		234.53-235.84 moderately carbonatized.										
		235.84-236.57 narrow 1-3cm. pyritic zones, oriented at 38°C/A.	P12499	234.53	236.57	2.04						
		236.57-237.52 strong carbonatization, up to 10% pyrite locally. One zone 20cm. wide.	P12500	236.57	237.52	.95						
		237.52-238.22 rare quartz carbonate stringers pyritic zone taken to Toronto by CKO.										
		238.22-239.56 5% pyritic-carbonatized zones, 1-2cm quartz stringers, up to 10% fine pyrite.	P13751	238.22	239.56	1.34						
		239.56-243.28 Monotonous mafic ash										
		243.28-244.13 4cm. pyritic (10%) carbonatized zone, minor disseminated pyrite locally.	P13752	243.28	244.13	.85						
		244.13-247.03 locally strongly carbonatized.										
		247.03-248.52 Locally up to 3% pyrite in narrow zones, weakly carbonatized.	P13753	247.03	248.52	1.49						

Rio Algom Exploration Inc.

DIAMOND DRILL RECORD

HOLE No. KL-90-02

PAGE 21 of 22

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH							
from	to			from	to								
		248.52-252.18 homogeneous ash or flow											
		252.18-253.22 Three 2-5cm. pyritic-carbonatized zones, up to 5% pyrite.	P13754	252.18	253.22	1.04							
		253.22-256.63 trace pyrite, 1-2% small dark green mafic fragments.											
		256.63-259.68 locally 3-5% disseminated pyrite.											
		259.68-260.50 two 3cm. pyritic (10%) carbonatized zones.	P13755	259.68	260.50	.82							
		260.50-264.25 Dark green, fine grained, trace coarse disseminated pyrite.											
		264.25-265.17 carbonatized, up to 10% coarse pyrite locally, rare quartz carbonate stringers	P13756	264.25	265.17	.92							
		265.17-269.25 rare quartz-carbonate stringers											
269.25	276.44	MAFIC FLOWS											
		Dark green, flow sequences, dioritic centres, some flow breccia, minor epidote, silica + carbonate alteration.											



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Ministry of Natural Resources

Report of Work

DOCUMENT No. W9001-070

*Instructions - Supply required data on a separate form for each type of work to be recorded (see table below). - For Geo-technical work use form no. 1362 "Report of Work (Geological, Geophysical, Geochemical and Expenditures)".

BROOKS LAKE G. 2670

HELVONRY LAKE G. 2621

The Mining Act

Name: RIO ALGOM EXPLORATION INC. Postal Address of Recorded Holder: 2400-120 Adelaide St. W, Toronto, Ontario M5H 1W5

Prospector's Licence No.: A30260

Total Work Days Cr. claimed 2826	Mining Claim			Mining Claim			Mining Claim		
	Prefix	Number	Work Days Cr.	Prefix	Number	Work Days Cr.	Prefix	Number	Work Days Cr.
for Performance of the following work. (Check one only) <input type="checkbox"/> Manual Work <input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work. <input type="checkbox"/> Compressed Air, other Power driven or mechanical equip. <input type="checkbox"/> Power Stripping <input checked="" type="checkbox"/> Diamond or other Core drilling <input type="checkbox"/> Land Survey	K	1017773	100	K	1058341	160	K	1106208	100
		1017774	106		1058342	160		1106209	100
		1017775	110		1058343	160		1106210	100
		1017776	110		1058350	160		1106211	100
		1017777	120		1019216	160		1106212	100
		1017778	120		1019217	160		1106213	100
		1017799	120		1019218	160			
		1058340	160		1106207	160			

All the work was performed on Mining Claim(s): K10177776 (753) K1019216 (1166) K1106207 (907)

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

Advance Diamond Drilling
 P.O. Box 1323,
 2090 Riverside Drive
 Timmins, Ontario
 P4N 7J8

Boyles T38

KENORA MINING DIV.
RECEIVED
 MAR 30 1990
 AM 7891011 12123456 PM

Date of Report: Mar. 26, 90
 Recorded by (Signature): *[Signature]*

Certification Verifying Report of Work

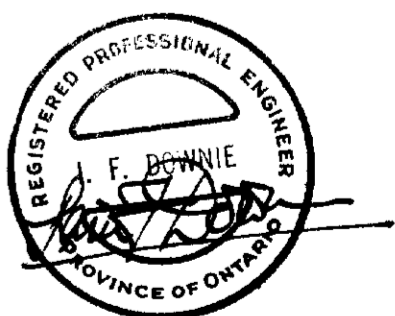
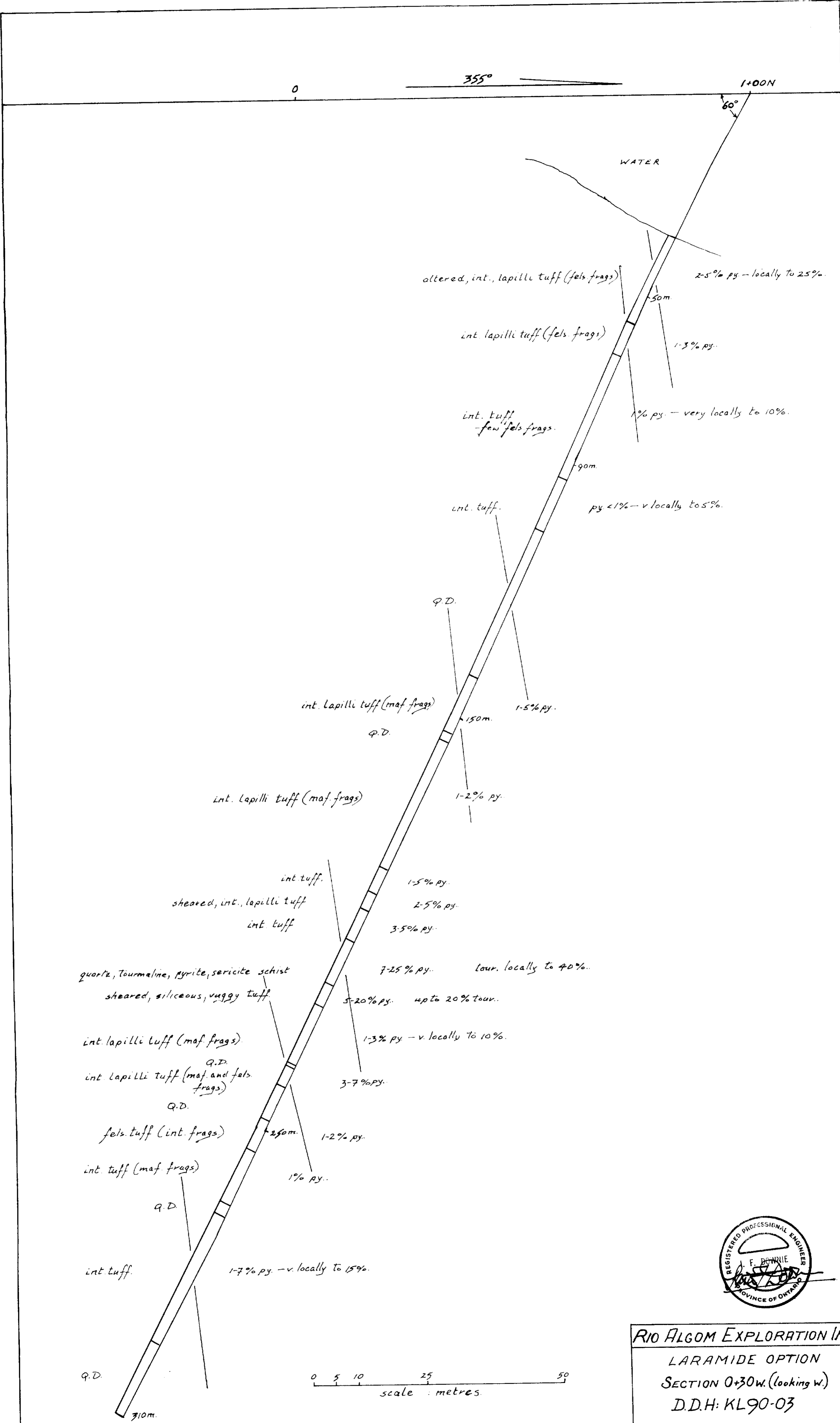
I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying: Iain F. Downie, 2035 Montrose Pl., RR#4, Site 3, Box 19, Thunder Bay, Ontario P7C 4Z2

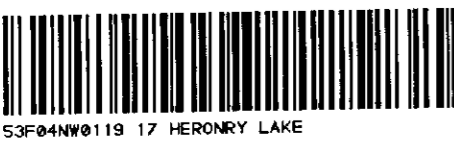
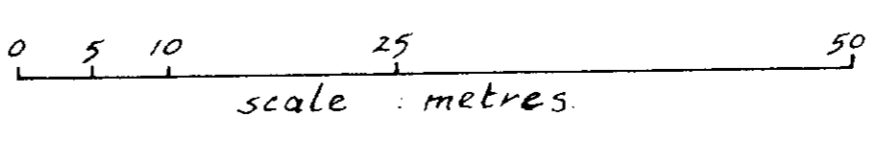
Date Certified: 26/03/90
 Certified by (Signature): *[Signature]*

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	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	Names and addresses of owner or operator together with dates when drilling/stripping done.	Work Sketch (as above) in duplicate
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.		
Diamond or other core drilling	Signed core log showing: footage, diameter of core, number and angles of holes.	1017773	
Land Survey	Name and address of Ontario land surveyor.	Nil	Nil



RIO ALGOM EXPLORATION INC.
 LARAMIDE OPTION
 SECTION 0+30w. (looking W.)
 D.D.H: KL90-03
 IFD
 Mar. '90. NTS: 52F4.



14003.

355°

KL90-04

0+40N.

ice

58°

water

organic mud

70m.
sand
and
gravel
boulders.

Altered Intermediate Tuff.

3-5% py. - locally 10%.

quartz, sericite schist

altered int. tuff.

1-3% diss. py.

2-5% diss. py. - Locally to 10%.

silicified tuff

1-3% diss. py. - to 5%.

vuggy, sheared, silicified tuff

3-5% diss. py.

vuggy, sheared, silicified fragmental

3-7% diss. py.

lost core

brecciated, silicified tuff

3% py. - v. local zones of 10±%

Q.D. Dyke

vuggy, sheared, silicified fragmental

1-3% - locally to 10% py.

vuggy, int(?) lapilli tuff

1-2% py.

3-5% diss. py.

silicified tuff

trace of foliation.

3% diss. py. - locally 5-10%.

brecciated, silicified tuff (locally vuggy)

5-7% py. - locally up to 20±%

silicified tuff

2% diss. py.

silicified solution(?) breccia

3-5% f.g. diss. py.

Q.D. Dyke.

sheared, silicified tuff - locally brecciated.

3% diss. py. - locally to 10%.

silicified tuff

1-5% py.

brecciated, silicified tuff

275m.
5-10% py. - up to 20±%

rhyolitic (feldspar crystal) tuff. 3-5% py.

brecciated siliceous tuff. 5-10% py.

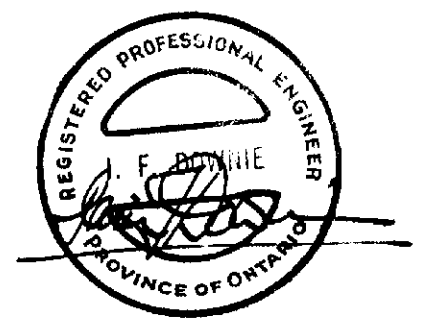
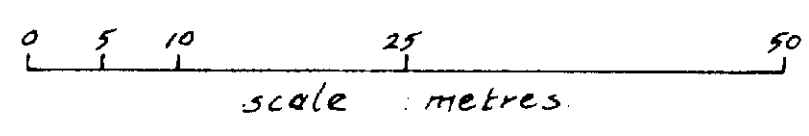
rhyolitic (feldspar crystal) tuff. 3-5% py.

brecciated, siliceous tuff. 5-7% py. overall - locally to 20±%

major contact

altered Q.D.

355.4m.



RIO ALGOM EXPLORATION INC.
 MARBANK OPTION
 SECTION 6+00 W (looking w.)
 DDH: KL90-04.

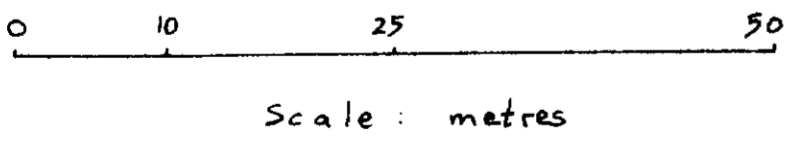
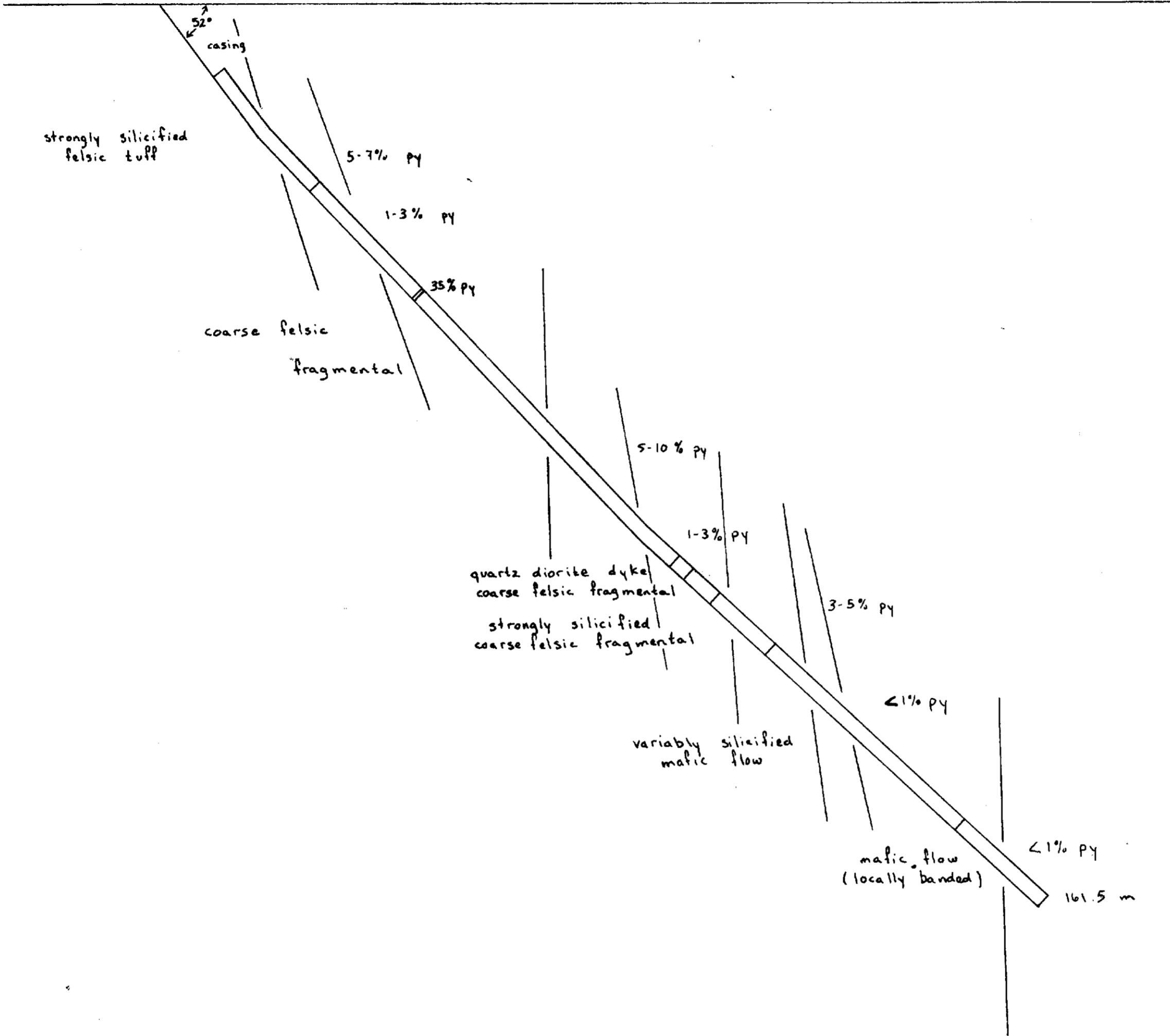
IFD
 Mar '90 NTS: 52 F4.



53F84N0119 17 HERONRY LAKE

2+50 N

L 36 E



RIO ALGOM EXPLORATION INC.

KAKAGI LAKE
SECTION 3+60 E
D.D.H: KL90-05

TWN
Mar '90 NTS: 52 F 4



L9E

0+50 N

60°
casing

chlorite - sericite schist
(mafic to intermediate meta-tuff)

sericitized / sheared mafic
to intermediate meta-tuff

qtz diorite dyke
silicified / sheared mafic to intermediate meta-tuff

mafic flow

intermediate meta-tuff

intermediate crystal-lapilli meta-tuff

strongly silicified / sericitized
intermediate lapilli meta-tuff

silicified / sericitized mafic to
intermediate meta-tuff

intermediate to mafic
felsic fragmental meta-tuff

silicified intermediate meta-tuff

silicified intermediate fragmental meta-tuff

192 m

1-2% py

1% py

1% py

1% py

1% py

1% py

1% py

1% py

1% py

1% py

1% py

1% py

1% py

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1% py

1% py

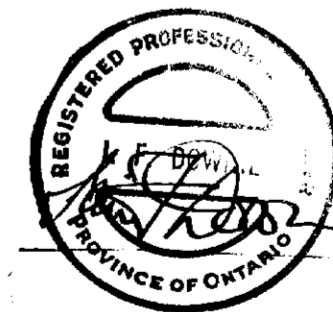
1% py

1% py

1% py

1% py

0 5 10 25 50
scale : metres



RIO ALGOM EXPLORATION INC.

KAKAGI LAKE

SECTION 9+00E

D.D.H. KL90 06

TWJ

Mar '90

NTS: 52F4



KL90-02.

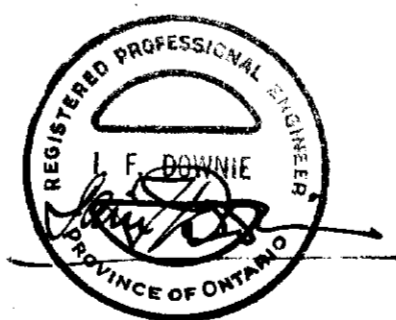
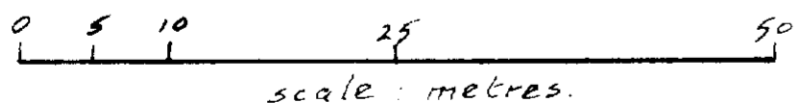
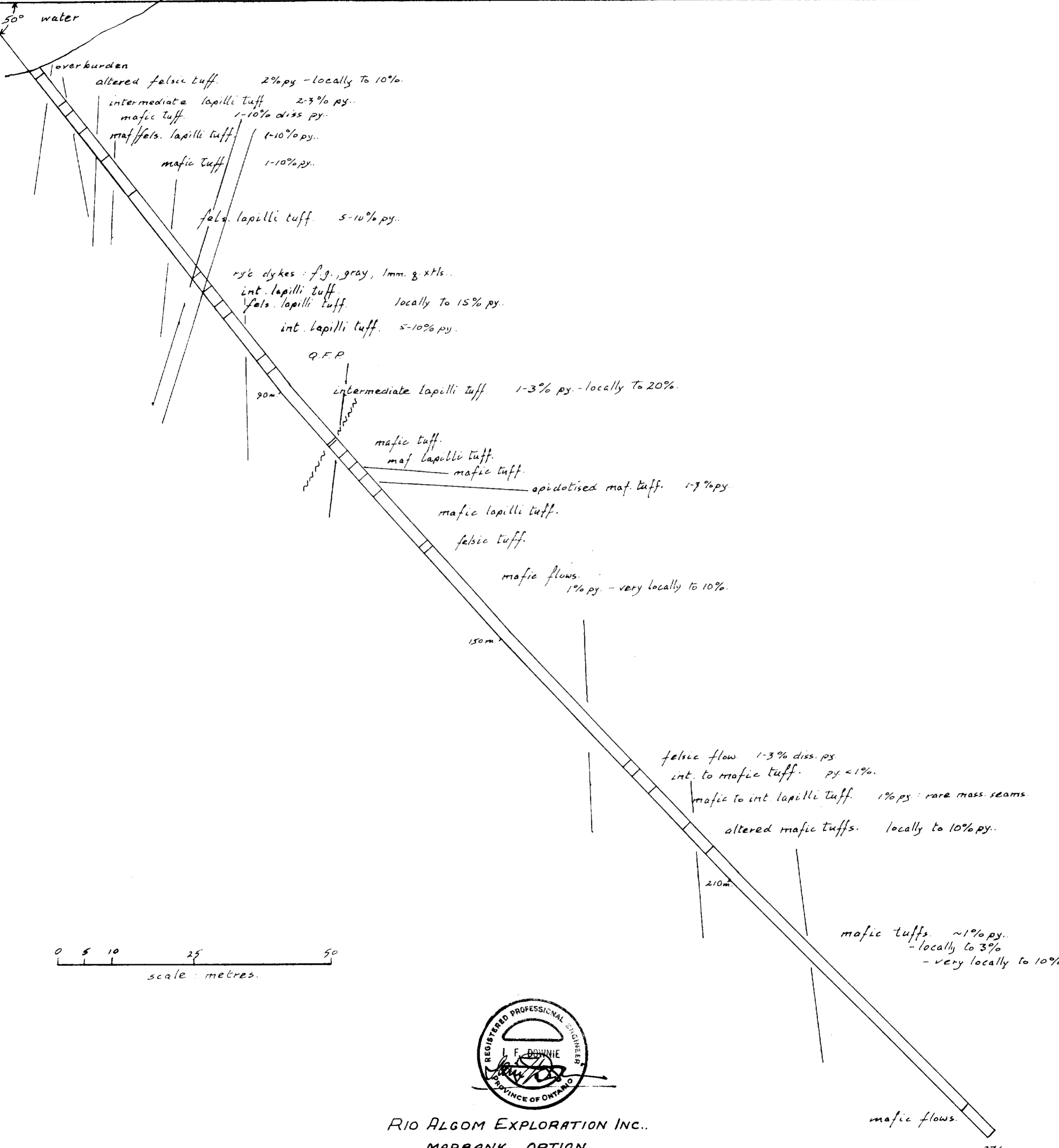
1+505.

HAY 13.
1+005.

355°

0+00

DATUM - LAKE LEVEL



RIO ALGOM EXPLORATION INC.
 MARBANK OPTION
 SECTION 18+15W (looking W)
 DDH: KL90-02

IFD
 Mar. 90.

NTS: 52F4.



53F04NW0119 17 HERONRY LAKE

KL 90-01

3550

BLO

2+005

50°

water

gravel
mafic tuff

mafic lapilli tuff

intermediate lapilli
tuff

mafic flows

intermediate to mafic
lapilli tuff

mafic tuff

intermediate
lapilli tuff

intermediate lapilli tuff
(heterolithic)

felsic lapilli tuff

felsic tuff

felsic lapilli tuff
(heterolithic)

intermediate lapilli
tuff

mafic flow

felsic tuff
mafic flow
felsic tuff
mafic tuff

intermediate tuff

intermediate
lapilli tuff

intermediate
lapilli tuff

upto 20% py

2% py

felsic tuff

intermediate lapilli
tuff

felsic tuff

12% py

intermediate lapilli
tuff

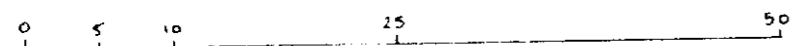
felsic tuff

1% py

intermediate to mafic
flows and dykes

intermediate lapilli
tuff

229.5 m



Scale: meters



Rio Algom Exploration Inc.

MARBANK OPTION

Section: 24+00 W (looking W)

DDH: KL 90-01

TWN
March '90

NTS: 52 F4



53F04NW0119 17 HERONRY LAKE