



52F05SW0101 39 DOGPAW LAKE

010

# Diamond Drilling

Area Dogpaw Lake

Report N<sup>o</sup> 39

Work performed by: Riocanex Inc.

Claim N <sup>o</sup>	Hole N <sup>o</sup>	Footage	Date	Note
K 590362	2	1507	June/83	(1)
	3	2816	July/83	(1)
	<u>2</u>	<u>4323'</u>		

Notes: (1) #169-83

# RIOCANEX INC.

## DIAMOND DRILL RECORD

HOLE No.: 2

PAGE 1 of

LOCATION: L 3+00m N 0+22m W

AZIMUTH : 045° Grid East

DIP : -55°

LENGTH : 459.33m(1507') ELEVATION:

PROPERTY: Weisner Lake Option  
Dogpaw Lake Area

STARTED: June 17, 1983

CORE SIZE: BQ DATE LOGGED: June, 1983

CLAIM No.: K 590362, 615457

COMPLETED: June 24, 1983

DIP TESTS: 61m: -55° 183m: -49° 305m: -43° 122m: -53°  
244m: -47° 366m: -39° 427m: -34°

SECTION :

PURPOSE: To test mineralized tuff horizon at depth

LOGGED BY: W. Benham *[Signature]*

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH							
from	to			from	to								
0	1.83	Overburden											
1.83	12.65	Feldspar Porphyritic Tuff											
		Grey to dark grey, fine-medium grained, hard siliceous, dacitic to rhyolitic in composition. 5% 1mm white feldspar phenocrysts											
		Well fractured, vague foliation at 35° C/A											
		Occasional 0.5-1 cm felsic fragments											
12.65	15.39	Cherty Tuff											
		Aphanitic, light grey to grey very siliceous, finely laminated at 35°											
		14.94-15.39											
		Feldspar porphyritic lapilli tuff											
15.39	21.64	Rhyolite											
		Very fine grained, light grey, brown grey, green grey											
		Well fractured, core very blocky and broken											
		Trace fine pyrite											

KENORA  
MINING DIV.

RECEIVED

DEC 16 1983

AM 7 8 9 10 11 12 1 2 3 4 5 6 PM

# RIOCANEX INC.

## DIAMOND DRILL RECORD

HOLE No. : 2

PAGE 2 of

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH							
from	to			from	to								
21.64	47.64	Dacite Fine grained, grey green, moderately hard, locally feldspar porphyritic Massive to vaguely banded at 30-35°											
47.64	49.23	Feldspar Porphyry Dark grey green 15-20% white 1mm feldspar phenocrysts in a green chloritic matrix Upper contact at 20° Lower contact at 35°											
49.23	52.36	Rhyolite Very fine grained, siliceous, hard Grey to light green grey, fractured Numerous hairline carbonate veinlets 50.3-50.9 Sericitic, light yellow green Brecciated and sheared at 45° 5% quartz carbonate < 1% pyrite											
52.36	54.50	Feldspar Porphyry Dark green, chloritic 15% feldspar phenocrysts											
54.50	58.89	Dacite											

# RIOCANEX INC.

## DIAMOND DRILL RECORD

HOLE No. : 2

PAGE 3 of

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH							
from	to			from	to								
		Grey to dark grey green massive, locally feldspar porphyritic											
58.89	70.00	Dacite Tuff Green to grey Well laminated at 35° Locally massive and mottled by chloritic spots											
		69.0-70.0 More siliceous, 1% sulphides pyrrhotite, pyrite, sphalerite chalcopyrite											
70.00	97.69	Feldspar Porphyritic Tuff to Lapilli Tuff Green, 20% 1-2mm white feldspar phenocrysts in a chloritic biotitic green brown matrix Scattered irregular 0.5-2 cm more mafic feldspar porphyritic fragments. Occasional dark quartz eyes in matrix Trace pyrite											
97.69	99.24	Rhyolite Very fine grained, very siliceous light greenish grey, fractured, trace pyrite											
99.24	105.92	Dacite Fine grained, grey green, hard, massive											

# RIOCANEX INC.

## DIAMOND DRILL RECORD

HOLE No. : 2

PAGE 5 of

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH									
from	to			from	to										
		1-2% feldspar phenocrysts green grey, vague foliation Lower contact sharp at 40° 139.14-139.51													
		Sheared at 20°, chloritic, 10% grey quartz carbonate veining trace pyrite, sphalerite													
142.50	162.06	Dacite Fine grained, dark green, hard Locally vaguely feldspar porphyritic Numerous hairline, white carbonate veinlets													
162.06	165.96	Rhyolite Tuff Grey to pink grey cherty bands at 50° Locally, sericitic, talcose and chloritic Trace pyrite													
165.96	185.20	Rhyolite - Dacite Pink grey to dark grey, brown green biotitic, weakly chloritic, darker with depth. 1% sulphides, pyrrhotite, pyrite, trace chalcopyrite, 168.1 1.5 cm white quartz vein at 25° with 1% chalcopyrite, 1% pyrite													

# RIOCANEX INC.

## DIAMOND DRILL RECORD

HOLE No. : 2

PAGE 4 of

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH							
from	to			from	to								
		Trace pyrite, sphalerite at upper contact											
105.92	112.90	Feldspar Porphyritic Tuff											
		Brown green, medium grained, uniform. 5%											
		1-2mm feldspar phenocrysts, occasional dark quartz eye.											
		1% finely disseminated pyrite and pyrrhotite											
112.90	127.35	Dacite - Rhyolite Tuff											
		Green to pink grey, locally very siliceous and aphanitic											
		Massive to well banded at 40°											
		Upper contact gradational											
		Lower contact sharp at 40°											
		112.90-113.20											
		5% disseminated pyrrhotite < 1% chalcopyrite											
		115.7-115.8											
		1% finely disseminated chalcopyrite, 1% pyrrhotite											
127.35	142.60	Feldspar Porphyritic Tuff											
		127.35-134.7											
		15% 1-2mm in dark grey green matrix											
		134.7-142.60											

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## DIAMOND DRILL RECORD

HOLE No. : 2

PAGE 7 of

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH						
from	to			from	to							
		191.10-223.40										
		Dark brown green										
		Chloritic fractures										
		Mottled by chloritic spots in biotitic matrix										
		197.20-204.52										
		Light brown grey, locally banded at 45-50°										
		223.4-233.2										
		Brown grey, < 1% pyrite blebs and stringers										
		226.47-226.65										
		1% chalcopyrite as fracture fillings										
		One 0.5 cm bleb										
		229.2-229.3										
		Chloritic quartz carbonate shear at 50-55°										
233.2	236.3	Chloritic Shear Zone										
		10-15% quartz carbonate stringers in moderately to well sheared chloritic matrix. 20°-55° < 1% pyrite										
		Potassic alteration										
		233.9-234.7										
		Coarse grained, magnetic chloritic gabbro dyke										
		235.1										
		1.5 cm fault gouge at 50°										

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## DIAMOND DRILL RECORD

HOLE No. : 2

PAGE 6 of

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH						
from	to			from	to							
		168.19-168.34										
		3% finely disseminated chalcopyrite										
		1% pyrite, 1% pyrrhotite										
		170.38-185.20										
		Scattered 0.5-2.0 cm oval pyrite and										
		pyrrhotite "fragments"										
		Trace chalcopyrite										
185.20	191.10	Rhyolite Tuff										
		Brown grey, cherty, biotitic										
		Finely laminated at 45-50°										
191.10	233.2	Altered Rhyolite Tuff										
		Medium grained, green brown grey										
		Up to 20% brown biotitic matrix										
		Blue grey quartz-feldspar										
		Chloritic fractures										
		Pyrite, chalcopyrite as irregular stringers,										
		disseminated and splashes. 10% sulphides										
		191.1-195.1										
		0.5% chalcopyrite, finely disseminated,										
		along fractures and in pyrrhotite stringers										
		1% pyrrhotite										
		197.36										
		Three, 1-2mm irregular chalcopyrite, pyrite										
		stringers at 20°, 45° and 60°										



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## DIAMOND DRILL RECORD

HOLE No.: 2

PAGE 8 of

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH							
from	to			from	to								
		235.4-236.3											
		Sheared chloritic, magnetic gabbro											
236.30	249.84	Dacite Tuff											
		Fine - medium grained, dark brown green											
		to green											
		Locally feldspar porphyritic											
		Numerous hairline quartz carbonate veinlets											
		with bleached margins											
		1% pyrite, pyrrhotite											
		246.58-249.84											
		Grey green, more siliceous											
		247.8-249.9											
		1-2% chalcopyrite, disseminated and in											
		fractures, 1% pyrrhotite											
		247.83-248.23											
		5% pyrrhotite, 3% chalcopyrite in chlori-											
		tic quartz carbonate veining and fractures											
		at 45-50°											
		249.02-249.42											
		Silicified											
		1-2% chalcopyrite along fractures and											
		disseminated 1% pyrite											
249.84	253.69	Feldspar Porphyritic Tuff											
		10%, 1mm white feldspar phenocrysts in a											

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## DIAMOND DRILL RECORD

HOLE No.: 2

PAGE 9 of

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH							
from	to			from	to								
		brown green chloritic biotitic mottled matrix											
		250.73											
		2mm quartz carbonate vein at 50° with 2% chalcopryrite along contacts and in wall rock											
253.69	260.15	Dacite-Rhyolite Tuff											
		Fine grained, brown grey green											
		Siliceous, carbonate veinlets and chloritic fractures											
		Foliation at 50°											
		Upper contact sharp at 55°											
		Lower contact sharp at 50°											
260.15	264.26	Feldspar Porphyritic Lapilli Tuff											
		Medium grained, brown green											
		0.5 cm dark green mafic chloritic fragments											
		261.6-262.5											
		1-2% finely disseminated to 3mm chalco- pyrite splashes											
264.26	273.86	Cherty Rhyolite Tuff											
		Very fine grained, light grey to pink grey, very siliceous, banding at 50-55° chloritic											
		numerous quartz carbonate veinlets											

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## DIAMOND DRILL RECORD

HOLE No. : 2

PAGE 10 of

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH								
from	to			from	to									
273.86	277.98	Dacite												
		Fine-medium grained, brown green												
277.98	284.90	Altered Dacite												
		Dark black green chloritic												
		0.2-0.5 cm irregular "fragments" in a 20-25% coarse grained brown biotitic matrix.												
284.90	289.26	Altered Feldspar Porphyritic Tuff												
		5-10%, 1-2mm white feldspar phenocrysts in a dark brown green chloritic, biotitic matrix												
		0.5 - 1% disseminated chalcopyrite, 1% disseminated pyrite, pyrrhotite												
		285.5												
		0.5 cm chloritic band at 55° with 30% disseminated chalcopyrite												
289.26	306.38	Altered Dacite												
		Fine - coarse grained, dark brown green, fractured												
		285.5-303.6												
		1% disseminated pyrite												
		1% pyrrhotite < .5% chalcopyrite												
		292.9												
		4 cm irregular white quartz carbonate vein at 70° with 30% coarse muscovite rosettes,												

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## DIAMOND DRILL RECORD

HOLE No.: 2

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INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH							
from	to			from	to								
		trace pyrite, chalcopyrite											
306.38	311.51	Dacite Tuff Brown green to dark green											
		Well laminated at 45-55° 1-2% pyrite, pyrrhotite as 1-2mm stringers parallel to bedding.											
		Trace chalcopyrite along fractures											
311.51	318.09	Altered Dacite Same as 289.26-306.38											
		1-2% pyrite, 1% pyrrhotite trace chalcopyrite											
318.09	319.64	Dacite Fine-medium grained, massive											
		Light grey green											
319.64	333.20	Cherty Rhyolite Tuff Grey, yellow green, brown green											
		Talcose, sericitic and cherty bands											
		Well laminated at 55-60° 3% pyrrhotite 2% pyrite, 1% sphalerite, 1% chalcopyrite											
		disseminated and 0.5-2mm stringers parallel to bedding. Grey to white quartz carbonate											
		veining.											
		323.7-324.7											
		1-2% sphalerite 1mm stringers and disseminated											

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## DIAMOND DRILL RECORD

HOLE No. : 2

PAGE 12 of

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH						
from	to			from	to							
		1% pyrite										
		Bedding at 60°										
		326.9-328.4										
		1-2% sphalerite, 5% pyrrhotite 1% pyrite										
		328.4-333.2										
		Sericitic bands. 5% pyrrhotite, 2% pyrite										
		1% sphalerite, trace chalcopyrite										
333.2	336.6	Massive to Semi-Massive Sulphides										
		333.2-334.2										
		25% pyrrhotite										
		5% sphalerite										
		2% chalcopyrite										
		334.2-335.1										
		60% pyrrhotite, fine grained vaguely banded										
		at 55-60° 10% pyrite, 1-5mm subhedral										
		crystals in pyrrhotite. 15% sphalerite										
		2-3 cm wide massive bands and disseminated										
		in pyrrhotite										
		10% chalcopyrite, semi massive bands, in										
		fractures and finely disseminated										
		5% quartz carbonate rounded "fragments"										
		334.8-335.1										
		25% sphalerite										
		15% chalcopyrite										
		60% pyrrhotite										

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## DIAMOND DRILL RECORD

HOLE No. : 2

PAGE 13 of

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH							
from	to			from	to								
		335.1-335.4											
		10% finely disseminated chalcopryrite in a dark grey siliceous cherty matrix											
		5% pyrrhotite, 1% sphalerite											
		335.4-336.2											
		Cherty dark grey tuff banding at 45-60°											
		10% pyrrhotite, 1% sphalerite < 1% chalcopryrite											
		335.6-335.7											
		75% pyrrhotite											
		3% sphalerite											
		2% chalcopryrite											
		15% quartz carbonate											
		Upper contact at 45°											
		Lower contact at 55°											
		336.2-336.6											
		15% chalcopryrite											
		25% sphalerite											
		5% pyrrhotite											
336.6	337.38	Cherty Tuff											
		Very siliceous, cherty tuff											
		Well laminated at 55-65°											
		Trace sulphides											

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## DIAMOND DRILL RECORD

HOLE No.: 2

PAGE 14 of

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH							
from	to			from	to								
337.38	341.04	Rhyolite Tuff											
		Dark grey to grey											
		Cherty banding at 55-60°											
		Locally brecciated, slumped											
		contorted bands e.g. 339.85											
		< 1% sulphides, pyrite, pyrrhotite											
341.04	387.10	Rhyolite - Dacite Tuff											
		Grey, locally more mafic green sections											
		Salmon pink potassic alteration 1-30 cm											
		wide. 2-5 cm black pyritic argillaceous											
		bands e.g. 377.16-377.49, 384.47-384.66 and											
		396.67-387.10											
		378.47											
		0.5 x 3 cm mafic fragment											
387.1	391.58	Rhyolite Tuff											
		Grey to light grey, medium grained											
		Feldspar and quartz porphyritic 1-5 cm wide											
		distinct feldspar porphyritic bands											
		386.7-387.1, 388.8-388.9											
		Black graphitic bands											
391.58	395.10	Rhyolite - Rhyolite Breccia											
		Very fine grained, siliceous, grey											
		Brecciated 2% 1mm clear quartz eyes											

# RIOCANEX INC.

## DIAMOND DRILL RECORD

HOLE No. : 2

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INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH							
from	to			from	to								
395.10	420.22	Graphitic Tuff											
		395.1-396.1											
		80% graphite, 10-15% pyrite											
		trace sphalerite vuggy											
		396.1-420.22											
		grey felsic and black graphitic banding at											
		65-90°, some slumping											
		Graphitic bands 0.1-15 cm wide with 5-10%											
		pyrite stringers											
		396.1-411.5											
		banding at 65-70°											
		411.5-420.2											
		banding at 70°-90°											
		415.8-416.7											
		15% graphite, 5% pyrite											
420.22	426.54	Rhyolite											
		Light grey to yellow grey											
		aphanitic, locally sericitic siliceous, well											
		fractured, brittle											
426.54	429.92	Rhyolite Tuff to Lapilli Tuff											
		Grey, medium grained 1-2mm felsic and mafic											
		fragments, uniform minute clear quartz eyes											
		Upper contact at 70°											
		Lower contact at 80°											



# RIOCANEX INC.

## DIAMOND DRILL RECORD

HOLE No.: 2

PAGE 16 of

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH							
from	to			from	to								
429.92	458.88	Rhyolite Tuff											
		Very fine grained, locally distinct fine bedding at 70°											
		Occasional 4-8 cm medium grained grey tuffaceous fragments											
		Light yellow sericitic alteration along fractures, 20-100%											
		433.4-434.9											
		Graphitic shearing at 50-55° brecciated, 0.5 cm quartz veining. 3% pyrite											
		434.9-447.6											
		Hematitic stained fractures											
		447.60-455.07											
		Darker grey, sericite alteration less intense											
458.88	End	Rhyolite Agglomerate											
		3-15 cm quartz porphyritic rhyolite tuff fragments, e.g. 426.92-429.92, in very fine grained yellow grey rhyolite tuff matrix e.g. 429.92-458.88											
	459.33	End of Hole											

# RIOCANEX INC.

## DIAMOND DRILL RECORD

HOLE No. : 2

PAGE 16 of

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH							
from	to			from	to								
429.92	458.88	Rhyolite Tuff											
		Very fine grained, locally distinct fine bedding at 70°											
		Occasional 4-8 cm medium grained grey tuffaceous fragments											
		Light yellow sericitic alteration along fractures, 20-100%											
		433.4-434.9											
		Graphitic shearing at 50-55° brecciated, 0.5 cm quartz veining. 3% pyrite											
		434.9-447.6											
		Hematitic stained fractures											
		447.60-455.07											
		Darker grey, sericite alteration less intense											
458.88	End	Rhyolite Agglomerate											
		3-15 cm quartz porphyritic rhyolite tuff fragments, e.g. 426.92-429.92, in very fine grained yellow grey rhyolite tuff matrix e.g. 429.92-458.88											
	459.33	End of Hole											

# RIOCANEX INC.

## DIAMOND DRILL RECORD

LOCATION: L500N 1+25W

HOLE No.: 3  
PAGE 1 of 24

AZIMUTH: 045° Grid East

858.3

DIP: -62°

LENGTH: ~~703.2m~~ ~~2307'~~

ELEVATION: ~~703.2m~~ ~~2307'~~

PROPERTY: Weisner Lake Option, Dogpaw Lake Area

STARTED: July 21, 1983

CORE SIZE: B0

DATE LOGGED:

CLAIM No.: K590362, 590361

COMPLETED: August 4, 1983

DIP TESTS: (see page 18)

SECTION: 5N

PURPOSE:

LOGGED BY: W. Benham *W. Benham*

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH							
from	to			from	to								
0	1.2	Overburden											
1.2	196.8	Gabbro											
		1.2-4.9											
		Coarse grained, dark green massive hornblende gabbro											
		4.9-8.8											
		Fine grained, sheared at 15-20°											
		Numerous carbonate stringers											
		8.8-19.2											
		Coarse grained massive hornblende gabbro											
		19.2-28.0											
		Feldspathic quartz gabbro 30% white feldspar, blue quartz											
		28.0-36.8											
		Medium to coarse grained hornblende gabbro											
		36.8-52.4											
		Light green to grey green bleached quartz gabbro with bluish quartz											
		52.4-68.7											
		Dark green coarse grained massive gabbro with occasional blue quartz											

KENTON  
MINING DIV.

DEC 16 1983

AM 7:18 9:10 11:12 1:23 4:56 PM

# RIOCANEX INC.

## DIAMOND DRILL RECORD

HOLE No. : 3

PAGE 2 of 24

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH							
from	to			from	to								
		68.7-106.8											
		Coarse grained, dark green massive gabbro											
106.8	115.2	Rhyolite											
		Fine grained, light grey, hard fairly massive											
115.2	133.8	Dacite - Rhyolite Tuff											
		Fine grained, light grey to light green, occasional vague fragments. Locally chloritic spotted texture over widths of 10 cm											
133.8	136.1	Rhyolite											
		Very fine grained, grey, siliceous											
		Numerous dark chloritic fractures											
136.1	168.2	Rhyolite Tuff											
		Grey to green grey											
		Occasional distinct											
		0.2-1 cm fragments											
		166.6-168.2											
		Finely laminated, cherty contorted, slumped											
		25-40°, lower contact at 25°											
168.2	182.9	Rhyolite Tuff to Lapilli Tuff											
		0.1-2 cm rhyolite fragments in a grey green siliceous											
		hard matrix. Occasional feldspar porphyritic dark											

# RIOCANEX INC.

## DIAMOND DRILL RECORD

HOLE No. : 3

PAGE 3 of 24

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH						
from	to			from	to							
		grey fragments										
182.9	202.1	Feldspar Prophyritic Tuff										
		Fine grained, green to brown green										
		Few distinct 0.1-0.5 cm dark green fragments										
		5-10% white feldspar phenocrysts										
202.1	228.0	Rhyolite Tuff										
		Fine grained, pink grey - green										
		Mottled										
		Vague fragments, locally more massive and siliceous										
		219.5-221.6										
		Fine grained with chloritic fractures										
228.0	252.5	Feldspar Porphyritic Tuff and Rhyolite Tuff										
		Green, 3% white feldspar phenocrysts with grey green										
		more massive rhyolite tuff sections										
		Fractured and blocky										
		228.3-230.6										
		Brecciated and sheared at 10-15°, chloritic										
252.5	265.9	Rhyolite Tuff										
		Altered, pink brown grey - green.										
		Mottled by green chloritic ovals in brown grey										
		matrix. Lower contact at 35°										

# RIOCANEX INC.

## DIAMOND DRILL RECORD

HOLE No. : 3

PAGE 4 of 24

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH							
from	to			from	to								
265.9	273.1	Cherty Rhyolite Tuff Grey to light grey Finely laminated at 35°-40°											
273.1	279.7	Rhyolite Tuff Grey to dark green grey Locally vaguely banded chloritic fractures											
279.7	288.1	Dacite Tuff Green-green grey, vaguely feldspar porphyritic Tuffaceous with no distinct banding											
288.1	291.1	Feldspar Porphyritic Tuff to Lapilli Tuff Light green, locally distinct subrounded 1-5mm quartz porphyritic rhyolite fragments 3% feldspar phenocrysts, <1% clear quartz eyes											
291.1	302.4	Cherty Rhyolite Tuff grey to green grey Locally well laminated at 40-45°											
302.4	305.3	Feldspar Porphyritic Tuff Pink grey to green <1% white feldspar phenocrysts											

# RIOCANEX INC.

## DIAMOND DRILL RECORD

HOLE No. : 3

PAGE 5 of 24

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH								
from	to			from	to									
305.3	311.8	Rhyolite Tuff												
		Fine grained, grey to pink grey												
		Locally mottled												
		Laminated at 20-25°												
		307.8-311.8												
		Chloritic, fractured												
		Numerous carbonate veinlets												
		Trace pyrite												
311.8	341.1	Cherty Rhyolite Tuff												
		Light grey to grey, pink grey and green grey												
		Well laminated at 30-40°												
		Locally chloritic mottled bands chloritic fractures												
341.1	352.1	Feldspar Porphyritic tuff												
		Green to brown green												
		3% white feldspar phenocrysts												
		Trace pyrite, pyrrhotite												
352.1	373.8	Cherty Rhyolite Tuff												
		Grey, brown grey to green grey												
		Well laminated at 35-50° avg. 45°												
		Blebs, seams and wisps of pyrrhotite with trace												
		chalcopyrite and pyrite, 1% sulphides												
		Locally sericitic e.g. 356.6-357.8												

# RIOCANEX INC.

## DIAMOND DRILL RECORD

HOLE No. : 3

PAGE 6 of 24

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH							
from	to			from	to								
		0.3-0.6m medium grained tuffaceous sections with distinct 1-3mm fragments											
		367.2, 367.0, 369.5											
		1-2mm quartz carbonate seams with disseminated sphalerite and pyrite											
		369.1-369.4											
		Mottled, chloritic spots											
373.8	381.5	Dacite Tuff											
		Green to dark green grey											
		Feldspar porphyritic											
		Medium grained, 1-2mm fragments											
		Vaguely banded at 40°											
		< 1% sulphides, pyrrhotite, pyrite, trace sphalerite											
		Contacts at 35°											
381.5	382.2	Cherty Rhyolite Tuff											
		Pink grey-brown grey											
		Well laminated at 40°											
		Disseminated sphalerite over 10 cm at upper contact											
		<1% sulphides, pyrite, pyrrhotite chalcopryrite and sphalerite											
		382.0											
		0.5 cm pyrrhotite seam at 45° with trace chalcopryrite, pyrite											



# RIOCANEX INC.

## DIAMOND DRILL RECORD

HOLE No.: 3

PAGE 7 of 24

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH							
from	to			from	to								
382.2	384.6	Dacite Tuff											
		Medium grained green tuff similar to 373.8-381.5											
		grading into finer grained brown grey more siliceous tuff. Trace sphalerite											
		383.7-384.2											
		1-2 cm pyrite blebs with trace sphalerite											
384.6	385.2	Feldspar Porphyritic Tuff											
		Dark grey green											
		2% feldspar phenocrysts											
385.2	390.8	Rhyolite Tuff											
		Brown grey - grey, medium grained, 1-3mm fragments											
		chloritic patches											
		389.5-390.1											
		5% pyrite as 0.5-3 cm blebs and seams, trace											
		pyrrhotite, sphalerite											
390.8	409.3	Cherty Rhyolite Tuff											
		Pink brown grey, grey, light grey											
		Well laminated at 35-45°											
		More massive, mottled sections											
		Locally brecciated by quartz carbonate veinlets											
		396.4-398.5											
		Coarser grained tuff, feldspar porphyritic											

# RIOCANEX INC.

## DIAMOND DRILL RECORD

HOLE No. : 3

PAGE 8 of 24

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH							
from	to			from	to								
409.3	412.6	Feldspar Porphyritic Tuff Dark grey green 5% feldspar phenocrysts											
412.6	427.5	Dacite Tuff Dark green brown grey, grey chloritic fractures Locally biotitic and mottled Massive to well laminated at 35-40° <1% finely disseminated pyrite, chalcopyrite, pyrrhotite											
427.5	434.2	Cherty Tuff Light grey, well laminated at 40-45° Trace pyrite											
434.2	456.6	Dacite Tuff Same as 412.6-427.5 437.6-437.9 Grey white quartz carbonate chlorite vein at 50-65° 0.1-2 cm pyrite blebs and stringers, trace pyrrhotite, and chalcopyrite. <1% sulphides											
456.6	459.6	Cherty Tuff Grey to pink grey Well laminated at 45°											

# RIOCANEX INC.

## DIAMOND DRILL RECORD

HOLE No. : 3

PAGE 9 of 24

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH							
from	to			from	to								
459.6	461.7	Gabbro (Diabase)											
		Medium grained, dark green chloritic, magnetic.											
		Quartz carbonate veinlets											
		< 1% pyrite											
		Contacts at 55°, lower contact sheared											
461.7	471.4	Dacite Tuff											
		Green to pink grey											
		Weak chloritic mottling											
471.4	474.9	Gabbro (Diabase)											
		Same as 459.6-461.7											
		Sheared at 65°											
474.9	484.8	Rhyolite Tuff											
		Light grey, chloritic, fractured											
		Quartz carbonate veining											
		Very carbonaceous											
484.8	495.7	Rhyolite Tuff											
		White, grey, light grey, more siliceous											
		Banded at 45°											
		Bleached fractures, weakly carbonaceous, locally chloritic mottling											

# RIOCANEX INC.

## DIAMOND DRILL RECORD

HOLE No.: 3

PAGE 10 of 24

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH						
from	to			from	to							
495.7	500.1	Rhyolite Breccia										
		Very fine grained, creamy white to hematitic red										
		Sericite, hematite and quartz carbonate filled										
		fractures										
		498.0										
		2 cm fault gouge										
		496.7-497.0										
		Finely banded at 35°										
500.1	502.9	Rhyolite Tuff										
		Green grey, pink grey										
		Weakly hematitic, carbonaceous										
		Banding at 35-40°										
502.9	505.4	Rhyolite Breccia										
		Grey green, sericitic, fractured										
		Trace pyrite										
505.4	506.7	Rhyolite Tuff										
		Medium grained, creamy green grey, chloritic										
		flecks, green carbonate, strongly carbonaceous										
		1% finely disseminated pyrite 2% quartz carbonate										
		veining										
		506.6										
		1 cm fault gouge at 35°										

# RIOCANEX INC.

## DIAMOND DRILL RECORD

HOLE No.: 3

PAGE 11 of 24

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH							
from	to			from	to								
506.7	514.1	Rhyolite Breccia											
		White, grey, green grey											
		Very fine grained, brecciated, sericitic, chloritic											
		Trace pyrite											
		513.1-514.1											
		Fragments of pyritic green tuff in chloritic sericitic breccia											
514.1	514.7	Rhyolite Tuff											
		Grey green, carbonaceous, chloritic											
		Similar to 505.4-506.7											
		<1% finely disseminated pyrite											
		Contacts at 25°											
514.7	539.6	Rhyolite Breccia											
		Very fine grained, green, grey, purple grey, creamy yellow sericitic,											
		Brecciated angular to subangular fragments in chloritic quartz carbonate matrix											
		Locally bleached fractures and more siliceous											
539.6	541.5	Dacite to Rhyolite Tuff											
		Green to light grey, tuffaceous											
		Locally finally laminated at 40°											
		Brecciated and fractured											

# RIOCANEX INC.

## DIAMOND DRILL RECORD

HOLE No. : 3

PAGE 12 of 24

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH							
from	to			from	to								
		Upper contact at 60°											
		Lower contact at 55°											
541.5	548.0	Rhyolite Tuff											
		Grey to dark grey											
		Medium grained, uniform											
		Lower contact at 25°											
		Quartz carbonate veinlets											
		Weakly chloritic											
548.0	551.2	Rhyolite											
		Very fine grained, weakly chloritic											
		Massive or very fine grained tuff											
		550.8-551.2											
		Banded at 30°											
551.2	556.3	Rhyolite Tuff											
		Medium grained, Green grey, uniform											
		Quartz carbonate veining											
		Lower contact at 30°											
556.3	561.7	Cherty Rhyolite Tuff											
		Grey, light grey, green											
		Fine grained, well laminated at 35°											

# RIOCANEX INC.

## DIAMOND DRILL RECORD

HOLE No. : 3

PAGE 13 of 24

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH						
from	to			from	to							
561.7	564.6	Rhyolite Breccia Grey, creamy grey, siliceous brecciated rhyolite with chloritic matrix. Quartz carbonate veining										
564.6	572.7	Rhyolite Tuff to Agglomerate Green, white, carbonaceous Brecciated .5 to 5 cm fragments Hairline quartz carbonate and chloritic fractures Banding at 50°										
572.7	577.9	Brecciated Rhyolite or Rhyolite Tuff Grey, white, creamy white Brecciated Quartz carbonate and chlorite fitted hairline fractures Locally banded at 45-50° Lower contact sharp at 45°										
577.9	581.9	Altered Rhyolite Tuff 577.9-280.3 light green tuff, medium grained Trace sphalerite, 1% fine pyrite light maroon garnets 5-10% qtz carbonate veining										

# RIOCANEX INC.

## DIAMOND DRILL RECORD

HOLE No. : 3

PAGE 14 of 24

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH						
from	to			from	to							
		579.5										
		8 cm chloritic quartz carbonate band at 50°										
		with 20% 2mm light maroon garnets										
		280.3-281.9										
		Dark brown green sheared at 45-50°										
		Biotitic, chloritic										
		< 1% fine pyrite trace honey sphalerite										
		10-15% Qtz. carbonate veining										
581.9	591.7	Rhyolite Tuff to Lapilli Tuff										
		Dark green grey, very hard										
		Fine grained with fragments up to 1.0 cm										
		Carbonaceous										
		Feldspar porphyritic sections										
		Lower contact at 35°										
591.7	596.7	Cherty Rhyolite Tuff										
		Dark grey, yellow green; green										
		Well laminated at 35-40°										
		5-15 cm wide chloritic mottled sections										
596.7	601.9	Diorite Dyke										
		Medium grained, grey green										
		massive carbonaceous										
		Upper contact at 45°, Lower contact at 25°										



# RIOCANEX INC.

## DIAMOND DRILL RECORD

HOLE No. : 3

PAGE 15 of 24

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH							
from	to			from	to								
		598.6-598.9											
		Rhyolite breccia inclusions											
		600.2-600.9											
		Feldspar porphyritic, rhyolite tuff inclusion											
601.9	633.5	Rhyolite Tuff											
		Dark grey, green very fine grained											
		Massive to finely laminated											
		601.9-613.3 bedding at 40-45°											
		613.3-627.3 bedding at 35°											
		627.3-633.5 bedding at 45°											
		Lower contact sharp at 45°											
		608.6-609.2											
		Medium grained, green diorite dyke											
633.5	641.5	Feldspar Porphyritic Tuff											
		Dark brown green, grey, tuffaceous?											
		Biotitic, bleached 0.2-1 cm fractures											
		10-15% 1mm feldspar phenocrysts											
		639.8-641.5											
		Fewer feldspar phenocrysts											
		Lower contact gradational											
641.5	649.2	Cherty Rhyolite Tuff											
		Green grey to dark grey											
		Well laminated at 40-45°											

# RIOCANEX INC.

## DIAMOND DRILL RECORD

HOLE No. : 3

PAGE 16 of 24

INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH						
from	to			from	to							
		Lower contact at 40°										
		Occasional chloritic mottled bands										
649.2	650.2	Feldspar Porphyritic Tuff Same as 633.5-641.5										
650.2	653.3	Rhyolite - Dacite Tuff Brown grey, green 0.1-10 cm wide feldspar porphyritic bands at 40°										
653.3	657.6	Feldspar Porphyritic Tuff Same as 633.5-641.5										
657.6	661.8	Dacite to Rhyolite Tuff Grey, dark green, light green Feldspar porphyritic bands, cherty bands and chloritic mottled sections Banding at 40-45°										
661.8	668.1	Rhyolite Tuff Green grey, pink grey, very fine grained to fine grained. Weak chloritic mottling Well laminated at 45° 664.0 10 cm sheared, chlorite talc quartz carbonate band at 45°										

# RIOCANEX INC.

## DIAMOND DRILL RECORD

HOLE No.: 3

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INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH							
from	to			from	to								
		664.4-665.8											
		Dark brown green, feldspar porphyritic lapilli tuff											
668.1	671.8	Gabbro Dykes											
		Medium grained, green, massive											
		668.1-669.3											
		Upper contact at 35°											
		Lower contact at 25°											
		669.2											
		3 cm angular medium grained granodiorite fragment											
		669.3-669.7											
		Green, well laminated at 45°											
		Dacite tuff											
		669.7-671.8											
		Dyke. Upper contact at 25°											
		Lower contact at 45°											
671.8	678.8	Feldspar Porphyritic Tuff to Lapilli Tuff											
		Green to dark green											
		Medium grained to 1.5 cm, rhyolitic and feldspar porphyritic fragments in feldspar porphyritic matrix, salmon pink potassic altered quartz veinlets											
		675.2-677.1											
		Well defined, 0.2-2 cm angular, dacite, rhyolite, massive, and feldspar porphyritic fragments in											

# RIOCANEX INC.

## DIAMOND DRILL RECORD

HOLE No.: 3

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INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH							
from	to			from	to								
		a dark green feldspar porphyritic matrix											
678.8	679.9	Dacite Tuff											
		Fine-medium grained											
		Dark brown green to light green											
		Bedding at 55°											
679.9	690.8	Feldspar Porphyritic Tuff											
		Same as 671.8-678.8											
		Lower contact at 55°											
		683.6-684.3											
		Dark green, medium grained, chloritic, biotitic,											
		tremolitic basic dyke at 30°											
690.8	697.7	Dacite Tuff											
		Fine grained, dark green											
		Banding at 45°											
		5-10 cm wide chloritic mottled bands											
		Weakly biotitic											
697.7	700.2	Feldspar Porphyritic Tuff to Lapilli Tuff											
		Same as 671.8-678.8											
700.2	716.8	Dacite Tuff											
		Dark brown green fine grained tuff with feldspar											
		porphyritic sections bleached fractures											

# RIOCANEX INC.

## DIAMOND DRILL RECORD

HOLE No. : 3

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INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH								
from	to			from	to									
		Weakly to moderately biotitic												
		Finely bedded at 45-50°												
		713.8-714.8												
		Green, medium grained basic dyke at 25-30°												
716.7	722.4	Feldspar Porphyritic Lapilli Tuff to Tuff												
		5% white feldspar phenocrysts and 10% 0.1 to 1cm												
		mafic green fragments in a fine grained green brown												
		biotitic matrix												
722.4	743.7	Dacite Tuff												
		Fine grained, green to brown green, massive with												
		occasional feldspar porphyritic sections												
		Bleached fractures												
743.7	747.4	Dacite Tuff												
		Light grey, more siliceous bands. Trace pyrite.												
		biotitic												
		Banding at 40°												
747.4	757.7	Dacite Tuff												
		Green fine grained, biotitic												
		weakly sheared at 40°												

# RIOCANEX INC.

## DIAMOND DRILL RECORD

HOLE No. : 3

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INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH									
from	to			from	to										
757.7	764.7	Feldspar Porphyritic Tuff 5-10% white feldspar phenocrysts in green biotitic matrix													
764.7	780.3	Dacite Tuff Green brown, green, light grey Finely banded at 35-45° Moderately biotitic Light grey more siliceous banding													
		769.9-772.7 Light green to creamy white siliceous, bleached micaceous													
		770.7 3 cm white quartz vein at 55° with traces of Chalcopyrite and pyrite in wallrock													
		774.4 1-3 mm sulphide stringer at 40° 50% chalcopyrite, 50% bornite Tremolite needles in wallrock													
780.3	817.8	Altered Dacite Fine-medium grained, massive to vaguely foliated at 50° Grey quartz feldspar in a green brown biotitic, chloritic matrix with tremolite or sillmanite needles ??													

# RIOCANEX INC.

## DIAMOND DRILL RECORD

HOLE No. : 3

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INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH							
from	to			from	to								
		786.6-787.3											
		< 1% finely disseminated chalcopyrite in a in a more chloritic section											
		793.6-794.7											
		<1% finely disseminated chalcopyrite											
		792.6-817.8											
		3-150 cm wide chloritic mottled sections											
		792.6-806.2											
		Pink grey, brown green											
		797.2-797.4											
		1-3mm chalcopyrite stringer parallel to core axis											
		804.1-804.7											
		Four 0.2-1 cm pyrrhotite-chalcopyrite half moon stringers or blebs at 40-55°											
		3% chalcopyrite in a pyrrhotite matrix											
		801.9-806.2											
		Coarse green chloritic mottling											
		806.2-817.8											
		Fine-medium grained dark green black brown biotitic, chloritic											
		3% sulphides disseminated and 1-10mm stringers											
		Mainly pyrrhotite with traces chalcopyrite and pyrite											





# RIOCANEX INC.

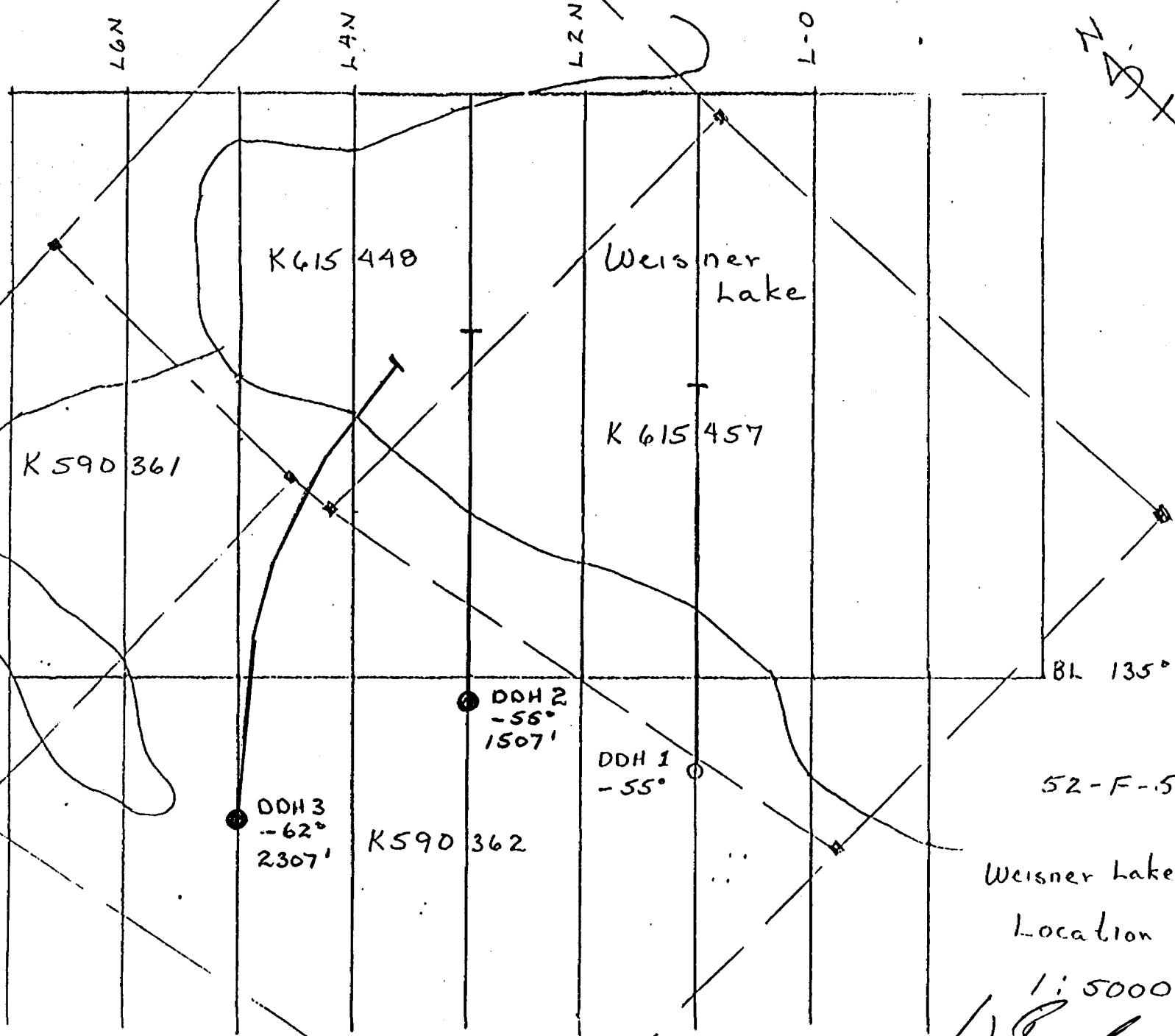
## DIAMOND DRILL RECORD

HOLE No. : 3

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INTERVAL		DESCRIPTION	SAMPLE No.	INTERVAL		LENGTH							
from	to			from	to								
		813.7											
		2-3mm pyrite stringer at 40° with traces of sphalerite and chalcopryrite in wallrock											
		816.3											
		pyrite blebs in chloritic matrix, trace sphalerite											
		816.6											
		1.5 cm chloritic fracture with pyrite blebs, trace chalcopryrite											
817.8	824.7	Dacite Tuff											
		Fine grained, green grey brown											
		Well laminated at 45-50° chloritic, biotitic											
		2-3% sulphides, mainly pyrrhotite, minor pyrite, traces chalcopryrite, sphalerite											
824.7	830.6	Cherty Rhyolite Tuff											
		Grey to light grey, well laminated at 45-55°											
		5-10% pyrrhotite stringers veins and disseminated											
		Bands 0.1-1 cm wide and parallel to bedding											
		< 1% chalcopryrite in fractures and disseminated in pyrrhotite											
		826.2-829.4											
		5% pyrrhotite											
		< 1% disseminated brown sphalerite											





Weisner Lake, Ont.  
Location Map

1:5000



52F05SW0101 39 DOGPAW LAKE

#169-83  
red data on a separate form for each  
work to be recorded (see table below).  
Initial work use form no. 1362 "Report  
of Geological, Geophysical, Geochemical and  
Environmental Work".

Name and Postal Address of Recorder: **Riocanex Inc.** Inspector's Licence No. **A30260**  
**120 Adelaide St. W., Toronto, Ontario M5H 1W5**

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed <b>3814</b>	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	590361	180	K	615457	180	K	668585	180
		590362	214		632320	180		668591	180
		615319	180		632321	180		668592	180
		615320	180		632322	180		668593	180
		615321	180		668481	180		668594	180
		615322	180		668482	180			
		615323	180		668483	180			
	615448	180		668484	180				

All the work was performed on Mining Claim(s): **K590362-2418 days K615448-371 days K615457-1025 days**

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

DDH 2 Az 045<sup>0</sup> Dip 55<sup>0</sup> Length: 459.33m 1507 ft.  
 DDH 3 Az 045<sup>0</sup> Dip 62<sup>0</sup> Length: 703.2m 2307 ft.

Drill Contractor: **Bradley Bros. Ltd.**  
 P.O. Box 367  
 Noranda, Quebec

Core stored at drill sites

ONTARIO GEOLOGICAL SURVEY  
 ASSESSMENT FILES  
 RESEARCH OFFICE  
 DEC 28 1983  
 RECEIVED

KENORA  
 MINING DIV.  
 RECEIVED  
 DEC 16 1983  
 AM 7 8 9 10 11 12 1 2 3 4 5 6 PM

Date of Report **9/12/83** Recorded Holder or Agent (Signature) *D. Benham*

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

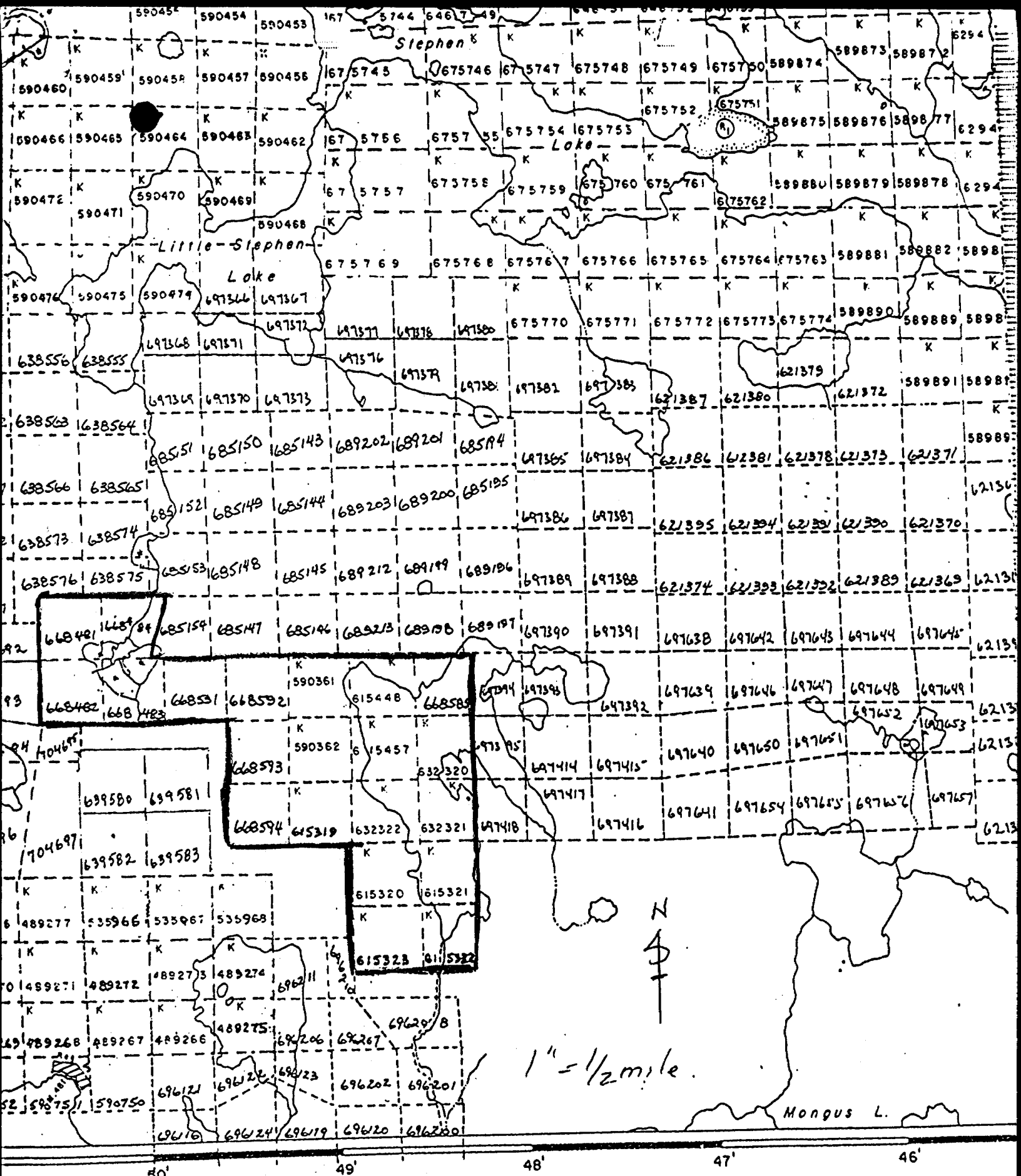
**Wayne Benham**

Date Certified **9/12/83** Certified by (Signature) *D. Benham*

**c/o Riocanex Inc.**

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	<b>590361</b>	
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.	Names and addresses of owner or operator together with dates when drilling/stripping done.	Work Sketch (as above) in duplicate
Land Survey	Name and address of Ontario land surveyor.	Nil	Nil



Weisner Lake, Ontario  
 Dogpaw Lake Area M 2585