42A01SE8901 18 OTTO

DIAMOND DRILLING

TOWNSHIP: Otto

REPORT NO.: 18

WORK PERFORMED BY: Argentex Resource Corp.

CLAIM NO.	HOLE NO.	FOOTAGE	DATE	NOTE
L 548902	OT84-1	408	May/84	(1) (2)
L 550779	OT84-2	287	June/84	(1) (2)
L 550436	OT84-3	310	June/84	(1) (2)
	OT84-4	347	June/84	(1) (2)
		1352'		

NOTES: (1) #210-84
(2) #211-84

DIAMOND DRILL LOG

Company: Argentex Resource Expl. Corp. Hole No.OT84-1
Location: Otto Township Date Started:May29/84 Page No.1
Level: Surface Date Finished:Junel/84 Core Size:BQ
Bearing: Grid South Logged By: G. Kasner Signed: [signature]
Inclination: -45° Core Saved or Discarded: Core Stored at Kenogami Lake
Total Depth: 408.0 feet Casing Pulled:(X) or Left:( ) Acid Tests:
Location of Collar: L 48+00E 3+25South At:No tests taken
Drilled by: Les Forages Groleau Ltee At:

Footage From - To		Geological & Physical Description	Sample From - To Number	Au oz/ton
0.0	28.0	Casing		
28.0	249.3	Massive syenite containing mafic xenoliths up to 5 cm. in size, minor hematization on fracture plains, odd specks of pyrite, generally coarse grained section slightly more hematized. sample #4201 90.5' 95.5' Lightly fractured and hematized. sample #4202 102.0' 107.0' Short section silicified and fine grained. sample #4203 159.5' 164.5' Blue black quartz vein 'cm. unmineralized. sample #4204 180.5' 183.5' Short Section lightly hematized one small quartz veinlet. sample #4205 238.5' 243.5'		
249.3	250.8	Highly silicified section blue black quartz quartz unmineralized. sample #4206 249.3' 250.8'		
250.8	259.0	Sheared and broken lamprophyry talcy on fracture plains - reminates of syenite throughout - poor downhole contact at 50° to core axis. sample #4207 250.8' 259.0'		
259.0	296.0	Broken syenite lightly hematized, becoming brecciated with fault gangue between 282.0-292.0 Highly chloritized. Relatively massive syenite - barren. sample #4208 259.0' 264.0' Moderately broken-chloritized barren sample #4209 264.0' 269.0' Moderately broken-chloritized barren sample #4210 269.0' 274.0' Moderately broken-chloritized barren sample #4211 274.0' 279.0' Becoming breciated at 282'. sample #4212 279.0' 284.0' Highly broken brecciated and chloritized section (fault) sample #4213 284.0' 289.0'		

DIAMOND DRILL LOG

Company: Argentex Resource Expl. Corp. Hole No.OT84-1

Project: Otto Township Page No.2

Footage From - To		Geological & Physical Description	Sample From - To Number	Au oz/ton
		Moderately broken and chloritized. sample #4214 289.0' 296.0'		
296.0	309.0	Mixture of lamprophyre and syenite somewhat silicified. sample #4215 296.0' 303.0' " #4216 303.0' 309.0'		
309.0	408.0	Massive syenite, occassional small blue black quartz veinlet barren. sample #4217 309.0' 314.0' " #4218 314.0' 319.0'		
408.0		End of Hole		

DIAMOND DRILL LOG

Company: Argentex Resource Expl. Corp. Hole No.OT84-2

Location:Otto Township Date Started:June 1/84

Level: Surface Date Finished:June 6/84

Bearing: 10° West of Grid North Logged by:G.Kasner Signed:

Inclination: -45° Core Saved or Discarded: Stored at Kenogami Lake

Total Depth: 287.0 feet Casing Pulled:(X) or Left:( ) Acid Tests:

Location of Collar: L 64+00E 5+40 South At:283.0' -43°

Drilled By: Les Forages Groleau Ltee At:

Footage From - To		Geological & Ohysical Description	Sample From - To Number	Au oz/ton
0.0	50.0	Casing		
50.0	83.0	Massive syenite, coarse grained mafic xenoliths locally up to 2 cm. in size, unmineralized.		
83.0	102.0	Becoming moderately broken to highly broken at 87.0' Highly hematized 88-92.0', somewhat finer grained Lightly hematized-few blue black quartz veinlets unmineralized sample #4219 83.5' 87.0' Broken and chloritized first foot highly hematized sample #4220 87.0' 92.0' More massive moderately hematized sample #4221 92.0' 97.0' More massive moderately hematized sample #4222 97.0' 102.0'		
102.0	137.0	Locally hematized-chloritized coarse grained syenite occassional blue black quartz veinlet. Zenoliths of mafic composition locally hematized section with some pyrite on fracture plains. sample #4223 109.0' 111.0'		
137.0	185.0	Same as above with a distinct phorphyritic texture slightly more hematized. Phorphyritic texture lightly hematized sample #4224 145.0' 148.0' Same as above, fine pyrite on hematized fractures <1% sample #4225 148.0' 154.0' Silicified with little fine pyrite sample #4226 161.5' 167.0'		

DIAMOND DRILL LOG

Company: Argentex Resource Expl. Corp. Hole No.OT84-2

Project: Otto Township Page No.2

Footage From - To	Geological & Physical Description	Sample From - To Number	Au oz/ton
185.0 210.0	Slightly more hematized than above section, finer grained occassional blue black quartz veinlet. Hematized and somewhat silicified sample #4227 199.0' 204.0' Barren and somewhat silicified sample #4228 204.0' 210.0'		
210.0 237.5	Fault Zone Highly hematized and siliceous sample #4229 210.0' 213.0' Altered volcanic taking on syenitic appearence, barren lightly broken. sample #4230 213.0' 218.0' Syenitic appearence, barren lightly broken. sample #4231 218.0' 226.0' Brecciated hematized and silicified syenite. sample #4232 226.0' 230.0' Brecciated hematized and silicified syenite. sample #4233 230.0' 234.0' 234.0' 237.5'Biotite lamprophyre down hole contact at 45 to core axis sample #4234 234.0' 237.5'		
237.5 287.0	Massive syenite Hematized syenite, somewhat silicieous sample #4235 237.5' 242.5' Hematized syenite, somewhat silicieous sample #4236 242.5' 247.5' Hematized syenite, somewhat silicieous sample #4237 272.0' 277.0'		
287.0	End of Hole		

DIAMOND DRILL LOG

Company: Argentex Resource Expl. Corp. Hole No.0T84-3
Location: Otto Township Date Started: June 7/84 Page No.1
Level: Surface Date Finished: June 10/84 Core Size:BQ
Bearing: 20°E of North Logged by: S. Carmichael Signed: S Carmichael
Inclination: -45° Core Saved or Discarded: Stored at Kenogami Lake

Total Depth: 310.0 feet Casing Pulled:(X) or Left:( ) Acid Tests:
Location of Collar: At: 293' 37° 45'
Drilled by: Les Forages Groleau Ltee At:

Footage From - To	Geological & Physical Description	Sample From - To Number	Au oz/ton
0.0 54.0	Casing		
54.0 193.3	Dark pink medium grained quart-syenite composed of chloritized amphibole, pottasium feldspar and minor quartz. Up to 2% calcite throughout with sporadic quartz veins ans stringers. Small chloritized mafic zenoliths throughout the core up to 1" in diameter. The syenite is locally brecciated and takes on a darker orange due to hematite mineralization.		
	67.0' 67.5' moderately fractured syenite with quartz stringers, trace mineralization		
	69' ½" wide quartz vein, dip 50° to core axis		
	76.7' ½" wide quartz vein, dip 30° to core axis		
	100.4' 101.4' broken core		
	124.0' 124.8' broken core		
	131.0' 132.0' fractured and brecciated syenite, no mineralization		
	135.5' 140.5' brecciated syenite with quartz stringers, hematite mineralization		
	sample #4238 135.5' 140.5'		
	191.0' 192.0' broken core		
193.3 214.0	Dark green grading to brown medium grained porphyry with quartz and poltasium feldspar phenocrysts. The poltasium feldspar phenocrysts have hematite rims. Upper contact is 30° to core axis.		
	sample #4239 195' 200'		
	" #4240 200' 205'		
	" #4241 205' 210'		
	" #4242 210' 214'		

DIAMOND DRILL LOG

Company: Argentex Resource Expl. Corp. Hole No.0T84-3

Project: Otto Township

Footage From - To	Geological & Physical Description	Sample From - To Number	Au oz/ton
214.0 310.0	Dark pink, medium grained, quartz-syenite, the same as from 54.0'-193.3'.		
	215' 217' moderately fractured syenite with quartz/ carbonate stringers, minor hematite.		
	sample #4243 214.0' 219.0'		
	278.6' 281' missing core		
	222.0' 224' moderately fractured syenite with quartz/ carbonate stringers, 1-2% specular hematite		
	sample #4244 222.0' 227.0'		
310.0'	End of Hole		

DIAMOND DRILL LOG

Company: Argentex Resource Expl. Corp. Hole No.oT84-4
Location: Otto Township Date Started:June 11?84 Page No.1
Level: Surface Date Finished:June 15/84 Core Size:BQ
Bearing: 20° Eof Grid North Logged by:S. Carmichael Signed: S Carmichael
Inclination: -45° Core Saved or Discarded:Stored at Kenogami Lake

Total Depth: 347.0 feet Casing Pulled(X) or Left( ) Acid Tests:
Location of Collar: L 76+00E,1+50N At:347.0' -39°
Drilled By: Les Forages Groleau Ltee

Footage From - To	Geological & Physical Description	Sample From - To Number	Au oz/ton

0.0 46.0 Casing

46.0 273.6 Orange medium grained pink syenite consisting of pottasium feldspar (65%), chloritized amphibole (25%) and quartz(10%). Chloritized mafic zenoliths are common throughout showing alteration halos around the larger fragments(up to 2" in diameter). The syenite shows sporadic fracturing and brecciation throughout with quartz/carbonate stringers. Minor hematite mineralization occurs in the brecciated zones and quartz stringers.

57.6' 59.0' brecciated syenite trace sulfides
sample #4245 57.0' 62.0'
66.0' 69.0' moderately fractured and brecciated syenite with qtz/carb. stringers, up to 2% sulfides and hematite
sample #4246 66.0' 71.0'
125.0' 128.0' moderately brecciated syenite with qtz stringers.
sample #4247 125.0' 130.0'
132.0' ½"wide qtz vein, dip 24° to core axis
213.0' 214.8' basaltic zenolith, chloritized, no mineralization
227.0' 229.0' moderately fractured syenite, no mineralization

273.4 276.4 Brownish-red syenite porphyry with occassional quartz stringers, 1% sulfides throughout, lower contact 46 to core axis.
sample #4248 273.0' 278.0'

DIAMOND DRILL LOG

Company: Argentex Resource Expl. Corp. Hole No.OT84-4

Project: Otto Township

Footage From - To	Geological & Physical Description	Sample Number	From - To	Au oz/ton
276.4' 347.0'	Orange medium grained syenite; continuation of syenite from 46.0'-273.6'			
	293.9' 295.2' strongly fractured and brecciated syenite with qtz/carb. stringers, 2% specular hematite, trace sulfides.			
	sample #4249 293.0' 298.0'			
	308.9' 309.8' fine grained mafic syenite almost lamprophyric. Lower contact dip 38 to core axis.			
	317.6' 319.6' meta volcanic zenolith, minor hematite mineralization			
347.0'	End of Hole			

Ministry of Natural Resources — Ontario

Report of Work

Otto T

(Que L 545525)

The M

42A01SE8901 18 OTTO

900

Name and Postal Address of Recorded Holder

Argentex Resource Exploration Corp.

1816 - 44 Victoria St, Toronto, Ontario M5C 1Y2

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed: 773.0

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

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

Mining Claim Prefix	Mining Claim Number	Work Days Cr.
L		
	545525	34
	545530	60
	545534	20
	545535	20
	545536	20
	548826	20

Mining Claim Prefix	Mining Claim Number	Work Days Cr.
L	548827	20
	548828	20
	548829	20
	548830	20
	550434	53
	550435	28
	550436	8
	550439	20

Mining Claim Prefix	Mining Claim Number	Work Days Cr.
L	550440	20
	550441	20
	550936	70
	550937	60
	550938	60
	550939	60
	550952	60
	550953	60

All the work was performed on Mining Claim(s): L 550436, 550779, 548902, 550433

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

ONTARIO GEOLOGICAL SURVEY
ASSESSMENT FILES
RESEARCH OFFICE
JUN 27 1984
RECEIVED

Drill Contractor:

Les Forages Groleau (1981) Ltee
599 Boul. Temiscamingue
Rouyn, Que.
819 762 3888

LARDER LAKE MINING DIV.
RECEIVED
JUN 15 1984
AM 7 8 9 10 11 12 1 2 3 4 5 6 PM

OTS4-1	408.0
OTS4-2	287.0
OTS4-3	310.0
OTS4-4	347.0
	1350.0

RECORDED JUN 15 1984
REC. No.

Days Credit left

Date of Report	Recorded Holder or Agent (Signature)
June 15, 1984	

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: Glenn C. Kasner P.O. Box 1053 Kirkland Lake, Ont. P2N 3L1

Date Certified	Certified by (Signature)
June 15, 1984.	

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

768 (81/3)

Assess

Ministry of Natural Resources

Ontario

Report of Work

Otto Twp

(File L550952)

The Mining Act

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)".

#211

Name and Postal Address of Recorded Holder	Prospector's Licence No.
Argentex Resource Exploration Corp. 1816 - 44 Victoria St. Toronto, Ontario M5C 1Y2	T - 1092

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed: 360.0

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

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

Mining Claim Prefix	Mining Claim Number	Work Days Cr.
L	550954	60
	550956	60
	550980	60
	636813	40
	636814	40
	636815	40
	678840	60

Mining Claim Prefix	Mining Claim Number	Work Days Cr.

Mining Claim Prefix	Mining Claim Number	Work Days Cr.

All the work was performed on Mining Claim(s): L 550436, 550779, 548902, 550438,

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

Drill Contractor:

Les Forages Groleau (1981) Ltee
599 Boul. Temiscamingue
Rouyn, Que.
819 762 3888

DOH 0784-1 408.0
0784-2 287.0
0784-3 310.0
0784-4 347.0
1352.0

10% Mob Credit left

ONTARIO GEOLOGICAL SURVEY
ASSESSMENT FILES
RESEARCH OFFICE
JUN 27 1984
RECEIVED

RECORDED JUN 15 1984
REC. No.

KIRKLAND LAKE
MINING DIV.
RECEIVED
JUN 15 1984
AM 7 8 9 10 11 12 1 2 3 4 5 6 PM

Date of Report	Recorded Holder or Agent (Signature)
June 15, 1984.	Glenn C. Kasner

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.

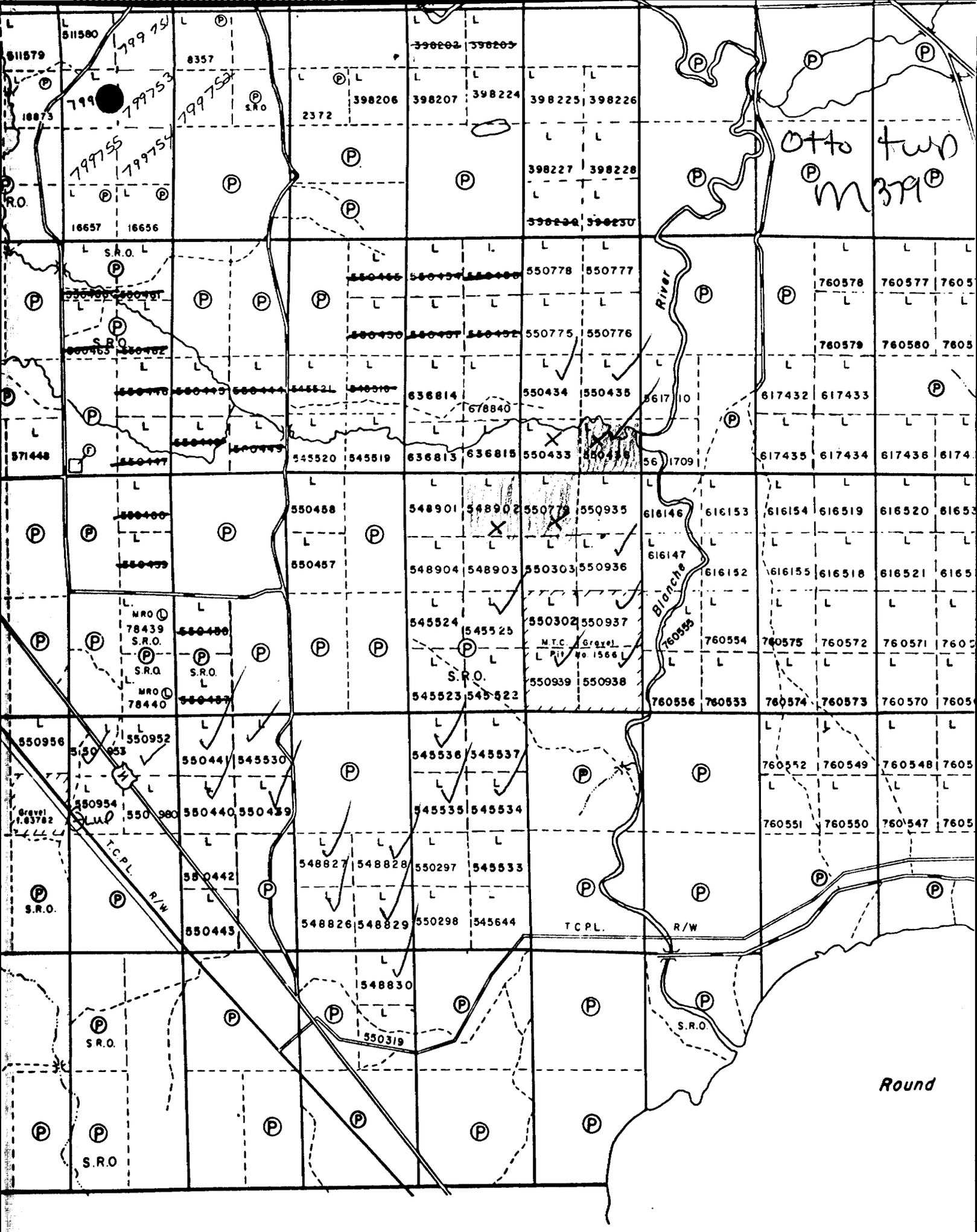
Name and Postal Address of Person Certifying: Glenn C. Kasner P.O. Box 1053 Kirkland Lake, Ont. P2N 3L1

Date Certified	Certified by (Signature)
June 15, 1984.	Glenn C. Kasner

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

768 (81/3)



MARQUIS TP. - M.362