

# PREMIER EXPLORATIONS INC.

33 PREMIER AVENUE WEST  
KIRKLAND LAKE, ONTARIO P2N 2S7  
PHONE 705-567-5145



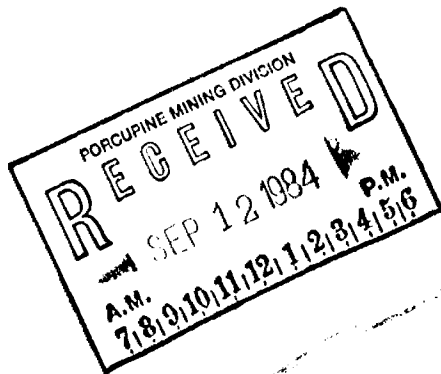
41001NW0001 2.7172 MCPHAIL

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## REPORT ON PROSPECTING ACTIVITIES

RAMSEY LAKE - BISCOTASING AREA

MCPHAIL TOWNSHIP - ONTARIO



RECEIVED

SEP 18 1984

MINING LANDS SECTION

BY: CARL P. FORBES  
KIRKLAND LAKE, ONT.

SEPTEMBER 6, 1984.

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INTRODUCTION - A return trip to Ramsey Lake, McPhail Township, Biscotasing area was made by Carl and Jim Forbes and Ron Crichton - August 9th to 13th, 1984. Two claims, P-802344 and P-802345 were staked by this group in July, 1984 for Premier Explorations Inc. and reconnaissance prospecting was done at that time.

ACCESS - Access to the claims is restricted to a twelve mile boat ride southwesterly from the village of Biscotasing on the C.P.R. main line. Biscotasing can be reached by road trending 50 miles west and southerly from Highway 144, westerly from its junction with Highway 560. One portage has to be made over an Inco Hydro dam off of Boyuk Bay of Biscotasi Lake.

HISTORY - A vague history of the Biscotasing area is referred to in Geological Report #7, "Geology of the Biscotasing Area" by David P. Rodgers, 1962. Rodgers mentions a showing on the west shore of Ramsey Lake, McPhail Township from which he obtained two encouraging gold assays of 0.12 and 0.11 ounces per ton gold. The showing was staked by J.A. McClasky in 1955 who sank three cross trenches, but this work was never reported. More work was done on this showing in 1980 by Nelson Ruttan of Martin River who blasted several "pop" trenches. The

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showing was restaked by David P. Rodgers in 1983 and again by Premier Explorations Inc. in 1984. Old claim posts attest to the restaking of this area numerous times.

GEOLOGY - The only existing geology map of the Biscotasing area was done as mainly a shoreline reconnaissance. The rocks of the area are Precambrian in age and consist of meta-sediments and metavolcanics, intrusive gneiss, hybrid granitic gneisses, migmatites, granitic to monzonitic intrusives and diabase dikes. The general trend of the foliation is northwesterly with various dips. A major feature of the area is a belt of metasediments and metavolcanics intruded by gneiss of intermediate composition that represents a remnant enclosed by granitic rocks. The belt is bounded to the northeast by a broad zone of hybrid granitic gneisses and granite, and to the southwest by lit par lit gneiss and migmatite grading into granite gneiss and granite. The dominant rock type of the area is batholithic granite which grades into granite gneiss, hybrid gneiss, migmatite and lit par lit gneiss. All stages of assimilation, hybridization and granitization are present. Generally, this group of rocks represents a southeasterly extension of

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the Swayze belt of metavolcanics and metasediments, but is much lower down in stratigraphy and immensely more altered. The showing as described by Rodgers is a diabase dike that is shattered and replaced by a quartz stockwork. Rodgers says the quartz stockwork strikes  $18^{\circ}$  off the strike of the diabase dike and is 75 - 100 feet wide with an exposed length of 500 feet. Pyrite, chalcopyrite, malachite, galena and specular hematite were observed by Rodgers in the zone. This author recognized the mineralized zone as a cherty sediment horizon with intercalated mafic material in a migmatite complex. The zone is no doubt a large inclusion or remnant with a vertical dip and an exposed length of 500 feet, being 125 feet wide at its extremity; all dimensions open on strike and breadth. The more mafic components are probably altered, silicified mudstones. The whole unit is highly silicified from silicate sweat and the latest fractures are occupied by quartz stringers at a variety of angles. It is my assumption that this rock unit has been a stress plane for regional adjustment complimented by fair fracturing and brecciation. There is no substantiating data to define the zone as an altered, shattered diabase dike. There is no doubt the zone is

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a preserved inclusion or remnant in a migmatite complex and is cherty chemical sediment with intercalated mudstones, invariably altered and brecciated due to regional movement along it as a more brittle component than the surrounding hybrid rocks.

WORK PROGRAM - Carl and Jim Forbes and Ron Crichton spent two days reblasting several of the trenches and cleaning them out. One day was spent mapping and sampling various exposures along the 500 foot strike length of the zone. A description of the samples taken is included herein, as well as a sketch map.

Sample 6328 - grab from the north trench at the water's edge - chert and mafics (chlorite?) - quartz stringers - malachite staining - a little pyrite and chalcopyrite - .004 Au

Sample 6329 - rough chip in the north trench from the water's edge to 6 feet west - mostly mafic material - some quartz stringers - sparse pyrite and chalcopyrite - Trace Au

Sample 6330 - rough chip in the north trench from 8 feet to 15 feet west of water's edge - mostly silicified material - sugary quartz - cherty material - sparse pyrite and chalcopyrite - Trace Au

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- Sample 6331 - rough sledge sample in north trench at 20 feet west of water's edge - mainly sugary quartz and chert - some silicified mafic material - generally more fine grained pyrite and chalcopyrite than to the east - .002 Au
- Sample 6332 - rough chip from north trench from 23 feet to 35 feet west of water's edge - mainly chert and silicate sweat from chert - some quartz stringers - sparse very fine disseminated pyrite - .042 Au
- Sample 6333 - rough chip from north trench from 37 feet to 40 feet west of lake - mostly quartz veining with sparse pyrite - NIL Au
- Sample 6334 - rough chip from north trench from 40 feet to 45 feet west of lake - mostly mafic material - brecciated - rehealed with numerous quartz stringers at variable angles - some pyrite and chalcopyrite - Trace Au
- Sample 6335 - rough chip from north trench from 45 feet to 50 feet west of lake - same description as above (6334) - Trace Au - NIL Ag
- Sample 6336 - select grab from north trench - mafic material with quartz stringers - some disseminated chalcopyrite - .024 Au - .15 Ag
- Sample 6337 - select grab from north trench - partly silicified mafic material - chert and sugary quartz - fair disseminated chalcopyrite - .034 Au

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- Sample 6338 - select grab from north trench - quartz with fair pyrite and chalcopyrite - NIL Au - .04 Ag
- Sample 6339 - select grab from north trench - gray - green chert somewhat silicified - very sparse pyrite and chalcopyrite - NIL Au
- Sample 6340 - grab from slash 35 feet south of west end of north trench - mafic material - a few quartz stringers - some chalcopyrite - sparse pyrite - NIL Au
- Sample 6341 - select grab from slash - mafic material - some quartz stringers - sparse pyrite and chalcopyrite - NIL Au
- Sample 6342 - grab from trench 350 feet south of north trench - silicified chert and quartz - fair fine disseminated pyrite - sparse chalcopyrite - NIL Au
- Sample 6343 - grab from same trench as above - mostly quartz - some silicified chert - a little pyrite and chalcopyrite - Trace Au
- Sample 6344 - grab from same trench as above 30 feet west of lake - mostly quartz - some chalcopyrite and fine disseminated pyrite - NIL Au
- Sample 6345 - rough chips from same trench as above from 30 feet to 35 feet west of lake - mostly chert - fair fine disseminated pyrite - a little chalcopyrite - Trace Au
- Sample 6346 - rough chip from same trench as above from 35 feet to 42 feet west of lake - mostly quartz and silicified chert -

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some pyrite and chalcopyrite - Trace Au

Sample 6347 - rough chip from same trench as above from 42 feet to 48 feet west of lake - mostly chert - some quartz - some pyrite and chalcopyrite - Trace Au

Sample 6348 - select grab from "pop" trench 50 feet south of slash south of north trench - silicified mafic material - partly bleached - quartz stringers - some chalcopyrite - Trace Au

Sample 6349 - grab from "pop" trench as above - mostly quartz - a little pyrite and chalcopyrite - sulphides occur in clots surrounded by hematization - Trace Au

Sample 6350 - select grab from trench as above - mostly sugary cherty quartz - fair chalcopyrite - NIL Au

Sample 6351 - grab from south "pop" trench - mostly quartz and yellowish - green alteration material - very sparse pyrite - NIL Au

Sample 6352 - select grab from "pop" trench as above - mostly mafic material with a little quartz - fair chalcopyrite - NIL Au

Sample 6353 - grab from west side of Longspur Bay - south meta-sediment contact area - biotite - quartz - feldspar - schist - Trace Au



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CONCLUSIONS - No gold assays as high as Rodgers' were encountered from this program. However, our work has substantiated that the cherty sediment horizon is undoubtedly auriferous, with our best sample returning 0.042 oz./ton Au over a rough chipped width of 12 feet. Gold values do not seem to be dependent upon the amount of pyrite or chalcopyrite. Additional prospecting, blasting, mapping and sampling will be undertaken to determine the nature and extent of gold mineralization.

Respectfully Submitted by:

*Carl P. Forbes*

Carl P. Forbes  
PRESIDENT

September 6th, 1984.

*Carl P. Forbes*  
9/6/84



900

Mining Lands Section  
Control Sheet

File No 2.7172

TYPE OF SURVEY	<input type="checkbox"/>	GEOPHYSICAL
	<input type="checkbox"/>	GEOLOGICAL
	<input checked="" type="checkbox"/>	GEOCHEMICAL
	<input checked="" type="checkbox"/>	EXPENDITURE

MINING LANDS COMMENTS:

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Lgd. L.D.

J. Hurst

Signature of Assessor

84-10-03

Date





## Assessment Work Breakdown

Man Days are based on eight (8) hour Technical or Line-cutting days. Technical days include work performed by consultants, draftsmen, etc..

Type of Survey <i>MAPPING &amp; SAMPLING (GEOLOGY) WITH REPORT AND MAP</i>												
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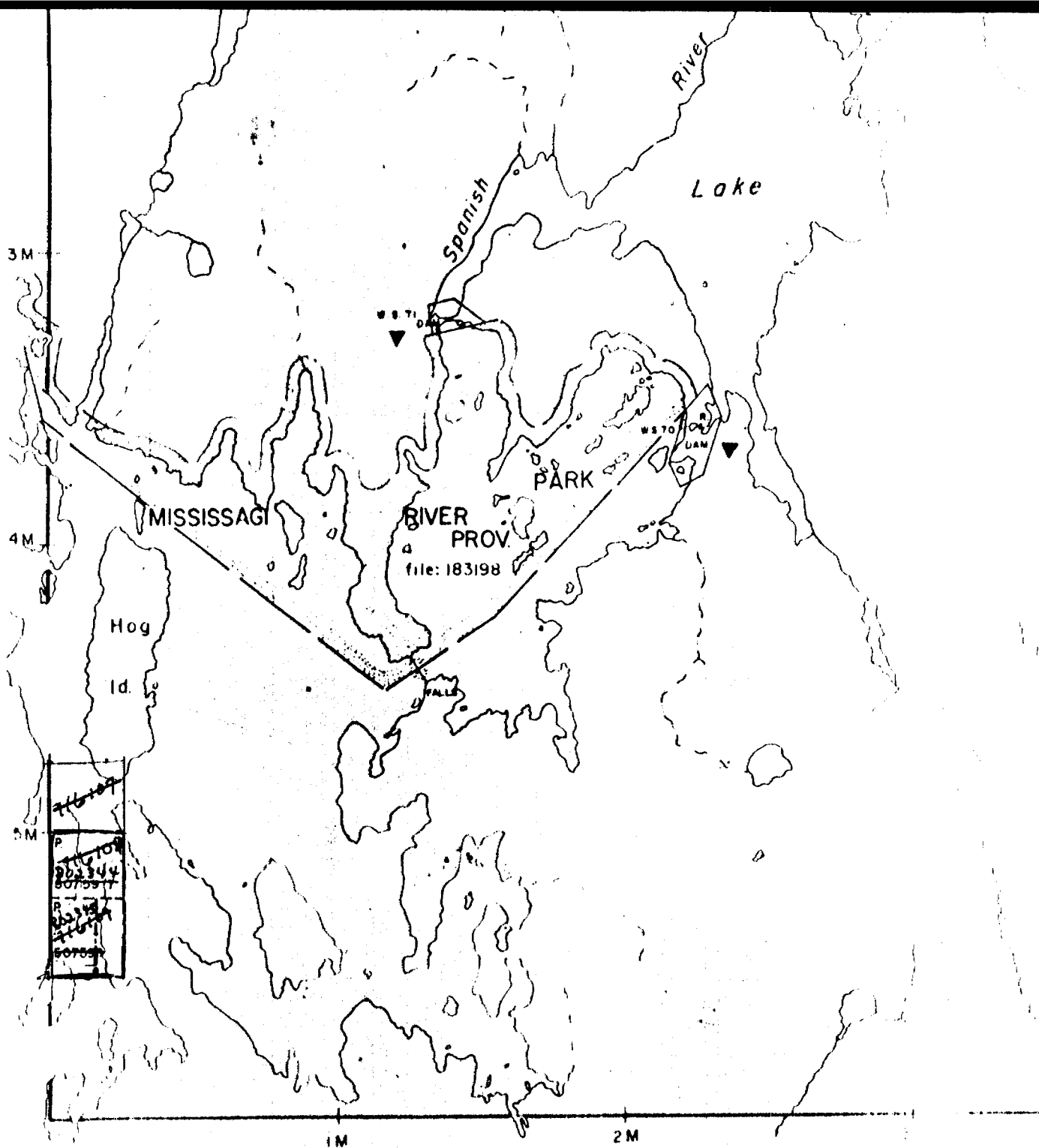
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Type of Survey												
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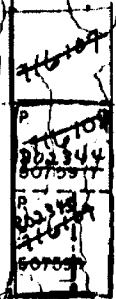
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KELSO TWP. (M. 965)



*McPhail  
Sup.  
M-1022*



1984 09 21

Your File:  
Our File: 2.7172

Mining Recorder  
Ministry of Natural Resources  
60 Wilson Avenue  
Timmins, Ontario  
P4N 2S7

Dear Sir:

We have received reports and maps for a Geological Survey and data for Assaying submitted on Mining Claims P 802344 et al in the Township of McPhail.

This material will be examined and assessed and a statement of assessment work credits will be issued.

We do not have a copy of the report of work which is normally filed with you prior to the submission of this technical data. Please forward a copy as soon as possible.

Yours sincerely,

S.E. Yundt  
Director  
Land Management Branch

Whitney Block, Room 6643  
Queen's Park  
Toronto, Ontario  
M7A 1W3  
Phone: (416)965-6918

A.Barrisc

cc: Premier Explorations Inc  
33 Premier Avenue East  
Kikkland Lake, Ontario  
P2N 1W9  
Attn: Carl P. Forbes.



Ministry of  
Natural  
Resources

Temiskaming  
Testing  
Laboratories

P.O. Box 799  
Presley St.  
Cobalt, Ontario

Tel: 679-8313

Report Number

CB 8050

Laboratory Report

Date Aug. 21, 1984.

Issued To: Mr. Carl Forbes, 33 Premier Ave. West, Kirkland Lake, Ont. P2N 2S7

Sample Number	Gold Oz. Per Ton	Gold Value Per Ton	Silver Oz. Per Ton
#6328	0.004		
6329	Trace		
6330	Trace		
6331	0.002		
6332	0.042		
6333	Nil		
6334	Trace		
6335	Trace		Nil
6336	0.024		0.15
6337	0.034		
6338	Nil		0.04
6339	Nil		
6340	Nil		
6341	Nil		
6342	Nil		
6343	Trace		
6344	Nil		
6345	Trace		
6346	Trace		
6347	Trace		
6348	Trace		
6349	Trace		
6350	Nil		
6351	Nil		
6352	Nil		
6353	Trace		

Fees Received Charged 29 coupons card #0603,0604 & 0605.

*D. L. Loxton*  
Manager

Except by special permission, reproduction of these results must include any  
qualifying remarks made by this ministry with reference to any sample.







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<b>MAPPING AND SAMPLING (GEOLOGY) WITH REPORT AND MAP</b>												
Technical Days	X	7	=	Technical Days Credits	+	Line-cutting Days	=	Total Credits	+	No. of Claims	=	Days per Claim
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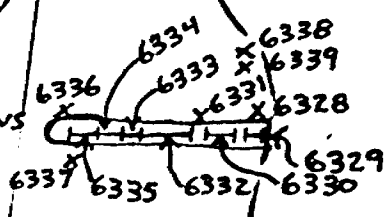
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Technical Days	X	7	=	Technical Days Credits	+	Line-cutting Days	=	Total Credits	+	No. of Claims	=	Days per Claim

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Technical Days	X	7	=	Technical Days Credits	+	Line-cutting Days	=	Total Credits	+	No. of Claims	=	Days per Claim

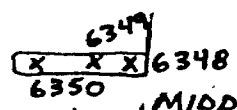


NORTH TRENCH BY  
McCLASKY - 1955  
.12 OZ/TON AU BY  
ROGERS - 1959  
PREMIER EXPLORATIONS  
1984 BLASTING



6340 SLASH  
RUTTAN - 1980 BLASTING  
PREMIER EXPLORATIONS  
1984 BLASTING

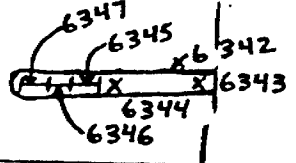
MIGMATITE



MIDDLE TRENCH BY  
McCLASKY - 1955  
.11 OZ/TON AU BY  
ROGERS - 1959

CHERTY SEDIMENT  
INTERCALATED MUDSTONES

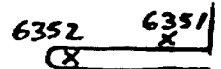
SOUTH TRENCH BY  
McCLASKY - 1955  
PREMIER EXPLORATIONS  
1984 BLASTING



P-802344

APPROXIMATELY 400'  
WEST FROM LAKE TO P-802345  
#3 POST - P-802344  
#4 POST - P-802345

MIGMATITE



"POP" TRENCH BY  
RUTTAN - 1980

RAMSEY LAKE

2.7172

SAMPLE PLAN - P-802344 - P-802345  
RAMSEY LAKE - McPHAIL TP.  
BISCOTASING AREA - ONTARIO  
SCALE: 1" = 50'  
BY: C.P. FORBES - SEPT. 10/84