



42C04SE0027 2.12143 CAMP LAKE

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NORANDA EXPLORATION COMPANY, LIMITED
(no personal liability)

Assessment
Soil Geochemistry Report
Pukaskwa - 1109
42 C/4

January 24, 1989
Hemlo District

Recd 2.15.89
John Londry
District Geologist

RECEIVED

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MINING LANDS SECTION



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1.0 INTRODUCTION

In the fall of 1988 a soil geochemical survey was performed on the Pukaskwa property. The survey was carried out along cut north-south grid lines at an interval of 500 m, and along flagged lines spaced 100 m apart. East-west tie lines were cut at an interval of 500 m as a control for the flagged lines. A total of 6135 soil samples were taken at stations spaced 25 m apart. Anomalous zones will be followed up by prospecting and rock samples to verify the soil assays.

2.0 LOCATION AND ACCESS

48 degrees 02' North Latitude) to approximate centre of claims
85 degrees 41' West Longitude)

The Pukaskwa River property is located in the Sault Ste. Marie Mining Division approximately 65 km west of Wawa, Ontario and 14 km west-northwest of Mishibishu Lake (Figure 1).

Direct access to the property is by helicopter from Wawa, 65 km to the east of the claims. An access road to the Magnacon Mine, 50 km south of highway 17, provides relatively easy camp mobilization and servicing by helicopter, reducing the flying time and support costs.

3.0 TOPOGRAPHY AND VEGETATION

Terrain is characterized by numerous low, rounded hills and ridges separated by shallow gulleys, valleys and lakes. Numerous low, near vertical cliffs several metres or more high and trending easterly are common throughout the area.

The claims are well forested by birch, maple, poplar and pine usually accompanied by thick underbrush. Low, flat areas are often swampy with thick tag alder and moose maple.

4.0 PROPERTY

The property consists of 274 contiguous claims (Figure 2). All are located with the Sault Ste. Marie Mining Division. They are:

Claim Nos.	No. of Claims	Area
SSM 753852-753856	5	David Lake
SSM 753857-753858	2	"
SSM 753859-753862	4	"
SSM 753863-753866	4	"
SSM 753867-753868	2	"
SSM 753868-753884	16	"
SSM 753885-753888	4	"
SSM 753906-753918	13	"
SSM 753919-753932	14	"
SSM 753933-753935	3	"
SSM 753958-753959	2	"
SSM 753967-753968	2	"
SSM 753972	1	"
SSM 779109-779121	13	"
SSM 779122-779128	7	"
SSM 779129-779140	12	"
SSM 779141-779148	8	"
SSM 779151	1	"
SSM 779152	1	"
SSM 779155-779156	2	"
SSM 779266	1	"
SSM 800922-800924	3	"
SSM 801306-801309	4	"
SSM 801310-801312	3	"
SSM 801313-801328	16	"
SSM 801336-801347	12	"
SSM 801348-801350	3	"
SSM 801351-801354	4	"
SSM 801355-801357	3	"
SSM 822055-822056	2	"
SSM 822097-822104	8	"
SSM 822145-822164	20	"
SSM 824323-824325	3	"
SSM 1028327-1028349	23	"
SSM 1028353-1028378	26	"
SSM 1028380-1028405	26	"
SSM 10310561	1	

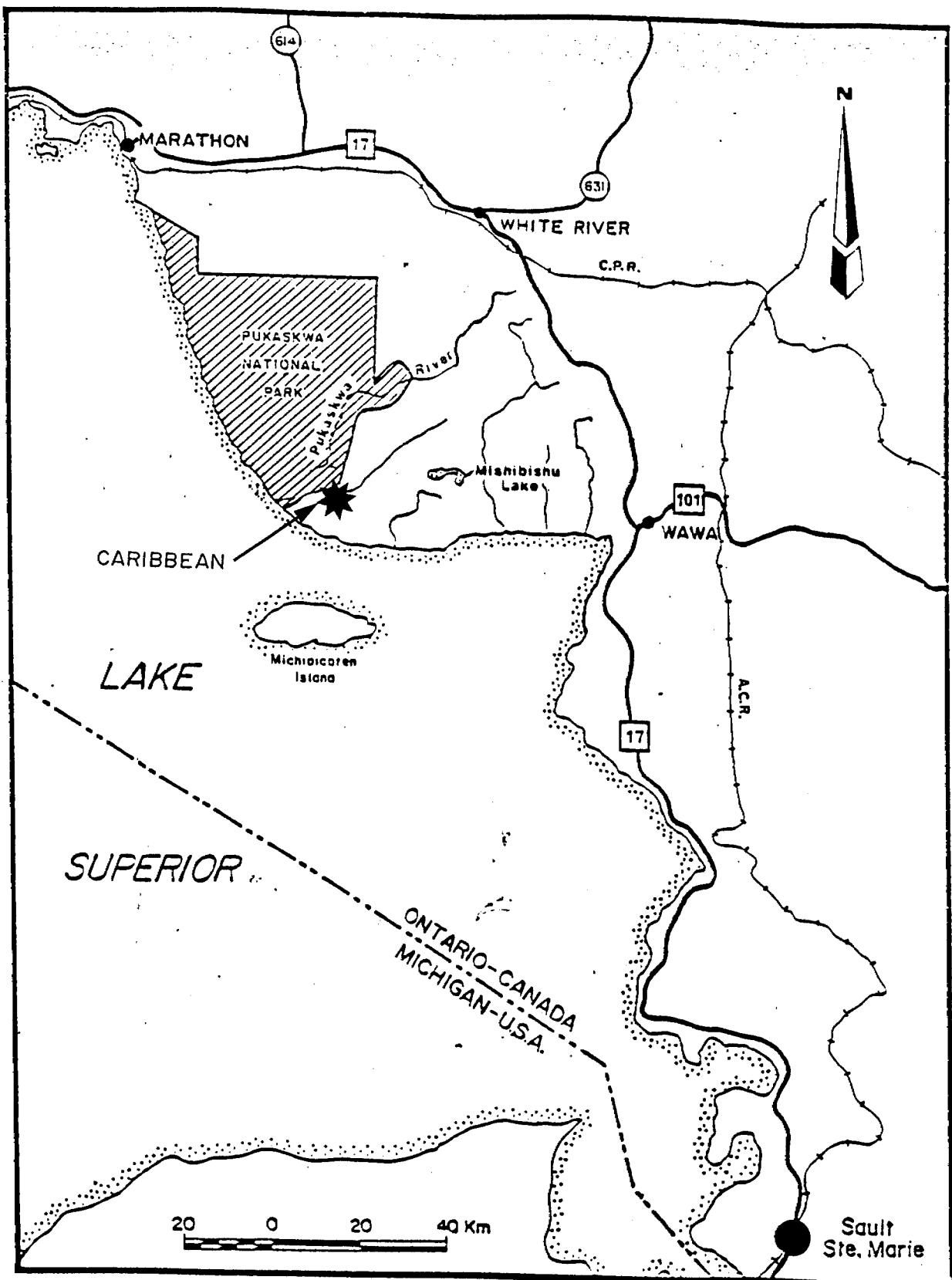


Figure 1: Location map

5.0 PROPERTY GEOLOGY

The claims are underlain by rocks of the Mishibishu Lake Belt, which may be divided into three broadly defined N70-75 degrees E, north dipping sequences. These three sequences are recognized on a regional scale at least as far east as the Magnacon gold deposit at Mishibishu Lake. They are: a northern volcanic sequence of mafic to intermediate volcanics; a central sedimentary sequence of conglomerates, greywacke, arkose and argillaceous shales and the southern volcanics are made up of mafic to intermediate volcanics with interflow sediments and iron formation. The contact between the northern volcanics and sediments occur within the Mishibishu Lake Deformation Zone.

6.0 GEOCHEMICAL SURVEY

Extensive soil sampling was undertaken over much of the property and each station was sampled for B horizon soils. The stations were spaced 25 m apart on grid lines as well as flagged lines. A total of 6135 samples were collected.

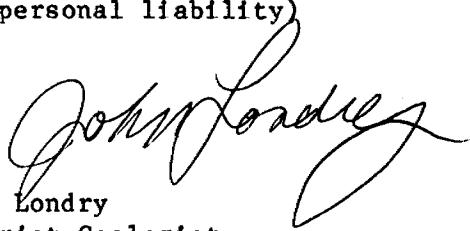
The survey delineated a few areas where clusters of anomalous samples were collected. These clusters may be correlated to form weak east-west trends. An isolated cluster occurs at 12800 E and 8500 N with values ranging from 5 ppb to 285 ppb Au. At 9400E and 7900 N an anomalous east west trending zone with values in the range of 20 ppb to 315 ppb Au occur. The east west trending zones correlate satisfactorily with the strike geology.

7.0 RECOMMENDATIONS

The soil surveys were sufficient to outline a number of anomalous zones. These should be prospected and rock samples should be collected to verify the assays obtained in the soil.

Respectfully submitted,

Noranda Exploration Co., Ltd.
(no personal liability)



John Londry
District Geologist,
Hemlo District.

PUKASKWA NATIONAL PARK
FILE: 186-276
JULY 20, 1971.

JULY 20 197

JULY 20, 197

LIMIT OF CL. 25
1 601356

CARIBBEAN

Report of Work

Work Performed On Claims

SSM 1028328 - 1028333 ✓ inclusive
1028335 - 1028349 ✓ inclusive
1028354 - 1028365 ✓ inclusive
1028367 - 1028378 ✓ inclusive
1028380 - 1028403 ✓ inclusive
1028405 ✓
801344 - 801347 ✓ inclusive
801351 - 801354 ✓ inclusive
801306 - 801309 ✓ inclusive
801313 - 801319 ✓ inclusive
753857 - 753858 ✓ inclusive
801320 - 801326 ✓ inclusive
753865 ✓
822055 - 822056 ✓ inclusive
800922 - 800924 ✓ inclusive
779116 ✓
779140 ✓
801327 - 801328 ✓ inclusive
822097 - 822104 ✓ inclusive
822145 - 822148 ✓ inclusive
822151 - 822155 ✓ inclusive
822158 - 822159 ✓ inclusive

