



42C03NW0006 2.12671 PUKASKWA RIVER

010

**REPORT ON THE
COMBINED AIRBORNE MAGNETIC AND
VLF-ELECTROMAGNETIC SURVEY
ON THE STONEY CREEK PROPERTY OF
VILLENEUVE RESOURCES LIMITED
PUKASKWA RIVER AREA
SAULT STE. MARIE MINING DIVISION, ONTARIO**

BY

H. FERDERBER GEOPHYSICS LTD.

August 1, 1989
Val d'Or, Quebec

R.A. Campbell, B.Sc.,
Geologist.

RECEIVED

AUG 1st 1989

TAILING LANDS SECTION

REPORT ON THE
COMBINED AIRBORNE MAGNETIC AND
VLF-ELECTROMAGNETIC SURVEY
ON THE STONEY CREEK PROPERTY OF
VILLENEUVE RESOURCES LIMITED
PUKASKWA RIVER AREA
SAULT STE. MARIE MINING DIVISION, ONTARIO

INTRODUCTION

Between June 8 and 11, 1989 a combined magnetic and VLF-electromagnetic survey was carried out on the Stoney Creek Property of Villeneuve Resources Limited in the Pukaskwa River Area, Sault Ste. Marie Mining Division, Ontario. Magnetic and VLF-electromagnetic data was collected by the airborne division of H. Ferderber Geophysics Ltd. The survey was flown from a base at Wawa, Ontario. A total of 89.88 miles of data was collected.

The magnetic survey provides data which helps outline the underlying geological structures and identifies any potential economic concentrations which may contain variations in accessory magnetic minerals. The VLF-electromagnetic survey helps define conductive zones which may represent shear zones and/or metallic sulphide deposits containing gold and/or base metal mineralization.

-2-

PROPERTY DESCRIPTION, LOCATION AND ACCESS

The property is comprised of 155 claims in the Pukaskwa River Area, Sault Ste. Marie Mining Division, Ontario. The claims cover approximately 2480 hectares in the east-central part of the Area. The claims are registered with the Ontario Mining Recorder's Office at Sault Ste. Marie and are listed in Appendix I.

The property is located about 36 miles west-northwest of the town of Wawa, 28 miles south-southwest of the town of White River, and 50 miles southeast of the town of Marathon. Access is best obtained by helicopter from Wawa or from the road to Magnacon Mine site, 6 miles to the east. The mine site is located about 30 miles down a gravel road which extends westward from Highway 17, 30 miles north of Wawa.

The property is forested by spruce, jack pine, birch and the occasional maple. Small lakes and swamp cover about 5 to 10 percent of the area. Drainage is to the southwest. The tributaries of Pukaskwa River flow through the southwestern and northern parts of the claim block. The topographic relief is high, ranging from 1350 to 1900 feet about sea level. Regional folding of the rocks created a series of northeast trending ridges and valleys. Outcrop is exposed on approximately 25

-3-

percent of the property. Overburden cover is thin, consisting of fluvial and glacio fluvial sand and gravel.

Supplies, services and qualified manpower are available in the Wawa-White River-Marathon area.

GEOLOGY

The property is situated in the northwestern end of the Kabenung Lake Greenstone Belt of the Superior Province of the Canadian Shield. The Kabenung Greenstone Belt extends from Kabenung Lake in a west-southwest direction for a distance of about 30 miles.

The western end of the belt is comprised of Archean metavolcanic and metasedimentary rocks intruded by granitic to gabbro stocks and diabase type dykes. Numerous gold showings and deposits have been recently discovered in the similar composition Mishibishu Lake Greenstone Belt, which lies about 4 to 14 miles south of the property.

The Ontario Department of Mines Geological Compilation Map 2220 (the Manitouwadge-Wawa sheet) the Department of Mines Geoscience Report 153 and accompanying maps 2332 and 2333, and a report Mineralization of the Mishibishu Lake Greenstone Belt by K.B. Heather of the Ontario Geological Survey describe the

geology of the property and surrounding area. Approximately 75% of the claim group is underlain by mafic to intermediate rocks, comprised of massive to foliated andesite to basalt, amphibolite and metagabbro to metadiorite. Just west of the eastern property boundary the Kabenung Lake Greenstone Belt splits into three limbs with the northern two limbs striking west and west-southwest across the property. The metavolcanic limbs are surrounded by granitic rocks of the Northern Batholith.

A small gabbro dyke strikes west-southwest in granitic rocks, just north of the northeastern boundary. Two other dykes, interpreted from government geophysical maps, trend southwest and southeast across the western claims and through the north-central part of the property, respectively. A narrow band of metasediments containing iron formation lies approximately 0.5 miles south of the claim group.

Gold exploration has been carried out in the area since the 1930's but activity has increased with the recent discoveries in the Mishibishu Greenstone Belt (4 to 14 miles to the south) of the Magnacon mine, Granges Exploration-MacMillan Energy (Mishi Project) and Central Crude Hemlo Gold mines (Eagle River) gold deposits.

The geology of the Villeneuve Resources Ltd. property in the Kabenung Lake Greenstone belt is similar to that of the Mishibishu Greenstone belt and has a similar potential for discovery of gold mineralization. On the property adjacent to the southern boundary, Kam Creed Mines-Koala Resources intersected 0.11 oz/ton Au over 2.17 feet in a 1988 diamond drill hole. A total of 9273 feet was drilled in 20 holes during 1988-1989.

The International Bibis Prospect is located about 1.75 miles south of the claim block. Seven holes totalling 682.1 m (2,238 feet) were drilled. Six holes intersected a mineralized zone. The best result was 1.47% copper over 5.2 m (17 feet). The mineralized zone is 3 to 4.5 m (10 to 15 feet) wide, at least 120 m (400 feet) long, and strikes about N60W with a steep dip to the north. The mineralization consists of seams and disseminated grains of pyrite, chalcopyrite, and possible bornite and sphalerite distributed irregularly in highly sheared silicified, and carbonatized mafic metavolcanics. Felsic metavolcanics lie a few feet to the north of the mineralized zone and may in part be a fault contact with the mafic metavolcanics. Dykes, sills and veins of granitic rocks have intruded the adjacent rocks. Six grab samples taken from this showing were analyzed by the Mineral Research Branch, Ontario Division of Mines. The results

range from trace to 0.59 percent copper with one selected specimen yielding 5.58 percent copper and 0.66 ounces of silver per ton. Lead, zinc, and gold were detected in trace amounts only.

The Burrex pyrrhotite-chalcopyrite occurrence is located about 2.25 miles south of the southeast corner of the claim block. Overburden stripping and trenching of one of seven previously defined geophysical anomalies disclosed the presence of pyrite and graphite. Analyses of grab samples of the pyrite mineralization gave only minor amounts of precious metals and no copper. In the only other Burrex anomaly shown to be due to the presence of sulphide mineralization trenching exposed what is described in Burr's report as "heavy to massive pyrrhotite up to 23 feet in width". The best analysis of a grab sample is reported to be 0.18% copper and 0.03 ounce of silver.

The Magnacon (Muscosho Exploration Ltd. - Flanagan McAdam Resources - Windarra Minerals), Mine, located approximately 7 miles to the southeast, has recently started production. Diamond drill reserves of 1,4 million tons at 0.248 oz/ton gold have been outlined in two principal vein systems. The Mishi project of Granges Exploration and MacMillan Energy lying approximately 6 miles southeast of the property, has geological reserves of 1.1

-7-

million tons at 0.17 oz/ton gold. The Magnacon and Mishi Project, together with the Scuzzy Little Lake (Dominion Explorers Ltd.), the Discovery (Westfield Minerals Ltd.) and recently discovered Hemlo Gold Mines-Caribbean Res. Corp.-Exmar Res.-Mishibishu Res. showing are located in the Mishibishu Lake Deformation Zone. They are situated near volcanic-sediment contacts in shears within the deformation zone.

The Central Crude deposit (Eagle River Gold Property), with diamond drill indicated reserves of 1.77 million tons of 0.51 oz/ton gold uncut or 0.25 oz/ton cut, is situated along the Eagle River Deformation zone in the southern limb of the Mishibishu Greenstone Belt, approximately 14 miles south-southeast of the property. Visible gold has also been discovered on the Central Crude - Oil city Lubricants Pipe Lake property situated 15 miles south-southwest of the Stoney Creek claims.

INSTRUMENTATION AND SURVEY METHODS

The survey was completed using a 1972 Cessna 172, fixed-wing aircraft, call letters CF-EWK, owned and operated by H. Ferderber Geophysics Ltd. The pilot and navigator/operator were Y. Saucier and Dan Thai, respectively, of Val d'Or. Geophysical sensors

were mounted in modified wing tips. The geophysical, navigation and data acquisition systems are described below.

Magnetometer

The magnetometer used was GEM Systems GSM-11, high sensitivity airborne proton (Overhauser) magnetometer. The instrument continuously measures the Earth's magnetic field at a 0.01 gamma sensitivity for 1 reading per second or 0.05 gamma to 10 readings per second at a 0.1 gamma absolute accuracy. For this survey 4 readings per second were measured at a sensitivity of 0.04 gammas. The analog output is on 3 channels, from 1 to 10,000 gammas full scale.

VLF-EM System

A Herz Totem 2A VLF-EM System was used to measure the changes in the total field and in the vertical quadrature field on two frequencies simultaneously, with an accuracy of 1%. The primary transmitting station of Cutler, Maine (NAA), frequency 24.0 KHz was employed on east-west lines, respectively.

Radar Altimeter

The ground clearance was measured with a King 10/10 A radar altimeter. The survey was flown at a mean clearance of 300 feet

with the altimeter producing an accuracy of 5% (15 feet) at this altitude.

Tracking Camera and Video Centre

A RCA TC-200 colour video camera and Galaxy 200 video centre was used to record the flight path on standard VHS type video tapes. Manual fiducials were indicated on the picture frames for reference with digital printout. Flight path recovery was aided using a Panasonic Colour Video Monitor-S1300 and Video Cassette Recorder AG-2500.

Data Acquisition System

A Picodas Group Inc. PDAS 1100 data acquisition system featuring seven analog inputs with two frequency inputs and external interfacing was used. A Termiflex Corp. ST/32 Keyboard control unit and Sharp Corp. LCD display unit are connected to the data acquisition system. At present this system stores the altimeter VLF-1 inphase, VLF-1 quadrature, VLF-2 inphase, VLF-2 quadrature, magnetic field (coarse), magnetic field (fine), and the fourth difference (noise), and fiducials on 3.5 inch floppy disk drive. The data is then printed out in digital and profile form.

-10-

The survey was conducted on lines orientated at 030 and 210 degrees at an aircraft altitude of 300 feet. The lines were flown at spacings of 1250 feet at a speed of approximately 90 miles per hour. Navigation was visual using airphoto mosaics, at a scale of one inch to 1320 feet, manual fiducials and the flight path recovery system as references.

DATA PRESENTATION

Flight lines, fiducial points and geophysical responses were reproduced from the airphoto mosaics at a scale of one inch to 1320 feet (1:15,840). The outline of the claim block and claim map are shown on each map sheet.

The aeromagnetic data was corrected for diurnal variations by using a base line as reference. The data was contoured at 25, 100 and 500 gamma intervals and presented on Map MG-1.

The VLF-EM data was transferred from the Totem 2A memory to printed form. A base value was determined for the VLF-EM profiled data. This value was used to correct for variations in transmitter strength and the corrected changes in the total field strengths were plotted on Map EM-1. The positive values

-11-

were contoured at intervals of 2%. The conductor axes were determined and labelled A, B, C, etc for Map EM-1. No priority was attached to the labelling system.

SURVEY RESULTS AND INTERPRETATION

Magnetic Survey

The results of the airborne magnetic survey outlined a series of discontinuous, generally linear, magnetic highs and lows on the Stoney Creek property. Magnetic values indicate that most of the property is underlain by mafic to intermediate metavolcanics. The isolated areas of higher relief probably outline outcrops of mafic metavolcanics containing greater amounts of magnetite and/or pyrrhotite. These highs appear to form two discontinuous units of mafic metavolcanics striking west-northwest and west-southwest from the eastern third of the claim block.

Magnetic lows underlie the western quarter and southeastern corner of the claim block, indicating that these areas are probably underlain by granitic rocks. Small individual lows could also delineate small bodies of felsic intrusive rocks, small units of intermediate to felsic metavolcanics, or intercalated metasedimentary rocks.

-12-

Linear series of highs strike southeast and southwest across the northeastern and northwestern boundaries. These zones probably are produced by underlying diabase dykes.

Approximately 0.5 miles south of the claim block the magnetic values are up to 7000 gammas above background, defining the location and strike of an iron formation.

Distortions in the contour pattern and series magnetic lows form two northwest striking zones, following linear topographic features, a series of creeks, from the southeast boundary to the north-central boundary and across the eastern quarter of the property. These zones delineate the positions of possible northwest trending faults-lineaments. Breaks in the contour pattern also form a series of cross-cutting, parallel northeast striking, possible fault-lineaments on the property.

VLF-Electromagnetic Survey

Five conductive zones have been outlined by the VLF survey on the Stoney Creek property. Zone A strikes west-northwest, following a linear overburden trend across the northeastern boundary. This zone lies along the northern edge of a series of magnetic highs representing a unit of mafic metavolcanics and appears to define the location of a shear zone associated with the metavolcanic-felsic intrusive contact.

-13-

Zone B is comprised of 3 westerly striking conductors located in the east-central part of the claim group. The eastern two conductors lie along a broad magnetic low and could outline the position of a small shear along a felsic intrusive-metavolcanic contact. The western conductor is situated near a northwest striking lineament within probable metavolcanic rocks.

Zone C lies within a magnetic low along a creek. This zone represents a possible shear zone within granitic intrusive rocks, following a linear overburden trend (lineament).

Zones D and E strike east-northeast across the north-central and eastern portions of the claim block. They may be caused by short cross-cutting shears within metavolcanic rocks near granitic intrusive contacts.

CONCLUSIONS AND RECOMMENDATIONS

The combined airborne magnetic and VLF-EM survey was successful in helping define the underlying geology and in defining 5 conductive zones on the Stoney Creek Property of Villeneuve Resources Ltd. in the Pukaskwa River Area. Most of the property appears to be underlain by mafic to intermediate metavolcanic rocks striking west-northwest and west-southwest from the eastern third of the claim group. The mafic to

intermediate metavolcanics may be intercalated with small units of felsic metavolcanic and/or metasedimentary rocks. The lows in western and southeastern parts of the property probably outline the position of granitic intrusive rocks of the Northern Batholith. Two diabase dykes strike southeast and southwest across the northern boundary. Distortions and breaks in the magnetic contour pattern and linear magnetic lows form series of cross-cutting lineament-fault zones, following linear overburden trends on the property.

The five conductive zones located on the property represent potential shear zones. Good targets for gold mineralization are shear (altered) zones associated with metavolcanic-granitic contacts, potential shears near faults-lineaments and the intersections of cross-cutting faults and shears.

Further exploration work is warranted. The property should be mapped and sampled and geochemical and ground geophysical surveys (VLF-EM and magnetic) completed. Geophysical-geochemical anomalies with corresponding geology favourable to gold mineralization should be tested by diamond drilling.

-15-

Respectfully submitted,

H. Ferderber Geophysics Ltd.



August 1, 1989
Val d'Or, Quebec

R.A. Campbell, B.Sc.,
Geologist.

APPENDIX I

CLAIM LIST

PROJ NAME	TOWNSHIP	STAKED BY	TAG NO	#OF CLAIMS
STONEY CREEK	PUKASKWA RIVER	GEORGES COTE	SSM 1060361	1
STONEY CREEK	PUKASKWA RIVER	GEORGES COTE	SSM 1060362	1
STONEY CREEK	PUKASKWA RIVER	GEORGES COTE	SSM 1060363	1
STONEY CREEK	PUKASKWA RIVER	GEORGES COTE	SSM 1060364	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060900	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060901	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060902	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060903	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060904	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060905	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060906	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060907	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060908	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060909	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060910	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060911	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060912	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060913	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060914	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060915	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060916	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060917	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060918	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060919	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060920	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060921	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060922	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060923	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060924	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060925	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060926	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060927	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060928	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060929	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060930	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060931	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060932	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060933	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060934	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060935	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060936	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060937	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060938	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060939	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060940	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060941	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060942	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060943	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060944	1



Ontario

Ministry of Northern Development and Mines

Geophysical-Geological-Geochemical Technical Data Statement

File _____

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT
TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey(s) Airborne magnetic and VLF-electromagnetic

Township or Area Pukaskwa River

Claim Holder(s) H. Morissette, G. cote, S. Cote

Survey Company H. Ferderber Geophysics Ltd.

Author of Report R.A. Campbell

Address of Author 169 Perreault Avenue

Covering Dates of Survey Val d'Or, Quebec June 9 to 11 1989
(linecutting to office)

Total Miles of Line CWT Flown 89.88

MINING CLAIMS TRAVERSED
List numerically

SSM 1060100 et al
(prefix) (number)
see attached Appendix

SPECIAL PROVISIONS
CREDITS REQUESTED

DAYS per claim

ENTER 40 days (includes line cutting) for first survey.

ENTER 20 days for each additional survey using same grid.

- Geophysical
-Electromagnetic
-Magnetometer
-Radiometric
-Other
Geological
Geochemical

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)

Magnetometer 11.9 Electromagnetic 11.9 Radiometric
(enter days per claim)

DATE: Aug 2, 1989 SIGNATURE: R.A. Campbell
Author of Report or Agent

Res. Geol. Qualifications 26609

Previous Surveys

Table with 4 columns: File No., Type, Date, Claim Holder

TOTAL CLAIMS 155

OFFICE USE ONLY

SELF POTENTIAL

Instrument _____ Range _____

Survey Method _____

Corrections made _____

RADIOMETRIC

Instrument _____

Values measured _____

Energy windows (levels) _____

Height of instrument _____ Background Count _____

Size of detector _____

Overburden _____

(type, depth - include outcrop map)

OTHERS (SEISMIC, DRILL WELL LOGGING ETC.)

Type of survey _____

Instrument _____

Accuracy _____

Parameters measured _____

Additional information (for understanding results) _____

AIRBORNE SURVEYS

Type of survey(s) Total field magnetic and VLF-electromagnetic

Instrument(s) GEM GSM-11 proton magnetometer and Herz Totem 2A VLF-EM
(specify for each type of survey)

Accuracy 0.04 gammas absolute and 1%
(specify for each type of survey)

Aircraft used Cessna 172 Fixed Wing

Sensor altitude 300 feet

Navigation and flight path recovery method RCA TC-2 Colour Video Camera, Panasonic Colour
Video Monitor S1300 and Video Cassette Recorder AG2500

Aircraft altitude 300 feet Line Spacing 1250 feet

Miles flown over total area 89.88 Over claims only 46.3

APPENDIX I

CLAIM LIST

PROJ NAME	TOWNSHIP	STAKED BY	TAG NO	#DF CLAIMS
STONEY CREEK	PUKASKWA RIVER	GEORGES COTE	SSM 1060361	1
STONEY CREEK	PUKASKWA RIVER	GEORGES COTE	SSM 1060362	1
STONEY CREEK	PUKASKWA RIVER	GEORGES COTE	SSM 1060363	1
STONEY CREEK	PUKASKWA RIVER	GEORGES COTE	SSM 1060364	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060900	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060901	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060902	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060903	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060904	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060905	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060906	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060907	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060908	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060909	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060910	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060911	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060912	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060913	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060914	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060915	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060916	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060917	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060918	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060919	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060920	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060921	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060922	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060923	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060924	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060925	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060926	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060927	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060928	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060929	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060930	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060931	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060932	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060933	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060934	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060935	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060936	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060937	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060938	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060939	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060940	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060941	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060942	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060943	1
STONEY CREEK	PUKASKWA RIVER	STEPHANE COTE	SSM 1060944	1

Aug 8



Ministry of Northern Development and Mines

Report of Work (Geophysical, Geological, Geochemical and Expenditures)

DOCUMENT No. W8905-122

Conditions: - If number of mining claims exceeds space on this form, attach a list. - Only days credits calculated in the

2.1267

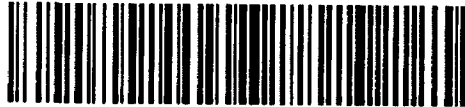
Type of Survey(s) AIRBORNE MAGNETICS & VLF

Claim Holder(s) ① STEPHANE COTE ② HENRI MORISSETTE

Address c/o VILLENEUVE RES., 188 PERREAULT, VAL D'OR, P.Q. J9P 2H5 ② K19832 ③ K21571

Survey Company H. FERDERBER GEOPHYSICS Date of Survey (from & to) 08 06 89 11 06 89 Total Miles of Line 65

Name and Address of Author (of Geo-Technical report) R.A. CAMPBELL, 169 PERREAULT, VAL D'OR, P.Q. J9P 2H5



42C03NW0006 2.12671 PUKASKWA RIVER

900

Credits Requested per Each Claim in Columns at right

Special Provisions	Geophysical	Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
For each additional survey: using the same grid: Enter 20 days (for each)	- Other	
	Geological	
	Geochemical	

Man Days	Geophysical	Days per Claim
ONTARIO GEOLOGICAL SURVEY ASSESSMENT FILES OFFICE SEP 07 1989 RECEIVED	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	

Airborne Credits	Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	
Electromagnetic	10
Magnetometer	10
Radiometric	

Expenditures (excludes power stripping)

Type of Work Performed

Performed on Claim(s)

Total Expenditures	Total Days Credits
\$	15 =

Instructions
Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

Date 13-06-89 Recorded Holder or Agent (Signature) Zoran Madon

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
ZORAN MADON, 188 PERREAULT, VAL D'OR, QUE. J9P 2H5

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.	Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
SSM	See attached lists:				
	VILLENEUVE / STONEY CREEK:				
	- SCHEDULE 1				
	- SCHEDULE 2				
	- SCHEDULE 3				

SAULT STE MARIE
RECEIVED
JUN 16 1989
A.M.
7:30 P.M.

RECEIVED
JUN 16 1989
MINING LANDS SECTION

RECORDED
JUN 16 1989
Receipt No. _____

Total number of mining claims covered by this report of work. 155

For Office Use Only		Mining Reporter
Total Days Cr. Recorded	Date Recorded	<u>Islan Hito</u>
<u>3,100</u>	<u>June 16/89</u>	Branch Director
	Date Approved as Recorded	<u>W. Howie</u>
	<u>Sept 89</u>	

Date Certified

PROJ NAME	STAKED BY	TAG NO	#OF CLAIMS
STONEY CREEK	STEPHANE COTE	SSM 1060900	1
STONEY CREEK	STEPHANE COTE	SSM 1060901	1
STONEY CREEK	STEPHANE COTE	SSM 1060902	1
STONEY CREEK	STEPHANE COTE	SSM 1060903	1
STONEY CREEK	STEPHANE COTE	SSM 1060904	1
STONEY CREEK	STEPHANE COTE	SSM 1060905	1
STONEY CREEK	STEPHANE COTE	SSM 1060906	1
STONEY CREEK	STEPHANE COTE	SSM 1060907	1
STONEY CREEK	STEPHANE COTE	SSM 1060908	1
STONEY CREEK	STEPHANE COTE	SSM 1060909	1
STONEY CREEK	STEPHANE COTE	SSM 1060910	1
STONEY CREEK	STEPHANE COTE	SSM 1060911	1
STONEY CREEK	STEPHANE COTE	SSM 1060912	1
STONEY CREEK	STEPHANE COTE	SSM 1060913	1
STONEY CREEK	STEPHANE COTE	SSM 1060914	1
STONEY CREEK	STEPHANE COTE	SSM 1060915	1
STONEY CREEK	STEPHANE COTE	SSM 1060916	1
STONEY CREEK	STEPHANE COTE	SSM 1060917	1
STONEY CREEK	STEPHANE COTE	SSM 1060918	1
STONEY CREEK	STEPHANE COTE	SSM 1060919	1
STONEY CREEK	STEPHANE COTE	SSM 1060920	1
STONEY CREEK	STEPHANE COTE	SSM 1060921	1
STONEY CREEK	STEPHANE COTE	SSM 1060922	1
STONEY CREEK	STEPHANE COTE	SSM 1060923	1
STONEY CREEK	STEPHANE COTE	SSM 1060924	1
STONEY CREEK	STEPHANE COTE	SSM 1060925	1
STONEY CREEK	STEPHANE COTE	SSM 1060926	1
STONEY CREEK	STEPHANE COTE	SSM 1060927	1
STONEY CREEK	STEPHANE COTE	SSM 1060928	1
STONEY CREEK	STEPHANE COTE	SSM 1060929	1
STONEY CREEK	STEPHANE COTE	SSM 1060930	1
STONEY CREEK	STEPHANE COTE	SSM 1060931	1
STONEY CREEK	STEPHANE COTE	SSM 1060932	1
STONEY CREEK	STEPHANE COTE	SSM 1060933	1
STONEY CREEK	STEPHANE COTE	SSM 1060934	1
STONEY CREEK	STEPHANE COTE	SSM 1060935	1
STONEY CREEK	STEPHANE COTE	SSM 1060936	1
STONEY CREEK	STEPHANE COTE	SSM 1060937	1
STONEY CREEK	STEPHANE COTE	SSM 1060938	1
STONEY CREEK	STEPHANE COTE	SSM 1060939	1
STONEY CREEK	STEPHANE COTE	SSM 1060940	1
STONEY CREEK	STEPHANE COTE	SSM 1060941	1
STONEY CREEK	STEPHANE COTE	SSM 1060942	1
STONEY CREEK	STEPHANE COTE	SSM 1060943	1
STONEY CREEK	STEPHANE COTE	SSM 1060944	1

PROJ NAME	STAKED BY	TAG NO	#OF CLAIMS
STONEY CREEK	HENRI MORISSETTE	SSM 1060100	1
STONEY CREEK	HENRI MORISSETTE	SSM 1060101	1
STONEY CREEK	HENRI MORISSETTE	SSM 1060102	1
STONEY CREEK	HENRI MORISSETTE	SSM 1060103	1
STONEY CREEK	HENRI MORISSETTE	SSM 1060104	1
STONEY CREEK	HENRI MORISSETTE	SSM 1060105	1
STONEY CREEK	HENRI MORISSETTE	SSM 1060106	1
STONEY CREEK	HENRI MORISSETTE	SSM 1060107	1
STONEY CREEK	HENRI MORISSETTE	SSM 1060108	1
STONEY CREEK	HENRI MORISSETTE	SSM 1060109	1
STONEY CREEK	HENRI MORISSETTE	SSM 1060110	1
STONEY CREEK	HENRI MORISSETTE	SSM 1060111	1
STONEY CREEK	HENRI MORISSETTE	SSM 1060112	1
STONEY CREEK	HENRI MORISSETTE	SSM 1060113	1
STONEY CREEK	HENRI MORISSETTE	SSM 1060114	1
STONEY CREEK	HENRI MORISSETTE	SSM 1060115	1
STONEY CREEK	HENRI MORISSETTE	SSM 1060116	1
STONEY CREEK	HENRI MORISSETTE	SSM 1060117	1
STONEY CREEK	HENRI MORISSETTE	SSM 1060118	1
STONEY CREEK	HENRI MORISSETTE	SSM 1060119	1
STONEY CREEK	HENRI MORISSETTE	SSM 1060120	1
STONEY CREEK	HENRI MORISSETTE	SSM 1060121	1
STONEY CREEK	HENRI MORISSETTE	SSM 1060122	1
STONEY CREEK	HENRI MORISSETTE	SSM 1060123	1
STONEY CREEK	HENRI MORISSETTE	SSM 1060124	1
STONEY CREEK	HENRI MORISSETTE	SSM 1060125	1
STONEY CREEK	HENRI MORISSETTE	SSM 1060126	1
STONEY CREEK	HENRI MORISSETTE	SSM 1060127	1
STONEY CREEK	HENRI MORISSETTE	SSM 1060128	1
STONEY CREEK	HENRI MORISSETTE	SSM 1060129	1
STONEY CREEK	HENRI MORISSETTE	SSM 1060130	1
STONEY CREEK	HENRI MORISSETTE	SSM 1060131	1
STONEY CREEK	HENRI MORISSETTE	SSM 1060132	1
STONEY CREEK	HENRI MORISSETTE	SSM 1060133	1
STONEY CREEK	HENRI MORISSETTE	SSM 1060134	1
STONEY CREEK	HENRI MORISSETTE	SSM 1060135	1
STONEY CREEK	HENRI MORISSETTE	SSM 1060136	1
STONEY CREEK	HENRI MORISSETTE	SSM 1060137	1
STONEY CREEK	HENRI MORISSETTE	SSM 1060138	1
STONEY CREEK	HENRI MORISSETTE	SSM 1060139	1
STONEY CREEK	HENRI MORISSETTE	SSM 1060140	1
STONEY CREEK	HENRI MORISSETTE	SSM 1060141	1
STONEY CREEK	HENRI MORISSETTE	SSM 1060142	1
STONEY CREEK	HENRI MORISSETTE	SSM 1060143	1
STONEY CREEK	HENRI MORISSETTE	SSM 1060144	1

PROJ NAME	STAKED BY	TAG NO	#OF CLAIMS
STONE CREEK	GEORGES COTE	SSM 1060300	1
STONE CREEK	GEORGES COTE	SSM 1060301	1
STONE CREEK	GEORGES COTE	SSM 1060302	1
STONE CREEK	GEORGES COTE	SSM 1060303	1
STONE CREEK	GEORGES COTE	SSM 1060304	1
STONE CREEK	GEORGES COTE	SSM 1060305	1
STONE CREEK	GEORGES COTE	SSM 1060306	1
STONE CREEK	GEORGES COTE	SSM 1060307	1
STONE CREEK	GEORGES COTE	SSM 1060308	1
STONE CREEK	GEORGES COTE	SSM 1060309	1
STONE CREEK	GEORGES COTE	SSM 1060310	1
STONE CREEK	GEORGES COTE	SSM 1060311	1
STONE CREEK	GEORGES COTE	SSM 1060312	1
STONE CREEK	GEORGES COTE	SSM 1060313	1
STONE CREEK	GEORGES COTE	SSM 1060314	1
STONE CREEK	GEORGES COTE	SSM 1060315	1
STONE CREEK	GEORGES COTE	SSM 1060316	1
STONE CREEK	GEORGES COTE	SSM 1060317	1
STONE CREEK	GEORGES COTE	SSM 1060318	1
STONE CREEK	GEORGES COTE	SSM 1060319	1
STONE CREEK	GEORGES COTE	SSM 1060320	1
STONE CREEK	GEORGES COTE	SSM 1060321	1
STONE CREEK	GEORGES COTE	SSM 1060322	1
STONE CREEK	GEORGES COTE	SSM 1060323	1
STONE CREEK	GEORGES COTE	SSM 1060324	1
STONE CREEK	GEORGES COTE	SSM 1060325	1
STONE CREEK	GEORGES COTE	SSM 1060326	1
STONE CREEK	GEORGES COTE	SSM 1060327	1
STONE CREEK	GEORGES COTE	SSM 1060328	1
STONE CREEK	GEORGES COTE	SSM 1060329	1
STONE CREEK	GEORGES COTE	SSM 1060330	1
STONE CREEK	GEORGES COTE	SSM 1060331	1
STONE CREEK	GEORGES COTE	SSM 1060332	1
STONE CREEK	GEORGES COTE	SSM 1060333	1
STONE CREEK	GEORGES COTE	SSM 1060334	1
STONE CREEK	GEORGES COTE	SSM 1060335	1
STONE CREEK	GEORGES COTE	SSM 1060336	1
STONE CREEK	GEORGES COTE	SSM 1060337	1
STONE CREEK	GEORGES COTE	SSM 1060338	1
STONE CREEK	GEORGES COTE	SSM 1060339	1
STONE CREEK	GEORGES COTE	SSM 1060340	1
STONE CREEK	GEORGES COTE	SSM 1060341	1
STONE CREEK	GEORGES COTE	SSM 1060342	1
STONE CREEK	GEORGES COTE	SSM 1060343	1
STONE CREEK	GEORGES COTE	SSM 1060344	1
STONE CREEK	GEORGES COTE	SSM 1060345	1
STONE CREEK	GEORGES COTE	SSM 1060346	1
STONE CREEK	GEORGES COTE	SSM 1060347	1
STONE CREEK	GEORGES COTE	SSM 1060348	1
STONE CREEK	GEORGES COTE	SSM 1060349	1
STONE CREEK	GEORGES COTE	SSM 1060350	1
STONE CREEK	GEORGES COTE	SSM 1060351	1
STONE CREEK	GEORGES COTE	SSM 1060352	1

PROJ NAME	STAKED BY	TAG NO	#OF CLAIMS
STONEY CREEK	GEORGES COTE	SSM 1060353	1
STONEY CREEK	GEORGES COTE	SSM 1060354	1
STONEY CREEK	GEORGES COTE	SSM 1060355	1
STONEY CREEK	GEORGES COTE	SSM 1060356	1
STONEY CREEK	GEORGES COTE	SSM 1060357	1
STONEY CREEK	GEORGES COTE	SSM 1060358	1
STONEY CREEK	GEORGES COTE	SSM 1060359	1
STONEY CREEK	GEORGES COTE	SSM 1060360	1
STONEY CREEK	GEORGES COTE	SSM 1060361	1
STONEY CREEK	GEORGES COTE	SSM 1060362	1
STONEY CREEK	GEORGES COTE	SSM 1060363	1
STONEY CREEK	GEORGES COTE	SSM 1060364	1

65*

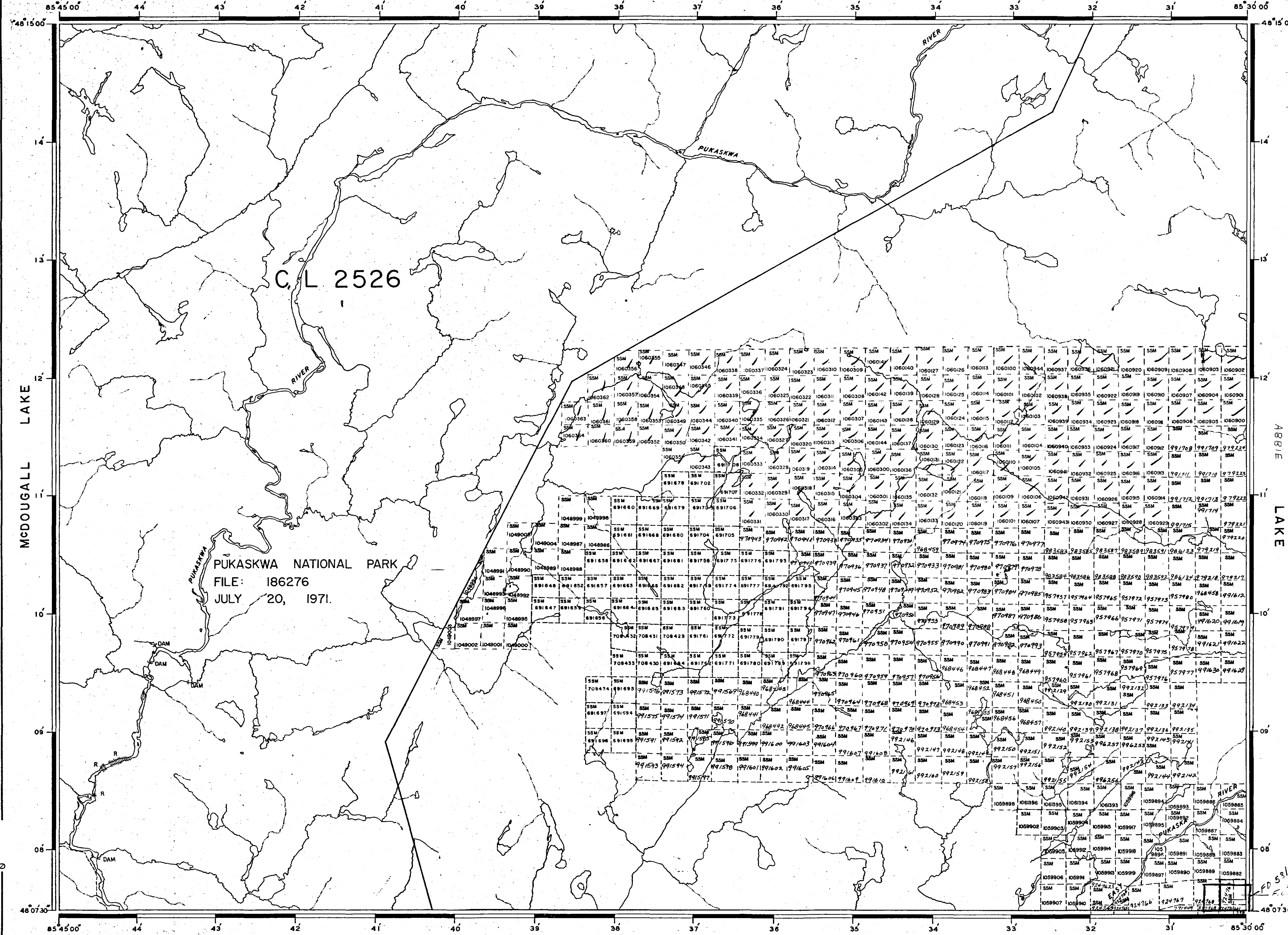
REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

M.R.O. - MINING RIGHTS ONLY
 S.R.O. - SURFACE RIGHTS ONLY
 M+S. - MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File

PINEI LAKE



C.L. 2526

PUKASKWA NATIONAL PARK
 FILE: 186276
 JULY 20, 1971.

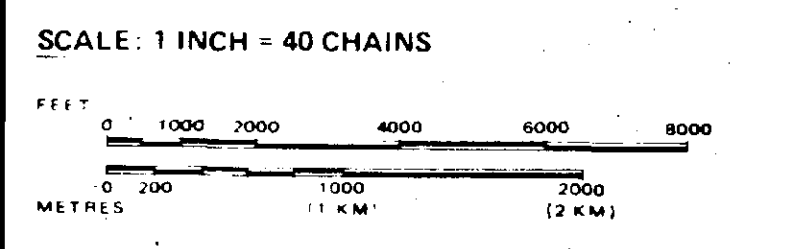
LEGEND

HIGHWAY AND ROUTE No.	
OTHER ROADS	
TRAILS	
SURVEYED LINES	
TOWNSHIPS, BASE LINES, ETC.	
LOTS, MINING CLAIMS, PARCELS, ETC.	
UNSURVEYED LINES	
LOT LINES	
PARCEL BOUNDARY	
MINING CLAIMS ETC.	
RAILWAY AND RIGHT OF WAY	
UTILITY LINES	
NON-PERENNIAL STREAM	
FLOODING OR FLOODING RIGHTS	
SUBDIVISION OR COMPOSITE PLAN	
RESERVATIONS	
ORIGINAL SHORELINE	
MARSH OR MUSKEG	
MINES	
TRAVERSE MONUMENT	

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	
" SURFACE RIGHTS ONLY	
" MINING RIGHTS ONLY	
LEASE, SURFACE & MINING RIGHTS	
" SURFACE RIGHTS ONLY	
" MINING RIGHTS ONLY	
LICENCE OF OCCUPATION	
ORDER IN COUNCIL	
RESERVATION	
CANCELLED	
SAND & GRAVEL	

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT R.S.O. 1970 CHAP. 380, SEC. 53, SUBSEC. 1.

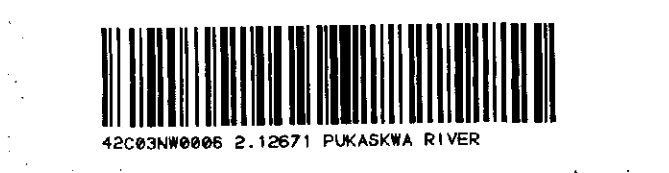


DATE OF ISSUE
 NOV 10 1987
 SAULT STE. MARIE
 REGISTRY'S OFFICE

AREA
PUKASKWA RIVER
 M.N.R. ADMINISTRATIVE DISTRICT
 WAWA
 MINING DIVISION
 SAULT STE. MARIE
 LAND TITLES / REGISTRY DIVISION
 ALGOMA

Ministry of Natural Resources
 Ministry of Northern Development and Mines
 Ontario

Date: FEBRUARY, 1987
 Number: **G-3779**

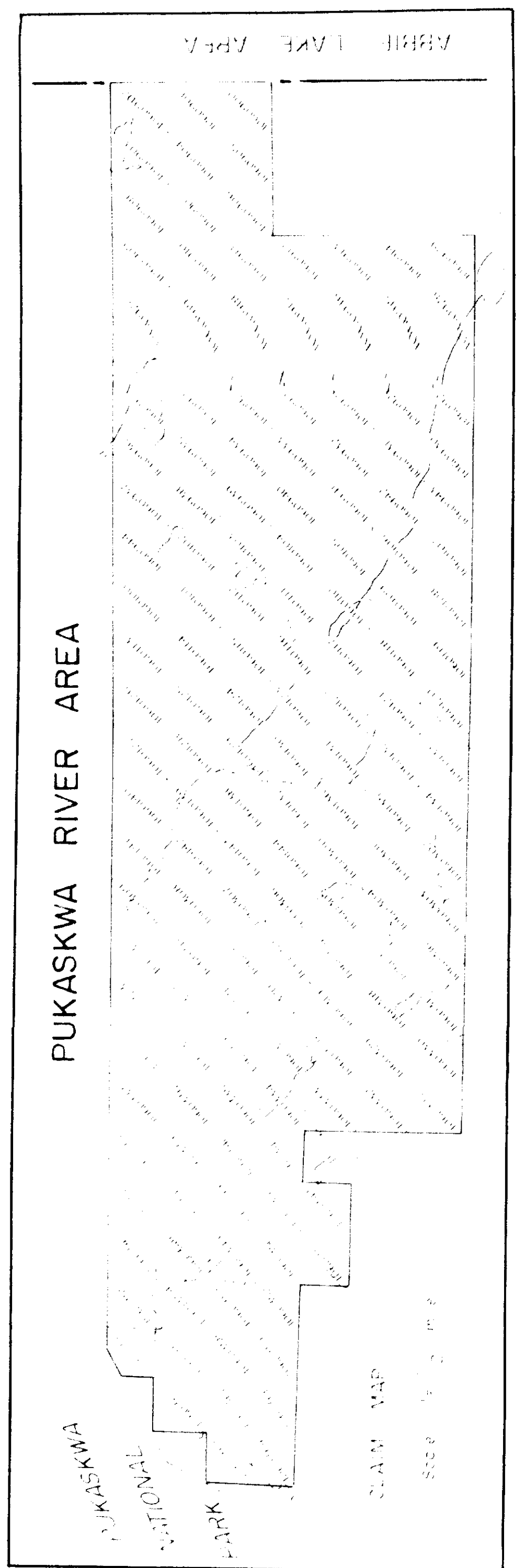


RECEIVED
 1987
 10 16 11 21 1987



LEGEND	
Total Field Contour Interval	25 gammas
Fiducial Point	•
Line Direction	→
Magnetic Low	○
1000 gammas	—
100 gammas	—
25 gammas	—

2. 12671



TYPE OF SURVEY	AIRBORNE MAGNETOMETER SURVEY
CLIENT	VILLENEUVE RESOURCES LTD.
PROJECT	STONEY CREEK
AREA	PUKASKWA RIVER, ONT.
SCALE	1" = 1.4 Mile
DATE	July 1989
DRAWN BY	H. FERDERBER
MAP OF SHEET NO.	ABL
MAP OF SHEET NO.	MG-1





LEGEND

Total Field Contour Interval 2 %
 Fiducial Point
 Line Direction
 Property Boundary
 Conductor Axis
 VLF Low
 10 % Contour
 2 % Contour

STATION USED: Cutler, Maine USA (24.0 KHz)

2.12671

TYPE OF WORK	AIRBORNE VLF - ELECTROMAGNETIC SURVEY		
CLIENT	VILLENEUVE RESOURCES LTD.		
PROJECT	AREA	DATE	
	STONE CREEK	PUKASKWA RIVER, ONT.	
	H. FERDERBER	SCALE 1" = 1/4 Mile	DATE July 1989
	GEOPHYSICS LTD.	DRAWN BY FBI.	MAP OR SHEET NO. E34-1

