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# REPORT

On

# SPECTRAL IP/RESISTIVITY SURVEY CONDUCTED ON THE

# KELLY PROPERTY, KELLY TWP. NORTHEASTERN ONTARIO NTS: 41 I/10

FOR

# PACIFIC NORTH WEST CAPITAL CORPORATION

# JVX Ltd.

### REPORT

On

# SPECTRAL IP/RESISTIVITY SURVEY CONDUCTED ON THE KELLY PROPERTY, KELLY TWP. NORTHEASTERN ONTARIO NTS: 41 I/10

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> JVX Ref: 0-28 June 2000



KELLY

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### 1. INTRODUCTION

JVX Ltd. conducted IP Time-Domain *Spectral* Induced Polarization (IP)/Resistivity survey from June 11 to 17, 2000 on behalf of Pacific North West Capital Corporation. The survey was conducted on the Kelly property, Kelly Twp. located 45 km northeast of Sudbury (N.T.S. 41 I/10). The property is accessible by travelling east on Hwy #17, north on Kukagami Rd. to Sportsman Lodge and by boat to grid. The property location map is shown in Figure 1.

The purpose of this survey was to map disseminated sulphides associated with two (2) zones of platinum group metals mineralization.

The Kelly Property covers the following claims:

1230127 1230126



# 2. SURVEY SPECIFICATIONS and PRODUCTION SUMMARY

<b>IP/RESIS</b>	TYTTY
Transmitter	Scintrex IPC-7/2.5 kW
Receiver	Scintrex IPR-12
Аггау Туре	Pole-Dipole
Transmit Cycle Time	2 sec
Receive Cycle Time	2 sec
Number of Potential Electrode Pairs	4 and 6 (L1000E, L550E)
Electrode Spacing	25m
Station Spacing	25 m
Number of Lines Surveyed	17
Survey Coverage	9350 m

 TABLE 1: Specifications for the IP/Resistivity Survey

The production summary is listed in the following table:

IP/RESISTIMITY					
assal inte	Survey	From	Ro	Distance	Stir, mi
	Configuration	Station	Section	(iii)	Realings
1000E	25 m dipoles	1050S	0N	1050.0	35
550E	25 m dipoles	1050S	0N	1025.0	34
475E	25 m dipoles	500S	0N	500.0	15
350E	25 m dipoles	325S	125N	450.0	14
325E	25 m dipoles	350S	125N	475.0	15
300E	25 m dipoles	350S	100N	450.0	15
275E	25 m dipoles	350S	75N	425.0	13
250E	25 m dipoles	300S	100N	400.0	12
225E	25 m dipoles	275S	50N	325.0	9
200E	25 m dipoles	275S	125N	400.0	14
175E	25 m dipoles	275S	100N	375.0	13
150E	25 m dipoles	250S	125N	375.0	13
125E	25 m dipoles	250S	100N	350.0	12
100E	25 m dipoles	425S	100N	525.0	19
50E	25 m dipoles	425S	150N	550.0	21
0E	25 m dipoles	975S	275N	1250.0	47
300W	25 m dipoles	625S	200S	425.0	13
Total		•		9350:0	314

 TABLE 2: Production Summary for the IP/Resistivity Survey

# 3. PERSONNEL

Gord Hume (Geophysical Technician)

Mr. Hume acted as Party Chief and was responsible for day-to-day field operations and overall data quality.

<u>Eric Naus (Geophysical Technician)</u> Mr. Naus assisted Mr. Hume with the day-to-day field operations.

(3) Field assistants were also engaged by JVX.

Dagmar Piska & Vaso Lymberis (Draftspersons): Ms. Piska and Ms. Lymberis drafted the figures/plates and assembled this report.

Joe Mihelcic (Senior Geophysicist)

Mr. Mihelcic processed and plotted the data and prepared this report. He also liaised with the field party chief.

<u>John Gilliatt (Senior Geophysicist)</u> Mr. Gilliatt assisted with processing the data. He also liaised with the field party chief.

<u>Blaine Webster (President, JVX Ltd.):</u> Mr. Webster provided overall supervision of the survey.

#### 4. FIELD INSTRUMENTATION

JVX supplied the geophysical instruments specified in Appendix A.

#### 4.1 IP Transmitter

The Scintrex IPC-7/2.5 kW Time Domain Transmitter powered by an eight-horsepower motor generator was used. The transmitter generates square wave current output with a period of 4, 8, or 16 seconds. Stabilization circuitry ensures that the output current is automatically controlled to within  $\pm 0.1\%$  for up to 50% external load or  $\pm 10\%$  input voltage variations. Voltage, current and circuit resistance are presented on an analog display.

#### 4.2 IP Receiver

The Scintrex IPR-12 Time Domain Receiver was used. This unit samples the voltage decay curve as measured by the potential electrodes at ten points in time. Readings are repeated until they converge to within a tolerance level, and the data are stored in solid-state memory.

#### 4.2.1 The Pole-dipole Array

The "pole-dipole" survey configuration was used over the ground survey lines. This array consists of one current electrode  $C_1$  and eight/nine (alternating) potential electrodes ( $P_1$  to  $P_4$  connected to the receiver by means of the "Snake"). The infinity current location  $C_2$  is maintained at a large distance from the grid. This distance is about 10 times the potential electrode spacing "a" times 4 (the maximum number of "n" used in the pole-dipole survey).

Both porous ceramic pots containing a copper sulphate solution and steel electrodes were used to achieve good contact with the ground.

# 5. DATA PROCESSING

## 5.1 IP/Resistivity

After being transferred to a field computer at the end of each survey day, the data were examined, corrected, and organized by the instrument operator. Initial results were plotted on a

• FUJITSU DL 2400 dot-matrix printer

These plots were used to monitor progress and data quality, and to make an initial interpretation.

The data were sent by courier or e-mail to the head office of JVX in Richmond Hill, Ontario. They were processed and results were plotted on the following printers as was necessary:

- HEWLETT PACKARD DESIGNJET 750C 36 inch colour plotter
- HEWLETT PACKARD DESIGNJET 350C 24 inch colour plotter
- HEWLETT PACKARD 5L Laser printer

The processing procedure is outlined below:

- 1) JVX in-house software was used to spatially reference the time-domain data. Spectral *tau* and *M-IP* were calculated - in addition to chargeability and apparent resistivity. The spectral parameters describe the shape of the IP decay curve, giving information about:
  - the grain size (indicated by the parameter tau),
  - the magnitude of the chargeable source (indicated by M-IP),
  - The variability of grain size (indicated by c, not presented/discussed here).

The spectral parameters were calculated internally in the IPR-12 and with *SoftII* (Scintrex). *SoftII* software works on IPR-11 format data and it also varies the spectral value c, whereas the IPR-12 circuitry uses a fixed value for c. JVX's extensive experience with *SoftII* provides more reliable interpretative results. Inhouse software was used to convert the time slices from IPR-12 windows to IPR-11 windows. The M0 slice was extrapolated based on the approximate straight-line character of the Log-Lin decay curve. This estimation proved satisfactory for our purposes, based on sensitivity analyses done on a test data sample.

2) The **GEOSOFT IP Package** was used to generate colour and black and white pseudosections of chargeability and resistivity data.

# 6. INTERPRETATION METHODOLOGY

JVX uses its many years of experience in geophysical interpretation to extract the most accurate information from the data. The procedures involved are simplified for the sake of clarity.

#### 6.1 IP /resistivity

The IP and resistivity data are interpreted using the following procedure:

1) Chargeability anomalies are picked on the pseudosections and classified using the following scheme *as a guide*:

	Very Strong (> 30 mV/V) and well defined
	Strong (20 to 30 mV/V) and well defined
	Moderate (10 to 20 mV/V) and well defined
	Weak (5 to 10 mV/V) and well defined
	Very Weak (3 to 5 mV/V) and poorly defined
xxxx Ext	remely Weak (<3 mV/V) and very poorly defined

eak of the anomaly provides a qualitative indication of the denth to the top o

The peak of the anomaly provides a qualitative indication of the depth to the top of the anomalous source and the location of the centre of the body. Where possible, the location and dipole number of the peak are written beside the anomaly bar.

2) The spectral characteristics of the anomalies are examined. The peak value of M-IP is noted, and *tau* is classified according to the following scheme:

## IPR-12/JVX Scheme:

- L Long (> 10 s)
- M Medium (0.5 s to 10 s)
- **S** Short (< 0.5 s)

# JVX

3) Resistivity anomalies are picked on the pseudosections and classified using the following scheme *as a guide*:

VH(n) Very High (> 25 000 ohm m) — highly silicified
<b>H(n)</b> High (> 10 000 ohm m) — probably silicified
WH(n) Weak High (< 10 000 ohm m) — relative increase compared to surrounding material
SL(n) Strong Low — strong decrease in resistivity
ML(n)Medium Low — medium decrease in resistivity
WL(n) Weak Low — weak resistivity decrease relative to surrounding material, where $n$ is the dipole number at which the anomaly peak is located.

- 4) Zones of high chargeability are interpreted based on resistivity and geometric information.
- 5) The anomalies are rated according to JVX' past experience.

## 7. DISCUSSION OF RESULTS

Results of the geophysical surveys have been plotted as described in the previous section and are included in Appendix C of this report. With the exception of a broad zone of high resistivity in the northern part of the grid, most of the apparent resistivity values are relatively low (~1000 ohm-m - ~5000 ohm-m) indicating a relatively uniform geology throughout. Chargeability zones are indicated on the Chargeability Plan Map and a brief discussion of these zones follows:

# Zone IP-1

This chargeability zone is located along the northern edge of the survey grid. It coincides with a very high apparent resistivity zone that is likely the result of silicification. Although the Mx values are quite weak (less than 10 mV/V), the *MIP* values are moderately strong (~250 mV/V). This suggests that the chargeabity zone is also related to sulphide mineralization. Spectral *Tau* values are generally short indicating minor/fine-grained sulphides; however, at L0/stn.200N at n=3 and n=4 values are 30s and 100s indicating a coarse-grained and/or linked source.

*Targets:* L0/150N,225N

## Zone IP-2a&b

Zone *IP-2a&b* are located in the central (L475E, L550E) and northeastern (L1000E) parts of the grid. Whether they are the result of a single broad zone is uncertain due to the large gap between the survey lines. In general, spectral *MIP and Tau* are weak (<150 mV/V) and short respectively indicating minor sulphides, except at L1000E/stn275S where the *MIP* values are ~200mV/V indicating a larger amount of sulphides.

Target: L1000E/stn275S

## Zone IP-3,a,b&c

These sub-zones are located along the southern part of the survey area. *MIP and Tau* values are generally less than 150 mV/V except on L300W/stns.550S,475S; L0/stns925S,775S; and L550E/stn.950S. Spectral *Tau* values are short to medium indicating fine-to-medium grained sulphides.

Targets: L300W/stns.550S,475S; L0/stns925S,775S; and L550E/stn.950S

## Zone IP-4, 5a&b

These narrow zones are located between IP-2a&b and IP-3b&c discussed previously. On L550E the *MIP and Tau* values indicate moderate fine-grained sulphides at stn.600S (IP-5b) and minor coarse-grained sulphides at stn.500S (IP-4). On L1000E the chargeability anomaly is almost 10 mV/V with corresponding *MIP and Tau* values of 323 mV/V and short duration. This indicates a relatively large amount of fine-grained sulphides.

Targets: L1000E/stn 700S (high priority); L550E/stn.600S,500S

# Zone IP-6

This poorly defined, weak, chargeability zone is located northwest of zone *IP-2a*. It is located along the southern ends of survey lines L250E through L350E. It may extend further east and west but at a much weaker level. The strongest *MIP* value, 337 mV/V, is located on L350E/stn.300S. The corresponding spectral *Tau* value is short indicating a relatively large amount of fine-grained sulphides.

Targets: L350E/stn 300S (high priority)

## Zone IP-7

Zone *IP-7* is located on L300W in the northwest part of the grid. It includes a pair of weak chargeability anomalies with corresponding *MIP and Tau* values of  $\sim$ 220mV/V and short duration. This indicates moderate quantities of fine-grained sulphides. A sharp drop in resistivity at stn.275S, between the pair of chargeability anomalies, may be the result of an alteration/fault zone.

Targets: L300W/stn.300S,225S

## 8. CONCLUSIONS and RECOMMENDATIONS

Numerous very weak to weak chargeability trends have been identified.

It is known that the various types of platinum deposits can be associated with low volumes of sulphides; in fact, Merensky reef type deposits can be less than 0.5% sulphides. Chargeabilities will tend to mirror the resistivities when there are high background resistivities with variable overburden thicknesses. This could be the case for zone *IP-1*. Minor sulphides associated with high resistivities can be difficult to detect solely by observing the chargeabilities. It is therefore important to observe the Spectral IP value M, as it is an indicator of sulphide content. Follow-up prospecting should then focus on the maximum Mx and associated maximum M-IP values.

# JVX

Anomalies should be correlated to the geochem and geological data to further prioritize them for drilling. Additional in-fill IP/res survey lines are recommended to further orient/define the chargeability zones.

If there are questions with regard to the survey please call the undersigned.

Respectfully submitted,

JVX Ltd.

Joe Mihelcic Geophysicist

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Blaine Webster President

**APPENDIX** A

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# SCINTREX IPC-7/2.5kW Induced Polarization and Commutated DC

Induced Polarization and Commutated DC Resistivity Transmitter System



#### Function

The IPC-7/2.5 kW is a medium power transmitter system designed for time domain induced polarization or commutated DC resistivity work. It is the standard power transmitting system used on most surveys under a wide variety of geophysical, topographical and climatic conditions.

The system consists of three modules: A Transmitter Console containing a transformer and electronics, a Motor Generator and a Dummy Load mounted in the Transmitter Console cover. The purpose of the Dummy Load is to accept the Motor Generator output during those parts of the cycle when current is not transmitted into the ground, in order to improve power output and prolong engine life.

The favourable power-weight ratio and compact design of this system make it portable and highly versatile for use with a wide variety of electrode arrays.

#### Features

Maximum motor generator output, 2.5 kW: maximum power output, 1.85 kW: maximum current output, 10 amperes; maximum voltage output, 1210 volts DC.

Removable circuit boards for ease in servicing.

Automatic on-off and polarity cycling with selectable cycling rates so that the optimum pulse time (frequency) can be selected for each survey.

The overload protection circuit protects the instrument from damage in case of an overload or short in the current dipole circuit.

The open loop circuit protects workers by automatically cutting off the high voltage in case of a break in the current dipole circuit. Both the primary and secondary of the transformer are switch selectable for power matching to the ground load. This ensures maximum power efficiency.

The built-in ohmmeter is used for checking the external circuit resistance to ensure that the current dipole circuit is grounded properly before the high voltage is turned on. This is a safety feature and also allows the operator to select the proper output voltage required to give an adequate current for a proper signal at the receiver.

The programmer is crystal controlled for the very high stability required for broadband (spectral) induced polarization measurements using the Scintrex IPR-11 Broadband Time Domain Receiver.

# Technical Description of IPC-7/2.5 kW Transmitter System



Complete 2.5kW induced polarization system including motor-generator, reels with wire, tool kit, porous pots, simulator circuit, copper sulphate. IPR-8 receiver, dummy load, transmitter, electrodes and clips.



IPC-7/2.5kW transmitter console with lid and dummy load.



Time Domain Waveform

SCINTREX

Transmitter Console	
Maximum Output Power	1.85 kW maximum, defined as VI when cur- rent is on, into a resistive load
Output Current	10 amperes maximum
Output Voltage	Switch selectable up to 1210 volts DC
Automatic Cycle Timing	T:T:T:T; on:off:on:off
Automatic Polarity Change	Each 2T
Pulse Durations	Standard: $T = 2,4$ or 8 seconds, switch selectable Optional: $T = 1,2,4$ or 8 seconds, switch selectable Optional: $T = 8,16,32$ or 64 seconds, switch selectable
Voltage Meter	1500 volts full scale logarithmic
Current Meter	Standard: 10.0 A full scale logarithmic Optional: 0.3, 1.0, 3.0 or 10.0 A full scale linear, switch selectable
Period Time Stability	Crystal controlled to better than .01%
Operating Temperature Range	-30°C to +55°C
Overload Protection	Automatic shut-off at output current above 10.0 A
Open Loop Protection	Automatic shut-off at current below 100 mA
Undervoltage Protection	Automatic shut-off at output voltage less than 95 V
Dimensions	280 mm x 460 mm x 310 mm
Weight	30 kg
Shipping Weight	41 kg includes reusable wooden crate
Motor Generator	
Maximum Output Power	2.5 kVA, single phase
Output Voltage	110 V AC
Output Frequency	400 Hz
Motor	4 stroke, 8 HP Briggs & Stratton
Weight	59 kg
Shipping Weight	90 kg includes reusable wooden crate

222 Snidercroft Road Concord Ontario Canada L4K 1B5

Telephone: (416) 669-2280 Cable: Geoscint Toronto Telex: 06-964570 Geophysical and Geochemical Instrumentation and Services

# SCINTREX

# **IPR-12 Time Domain Induced Polarization/Resistivity Receiver**

# **Specifications**

#### Inputs

1 to 8 dipoles are measured simultaneously.

#### Input Impedance 16 Megohms

#### SP Bucking

 $\pm 10$  volt range. Automatic linear correction operating on a cycle by cycle basis.

Input Voltage (Vp) Range 50 µvolt to 14 volt

Chargeability (M) Range 0 to 300millivolt

# Tau Range

1 millisecond to 1000 seconds

Reading Resolution of Vp, SP and M Vp, 10 microvolt; SP, 1 millivolt; M, 0.01 millivolt/volt

Absolute Accuracy of Vp, SP and M Better than 1%

Common Mode Rejection At input more than 100db

Vp Integration Time 10% to 80% of the current on time.

#### **IP Transient Program**

Total measuring time keyboard selectable at 1, 2, 4, 8, 16 or 32 seconds. Normally 14 windows except that the first four are not measured on the 1 second timing, the first three are not measured on the 2 second timing and the first is not measured on the 4 second timing. (See diagram on page 2.) An additional transient slice of minimum 10 ms width, and 10ms steps, with delay of at least 40 ms is keyboard selectable.

#### **Transmitter Timing**

Equal on and off times with polarity change each half cycle. On/off times of 1, 2, 4, 8, 16 or 32 seconds. Timing accuracy of  $\pm$ 100 ppm or better is required.

#### **External Circuit Test**

All dipoles are measured individually in sequence, using a 10 Hz square wave. The range is 0 to 2 Mohm with 0.1kohm resolution. Circuit resistances are displayed and recorded.

#### Synchronization

Self synchronization on the signal received at a keyboard selectable dipole. Limited to avoid mistriggering.

#### Filtering

RF filter, 10 Hz 6 pole low pass filter, statistical noise spike removal.

Internal Test Generator 1200 mV of SP; 807 mV of Vp and 30.28 mV/V of M.

#### Analog Meter

For monitoring input signals; switchable to any dipole via keyboard.

#### Keyboard

17 key keypad with direct one key access to the most frequently used functions.

#### Display

16 lines by 42 characters, 128 x 256 dots, Backlit Liquid Crystal Display. Displays instrument status and data during and after reading. Alphanumeric and graphic displays.

Display Heater Available for below -15°C operation.

#### Memory Capacity

Stores approximately 400 dipoles of information when 8 dipoles are measured simultaneously.

#### **Real Time Clock**

Data is recorded with year, month, day, hour, minute and second.

#### **Digital Data Output**

Formatted serial data output for printer and PC etc. Data output in 7 or 8 bit ASCII, one start, one stop bit, no parity format. Baud rate is keyboard selectable for standard rates between 300 baud and 51.6 kBaud. Selectable carriage return delay to accommodate slow peripherals. Handshaking is done by X-on/X-off.

#### **Standard Rechargeable Batteries**

Eight rechargeable Ni-Cad D cells. Supplied with a charger, suitable for 110/230V, 50 to 60 Hz, 10W. More than 20 hours service at +25°C, more than 8 hours at -30°C.

#### **Ancillary Rechargeable Batteries**

An additional eight rechargeable Ni-Cad D cells may be installed in the console along with the Standard Rechargeable Batteries. Used to power the Display Heater or as back up power. Supplied with a second charger. More than 6 hours service at -30°C.

#### Use of Non-Rechargeable Batteries

Can be powered by D size Alkaline batteries, but rechargeable batteries are recommended for longer life and lower cost over time.

#### Operating Temperature Range -30°C to +50°C

Storage Temperature Range -30°C to +50°C

#### Dimensions

*Console:* 355 x 270 x 165 mm *Charger:* 120 x 95 x 55mm

#### Weights

Console: 5.8 kg Standard or Ancillary Rechargeable Batteries: 1.3 kg Charger: 1.1 kg

#### Transmitters available

IPC-9 200 W TSQ-2E 750 W TSQ-3 3 kW TSQ-4 10 kW



## In Canada

222 Snidercroft Rd.	Tel.:	(905) 669-2280
Concord, Ontario	Fax:	(905) 669-6403
Canada, L4K 185	Telex:	(905) 06-964570

#### In the U.S.A.

85 River Rock Drive	Tel.:	(716) 298-1219
Unit # 202	Fax:	(716) 298-1317
Buffalo, N.Y.		
U.S.A. 14207		

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**APPENDIX B** 

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ARRAY GEOMETRY

Apparent Resistivity:

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 $\rho_{\rm d} = 2\pi$  na(n+1) Vp/I

where

$\mathcal{P}_{a}$	= apparent resitivity (ohm.m)
n	= dipole number (dimensionless)
a	= dipole spacing (m)
Vp	= primary voltage (mV)
Ĩ	= primary current (mA)

Pole-Dipole Array Array Geometry and Formula for Apparent Resistivity **APPENDIX C** 



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WORK REPORT: PHASE 2

KELLY PROPERTY (Kukagami Lake Intrusion)

# **KELLY TOWNSHIP**

SUDBURY MINING DIVISION, ONTARIO

Work Completed on Mining Claims: 1230127 and 1230126

June 23<sup>rd</sup>, 2000

Prepared For:

Pacific North West Capital Corp. 626 West Pender Street, Mezzanine Floor Vancouver, British Columbia, Canada V6B 1V9

and

Goldwright Explorations Inc. 487 Bouchard Street Sudbury, Ontario, Canada P3E 2K8

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#### SUMMARY

This report represents a work summary on the <u>second phase</u> of exploration on the Kelly Property, located in the Sudbury Mining Division, north-central Ontario, Canada. The property is located about 50 km northeast of the City of Sudbury, in the northern half of Kelly Township (Figure 1). The current exploration program is in partial fulfillment of an option agreement between Goldwright Explorations Inc. (optioner) and the optionee Pacific North West Capital Corp. (PFN) and their joint-venture partner Anglo American Platinum Corporation Ltd. (AMPLATS).

The Kelly Property has the potential to host economic accumulations of platinum (Pt), palladium (Pd) and gold (Au) metals in association with copper (Cu) - nickel (Ni) sulphides. Moreover, this property is proximal to several other highly prospective Pt-Pd-Cu-Ni properties that are currently being explored by PFN. PFN recently reported several highly anomalous diamond drill intersections from its Janes Property, one of which returned 3.1 g/t Pt+Pd+Au, 1.08% Cu and 0.27% Ni over an approximate true width of 15.05 m.

Previous work completed during the Phase 1 exploration program included: (1) an 11 km winter grid on Kukagami Lake; (2) an 11 km ground magnetometer survey over the lake winter grid; (3) a 9 km exploration grid (land) connecting the main areas of known surface sulphide mineralization; (4) prospecting, general geological mapping and sampling over the grid area; (5) reconnaissance prospecting and sampling outside of the main grid area and along strike of known mineralization; (6) clearing, power washing, trenching and blasting in the area of the main showing (approximately 50 m x 30 m area); and, (7) detailed sampling of the cleared area at the main showing.

The **current work - Phase 2** - included: (1) establishing an additional 6.0 km of exploration grid; and, (2) 9.35 km of surface induced-polarization geophysical survey (see attached report by JVX Ltd.)

At the Kelly Property, the platinum-group metals (PGM = Pt+Pd+Au) and Cu-Ni sulphide (chalcopyrite, pyrrhotite and pentlandite) occur primarily as disseminations and blebs within medium-grained, relatively homogenous hypersthene-bearing gabbroic rocks of Nipissing Diabase. The main showing of sulphide mineralization is exposed in a small (<3m x 3m) pit and there are several new showings located within 10s to 100s of meters of the main showing (Figure 3).

Observations made during the Phase 1 prospecting and reconnaissance mapping program suggest that the known mineralization is confined to a massive, hypersthene-bearing gabbro unit that extends for >1000 m along the northern edge of the Kukagami Lake intrusion (Figure 2). This massive gabbro unit dips southward at about 40 with the mineralized regions occurring between 50 and 100 m above the basal contact; stratigraphic tops is toward the south.

2

#### INTRODUCTION

The Kelly Property, centered at 5170075mN and 530065mE (NTS 411/NE), consists of 6 unpatented mining claim blocs that cover the northern part of the Kukagami Lake intrusion in Kelly Township, Sudbury Mining Division, Ontario (Figures 1 and 2). This property is one of several projects in the area that is currently under option to Pacific North West Capital Corp. by Goldwright Explorations Inc.

The Kelly Property lies within the Southern Geological Province of the Canadian Shield and is one of several properties in the area that has potential to host economic concentrations of platinum-group metals, copper and nickel that is spatially associated with Nipissing Diabase (gabbro) intrusive rocks. Sporadic exploration work from the early 1950's to present, including ongoing exploration work in the immediate area by Goldwright Explorations Inc. and Pacific North West Capital Corp., and regional geological mapping by the Ontario Geological Survey has identified sulphide mineralization in the area that is of potential economic interest.

A Phase 2 exploration program has now been completed that included: (1) establishing an additional 6.0 km of exploration grid; and, (2) 9.35 km of surface induced-polarization geophysical survey (see attached report by JVX Ltd.).

#### **LOCATION & ACCESSIBILITY**

The Kelly Property (Kukagami Lake intrusion) is located immediately east of Kukagami Lake in Kelly Township, about 50 km northeast of Sudbury (Figures 1 and 2). The property is currently accessible via the Kukagami Road, north from Hwy. #17, then by boat from Sportsman's Lodge on the southwest shore of Kukagami Lake.

#### **CLAIM STATUS**

Goldwright Explorations Inc. holds title to 6 unpatented mining claim blocs in Kelly Township, about 50 km east of the City of Sudbury, Ontario (Figure X). The mining claims encompass 96 claim units, with the following distribution:

<u>Claim No.</u>	Due Date	<u>Assessment</u>	<u>No. Claim Units</u>	<u>Area (ha)</u>
S-1229730-31	Dec. 19, 1999	\$12,800	32	512
S-1230126-27	Oct. 28, 1999	\$12,800	32	512
S-1231003	June 23, 2000	\$6,400	16	448
S-1231006	June 23, 2000	\$6,400	16	256
	TOTALS:	\$38,400	96	1536

\*the J. Whalen Prospect or main showing is located on claim #1230127

These claims are currently under option to Pacific North West Capital Corp. (Vancouver) and their joint-venture partners Anglo American Platinum Corporation Ltd. (AMPLATS).



Figure 1. Distribution of Paleoproterozoic (*ca.* 2.2 Ga) Nipissing Gabbro (Diabase) intrusions in the Southern and Superior Provinces, Ontario, Canada. Also shown are the locations of the Janes and Kelly Cu-Ni-PGE properties (circles) that are associated with Nipissing gabbros in the Sudbury District. The mining facilities of Inco Ltd. and Falconbridge Ltd. are also noted around the Sudbury Igneous Complex (SIC). The KELLY PROPERTY is number 2, located about 50 km northeast of the City of Sudbury.



Figure 2. Location of the Kelly Claim Group in Kelly Township, Sudbury Mining Division, Ontario (dashed outline; claim map G-3033). Also shown are the approximate locations of known PGE-bearing sulphide showings (filled circles); the main showing (filled square) and the location of the IP survey completed in early June 2000 (shaded boxes).

#### **REGIONAL GEOLOGY**

The Huronian-Nipissing Magmatic Province (HNMP) includes intrusive bodies such as the East Bull Lake, Agnew Lake and River Valley Intrusions (*ca.* 2.4 Ga) and younger intrusions (*ca.* 2.2 Ga) of Nipissing Diabase (Gabbro); both intrusive suites are spatially associated with and intrude Early Proterozoic sedimentary rocks of the Huronian Supergroup (*ca.* 2.45 Ga). Northwest-trending olivine gabbro dykes (*ca.* 1.2 Ga) of the Sudbury Swarm crosscut all of the older rock types. To date there are no known economic Ni-Cu-Pt-Pd-Au sulphide deposits associated with Nipissing Diabase. Nonetheless, numerous showings (>50 known) with anomalous PGM values (1-10 g/t PGM) are recorded throughout the HNMP.

**Nipissing Diabase** comprises about 25% of the outcrop area in the HNMP and consists of dominantly tholeitic to calc-alkaline rocks. The majority of Nipissing Diabase occurs as near-horizontal sheets or undulating sills, consisting of basins and arches, and dykes that are generally less than 1000 m thick. In this form, disseminated to massive sulphide mineralization is concentrated within the basin or limb portions with pods of dominantly massive pyrrhotite occurring within the arches.

Lopolithic forms outcrop as irregular-shaped intrusions and may represent deeper feeder systems to the stratigraphically higher sill and cone-shaped intrusions. In this form disseminated to semimassive sulphides are hosted by hypersthene gabbro within tens of meters of the footwall sedimentary rocks and within irregular regions at the footwall contact. This form is characterized by the gabbroic intrusion at PFN's Janes property.

**Arcuate** and open ring outcroppings of Nipissing Diabase and structural features of surrounding sedimentary rocks suggest inward-dipping, **cone-shaped intrusions** in which disseminated sulphides hosted by hypersthene gabbro are within a few hundred meters of the basal contact. This form is typified by the gabbroic intrusion at the Kelly property.



Figure 3. Exploration grid covering main Cu-Ni-PGE showing (triangle) and Cu-Ni sulphide showings (circles) located on the northern limb of the Kukagami Lake intrusion, Kelly Property (Kelly Township). Previously recorded Cu-Ni showings (likely from drill holes) are shown as squares. The larger of the two circles (east area of grid) marks the area recently examined in detail through overburden removal and clearing. The grid covers parts of unpatented mining claims 1230126 and 1230127.

High priority IP targets as outlined by JVX Ltd. are shown as filled stars.

<u>NOTE</u>: ALL GRID LINES ARE WITHIN THE CLAIM BOUNDARIES; THE NORTH LINE ON CLAIM 1230127 IS ABOUT 100M FURTHER NORTH ON THE GROUND THAN WHAT IS SHOWN ON THE MAP (LINE IN RED).

#### **PROPERTY GEOLOGY**

The Kelly Property overlies gabbroic rocks of Nipissing Diabase and sedimentary rocks of the Huronian Supergroup (Gowganda Formation). The property is located over the northern limb of a southward dipping cone sheet that extends to the east and west in an arcuate shape. The gabbro rocks unit dip southward at about 40 and a basal chilled gabbro occurs along the base of the north ridge where it is in sharp to sheared contact with sedimentary rocks of the Gowganda Formation.

Stratigraphic tops is toward the south as indicated by the presence of differentiated igneous rocks including gabbro-leucogabbro, vari-textured to pegmatitic gabbro and granophyric gabbro. In addition, a thick (>40 m), near-continuous massive unit of oxide-bearing gabbro occurs along the southern portion of the Kukagami Lake intrusion. Overlying (further south) the oxide-bearing gabbro are intermittent units of gabbro, leucogabbro and fine-grained (chilled) gabbro that form the uppermost hangingwall rocks of the intrusion. Sedimentary rocks occur intermittently along the north shore of Carafel Bay and represent the remains of the overlying roof rocks to the intrusion.

In general the original cone sheet and/or sill morphology is well-preserved. **Metamorphic grade** ranges from approximately middle greenschist (chlorite zone) to lower amphibolite facies (amphibole zone). Preliminary petrographic work has identified original igneous mineralogy and textures in all phases of the gabbroic rocks.

#### Geology and Mineralisation

The dominant rock type in the area of the exploration grid is medium-grained gabbro containing 2-10% hypersthene phenocrysts. This rock type is commonly referred to as a hypersthene-bearing gabbro and is the most common host to PGM sulphide mineralisation in Nipissing Diabase intrusives. Fine-grained to chilled gabbro, proximal to scattered outcroppings of quartzite (Huronian sediments), marks the northern gabbro-sediment contact along the northern part of the grid (Figure 3). The northern contact represents the footwall.

In general, melanocratic gabbroic rocks (mafic:felsic mineral ratio of 55:45 to 60:40) are concentrated within about 100m of the northern sedimentary contact whereas differentiated leucocratic rocks (mafic:felsic mineral ratio of 50:50 to 40:60) and oxide-bearing gabbro (1-15% total oxide) occur toward the southern contact (Carafel Bay). This suggests fractionation of the magma toward the south and therefore stratigraphic tops toward the south. This being the case, the northern gabbro-sediment contact would represent the footwall and the south, the hangingwall.

Prospecting over the main exploration grid confirmed the presence of magmatic sulphide mineralisation. To date, the main zone of sulphide mineralisation appears to be confined to about 50 to 100 m south of the northern contact and is primarily hosted by melanocratic hypersthene-bearing gabbro. Magmatic sulphide mineralisation consists of varying proportions of chalcopyrite, pyrrhotite and pentlandite occurring primarily as disseminated grains and bleb sulphide. Total sulphide content

ranges from <1% to about 12%. Subordinate sulphide-bearing rocks include coarse- to mediumgrained quartz-gabbro, medium-grained gabbro and fine- to medium-grained quartz-gabbro. The observed textures and sulphide hosting gabbroic rocks are similar to those observed at PFN's Janes property from which highly anomalous PGE values are reported.

At the main showing (J. Whalen prospect), sulphide mineralisation is exposed in a small (<3m x 3m) pit and several new showings are located within 10s to 100s of meters of the main showing (Figure 3). Observations made during the Phase 1 prospecting and reconnaissance mapping program confirm that the known mineralisation is confined to a massive, hypersthene-bearing gabbro unit that extends for >1000 m along the northern edge of the Kukagami Lake intrusion (Figure 2). This massive gabbro unit dips southward at about 40 with the mineralized regions occurring between 50 and 100 m above the basal contact. Basal chilled gabbro occurs along the base of the north ridge along with sedimentary rocks of the Gowganda Formation. Stratigraphic tops is toward the south as indicated by the presence of differentiated igneous rocks including gabbro-leucogabbro, vari-textured to pegmatitic gabbro and granophyric gabbro. In addition, a thick (>40 m), near-continuous massive unit of oxide-bearing gabbro occurs along the southern portion of the Kukagami Lake intrusion. Overlying (further south) the oxide-bearing gabbro are intermittent units of gabbro, leucogabbro and fine-grained (chilled) gabbro that form the uppermost hangingwall rocks of the intrusion. Sedimentary rocks occur intermittently along the north shore of Carafel Bay and represent the remains of the overlying roof rocks to the intrusion.

#### **TOPOGRAPHY AND VEGETATION**

Topography on the Kelly Property is characterized by generally east-west trending ridges of gabbroic rocks with a mixture of gradual slopes and meter- to 10's of meters high cliffs. The primary vegetation on the ridges is mixed forest consisting of spruce, oak, birch and poplar, with alders, cedars, and poplar dominating the intervening low and swampy ground. Overburden consists primarily of <0.5 m humus-rich soils on the ridges but with areas of thick (>2.0 m) silty sand, humus-rich soils, clay and poorly developed glacial till. Locally overburden may be >5 m thick.

Kukagami Lake is located to the north, south (Carafel Bay) and west of the property with numerous small (<500 m) ponds and lakes occurring throughout the property.

#### **PROPERTY HISTORY**

The earliest reported work on the Kukagami Lake property is from 1969 and 1970. As in the area of PFN's Janes Property (Janes Township), most of the work focused on base metal (Cu-Ni) exploration

and included airborne geophysics (mag-EM), geological mapping, trenching and minor diamond drilling.

#### Gold Cliff Mines Ltd. - 1896

Exploration immediately north of the claim blocs uncovered visible gold in east-west trending quartz veins that occurred along contact between gabbroic rocks of the Nipissing Diabase and Gowganda Formation sedimentary rocks. More than 610 m of stripping and trenching was completed and a 55 m adit intersected auriferous quartz veins.

#### Kelly-K-Mines Ltd. - 1966-67

Located on the east side of a large peninsula toward south end of Kukagami Lake and southwest of the Kelly property claim blocs. Sulphide-bearing quartz-carbonate veins contained sub-economic concentrations of Au, Ag and Pb. The mineralized quartz veins were associated with the contact between gabbroic rocks of the Nipissing Diabase and Gowganda Formation sedimentary rocks. Diamond drilling returned an average of 0.10 oz/t Au, 1.3 oz/t Ag, 8.78% Pb over a 0.3-0.45m core length.

#### Kennco Explorations (Canada) Ltd. - 1969-70

Kennco Explorations completed airborne magnetometer-EM with follow-up ground work that included geological mapping, trenching and diamond drilling. At their East Trench (main showing in Figure 2) diamond drilling returned assays of 0.48% Cu and 0.24% Ni over 7.5m, including 0.59% Cu and 0.30% Ni over 1.8m.

#### Nickeldale Resources Inc. - 1986

Nickeldale's exploration work included prospecting, humus geochemistry and ground geophysical surveys (magnetometer and VLF-EM) over the area that included the East Trench (main showing) (Figure 2). Grab samples returned anomalous Ni (0.02%), Cu (0.1%), Pd (0.22 g/t), Pt (0.08 g/t) and Au (0.08 g/t) values in the gabbroic rocks that contained 1-3% total visible sulphides. Eleven (11) multi-element anomalies with elevated Ni-Cu-Pd-Pt-Au were outlined from 733 humus samples. The ground and airborne mag-EM surveys failed to delineate any significant targets and no follow-up diamond drilling was reported.

#### Ontario Geological Survey (P.C. Lightfoot) - 1991

The Kelly property was part of a regional study undertaken by the OGS. During the study several grab samples were collected that returned values of up to 4.16 g/t Pd, 1.10 g/t Pt, 0.6 g/t Au (5.86 g/t combined Pt+Pd+Au) in the East Trench (main showing) and up to 1.84 g/t Pd, 0.22 g/t Pt, 0.09 g/t Au (2.15 g/t combined Pt+Pd+Au) in the Northeast Trench (furthest showing to the west in Figure 2).

#### Wright Prospecting Syndicate - 1995

Exploration work included Horizontal Loop-EM, Total Field-magnetometer and Maxiprobe-EM surveys over the north-central part of Kukagami Lake (Figure 5). Although the mag-survey outlined the local geology, the HL-EM and Maxiprobe-EM surveys outlined two (2) moderate conductors that are coincident with the presumed contact between an olivine diabase dyke and gabbro. Several small conductors were also noted, north and southwest of the two stronger conductors.

#### **CURRENT WORK**

#### Phase 2

A Phase 2 exploration program has now been completed. This phase included: (1) establishing an additional 6.0 km of exploration grid; and, (2) 9.35 km of surface induced-polarization geophysical survey (see attached report by JVX Ltd.).

#### Induced Polarization Geophysical Survey

A 9.35 km induced polarization (IP) survey was completed over selected parts of the exploration grid by JVX Ltd. (see attached report for details). Figure 2 shows the outline of the areas over which the IP survey was completed. References made to the exploration grid in the IP report are as follows: grid L9+75N corresponds to station 0 north (0N) on the eastern IP sections and BL0 (0E on IP) and grid L7+75N corresponds to 0 north (0N) on the western (300W) IP section. This survey outlined several target areas (Figure 3):

(1) L0 - 150N, 225N
 (2) L1000E - 275S
 (3) L300W - 550S, 475S
 (4) L0 - 925S, 775S
 (5) L550E - 950S
 (6) L1000E - 700S [high priority]
 (7) L550E - 600S, 500S
 (8) L350E - 300S [high priority]
 (9) L300W - 300S, 225S

#### **CONCLUSIONS & RECOMMENDATIONS**

The induced polarization survey completed by JVX Ltd. delineates several weak to very weak chargeabilty anomalies that may indicate the presence of disseminated sulphide. It is recommended that these near-surface IP anomalies be followed up on the ground and if need be hand stripped to find the source. Therefore, a \$7,000 prospecting and mapping program inclusive of the geophysical ground-truthing work is recommended. Any further programs would then be contingent on the results of this program.

# **CERTIFICATE OF QUALIFICATION**

I, Scott Jobin-Bevans of 225 Ferndale Avenue, Sudbury, Ontario, Canada, do hereby certify that:

- 1. I am a consulting geologist with the mineral exploration company JB Exploration & Development of Sudbury, Ontario.
- 2. I am a graduate of the University of Manitoba, Winnipeg, Manitoba with a B.Sc. (Hons.) Geology 1995, and M.Sc. Geology 1997.
- 3. I am a member of the Society of Economic Geologists and the Canadian Institute of Mining, Metallurgy and Petroleum.
- 4. I have been an exploration geologist and prospector for ten years.
- 5. I am a member of the Association of Geoscientists of Ontario.
- 6. I have an active prospector's license for the province of Ontario (# H14027).
- 7. I have not received any direct or indirect interest in Pacific North West Capital Corp. but I am a share holder in the private company Goldwright Explorations Inc. (Sudbury).
- 8. This report is intended to be an overview of the mineral potential of the property or properties with recommendations and conclusions that are based solely on the available data.

1. Jobutorans

Scott Jobin-Bevans (B.Sc., M.Sc. Geology) June 23<sup>rd</sup>, 2000 Association of Geoscientists of Ontario, Member

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2. Type of work performed: Check (*) and report on only ONE of the following groups for this declaration.         X       Geotechnical: prospecting, surveys, ternching and associated assays       Rehabilitation         X       Geotechnical: prospecting, surveys, ternching and associated assays       Rehabilitation         X       Geotechnical: prospecting, surveys, ternching and associated assays       Office Use         X       Commodity       Total & Value of Work Claimed       15. 24.6         Y       York Prom       Cong Ol total associated assays       NTS Reference         December Work       Prom       Cory Ol total associated assays       NTS Reference         December Work       Prom       Cory Ol total associated assays       NTS Reference         December Work       Prom       Cory Ol total associated assays       NTS Reference         December Work       From       Cory Ol total associated assays       NTS Reference         December To:       - obtain a work permit from the Ministry of Natural Resources as required;       - provide proper notice to surface rights holders before starting work;       - omplet and attach as Battement of Costs, form 0212;       - provide amp showing configuous mining lands that are linked for assigning work;         - include two copies of your technical report       (Attach a list if necessary)       Respons Number         Name       Scott Jobin - Bevans		22200	Fax Number		
2. Type of work performed: Check (/) and report on only ONE of the following groups for this declaration.         Relabilitation assays and work under section 18 (regs)       Physical: drilling stripping. trenching and associated assays       Rehabilitation         Work Type Line Cutting       Office Use Commodity       Office Use Commodity       Office Use Commodity         Total 8 Value of Work Claimed       15.246       Office Use         Deswork From Performed       Own Obj Ver 2000 <sup>10</sup> Cay 22 Low Obj Ver 2000       NTS Reference         Mining Division Performed       Total 8 Value of Vork Claimed       J.S.246         Now Claimed       Total 8 Value of Vork Claimed       State Coologist State Performed: Statement of Cay 33         Please remember to:       obtain a work permit from the Ministry of Natural Resources as required; - provide proper notice to surface rights holders before starting work; - provide proper notice to surface rights holders before starting work; - include two copies of your technical report (Attach a list if necessary)         Name       Telephone Number Scott Jobin - Bevans       Telephone Number Scott Jobin - Bevans         Name       Telephone Number Statement       Statement of Casts, form 0212; - provide and statement of Casts, form 0212; - provide					
2. Type of work performed: Check (*) and report of only       Physical: drilling stripping. trenching and associated assays       Rehabilitation         Week Type Line Cutting       Commodity       Total & Yalue of Work Claimed       Office Use         Total & Yalue of Work Claimed       Commodity       Total & Yalue of Work Claimed       Total & Yalue of Work Claimed         Datas Work From Or Ol   work Off   ver 2000 <sup>To</sup> Or Ol   work Off   ver 2000 <sup>To</sup> Or Ol   work Claimed       Total & Yalue of Work Claimed       Mining Division         Base Work From Or Ol   work Off   ver 2000 <sup>To</sup> Or Ol   work Claimed       Total & Yalue of Work Claimed       Mining Division       Sudducy         Base Work From Or Ol   work Off   ver 2000 <sup>To</sup> Or Ol   work Claimed       Total & Yalue of Work Claimed       Mining Division       Sudducy         Base Work From Or Ol   work Off   ver 2000 <sup>To</sup> Or Ol   work Claimed       Total & Yalue of Work Claimed       Mining Division       Sudducy         Base Work Permit From the Ministry of Natural Resources as required; - provide proper notice to surface rights holders before starting work; - include two copies of your technical report       Attach a list if necessary)         Name       Secont J Jobin - Bevans       Telephone Number       Secont - Sol - OSS3         Address       Fax Number       Secont - Sol - OSS3       Pop YAL         Address       Fax Number       Secont - Sol - OSS3       Pop YAL         Name		ack (() and report on only ONE of the following	groups for this declaration.		
Residentification by Recorded Holder or Agent       Image: State of Agent       Image: State of Agent         Name       Second Agent       Telephone Number       Telephone Number         1       Line Cutting       State of Agent       Commodity         Image: State of Agent       State of Agent       Mining Division       State of Agent         Please Work From One Of I was down on the Ministry of Natural Resources as required;       Please remember to:       Obtain a work permit from the Ministry of Natural Resources as required;       Please remember to:       Obtain a work permit from the Ministry of Natural Resources as required;         1       Drow of the amathe/Agent       Telephone Number       Statement of Costs, form 0212:       Office Use         1       Drow of the amather of the technical report       Attach a list if necessary)       Telephone Number       Statement of Costs, form 0212:         1       provide a map showing contiguous mining lands that are linked for assigning work;       Include two copies of your technical report       Please set of the CELVED         Name       Scott Jobin - Bevans       Telephone Number       Scott Jobin - Scott Sco	2. Type of work performed: Un	Physical: drilling stripp	ing, Rehabilitation		
Work Type       Line Cutting       Commodity         Line Cutting       Total 3 Value of       Work Claimed         Total 3 Value of       Work Claimed       15.266         Performed       Commodity       Mining Overside       Mining Overside         Mar Giblan Number       Commodity       Mining Overside       Sudbuck         Please remember to:       - obtain a work permit from the Ministry of Natural Resources as required;       - provide groper notice to surface rights holders before starting work;         - complete and attach a Statement of Costs, form 0212;       - provide groper notice to surface rights holders before starting work;       - include two copies of your technical report.         3. Person or companies who prepared the technical report (Attach a list if necessary)       Mare       Mare         Name       Scott Jobin - Bevans       Telephone Number         Address       Fax Number       - Sul-0653         Name       Telephone Number       - Sulphone Number         Address       Fax Number       - Sulphone Number         Address       Fax Number       - Sulphone         Name       Telephone Number       - Sulphone         Name       Telephone Number       - Sulphone         Name       Fax Number       - Sulphone         Name       Telephone Numb	A Geotechnical: prospecting, s assays and work under section	on 18 (regs) L trenching and associat	ed assays		
Line Cutting Induced - Polarization Geophysical Survey Totals Value of Work Claimed Development Developm	Work Type		Commodity		
Ind viced - Polan taillow contrinue       Work Claimed       15.000         Development       Development       Work Claimed       15.000         Performed       Development       Development       NTS Reference         Orbot Mark Permit Provide proper notice to surface rights holders before starting work; - provide proper notice to surface rights holders before starting work; - complete and attach a Statement of Costs, form 0212; - provide a map showing contiguous mining lands that are linked for assigning work; - include two copies of your technical report.         3. Person or companies who prepared the technical report.       Telephone Number         Address       Telephone Number         Address       Fax Number <td>Line Cutting</td> <td>Geophysical Survey</td> <td colspan="3">Total \$ Value of</td>	Line Cutting	Geophysical Survey	Total \$ Value of		
Desse Work       Prom       Cay O 1   Moore Ob   Year 2000       To manip/Area       Mining Division       Sud buck y         Global Positioning System Data (if available)       Township/Area       KELLY       Mining Division       Sud buck y         Please remember to:       - obtain a work permit from the Ministry of Natural Resources as required; - provide proper notice to surface rights holders before starting work; - complete and attach a Statement of Costs, form 0212; - provide a map showing contiguous mining lands that are linked for assigning work; - include two copies of your technical report.         3.       Person or companies who prepared the technical report.       Attach a list if necessary)         Name       Scott Jobin - Bevans       Bestore Number         Address       Fax Number       Jun 2 2 2000         Name       Telephone Number       Jun 2 2 2000         Address       Fax Number       Jun 2 2 2000         Address <td>Induced - Polan rath</td> <td></td> <td>Work Claimed 15,266</td>	Induced - Polan rath		Work Claimed 15,266		
Performed       Optimized       Name       Start Sector       Start Sector<	Dates Work From	Yang 2000 Day 22 Month Year 2000	NTS Reference		
Mor Q-Plan Number       Resident Geologist       Resident Geologist         Please remember to:       - obtain a work permit from the Ministry of Natural Resources as required;       - provide proper notice to surface rights holders before starting work;         - complete and attach a Statement of Costs, form 0212;       - provide a map showing contiguous mining lands that are linked for assigning work;         - include two copies of your technical report.         Telephone Number         Telephone Number         - Address         Address       Telephone Number         Address       Telephone Number         Name       Telephone Number         Address       Fax Number         Name       Telephone Number         Address       Fax Number         Address       Fax Number         Address       Fax Number         Address       Fax Number         Name       Telephone Number         Address       Fax Number         Address       Fax Number         Name       Telephone Number         Address       Fax Number         Address       Fax Number         Signature of Procended Holder or Agent       Objectent facts set forth in this Declaration of Assessment Work having caused the work to be performed or witnessed the same	Performed Day O Month CO Global Positioning System Data (if available)	Township/Area KELLY	Mining Division Sudbury		
Please remember to:       - obtain a work permit from the Ministry of Natural Resources as required;         - provide proper notice to surface rights holders before starting work;         - complete and attach a Statement of Costs, form 0212;         - provide a map showing contiguous mining lands that are linked for assigning work;         - include two copies of your technical report.         Telephone Number         Address         Par Number         Address         Par Number         Address         Par Number         Address		Mor G-Plan Number (F - 3033	Resident Geologist		
3. Person or companies who prepared the technical report (Attach a list if necessary)         Name       Scott Jobin - Bevans         Address       Fax Number         Jaddress       Jobin - Bevans         Address       Fax Number         Address       Telephone Number         Address       Fax Number         JUN 2 2 7000       GEOSCIENCE ASSESSMENT OFFICE         OFFICE       JUN 2 2 7000         GEOSCIENCE ASSESSMENT OFFICE       OFFICE         Jun 2 2 7000       GEOSCIENCE ASSESSMENT OFFICE         Jun 2 2 7000       Geoscience Factors of my knowledge, the annexed report is true.         Signature of Recorded Mode or Agent       Date         Agent's Address       Suddbury 138 302       Telephone Number         Agent's Address       Suddbury 138 302       Telephone Number         705 - 5 2 Y - 8060       Fax Number	Please remember to: - obtain a wo - provide pro - complete a - provide a r - include two	ork permit from the Ministry of Natural Resource oper notice to surface rights holders before start and attach a Statement of Costs, form 0212; map showing contiguous mining lands that are li o copies of your technical report.	es as required; ing work; nked for assigning work;		
3. Person or companies who prepared the technical report (Attach a list if necessary)         Name       Scott Jobin - Bevans         Address       Telephone Number         Baddress       Telephone Number         Address       Fax Number         Address       Telephone Number         Address       Fax Number         Address       Fax Number         Address       Telephone Number         Address       Fax Number         Address       Generation by Recorded Holder or Agent         I					
Name       Scott Jobin - Bevans         Address       235 Ferndale Ave. Sudbury, ON. P38322         Name       Telephone Number         Address       Fax Number         JUN 2 2 2000       getoscience Assessment Office         JUN 2 2 2000       Getoscience Assessment Office         I. L. Scott Jobin - Bevans       , do hereby certify that I have personal knowledge of the facts set forth in this Declaration of Assessment Work having caused the work to be performed or witnessed the same during or after its completion and, to the best of my knowledge, the annexed report is true.         Signature of Records Floider or Agent       Date         Agent's Address       Telephone Number	3. Person or companies who	prepared the technical report (Attach a list if	Telephone Number		
Address       Fax Number 705 - 521-0653         Name       Telephone Number         Address       Fax Number         Address       Fax Number         Address       Telephone Number         Address       Fax Number         Address       Telephone Number         Address       Telephone Number         Address       Fax Number         Address       Fax Number         Address       Fax Number         Address       GEOSCIENCE ASSESSMENT         OFFICE       JUN 2 2 7000         GEOSCIENCE ASSESSMENT       OFFICE         OPINI Name       , do hereby certify that I have personal knowledge of the facts set forth in         It is Declaration of Assessment Work having caused the work to be performed or witnessed the same during or after its         Completion and, to the best of my knowledge, the annexed report is true.         Signature of Pacortee Fielder or Agent       June 22/000         Agent's Address       Sudbury 138 3(2 705-52 Y - 8060	Name Scott Jobin-B	evans	705-524-8060		
Name       Telephone Number         Address       Fax Number         Name       Telephone         Address       Telephone         Address       Telephone         Address       Fax Number         JUN 2 2 2000       GEOSCIENCE ASSESSMENT         OFFICE       JUN 2 2 2000         GEOSCIENCE ASSESSMENT       OFFICE         I, L. Scott Jobin-Bevans, do hereby certify that I have personal knowledge of the facts set forth in in prink Name)         this Declaration of Assessment Work having caused the work to be performed or witnessed the same during or after its completion and, to the best of my knowledge, the annexed report is true.         Signature of Reprince Rolder or Agent       Date         Agent's Address       Date         225 Ferndacle Ave. Sudburg 138 3C2       Telephone Number         705-52 Y - 8060       Fax Number         705-52 Y - 8060       705-52 I - 0655	Address 225 Feindale	ALLE. Sudbury, ON. P3B3CT	Fax Number 705 - 521-0653		
Address       Fax Number         Name       Telephone       Nome CEIVED         Address       Fax Numter       JUN 2 2 2000         GEOSCIENCE ASSESSMENT       OFFICE         I.       L. Scott       Jobin-Bevans         .       do hereby certify that I have personal knowledge of the facts set forth in Print Name)         .       Print Name)         .       .         .       <	Name		Telephone Number		
Name       Telephone       NmECEIVED         Address       Fax Number       3.10pm         4. Certification by Recorded Holder or Agent       JUN 2 2 2000         I. L. Scott Jobin-Bevans       , do hereby certify that I have personal knowledge of the facts set forth in         (Print Name)       (Print Name)         this Declaration of Assessment Work having caused the work to be performed or witnessed the same during or after its completion and, to the best of my knowledge, the annexed report is true.         Signature of Recorded Holder or Agent       Data         Agent's Address       Data         225 Ferndagle Ave. Sudburg 1363(2       Telephone Number         705-521-8060       Fax Number         705-521-8060       705-521-0651	Address		Fax Number		
Address       Fax Number       JUN 2 2 2000         4. Certification by Recorded Holder or Agent       GEOSCIENCE ASSESSMENT OFFICE         I. L. Scott Jobin-Bevans, do hereby certify that I have personal knowledge of the facts set forth in (Print Name)       Geoscience Assessment Work having caused the work to be performed or witnessed the same during or after its completion and, to the best of my knowledge, the annexed report is true.         Signature of Recorded Holder or Agent       Date         Agent's Address       Date         225 Ferndage Awe. Sudburg 1383(2       Telephone Number         705-524-8060       705-524-8060	Noma				
Address       JUN 22 2000         4. Certification by Recorded Holder or Agent       GEOSCIENCE ASSESSMENT OfFICE         1			Fax Number HIN 2 2 2000		
4. Certification by Recorded Holder or Agent       GEOSCIENCE ASSESSMENT OFFICE         I. L. Scott Jobin-Bevans (Print Name)       , do hereby certify that I have personal knowledge of the facts set forth in (Print Name)         this Declaration of Assessment Work having caused the work to be performed or witnessed the same during or after its completion and, to the best of my knowledge, the annexed report is true.       Date         Signature of Recorded Floider or Agent       Date       June 22/00         Agent's Address       Zas Ferndale Ave. Sudbury 1383(2 705-524-8060       Fax Number 705-521-0651	Address		JUN 2 2 2000		
Completion and, to the best of my knowledge, the annexed report is tide.         Signature of Recorded Fielder or Agent         Agent's Address         225 Ferndale Ave.         Sudbury 1383(2         705-524-8060         705-524-8060	4. Certification by Recorded 1. L. Scott Jobin-P (Print Name) this Declaration of Assessment M	Holder or Agent <u>evans</u> , do hereby certify that I have fork having caused the work to be performed or	GEOSCIENCE ASSESSMENT OFFICE personal knowledge of the facts set forth in witnessed the same during or after its		
Agent's Address 225 Ferndale Ave. Sudbury 1383(2 705-524-8060 705-521-065 0241 (03/97)	completion and, to the best of my	Anowieuge, me annexed report to the	Date 22/22		
Agent's Address 225 Ferndale Ave. Sudbury 1383(2 705-524-8060 705-521-065 0241 (03/07)	Signature of Recurued Holder of Age	Telephone Numb	er Fax Number		
0241 (03/97)	Agent's Address 225 Ferndale AV	e. Sudbury 1383(2 705-524	- 8060 705-521-065		
	0241 (03/97)	J			

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5. Work to be recorded and distributed. Work can only be assigned to claims that are contiguous (adjoining) to the minin land where work was performed, at the time work was performed. A map showing the contiguous link must accompany the form

work w mining column indical	Claim Number. Or if as done on other eligible land, show in this the location number led on the claim map.	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	value of work assigned to other mining claims.	to be distributed at a future date
eg	TB 7827	16 ha	\$26,825	N/A	\$24,000	\$2,825
eg	1234567	12	٥	\$24,000	0	0
eg	1234568	2	\$ 8,892	\$ 4,000	0	\$4,892
1	5-1230127	16	₱13,739	0	\$12,800	\$939
2	5-1230126	16	#1,527	0	0	*1,527
3	5-1231003	16	0	\$6,400	0	0
4	5-1231006	16	0	\$6,400	0	0
5						
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<u></u>	Çolumn Totals	64	\$15,266	\$12,800	\$12,800	#2,466

L. Scott Jobin-Bevans	, do hereby certify that the above work credits are eligible unde
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(Print Full Name) subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim where the work was done. where the work was done.

Signature of Becorded Herder or Agent Authorized in Writing	Date June	22/00	
<ol> <li>Instruction for cutting back credits that are not a</li> </ol>	pproved.	THECEIVE	
Some of the credits claimed in this declaration may be cuprioritize the deletion of credits:	ut back. Please check	(*) in the boxes below to sh	iow how you wish to SMENT
1. Credits are to be cut back from the Ba	ank first, followed by o	option 2 of 3 of 4 as of the to	d
2. Credits are to be cut back starting with	h the claims listed last	t, working backwards; or	

- 3. Credits are to be cut back equally over all claims listed in this declaration; or
- 4. Credits are to be cut back as prioritized on the attached appendix or as follows (describe):

Note: If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first, followed by option number 2 if necessary.

For Office Use Only		
Received Stamp	Deemed Approved Date	Date Notification Sent
	Date Approved	Total Value of Credit Approved
	Approved for Recording by Minir	ng Recorder (Signature)

241 (03/97)

<b>A</b> #1=1abr - 4	Statement of Costs	Transaction Number (office	use)
(V) Ontario	for Assessment Credit	W0010.0012	3
Personal information collected on this form is obtained. Act, this information is a public record. This inform collection should be directed to a Provincial Mining 685.	ned Hinder(the authority of subsection 6 (1) of the Assess ation will be used to review the assessment work and con Rectified Ministry of Northern Development and Mines, 2000	ment Work Regulation 6/96. Under se respond with the mining land holder. C 3rd Floor, 933 Ramsey Lake Road, Si	action 8 of the Mining Questions about this udbury, Ontario, P3E
JUN 22 A.S.J. 2:45 Work Typ	2000 P.M. Units of work Depending of the type of work, list the number of hours/day worked, metres of drilling, kilometres of grid	Cost Per Unit of work	Total Cost
	line, number of samples, etc.		
Comparisal Sucha (TI)	9.35 km	\$1187.°°/EM	\$ 11,098.45
Deepingsrear strict ()	6.0400	#325/km	#1,950.°=
LINE CUTTING	3.5 dayas	\$300/day	\$ 1,050.="
<u>Geolog / Car Conson / g</u>	5. 5 <i>G</i> (1)		
Associated Costs (e.g. supplie	s, mobilization and demobilization).		
Transp	ortation Costs		<b>\$</b> ,117,50
Вод	T/MOTOR RENTAL & FUEL		167.=
Food and	I Lodging Costs		
	Total 9 90 4 9 4	Value RECEIVED	<b>*</b> 15,265.95
Calculations of Filing Discounts:	お・20434	JUN 2 2 2000	
<ol> <li>Work filed within two years of per</li> <li>If work is filed after two years and Value of Assessment Work. If this</li> </ol>	formance is claimed at 100% of the above 1 up to five years after performance, it can o situation applies to your claims, use the ca	Tota V <b>atos O ÉNCISASSESSAL V</b> nly the claimed <b>Gif KOF%</b> of the Iculation below:	o'k. Total
TOTAL VALUE OF ASSESSMENT V	/ORK x 0.50	= Total \$ value of	worked claimed.
<ul> <li>Note:</li> <li>Work older than 5 years is not eligentiated and the second sec</li></ul>	gible for credit. In to verify expenditures claimed in this state rection/clarification. If verification and/or con the assessment work submitted.	ement of costs within 45 days rrection/clarification is not ma	of a de, the
Certification verifying costs:			
I, <u>L. Scott Jobin-Bevan</u> (please print full name) be determined and the costs were in	S, do hereby certify, that the amounts curred while conducting assessment work o	shown are as accurate as ma n the lands indicated on the a	y reasonably ccompanying
De closetion of Mart form th	AGENT	I am authorized to make	e this certification
	led holder, agent, or state company position with signing autho	rity)	

Signature	Date
1. 10012	TUNE 22/00
/ 100 == =	

0212 (03/97)

Ministry of Northern Development and Mines

Ministère du Développement du Nord et des Mines

August 11, 2000

GOLDWRIGHT EXPLORATIONS INC GENERAL DELIVERY HAGAR, ONTARIO P0M-1X0



Geoscience Assessment Office 933 Ramsey Lake Road 6th Floor Sudbury, Ontario P3E 6B5

Telephone: (888) 415-9845 Fax: (877) 670-1555

Visit our website at: www.gov.on.ca/MNDM/MINES/LANDS/mismnpge.htm

Dear Sir or Madam:

Submission Number: 2.20434

Status

Subject: Transaction Number(s): W0070.00123 Approval

We have reviewed your Assessment Work submission with the above noted Transaction Number(s). The attached summary page(s) indicate the results of the review. WE RECOMMEND YOU READ THIS SUMMARY FOR THE DETAILS PERTAINING TO YOUR ASSESSMENT WORK.

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice. Allowable changes to your credit distribution can be made by contacting the Geoscience Assessment Office within this 45 Day period, otherwise assessment credit will be cut back and distributed as outlined in Section #6 of the Declaration of Assessment work form.

Please note any revisions must be submitted in DUPLICATE to the Geoscience Assessment Office, by the response date on the summary.

If you have any questions regarding this correspondence, please contact JIM MCAULEY by e-mail at james.mcauley@ndm.gov.on.ca or by telephone at (705) 670-5880.

Yours sincerely,

teven B. Beneter

**ORIGINAL SIGNED BY** Steve B. Beneteau Acting Supervisor, Geoscience Assessment Office Mining Lands Section

Correspondence ID: 15147 Copy for: Assessment Library

# **Work Report Assessment Results**

Submission Num	<b>ber:</b> 2.20434			
Date Correspondence Sent: August 11, 2000			Assessor:JIM M	CAULEY
Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W0070.00123	1230127	KELLY	Approval	August 11, 2000
<b>Section:</b> 14 Geophysical IP	•			
At the discretion o at any time.	f the Ministry, the as	sessment work performed on the min	ing lands noted in this work re	eport may be subject to inspection and/or investigation
Correspondence	to:		Recorded Hold	ler(s) and/or Agent(s):
Resident Geologist			Laurence Scott Jobin-Bevans	
Sudbury, ON			SUDBURY, ON	, CAN

Assessment Files Library Sudbury, ON

GOLDWRIGHT EXPLORATIONS INC HAGAR, ONTARIO







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![](_page_59_Picture_1.jpeg)

Scale 1:2500 50 (meters) 4 -PACIFIC NORTH WEST CAPITAL CORP. KELLY PROPERTY KELLY TWP., NTS 41 I/10 NE ONTARIO CHARGEABILITY (N=2, 'a' = 25 m) CONTOUR MAP Contours: 0.5 & 1 mV/V JVX Ltd., ref. no. 0-28, June 2000

![](_page_60_Figure_0.jpeg)

-- | ----Scale 1:2500 (meters) PACIFIC NORTH WEST CAPITAL CORP. KELLY PROPERTY KELLY TWP., NTS 41 I/10 NE ONTARIO APP. RESISTIVITY (N=2, 'a' = 25 m) CONTOUR MAP Logarithmic Contours: phm-m JVX Ltd., ref. no. 0-28, June 2000