

52J02NE0004 2.11669 BECKINGTON LA

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GEOPHYSICAL REPORT PROTON MAGETOMETER AND VLF EM-16 SURVEYS DAVIDSON-CARR PROPERTY ABH EAST GROUP

for

VILLENEUVE RESOURCES INC.



By: IAN SPENCE PHANTOM EXPLORATION SERVICES LTD.



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TABLE OF CONTENTS

LIST OF MAPS INCLUDED IN THIS REPORT (1:2500)

1. PROTON MAGNETOMETER SURVEY READINGS (2 MAPS)

2. PROTON MAGNETOMETER SURVEY CONTOURS (2 MAPS)

3. VLF EM-16 PROFILES (2 MAPS)

4. VLF EM-16 FRAZER FILTERED READINGS (2 MAPS)

APPENDIX A: LIST OF CLAIMS COVERED BY THIS REPORT APPENDIX B: LIST OF ANOMALIES

INTRODUCTION

Proton Magnetometer and VLF EM-18 surveys were carried out over the Davidson-Carr Property for Villeneuve Resources Inc. during the winter of 1988. The ABH West Claim Group is comprised of 9 Patented claims and 64 unpatented claims (a complete list of the claims is included in Appendix A). Approximately 73 miles of grid was established over the group at a station interval of 100 feet along lines that were spaced every 400 feet. A Scintrex MP-2 Proton Magnetometer was used for the magnetic survey and a Geonics EM-16 was used for the VLF Survey.

LOCATION AND ACCESS

The property is located approximately 140 miles to the north of the village of Ignace in Northwestern Ontario. Access to the claim group is provided by snow machine in the winter and boat in the summer. The nearest hamlet is Savant Lake located along Highway 580 to the west of the property. The claim group itself is situated on the Northeast Arm of Sturgeon Lake.

THEORY OF OPERATION

The Proton Magnetometer

The Proton Precession Magnetometer is SO named because it utilizes the precession of spinning protons or nuclei of the hydrogen atom in a sample hydrocarbon fluid to measure the total magnetic of field intensity. The spinning protons in a sample of as small. kerosene behave spinning magnetic dipoles. These magnets are temporarily polarized by application of a uniform magnetic field generated by current in a coil of wire. When the current is а removed, the spin of the protons causes them to precess about the direction of the ambient (earth's) magnetic field. The precessing protons then generate small signal whose frequency is а precisely proportional to the total magnetic field intensity independent of the orientation and the coil The proportionality (sensor). which relates the field intensity is called frequency to the gyromagnetic ratio of the proton. The precession frequency, typically 2000 Hz, is measured as the absolute value of the total magnetic field intensity with an accuracy of 1 gamma.

The total magnetic intensity, as measured by the proton magnetometer is the magnetitude of the field vector independent of earth's of its The measurement can be expressed as a direction. length (50,000 gammas) of the earth's field vector. A local disturbance, say 10 gammas, would add (or subtract) to the undisturbed field of 50,000 gammas in the usual manner of vector addition. Since the proton magnetometer measures only the magnitude of resultant vector (whose direction is almost the to the undisturbed total field vector). parallel that which is measured is very nearly the component disturbance vector in the direction of the of the undisturbed total field. Thus the change in total field intensity is called the anomaly.

The VLF EM-18

The VLF transmitting stations operating for communications with submarines have a vertical antenna. The antenna current is thus vertical, creating a concentric horizontal magnetic field around them. When these magnetic fields meet conductive bodies in the ground, there will be secondary fields radiating from these bodies. The VLF EM-16 measures the vertical components of these secondary fields.

The VLF EM-16 is a sensitive receiver covering the frequency bands of the VLF transmitting

stations with means of measuring the vertical field components.

The receiver has two inputs with two receiving coils built into the instrument. One coil has a normally vertical axis and the other has a horizontal axis.

The signal from one of the coils (vertical axis) is first minimized by tilting the instrument. The tilt angle on the VLF EM-16 is calibrated as a percentage and not as a true dlp. This is significant in the calculation of the Fraser Filter data since the larger numbers obtained from the percentage meter will result in larger filtered The remaining values. signal in this coil is balanced out by a measured percentage of a signal from another coil, after being shifted 90 degrees. This coil is normally parallel to the primary field.

Thus, if the secondary field signals are small compared to the primary horizontal field, the mechanical tilt angle is an accurate measurement of the vertical real component, and the compensation 90 degree signal from the horizontal coil is a measure of the quadrature vertical signal.

SURVEY PROCEDURE

The Proton Magnetometer

The magnetometer data was collected at 100 intervals using an Scintrex MP-2 Proton foot Magnetometer. The field data from the surveys was then referred to a base station recorder Scintrex MBS-2 which operated continuously throughout the survey. The purpose of the recorder was to correct the fluxuations in the earth's magnetic field as the survey took place. Data was corrected. then plotted on a map scale of 1" = 400 feet and contoured at 200 gamma intervals.

The VLF EM-16

The Cutler, Maine transmitter station was chosen because of its favourable orientation to the geology of the area.

VLF readings were taken at 100 foot intervals over the entire grid using the Geonics EM-16 with both the dip angle and the quadrature being noted at each station.

To take a reading, the reference coil ("T") In the lower end of the handle is orientated along the magnetic lines 90 degrees to the station This direction. is achieved by swinging the instrument back and forth until a minimum sound intensity is heard. The quadrature dial is then adjusted until the sound level is further minimized.

The dip angle is then read from the inclinometer and the quadrature from the dial. The north direction was always faced when a reading was taken.

LINECUTTING

Approximately 75 miles of line was cut over the 73 claim property. Picket stations were established at 100 foot intervals along the grid lines. Line spacings were at 400 feet. The baseline was cut at 083 degrees azimuth to parallel the regional trends of the airborne conductive trends. Grid lines were normal to the baseline at 353 degrees azimuth.

DISCUSSION OF RESULTS

Generally speaking all of the geophysical surveys yeidled meaningful information. The magnetometer survey delineated a number of anomalous trends which were probably due to interformational sulphide horizons within a volcanic package. The VLF survey was also successful in defining these magnetic anomalies in terms of their conductivities.

The Proton Magnetometer Survey

The total field survey was extremely useful in outlining a number of magnetic trends which occur on the claim group.

The complexity of these anomalies is evident at a glance. There seems to be a swing in the strike of the lithology in the shape of a backwards "c" from grid north to grid south.

There are a great many magnetic anomalized on the property and these responses are likely due for the most part, to interformational sulphides within an sequence of volcanic flows.

A listing of the magnetic and electromagnetic anomalies can be found in appendix "B".

The economic signifigance of these magnetic trends can only be evaluated by a geological mapping and sampling program.

The VLF EM-16 Survey

The VLF EM-16 survey was extremely useful in defining the conductivities of the magnetic trends. The only drawback is the topographic noise which inherently affects a high frequency survey such as this. Unfortunatly the property is located over a area where a great deal of these type of anomalies are produced (the Northeastern Arm of

Sturgeon Lake). A list of the major conductive responses can be found in Appendix "B".

CONCLUSIONS AND RECOMMENDATIONS

1) The Proton Magnetometer survey was successful in defining a number of magnetic horizons occuring on the property.

2) It is therefore recommended that a geological mapping and sampling program be conducted over the property in order to determine its economic potential.

Respectfully Submitted 1 lan Spence Geologist

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1 1 1988

MINING LINIDS SECTION

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APPENDIX

LIST OF CLAIMS COVERING THIS REPORT

LIST OF CLAIMS COVERED BY THIS REPORT

ТΒ	19538	PA	911618
ТВ	19537	PA	911619
ТΒ	19536	PA	91162Ø
TB	19535	PA	911621
ТВ	19534	PA	911622
TB	19533	PA	911623
ТВ	19532	PA	911624
ТВ	19531	PA	911627
ТΒ	19530	PA	911628
PA	902109	PA	911629
PA	902110	PA	911630
PA	902111	PA	911631
PA	902116	PA	911632
PA	902117	PA	911678
PA	902118	PA	911679
PA	902119	PA	911541
PA	902120	PA	911546
PA	902121	PA	911547
PA	902122	PA	911548
PA	902123	PA	911551
PA	902124	FA	911552
PA	902125	PA	911553
PA	902126		
PA	902127		
PA	902128		
PA	902129		
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PA DA	502145 039142		
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PA	902151		
PΔ	902152		
PA	902153		
PA	902154		
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LIST OF ANOMALIES

APPENDIX "B"

	<u> </u>	ANOMALY	LENGTH FEET	FROM	OF	CONDUCTIVITY	MAG
		A	2400	140+00 S 8700 W Q	164+00 S 9000 W	GOOD TO	YES
		A	1600	96+00 S 8400 W	84+00 S 82+00 W	MODERATE	YES
		В	3600+	92+00 S 7100 W	132+00 S I 8100 W	MODERATE	FLANKING
		C	1200+	116+00 S 6700 W	128+00 S 6300 W	POOR	NO
		С	2000+	136+00 S 6800 W	156+00S 6400 W	POOR	NO
		D	2000+	156+00 S 7300 W	176+ØØ W 68 W	GOOD	YES
		E	400+	152+00 S 5200 W	156+ØØ W 53ØØ W	POOR	NO
		Е	800+	176+00 S 5300 W	184+00 S 5400 W	POOR	POSSIBLE
-		F	800+	196+ØØ S 46ØØ W	208+00 S 4400 W	WEAK	YES
		G	1200+	148+00 S 3500 W	16Ø+ØØ S 35ØØ W	POOR	FLANKING
		H	1200+	196+00 S 2500 W	208+00 S 2800 W	MODERATE	FLANKING
		I	2800+	180+00 S 400 W	208+00 S 100 E	POOR	NO
		I1	600	166+ØØ S 5ØØ W	172+00 S 300 W	WEAK	NO
		J & J1	1300+	152+00 S 300 E	164+ØØ 6ØØ E	POOR	NO
		К	1100	148+00 S 1100 E	158+00 S 1700 E	MODERATE	FLANKING
		L	500	132+00 S 2500 E	136+00 S 2600 E	GOOD	YES
•		М	400+	124+00 S 1800 E	128+00 S 1900 E	WEAK	NO

)	N	400 +	60+00 S 900 E	68+00 S 1300 E	MODERATE	POSSIBLE
	0	2000	72+00 S 600 W	92+00 S 300 W	POOR	YES
	Р	<400	88+ØØ S 200 E		WEAK	FLANKING
	Q	<400	88+00 S 1100 W		POOR	NO
	R	2400	44+00 S 1300 W	68+00 S 1000 W	POOR	NO
	S	<400	92+00 S 600 E		MODERATE	FLANKING
	Т	<400	92+00 S 1400 E		POOR	FLANKING
	U	<400	100+00 S 400 E		POOR	YES
	V	<400	104+00 S 400 W		WEAK	NO
	W	<400	128+00 S 500 W		MODERATE	YES
	x	<400	132+00 S 200 W		MODERATE	FLANKING
	Y	400+	120+00 S 300 E	124+00 S 500 E	POOR	MINOR
	Z	<400	56+ØØ S 6ØØ E		POOR	NO
	A1	800+	140+00 S 2000 W	148+00 S 1800 W	POOR	POSSIBLE

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for

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By: IAN SPENCE PHANTOM EXPLORATION SERVICES LTD.



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TABLE OF CONTENTS

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Proton Magnetometer and VLF EM-16 surveys were carried out over the Davidson-Carr Property for Villeneuve Resources Inc. during the winter of 1988. The ABH West Claim Group is comprised of 17 unpatented claims (a complete list of the claims is included in Appendix A). Approximately 18 miles of grid was established over the group at a station interval of 100 feet along lines that were spaced every 400 feet. A Scintrex MP-2 Proton Magnetometer was used for the magnetic survey and a Geonics EM-16 was used for the VLF Survey.

LOCATION AND ACCESS

The property is located approximately 140 miles to the north of the village of Ignace in Northwestern Ontario. Access to the claim group is provided by snow machine in the winter and boat in the summer. The nearest hamlet is Savant Lake located along Highway 580 to the west of the property. The claim group itself is situated on the Northeast Arm of Sturgeon Lake.

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intensity is heard. The quadrature dial is then adjusted until the sound level is further minimized. The dip angle is then read from the inclinometer and the quadrature from the dial. The north direction was always faced when a reading was taken.

LINECUTTING

Approximately 18 miles of line was cut over the 17 claim property. Picket stations were established at 100 foot intervals along the grid lines. Line spacings were at 400 feet. The baseline was cut at 025 degrees azimuth to parallel the regional geological trends. Grid lines were normal to the baseline at 205 degrees azimuth.

DISCUSSION OF RESULTS

The magnetic survey was successful in defining a number of trends which occur over the claim group. All of the magnetic responses are weak to moderate with values being generally between 300 to 1600 gammas above background. Responses such as indicate these would the an assemblage of disseminated to semi-massive sulphides of pyrite and pyrrhotite. The longer trends are likely the result of interformational sulphide bearing horizons within a volcanic package.

The best magnetic response occurs along the west shore of a narrow lake between lines $112+\emptyset\emptyset$ South at $3+\emptyset\emptyset$ East and line $56+\emptyset\emptyset$ South at $5+\emptyset\emptyset$ East. The measured strike length of this trend is $64\emptyset\emptyset$ feet however it continues off of the grid in both directions. It has spot highs and dipoles along its strike length about $30\emptyset-110\emptyset$ gammas above background. The best response along the trend is on line $52+\emptyset\emptyset$ South where a reasonably broad $14\emptyset\emptyset$ gamma high occurs. A steep dip to the east is indicated at this point.

trend occurs approximately 800 Another feet below the trend described above. This trend has a measured strike length of 4000 feet although it to continue off of the grid in both appears directions. The best response is on line 56+00 South where the trend seems to be converging with the trend above it. It is found between line 92+00 South 8+00 East and line 56+00 South at 8+50 East. at There is a break or discontinuity between lines 60+00 and 68+00 South of the trend which probably represents a break in the mineralization.

Another series of trends occur between line 76+00 South and line 8+00 South between 10+00West and 16+00 West. The trends in this area are generally between 2400 feet and 3200 feet in length. A number of shorter responses are attendant to these major trends and seem to cut towards the longer lineations at an angle. This discordant nature of the magnetic horizons may well be the result isoclinal folding.

Α arcuate shaped anomaly occurs between lines 44+00 South at 6+00 West and 28+00 South at West. This anomaly is interesting because of 4+00 morphology and shorter strike length. its Its response is about 300 to 700 gammas above background due to а disseminated and likely sulphide assemblage.

There are a number of spot one line responses which occur over the grid. These responses are probably due to isolated sulphide lenses of pyrrhotite and pyrite within a volcanic pile.

VLF EM-16 Survey

The best response in terms of conductivity was conductor "F" located between line 40+00 South at 1200 West. This conductor is of moderate to good conductivity and approximately 400 feet in length. It has correlating magnetic expression of 250 gammas and is possibility due to sulphide horizon within disseminated the а volcanics.

Conductor "A" is located between lines 24+00 South at 6+00 West and 12+00 South at 13+00 West. The anomaly correlates with a narrow arm of a lake and it is probably due to that topographic feature. The nearest magnetic anomaly of 700 gammas is found of line 12+00 South and it is doubtful that there is any correlation between this magnetic response and the VLF anomaly.

Conductor "B" is a weak, 2000 foot anomaly located on line 100+00 South at 2200 East and 80+00 South at 1400 East. The anomaly corresponds with the trough of a narrow lake which would account for the poor conductivies observed along its strike length.

Conductor "C" is another weak conductor located between lines 80+00 South at 11+00 West and 68+00 South at 8+00 West. This conductor correlates with a lake shore and it is believed to be the result of a topographic response.

Conductor "D is a weak conductor of 400feet located between lines 68+00 South and 72+00South. This conductor has no magnetic correlation and believed to be the result of a topographic response.

Conductor "E" is a weak conductor between 400 feet and 600 in length. It is located between lines 60+00 South and 64+00 South. This conductor has a 300 gamma flanking low associated with it and may be due to a weak bedrock response.

Conductor "G" is a two line conductor between $4\emptyset\emptyset$ feet and $6\emptyset\emptyset$ in length and weak conductivity. It is located between lines $1\emptyset8+\emptyset\emptyset$ South and $112+\emptyset\emptyset$ South and has no associated magnetic trend. It is therefore believed that this conductor is due to a topographic feature.

There a a number of one line and isolated responses present on the grid and it is felt that the majority of these conductors are the result of topographic features such as lakeshores ,bogs, etc.

Overall the geophysical surveys were moderately successful in obtaining the goals that they set out to achieve.

CONCLUSIONS AND RECOMMENDATIONS

1) The magnetometer Survey was the most informative in terms of suggesting the presence structural features such as of folding and/or faulting. It also was successful in delineating a number of magnetic horizons on the property which will serve as a focus for further exploration.

2) The VLF EM-16 survey indicated that the majority of the magnetic horizons displayed very little conductivity. The one conductor of any interest would be conductor "F".

3) It is therefore recommended that a geological and geochemical program be conducted over the property in order to properly assess its economic potential. A more sophisticated geophysical method such as IP would be in order if a follow-up geochemical and geological warranted it.

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MILLING LANDS SECTION

Respectfully Submitted Ian Sperce Geølogist

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APPENDIX

LIST OF CLAIMS COVERING THIS REPORT

LIST OF CLAIMS COVERED BY THIS REPORT

PA 913483 PA 913484 PA 913485 PA 913488 PA 913489 PA 91349Ø PA 913491 PA 913492 PA 913493 PA 913494 PA 913495 PA 913496 PA 913497 PA 913498 PA 913499 PA 913500 PA 913501

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Claim Holder(s)	CAC 6	· · · · ·			SQUAU	D'LAKE Prospector's Licence N	<u>G-3140</u>
VILLENEUVE Address	E RESOURCES	5 170)			75023	
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I hereby certify that I have a	personal and intimate kr	nowledge of	the facts set for	th in the Report	of Work annex	ed hereto, having perfo	rmed the work
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VILLENEUVE ABH PROPERTY - CLAIM LIST Page 1

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PROJ NAME	OWNER	TOWNSHIP	TA6	NO	frfs≠⊋,	DAYS	CREDIT
АВН	VILLENEUVE RESOURCES	BECKINGTON LAKE	PA	902109		60	
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE	PA	902110		1	
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE	PA	902111			
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE	PA	902116			
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE	PA	902117			
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE	PA	902118		1.1	
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE	PA	902119			
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ABH	VILLENEUVE RESUDRCES	BELKINGIUN LAKE	PA DA	902139			
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ADU	VILLENEUVE RESUURCES	COULD LAKE	DV.	902141			1 Styles
600 ADU	VILLENEUVE RESOURCES		PA	902142			Muller
800 ADU	UTI I ENERGYE RESOURCES		PΔ	902145		AY	
	VILLENEUVE REGULACES	SOUNN LAKE	PA	902145		ls¥ I	ori fiven (<)
ADU	UTI I ENFLUE PESOIRCES	RECYINGTON LAKE	PA	902146	l l	4	ALULIALD A
ARH		BECKINGTON LAKE	PA	902147	(- 5	EP - 1 1988
ARH		BECKINGTON LAKE	PA	902148	·		
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE	PA	902149	1	\- ^P	ATRICIA MINING /11/
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE	PA	902150		1.	
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE	PA	902151		K/X	Kiel
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE	PA	902152			
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE	PA	902153			
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE	PA	902154			
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE	PA	911541			
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE	PA	. 911546			
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE	PA	911547			
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE	PA	911548			
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE	PA	911551			
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE	PA	911552			
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE	PA	911553			
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE	PA	911554			
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE	PA	911618			
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE	PA	911619		.//	
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE	PA	911620		V	-

08/29/88

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PROJ NAME	OWNER	TOWNSHIP TA	6 NO	Tikfiting .	DAYS	CREDIT
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE PA	911621	6	0	
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE PA	911622		1	
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE PA	911623			
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE PA	911624			
ABH	VILLENEUVE-RESOURCES	- BECKINGTON LAKE PA			╋╼┥	
ABH		BECKINGTON-LAKE-PA		<u> </u>	╉╾╼	
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE PA	911627			
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE PA	911628		1	
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE PA	911629		i i	
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE PA	911630	: •		
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE PA	911631			
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE PA	911632			
ABII		BECKINSTON LAKE PA	911678		╉╼	
-ABH	VILLENEUVE-RESOURCES		-911679			
ABH	VILLENEUVE RESOURCES	SQUAW LAKE PA	913483			
ABH	VILLENEUVE RESOURCES	SQUAN LAKE PA	913484			
ABH	VILLENEUVE RESOURCES	SQUAW LAKE PA	913485			
ABH	VILLENEUVE RESOURCES	SQUAW LAKE PA	913486			
ABH	VILLENEUVE RESOURCES	SQUAN LAKE PA	913487			
ABH	VILLENEUVE RESOURCES	SQUAW LAKE PA	913488			
ABH	VILLENEUVE RESOURCES	SQUAN LAKE PA	913489			
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE PA	913490			
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE PA	913491			
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE PA	913492		1	
ABH	VILLENEUVE RESOURCES	RECKINGTON LAKE PA	913493			
ARH		BECKINGTON LAKE PA	913494		1	
ARH	VILLENEUVE RESOURCES	BECKINGTON LAKE PA	913495]	
ARH		RECKINGTON LAKE PA	913496			
ARH	VILLENEUVE RESOURCES	SOUAN LAKE PA	913497			
ARH	VILLENEUVE RESOURCES	SQUAW LAKE PA	913498			
ARH	VILLENEUVE RESOURCES	SQUAN LAKE PA	913499		1	
ARH	VILLENEUVE RESOURCES	SQUAM LAKE PA	913500			
ARH	VILLENEUVE RESOURCES	SQUAN LAKE PA	913501		1	



Ontario Ministry of Northern Developme and Mines	nt (Geophysical, Geochemical a	ork Geologica nd Expen	MU300] I. ditury 1910	1n 3. <i>235</i>	structions: – – Note: –	Please type or prin If number of min exceeds space on th Only days credits "Expenditures" sec	it. ing claims trans nis form, attac calculated ition may be	aversed h a list. in the entered
MINING LIS			Mining	Act 2,116	69 -	in the "Expend. Do not use shaded a	Days Cr." co reas below.	olumns.
Type of Survey(s,	12 EVE AL				Township	or Area	Aug (a	262.2
Claim Holder(s)	ATSICAL				DEC	Prospector's Licence	$\frac{1KIC}{CO-\bullet}$	(552)
VILLE	NEIVE RES	OURCE	S IN	-		T 50	23	
Address					_			
188 PERK	EAULT,	VAL D	i'or,	QUEBEC	J 9	P2H5		
VIILE NEUVE	RESOURCES	To	JC	05 02 9	99 07	04 83	87 mil	en 1
Name and Address of Author (o	f Geo-Technical report)			Uay Mo,	Yr. Day	MO. Yr.	4	
DAVE GLI	DIDON 603	- 199	ACADENY	DR. TH	funder 1	SA-1, ONT.	17B 5W	2
Credits Requested per Each (Claim in Columns at r	ight	Mining Cla	ims Traversed (List in nume	erical sequence)		<u> </u>
Special Provisions	Geophysical	Days per Claim	Prefix	Number	Expend. Days Cr.	Prefix Nu	m Ex nber Da	cpend, iys Cr.
For first survey:	- Electromagnetic	40	Ž PA N	911625				
includes line cutting)	- Magnetometer	20		911626				
	- Badiometric			111020				
For each additional survey: using the same grid:	-		a carrier and a second	411648	<u> </u>			
Enter 20 days (for each)	- Other			911679				
1 1.18803	Geological		50.85					
ref: woods	Geochemical							
Man Days	Geophysical	Days per						
Complete reverse side	Geophysical	Claim		DEC	EIVE			
and enter total(s) here	- Electromagnetic			REC				
	- Magnetometer	· · · · ·	-	007 (14 1988			
	Radiometric							
	• Other			MINING LA	NDS SECT	T AN 28		
	Geological							
	Geochemical						- Irop	
Airborne Credits		Days per				A The second second	nnk	र्श्र
		Claim					<u> </u>	X
Note: Special provisions credits do not apply	Electromagnetic						-4988	Fig
to Airborne Surveys.	Magnetometer					Too H	- 8 ISANN	s FI
	Radiometric						AICIA MIN	Fin
Expenditures (excludes powe	er stripping)	I				Se - PAT	DIVISIO	\mathbf{A}
Type of Work Performed						175	TTT	
			-				1-1-1-	
Performed on Claim(s)								
	, <u> </u>							
			State of the		1			
Calculation of Expenditure Days	Credits	Fotai	STREET.					
Total Expenditures		s Credits						
\$	÷ [15] = [Total number of m claims covered by 1	ining L	
Instructions						report of work.		,
choice. Enter number of days	portioned at the claim h credits per claim selecte	older's	l	or Office Use C	Inly			$ \rightarrow $
in columns at right.			Recorded	Cr. Date Recorded	IARR	Mining Recorder	C	180
Date	orded Holder or Agent (S	Signature)	2.10	Date/Approved	s Recorded	Branch Director	MON/ NOT	
Oct. 3, 1988	Soran Ma	don.	240	Hel A	uned	Chater	reit	
Certification Verifying Repo	rt of Work			/				
I hereby certify that I have a or witnessed same during and	personal and intimate kr /or after its completion	nowledge of and the anr	f the facts set fo nexed report is t	orth in the Report of rue.	of Work anne:	xed hereto, having pe	rformed the w	ork
Name and Postal Address of Pers	on Certifying	-	·				4	
ZORAN MI	ADON	188	(ERREAU	VAL	- Dior	QUEBE	ic J9/	ZHS
				Date Certified	1988	Certified by (Signa	mak	
1362 (85/12)				,	1100	four .	1	

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Ministry of Northern Development and Mines

Ministère du Développement du Nord et des Mines

December 9, 1988

Mining Lands Section 3rd floor, 880 Bay Street Toronto, Ontario M5S 1Z8 Telephone: (416) 965-4888

Your file: W8803-212 & W8803-235 Our file: 2.11669

- Kalanta a shi shekara

Auguard Augus

OFFICE

DEC 1:, 1968

Mining Recorder Ministry of Northern Development and Mines Court House P.O. Box 3000 Sioux Lookout, Ontario POV 2TO

Dear Madam:

RECEIVED Re: Revised Notice of Intent dated November 21, 1988 Geophysical (Electromagnetic & Magnetometer) Survey submitted on Mining Claims Pa 902109 et al in Beckington Lake and Squaw Lake Areas

The assessment work credits, as listed with the above-mentioned Notice of Intent, have been approved as of the above date.

Please inform the recorded holder of these mining claims and so indicate on your records.

Yours sincerely,

W.R. Cowan Provincial Manager, Mining Lands Mines & Minerals Division

SH:pl Enclosure

> cc: Mr. G.H. Ferguson Mining and Lands Commissioner Toronto, Ontario

> > Villeneuve Resources Ltd. 188 Perreault Avenue Val d'Or, Quebec J9P 2H5

Resident Geologist Sioux Lookout, Ontario

Mr. David Gliddon Suite 603 199 Academy Drive Thunder Bay, Ontario P7B 5W2



Ministry of Northern Development and Thes

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Technical Assessment Work Credits

2.11669 Date November 21, 1988 Work No. W8803-212

File

"REVISED"

Recorded Holder

Villeneuve Resources Ltd.

Beckington Lake and Squaw Lake Areas

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical 40 days	
Magnetometer 20 days	Pa 902109 to 111 inclusive 902116 to 128 inclusive
Radiometric days	902130 to 132 inclusive 902134 to 154 inclusive 911541
Induced polarization days	911546 to 548 inclusive 911551 to 554 inclusive
Other days	911619 to 624 inclusive 911627 to 632 inclusive
Section 77 (19) See "Mining Claims Assessed" column	913483-85 913490 to 493 inclusive
Geological days	913495 to 501 inclusive
Geochemical days	
Man days 🗌 🛛 Airborne 🗌	
Special provision 💭 Ground 🙀	
Credits have been reduced because of partial coverage of claims.	
Credits have been reduced because of corrections to work dates and figures of applicant.	
Special credits under section 77 (16) for the following r	nining claims

20 days Electromagnetic10 days Electromagnetic10 days Magnetometer5 days MagnetometerPa 902129-33Pa 911618913484-89-94913488

No credits have been allowed for the following mining claims

not sufficiently covered by the survey

🗴 insufficient technical data filed

Pa 913486-87

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical - 80; Geologocal - 40; Geochemical - 40; Section 77(19) - 60.



Ministry of Northern Development and ***ines

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Technical Assessment Work Credits

2.11669 Date November 21, 1988 Mining Recorder's Report of Work No. W8803-235

File

Recorded Holder	_
Villeneuve Resourd	ces Inc.
Beckington Lake A	rea
Type of survey and number of	Mining Claims Assessed
Assessment days credit per claim Geophysical	
Electromagnetic 32 days	
16	Pa 911678-79
Magnetometer 10 days	
Radiometric days	
Induced polarization days	
Other days	
Section 77 (19) See "Mining Claims Assessed" column	
Geological days	
Geochemical days	
Man days 🗌 🛛 Airborne 🗋	
Special provision 🔀 Ground 🔀	
X Credits have been reduced because of partial coverage of claims.	
Credits have been reduced because of corrections to work dates and figures of applicant.	
Special credits under section 77 (16) for the following r	mining claims
· · · · · · · · · · · · · · · · · · ·	
No credits have been allowed for the following mining o	laims
not sufficiently covered by the survey	X] insufficient technical data filed
	Pa 911625-26

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical - 80; Geologocal - 40; Geochemical - 40; Section 77(19) - 60.







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L 96 S	436 356 749 372 2388 2661 597 469 598 784 645 598 1026 674 754 702 631 602 696 1204 858 765 694 671 655 623	L 96 S
L 100 S	475 420 912 1676 2422 672 1345 805 642 805 1147 759 753 881 566 571 770 590 756 981 745 1374 834 600 645	L 100 S
L 104 S	529 529 4105 253 1475 975 665 919 1067 602 646 767 714 532 740 831 717 276 754 1339	L 104 S
L 108 S	581 514 812 576 569 521 591 463 467 496 733 799 829 965 1253 791 658 675 593 649 621 571 594 1 403	L 108 S
L 112 S	507 408 2176 559 2269 372 926 770 775 719 657 782 655 672 1009 762 1173 685 509 274 593 633 633 633 634 617 607 594	L 112 S
L 116 S	484 396 361 137 5825 982 810 677 734 844 601 960 751 1178 911 75 659 590 621 802 824 710 688 683 603 573 572 562 602 589	L 116 S
L 120 S	2338 770 2578 595 556 616 511 610 1119 1014 958 3049 673 557 597 971 727 683 697 625 631 585 555 631 585 555 623 720 893 726 575 599 952 1053	L 120 S
L 124 S	631 624 881 919 487 607 807 804 809 792 591 654 650 676 624 634 623 06 609 598 609 598 609 727 654 694 699 727 713 4900 898 727 713 4900 898 727 713 4900 898 727 713 4900 898 727 713 4900 898 727 713 4900 898 727 713 727 713 727 713 727 713 727 713 727 713 727 713 727 727 727 727 727 73 727 73 727 73 727 73 727 73 727 73 727 73 727 73 727 73 727 73 727 73 727 73 727 73 727 73 727 73 727 73 727 73 73 727 73 73 727 73 73 727 73 73 727 73 73 727 73 73 727 73 73 727 73 73 727 73 73 727 73 73 727 73 73 727 73 727 727	L 124 S
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L 136 S	623 513 550 662 826 603 411 842 620 1902 633 776 1460 1621 1790 1420 1621 1790 1420 1621 1790 1420 1580 1124 847 418 613 628 621 606 659 630 628 621 606 659 630 628 792 717 746 750 616 669 731 750 616 658 1266 1030 951 910 1161	L 136 S
L 140 S	1371 10 777 543 1758 798 740 1527 1021 579 671 552 554 564 413 1084 696 632 635 709 659 677 609 587 609 584 579 654 632 635 709 587 609 514 629 614 621 699 614 621 699 713 706 723 707 690 929 929 920 723 706 723 707 <	L 140 S
L 14 S	3854 1291 927 864 1123 1056 1097 900 755 688 374 628 627 526 617 807 740 631 526 602 617 807 740 631 526 602 617 807 740 631 525 602 613 609 603 604 761 820 761 821 836 1033 968 761 821 847 912 1272 1033 968 761 822 847	L 144 S
	457 369 530 145 4476 445 524 503 623 623 624 503 625 714 812 743 719 1780 625 728 841 977 860 716 696 692 672 678 695 728 841 977 860 692 672 676 697 745 784 997 993 994 993 994 910 1021 924 933 902 1021 954 905 1021	L 148 S
L 152 S	561 576 582 662 1415 1506 987 788 709 788 709 64 615 671 615 672 71 64 615 671 652 711 855 912 830 774 700 774 707 713 769 710 713 767 709 710 713 768 730 940 1053 955 924 904 880 935 924 904 857 818 835 781 782 7	, 152 S
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LEGEND

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MINING DIVISIO	N: SIOU	X LOOKOU	T MAIS	PROU.:	ABH CLAIMS
MAP REFEREN	CE No.:	G-2532	r J	NTS No	.: 52-J-2
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L 72 S	L 68 S	L 64 S	L 60 S	L 56 S	L 52 S	L 48 S	L 44 S	L 40 S	L 36 S	L 32 S	L 28 S	2 YC -







LEGEND O**POCRAPH**I RIVER STREAM SWAMP & BOUNDARY X LAKE SHORE 580 HIGHWAY BUSH ROAL BEAVER DAM MAGNETOMETER SURVEY INSTRUMENT: SCINTREX MP-2 DATUM: 60,000 GAMMAS SENSITIVITY: 1 GAMMA CONTOUR INTERVAL: 200 GAMMAS MAGNETIC LOW: BASE STATION RECORDER INSTRUMENT: SCINTREX MBS-2 RECORDING INTERVAL: 20 SECONDS 2.11339 VILLENEUVE RESOURCES ABH EAST GROUP PROTON MAGNETOMETER CONTOURED/READINGS PROV .: ONTARIO TWP/AREA: BECKINGTON LAKE, AREA MINING DIVISION: SIOUX LOOKOUT PROJ .: ABH CLAIMS MAP REFERENCE No.: G-2532 NTS No.: 52-J-2 DRAFTED: CHECKED: SHEET: of DATE: JULY 1988 PHANTOM EXPLORATION SERVICES LTD.



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L 72 S	L 68 S	L 64 S	r 60 S	L 56 S	L 52 S	L 48 S	L 44 S	L 40 S	r 36 S	L 32 S	L 28 S	L 24 S

90'35' 90.40 NORTH A _50**°**05' LEGEND TOPOGRAPH STREAM 1 SWAMP & BOUNDARY LAKE SHORE 580 HIGHWAY BUSH ROAD BEAVER DAM INSTRUMENT: GEONICS VLF EM-16 TRANSMITTER STATION: CUTLER, MAINE PROFILE SCALE: 1" = 100 UNITS OPERATOR FACING NORTH FRASER FILTER CONTOUR INTERVAL: CONDUTOR AXIS (BEDROCK) CONDUTOR AXIS (TOPOGRAPHIC) QUADRATURE DIP ANGLE -43 r 30 🖊 - CONDUCTOR AXIS 49 - -12 2.11669 48 - 11 VILLENEUVE RESOURCES ABH EAST GROUP FRASER FILTER SURVEY READINGS TWP/AREA: BECKINGTON LAKE AREA PROV. ONTARIO PROJ ABH CLAIMS MINING DIVISION: SIOUX LOOKOUT NTS 00: 52-J-2 MAP REFERENCE No.: G-2532 CAECKED: DRAFTED: DRAWN BY: SHEET: DATE: JULY 1988 SCALE: 1"=400' of PHANTOM EXPLORATION SERVICES LTD.

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