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REPORT

ON

GEOPHYSICAL SURVEYS NEW CINCH URANIUM MINES LIMITED SAVANT TOWNSHIP PATRICIA MINING DIVISION ONTARIO



July 14, 1971.

W. G. Wahl Limited

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July 14, 1971.

Mr. A. W. White, Suite 416, 25 Adelaide Street West, Toronto 1, Ontario

Dear Mr. White:

Submitted herewith is the report on:

GEOPHYSICAL SURVEYS
NEW CINCH URANIUM MINES LTD.
SAVANT TOWNSHIP
PATRICIA MIXING DIVISION
ONTARIO

Several conductors were mapped by the geophysical surveys some of which appear to be caused by conductive overburden; whereas, others appear to be associated with a bedrock source and are coincident with areas of high magnetic relief.

It is recommended that these more interesting anomalies be detailed on a 200 foot grid using a vertical loop EM survey unit to further define the existing conductors.

eastern shore of Savant Lake approximately 50 miles northeast from the town of Savant Lake. The survey was conducted by R. Mercir and C. Miller of Mid-North Engineering Services Limited over the following mineral claims:

PA 254494 PA 254495 PA 254497

held in trust by Mid-North Engineering Services Limited, Suite 416,

25 Adelaide Street West , Toronto, Miner's Licence No. A-22041.

The geology of this area is shown as Geological Map No. 37j "Savant Lake Gold Area" by the Ontario Department of Mines. Airborne data covering this area is published in Geophysical Paper 920G "Neverfreeze Lake" by the Geological Survey of Canada. This area is coded under the National Topographic Series 52 - J - 9.

A grid system, comprising of 12,125 feet, including baselines was carried out under the supervision of Mr. C. Huston, P.Eng, of Wawa, Ontario. The Laseline trends east-west with picket lines trending north-south at 400 foot intervals. One hundred foot stations were established on all lines.

Mr. C. Miller during the period from June 15 to June 17, 1971.

A Sharp PMF - 3 magnetometer with a sensitivity of ± 10 gammas recorded the vertical magnetic field intensities at fifty foot intervals on all lines.

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A total of 242 stations were occupied during the course of the survey.

The magnetic data is assumed to be correct and has been adjusted for magnetic diurnal, and reduced to a local datum. The data is presented on the enclosed map as station values as well as contoured interpretation of these data.

## EM SURVEY

Mr. R. Mercier during the period from June 15 to June 17,1971. employing a Ronka EM-16 (VLF) survey unit. This unit measured the inphase component and the out of phase component or quadrature effect, with a sensitivity of ± 1%. The VLF station used was Cutler, Maine, having a frequency of 17.8 KHz. Stations were occupied at 50 foot intervals and the station value plotted on the enclosed map in profile form reading north or. all lines. Two hundred and forty-two stations were occupied taking 484 readings; that is, two per station.

The decapty as passive rapidly the output leterateen be Mines was extended and defined the geophysical surveys.

The granite is characterized by low uniform magnetics. The volcanics are characterized by moderate magnetic relief. Within the volcanics are lenticular bands of higher magnetic relief. These bands are thought to be tuffaceous horizons. contact between the granite and the volcanics is characterized by very high magnetic relief +10,000 gammas. This high magnetic relief is thought to be caused by magnetite along the contact.

Several conductors were mapped some of which appear to be caused by conductive overburden; whereas, others appear to be associated with a bedrock source and are coincident with areas of high, above background, magnetic relief.

It is recommended that several of the more promising conductors be detailed on a 200 foot grid using a vertical loop EM survey unit to further define the existing conductors.

> Yours very truly, ROFESSION

W. G. WAHL LIMY

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February 1, 1972

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Court Bouse, Sieux Lookout,	Ontario.				
Dear Sir:				•••	3.
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•	e.cc:	Mr. D. Suite 1	G. Wahl, P. Er 101, 302 Bay 105, Ontario	street,	The state of the s
	Carleson Juliania	Toronto	105, Ontario	•	
	cc:	416 - 2	th Engineering 5 Adelaide Str	reet W.,	.td.,
		Toronto	1, Ontario.	ELZIMS I.,	
	10 DAYS		W. White, 25 Adelaide Si	treet W.,	The same of the sa
		Toronto	1, Ontario.		
	cc:	Residen	t Geologist,	PROBLEM NESS	经营业 藥學
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Type of Survey	Magnetometer Su	rvey	vne of survey	for	ĺ
A separate form is required for each type of survey  Fownship or Area Savant Township			PERFORMANCE & COVERAGE		
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or Contractor	Nai	ne		<del></del>	ĺ
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Party Chief	Mr. R. Mercie	:r		PA 254495	ĺ
,	Nai			PA 254497	ĺ
-	416 Adelaide		st.	PR 234431	ĺ
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Consultant		nl P.Enç	J	••••••	
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ASSESSMENT WORK DETAILS

		SPECIAL PROVISION CREDITS
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Cavant Mownship	(, pc or sairc)	PERFORMANCE & COVERAGE
Township or Area		MINING CLAIMS TRAVERSED
Chief Line Cutter Mr. R. Huston, P.Eng	-	List numerically
or Contractor Name		
Wawa, Ontario Address		PA 254494
		PA 254495
Party Chief <u>Mr. C. Mercier</u> Name	1.	
416 Adelaide St. Wes		PA 254497
Address		
Consultant Mr. D. G. Wahl, P. Eng.	·	
· Suite 1101. 302 Bay S	+ Moronto	1
Address	<u> </u>	
Geological field mapping by		
	Name	
	Address	
	Address	
COVERING DATES		
COVERING DATES		
Line Cutting March 10 to April 6.	1971	
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Field June 15 to June 17.  Instrument work, geological mapping, samp	1971	
- 1 10 110 1001		
Office July 13 & 14, 1971.		<b>!</b>
INSTRUMENT DATA		
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Make, Model and Type		REGEIVED
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Scale Constant or Sensitivity ± 1%  Or provide copy of instrument data from Manufacturer's brochure.		JUL 2:2:1971
Or provide copy of instrument data from manufacturer's procedure.		+h0)2CTS
Radiometric Background Count		SECTION
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Number of Stations Within Claim Group		* •
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Number of Readings within Claim Group		
Number of Miles of Line cut Within Claim Group	2.28	
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Number of Samples Collected Within Claim Group		
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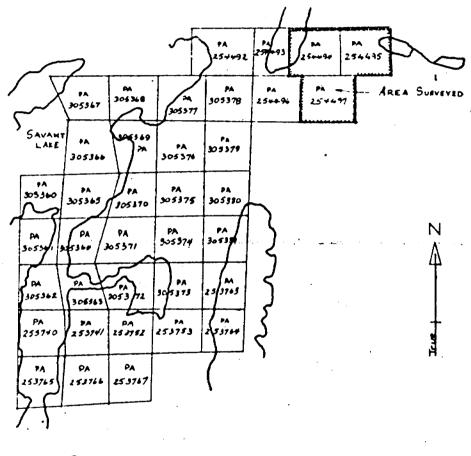
ASSESSMENT WORK DETAILS

## TECHNICAL ASSESSMENT WORK CREDITS

Recorder Holder	gineering Services Limited,
Township or Area Savant Townsh	
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Type of Survey and number of Assessment Days Credits per claim	Mining Claims
GEOPHYSICAL	
Magnetometer 40 days	
Electromagnetic 20 days	Pa. 254494
Radiometricdays	254495 254497
	254497
GEOLOGICALdays	
GEOCHEMICALdays	
Man days Ground X	
Special Provision X Airborne	
NOTICE OF INTENT TO BE ISSUED	
Credits have been reduced because of partial coverage of claims.	
Credits have been reduced because of corrections to work dates and figures of applicant.	
NO CREDITS have been allowed for the following mining claims as they were not sufficiently covered by the survey:	FEB - 1372 of

ASSESSMENT WORK DUTIES	
Type of Survey Magnetometer Survey	
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or Confractor Wawa, Ontario.	F = 2:34434
Party Chief Mr. R. Mercier	Pi. 254495
Al6 Adeleide St. West.	PA 254497
Consultant Mr. D. B. Wahl P. Eng.  1101 - 302 Bay St., Toronto	
Geological field mapping by Name	
Address	
COVERING DATES	Sec. 152.7
Line Cuttin, March 10 to April 6, 1971.	
Field June 15 to June 17, 1971.  Instrument work, geological mapping, sampling etc.	
Office July 13 & 14, 1971	
INSTRUMENT DATA	
Make, Model and Type Sharp PMF 3 (vertical fi	eld)
Scale Constant or Sensitivity ± 10 gammas  Or provide copy of instrument data from Manuacturer's brochure.	TO EN EN
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Number of Readings Within Claim Group 242	
Number of Miles of Line cut Within Claim Group 2.28	
Number of Samples Collected Within Claim Group	TOTAL CLAIMS_3
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or Contractor Wawa, Ontario		1 / 254494	
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NEW CINCH URANIUM MINES Ltd :

CLAIM LOCATION MAP

JULY 1971

