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PRELIMINARY OBSERVATIONS ON THE COPPER

ZONE OF PITCH-ORE URANIUM MINES LIMITED

Sault Ste. Marie, Ontario

RESIDENT GEOLOGIST
SAULT STE. MARIE

To date insufficient work has been done on the Pitch-ore property near Sault Ste. Marie to permit any evaluation of the ultimate potential. However, during the course of this season's exploration, enough data have been obtained to justify the following remarks.

- (1) From a geological viewpoint it is a most interesting property. Not only is there ample evidence of those tectonic forces which tend to create an environment favorable for mineral emplacement but also, even the limited amount of surface prospecting done to date suggests the possibility of almost regional perseverance.
- (2) The existence of copper and uranium mineralization in quantity has been established. The writer cannot comment on the uranium picture as he has not yet seen any assays. However, with regard to the copper zone, preliminary results indicate possibilities of a deposit of major proportions.
- (3) The assay results shown below must be interpreted with the realization in mind that Holes 5 and 7 were drilled in opposite directions from the same collar. In between them Hole 6 was put down as a vertical.

Copper Assay Results

Hole No.	From	To	% Cu
5	0	67	0.46
6	0	115	0.88
7	0	10	0.82

In calculating these values, the writer felt that it was advisable to give some consideration to the sludge samples. On a volumetric basis these could be weighted almost equally with the core but because a certain amount of gangue tends to be washed away as slimes in the sludge box, it was decided to weight the core twice as heavily as the sludges.

If the core alone is taken into consideration, the results for Hole 5 become 175 feet of 0.62% Cu. That only 115 feet were calculated for core and sludges combines is a function of the fact that sludges were not recovered beyond this point.

- (4) These results do not indicate mineralization of economic grade. However, in view of the fact that the zone is shown as having a true width in excess of 70 feet at the point where drilling has taken place, it can be readily visualized that no great improvement in grade would be required to elevate the deposit into the ore category, assuming that subsequent drilling establishes perseverance.

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THE OFFICE OF THE RESIDENT
GEOLOGIST, ONT. DEPT. OF MINES
SAULT STE. MARIE, ONT.

INDIVIDUAL ASSAY RESULTS

<u>Hole No.</u>	<u>CORE</u>			<u>SLUDGE</u>		
	<u>From</u>	<u>To</u>	<u>% Cu</u>	<u>From</u>	<u>To</u>	<u>% Cu</u>
No. 5	0	5	0.32	5	15	0.89
	5	10	0.38	15	25	1.00
	10	15	0.70	25	35	0.84
	15	20	0.58	35	45	0.26
	20	23	0.32	45	55	0.21
	23	25	0.13	55	60	0.63
	25	30	Tr.	60	65	0.73
	30	35	Tr.			
	35	40	Tr.			
	40	45	Tr.			
	45	50	0.32			
	50	55	1.47			
	55	60	0.13			
	60	65	0.26			
	65	67.5	0.77			
	67.5	70	Tr.			
No. 6	0	5	1.10			
	5	10	1.04	5	15	1.47
	10	15	0.21	15	25	0.84
	15	20	0.73	25	35	1.41
	20	25	1.04	35	45	2.52
	25	30	1.41	45	55	1.47
	30	35	1.26	55	65	0.68
	35	40	1.26	65	75	1.31
	40	45	0.73	75	85	0.79
	45	50	0.31	85	95	1.00
	50	55	0.21	95	100	1.36
	55	60	0.36	100	115	0.63
	60	65	0.58			
	65	70	0.31			
	70	75	0.68			
	75	80	0.34			
	80	85	0.63			
	85	90	1.47			
	90	95	1.10			
	95	100	0.47			
	100	105	0.21			
	105	110	0.18			
	110	115	0.63			
115	120	0.16				
120	125	0.58				
125	130	0.42				
130	135	0.21				
135	140	0.16				
140	145	0.31				
145	150	0.68				
150	155	0.89				
155	160	0.47				
160	165	0.52				
165	170	0.68				
170	175	0.21				

Water Lost After 115 Feet

INDIVIDUAL ASSAY RESULTS (Cont'd)

<u>Hole No.</u>	<u>CORE</u>			<u>SLUDGE</u>		
	<u>From</u>	<u>To</u>	<u>% Cu</u>	<u>From</u>	<u>To</u>	<u>% Cu</u>
No. 7	0	5	1.31	0	10	0.89
	5	10	0.26			

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