



41015NE0535 10 COPPELL

010

Diamond Drilling

Township of COPPELL

Report NO: 10

Work performed by: United States Smelting & Refining Company

Claim NO	Hole NO	Footage	Date	Note
	NS-1-1/2	157.5'	Nov/70	(1)
	NS-2	304.0'	Jan/71	(1)
	NS-3	234.0'	Jan/71	(1)
	NS-4	244.0'	Jan/71	(1)
		<u>939.5'</u>		

The Autopositive for the enclosed map is with  
D.D. Report No. 10 - Heenan Township.

Notes:

- (1) Claim numbers were not proffered with these Drill logs.

# DIAMOND DRILL RECORD

NAME OF PROPERTY USSR & Mining Co Ltd.  
 HOLE NO. NS 1 1/2 LENGTH 157.5'  
 LOCATION Grid 45C-53A  
 LATITUDE 0+66N DEPARTURE 44+00 W  
 ELEVATION \_\_\_\_\_ AZIMUTH 000° DIP -65°  
 STARTED Nov. 15/70 FINISHED Nov. 17/70

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-65°				
100	-65°				

HOLE NO. NS-1 1/2 SHEET NO. 1

REMARKS \_\_\_\_\_

LOGGED BY K. G. Honeyman

FOOTAGE		Interval CORE (feet)	DESCRIPTION	SAMPLE			ASSAYS		
FROM	TO			NO.	SULPH % SEC	FOOTAGE FROM TO TOTAL	1	2	OZ/TON
0	8.5		- - Casing						
8.5	72.0	63.5	63.5 100% Andesite, fg, massive 15.2-16.2 Siliceous with a little dessem py. 41.5 pillow rim 61-61.8 some carb breccia 65.6-66.2 epidote 30° to core with a little pyrite, some py. cubes at 68.1						
72.0	73.9	1.9	1.9 100% Andesite, altered, silicified 73.0, dessem pyrite, some 1/16" carb veinlets.						
73.9	77.1	3.2	3.2 100% Volcanic, alt, light grey & after 75' only slightly altered, some thread carbs.						
77.1	117.0	39.9	39.9 100% Andesite, hard, massive, 1/8" pyrite 35° at 110', 1/2" carb at 109' some pyrite at 80.2 & 81.5 108.2 1/16 Pyrite seam at 40° to core epidote at 109.5						

C.M.I. 6-1168

LANGRIDGE LIMITED.

# DIAMOND DRILL RECORD

NAME OF PROPERTY USSR & Mining Co. Ltd.  
 HOLE NO. NS-1-1/2 LENGTH \_\_\_\_\_  
 LOCATION Grid 45C-53A  
 LATITUDE 0+66N DEPARTURE 44+00W  
 ELEVATION \_\_\_\_\_ AZIMUTH 000° DIP -65°  
 STARTED Nov. 15/70 FINISHED Nov. 17/70

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-65°				
100'	-64.5				

HOLE NO. NS-1-1/2 SHEET NO. 2

REMARKS \_\_\_\_\_

LOGGED BY W. Honeyman

FOOTAGE				Interval core	DESCRIPTION	SAMPLE				ASSAYS	
FROM	TO	(feet)	(feet)			NO.	DEPTH (feet)	FROM	TO	TOTAL	oz/ton
77.1	117.0	39.9	39.9	100%	cont'd						
					115' @ 25° dips with pyr grains						
					116-117 leached						
					1/4" heavy sul at 117.0, mostly pyr.						
117.0	126.8	9.8	9.8	100%	Graphitic Schist, 25° bedding						
					121.4-122.0 nuggy, carb leached						
					Pyrite blebs at 121.6, 122.6, 124.3						
					& 125', a little pyrite in broken core						
					at 126.0, core angle 35°						
					Residual Pyrite at 126.5 less than 1%						
126.8	130.0	3.2	3.2	100%	Siderite, altered, brownish						
130.0	157.5	27.5	27.5	100%	Siderite, dark green, epidote at						
					141.6,						
					141.3-142.3 some very very fine py.						
					Assess.						
					154.3 Assess py in seam over 1"						
					End of hole						

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# DIAMOND DRILL RECORD

NAME OF PROPERTY North Swayze  
 HOLE NO. NS-2 LENGTH 304'  
 LOCATION Grid 3B  
 LATITUDE 4+00N DEPARTURE 20+00E  
 ELEVATION \_\_\_\_\_ AZIMUTH 000° DIP -53°  
 STARTED Jan. 18, 1971 FINISHED Jan. 22, 1971

FOOTAGE	True DIP	AZIMUTH true	FOOTAGE	DIP	AZIMUTH
0'	-53°				
150'	-51°	-57°			
300'	-47°	-55°			

HOLE NO. NS-2 SHEET NO. 1  
 REMARKS To test E.M.  
Conductor on line  
20+00E; 5+50N  
 LOGGED BY D. Paul

FOOTAGE				DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO	Length in feet	Core recovery %		NO.	% SULPH- IDES	FOOTAGE			%	%	OZ/TON	OZ/TON	
							FROM	TO	TOTAL					
0	90	-	-	Overburden 0'-48' Sand & gravel 48'-90' Sand, gravel & boulders up to 1 1/2' in diameter. 0-64' Ax Casing 0-90' Bx Casing										
90	92	2'	-	Reamed Ax casing 2' into bedrock. No core recovered. 0-92' Ax casing.										
92	99.5	7.5'	75%	Graphite Schist; Dark grey-black with white calcite and quartz. Strongly contorted. 1-1.5% pyrite occurring in massive blebs. 94.4'-95.5' Mainly calcite with streaks of graphite. 95.5'-95.8' Fault zone quartz.										

EM. 6-1168

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# DRILL RECORD

NAME OF PROPERTY North Swagge, USSR Mining Co.  
 HOLE NO. NS-2 LENGTH 304.  
 LOCATION Grid 3B  
 LATITUDE 4700N DEPARTURE 20+00E  
 ELEVATION \_\_\_\_\_ AZIMUTH 000° DIP -53°  
 STARTED Jan. 18/71 FINISHED Jan. 22/71

FOOTAGE	True DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
		Acid			
0	-53°				
150'	-51°	-59°			
300'	-47°	-55°			

HOLE NO. NS-2 SHEET NO. 2  
 REMARKS To test E.M. Conductor on line 20+00E; 5+50N  
 LOGGED BY D. Ross

FOOTAGE				Core recovery	DESCRIPTION	SAMPLE				ASSAYS			
FROM	TO	Length in Feet	%			NO.	% SULPH IDES	FROM	TO	TOTAL	%	%	OZ/TON
					95.8'-98' Core very blocky, graphite and quartz-carbonate fragments.								
					98'-99.5' Graphitic Argillite, well banded, fault slips along bedding planes. Massive pyrite blebs and patches C.R. 20/99'								
99.5'	148.5'	49'	100%		Interbanded Argillite, Quartzite and Greywacke. The dark grey-black argillite occurs in massive to finely laminated bands, over a core length of up to 6'. The greywacke bands are m-gr. and massive across widths of 1/2' or less. The quartzites are f-gr. and <del>show</del> exhibit some bedding, which is shown to be light and slightly darker								

EM, 6-1168

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# WIND DRILL RECORD

NAME OF PROPERTY North Swagge, USSR Mining Co.  
 HOLE NO. NS-2 LENGTH 304'  
 LOCATION Grid 3B  
 LATITUDE 4700 N DEPARTURE 20+00 E  
 ELEVATION \_\_\_\_\_ AZIMUTH 000° DIP -53°  
 STARTED Jan. 18/71 FINISHED Jan. 22/71

FOOTAGE	True DIP	AZIMUTH Acid	FOOTAGE	DIP	AZIMUTH
0	-53°				
150'	-51°	-59°			
300'	-47°	-55°			

HOLE NO. NS-2 SHEET NO. 3  
 REMARKS To test E.M.  
Conductor on line  
20+00 E; 5+50 N  
 LOGGED BY D. Ross

EM. 6-1168

LANGFORD LIMITED,

FOOTAGE		Core recovery		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO	Length In feet	%		NO.	% SULPH IDES	FOOTAGE			%	%	OZ/TON	OZ/TON
							FROM	TO	TOTAL				
148.5'	173.5'	25'	100%	Several minute carbonate filled fractures which may represent jointing cutting the core axis at 80° to 90°. C.A. 15°/10'; 15°/119'; 20°/124'; 15°/127'; 10°/131'; 15°/143'. "Cherty" - Arg. llite: Massive, dark grey-black, very f.-gr. Carbonate filled fractures up to 3/4" but on the average are 1/16" or less at 60° to 90° to core axis. 1% sulphides occurring as disseminated specks and in hair-like fractures. Sulphides are mainly pyrite and sphalerite and remote specks of chalcopyrite. Est. Zn. content tr. to 0.2%.	NS-24	1-1.5%	150'	155'	5'	0.02	0.38	Tr.	Tr.

# WIND DRILL RECORD

NAME OF PROPERTY North Swagge, USSR & Mining Co.  
 HOLE NO. NS-2 LENGTH 304'  
 LOCATION Grid 3B  
 LATITUDE 4+00 N DEPARTURE 20+00 E  
 ELEVATION \_\_\_\_\_ AZIMUTH 000° DIP -53  
 STARTED Jan, 18/71 FINISHED Jan, 22/71

FOOTAGE	TRUE DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-53°				
150	-51°	-59°			
300	-47°	-55°			

HOLE NO. NS-2 SHEET NO. 4  
 REMARKS To test E. M.  
Conductor on line  
20+00 E ; 5+50 N  
 LOGGED BY D. Ross

FOOTAGE		Core recovery		DESCRIPTION	SAMPLE			ASSAYS						
FROM	TO	Length in feet	%		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON		
							FROM	TO	TOTAL					
173.5'	253'	79.5'	100%	5.1ty" Quartzite; Dark grey in colour, very fine gr. weak colour banding. Occasional carbonated filled fracture 1/2" in width at an average of 80° to C.A. Pyrite and Sphalerite occur as disseminated specks and in hair-like fractures. Total sulphides up to 1%. 209' Cpy. dust with pyrite in minute fracture. 217.5-222 Core is very block, weak brecciation 30° to C.A. at 221' 181.2'-182.1 Sub-arkose, also at 197.2'-197.5' 197.8'-198' m-gr. light grey acid intrusive, sharp irregular contact, also at, 198.3'-198.7' C.A. 15' 183'; 15' 194'; 10' 215'; 15' 238'										
					NS-22	1%	205'	210'	5'	0.02	0.24	Nil	Tr.	

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# MOND DRILL RECORD

NAME OF PROPERTY North Swagge, USSR Mining Co.  
 HOLE NO. NS-2 LENGTH 304'  
 LOCATION Grid 3B  
 LATITUDE 4700 N DEPARTURE 20+00 E  
 ELEVATION \_\_\_\_\_ AZIMUTH 000° DIP -53  
 STARTED Jan. 18/71 FINISHED Jan. 22/71

FOOTAGE	True DIP	AZIMUTH Acid	FOOTAGE	DIP	AZIMUTH
0	-53°				
150'	-51°	-59°			
300'	-47°	-55°			

HOLE NO. NS-2 SHEET NO. 5  
 REMARKS To test E.M.  
Conductor on line  
20+00 E; 5+50 N  
 LOGGED BY [Signature]

FOOTAGE		Core recovery		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO	Length in feet	%		NO.	% SULPH IDES	FOOTAGE			%	%	OZ/TON	OZ/TON
							FROM	TO	TOTAL				
253	304	51	100%	2600-2650 g. quartzite: medium grey in colour, f. to c.-gr. Generally massive with occasional faint banding. Tiny fragments of dark grey-black chert or argillite scattered among the quartz and feldspar grains. Very weak sulphides 0.5%, mainly pyrite and sphalerite occurring as disseminated specks and in widely scattered hair-like structures. Very few quartz carbonated filled fractures at 80° to C.A. C.A. 15°/266'; 10°/285', 15°/303' 304 END OF HOLE.									

EM. 6-1168

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# DIAMOND DRILL RECORD

NAME OF PROPERTY North Swayze, USSR Mining Co.  
 HOLE NO. NS-3 LENGTH 234'  
 LOCATION Grid 13C  
 LATITUDE 0+70N DEPARTURE 64+00E  
 ELEVATION \_\_\_\_\_ AZIMUTH 360° DIP -52  
 STARTED Jan 9, 1971 FINISHED Jan 12, 1971

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-52				
150'	-49°				

HOLE NO. NS-3 SHEET NO. 1  
 REMARKS To test E.M.  
Conductor at 2+30N; 64+00E

LOGGED BY D. Raw

FOOTAGE		Core recovery		DESCRIPTION	SAMPLE				ASSAYS										
FROM	TO	length in ft.	%		NO.	% SULPHIDES	FOOTAGE		%	%	oz/ton	oz/ton							
							FROM	TO	TOTAL										
0	77'	77'	-	Overburden: Sand & Gravel 0-60' NQ casing 0-72' BQ casing															
77'	102'	25'	0%	Reamed AQ casing into fractured bedrock. No core recovered. 0-102' AQ casing															
102'	163.3	61.3	100%	Chlorite Hornblende Quartz Schist; Medium grey to green in colour, m-gr. The green chlorite and black hornblende needles, up to 1/4" in length, are oriented in a parallel position. Few widely scattered white feldspar and blue quartz "eyes". Disseminated pyrite as minute specks, cubes, flakes and streaks does not exceed 1%.															

EM. 6-1168

LANGRIDGE LIMITED,

# DIAMOND DRILL RECORD

NAME OF PROPERTY North Swayze, USSR Mining Co  
 HOLE NO. NS-3 LENGTH 234'  
 LOCATION Grid 13C  
 LATITUDE 070N DEPARTURE 64+00E  
 ELEVATION \_\_\_\_\_ AZIMUTH 360° DIP -52°  
 STARTED Jan. 9/71 FINISHED Jan. 12/71

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-52°				
150	-49°				

HOLE NO. NS-3 SHEET NO. 2  
 REMARKS To test E.M. Conductor at 2+30N; 64+00E

LOGGED BY P. Ross

FOOTAGE		Core recovery		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO	Length in feet	%		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON
						FROM	TO	TOTAL				
				Trace in specks of pyrrhotite, Few quartz and/or carbonate stringers 1/16" to 1/2" in width, generally cutting the schistosity at rt. L's. 102' - 130' Schistosity poorly developed 130' - 163.3' Schistosity well defined 55° to C.A.								
163.3	166.2	27.9'	100%	D. base; Dark grey to green, massive, m-gr, poorly developed ophitic texture. Disseminated pyrite specks < 1%. Weakly magnetic due to 1-2% grains of scattered magnetite. Few scattered quartz carbonate veinlets up to 1/2" in width. 163.3 - 166.8' Upper contact zone:								

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LANGRIDGE LIMITED,

# DIAMOND DRILL RECORD

NAME OF PROPERTY North Swagge, U.S.S.R. Mining Co.  
 HOLE NO. NS-3 LENGTH 234'  
 LOCATION Grid 13C  
 LATITUDE 0720N DEPARTURE 64+00E  
 ELEVATION \_\_\_\_\_ AZIMUTH 360° DIP -52°  
 STARTED Jan. 9/71 FINISHED Jan. 12/71

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-52°				
150	-49°				

HOLE NO. NS-3 SHEET NO. 3  
 REMARKS To test E.M.  
Conductor at 2+30N; 64+00E  
 LOGGED BY D. Ross

FOOTAGE		Core recovery		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO	Length in Feet	%		NO.	% SULPHIDES	FOOTAGE FROM	FOOTAGE TO	FOOTAGE TOTAL	%	%	OZ/TON	OZ/TON
191.2	194.8	3.6	100%	f-gr. slightly chilled contact, numerous carbonate veinlets parallel to the schistosity. 188.7-191.2' lower contact zone: same as Upper contact. Quartzite; Good bedding is shown by light to slightly darker beds. The beds are on the average 1/4 to 1/2 inch thick. 193.5-194.8 The core is slightly argillaceous. C.A. 60°/192'									
194.8	198.9	4.1	100%	Lamprphyre Dyke: Light grey-brown in colour, generally massive, f. to m-gr. highly carbonaceous with calcite stringers and specks									

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# DIAMOND DRILL RECORD

NAME OF PROPERTY North Swagze, USSR Mining Co.  
 HOLE NO. NS-3 LENGTH 234'  
 LOCATION Grid 13C  
 LATITUDE 070N DEPARTURE 64+00E  
 ELEVATION \_\_\_\_\_ AZIMUTH 360° DIP -52°  
 STARTED Jan. 9/71 FINISHED Jan. 12/71

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-52°				
150'	-49°				

HOLE NO. NS-3 SHEET NO. 4  
 REMARKS To test E.M. Conductor at 2+30N; 64+00E  
 LOGGED BY D. Ross

FOOTAGE		Core recovery		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO	Length in Feet	%		NO.	SULPHIDES	FOOTAGE				OZ/TON	OZ/TON	
							FROM	TO	TOTAL				
198.9	204.4	5.5'	100%	throughout core length. Biotite occurs in scattered clusters. Tr. in pyrite specks.									
204.4	205.5	1.1'	100%	Interbedded Argillite and Siltstone. Well laminated, the Arg is dark grey-black in colour and Ss. is light grey. Weak trace in graphite occurring with the Argillite. C.A. 45°/201'									
205.5	211.3	5.8'	100%	Tuff! Light greyish green in colour, massive and f.-gr. Interbedded Argillite, Siltstone and Quartzite. Very f.-gr. and well laminated. Possible faint trace in graphite occurring with the Argillite C.A. 45°/209.									

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# DIAMOND DRILL RECORD

NAME OF PROPERTY North Swazze, USSR & Mining Co.  
 HOLE NO. NS-3 LENGTH 234'  
 LOCATION Grid 13C  
 LATITUDE 070N DEPARTURE 64+00E  
 ELEVATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP -52°  
 STARTED Jan. 9/71 FINISHED Jan. 12/71

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-52°				
150'	-49°				

HOLE NO. NS-3 SHEET NO. 5  
 REMARKS To test E.M.  
Conductor at 2+30N; 64+00E

LOGGED BY Dhan

FOOTAGE		Core recovery		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO	Length in feet	%		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON	
							FROM	TO	TOTAL				
211.3'	221.2'	9.9'	100%	Tuff: Generally massive with weak banding near contacts. Greyish-green, m.-gr. Numerous quartz-carbonate veinlets, mainly parallel to sedimentary banding. Virtually barren of sulphides.									
221.2'	234'	12.8'	100%	Graphitic Zone; Interlayered graphitic Argillite and light grey siltstone. 2-3% sulphides mainly pyrite occurring as minute streaks, specks and veinlets parallel to bedding. Minor pyrrhotite specks. C.A. 50°/222'; 45°/225'; 50°/228' 50°/234'.  END OF HOLE.									

EM. 6-1169

LANGRIDGE LIMITED,

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# DIAMOND DRILL RECORD

NAME OF PROPERTY North Swayze  
 HOLE NO. NS-4 LENGTH 244'  
 LOCATION Grid 5A  
 LATITUDE 3+80S DEPARTURE 0+00  
 ELEVATION \_\_\_\_\_ AZIMUTH 033° DIP -54  
 STARTED Jan. 24, 1971 FINISHED Jan. 26, 1971

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-54				

HOLE NO. NS-4 SHEET NO. 1  
 REMARKS To test E.M.  
Conductor at 2+20S  
on Line 0+00.  
 LOGGED BY phass

FOOTAGE		Core recovery		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO	Length in feet	%		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON	
							FROM	TO	TOTAL				
0	89'	-	-	Overburden 0-1.2' ice 1.2'-4.5' water 4.5-89 Mainly sand, some gravel and boulders.									
89'	94'	5	-	0-78' Nx casing Reamed Bx casing to 94'; 5 feet into bedrock, no core recovered.									
94'	178	84	100%	0-94 Bx casing Agglomerate - Tuff: The agglomerate or breccia contain acid fragments, mainly rhyolite up to 1" in diameter but on the average the angular to sub-angular fragments are of pea size or less in a pale green tuff matrix.									

EM. 6-1169

LANGRIDGE LIMITED,

# AMOND DRILL RECORD

NAME OF PROPERTY North Swagge, USSR Mining Co.  
 HOLE NO. NS-4 LENGTH 244'  
 LOCATION Grid SA  
 LATITUDE 3180S DEPARTURE 0100  
 ELEVATION \_\_\_\_\_ AZIMUTH 035° DIP -54°  
 STARTED Jan. 24/71 FINISHED Jan. 26/71

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-59°				

HOLE NO. NS-4 SHEET NO. 2  
 REMARKS To test EM conductor at 2+20S; 0100  
 LOGGED BY D. Ross

FOOTAGE		Core recovery		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO	Length in feet	%		NO.	% SULPHIDES	FROM	TO	TOTAL	%	%	OZ/TON	OZ/TON
				<p>The agglomerate, <sup>beds</sup> grades down hole into a very fine agglomerate into a massive tuff to a banded tuff. The massive tuff is a pale greyish green and the banded tuff is composed of pale green bands to a medium grey. The fragments in the agglomerates are orientated in the direction of the bedding or schistosity. A complete section from aggl. to banded tuff occurs across a core length of one to 20', but on the average is less than 5 feet. The sorting in the aggl. and graded bedding</p>									

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# DIAMOND DRILL RECORD

NAME OF PROPERTY North Swayze, USSR Mining Co.  
 HOLE NO. NS-4 LENGTH 244'  
 LOCATION Grid 5A  
 LATITUDE 37805 DEPARTURE 0700  
 ELEVATION \_\_\_\_\_ AZIMUTH 035° DIP -54°  
 STARTED Jan. 24/71 FINISHED Jan. 26/71

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0'	-54				

HOLE NO. NS-4 SHEET NO. 3  
 REMARKS To test E.M.  
Conductor at 27205; 0700  
 LOGGED BY D. Ross

FOOTAGE		Core recovery		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO	Length in feet	%		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON	
						FROM	TO	TOTAL					
				would indicate that the drill hole was going up the stratigraphic, and the beds are slightly overturned. Pyrrhotite occurs as disseminated specks, Pyrite is virtually absent. Sulphides are less than 0.5%. 111" 1/4" band of mass pyrrhotite. 122.3' Fault slip C.A. 45°/109', 50°/117', 40°/155'									
178	213.5	35.5	100%	Volcanic Tuff: Massive to banded. Similar to above with the largest fragment being the size of a grain of rice. The massive tuff is a medium greyish green and the banded tuff the darker bands are									

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LANGRIDGE LIMITED,



# AMOND DRILL RECORD

NAME OF PROPERTY North Swagge, USSR & Mining Co.  
 HOLE NO. NS-4 LENGTH 244'  
 LOCATION Grid SA  
 LATITUDE 37803 DEPARTURE 0+00  
 ELEVATION \_\_\_\_\_ AZIMUTH 035° DIP -54  
 STARTED Jan. 24/71 FINISHED Jan. 26/71

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0'	-54°				

HOLE NO. NS-4 SHEET NO. 4  
 REMARKS To test F.M. Conductor at 2+203; 0+00  
 LOGGED BY J. Ross

FOOTAGE		Core recovery		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO	Length in feet	%		NO.	% SULPHIDES	FOOTAGE FROM	TO	TOTAL	%	%	OZ/TON	OZ/TON
213.5	226.7 <del>234.7</del>	13.2' <del>21.2'</del>	100%	becoming more argillaceous down drill hole, pyrite blebs < 0.5% are now occurring with the darker bands. C.A. 50°/192', 45°/200', 45°/212. Tuff; same as above with the argillaceous bands up to 4" in width becoming graphitic 1% pyrite occurring in the graphitic bands as massive veinlets parallel to the bedding. C.A. 50°/219', 45°/226'									
226.7'	234.7	8.0'	100%	Agglomerate: Grey in colour, Graphitic argillite streaks and fragments with the odd rhyolite fragment in a c.-gr. tuff matrix. Fragment orientated and squeezed									

EM. 6-1168

LANGRIDGE LIMITED,

# DIAMOND DRILL RECORD

NAME OF PROPERTY North Swazye, USSR Mining Co.  
 HOLE NO. NS-4 LENGTH 244'  
 LOCATION ~~3+805~~ Grid 5A  
 LATITUDE 3+803 DEPARTURE 0+00  
 ELEVATION \_\_\_\_\_ AZIMUTH 035° DIP -54°  
 STARTED Jan. 24/71 FINISHED Jan. 26/71

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-54°				

HOLE NO. NS-4 SHEET NO. 5  
 REMARKS To test E.M.  
Conductor at 2+203; 0+00  
 LOGGED BY B. Lane

FOOTAGE		Core recovery		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO	Length in feet	%		NO.	% S&P IDES	FOOTAGE		%	%	OZ/TON	OZ/TON	
						FROM	TO	TOTAL					
234.7	244	9.3'	100%	in direction of deposition, 3-5% Pyrite occurs in massive bands and as disseminated specks. C.A. 45°/229 ; 45°/234. Graphitic Zone; 234.7-240.2 Dense, dark greyish black graphitic argillite. Very faint banding. 240.2'-243.1 Tuff with numerous graphitic argillite bands 243.1-244 Same as 234.7-240.2 234.7'-244 3% fine-grained pyrite occurring in massive blebs and veinlets, also as disseminated specks.  244 END OF HOLE.									

EM. 6-1168

LANCASHIRE LIMITED,



41015NE0535 10 COPPELL

900

AREA CODE --  
TELEPHONE --



ONTARIO

WHITNEY BLOCK,  
QUEEN'S PARK,  
TORONTO 1B2, ONT

DEPARTMENT OF MINES AND NORTHERN AFFAIRS  
GEOLOGICAL BRANCH

May 7th, 1971.

Dr. K.D. Card,  
Ontario Dept. of Mines and Northern Affairs,  
1349 LaSalle Blvd.,  
Sudbury, Ontario.

Dear Ken:

Please find enclosed a map and diamond drill logs of holes drilled by United States Smelting Refining and Mining Company on work performed in the Swayze area. This work has not been submitted for assessment credit. Mr. Walthall has requested that if a Department of Mines geologist relogs the core that a copy be sent to him which appears to be a reasonable request since the information was supplied as a courtesy to the Department.

Sincerely,

*R. Sage*  
R. Sage,  
Geologist.

RS:lf



Ontario

Ministry of  
Natural  
Resources

Room 2303, Whitney Block.

November 1, 1974.

ONTARIO DIVISION OF MINES  
GEOLOGICAL BRANCH

Our file number

Your file number

Mr. George Stevens,  
Assessment Work Research Library,  
Room 1606, Whitney Block.

Dear George:

Please find enclosed diamond drill logs and location maps for work done in the Swayze area by the United States Smelting and Refining Company. I'm enclosing the autopositive of the diamond drill hole location map so that you can run off more copies if desired.

This work was supplied to me by the company while compiling mineral occurrence data for Operation Chapleau and has not been submitted for assessment credit.

It should be placed in your files.

Sincerely yours,

R. P. Sage,  
Geologist.

RPS/rl

Enclosure

*Newton Twp.  
Coppell Twp.  
Heenan Twp.*



UNITED STATES SMELTING REFINING AND MINING COMPANY

470 GRANVILLE STREET  
VANCOUVER 2, BRITISH COLUMBIA

May 4, 1971

VIA AIRMAIL

Mr. R. Sage, Geologist  
Department of Mines and Northern Affairs  
Geological Branch  
Whitney Block, Queen's Park  
TORONTO 182, Ontario

Re: Swayze Project, Ontario

Dear Sir:

In response to your letter of April 27, 1971, enclosed are:

1. 1" = 1/2 mi. map on which I have shown in red color the ten (twelve counting two re-drills) diamond drill holes which we drilled last summer and winter. I have also indicated on the map in red color the two locations on which the diamond drill cores are located and the main roads in brown color.
2. Photocopies of diamond drill logs for holes No's:

North Swayze

NS-1 and NS-1 1/2 (Newton Township)  
NS-2, NS-3 and NS-4 (Coppell Township)

South Swayze

S-1, S-2, S-3, S-4, S-5, S-5-A and S-6 (Heenan Township)

You will note from the logs that hole NS-1 1/2 was drilled from the same location as hole NS-1, but at a steeper dip. You will also note that hole S-5-A, a re-drill of S-5, was collared 12 feet SE of S-5 and was drilled at a somewhat flatter dip.

Holes NS-1, NS-1 1/2, S-1, S-2, S-3, S-4, S-5, S-5-A and S-6 were logged by Ken Honeyman and holes NS-2, NS-3 and NS-4 were logged by Dave Ross. Honeyman did not call all of the rock names the same as Ross called them, and vice versa. It is for this reason that I have hesitated to send you the logs and that I hoped that you would find time to re-log the cores. If you or one of your men do re-log the cores, I would appreciate having a copy of the work.

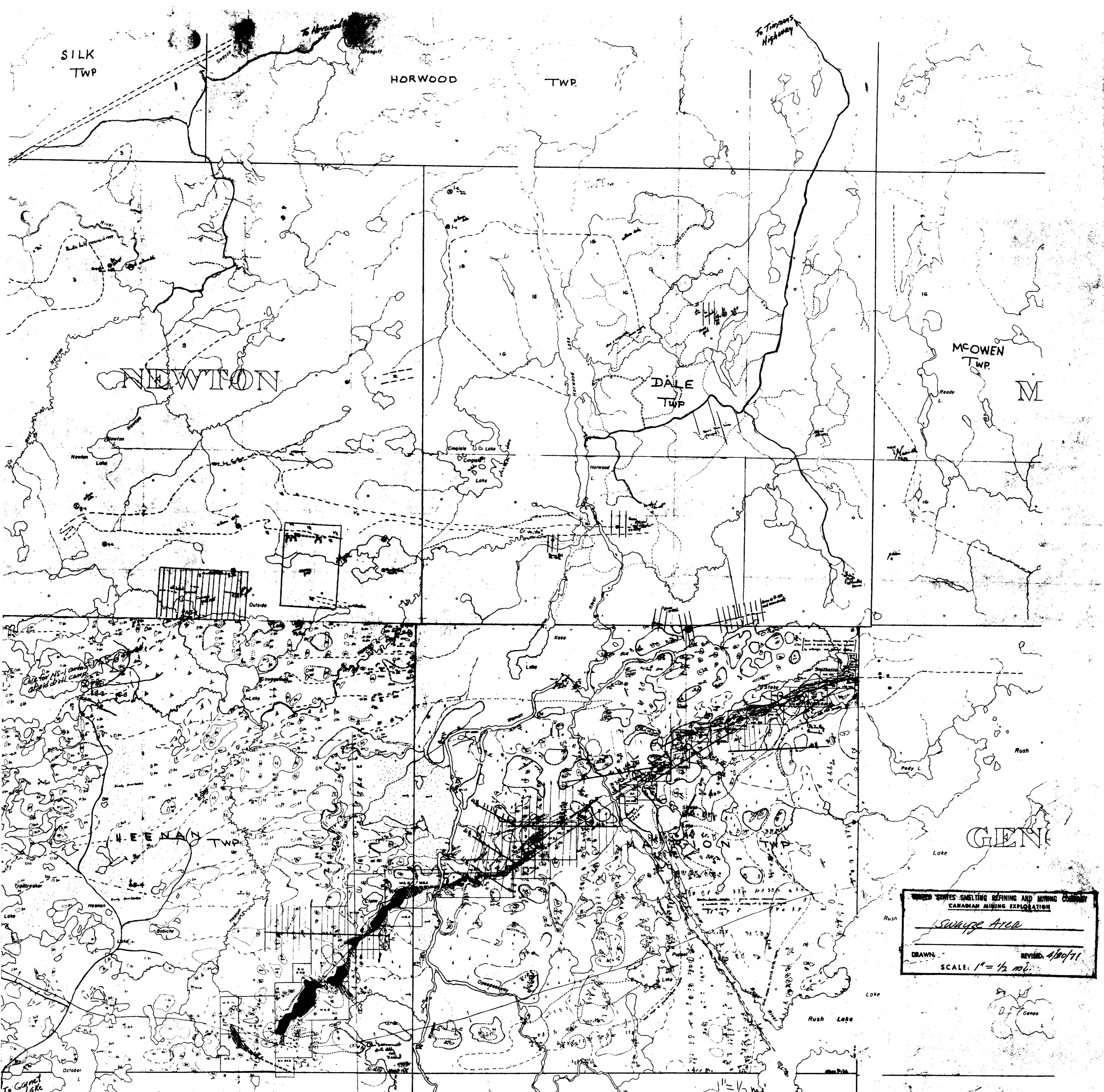
All of the holes were drilled on airborne Input EM anomalies which Geo-search Consultants (Moreau) located and detailed on the ground by either EM or Turam. The drilling found all of the conductors to be due to graphite. Aside from pyrite and pyrrhotite, as shown on the logs, the only other sulphides we found were minor sphalerite and remote specks of calchopyrite in NS-2. You will note from the NS-2 log that the best 5 foot interval at 150'-155' only assayed 0.02% Cu and 0.38% Zn and the next best 5 foot interval at 205'-210' only assayed 0.02% Cu and 0.24% Zn, although minor sphalerite was scattered throughout the interval 148.5'-TD at 304'.

I would appreciate having a couple of copies of your preliminary maps which you state in your letter will be ready for release "in two or three weeks".

Yours very truly,

*W.F. Walthall*  
W.F. Walthall, Manager

WFW:bm



UNITED STATES SMELTING REFINING AND MINING COMPANY  
CARAMAN MINING EXPLORATION  
SAMPLE AREA  
DRAWN: \_\_\_\_\_ REVISOR: 4/20/71  
SCALE: 1" = 1/2 mi.

1" = 1/2 mi.

