

# GEOTECHNICAL REPORT

PROPOSED DAWSON CITY AIRPORT AND ACCESS ROAD

DAWSON CITY, YUKON

FOR

YUKON COMMUNITY AND TRANSPORTATION SERVICES

PA 2441

FEBRUARY 1988



OUR FILE: PA 2441.01.01

February 17, 1988

Yukon Community and Transportation Services Box 2703 Whitehorse, Yukon Y1A 2C6

Mr. R. Walsh, P.Eng.

Geotechnical Investigation Proposed Dawson City Airport and Access Road Dawson City, Yukon

Dear Sir:

Following is our report which describes bedrock and soil conditions and gives our recommendations for construction of the above captioned facility.

Should you have any questions, please contact us.

Yours very truly, KLOHN LEONOFF LTD.

R.J. LORIMER, P. Eng. Project Manager

KRG/RJL/sh Enclosure GEOTECHNICAL REPORT

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### 1.0 INTRODUCTION

The Yukon Community and Transportation Services Department is planning to construct an access road to the proposed new Dawson City Airport. The new airport is located in the Klondike Hills about 18 km southwest of Dawson City. The new access road will start at the Callison subdivision and will be approximately 13 km in length.

Contour plans (2 m interval) showing the roadway alignment were provided along the route at a scale of 1:2000. The drawings showed the center lane chainage every 100 m. Most of the proposed centerline was located along or adjacent to an existing trail. Towards the north end, the alignment diverted away from the existing trail for a distance of approximately 1.3 km. In this section, an alternative alignment along the existing trail was also investigated at the request of the Department.

The purpose of this investigation was to conduct a field soils investigation, basic laboratory testing and engineering analyses to assess the feasibility of the proposed airport site and access road.

Authorization for this investigation and report was given in response to our proposal dated November 2, 1987.

## 2.0 FIELD INVESTIGATION

A track mounted CME 750 auger drill was mobilized to the site for the drilling investigation. Test hole locations were laid out in the field by a senior engineer. Because of heavy snow conditions and the fact that the alignment diverted away from the existing trail by up to 300 m, a bulldozer was retained on a part-time basis to provide access.

A series of 89 test holes were drilled along the alignment of the airstrip and access road. The spacing between the holes varied generally between 50 and 200 metres. Test hole locations were tied to the nearest centreline stations that could be found and identified along the alignment. In the alternative alignment along the existing trail, a compass and tape traverse was completed to locate the test holes. The field investigation covered a period of 7 days which included mobilization and demobilization from Whitehorse, layout of the test holes, and drilling.

Test holes were numbered from TH1 to TH89 inclusive, starting in the airport area proceeding northwesterly towards the Callison subdivision. TH1 to TH68 and TH75 to TH89 were located along the proposed alignment. TH69 to TH74 were located on the alternative alignment along the existing trail. The locations of all of the test holes drilled for this investigation are shown on Drawing D-2441-1. The locations of test holes drilled by EBA Engineering Consultants Ltd. in March 1987 (TH6-1 to TH6-8 inclusive) are also shown on the drawing. TH1 to TH89 inclusive are attached in Appendix I. Copies of the EBA test holes are attached in Appendix II.

All test holes were drilled with the auger drill to refusal in the underlying bedrock. The depth to refusal in the test holes varied between 0.5 and 6.5 m below ground surface. The thickness of peat was recorded in all test holes. Samples were taken at 1 m intervals in each test hole.

### 3.0 LABORATORY TESTING

All samples were taken to our laboratory for confirmation of classification and additional testing. The testing included calculation of mositure contents and Atterberg Limits on the fine grained silt and clay soils. Sieve analysis were done on samples of the gravel that were encountered in three of the test holes. The additional testing was restricted to the fine grained silt or clay or the gravel samples which were encountered in test holes (TH72 to TH74 and TH79 to TH84 inclusive) over a short section of the proposed and

the alternative alignment. A Standard Proctor test was done on a typical sample of the weathered bedrock. The results of the additional testing are attached in Appendix III.

## 4.0 SUBSOIL CONDITIONS

At the proposed airport location and along most of the access road alignment bedrock is exposed at the ground surface or under a very thin organic cover.

The underlying bedrock is predominatly a quartz and mica schist with iron or chloride alterates or altered schist or quartzite. The quartz and mica schist is generally light brown to brown. The altered schist and quartzite is dark brown to black. The bedrock is weathered to variable depths below the surface and the degree of weathering decreased with depth. Based on the refusal depths encountered during the drilling, the depth of weathering is estimated to be between 0.5 and 7.0 m below the existing ground surface.

Overburden soils (silt over gravel) were encountered in one area of the proposed road and the alternative alignment. See TH79 to TH84 and TH72 to TH74 inclusive. The area where these soils were encountered is also delineated on the attached drawing. The overburden soil is predominately nonplastic silt with some fine sand and occasional pebbles. This stratum is between 1 and 6 metres in thickness. In some of the test holes, permafrost was encountered. The permafrost could not be classified in accordance with the NRC classification system because of the drilling method employed. The disturbed samples contained ice crystals and in some test holes the estimated volume of ice was in the 50% range. In other unfrozen test holes, the moisture content of the soil was generally in the 10 to 15% range and gradually increased with depth.

Gravel was encountered in three of the test holes TH73, TH80 and TH83 under the silt at depths between 1.0 and 3.0 m below the ground surface. In TH73, water was encountered at the 4.0 m depth. In TH80

and TH83 the gravel was frozen and ice crystals were observed in the voids. The gravel is well graded and appears to be dense. In TH85 and TH86 gravel up to 0.5 m thick overlies the quartz and mica schist bedrock.

#### 5.0 CONCLUSIONS AND RECOMMENDATIONS

The gently rolling terrain along the well defined ridge suggests that the airstrip and access road can probably be constructed according to a balanced cut and fill design. The construction of this facility is feasible from the geotechnical point of view.

The major material type to be encountered is the local quartz and mica schist bedrock. This material is weathered near the ground surface and generally breaks down into a silty gravel like texture. This weathered bedrock makes excellent fill and can be compacted to a high density.

The depth of the weathering will be variable along the route. In some areas, auger refusal was encountered as shallow as at 0.5 m below ground surface. In other areas, refusal was encountered as deep as 6 m below ground. The weathered bedrock can generally be removed after ripping with conventional earth moving equipment. Depending on the final design grade, it is possible that the grade line will be located in unweathered rock in certain areas. In these areas, where excavations are into the unweathered rock, blasting will probably be required.

The unfrozen local silt soil can be used as general fill. However, the material is very frost susceptible and is subject to loss in strength when saturated. It should not be placed in low fills or remain in-place at shallow depths under the finished road surface. As stated previously, some of the silt is permanently frozen and high ice contents were encountered in some of the test holes. It is our recommendation that grades be designed to avoid excavations in this silt soil.

The gravel materials are up to 5 m thick in one of the test holes (TH73). The lateral extent and volumes of gravel that exist in this deposit are not known. The grain size completed for the TH73 sample shows it is well graded. If sufficient volumes are present, the gravel could be developed to provide crushed road gravel. Additional investigations are recommended to delineate the extent and quality of the material.

Should you have any questions about this report, please contact us.

Yours very truly,

KLOHN LEONOFF LTD.

KENNETH R. GILLESPIE, P.

KRG/sh

APPENDIX I
Klohn Leonoff Test Hole Logs TH1 to TH89 inclusive

SAMPLE OATA			TEST HOLE LOG									
NEIGHT MANUER 0.3.5 kg   MO   NO   NO   NO   NO   NO   NO   NO	SAMPLE DATA		ELEV COLLAR	Τ	UNG	ONFI	NED	COMP	RESS	GN	kPa	
1.0   B   1	WEIGHT HAMMER 63.5 Kg	] 4	ELEV GROUND	100 200 300 400								
1.0   B   1	0.70 111	SYMB	co-ond LOCATION As per attached location									
1.0   B   1	ELEV T.D. 15m NO.				x —			- 0 -			X	
- weathered - quartz and mica schist - iron and chlorite alterates - light brown to brown - hard drilling 2.0 - 2.5 m  2.5 m  REFUSAL AT 2.5 m  4.0  6.0			0.05 m PEAT, thin organics, roots					Ť			T	
2.0 B  2	1.0 B 1		- weathered	L								
2.0 B 2 - hard drilling 2.0 - 2.5 m  2.5 m  REFUSAL AT 2.5 m  6.0			- iron and chlorite alterates									
3.0 4.0 5.0 6.0	2.0 B 2		- hard drilling 2.0 - 2.5 m	_								
4.0 5.0 6.0			2.5 m									
5.0 6.0	3.0		REFUSAL AT 2.5 m		L							
5.0 6.0												
6.0	4.0									-	+	
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7.0								$\ \cdot\ $	+		+	
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JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH = 01
DATE NOV.	25-29/87 PLATE

Section   Marker   83,3 to   1			SAMPL	E DATA			ELEV COLLAR				Υ	7	C	OMP	RES	SION	kF	a
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DESCRIPTION OF MATERIAL   10   20   70   80   70   7						SYMB	co-ord LOCATION As per attached location											
Description of the second of t	Ë	ELEV	0.8	, 15m	NO.		DESCRIPTION OF MATERIAL		) 	<u>-</u>		0	-	0 -				. ¥
BEDROCK  - weathered  - quartz and mica schist  - iron and chlorite alterates  - light brown to brown  3.0  4.0 B  3  4.5 m  REFUSAL AT 4.5 m							0.05 m PEAT, thin organics, roots											
BEDROCK  - weathered  - quartz and mica schist  - iron and chlorite alterates  - light brown to brown  3.0  4.0 B  3  4.5 m  REFUSAL AT 4.5 m		1.0	B <sup>-</sup>		1													
- weathered - quartz and mica schist - iron and chlorite alterates - light brown to brown  3.0  4.0 B  3  4.5 m  5.0  REFUSAL AT 4.5 m									-						-			
B 2 - quartz and mica schist - iron and chlorite alterates - light brown to brown  4.0 B 3 - 4.5 m  S.0 REFUSAL AT 4.5 m		2																
3.0 4.0 B 3 4.5 m  REFUSAL AT 4.5 m	-	2.0	R		2		<ul> <li>quartz and mica schist</li> </ul>	}										
4.0 B 3 4.5 m			D		۷		- light brown to brown											
4.5 m  REFUSAL AT 4.5 m	F	3.0											_					
5.0  REFUSAL AT 4.5 m																		
S.O	1	1.0	В		3													
S.O																	1	
6.0 REFUSAL AT 4.5 m	١	5.0						$\dashv$										1
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LOCATION	DAWSON CITY, Y.T.	_
HOLE No.	TH - 02	
DATE NOV.	25-29/87 PLATE	

	<del></del>			<del></del>	TEST HOLE LOG									
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					0.04 m PEAT, thin organics, roots									
1.0 2.0			1 2		BEDROCK - weathered - quartz and mica schist - iron and chlorite alterates - light brown to brown									
					2.5 m									
3.0					REFUSAL AT 2.5 m							-	+	+
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PROJECT	AIRPORT AND ACCESS ROAD
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HOLE No.	TH - 03
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DEPTH ELEV		I BLOW	.76 r	-	CO-ORD	713 per accached focación		PLAS LIM	TIC		co	NTE	R NT	1	HOUD
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-					0.05 m	PEAT, thin organics, roots									
						BEDROCK									
1.0	В		1			- weathered									
						- quartzite - gravel like, 3-5 cm									
				1		- angular									
2.0															
	ь														+
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3.0					3.0 m									:	
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JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 04
DATE NOV.	25-29/87 PLATE

<u> </u>	SAMPL	E DATA		1	ELEV COLLAR	]_	_			<u> </u>			N kPa
WEIG	HT HAM	MER 6	3.5 Kg	٥	ELEV GROUND	• ,	1 ( IELD	00 VAN	21	00 <u>ala</u>	30 8 vai	() (E #1	400 unconf
	T DRO		76 m	SYMBOL	co-ond Location As per attached location	,	LAST LIMI	IC T		WA	TER		LIQUIP
ELEV	0.0 1.D.	. 15m	NO.		DESCRIPTION OF MATERIAL	,	0		<u>-</u> -	- (	) 0	70	90°
1.0			1 2		BEDROCK - weathered - quartzite - gravel like, 3-5 cm - angular								
			-			<del> </del>	-				+	$\dashv$	++
•					REFUSAL AT 2.0 m								
3.0					Notes: Blocky surface 10 - 20 cm	-	-			-	$\dashv$	+	++
4.0													
5.0 6.0													
7.0													



JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 05
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SAMPLE DATA	-	ELEV COLLAR	<u> </u> -	_	ONFI	HED	COA	APRES	7	
WEIGHT HAMMER 63.5 K	1 2	ELEV GROUND	STIELD VANE ALAB VANE MUNCONF.							
HEIGHT DROP 0.76 r		co-ond LOCATION As per attached location		LAS	TIC		CONT	ENT	· t	JOUID MIT
ELEV I D . 15m NO.	<del> </del>	DESCRIPTION OF MATERIAL		10	3	0	_ <u>s</u>		70	90
		0.05 m PEAT, thin organics, roots								
	1	BEDROCK						'		
1.0 B 1		- weathered						1_		$\perp$
		<ul><li>quartz and mica schist</li><li>iron and chlorite alterates</li></ul>								
	1	- light brown to brown								
2.0										
B 2								1		$\top$
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		REFUSAL AT 3.0 m								
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LOCATION DAWSON CITY, Y.T.

HOLE No. TH - 06

DATE NOV. 25-29/87 PLATE

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		SAMP	E DATA	\	T	ELEV COLLAR		UNC	ONFI	NED	CC	MPRE	SSION	kPa
-	WEIGH	IT HA	MMER	63.5 K	ا ا	ELEV GROUND		1 FIELD	00	2	00	30	0 4	400 NCONF.
		T. DR	•	.76 n	SYMBOL	co-ond Location As per attached location						TER TENT		LIQUIP
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۱		·				0.05 m PEAT, thin organics, roots								
	1.0 2.0			1 2		BEDROCK  - weathered  - quartz and mica schist  - iron and chlorite alterates  - light brown to brown  2.0 m								
t		<u> </u>		-			-	$\vdash$				+	+	$\vdash \vdash$
	3.0					REFUSAL AT 2.0 m								
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		E DATA	·	1	ELEV COLLAR	UNCONFINED COMPRESSION									
		MER (		, g	ELEV GROUND	100 200 300 400  FIELD VANE ALAB VANE BUNCONF									
HEIGHT			.76 m	SYMBOL	co-ond Location As per attached location	PLASTIC LIMIT			WATER				LIQUID		
EPTH LEV	0. D 1. D.	BLOW.	NO.	-	DESCRIPTION OF MATERIAL		X -		30		о – · ю	70	) 90		
1.0	B B		2		BEDROCK - weathered - quartz and mica schist - iron and chlorite alterates - light brown to brown										
3.0			3		2.5 m  REFUSAL AT 2.5 m										
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	SAMPL	E DATA			ELEV COLLAR	unconfined compression kPa								
<u> </u>			63.5 Kg		ELEV GROUND	100 200 300 400 FIELD VANE BLAS VANE BUNCON							400	
	T DRO		.76 m	SYMBOL	co-ord Location As per attached location		LAS				TER		LIQUE	
ELEV.	0. D 1. D.	BLOW 15m	NO.	-	DESCRIPTION OF MATERIAL	1.	х — ·	,	 0	- (	) <b>–</b> .	70	x	
					0.05 m PEAT, thin organics, roots									
					BEDROCK									
1.0	В		1		1.0 m — weathered — quartz and mica schist									
					- iron and chlorite alterates	Г					一		$\dagger \dagger$	
					- light brown to brown									
2.0						1								
					REFUSAL AT 1.0 m	-					$\dashv$	+	++	
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						TEST HOLE LOG							
	SAMPL	E DATA			ELEV COLL	AR	T_			IED (	OMPR	ESSIO	n kPa
<b>—</b>		MER (	3.5 Kg	i i	ELEV GROU	·	1.	FIELC	00 VANI	200 201	3 AB VA	00 E	400 UNCONF.
	T DRO	Ÿ	.76 m	SYMBOL	co-ond Location As per attached location				ric T		ATER		LIQUID
DEPTH	0.0 1.0	BLOW 15m	NO.	<u> </u>		DESCRIPTION OF MATERIAL		K — -	30		0 -	70	x
					0.04 m	PEAT, thin organics, roots							
1.0	В		1			BEDROCK - weathered - quartz and mica schist - iron and chlorite alterates			·				
2.0	В		2		2.0 m	- light brown to brown							
2.0						REFUSAL AT 2.0 m							
3.0 4.0		. '											
5.0													
6.0													
7.0													



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					TEST HOLE LOG						- +		
	SAMPL	E DATA		Ī	ELEV COLLAR	T	UNC	ONFIN	ED (	OMPR	ESSIC	on k	– Pa
WEIGH	IT HAR	MER (	3.5 Kg	] ខ្ល	ELEV GROUND		1 FIELI	OO VANE	200	31 AB VA	00	400	)·
	T DRC	•	76 m	SYMBOL	co-ond LOCATION As per attached location		LAS		WATER				
DEPTH ELEV	0.0	.15m	NO.		DESCRIPTION OF MATERIAL	1 :	x —	30		0 - 50	 70		- X 10 %
. :					0.05 m PEAT, thin organics, roots								
1.0	В		1		BEDROCK - weathered - quartz and mica schist	-	_		$\perp$	-	1	+	-
2.0	В		2		<ul><li>iron and chlorite alterates</li><li>light brown to brown</li></ul>								
2.0				-	2.0 m	-	<del> </del>	$\sqcup$		$\sqcup$		4	<u> </u>
					REFUSAL AT 2.0 m						2		
3.0						_					-		-
4.0											+	<del> </del>	-
5.0													
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LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 11
DATE NOV.	25-29/87 PLATE

	SAMPL	E DATA			ELEV COLLAR					OMPRI		n k	Рa	
WEIGH	IT HAN	MER (	53.5 Kg	ğ	ELEV GROUND		LEV GROUND		200 300 E ALAB VANE			400 HUNCON		
	T DRO	•	.76 m	SYMBOL	co-ond LOCATION As per attached location		LAS			ATER		LIO		
DEPTH ELEV	<u>1.0</u> .	. 15m	NO.		DESCRIPTION OF MATERIAL	)	0	30	·	0 60	70		- X	
				<u></u>	0.05 m PEAT, thin organics, roots			П		$\prod$			Γ	
1.0	В		1		BEDROCK - weathered - quartz and mica schist - iron and chlorite alterates								-	
2.0	В		2		<ul><li>light brown to brown</li><li>hard drilling 1.5 - 2.0 m</li></ul>									
3.0					REFUSAL AT 2.0 m									
4.0														
5.0														
5.0														
7.0														
											•			



JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 12
DATE NOV.	25-29/87 PLATE

	SAMPL				ELEV COLLAR	J_					~	-	SION		_	
	HT HAM			<b>₽</b>	ELEV GROUND	•	FIELD	00	. 2 •E	<u>φι</u>	48 V	OO'	#U	00 NCO	IF.	
DEPTH ELEV	0.D 1.D	•	76 m	SYM	co-ond Location As per attached location		LAS	TK T		WATER				LIQUE		
ELEV	1.6.	. 15m	NO.		DESCRIPTION OF MATERIAL		X — ·		φ_	<del>, '</del>	0 - 0	,	70		• X	
		1.			0.05 m PEAT, thin organics, roots							l			! !	
1.0	В		1		BEDROCK - weathered - quartz and mica schist - iron and chlorite alterates										<del>-</del>	
2.0					<ul><li>light brown to brown</li><li>alteration decreases with increasing depth</li></ul>											
3.0	В		2													
4.0	В		3		3.5 m											
5.0					REFUSAL AT 3.5 m											
6.0																
7.0																



JOB No. PA 2441

PROJECT AIRPORT AND ACCESS ROAD

LOCATION DAWSON CITY, Y.T.

HOLE No. TH - 13

DATE NOV. 25-29/87 PLATE

		E DATA		1	ELEV COLLAR		7	ONFI	T	00 00	OMPR		kPa
			63.5 Kg	1 8	ELEV GROUND	•	FIELC						400 MCONF
	T DR		.76 m	\$	co-ond Location As per attached location		LIM	TIC		CO	TER	7	LIQUE
EPTH LEV	0.0 1. D.	aLow .15m	NO.	ļ	DESCRIPTION OF MATERIAL		10 X — ·		ю	- 6	<u> </u>	70	90°
	l ·				0.05m PEAT, thin organics, roots								
-		1			BEDROCK								
1.0	В		1		<ul><li>weathered</li><li>quartz and mica schist</li></ul>								
					<ul> <li>iron and chlorite alterates</li> </ul>		†				$\Box$	1	TT
		ļ			- light brown to brown			١.					
2.0	В		2		1.75 m - hard drilling 1.25 - 1.75 m								
					REFUSAL AT 1.75 m	-	+	-	_			$\bot$	$\Box$
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												•	
3.0				:									
													$\prod$
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7						-	$\vdash$	$\dashv$				+-	$\vdash$
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$\dashv$		1				_				$\dashv$	_	$\bot$	
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									-				



JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 14
DATE NOV.	25-29/87 PLATE

EIGH		E DAT	63.5 K		ELEV COLLAR ELEV GROUND	╣.	UN	CONI		200	300		n k 400
	DRO		.76 m	SYMBOL	co-ond Location As per attached location	+	FIE	LD VA	NE	ALA	B VAN	E =1	JHCC
EV.	0.D 1.D.	BLOW 151	NO.	] "	DESCRIPTION OF MATERIAL	$\dashv$	x	STIC		coi	TER STENT		FIG
					0.05 m PEAT, thin organics, roots	+	10	Τ	30	T	° T	70 T	T .
	B B		1		BEDROCK  - weathered  - quartz and mica schist  - iron and chlorite alterates  - light brown to brown								
0					REFUSAL AT 1.9 m								
0													
<u>D</u>													
)													



JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 15
DATE NOV.	25-29/87 PLATE

WEIGH	SAMPL		63.5 Kg	1 1	ELEV COLLAR ELEV GROUND	╣.	•	1ბი	2	20	30	0	kPa 400
	T DRO	P 0	.76 m	SYMBOL	CO-ORD LOCATION As par attached leasting	4	FIEL	D VA	NE .	A L AE	VAN	E mu	MCONF
ELEV.	0.D 1.D	aLow	NO.	7 "	DESCRIPTION OF MATERIAL	$\dashv$	PLA: LH	WIT	. <b>–</b> –	CON	FERT		LIQUIP
						+	10	7	360	_ <u>*</u>		70	90.
				-	0.05 m PEAT, thin organics, roots	4							
1.0	В		,		BEDROCK								
-4			,		<ul><li>weathered</li><li>quartz and mica schist</li></ul>	L		$\perp$					
					<ul> <li>iron and chlorite alterates</li> </ul>								
					- light brown to brown								
2.0	В		2		2.0 m							1	
					REFUSAL AT 2.0 m				$\Box$	1	1	†	
					NETOSAL AT 2.0 III							1	
.0				•			ŀ						
-						卜	+	+		+	+	+	
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	l					$\vdash$	+			- -	1		
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쒸						L				$\bot$			
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										1			$\top$
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			-			- 2		1	+	$\dagger$		-	
			1										
7							$\dashv$	$\dashv$	- -	+-		-	
1													
1						_	$\dashv$	$\bot$	1	<u> </u>			$\bot$
			- 1			- 1							



JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH _ 16
DATE NOV.	25-29/87 PLATE

		E DATA	<del></del>		ELEV COLLAR	[-	~			COM			_
	IT HAM			1 0	ELEV GROUND		FIEL	VAN	E	00' <u>ALAB</u>	VANE	40	IONF.
HEIGH DEPTH ELEV	T DRO	٠,	76 m	34	co-one Location As per attached location	_ '	LAS	TIC T		CONT	ENT	· Ł	MIP
ELEV	T. B.	BLOWS 15m	NO.		DESCRIPTION OF MATERIAL		10	3	0	- 80	7	0	<b>90</b> 9
					0.05 m PEAT, thin organics, roots	_							ı
1.0	В		1		BEDROCK - weathered - quartz and mica schist - iron and chlorite alterates - light brown to brown								
2.0							-						1
3.0	В		2		3.0 m								
4.0					REFUSAL AT 3.0 m								
5.0								-					
5.0													
·. 0													
				·									



	<del></del>
JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH _ 17
DATE NOV.	25-29/87 PLATE

						TEST HOLE LOG									
	<del></del>	SAMPL	E DATA	١		ELEV COLLAR	T	UNC	ONFI	NED	CO	MPRE	SSIGN	۷ kl	 Ра
_ }-			MER	63.5 K	<u> </u>	ELEV GROUND	1.	1	00 D VAN	2	00	30		Zoc	
		T DRC	•	.76 n	SYMBOL	co-ond LOCATION As per attached location	_	PLAS			WAT			Ligh	
F	ELEV ELEV	0.D 1.D.	BLOW 150	NO.	<u> </u>	DESCRIPTION OF MATERIAL		x —		<del>-</del> -	- o		 70		- x 10 %
						0.05 m PEAT, thin organics, roots			- 1					Τ	۲
	1.0	В		1		BEDROCK - weathered - quartz and mica schist									
						<ul><li>iron and chlorite alterates</li><li>light brown to brown</li></ul>									
F	2.0						L	_			_				
		В		2											
H	3.0	В		3		3.2 m	_	-	H	$\dashv$	- -	+	-		
4	1.0					REFUSAL AT 3.2 m									
											1	1	1		
_5	.0														
										_		1			
6	.0			·											
										$\dagger$	+		H		$\dashv$
7.	.0														
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	$\dashv$						-	-	+	-	-			$\perp$	_



JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 18
DATE NOV.	25-29/87 PLATE

SAMPLE DATA		[	ELEV COLLAR	T_	UNC	ONFI	NED	CO			kP.		
			53,5 Kg	200	ELEV GROUND	].	1 FIEL	00 2 VA	. 2 .E	ρο' ΔιΑΙ	30 VAN	0 .	400 NCON
	T DRO		.76 m	SYMBOL	co-ond Location As per attached location		LAS				TER TENT		LIQUE
ELEV	0.D 1.D.	BLOW 15m	NO.		DESCRIPTION OF MATERIAL		K —		ō -	- 0 50		70	
			ļ		0.05 m PEAT, thin organics, roots								
1.0	В		1		BEDROCK - weathered - quartz and mica schist - iron and chlorite alterates - light brown to brown 1.8 m - hard drilling last 0.3 m								
2.0					REFUSAL AT 1.8 m					- 1			
					KLIUSAL AI 1.8 M								
3.0													
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4													
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4													
						24							



JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 19
DATE NOV.	25-29/87 PLATE

					TEST HOLE LOG								
	SAMPL	E DATA			ELEV COLLAR	T	UNC	ONFI	NED	COA	APRES	SION	kPa
WEIGH	WEIGHT HAMMER 63.5 Kg			٦	ELEV GROUND	1.	1 FIELD	00	2	00	300	) 2	OO NCONF.
	T DRO	•	.76 m	SYMBOL	co-ond Location As per attached location		LAS			WAT		LIQUE	
DEPTH ELEV	0.0 1.0.	aLow 15m	NO.		DESCRIPTION OF MATERIAL	1 :	x — .		 o	- 0		70	X
					0.05 m PEAT, thin organics, roots						T	T	
1.0	В		1		BEDROCK  - weathered  - quartzite  - gravel like, 3-5 cm  - angular  1.7 m								
2.0					REFUSAL AT 1.7 m	$\vdash$				-	-	-	
3.0													
4.0	·										-		
5.0													
6.0		·											
7.0													
7.0													
										-	ļ.		
							-						
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					JOB No. PA	20	14.1						



JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 20
DATE NOV.	25-29/87 PLATE

		<del></del>			TEST HOLE LOG							<del>-</del>			
	SAMPL	E DATA			ELEV COLLAR	UNCONFINED COMPRESSION KPa									
<b>}</b>			53.5 Kg	] ğ	ELEV GROUND		1 FIELD	00 VAN	20 E. A	() 3	OO	400	OME		
	T DRO	•	.76 m	SYMBOL	co-ond Location As per attached location	1	LAST			WATE			UID MIT		
DEPTH ELEV	Īδ	. 15m	NO.		DESCRIPTION OF MATERIAL		0			- 00 80	70		X 90 %		
				ļ	0.05 m PEAT, thin organics, roots										
1.0	В	. •	1		BEDROCK - weathered - quartz and mica schist										
2.0	В		2		<ul><li>iron and chlorite alterates</li><li>light brown to brown</li><li>more iron oxide in 1st meter</li></ul>										
			۷		2.5 m										
3.0					REFUSAL AT 2.5 m										
4.0															
5.0															
6.0															
6.0								-	+		-				
7.0															
							-	$\dashv$	_						
											+				
					JOB No PA	24	41		$\perp$						



JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 21
DATE NOV.	25-29/87 PLATE

				·	TEST HOLE LOG							
		E DATA		1	ELEV COLLAR		T			OMPRESSION KPa		
<b></b>			63.5 Kg	- 22	ELEV GROUND	100 200 3		30	300 400 VANE BUNCONF			
	T DRO	•	.76 m	S YE	co-ond Location As per attached location		LAST	TK T	čo	ATER NTENT		LIQUIP
ELEV	0.0	.15m	NO.	<del> </del>	DESCRIPTION OF MATERIAL		0	30		0 50	70	90 9
					0.05 m PEAT, thin organics, roots							
1.0	В		1		BEDROCK - weathered - quartz and mica schist - iron and chlorite alterates - light brown to brown							
2.0	В		2		2.0 m							
3.0 4.0 5.0					REFUSAL AT 2.0 m							
7.0												
					JOB No. PA							



JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 22
DATE NOV.	25-29/87 PLATE

	SAMPL	E DATA	\		ELEV COLLA	l <b>A</b>		7_			_	СОМ	PRES	SION	kPa
WEIG	HT HAM	MER	63.5 K		ELEV GROUN			١.,	† FIEL(	00 VAN	20 E 4	() LAB	300 VANE	4 ■UN	OO CONF
	T DRO		.76 n	<b>-</b>	CO-ORD LO	per actac	hed location		LAS			WATE			LIQUID
DEPTH ELEV	0.0 1 D.	8L0w , 15m	NO.	<u> </u>	ļ	DESCRIPTION OF MA		1 '	X — ·	3	0	- 00 50		70	20°
					0.05 m	PEAT, thin organi	cs, roots						1		
1.0	В		2		1.6 m	BEDROCK - weathered - quartz and mica - iron and chlori - light brown to - coarse fragment to 4 cm	te alterates brown								
3.0						REFUSAL AT 1.6 m									
4.0															
5.0		•													
6.0			e e												
7.0															



JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No	TH -23
DATE NOV.	25-29/87 PLATE

TEIGHT DROP 0.76 m CO-ORD LOCATION AS DON 2++204 1	WEIGH		MMER		(6)	ELEV COL			CONFI	T -	COMP		
DESCRIPTION OF MATERIAL  O.1 m PEAT, thin organics, roots  BEDROCK  - weathered - quartz and mica schist - iron and chlorite alterates - light brown to brown  REFUSAL AT 1.5 m	1E IGH	T DR	OP 0	.76	m 0			FIEL	D VAN	ΕΔ	LAB VA	NE MI	
BEDROCK  - weathered - quartz and mica schist - iron and chlorite alterates - light brown to brown  REFUSAL AT 1.5 m	LEV	0.0 1.0.	15r	NO	·		DESCRIPTION OF MATERIAL	x			- 0		FIN
- weathered - quartz and mica schist - iron and chlorite alterates - light brown to brown  REFUSAL AT 1.5 m					-	0.1 m	PEAT, thin organics, roots	Ť	T	T	Ť٦	<del>-7°</del>	1
0		В		1		1.5 m	<ul><li>weathered</li><li>quartz and mica schist</li><li>iron and chlorite alterates</li></ul>						
0			i jar V				REFUSAL AT 1.5 m	+-	$\left  \cdot \right $	+	++	+	$\dashv$
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JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 24
DATE NOV.	25-29/87 PLATE

	SAMPLE DATA				ELEV COLLAR			UNC	ONF	HEE	) (	ОМР	RESSI	on k	Pa
WEIGHT HAMMER 63.5 Kg					ELEV GROUND		• F	1 <b>E</b> LC	oo Yar	. 2 NE	200	3 48 V	00	400	)
	HEIGHT DROP 0.76 m			Syme	co-ond Location As per attached location			LAS				ATE			NID HIT
DEPT ELEV	0.D 1.D.	BLOW 15m	NO.		DESCRIPTION OF MATERIAL		>	0		- · xo		0 - 80	 70		- x
l					0.05 m PEAT, thin organics, roots					Γ					T
1.0	<u>)</u> B		1		BEDROCK - weathered										
2.0					<ul> <li>quartz and mica schist</li> <li>iron and chlorite alterates</li> <li>light brown to brown</li> </ul>										
	В		2												
3.0					<ul><li>harder drilling from 3.0 –</li><li>6.5 m</li></ul>										-
4.0	В		3												
							1								
5.0	В		4												-
6.0						-							1		-
7.0	В		5		6.5 m										
					REFUSAL AT 6.5 m										



JOB No. PA 2441

PROJECT AIRPORT AND ACCESS ROAD

LOCATION DAWSON CITY, Y.T.

HOLE No. TH - 25

DATE NOV. 25-29/87 PLATE

	SAMPLE DATA				ELEV COLLAR		UNC	ONFI	NED	CO	MPRES	SIGN	kPa		
WEIGHT HAMMER 63.5 Kg					ELEY GROUND	100 200 300 400  FIELD VANE ALAB VANE BUNCONF.									
	HEIGHT DROP 0.76 m			SYME	co-ond LOCATION As per attached location	PLASTIC LIMIT				WATER CONTENT			LIQUID		
DEP THE	0.0	.15m	NO.		DESCRIPTION OF MATERIAL	,	0	×	<del>-</del>	- o		70	x •0%		
İ					0.05 m PEAT, thin organics, roots										
1.0 2.0			1		BEDROCK - weathered - quartz and mica schist - iron and chlorite alterates - light brown to brown										
3.0	В		2		- soft						-				
4.0	В		3												
5.0 6.0	В		4		<ul> <li>highly weathered zone at 4.5 m</li> <li>easy drilling</li> <li>6.0 m</li> <li>stopped drill</li> </ul>										
7.0					END OF HOLE										
					JOB No. PA										



JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH -26
DATE NOV.	25-29/87 PLATE

VECTOR   O.75 m   O.76 m   O.76 m   O.75 m   O	400				~	INED	Ţ	1	] -	]	ELEV COLLAR			DATA	SAMPL	
1.0   B   1   BEDROCK   - weathered   - quartz and mica schist   - iron and chlorite alterates   - light brown to brown   - hard drilling from 1.5-2.5 m   - rock more competent   2.5 m   REFUSAL AT 2.5 m   - 4.0		■U	OO!	' 3 48 V	ĎΩ.	. 2 ne	ÒO VAI	וברנ וברנ	• 6		ELEV GROUND	ر اور	3.5 Kg			
1.0   B   1   BEDROCK   Weathered   PEAT, thin organics, roots	LIO										co-ond Location As per attached location	SYME				
BEDROCK  - weathered  - quartz and mica schist  - iron and chlorite alterates  - light brown to brown  - hard drilling from 1.5-2.5 m  - rock more competent  2.5 m  REFUSAL AT 2.5 m  6.0		- <u>-</u> .		0 -		10		0	X		DESCRIPTION OF MATERIAL		NO.	.15m	1.0.	ELEV
- weathered - quartz and mica schist - iron and chlorite alterates - light brown to brown - hard drilling from 1.5-2.5 m - rock more competent  2.5 m  REFUSAL AT 2.5 m  4.0  6.0		Γ									0.05 m PEAT, thin organics, roots	-				
3.0  3.0  4.0  5.0  6.0											<ul> <li>weathered</li> <li>quartz and mica schist</li> <li>iron and chlorite alterates</li> <li>light brown to brown</li> </ul>		1		В	
2.5 m  REFUSAL AT 2.5 m  5.0  6.0	-	_		-	_		-		$\vdash$	-	- hard drilling from 1.5-2.5 m - rock more competent		2		В	2.0
3.0       4.0       5.0       6.0						-										
4.0         5.0         6.0											REFUSAL AT 2.5 m					3. 0
5.0         6.0	-	-								+						
5.0																
5.0										ı					ĺ	1.0
5.0	$\vdash$	<u> </u>					-			F						$\neg$
6.0								-						.		- 1
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7.0			$\dashv$	$\dashv$	$\neg$	$\vdash$	_	$\dashv$	$\dashv$	+						$\dashv$
7.0																
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	H	_	$\dashv$		-				$\dashv$	-						$\dashv$
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<del>-</del> ┤		$\dashv$	$\dashv$	$\dashv$	$\dashv$	-	$\dashv$	-	+	-						$\dashv$



JOB No. PA 2441

PROJECT AIRPORT AND ACCESS ROAD

LOCATION DAWSON CITY, Y.T.

HOLE No. TH - 27

DATE NOV. 25-29/87 PLATE

WE ICH	SAMPL IT HAM			}	ELEV COLLA			<b> </b> -	_	ONEI 00		_	OMPR 31	essio	n kl 400
	T DRO		.76 m	<b>-1 &amp;</b>	CO-ORD LO	·			FIELD	VAN	E	<u> ALA</u>	B VA	NE I	UNCO
EPTH LEV	0.D 1.D	aLow.	NO.	7 6		DESCRIPTION OF MATERIAL	1.	1 :	LAST LIMI K			- (	TER		FIN
					0.04 m	PEAT, thin organics, roots			Ĭ	Γĺ	$\stackrel{\circ}{\Box}$	n	Î	70	T •
1.0	В		1			BEDROCK - weathered - quartz and mica schist - iron and chlorite alterates - light brown to brown									
2.0	В		2		2.0 m	- Tana Brown to Brown									
						REFUSAL AT 2.0 m									
.0															
												-			
0			:											$\perp$	+
0															
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0										_			_		<u>_</u>
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												1			



JOB No. PA 2441

PROJECT AIRPORT AND ACCESS ROAD

LOCATION DAWSON CITY, Y.T.

HOLE No. TH - 28

DATE NOV. 25-29/87 PLATE

	SAMPL				ELEV COLLAR	_	_		_	~~~			n kP	
	T HAN			1 8	ELEV GROUND	100 200 300 400						400 UNCON	ıF.	
	T DRO		.76 m	SYM	co-ond LOCATION As per attached location		LAST LIMI				TER		Fioni	
ELEV	0.0 1.0	BLOWS .15m	NO.	ļ	DESCRIPTION OF MATERIAL	Ľ	0	_,	<u>-</u> -	- (	0 -	70	·	• X
					0.03 m PEAT, thin organics, roots									
1.0	В		1		BEDROCK - weathered - quartz and mica schist - iron and chlorite alterates - light brown to brown									
	В		2		1.9 m									
2.0			<u> </u>		REFUSAL AT 1.9 m	_						$\bot$	$\perp \downarrow$	
					KEIOOAE AI 1.5 III									
3.0						-				$\vdash$		+	++	_
				·										
4.0	,	;												
						-				H		+	++	_
5.0														
							Н	$\dashv$			1			_
5.0														
											$\top$	1	11	_
		İ												
.0														
		ľ												
										$ \bot $	$\bot$	丄		
											-			
$\dashv$							_	4	_	$\dashv$	4		$\coprod$	_
								- 1						



JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 29
DATE NOV.	25-29/87 PLATE

-		A M D: 4	DATA		T	TEST HOLE LOG	_	-	· ·			·	
WE				3.5 Kg	1	ELEV GROUND	┨▔	10	50	200	300	sion kl	
_	IGHT			.76 m	ન જ્ર	co-ord Location As per attached location		LAST		ΔL	AB VANE	#UNC0	NF.
DEP	TH EV	0.D 1.D.	BLOWS 15m	NO.	5	DESCRIPTION OF MATERIAL	) ×	C   MAI	T 30		ATER INTENT	LION	- X
						0.05 m PEAT, thin organics, roots		Ĭ	Ĩ		<u>so</u>	70 •	<b>∞ %</b>
1.	.0	В		1		BEDROCK - weathered - quartz and mica schist - iron and chlorite alterates - light brown to brown							
2.	0	В		2		2.3 m							
3.	0					REFUSAL AT 2.3 m							-
4.	0												
5.	0		•										
6.0					·								-
7.0													
<del></del>									-				
									-				



	<del></del>
JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 30
DATE NOV.	25-29/87 PLATE

5.0	<u> </u>			<del></del>	1	TEST HOLE LOG								
MEIGHT DROP 0.76 m   CO-OND LOCATION As per attached location   PLATE CALLED VANE DIAGRAM   CO-OND LOCATION As per attached location   PLATE CALLED VANE DIAGRAM   CO-OND LOCATION As per attached location   PLATE CALLED VANE DIAGRAM   CO-OND LOCATION As per attached location   PLATE CALLED VANE DIAGRAM   CO-OND LOCATION As per attached location   PLATE CALLED VANE DIAGRAM   CO-OND LOCATION As per attached location   PLATE CALLED VANE DIAGRAM   CO-OND LOCATION As per attached location   PLATE CALLED VANE DIAGRAM   CO-OND LOCATION As per attached location   PLATE CALLED VANE DIAGRAM   CO-OND LOCATION As per attached location   PLATE CALLED VANE DIAGRAM   CO-OND LOCATION As per attached location   PLATE CALLED VANE DIAGRAM   CO-OND VANE DIA					-		ͺͺͺͺ	_	_					
DESCRIPTION OF MATERIAL   10	<b></b>							FIEL	D VA	YE A	LAB V	NE W	400 UNCONI	
0.1 m PEAT, thin organics, roots  BEDROCK - weathered - quartz and mica schist - iron and chlorite alterates - light brown to brown  2.0 B 2 2.0 m  REFUSAL AT 2.0 m  3.0  4.0	l .		•	NO.	3	ns per actached location	+		ATIC AT		ONTEN	T	LIQUE	
1.0 B					1		+	10	T	ю I Т	<u>80</u>	70		
3.0 4.0 5.0						BEDROCK - weathered - quartz and mica schist - iron and chlorite alterates - light brown to brown								
3.0         4.0         5.0         6.0	2.0	B		2		2.0 m		1						
5.0	3.0					REFUSAL AT 2.0 m								
5.0	4.0													
	5.0													
7.0	6.0													
	7.0													
							-							



JOB No.	PA 2441	
PROJECT	AIRPORT AND ACCESS	ROAD
LOCATION	DAWSON CITY, Y.T.	
HOLE No.	TH - 31	
DATE NOV.	25-29/87 PLATE	्रा चार्च र श्रिक्त

		MER	63.5 Kg	2 2	ELEV GROUND	1	100	) ່ 🤈	<u> ስ</u> ሰ ' -	งทุก	ON KP
	T DRO		.76 m	SYMBOL	co-ond LOCATION As per attached location	PL	ASTIC	AHE	ALAB V	ANE I	UNCON
DEPTH ELEV	0.D 1.D.	.15/	NO.	<b> </b>	DESCRIPTION OF MATERIAL	x -			CONTE	ÑT .	LIQUI
			1		0.05 m PEAT, thin organics, roots	1 19	Т	30	50	70	1 1
1.0	В		1								
							$\perp$				
					DEDDOOR	1					
2.0	- 1				BEDROCK - weathered						
	В		2		- quartz and mica schiet	+	+-			- -	++
					- 1ron and chlorite alterates						
.0	- 1			:	- light brown to brown - easy drilling						
	ŀ				and the second s			Ш			11
.0											
4	В		3	.							
			ı			+-	$\Box$	+	++	+	╂┼
1		<u> </u>	$\dashv$								
0											
7	В		4			_	$\sqcup$	$\perp$			
			4								
o				1.							
4			-	6.	0 m STOPPED DRILL						
					END OF HOLE		7	$\top$	11	+-1	+
0										11	
1						++		+-		$\downarrow \downarrow$	
			1								
1							-				
			.					T		11	
							-				
			1								
-						+	+-	+		- -	4-4
· 			1								



JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 32
DATE NOV.	25-29/87 PLATE

WEIGI		E DATA		-	ELEV COLLAR ELEV GROUND	]_	٠.		7				kP.
	T DRO		.76 m	-1 %		•	FIEL	00 D VA	NE Z	)() <u>4 L A 8</u>	300	) ≀ E ∎u	400 Mcon
DEPTH		aLow 15m	NO.	3	ns per actached location		PLA: LM				ER		LIQUE
ELEV	10.	1.15	-		DESCRIPTION OF MATERIAL	L	X —		<del>-</del> -	- °		70	<b></b> -
				-	0.05 m PEAT, thin organics, roots								П
1.0	В		1		BEDROCK - weathered - quartz and mica schist - iron and chlorite alterates								
2.0	В		2		<ul> <li>light brown to brown</li> <li>iron oxide alterations more frequent in 1st meter</li> <li>easy drilling to 4.0 m</li> </ul>								
3.0													
4.0	В		3										
			3		1.3 m					-			_
5.0					REFUSAL AT 4.3 m								
0													
									1				
.0						-	$\dashv$			-		_	-
						+	1	+					



JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 33
DATE NOV.	25-29/87 PLATE

		E DAT		4	ELEV COLLAR			ŲN	CONFI	NED	COMP	RESSI	on k	
	HT HAI			ન જ્ઞ	ELEV GROUND		٦,	•	1 ÒO '	ໍ 2ຽ	o' 3	nn.	400	
ELEV.			.76 r	7 %	co-ond Location As per attache	ed location		PLA:			WATER			
ELEV	1.0.	. 15n	10.	+	DESCRIPTION OF MAT	ERIAL		X -			- 0 - 50		LIQ	
				<b> </b>	0.05 m PEAT, thin organic	s, roots							T	
1.0	В		1		BEDROCK - weathered - quartz and mica - iron and chlorit - light brown to b	e alterates				-			-	
2.0	В		2		2.0 m									
					REFUSAL AT 2.0 m				$\prod$		11	$\top$		
3.0														
								$\vdash$	$\prod$	+	$\dagger \dagger$	+	+	
.0														
							$\vdash$		-		+	+	+-	
0														
									+	+		+	H	
0														
							-		-	+	H	+	H	
0														
								1	+			+		
									+	+		+	+	
							-	$\dashv$	+	+	-	$\dashv$	_	



JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 34
DATE NOV.	25-29/87 PLATE

<b> </b>		PLE D			1	ELEV COLLAR	T.				,	OMP	RES:	ION	kPa
	SHT H				1 8	ELEV GROUND	100 200 300 • FIELD VANE ALAB VANE								00
DEPT	H 0.0			76 n	1 %	co-ond LOCATION As per attached location			STIC			ATE			LIQUE
ELE	9.5	47	0ws 5m	NO.	ļ	DESCRIPTION OF MATERIAL		X		300		0 - 50			90
						0.05 m PEAT, thin organics, roots	-								Ī
1.0	) B			1											
						BEDROCK		T							$\top$
2.0						<ul><li>weathered</li><li>quartz and mica schist</li></ul>									
2.(	1					<ul><li>iron and chlorite alterates</li><li>light brown to brown</li></ul>	_	1	1	-	_			_	$\downarrow$
	В			2		A SHOWIL TO DIOMIL									
3.0					·										
							-	$\dagger$	$\dagger$		-			$\dashv$	+
4.0															
4.0	В			3			_	_	_				$\bot$	$\downarrow$	
			-			4.5 m									
5.0															
						REFUSAL AT 4.5 m								$\top$	1
5.0															
					İ					$\dashv$		$\dashv$	4	$\perp$	1
<u>'. 0</u>															1
	j														
							$\dashv$		-	+	$\dashv$	_	+	+	+
4															
								T	T		T	T			
							1								



JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 35
DATE NOV.	25-29/87 PLATE

					TEST HOLE LOG									
	SAMPL	E DAT	A		ELEV COLLAR	Τ.	UNC	ONE	INEC	) c	ОМР	RESS	ION F	кРа
<b></b>			63.5 K	9	ELEV GROUND	٦.	, FIEL	oo w	NE Z	200	AB V	500 ANE	40	0
	T DRO	-	.76 n	T 9				TIC			ATE			OUP
DEPTH	0.0	.15	NO.	<del> </del>	DESCRIPTION OF MATERIAL	$\perp$	x —		30		0 - 80	70		X 90 %
		l		<u></u>	0.05 m PEAT, thin organics, roots	]								
1.0	В		1		BEDROCK - weathered - quartz and mica schist - iron and chlorite alterates - light brown to brown									
2.0	В		2		Trying Brown									
						$\vdash$	╁	╁	-	-		$\dashv$	+	_
					2.5 m									
3.0					REFUSAL AT 2.5 m									
						H	$\vdash$	$\vdash$	$\vdash$			$\dashv$	+	+-
4.0														
						一	$\vdash$	-				+	+	+
		•												
5.0														
												$\top$	$\top$	
											Ì			
6.0														
				İ								$\top$	T	
7.0			. [										_	
			İ											
								ĺ						
		İ						_		$\perp$		$\perp$	$\perp$	
						_	-	$\dashv$	$\perp$	$\dashv$	$\bot$	4		$\sqcup$
			L		JOB No. PA	24	41	Ц.					Ш	Ц



JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 36
DATE NOV.	25-29/87 PLATE

	SAMPL	E DATA		] -	ELEV COLLAR			JNCO	NFIN	ED .	COMP	RES	SION	kP
WEIG	IT HAN	MER (	53.5 Kg	٦	ELEV GROUND		100 200 300 400 FIELD VANE ALAB VANE BUNCOR							
	T DRO	U	.76 m	SYMBOL	co-ond LOCATION As per attached location		PLASTIC LIMIT				TATE	LIQU		
ELEV.	0.D 1.D.	aLow 15m	NO.		DESCRIPTION OF MATERIAL		X		30		0 - 50		 ro	90
	В				0.05 m PEAT, thin organics, roots									П
1.0	В		2		SANDY SILT  1.0 m - some rock fragments - highly altered schist									
2.0	В		3		BEDROCK  - weathered  - quartz and mica schist  - iron and chlorite alterates									
3.0					- light brown to brown 3.0 m									
4.0					REFUSAL AT 3.0 m									
5.0														
5.0				·										
.0														
						-								+



The second secon	
JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 37
DATE NOV.	25-29/87 PLATE

HEIGH DEPTH ELEV	T DRO	P 0	NO.	4 8	CO-ORD LO	CATION A			ion		IELD	VANE	200 <u>AL</u>	AB VA		400 UNCON
DEPTH ELEV	0.0 1 D.	•	NO.	S A A					0.76 m co-ord Location As per attached location							
1,0		, I.5r			0.03 m	DESCRIPTION OF MATERIAL						ic r	co	ATER	T	LIQUI
	В			<u> </u>	1 U . U.S. M	DEAT				1	0	30		<b>∞</b>	70	90
	В			1		PEAI,	thin organ	ics, roots		1						
			1			- iron - light	nered z and mica and chlor brown to	ite altera brown								
2.0						and s	0.5 m hig oft	niy aiter	ea							
	В		2		2.7 m											
3.0			1		<u> </u>											
						REFUSAL	AT 2.7 m			H	$\dashv$	+	╁		-	╁┼
1.0																
											$\dashv$	+		-	+-	+
5.0				- 1												
										$\dashv$	$\dashv$	+	H	-	$\dashv$	╁┼
		ĺ									.					
.0	.	1														
										$\dashv$	$\top$			$\dashv$	+	
.0				.												
											$\top$	1		$\top$	+-	
$\dashv$									-	$\downarrow$	_			_		
$\dashv$									-	4	4	-		1	$\downarrow \downarrow$	
-																



JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH = 38
DATE NOV.	25-29/87 PLATE

	SAMPL	LE DAT	<b>A</b>	1	ELEV COLLAR			UNC	ONF	INEC	) (	ОМР	RES	SION	k	Pa	
	HT HAI		63.5 K	ا ا	ELEV GROUND		1.	'   FIEL	00	. 2 NE	200 300 4 E ALAB VANE MU				100	00	
	T DRO	. •	.76 r	SYMBOL	co-ond Location As per attached location		PLASTIC LIMIT									UE	
LEV	0.0	8L04	NO.		DESCRIPTION OF MATERIAL		1 :	10 x —		 30		0 -		·		- ) 00	
	1				0.02 m PEAT, thin organics, roots				T		T		Π	Ī	Γ	Ĩ	
1.0	В		1		BEDROCK  - weathered  - quartz and mica schist  - iron and chlorite alterates												
2.0					<ul><li>light brown to brown</li><li>30% angular fragments up 7 cm</li></ul>	m											
. 0	В		2												×		
.0	В		3		4.0 m								-				
.0		•			REFUSAL AT 4.0 m												
. 0		-															
0							:										
																-	
						-									1		



JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 39
DATE NOV.	25-29/87 PLATE

-			E DATA		1	ELEV COLLAR	_ -	_						kPa
-				63.5 Kg	8	ELEV GROUND		FIELD	OO VAN	E 2	00 <u>alae</u>	300 VAN	) , E ##U	400 HCONF.
_		DRO	•	.76 m	SY.	co-ond Location As per attached location	┙′	LIMI	TIC T		CON	TER TENT		LIQUID
Ĭ	LEV.	0.D 1.D.	.15m	NO.		DESCRIPTION OF MATERIAL		10 X — ·	3	<u>-</u>	- o		70	x 90 %
l				]		0.05 m PEAT, thin organics, roots								
Ŀ	1.0	В		1		BEDROCK  - weathered  - quartz and mica schist  - iron and chlorite alterates							-	
				<u> </u>		1.5 m - light brown to brown					1			
2	2.0					REFUSAL AT 1.5 m								
												Ì		
]	3.0		- 1. - 1.								4			
								T			1	+	$\dagger$	<del>                                     </del>
			,							-				
4	.0									-				
												$\top$	1	
			•											
5	.0													
											1	$\top$		
6	.0										.			
_7	<u>.</u>									$\bot$				
		ŀ			-									
	$\dashv$								_	_		$\perp$	1	
				İ										
	$\dashv$		. [				-	$\vdash$	$\dashv$	-	$\dashv$	+	+	-
				. [					İ					



JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 40
DATE NOV	25-29/87 PL ATE

WEIGHT	HAM			Ko	٠.	ELEV COLLAR ELEV GROUND		U	_	NFIN	_		PRES	SIGI	7
EIGHT			76	<u></u>	SYMBOL		1	FIE	10 LD 1	0 VANE	2Ò	()	300 VANE	) . : <b></b>	40 mc
LEV	0.0	BLOV 15	NO NO		Š	As per attached location	4	PLA	STR	C		WAT			٤,
				1		DESCRIPTION OF MATERIAL  0.05 m PEAT, thin organics, roots	$\downarrow$	10	_	30		- ∞		70	
				一		organics, roots									
.0	В			,											
						BEDROCK	L	1	$\perp$	1					
				_		<ul><li>weathered</li><li>quartz and mica schist</li></ul>									Γ
.0						- Iron and chlorite alternation									
				1	- [	- 11ant prown to brown	İ								
	В		2			- 30% fragments between 1-3 cm	Γ	T	T		十	+			
이				1							l				
				l			H	+	+	+	+	╁	-	$\dashv$	
								.			-			-	
	В		3	l											
		ł			14	-2 m			_	├-	╀		$\dashv$	$\downarrow$	
						REFUSAL AT 4.2 m									
					-		_					-1	-	4	
		İ													
		- 1													
							4	$\dashv$	_	$\dashv$	_		$\perp$	$\downarrow$	
	İ							1							
												1			
	1						$\downarrow$		$\perp$	$\perp$					
														T	T
										-					
													1		
								T	T	T			1	T	t
			l												
							T	$\dagger$	†	$\top$	$\dagger$	+	+	-	+



	[ ] ] ] ] ] ] ] ] ]
JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 41
DATE NOV.	25-29/87 PLATE

WEIGHT		MER	63.5 K		ELEV GROU		-	' 1	ბი "	200	7	RESSIC	100
HEIGHT EPTH			.76 n	SYMBOL	CO-ORD L	DCATION As per attached location		PLAS			ATER	ANE .	LIQU
EPTH ELEV	0.0 1.D.	810w	NO.	<del> </del>		DESCRIPTION OF MATERIAL		X	 30		O - 50	T  	
				ļ	0.02 m	PEAT, thin organics, roots	T		П	T	Ĩ	Ť	Ti
1.0	В		1			BEDROCK - weathered - quartz and mica schist - iron and chlorite alterates - light brown to brown - blocky							
.0	В		2		2.8 m	- 25% angular fragments 1-3 cm							
-4						REFUSAL AT 2.8 m	_	_		_		$\bot$	$\perp \downarrow$
0													
1										-	$\sqcup$		
		1										.	
0													
٦							$\dashv$	$\dashv$	+	-	-	1	$\sqcup$
			1	<u> </u>									
]		- 1					$\dashv$	$\dashv$				+-	$\square$
							+	$\dashv$	-	╁┼	-	+	$\vdash$
							$\top$	$\dashv$	+-		$\dashv$	+	$\dashv$
		İ		.									
							+	+		+	$\top$	†-†	+



JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 42
DATE NOV.	25-29/87 PLATE

					TEST HOLE LOG													
	SAMPL	E DATA	4		ELEV COLLAR	Τ	UNIC	ONF	INED	, с	OMP	RESS	ion I	<u>·</u> κΡα				
<b>}</b>			63.5 K	ا ا	ELEV GROUND				UNCONFINED COMPRESSION  100 200 300 40  FIELD VANE BLAB VANE BUNG									
1	T DRO	•	.76 m	SYMBOL	co-ord Location As per attached location	PLASTIC LIMIT			***	WATER CONTENT				ONF.				
DEPTH ELEV	<u> </u>	BLOW 150	NO.	<u> </u>	DESCRIPTION OF MATERIAL	1.	x —		 80	-	0 — 80	- - 7(		MIT X 90 9				
					0.05 m PEAT, thin organics, roots			T						Ť				
1.0 2.0			1		BEDROCK - weathered - quartz and mica schist - iron and chlorite alterates - light brown to brown - 20% angular fragments 1-3 cm													
3.0	В		2		3.0 m													
<b>4.</b> 0					REFUSAL AT 3.0 m													
6.0																		
7.0																		
					JOB No. PA													



JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 43
DATE NOV.	25-29/87 PLATE

	SAMPL	E DATA	\		ELEV COLLAR	T	UNC	ONFI	1ED	COM	PRES	SIGN	ı kPa
WEIG	HT HAN	MER	63.5 K		ELEV GROUND	٦_	1	$\delta_0$	200	7	300	) 2	100
	T DRO		.76 n	SYMBOL	co-ord Location As per attached location		PLAS			VATE			LIQUE
ELEV	0.D 1.D.	BLOW 15m	NO.		DESCRIPTION OF MATERIAL	7	X —	'' : 84		0 - 50		 70	LIMIT ) 00
				<u> </u>	0.05 m PEAT. thin organics, roots					T	T	Ī	ΠĨ
1.0	В		1		BEDROCK  - weathered  - quartz and mica schist  - iron and chlorite alterates								
2.0	В		2		<ul> <li>light brown to brown</li> <li>more blocky</li> <li>40% angular fragments 0.5 cm</li> <li>to 4 cm</li> </ul>								
3.0	ט	-	2		- auger broke down, so no								
4.0					sample at bottom of hole  3.8 m								
5.0					REFUSAL AT 3.8 m								
6.0													
7.0													



DATE NOV.	25-29/87 PLATE
HOLE No.	TH - 44
LOCATION	DAWSON CITY, Y.T.
PROJECT	AIRPORT AND ACCESS ROAD
JOB No.	PA 2441

		E DAT		4	ELEV COLLAR	U	NCON	VFINE	D (	COMI	UNCONFINED COMPRESSION KP												
	T DRC	MER		ન જ્વ	ELEV GROUND	100 200 300 400 • FIELD VANE ALAB VANE BUNCO																	
DEPTH ELEV		aLow 15n	.76 r		co-ord Location As per attached location		PL	ASTK	-	_	TATE			LIQU									
ELEV	1 5.	, 15n	NO.	+	DESCRIPTION OF MATERIAL		X 10		30		0 - 50			90									
					0.05 m PEAT, thin organics, roots									Ĩ									
1.0	В		1		BEDROCK - weathered - quartz and mica schist																		
					<ul><li>iron and chlorite alterates</li><li>light brown to brown</li></ul>																		
2.0								- -	1				$\downarrow$	1									
3.0	В		2		3.0 m																		
					REFUSAL AT 3.0 m		+	+	-					+									
.0				Į,	lotes: Organics stripped by bulldozer.																		
					Proctor sample #1 taken from the hole.							1	1	1									
.0					Rock sample RS-02-87 collected from surface.																		
.0						_	-					1	_										
0																							
U			ļ			-	-	-			+	-	-	-									
										+	+	+	-	ig									
	.								7	1		+	†	H									



JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 45
DATE NOV.	25-29/87 PLATE

	SAMPL	E DAT	<b>A</b>	1	ELEV COLLAR	T	UNC	ONFI	NED	ÇO	MPRE	SSIGI	v k
			63.5 K	ا ا	ELEV GROUND			გი	2	00	30	<u>)</u>	400
FETH OR LEIGHT DROP 0.76 m		7 0	co-ond LOCATION As per attached location		PLASTIC LIMIT			WATER CONTENT			LIQUIP		
PTH LEV	0.D 1.D.	8L04	NO.		DESCRIPTION OF MATERIAL		X —		 0	- o		 70	
.			1		0.05 m PEAT, thin organics, roots	T						Ť	Τ
						7					1		
.0	В		1										
			`			1	+	$\vdash$		$\dashv$	+	+	╁
				4									Ì
.0													
$\exists$	В		2		BEDROCK	$\vdash$	+-	$\sqcup$	_	_	_	$\perp$	_
	D		4	'	- weathered								
					<ul><li>quartz and mica schist</li><li>iron and chlorite alterates</li></ul>								
.0					- light brown to brown								
									T			Γ	Γ
0	В		3										
		**			4.2 m				1	-	$\dagger$	T	$\vdash$
					REFUSAL AT 4.2 m								
0													
							H	$\dashv$	+	+	+		-
0													
7				1		-	$\vdash$	$\dashv$	+	+	-		
0													
4								_ _				Ш	
4							_						
							$\Box$						1
						$\dashv$	$\dashv$	+	+	+	-		$\dashv$



JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 46
DATE NOV.	25-29/87 PLATE

	SAMPL			4	ELEV COLLAR						NED COMPRESSION K					
			63.5 K	-1 2	ELEV GROUND				21 NE	O LAB	300 VANE	) .	400			
EPTH LEV	EIGHT DROP 0.76 m			co-ond LOCATION As per attached location		PLASTIC			CONT	ER Ent		LIQU				
LEV	1. D.	1.15	m	-	DESCRIPTION OF MATERIAL		10		30	- ∞		70				
				-	0.5 m PEAT, thin organics, roots											
1.0	В		1		BEDROCK - weathered - quartz and mica schist - iron and chlorite alterates - light brown to brown - 40% angular fragments											
3.0	В		2		angurui ir ugmenus											
.0	В		3		1.2 m											
.0					REFUSAL AT 4.2 m											
.0																
.0																



JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 47
DATE NOV.	25-29/87 PLATE

	SAMPL		<del></del>	1	ELEV COLLAR	T_	UNC	ONFINE	D C	OMPRE	SSION	v kPa
<b>}</b> -	<del></del>		63.5 Kg	2 2	ELEV GROUND	•		OO VANE	200	30	() .	400 NCONF
6	T DRO	•	.76 m	SYMBOL	co-ond Location As per attached location	_	LAS			ATER		LIQUE
DEPTH ELEV	0.0	8L0w , 15m	NO.		DESCRIPTION OF MATERIAL		10	30		0 0	70	)
				<u> </u>	0.05 m PEAT, thin organics, roots							
1.0	В		1				L					
2.0					BEDROCK							
					<ul><li>weathered</li></ul>							
	В		2		<ul><li>quartz and mica schist</li><li>iron and chlorite alterates</li></ul>							
3.0					- light brown to brown							
4.0												
4.0	В		3			<u> </u>		- -	1-1			4
												ć
5.0	В		4		4.9 m							
3.0									++		-	-
					REFUSAL AT 4.9 m							
6.0												
								$\top$		1		
7.0												
											11	
									T			
						_	$\perp$		$\sqcup$	_ _		
		- 1										



JOB No.	PA 2441	_
PROJECT	AIRPORT AND ACCESS ROAD	_
LOCATION	DAWSON CITY, Y.T.	_
HOLE No.	TH - 48	_
DATE NOV.	25-29/87 PLATE	

	SAMPL	E DAT	١		ELEV COLLAR	UNCONFINED COMPRESSION										
			63.5 K		ELEV GROUND				100 200 300 400 FIELD VANE DUNCONF.							
	T DRO		.76 n	SYMBOL SYMBOL	со-ояр Location As per attached location	1	PLA			MATER		LIQUE				
DEPTH ELEV	0.D 1.D.	BLOW 151	NO.	<u> </u>	DESCRIPTION OF MATERIAL		X			0 - 50	'-  70	## PO				
					0.02 m PEAT, thin organics, roots				T	Î	Ť	ΤÏ				
									-							
1.0	В		1		BEDROCK											
					<ul><li>weathered</li><li>quartz and mica schist</li></ul>		1		1			$\dagger \dagger$				
			-	-	<ul> <li>iron and chlorite alterates</li> </ul>											
2.0					- light brown to brown											
						-	+	$\dagger \dagger$	$\top$	++		++				
I	В		2													
3.0																
					<ul><li>hard drilling from 3.0 - 3.5 m</li><li>easy drilling from 3.5 - 6.0 m</li></ul>	n  -	+	++	+	++		┼┼				
					5.0 H	"										
4.0	В	.*-	3													
	١		3			-	╀	╁┼	+	++		$\vdash \vdash$				
											İ					
5.0																
~~						$\vdash$	1	-	+-	++	- -	igoplus				
	В		4													
0.0		İ		- [	6.0 m											
						+	-			$\dashv$	+	- -				
	.				END OF HOLE											
.0				1												
Ť						-	-			- -		<u> </u>				
			ĺ													
											1					
$\dashv$						-		_	4	-						
		ĺ														
$\dashv$									-		44					
					JOB No. PA											



JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 49
DATE NOV.	25-29/87 PLATE

					TEST HOLE LOG										
	SAMP	LE DAT	A		ELEV COLLAR			ONFI	1ED	COMP	RESSI	on ki	Pa		
WEIG	HT HA	MMER	63.5 K	ة [	ELEV GROUND		100 200 300 2								
	HT DR		.76 n	SYMBOL	co-ord Location As per attached location			TIC WATER				LIGH			
DEPTH ELEV	0.0	150v	NO.	ļ	DESCRIPTION OF MATERIAL		x —			0 60	70		- X 10 9		
					0.05 m PEAT, thin organics, roots	Γ							ř		
1.0	В		1		BEDROCK - weathered - quartz and mica schist - iron and chlorite alterates - light brown to brown										
2.0					- first 0.5m mixed with organics										
3.0	В		2												
J. 0															
4.0	В		3		- hard drilling 4.1 to 4.4 m										
5.0	В	1 + +.	4		5.0 m										
					REFUSAL AT 5.0 m			1			+	11			
6.0															
7.0															
7.0													-		
											_				
													i		
e.															



JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 50
DATE NOV.	25-29/87 PLATE

<u> </u>					TEST HOLE LOG									
<u> </u>		E DATA		1	ELEV COLLAR					NED	COA	APRE	SSIGI	n kF
<b>}</b>	HT HAN			1 2	ELEY GROUND					20 E 4	() LAB	300 VAN	) , E = 1	400 JHC01
DEPTH ELEV	0.0 1.0		.76 m	SYR	co-ond LOCATION As per attached location	)		PLAS			WAT			LIQU
ELEV		.15m	NO.		DESCRIPTION OF MATERIAL			X —		<u> </u>	- 0 50		70	
1.0	В		1		BEDROCK  O.5 m - weathered - quartz and mica schist - iron and chlorite alterates - light brown to brown - hard drilling	<b>S</b>								
2.0					REFUSAL AT 0.5 m									
3.0			 											
3.0												-		
4.0											+	_		
5.0														
6.0														
7.0														
						-				. =				



JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 51
DATE NOV.	25-29/87 PLATE

	SAMP HT HA	MMER		S Kg	٥٦	ELEY GROUND	J		(ስስ	· 2	no i	300	SSION	$I_{\Delta}$
	T DR		0.76		SYMBOL	co-ond Location As per attached location	+	FIEL	D VAN	E A	LAB	VANE	E WU	NC C
EPTH LEV	0.0 1 D	.T	<u></u>	10.		DESCRIPTION OF MATERIAL	$\dashv$	PLAS LM			WATE CONT	ENT		LIG M
	В			,		0.05 m PEAT, thin organics, roots	1	j°	3		_ <b>\$</b> ○	T	70	
1.0						BEDROCK - weathered - quartz and mica schist	-	+				_		_
.0						<ul><li>iron and chlorite alterates</li><li>light brown to brown</li></ul>								
	В		2							+				
.0			_	-				-		+	_			
0	В		3											
	В		4			1.8 m			1					1
0						REFUSAL AT 4.8 m			+	+	$\left  \cdot \right $	+	+	1
2														
												1	1	+
							-		-		-	+	+	-
							+	-			-	+	H	



JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 52
DATE NOV.	25-29/87 PLATE

	SAMP	E DAT	A	]	ELEV COLLAR	T	UNC	ONFI	NED	COM	PRES	SIGN	νc
WEIGH	IT HAI	MMER	63.5 K	.] <sup>2</sup>	ELEV GROUND	┨-	1	ბი	20	0	300	7	$00^{\circ}$
	T DR	9	.76 m	SYMBOL	co-ond LOCATION As per attached location		FIEL PLAS LIM		ΕΔ				
EPTH LEV	0. D 1. D	BLOW 151	NO.		DESCRIPTION OF MATERIAL	1	10 X —	17 — — 3		WATE ONTE			LIQU
					0.05 m PEAT, thin organics, roots	T	Ť		Ť	50	Γ	ro	•
.0	В		1		BEDROCK				1				-
					- weathered	$\vdash$	+		$\dashv$	+	-	$\vdash$	
			-		<ul><li>quartz and mica schist</li><li>iron and chlorite alterates</li></ul>								
0.0					- light brown to brown								
	D					-	+	H	$\dashv$	+-	_	$\vdash$	
	В		2										
.0													
•						_	-		+	-		$\dashv$	
					- hard drilling from 3.5 to 4.5 m								
. 0	В												
$\exists$	ь		3									_	_
					4.5 m								
0					REFUSAL AT 4.5 m								
					7			$\dashv$		$\left\{ -\right\}$	$\dashv$	+	+
0			- 1										
									+-		$\dashv$		4
											ļ		
0													
7			1			4	$\dashv$	_			$\perp$		$\downarrow$
											1		
1						$\downarrow$	_						
						-							
$\dashv$													
													T
L.													



JOB No. PA 2441

PROJECT AIRPORT AND ACCESS ROAD

LOCATION DAWSON CITY, Y.T.

HOLE No. TH - 53

DATE NOV. 25-29/87 PLATE

L		·			TEST HOLE LOG									
		LE DAT		_	ELEV COLLAR	Τ.	UNI	CONF	INED	COM	PRES	SIGN	, kl	<sup>o</sup> a
<del> </del>			63.5 K	ન ઢ	ELEV GROUND	].	FIEL	OÓ.	. 20 NE 4	)()	300 VANE	) Z	100	NF
DEPTH ELEV	0.0 1.0	•	76 1		co-ond Location As per attached location	Ţ	PLA:		_	CONT			LIQU	
ELEV	1.6.	1.15	NO.		DESCRIPTION OF MATERIAL	$\perp$	X -		0	- °		70		- x
					0.05 m PEAT, thin organics, roots	1								
1.0	В		1		BEDROCK - weathered		$\downarrow$	-			_		ļ	
					<ul><li>quartz and mica schist</li><li>iron and chlorite alterates</li><li>light brown to brown</li></ul>									
2.0						L	_			_	$\downarrow$			
	В		2		- hard drilling from 2.5 to 3.0 m	7								ĺ
3.0					3.0 m									l
					REFUSAL AT 3.0 m									
4.0														
	·													
5.0									_	-				
6.0							_		-	-			4	
,														!
7.0												$\bot$	$\perp$	
									_				$\perp$	
						-	_	-	-			+	$\downarrow$	_



JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 54
DATE NOV.	25-29/87 PLATE

					TEST HOLE LOG						**************************************	
	SAMPL	E DATA		T	ELEV COLLAR	Τ	UNCO	NFILL	FD (	OMPR	ESSIC	n kPa
WEIG	HT HAM	MER	63.5 K		ELEV GROUND	1	1	00	200	31	)()	400
	T DRO	•	.76 m	SYMBOL	co-ond Location As per attached location		LAST			ATER		LIQUID
DEPTH ELEV	0.0 1.0.	BLOW .15m	NO.		DESCRIPTION OF MATERIAL	1 3	( — - 10	360		0 — - 50	70	x
					0.05 m PEAT, thin organics, roots						Ť	•09
1.0	В		1		BEDROCK - weathered - quartz and mica schist - iron and chlorite alterates							
2.0	В		2		- light brown to brown - 30% angular fragments up to 4 cm - hard drilling 1.5 - 2.0 m							
3.0					REFUSAL AT 2.0 m							
4.0												
5.0												
6.0				:								
7.0												
					JOB No. PA 2							



JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 55
DATE NOV.	25-29/87 PLATE

	SAMPL T HAI		63.5 K		ELEV COLLAR	$\int$		ONF	7	cor		_	
	T DRO		.76 n	-l 2			FIEL	D VA	NE A	)() <u>4 L A B</u>	300 VANE	) 4 • • • •	NCON
LEV	0.0	8L04	NO.	* "	DESCRIPTION OF MATERIAL	$\dashv$	PLAS LM	STIC MT		CONT	ENT		LIQU
				1		+	ĵo T	<del></del>	ю П	_ <u>∞</u>	 	70	• • • • • • • • • • • • • • • • • • •
.0	В		1		0.05 m PEAT, thin organics, roots  BEDROCK - weathered - quartz and mica schist - iron and chlorite alterates								
.0	В		2		- light brown to brown								
.0	В		3										
.0					4.0 m  REFUSAL AT 4.0 m								
)													
													+



JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 56
DATE NOV.	25-29/87 PLATE

WEIGI		E DAT	63.5 1	(0)	ELEV COL		J	UN	ONFI	NED		RESSIG	
	T DRC	P (	0.76	SYMBOL	CO-ORD.		4	FIEL	D VAN	ε <u>Δ</u>	LAB V	SOO"	400
DEPTH ELEV	0.D 1.0	BLO	NO.	· ·	<b></b>	DESCRIPTION OF MATERIAL	4	PLAS	TIC NT	c	WATE	R NT	LIQU
				1	0.05 m		$\downarrow$	10	3	5	· 00 -	70	
				-	0.03 m	PEAT, thin organics, roots	_		1				
1.0	В		11					1.	11				
1						BEDROCK - weathered	$\vdash$	1	† †	-	+		+
			-	1		- quartz and mica schist			11				
2.0			1			- 1ron and chlorite alterator							
- 4	В		2			- light brown to brown	L	+-	$\sqcup \downarrow$	_ _	11		$\perp \downarrow$
				1 1						.			
3.0													
3.0													
												+	$\Box$
.0	В		3										
								H	+	┥—	$\vdash$	+	-
					4.5 m								
.0						REFUSAL AT 4.5 m.							
									1	1	-	+	$\vdash \vdash$
			1										
0													
			- 1				$\dashv$		- -		- -	+	
0									İ				
7													
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4				ĺ									
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JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 57
DATE NOV.	25-29/87 PLATE

	SAMPL		·	1	ELEV COLLAR				_	1	~-	RESSI	on l	ςPa
	HAN			1 8	ELEY GROUND	•	1 FIELI	00	NE 2	oğs Oğs	' 3 AB V	DO'	40 EUNC	O ONF.
	T DRO	•	.76 m	SYMBOL	co-ond Location As per attached location	7	LAS	TIC			ATER			OUD
DEPTH ELEV	1.6.	.15m	NO.	-	DESCRIPTION OF MATERIAL		10		30		0 - 80	70		X 90 %
				<u> </u>	0.05 m PEAT, thin organics, roots									
1.0	В		1		BEDROCK									
2.0	В		2		<ul> <li>weathered</li> <li>quartz and mica schist</li> <li>iron and chlorite alterates</li> <li>light brown to brown</li> </ul>									
3.0														
4.0	В		3											
5.0	В		4		5.0 m									
6.0			*.		REFUSAL AT 5.0 m									
7.0														
											,			



JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 58
DATE NOV.	25-29/87 PLATE

<u></u>	SAMPLE DATA				ELEV COLLAR	UNCONFINED COMPRESSION KPa											
<b></b>	HT HAI		63.5 K		ELEV GROUND		<b>'</b> 1	ბი "	200	) 3	no	400 UNCON					
h .	T DR	v	.76 r	- S	co-ond Location As per attached location		LAS			ATER ONTER		LIQUI					
DEPTH ELEV	0.0 1.0.	, 15r	NO.	-	DESCRIPTION OF MATERIAL		x —	30		0 -		EMIT					
					PEAT, thin organics, roots		Γ										
1.0			1		BEDROCK - weathered - quartz and mica schist - iron and chlorite alterates												
2.0					- light brown to brown												
3.0	В		2														
4.0	В		3		<b>4.0</b> m												
5.0 6.0					REFUSAL AT 4.0 m												
						1											



JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 59
DATE NOV.	25-29/87 PLATE

	SAMP	E DAT	A	T	ELEV COLLAR	T .	ואכסי	VEINER				<del></del>
			63.5 K	و ا	ELEV GROUND	1	10	ດໍ 2	00°	300		00
	T DR		.76 m	SYMBOL	co-ond Location As per attached location	P	ASTK	VANE C	ALA8 WAT CON1			
ELEV.	0.D 1.D.	BLOW 15	NO.	<u> </u>	DESCRIPTION OF MATERIAL	X		30	CON1 0 — -		 ro	LIQU
				<u> </u>	0.03 m PEAT, thin organics, roots				ΙĨ		ĬΠ	
1.0	В		1		BEDROCK - weathered - quartz and mica schist - iron and chlorite alterates - light brown to brown							
2.0												
	В		2									
3.0					3.0 m		1					
.0					REFUSAL AT 3.0 m							
.0												
.0												
0	1											



JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 60
DATE NOV.	25-29/87 PLATE

METHOR MANUFACTOR PROPERTY   PARTICIPATION   PROPERTY   PARTICIPATE   PARTICIPATION   PROPERTY   PARTICIPATE   PARTICIPATION   PROPERTY   PARTICIPATE   PARTICIPATION   PROPERTY   PARTICIPATE   PAR		SAMPL	E DATA	\		ELEV COLLAR	 UNCONFINED COMPRESSION KPa										
DESCRIPTION OF MATERIAL  1.0 B  1	WEIGH	HT HAN	MER	63.5 K	و ا	ELEV GROUND	 1_	1	00	200	0	300	7	00			
DESCRIPTION OF MATERIAL   10   10   10   10   10   10   10   1			•	.76 n	Sylve	73 per accached location											
BEDROCK - weathered - quartz and mica schist - iron and chlorite alterates - light brown to brown - more iron oxidation evident through increased reddish- brown color  3.0 m  REFUSAL AT 3.0 m	ELEV	<u> 7.5.</u>	. 15m	NO.	<del> </del>	DESCRIPTION OF MATERIAL	1	x			. 0 -						
- weathered - quartz and mica schist - iron and chlorite alterates - light brown to brown - more iron oxidation evident through increased reddish- brown color  3.0 m  REFUSAL AT 3.0 m					<u> </u>	0.05 m PEAT, thin organics, roots								$\prod$			
REFUSAL AT 3.0 m	2.0					<ul> <li>weathered</li> <li>quartz and mica schist</li> <li>iron and chlorite alterates</li> <li>light brown to brown</li> <li>more iron oxidation evident through increased reddishbrown color</li> </ul>											
4.0 6.0 6.0								-		+	╁	-	H	+			
													Y Y				
	.0	-															
		·											- 1				



JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 61
DATE NOV.	25-29/87 PLATE

	,					TEST HOLE LOG				· · · · · ·	- <del></del> -				
	SAMPLE DATA					ELEV COLLAR	T	UNIC	ONF	INED	) (	OMP	RESSI	on l	⟨Pa
				63.5 Kg	ا ا	ELEV GROUND	٦.	FIEL	DO D VA	. 2 NE	00	3 AB V	00 ME	40 <b>UNC</b>	0
-		T DRO		.76 m	SYMBOL	co-ond LOCATION As per attached location		PLAS				ATER			OUD
ŀ	ĒLEV	<u>1. D.</u>	BLOW 15m	NO.	ļ	DESCRIPTION OF MATERIAL		10 X —		<u>.</u>		0 - 80	 70		X 90 %
						0.03 m PEAT, thin organics, roots									T
	1.0	В		1		BEDROCK - weathered - quartz and mica schist - iron and chlorite alterates									
	2.0	·				<ul><li>light brown to brown</li><li>turning to reddish brown</li></ul>									
ľ	2.0	В	, i	2		2.5 m	-	-			-		$\dashv$	+	-
	3.0					REFUSAL AT 2.5 m	1								
															+
L	4.0				÷			_							<u> </u>
ŀ	5.0												$\dashv$		
L	5.0													-	
	7.0														
			-												
													-		-
						JOB No. PA	\ 24								



JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 62
DATE NOV.	25-29/87 PLATE

<u> </u>		E DATA		1	ELEV COLL	AR							_		n kPa			
<del></del>			63.5 K	4 8	ELEV GROUN				•		OO '	2ħ( <b>Δ</b> (	) 3	00'	400 UNCONF			
DEPTH ELEV	O.D	9	.76 m	34 1	CO-ORD. LO	73 per a	ttached locati	on	PLASTIC LIMIT				NATER ONTEN					
ELEV	0.D 1.D.	BLOW 15n	NO.		0.05	DESCRIPTION OF				( — ·	30	,	<u>0</u> -	70	x			
					0.05 m	PEAT, thin or	ganics, roots											
1.0	В		1			BEDROCK - weathered - quartz and - iron and ch - light brown	lorite alterat	es										
2.0	В		2		2.3 m	Tight bi Own	CO Drown											
3.0						REFUSAL AT 2.3	3 m											
4.0																		
5.0																		
6.0																		
7.0																		



JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 63
DATE NOV.	25-29/87 PLATE

	SAMPL	E DATA			ELEV COLLAR	1_	UNC	ONFI	INED	) (	ОМР	RESS	ION	kPa
WEIGH	HT HAM	MER (	3.5 K	٦	ELEV GROUND	┨╴	1	$\overline{60}$	2	200	3	no'	Ā	OO.
	T DRO		.76 m	SYMBOL	co-ond Location As per attached location		LAS				ATER			JOUR
DEPTH ELEV	0.0 I D	BLOW.	NO.	<u>"</u>	DESCRIPTION OF MATERIAL	1	x — ·		- 10		0 <b>–</b>	'		X
					0.05 m PEAT, thin organics, roots									Ť
1.0	В		1		BEDROCK - weathered									
2.0	В		2		<ul> <li>quartz and mica schist</li> <li>iron and chlorite alterates</li> <li>light brown to brown</li> <li>hard drilling from 2.0 to 3.0m</li> <li>more moisture than usual in material</li> </ul>									
3.0														_
4.0	В		3											
5.0	В		4		5.0 m									
6.0					REFUSAL AT 5.0 m									
7.0														
						-								
														1



JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 64
DATE NOV.	25-29/87-PLATE

	SAMPL	E DATA		4	ELEV COLLAR				_	_			400	
		MER	63.5 K	- 1 g	ELEV GROUND			100 FIELD VANE			200 300			
	T DRO		.76 r	SYMBOL	co-ord Location As per attached location		PLA	STIC		WATER			LIQUID	
EPTH ELEV	0.D I D.	150 150	NO.		DESCRIPTION OF MATERIAL		X -		30		0 <b>-</b>	70	•	
					0.05 m PEAT, thin organics, roots									
• • •	В		1	1										
1.0						L	$\perp$							
l														
				1	BEDROCK - weathered									
2.0					- altered schist and quartzite				$oldsymbol{ol}}}}}}}}}}}}}}}}}$					
	В		2		<ul><li>dark brown to black</li><li>easy drilling throughout</li></ul>									
					and an extended									
.0														
	В		3											
.0						L								
			·											
.0	В		4			_	_		<u> </u>			_	11	
						ļ								
			·		6.0				1					
.0					6.0 m	+	+	-	_		-	_	+	
					END OF HOLE									
0														
						+	+	-	-				++	
7						-	+	+	-		$\dashv$	-	1	
				1.										
7							1	1		$\dashv$	$\dashv$	-	++	
		İ												



JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 65
DATE NOV.	25-29/87 PLATE

		E DATA			ELEV COLLAR		UNCONFINED COMPRESSION KPa								
	HT HAN			ન જ્ઞ	ELEV GROUND	].		100 .d va		<u>∆</u> L.	3t 40 VA	)O'	400		
DEPTH	0.0 1.0	•	.76 r		co-ord Location As per attached location	_	PLASTIC LIMIT			co	ATER	r	LIQU		
ELEV	T. D.	aLOW 15n	NO.	<del> </del>	DESCRIPTION OF MATERIAL		10		30		0 - ·	70	•		
				-	0.05 m PEAT, thin organics, roots										
1.0	В		1		BEDROCK - weathered										
2.0	В		2		<ul><li>altered schist and quartzite</li><li>dark brown to black</li><li>easy drilling throughout</li></ul>										
3.0															
4.0	В		3												
5.0															
6.0	В		4												
					6.0 m END OF HOLE										
7.0															
		7.													



JOB No. PA 2441

PROJECT AIRPORT AND ACCESS ROAD

LOCATION DAWSON CITY, Y.T.

HOLE No. TH - 66

DATE NOV. 25-29/87 PLATE

	SAMP	E DAT	A		ELEV COLLAR	T.	UNIC	ONF	INE	) C	ОМР	RESS	ION	kPa	
<b>—</b>	HT HA		63.5	و ا	ELEV GROUND	1.	' 1	ტე	7	200	7	no.	1	00	
•	HT DR	•	.76	- S	co-ond Location As per attached location			LD VANE ALAB VANI STIC WATER CONTENT					LIQUED		
DEPTI ELEV	0.0	BLOV 15	NO.		DESCRIPTION OF MATERIAL		x —		30		0 <del>-</del>			X 90 9	
	1				0.05 m PEAT, thin organics, roots				T	T				Ť	
	В		1												
1.0															
					BEDROCK - weathered	r	T				<del>                                     </del>			1	
			-	-	- altered schist and quartzite										
2.0					<ul><li>dark brown to black</li><li>easy drilling to 3.5 m</li></ul>										
	В		2	1	<ul> <li>hard drilling to end of</li> </ul>	_	+	1	<del> </del>	-	-		$\dashv$	+	
					hole at 6.0 m										
3.0															
<u> </u>				1			+-	-	-	-	Н	$\vdash$		+	
		4.0°												-	
4.0	В		3												
							_		_	_			4	-	
- 0															
5.0	į						L					$\dashv$	_		
	В		4												
د ما															
6.0					6.0 m		_					_			
					END OF HOLE										
	1		1.		LIND OF HOLE										
7.0															
	l														
							:								
													$\top$		
									$\exists$	1	1	$\top$	1	1	



JOB No. PA 2441

PROJECT AIRPORT AND ACCESS ROAD

LOCATION DAWSON CITY, Y.T.

HOLE No. TH - 67

DATE NOV. 25-29/87 PLATE

	SAMPL	E DATA	·	T	ELEV COLLAR	T	110.00	O+					<del></del>
WEIG	HT HAI			1	ELEV GROUND	┨-	1	$\delta_0$	2	00	300	) 4	400
	T DRC	•	.76 m	SYMBOL	co-ond Location As per attached location		FIEL PLAS		HE.	WAT CONT	E WU	NCON	
DEPTH ELEV	0.0	BLOW 150	NO.		DESCRIPTION OF MATERIAL	1	10 X		 ю	- 0		70	LIQUI
					0.05 m PEAT, thin organics, roots		Ť	Τ	Ĩ	Ĩ	T	Ť	1
1,0	В		1										
					BEDROCK - weathered - altered schist and quartzite								
2.0	В		2		<ul><li>dark brown to black</li><li>easy drilling to 5.5 m</li></ul>		-				-	_	
2 0			_										
3.0						-					-		
4.0	В		3										
5.0	В		4										
6.0					6.0 m								
					END OF HOLE								
7.0									-		-		-
											-		+
									_				



JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 68
DATE NOV.	25-29/87 PLATE

	SAMP	E DATA	١		ELEV COLLAR	T	UNC	ONFI	NED	C	OMPR	ESSIC	n kP.
		MMER	63.5 K	] j	ELEV GROUND	1	1	$\delta \sigma$	2	bo	3	າດ້	400 UNCON
	T DR	•	.76 n	SYMBOL	co-ord LOCATION As per attached location		LAS		-		TER		LIQUE
DEPTH ELEV	0.0 1.0.	.15n	NO.	ļ	DESCRIPTION OF MATERIAL		K — -		- 0		0 -	70	90
					0.05 m PEAT, thin organics, roots								$\prod$
	В		1										
1.0					BEDROCK		<u> </u>						
					- weathered								
2 0					<ul><li>altered schist and quartzite</li><li>dark brown to black</li></ul>								
2.0	В		2		- easy drilling throughout	_	_					_	44
2 0													
3.0						-	-				$\dashv$	$\perp$	+-+
·. ·	В		3										
4.0													
						<del> </del>		$\dashv$			$\dashv$	+	++
5.0													
	В		4								$\dashv$	1	$\dagger \dagger$
6.0					6.0 m								
					END OF HOLE			7					
					2110 01 11022								
7.0							_						
		.						1	1				
$\dashv$	ļ						-	_	_	_		$\perp$	11
$\dashv$						$\dashv$	$\dashv$	+	+	$\dashv$		+	┼┼
		- 1											



JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 69
DATE NOV.	25-29/87 PLATE

	SAMP	LE DAT	A		ELEV COLL	AR		UNI	ONF	ITIEE	) с	ОМРІ	ESSIG	on kl	<sup>2</sup> a
WEI	GHT HA	MMER	63.5	رو ق	ELEV GROU	ND .	٦,	FIEL	00 D VA	. 2 NE	200 44	' 3'	00	400	N F
L	SHT DR		.76	SYMBOL	CO-ORD. LO	OCATION As per attached location		PLA:				ATER		LIQU	
ELE	7 0.0 1.0	151	NO			DESCRIPTION OF MATERIAL		x —		30		0 -	70		
					0.05 m	PEAT, thin organics, roots		T							Γ
	В	1	1				7								
1.			'			BEDROCK									
						- weathered	$\vdash$	+	$\top$	$\dagger$	1-		$\dashv$	+	$\vdash$
				4		<ul><li>altered schist and quartzite</li><li>dark brown to black</li></ul>			1.						
2.0						dark brown to brack			1						
-	В		2				$\vdash$		-	-	_		_	4-	L
								.							
	1														
3.0	)			1											
4.0															
					4.3 m		上	1	T				+		
		·					1								
5.0						END OF HOLE									
J. 0							$\vdash$	╁	-				-	-	
					N1										
					Notes:	Auger and bit lost in hole therefore no sample recovered		1					.		
6.0						from 3.0 m to 4.3 m.	L	1_							
7.0								1						-	
												1	1	††	<u></u>
	. ]														
								+	H		$\vdash$	+	-	+-+	
	ļ														
1		İ	,												
							<u> </u>					_	1	4-4	
							2								



K.L.C. - METRIC.

JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 70
DATE NOV.	25-29/87 PLATE

<u> </u>	SAMPL	E DATA	•	_	ELEV COLLAR	T	UNIC	ONF	INE	D C	OMP	RESS	ION	kΡ
WEIGH	T HAS	MER	63.5 K	<u>.</u> 5	ELEV GROUND	1.	FIEL	OO NAV O	200 300 THE ALAB VANE			0 40	00	
	TORC	<u>_</u>	.76 n	~ v	co-ond Location As per attached location		PLAS				ATE			LIQU
EPTH LEV	0.0	8LOW 150	NO.	<u> </u>	DESCRIPTION OF MATERIAL		10 X —		 30		0 <b>-</b>	 7		•
					0.05 m PEAT, thin organics, roots									
	В		1			1								
1.0					BEDROCK			-						Ì
					- weathered									$\dashv$
			-	-	<ul><li>quartz and mica schist</li><li>iron and chlorite alterates</li></ul>									
2.0					- light brown to brown			1						
	В		2		- angular fragments 0.5 to 1.0 m		+-		-		-		$\dashv$	-
	,													
.0														
Ť						$\vdash$	╁	-		-			$\dashv$	-
.0	В		3											
$\ddot{\dashv}$	·					<u> </u>	├_	-	_	-			4	_
					- easy drilling to 5.0 m								ľ	
.0	В		4				_						_	$\downarrow$
					hand duilling from 5 0 4 5 0	1							İ	
					- hard drilling from 5.0 to 6.0 m									
0					6.0 m		<u> </u>		-			$\perp$	$\perp$	
					END OF HOLE									
				1				j	-					
.0	]													
						-								
4														
											T			7
			.	1										
									1	7	$\top$	$\top$	$\top$	$\dagger$



JOB No. PA 2441

PROJECT AIRPORT AND ACCESS ROAD

LOCATION DAWSON CITY, Y.T.

HOLE No. TH - 71

DATE NOV. 25-29/87 PLATE

					TEST HOLE LOG								
	SAMP	LE DAT	A		ELEV COLLAR	T			NED	COM	PRES	SION	kPa
<b>—</b>			63.5 K	2 2	ELEV GROUND	١.	' 1 FIELI	δO VAR	. 2	00	300	2	00 NCONF.
	HT DR	·	.76 m	SYMBOL	co-ond LOCATION As per attached location		LAS LIM			WAT			LIQUID
DEPTH ELEV	7.8	, 15	NO.	<u> </u>	DESCRIPTION OF MATERIAL	1	x —		 0	- o		 70	X
2.0 3.0 4.0	B B		3		SILT - trace clay and sand - non to low plastic - grey  - turning to brownish grey  - more dense past 4.5 m - more clay - still low plastic					50		70	- • • • • • • • • • • • • • • • • • • •
6.0					6.0 m								
7.0		- 4			END OF HOLE								
					JOB No. PA	24	43						



JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 72
DATE NOV.	25-29/87 PLATE

	SAMP	E DATA	١		ELEV COLLAR	Τ.	_		T		- T		√ kPa
WEIG	HT HA	MMER	63.5 Kg	ا ا	ELEV GROUND	٦,	FIEL	ტე • •	. 2 ₹€	ბი' ბი*	300 VAN	j' E∎u	400 NCONF
	T DR		.76 m	SYMBOL	co-ond Location As per attached location		PLAS				TER TENT		LIQUIP
DEPTH ELEV	0.0 1 0	BLOW 15r	NO.		DESCRIPTION OF MATERIAL		x -		Б –	- o		70	x
1.0	В		1		SILT - trace to little clay and sand - trace gravel 1.0 m - non to low plastic - greyish brown		C	)					
2.0	В		2		GRAVEL - to 50 mm - well graded - rounded to subrounded - little sand - well graded	4.							
3.0					- trace silt - brown								
4.0	В		3										
5.0	В		4		– sample taken below water table	, [	   						
6.0	U		4		_6.0 m								
7.0					END OF HOLE								



JOB No. PA 2441

PROJECT AIRPORT AND ACCESS ROAD

LOCATION DAWSON CITY, Y.T.

HOLE No. TH - 73

DATE NOV. 25-29/87 PLATE

<u> </u>	SAMP	E DATA		1	ELEV COLLAR	]_	UNC	ONF	INED	CO	APRE:	SSION	kPa		
	HT HAI		63.5 K	를 <sup>할</sup>	ELEV GROUND	_].	100 200 300 400  FIELD VANE ALAB VANE BUNCONF.								
	HT DRO		.76 n	SYMBOL	co-ond Location As per attached location		LAS	TIC		WATER CONTENT					
DEPTI ELEV	1 <u>0.0</u>	BLOW.	NO.		DESCRIPTION OF MATERIAL		10 10			- 0 60		 70	LIQUIP X		
3.0 4.0 5.0 7.0	B B		1 2 3		FILL - wood chips - trace silt - brown  1.5 m  SILT - organics - trace sand - black - frozen below 1.5 m  - no ice visible before 3.5 m - visible ice crystalls from 4.0 to 5.0 m  - 50% (estimated) ice from 5.0 to 7.0 m  - little sand at 6.0 m - pieces of wood  7.0 m  END OF HOLE  Notes: Stopped drilling to avoid freezing of auger.			C				70			



JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No	TH - 74
DATE NOV.	25-29/87 PLATE

WEIG		E DAT	63.5 K		ELEV COLLAR ELEV GROUND			1	$\delta 0$	2	00	7	no	ION 40	10
	IT DR		.76 n	1 2	co-ond Location As per attached location		PLASTIC LIMIT					18 V	ANE	<b>BUNC</b>	ONF
ELEV.	0.0	BLOW 15	NO.	5	DESCRIPTION OF MATERIAL	$\dashv$	•	( <b>—</b> :				ATER			iquip Mit X
					0.05			r T	Γ	<u>×</u>	Τ	ř		<u>•</u>	•0°
					U.U5 m PEAT. thin organics, roots										
1.0	В		1												ł
1,0					BEDROCK - weathered	}	·	-		$\vdash$	-		$\left  - \right $	-	+
					<ul> <li>altered schist and quartzite</li> </ul>									l	
2.0				]	<ul><li>dark brown to black</li></ul>										
2.0								_	_		_			$\bot$	$\perp$
	В		2												
	,														
3.0			<u> </u>												
Î															
.0	В		3												
٠.															
5.0															
	В		4			Ī						-			T
5.0					6.0 m										
					END OF HOLE								$\dashv$		1
1					END OF HOLE										
.0															
						-	7							1	$\dagger$
												ł			
						F	$\dagger$	-				$\dashv$	$\dashv$	+	+
			1												
$\exists$							$\dashv$	$\dashv$	$\dashv$	$\dashv$	$\dashv$		$\dashv$	+	+
	.			1											



JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 75
DATE NOV.	25-29/87 PLATE

	SAMPLE DATA  EIGHT HAMMER 63.5 Kg			1	ELEV COLLAR					ED (	OMP	RESS	ION	kΡ
EIGH	T HAN	MER C	3.5 Kg	2	ELEV GROUND			100 FIELD VANE		20C	) 3 .AB V	SOO'	40	)()
	EIGHT DROP 0.76 m		SYMBOL	co-ond Location As per attached location			AST							
LEV	0.D 1.D	alows . 15m	NO.		DESCRIPTION OF MATERIAL		. X		30		0 - 60			94
					0.05 m PEAT, thin organics, roots									
.0	В		1											
											T			
					BEDROCK									
.0					- weathered									
	В		2		<ul> <li>altered schist and quartzite</li> </ul>	f			$\dashv$	-	+		+	
					<ul><li>grey to light brown</li><li>easy drilling to 6.0 m</li></ul>		ı							
.0			-			ļ								
• 0		2.1				}	$\dashv$	-	-	+	+		-	
	В		3											
.0	ם		3			-	_	$\dashv$		$\bot$	1		_	
							ļ							
.0							_	4						
	В		4											
						.								
.0					6.0 m									
					END OF HOLE			1						
										-				
0	1													
		1				$\int$								
													İ	
		1		l				1					+	
			.						İ					
														-
7							$\dashv$	$\top$	+-	$\dagger$		$\dashv$	$\dashv$	+
				1										



JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 76
DATE NOV.	25-29/87 PLATE

		E DATA		4	ELEV COLLAR	$\int_{-}^{-}$	_	_	~~~		MPRE		
	HT HAN			4 8	ELEV GROUND		FIEL:	DO VAI		)() '	300	) Z E ##U	400 NCON
DEPTH ELEV		BLOW 15m	.76 m	34	co-ond LOCATION As per attached location		PLAS LIM	TIC		CON	ER		LIQU
ELEV	1.0.	, 15m	1 70	<del> </del>	DESCRIPTION OF MATERIAL		X -	<del></del> -	ю —	- 0 - 60		70	
		•			0.05 m PEAT, thin organics, roots								
	В		1										
1,0			•			L	$\perp$	L				$oldsymbol{\perp}$	
2.0					BEDROCK	L							
	В		2		- weathered								П
					<ul><li>altered schist and quartzite</li><li>grey to light brown</li></ul>								
3.0					<ul> <li>easy drilling throughout</li> </ul>								
										7	$\top$		口
	В		3										
4.0											1		
									$\dashv$	1	$\top$		$\dashv$
		ŀ											
5.0													
	В	- 1	4			-			$\dashv$	+	╁	H	+
									ŀ				
5.0					6.0 m								
					END OF HOLE				$\dashv$	$\dagger$	+	H	$\dashv$
					LIE OF HOLE								
.0													
	-							$\neg$	+	$\dagger$	+		+
	•												
						$\dashv$	-	$\dashv$	+	+	+	$\vdash \vdash$	+
$\neg$							$\dashv$	$\dashv$	+	+	-	+	+
	- 1												1



JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 77
DATE NOV.	25-29/87 PLATE

	SAMP	E DATA	\ 		ELEV COLLAR	T	UNC	ONF	INEC	) (	OMP	RESS	ON	kΡ
		MER	63.5 Kg	ا ا	ELEV GROUND	٦.	1	δo	7	200	3	no.		20
	T DR	•	.76 m	SYMBOL	co-ond Location As per attached location		PLAS		N C.		ATER			IOUE IOUE
ELEV.	0.B 1.B.	BLOW 15m	NO.		DESCRIPTION OF MATERIAL	1	X —		 30		0 10	 		90
					0.05 m PEAT, thin organics, roots		Ť	T	Ĩ		$\tilde{\Box}$	Î	Ή	Ť
1.0	В		1		BEDROCK - weathered - altered schist and quartzite									
2.0	В		2		<ul> <li>grey to light brown</li> <li>hard drilling from 2.0 m to 3.0</li> <li>color change to light brown at 2.2 m</li> </ul>	m					2			
3.0					3.0 m									
					REFUSAL AT 3.0 m									1
1.0						_	_				_	_	1	
.0													8	
													1	1
.0														1
0														
													+	+
-													+	+
												$\parallel$	+	-



JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 78
DATE NOV.	25-29/87 PLATE

	<del>-</del>	E DATA			ELEV COLLAR	<b>│</b> -५	INCO	NFINE	0 (	1			_
			3.5 Kg	8	ELEV GROUND	1	ELD	VANE		B VA		400 UNCO	NF.
	T DRO		.76 m	N X	co-ond Location As per attached location		AST	Ю Г	CO	NTER	т	LIG	UP
ELEV	0.0	alow 15m	NO.		DESCRIPTION OF MATERIAL	X		30		<u> </u>	70		- X 10 %
1.0	В		1		SILT - trace to little fine sand - slightly plastic - light grey		0						
2.0					- trace clay - low plastic						-		
	В		2				<del>ا</del>						
3.0					- still unfrozen at 3.0 m						+		-
4.0	В		3		- very wet from 3.5 - 6.0 m		_						
5.0					<ul><li>little to some clay</li><li>low to medium plastic</li><li>medium grey</li></ul>								
	В		4					0					
5.0					6.0 m								
					END OF HOLE								
7.0											-		-
											-		_



JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 79
DATE NOV.	25-29/87 PLATE

	SAMPL	E DATA			ELEV COLLAR	-	JMC(	ONFIR	ED	COM	PRESS	ION	kΡ
EIGH	T HAR	MER	3.5 Kg	٥	ELEV GROUND	• 6		OÓ I VANI	20 E <b>4</b>	O .	300' Vane	4	00     
	TORC		.76 m	SYMBOL	co-ond Location As per attached location	PI	LAST LIMI	ric.		WATE			LIQUE
PTH LEV	0.D 1.D.	BLOW.	NO.		DESCRIPTION OF MATERIAL	X	<u>-</u> -			- 0 - 50		 o	•0
.0	В		1		SILT - little to some clay - little sand to trace sand - little gravel - low to medium plastic - brown to dark brown - pockets of fine organics - frozen with visible ice		9						
.0	В		2		crystals below 2.0 m								
.0					3.0 m								
					GRAVEL - to 50 mm - well graded - rounded turning angular by 4.5 m	7	/						
.0	В		3		<ul><li>trace clay</li><li>trace to little silt</li><li>some sand, well graded</li><li>brown</li></ul>	M							
.0	В		4		- hard, frozen 5.5 m		<u>)</u>						
. 0					REFUSAL AT 5.5 m								
.0													
							-						
-													$\frac{1}{1}$



K.L.C. - METRIC.

JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH _ 80
DATE NOV.	25-29/87 PLATE

<u></u>	SAMPL	E DATA			ELEV COLLAR		INCONE	INED	COM	PRESSI	on kPa
WEIGI	HT HAN	AMER (	3.5 Kg	٦	ELEV GROUND	• 61	100	. 2 NE	ÒΩ.' Δ L A B	300°	400 TUNCONF.
•	T DRO	•	.76 m	SYMBOL	co-ond Location As per attached location	PL	ASTIC		WATE		LIQUIP
DEPTH ELEV	0.0	aLow 15m	NO.		DESCRIPTION OF MATERIAL	X		30	- 0	70	x
1.0 2.0 3.0 4.0 5.0	В		3		SILT - some to little clay - trace to little sand - some gravel, subangular - low to medium plastic - brown  - very wet, oxidized, unfrozen  - turns brownish grey @ 4.5 m						
6.0			-				_			++	
7.0					END OF HOLE						



JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 81
DATE NOV.	25-29/87 PLATE

	SAMPL	E DATA			ELEV COLLAR		NCO	NFINE	р с	OMPRI	ESSION	v kPa
WEIG	HT HAI	MER (	63.5 Kg	٦	ELEV GROUND	• FI	10) ELD 1		200 44	30	)() NE <b>E</b> L	400 MCONF
1	HT DRO	· ·	.76 m	SYMBOL	co-ond Location As per attached location	PL	ASTR	C	CO	TER		LIQUED
DEPTH ELEV	0.D 1.D.	BLOW 15m	NO.		DESCRIPTION OF MATERIAL	X IC		30		0 0	70	x
1.0	В		1		CLAY - some silt - trace sand - medium plastic - brown		<u></u>					
2.0												
3.0	В		2		3.0 m		0					
4.0	В		3		SILT - little clay - trace to little sand - low plastic							
Г О					- brown 4.5 m CLAY							
5.0 6.0	В		4		- some silt - little sand - some gravel to 75 mm - medium plastic - brown	0						
7.0					END OF HOLE							
		·										



JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 82
DATE NOV.	25-29/87 PLATE

L		SAMPL	E DATA		]	ELEV COLLAR		UNC	ONF	INED	) (i	OMPR	ESSI	on k	Pa			
	WEIGH	IT HAM	MER C	3.5 Kg	ا ا	ELEV GROUND	╗.		OÓ.	. 2 ne	00		00 .	400 TUNC				
L		T DRO		76 m	SYMBOL	co-ord LOCATION As per attached location				PLASTIC WATER LIMIT CONTENT								
Ŀ	DEPTH ÉLÉV	0.0	BLOWS 15m	NO.		DESCRIPTION OF MATERIAL		X —		 30		о – Ф	70		X 90 %			
	1.0	В		1		SILT - little clay and sand - little to some gravel to 25 mm - low plastic - brown  1.5 m	n	0										
	3.0	В		2		GRAVEL - to 22 mm - rounded to subrounded - some to little sand - some to trace clay - silty to little silt - low to medium plastic - brown - gravel is frozen between 2.5												
	4.0					and 3.2 m  REFUSAL AT 3.2 m								_				
	5.0																	
	6.0																	
	7.0																	



JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 83
DATE NOV.	25-29/87 PLATE

<u> </u>	SAMPL	E DATA			ELEV COLLAR		_	_	- Y	_		7	kPa
WEIGH	T HAM	MER 6	3.5 Kg	٩	ELEV GROUND	•	TIELD	DO VAN	2t	)() ' 4 L A E	300 VAN	) 4 E∎u	OO NCONF.
1	T DRO	•	76 m	SYMBOL	co-ond LOCATION As per attached location		LAS				TER TENT		LIQUID
DEPTH ELEV	0.D 1.D.	BLOWS 15m	NO.	ļ	DESCRIPTION OF MATERIAL	]	0		<del>-</del> -	- o		70	X
					0.4 m ORGANICS, with wood chips								
2.0			2		SILT - slightly organic near surface - trace sand - trace clay - slightly plastic - dark brown to brown - frozen below 2.0 m			0					0
3.0					2.8 m								
<ul><li>4.0</li><li>5.0</li><li>6.0</li><li>7.0</li></ul>					REFUSAL AT 2.8 m								
7.0							•						
				-									



JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 84
DATE NOV.	25-29/87 PL ATF

		E DATA			ELEV COLLAR ELEV GROUND	┨ ̄	10	50	$\overline{2}$	00	3	00	4	kPa 00
	T DRO		.76 m	8		_	LAST		E				<b>EUN</b>	CON
EPTH	0.D 1.D.	BLOWS 15m		\ \cdot \( \cdot \)	DESCRIPTION OF MATERIAL	1 >	LAST LIMI			- (	TER			LIGUE
LEV.		1.15m		<del>                                     </del>	DESCRIPTION OF MATERIAL	+	0	3	<u> </u>	r	<u> </u>	7	<u>°</u>	90
	В		1		0.5 m SANDY GRAVEL	-								
1.0	В		2		BEDROCK - weathered		_							$\perp$
					<ul><li>quartz and mica schist</li><li>iron and chlorite alterates</li></ul>									
2.0					- light brown to brown									
	В		3											
.0						_	_			-				_
.0	В		4											
.0														
۳.	В	***	5		- hard drilling from 5.5 to 6.0 m	,								$\dashv$
.0	-				6.0 m	-								$\dashv$
					END OF HOLE									
0			-											
$\dashv$														-



JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No	TH - 85
DATE NOV.	25-29/87 PLATE

	SAMPL	E DATA			ELEV COLLAR	]_			NED	CO			n kPa
WEIG	HT HAM	MER 6	3.5 Kg	ا ا	ELEV GROUND	• 5		)() VAN	2( € .	)() <u> </u>	30 B VAI		400 UNCONF
	T DRO	<u> </u>	76 m	SYMBOL	co-ond LOCATION As per attached location	P	LAST LIMI	IC T		CON	TER		LIQUID
DEPTH ELEV	0.D 1.D	aLows 15m	NO.		DESCRIPTION OF MATERIAL	,	( <del>-</del> -	- 3	- 0	- 0	)	70	x
					0.3 m GRAVEL					ı			
1.0	В		1		BEDROCK - weathered - quartz and mica schist - iron and chlorite alterates - light brown to brown								
2.0													
2.0	В		2		<ul><li>hard drilling from 2.0 - 4.0 m</li><li>very wet from 3.0 to 4.0 m</li></ul>								
2 0													
3.0						$\vdash$	$\vdash$	$\vdash$			$\dashv$	+	++-
4.0	В		3										
,4.0					4.0 m						$\dashv$	$\dashv$	++
					REFUSAL AT 4.0 m								
5.0							<u> </u>					- -	
		-									-		
6.0													
	•												
7.0													
		-											
				·									
												1	



JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 86
DATE NOV.	25-29/87 PLATE

	SAMPL	E DATA			ELEV COLLAR		_	$\overline{}$				£5510		_		
WEIGH	T HAM	MER 6	3,5 Kg	, or	ELEV GROUND			100 200 300 400 FIELD VANE ALAB VANE BUNCONF								
	T DRO		76 m	SYMBOL	co-ord LOCATION As per attached location	P	LA51 L <b>IM</b>	T T		CON	TER	T	LIO	UIP IIT		
DEPTH ELEV	0.D 1 D	.15m	NO.		DESCRIPTION OF MATERIAL	Ľ	0		<u>-</u>	- 6	<u> </u>	70		- X		
·.		İ		·	0.05m PEAT, thin organics, roots											
1.0	В		1		BEDROCK											
					<ul><li>weathered</li><li>mica schist and quartzite</li></ul>	Γ								Γ		
				ver i	- thin quartz veins											
2.0					- light brown											
===						H							T	+		
	В		2													
		:			<ul><li>hard drilling from 3.0 - 3.5 m</li></ul>											
3.0					- mard driffing from 3.0 - 3.5 m	-	$\vdash$				$\dashv$	-	-	+		
	В		3		3.5 m											
4.0					REFUSAL AT 3.5 m	-	-	-	-		$\dashv$	+	+	+		
5.0						_	_	_	_			+	$\perp$	╀		
l																
					tantan da kacamatan da kacamatan da kacamatan da kacamatan da kacamatan da kacamatan da kacamatan da kacamatan Kacamatan da kacamatan da kacamatan da kacamatan da kacamatan da kacamatan da kacamatan da kacamatan da kacama											
6.0									_			$\perp$	$\bot$	↓_		
		Ş.,														
7.0																
	•															
$\neg$								Γ				十	$\top$	T		
		1	لـــــا		JOB No. P/	1 2	4.0		ــــــــــــــــــــــــــــــــــــــ	Щ.	لـــا			<del></del>		



JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 87
DATE NOV.	25-29/87 PLATE

	SAMPLE	DATA			ELEV COLLAR		7		NED	co	MPRI	ESSIC	N k	<del></del>					
WEIGH	T HAM	MER 6	3.5 Kg	٦	ELEV GROUND				100 200 300 400  FIELD VANE ALAB VANE BUNCONF.  PLASTIC WATER LIQUE										
	T DRO	٠.	76 m	SYMBOL	co-ond LOCATION As per attached location					CON	TER TEN1	r	L	oup Mit					
ELEV.	0.0	aLows . 15m	NO.		DESCRIPTION OF MATERIAL		10	,	-	- o	<u> </u>	70		•0°7					
					0.05 m PEAT, thin organics, roots	_													
1.0	В		1		BEDROCK - weathered - quartz and mica schist														
2.0					<ul><li>iron and chlorite alterates</li><li>light brown to brown</li><li>hard drilling from 2.0 to 2.5</li></ul>	m													
2.0																			
3.0	В		2											+					
4.0	В		3		- hard drilling from 3.5 to 4.3														
5.0					4.3 m  REFUSAL AT 4.3 m														
6.0																			
7.0		·																	
-																			
-																			



JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 88
DATE NOV.	25-29/87 PLATE

Second   S		SAMPL	DATA			ELEV COLLAR	]_;			_	_			kPa
DESCRIPTION OF MATERIAL   No.   So   So   To   So   So   To   So   So	HEIGHT DROP 0.76 m			3.5 Kg	٥	ELEV GROUND	• F	100 NCONF.						
1.0   B   1   BEDROCK					SYMB		PI	LAST	IC T		CONT	ER		LIQUE
1	ELEV.	0.0 1.D.	.15m	NO.		DESCRIPTION OF MATERIAL	×	0	- ×	5	- 0 50		70	X
3.0  3.3 m  4.0 B  3  BEDROCK  - weathered  - quartz, mica schist  - light brown  5.0  B  6.0 m  END OF HOLE				1		<ul><li>disturbed (by bulldozer)</li><li>weathered</li><li>quartz, mica schist</li></ul>								
## A.0 B		В		2										
5.0 B A 6.0 END OF HOLE	4.0	В		3		BEDROCK - weathered - quartz, mica schist								
7.0 END OF HOLE		В		4										
				•				-						



JOB No.	PA 2441
PROJECT	AIRPORT AND ACCESS ROAD
LOCATION	DAWSON CITY, Y.T.
HOLE No.	TH - 89
DATE NOV.	25-29/87 PLATE

APPENDIX II
EBA Test Hole Logs TH6-1 to TH6-8 inclusive

PROPUSED DAWSON AIRPORT SITES BOREHOLE No. STEG-1 10201-4653 RELATIVE ELEVATION O (m) SITE 6 KLONDIKE HALS DAWSON CITY, YUKON DRILLING RIG: CHE 75 (NODWELL MOUNTED) X CORLL SAMPLE TYPE CORE CONTRESSIVE STRENGTH  $\widehat{\mathbf{E}}$ SOIL Фрертн LIAN COMITTE) DESCRIPTION PFAT(Pt) -mass and ancenic reat mat
GRAVEL(GM) -some sit to sity, trace sand (Colluvium) regrandent de la composition d graveligue-gradedidry:grev
BEDROCK-chlorite mica schist with
quart:ite;weathered;drilling - .5 - 2 action causes rock to fragment -harder drilling - 1 - 1.5 - 6 - 2 END OF BOREHOLE 2.0 m AUGER REFUSAL -3 - 2.5 . 3 -1G - 3.5 -12 - 4.5 -16 5 -18 5.5 CLIENT: COVERNMENT OF YUKON 16 18 20 20 WET JAL HISHER HAVE THE COMPLITION DEPTH 2 m COMPLETE 12:00 87-03-10 EBA ENGINEERING CONSULTANTS LTD. LOGGED BY HAV DWG No.4653-10 WHITEHORSE YUKON

BOREPOIF No SHE6- 2 10201-4653 PROPOSED DAWSON AIRPORT SITES PRELATIVE ELLIPATION DOC(m) SILE 5 KLONDIKE HILLS DRIELING RIG: CMC 75 (NODWELL MOUNTED) DAWSON CITY, YUKON 旨 GRAB MCRREL CORE SAMPLE TYPE COMPRESSIVE STRENGTH  $\widehat{\mathbf{E}}$ 3) SUIL E 20 40 50 DESCRIPTION 40 50 (2) PEAT(Pt)-moss and organic root mat GRAVEL(GM)-some ailt, trace sond (Colluvium) coarse-grained, angular, rough graveliagp—prodedidrytarey
BEDROCK—chlorite mica schiet with quartz .5 -2 veins; weathered -auger refusal, move rig 2.0 m and - 1 attempt to drill -1.5- 6 END OF BOREHOLE 1.9 m VERY SLOW PROGRESS DUE TO AUGERS GRINDING - 2. ON BEDROCK Ĉ - 2.5 - 3 -10 - 3.5 **H12** - 4 4,5 -16 - 5 18 - 5.5 18 18 20 22 #03 UNT WEST NI/m 3 20 40 CLIENT: GOVERNMENT OF YUKON COMPLETION DEPTH 1.8 or COMPLETE 11:25 87-03-10 EBA ENGINEERING CONSULTANTS LTD. LOCKED BY MAY UMG No.4653-11 WHITEHORSE YUKON

PROPOSED DAWGON AIRPORT SITES BOREHOLL No. SITE6-3 | 0201-4653 RELATIVE ELEVATION D (m) SITE 6 KLONDIKE HILLS DAWSON CITY, YUKON DRILLING RIG: CME 75 (NODWELL MOUNTED) 冒 CRAB III CRREL CORE SAMPLE TYPE COMPHESSIVE STRENGTH  $\widehat{\varepsilon}$ SOIL DEPTH E (1457K co-matrix) Land DESCRIPTION 20 40 60 80 PEAT(Pt)-moss and organic root mot BEDROCK-chlorite mice schist with quartzite;buff weathered;easy drilling - .5 -harder drilling - 1 -harder drilling noted at 1.4 m - 1.5 -easier drilling noted between 1.8 m ana 2.4 m - 2 -harder drilling noted at 2.4 m - 2.5 -schist - 3 END OF BOREHOLE 3.0 m -10 - 3.5 -12 -14 4.5 -16 5 -18 5.5 CLIENT: GOVERNMENT OF YUKON 16 18 20 22 WET UNIT WEIGHT JUN/01 3 COMPLETE 10:30 87-03-10 COMPLETION DEPTH 3 m EBA ENGINEERING CONSULTANTS LTD. LOGGED BY MAY DWC No.4653-12 WHITEHORSE YUKON

POREHOLE No. 51150-4 | 0201-4653 PROPER DAWGEN AIRPORT SHES RELATIME ELEVATION O (III) THE 6 KLONDIKE HILLS DRILLING RIG: CMT. 75 (NODWELL MOUNTED) DARSON CITY, YUKON 冒 GRAB MCRREL. CORE  $\boxtimes$ SAMPLE TYPE COMPRESSIVE STRENGTH  $\widehat{\mathbf{E}}$ SOIL CHIEF CONTENT(k) DESCRIPTION 40 60 60 PFAT(Pt)-moss and organic root mat BEDROCK-biotite schist; highly buff weathered; soft and friable -smooth.easy drilling - .5 - 1 - 1.5 -6 - 2 -8 2.5 - 3 -10 -rock becoming more competent, drilling becomes harder - 3.5 -12 END OF BOREHOLE 3.7 m AUGER REFUSAL - 4.5 -16 5 1-18 - 5.5 16 18 20 22 WET ONE WEIGHT KN/m 3 CLIENT: GOVERNMENT OF YUKON 40 COMPLETON DEPTH 3.7 m COMPLETE 12:45 87-03-10 EBA ENGINEERING CONSULTANTS LTD. WHITEHORSE YUKON LOGGED BY MAY DWG No.4653-13

SOIL  DESCRIPTION  PEAT(Pt)-mass and organic root mot SILT(ML)-some sand, trace to some gravel, trace clay BEDROCK-chlorite biotite schist; puff weathered; soft and triople -easy drilling between 0.3 m to 4.3 m		G PU	RAB		LAR.	CRRE UQU 80	l T∞		]co	RE	NGT	Ħ
PEAT(Pt)-mass and organic root met SILT(ML)-some send, trace to some gravel. trace clay BEDROCK-chlorite biotite schist; puff weathered; soft and frioble -easy drilling between 0.3 m ta 4.3 m	SAMPL	27										•
PEAT(Pt)-mass and organic root met SILT(ML)-some send, trace to some gravel. trace clay BEDROCK-chlorite biotite schist; puff weathered; soft and frioble -easy drilling between 0.3 m ta 4.3 m		-									y	
BEDROCK-chlorite biotite schiet; puff weathered; soft and frioble -easy drilling between 0.3 m to 4.3 m	-2	-		1 1	7	╏╌┦╾╁	41	11		11		
	! 1	-							11		+	
	-4	<u> </u>										
1.5												
2	-6	;										
2.5	-6	3										<u> </u>
3 <b>3 3 3 3 3 3 3 3 3 3</b>	<u></u>	10										
- 3.5												
		12									 	+
-drilling becomes harder	-	14									-	+
- 4.5		16									+	+
- 5		-								$\prod$	+	
END OF BOREHOLE 5.3 m AUGER REFUSAL		-18									+	-
CLIENT: GOVERNMENT OF YUKON		<del></del>		6 1	3 2	0 22 NA/M	<u> </u>	20	40	60	<u>_</u>	В

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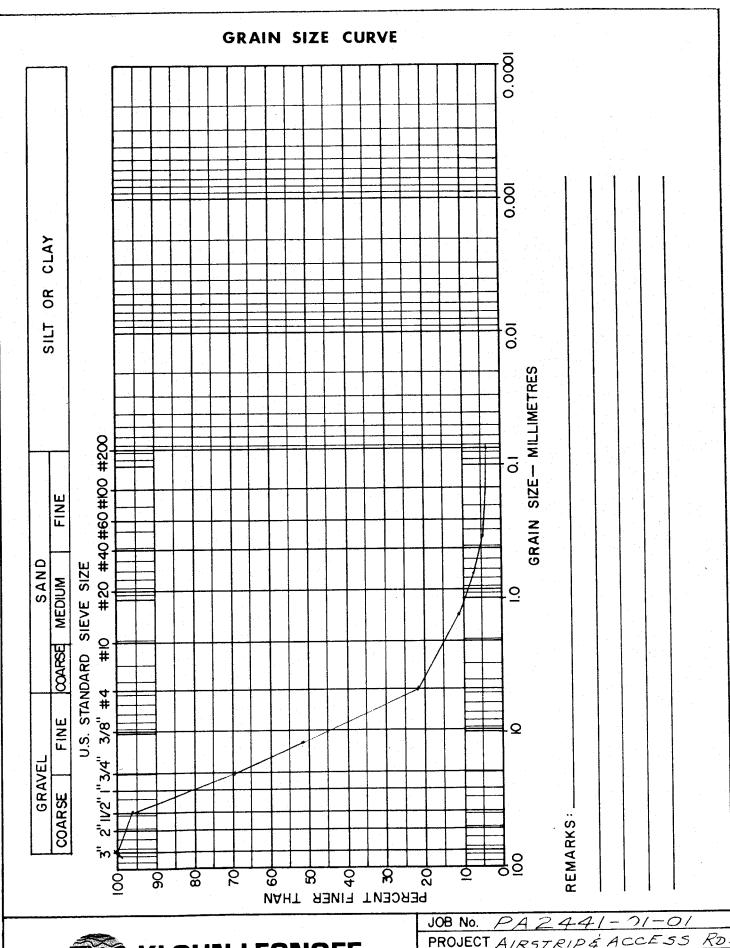
PROPUSED DAWSON AIRPORT SITES BOREHOLE No. SITEG-6 0201-4653 SITE & KLONDIKE HILLS RELATIVE ELEVATION (m) DAWSON CITY, YUKON DRILLING RIG: CAST 75 (NODWELL MOUNTED) X SAMPLE TYPE 冒 GRAB ORREL. CORE COMPRESSIVE STRENCTH  $\widehat{\boldsymbol{\varepsilon}}$ SOIL SAMPLE PDEPTH CEPTH PHASIC CONTENTAL DESCRIPTION 20 40 66 80 PFAT(Pt)—mass and organic root mat BEDROCK—froatured, weathered rock at surface -chlorite biotite schiat with - .5 quartzite competent rock hard drilling -2 END OF BOREHOLE 0.6 m AUGER REFUSAL - 1 NOTE:Two attempts were made to drill past 0.6 m. - 1.5 6 - 2 - 2.5 -8 -3 -10 - 3.5 12 4 4.5 -16 - 5 - 5.5 -18 CLIENT: GOVERNMENT OF YUKON 16 18 20 22 20 40 WET UNT WORKT WI/m 3 הו פו אוייםט אסתדבום COMPLETION DEPTH .6 m EBA ENGINEERING CONSULTANTS LTD. WHITEHORSE YUKON COMPLETE 14:25 87-03-10 LOCGED BY NAV DWG No.4653-15

PROPOSED DAWSON AIRPORT SITES BOREHOLE No. SITE5-7 | 0201-4653 RELATIVE ELEVATION 0 (m) SITE 6 KLONDIKE HILLS DRILLING RIG: CME 75 (NODWELL MOUNTED) DAWSON CITY, YUKON  $\boxtimes$ SAMPLE TYPE **国 GRAB** COMPRESSIVE STRENGTH Ê SOIL DEPTH PASTIC CONTAINS DESCRIPTION 20 40 60 80 GRAVEL(GM)-silty,some sand to sandy (Colluvium) angular to subangular, rough gravel; with quartz gravel - .5 particles disemminated throughout;damp;olive brown -2 BEDROCK-highly weathered quartzite; saft and friable; with iron oxide etoining - 1.5 -6 2 -8 - 2.5 -easy drilling - 3 -10 - 3.5 12 4.5 -16 - 5 END OF BOREHOLE 5.3 m FISHTAIL BIT LOST DOWNHOLE -18 - 5.5 CUENT: GOVERNMENT OF YUKON 16 18 20 22 20 WET UNT WEIGHT KN/m 3 COMPLETE 15:10 87-03-10 COMPLETION DEPTH 5.2 m EBA ENGINEERING CONSULTANTS LTD. LOCCED BY MAY DWG No.4653-16 WHITEHORSE YUKON

BOREHOLE No. SHE6-8 | 0201-4653 PROPOSED DAWSON AIRPORT SITES RELATIVE ELEVATION (m) SITE 6 KLONDIKE HILLS DAWSON CITY, YUKON DRILLING RIG: CME 75 (NODWELL MOUNTED) M []]CRREL SAMPLE TYPE 目 GRAB CORE COMPRESSIVE STRENGTH SAMPLE SOIL PDEPTH HO DO DANTES CONTONIA) UCHA DESCRIPTION 20 40 80 80 PFAT(Pt)—moss and organic rect mat GRAVEL(GM)—silty, some sand to sandy (Colluvium)

BEDROCK—highly weathered quartzite;
soft and friable;iron oxide - .5 staining throughout -2 - 1 -easy drilling - 1.5 - 6 2 2.5 - 3 -10 - 3.5 -12 4.5 END OF BOREHOLE 4.5 m -16 - 5 -18 - 5.5 16 18 20 22 WET UNIT WEICHT WI/m 3 CLIENT: COVERNMENT OF YUKON 40 COMPLETION DEPTH 5.2 m COMPLETE 15:45 87-03-10 EBA ENGINEERING CONSULTANTS LTD. LOCCED BY MAY DWG No.4653-17 WHITEHORSE YUKON

APPENDIX III Laboratory Test Data





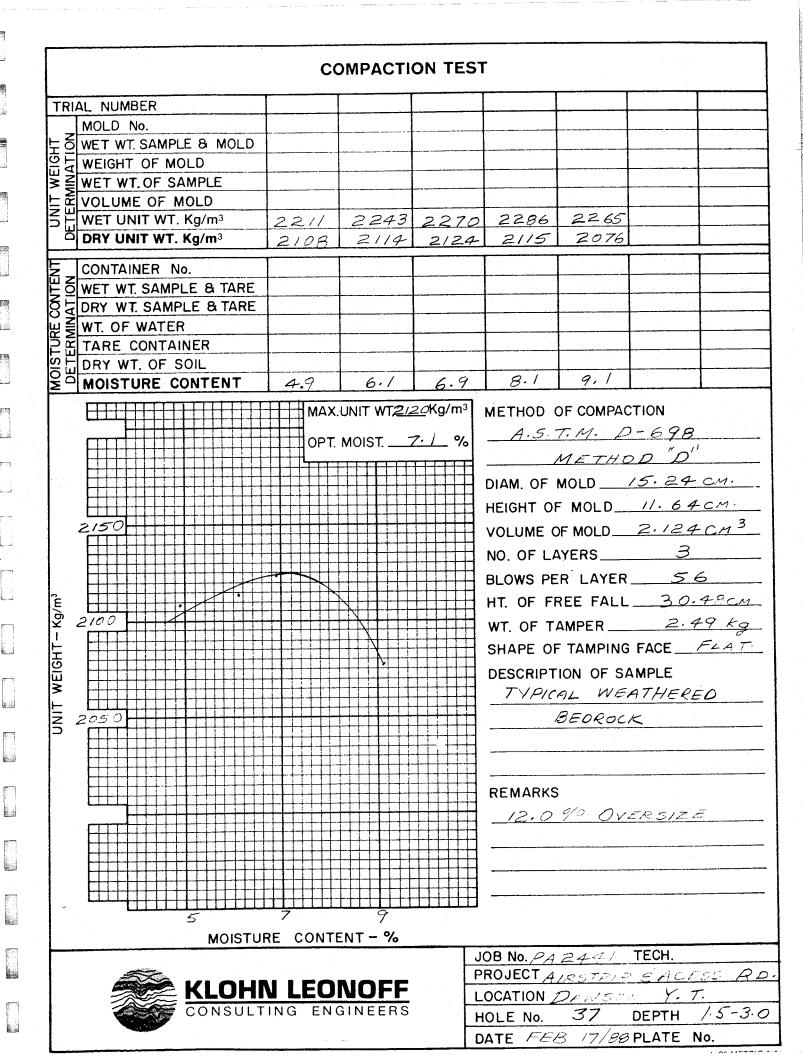
JOB No. PA2441-01-01

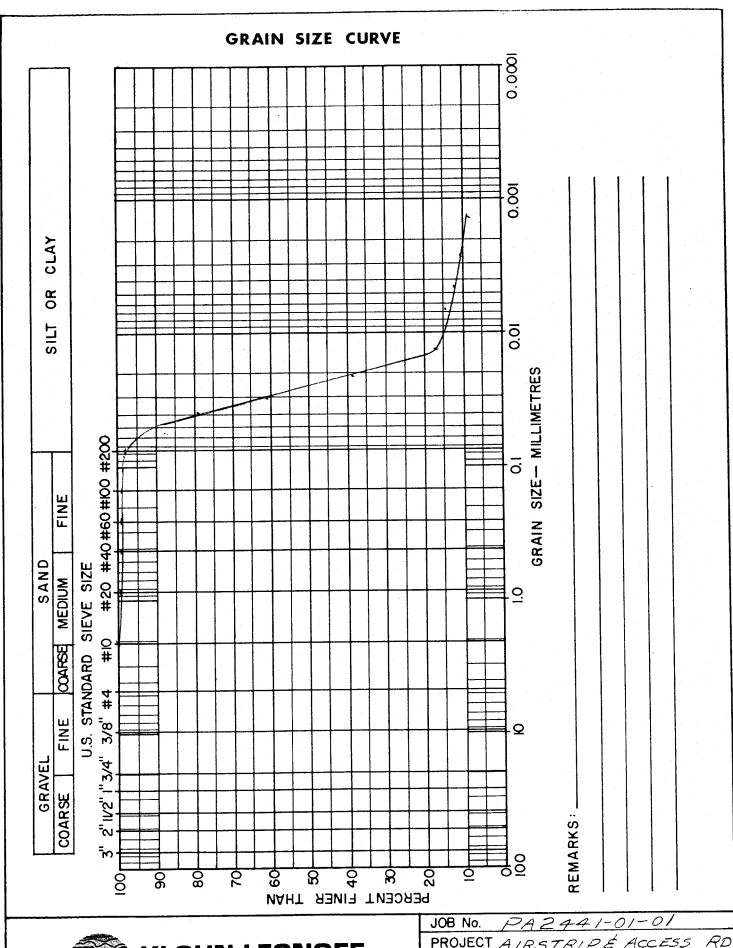
PROJECT AIRSTRIP & ACCESS RD.

LOCATION DAWSON Y.T.

HOLE No. 73 DEPTH 1.5-3.0

DATE FEB 17/88







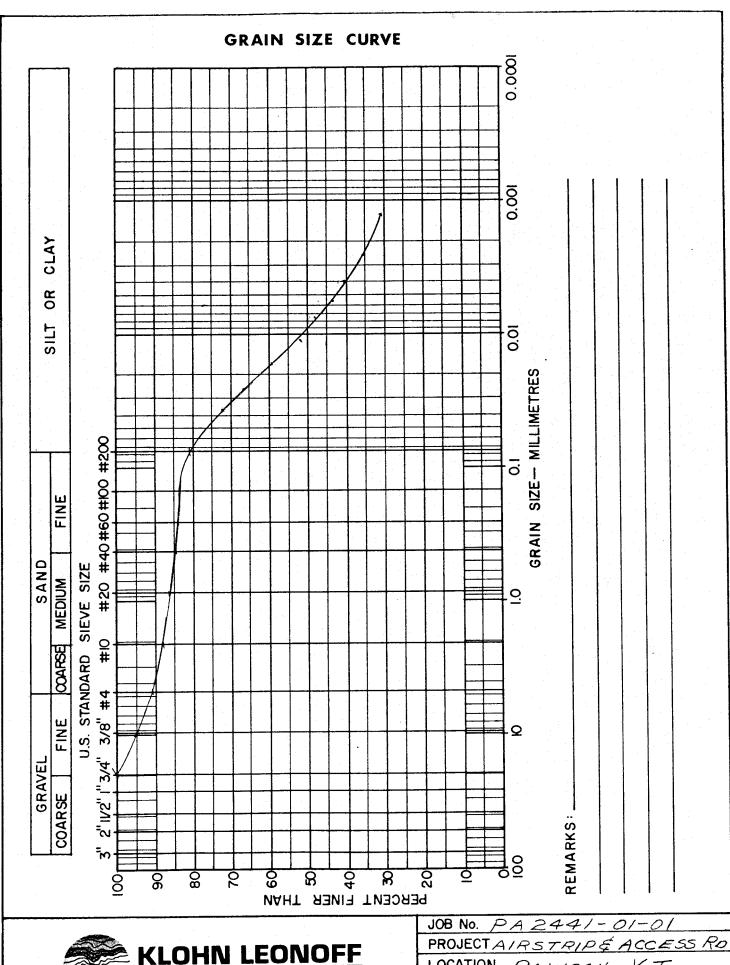
JOB No. PA2441-01-01

PROJECT AIRSTRIPÉ ACCESS RD.

LOCATION DAWSON Y.T.

HOLE No. 79 DEPTH 3.0-4.5M.

DATE FEB 17/88





LOCATION DEPTH 1.5-3.0M. HOLE No.

DATE FEB 17/88

## ATTERBERG LIMITS LIQUID LIMIT TRIAL No. 26 No. OF BLOWS 25 CONTAINER No. AL-12 AL-43 50.35 WET WT. SOIL & CONTAINER 50.40 DRY WT. SOIL & CONTAINER 42.53 42.62 WEIGHT OF MOISTURE 7.73 7.87 WEIGHT OF CONTAINER 17.28 16.95 WEIGHT OF DRY SOIL 25.3 4 25.58 MOISTURE CONTENT 30.5 30.0 PLASTIC LIMIT TRIAL No. AL-39 CONTAINER No. AL-10 22.16 WET WT. SOIL & CONTAINER 21.82 21.52 DRY WT. OF SOIL&CONTAINER 21.16 0.64 WEIGHT OF MOISTURE 0.66 17.57 WEIGHT OF CONTAINER 17.43 WEIGHT OF DRY SOIL 373 3.95 MOISTURE CONTENT 16.2 SUMMARY LIQUID LIMIT 30.8 PLASTIC LIMIT 16.9 PLASTIC INDEX 1 3.9 DESCRIPTION OF SAMPLE MOISTURE CONTENT CI. REMARKS NUMBER OF BLOWS



JOB No. PA2441-01-0 IECH. p. J. Z.

PROJECT Dawson Quelings

LOCATION

HOLE No. TH #82 DEPTH 1.5-3.0

DATE FEB 17/88 PLATE No. SATIZ

