Diamond Drill Record

COLLAR:	Not Surveyed
NORTH	South 8,850
EAST	17,550
ELEVATION	
LOGGED BY	R. G. Hilker
DATE LOGGED	November 17,1971
MAP REFERENCE NO.	

HOLE SURVEY		
FOOTAGE	AZIMUTH	DIP
Collar	090°	-60°
METHOD:		

COMPANY NAME Teslin Exploration Ltd.
PROPERTY NAME Carmacks South
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. 71-2
CLAIM NAME
COMMENCED
FINISHED
PROJECT NO.

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS
0	17		Overburden.					
17	27		Conglomerate - medium to coarse or large size pebbles, quartz sand size					
			grains and silicate cement, quartz pebbles and igneous material pebbles,					
			rock a medium grey color with dark green - black and grey colored					
			pebbles, core recovery is blocky with breakage around edges of larger					
			pebbles. Core recovery 17-27' - 10 ft.					
27	36.3		Sandstone - medium to coarse grained, soft, light, buff-grey color.					
			Mud-stone seam at 33' that is 0.5' thick.					
36.3	72.4		Siltstone/Mudstone Bands -					
			Siltstone in parts banded dark grey in medium grey colored rock - core					
			angle 75°; soft, silt sized particles, argillaceous and minor					
			carbonaceous.					
			Mudstone - soft black color, carbonaceous, argillaceous, broken and					
			grinding in parts.					
			1 ft. bed at 36.3 - 37.3'.					
			½ ft. bed at 45'.					
72.4	86		Mudstone - black color, argillaceous, carbonaceous, soft, broken and					
			ground in parts from drilling. Siltstone at 77' - ½ ft.					

Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME
PROPERTY NAME
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. 71-2
CLAIM NAME
COMMENCED
FINISHED
PROJECT NO.

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS
86	91.2		Sandstone - fine grained quartz with some silt size grains, medium uniform grey color, soft, fractures, thick bedded.					
91.2	98		Mudstone - black color, argillaceous, carbonaceous, broken. Polished black fracture faces that feel greasy and chloritic - slickenside faces at 92'. Very broken and soft. Some siltstone at 94'.					
98	103.5		Siltstone - banded, soft, fractures along bands, medium grey color, black colored bands - Core angle - 50°.					
103.5	113		Shale - more hard rock than previous mudstone, competent, more continuous core, black color, carbonaceous, argillaceous. In parts at 109' siltstone bands; silt sized quartz grains.					
113	128		Siltstone and in parts shale. Siltstone - argillaceous quartz silt grains, black color, banded, core angle - 130°. In parts hard black colored shale beds. Interbedded rock, no sharp dimension.					
128	141		Mudstone - soft, argillaceous, black color, carbonaceous. Friable at 138 - 138.5', polished slickensides.					
141	145.3		Sandstone - medium to coarse grained quartz grains, banded core angles, medium grey color.					
145.3	149		Siltstone - banded, silt sized quartz grains, argillaceous. Minor shale bands of black carbonaceous material. Slickensides at 147'. Core angle - 40°.					

Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME
PROPERTY NAME
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. 71-2
CLAIM NAME
COMMENCED
FINISHED
PROJECT NO.

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS
149	151		Shale - hard, black color, argillaceous, carbonaceous.					
151	154		Siltstone - banded, medium grey color, quartz grains and argillaceous.					
			Core angle - 60°. Minor shale band at 153'.					
154	172		Shale - in most parts broken and friable, short sections competent and					
			hard, slickensides - highly polished at 155.4 - 156.5' and at 162' -					
			nearly concoidal. Coal in appearance but argillaceous in composition.					
			Sandstone seam at 161.5'. Coaly rashings.					
172	174.8		Sandstone - fine grained, dark buff grey color, medium hard.					
174.8	190.5		Shale - friable and broken, black color, argillaceous, carbonaceous					
			polished slickensides throughout sandstone seam at 181.6-182.6'. Very					
			poor core recovery, ground core noted at 180.5'. Coaly rashings.					
			At 190' - coal seam - not possible to determine thickness (core recovery					
			between 182.6 and 190' is only 2'), quite possible the coal was					
			completely ground out. Estimated coal seam to be 2 - 4 feet thick. Coal					
			seam may be located 184.5 to 190.5'.					
190.5	192.3		Shale - black color, argillaceous.					
			At 192' - Coal seam - core angle - 55° - coal with shale wallrock.					
			0.3' of coal in corebox. (Core recovery between 192 and 194' is 1.3').					
			Possible width of seam is 1 foot.					

Diamond Drill Record

COLLAR:	HOLE SURVEY		
NORTH	FOOTAGE	AZIMUTH	DIP
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME
PROPERTY NAME
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. 71-2
CLAIM NAME
COMMENCED
FINISHED
PROJECT NO.

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS
192.3	195.6		Shale - black color, argillaceous, carbonaceous, polished black colored					
			slickensides, fairly hard and good core recovery.					
			At 195.6 - Coal seam - only 0.2' in thickness (core recovery about right					
			and no grinding evident). Coal shed.					
195.6	211.6		Shale - hard, competent black color, argillaceous, carbonaceous, in parts					
			black polished slickensides.					
			Poor core recovery, broken shale.					
211.6	212.7		Coal seam - appears to be 1 foot thick with all core recovered.					
212.7	237		Shale - competent hard, argillaceous, broken in parts, good core recovery,					
			carbonaceous. In parts some minor silt.					
237	239		Siltstone - banded, medium grey color with black colored bands.					
239	256.5		Shale - broken, in parts friable, black color, carbonaceous, argillaceous.					
256.5	263		Sandstone/siltstone - silt and sand sized grains quartz, in parts broken					
			where siltstone is prevalent.					
263	310		Shale - black color, argillaceous, carbonaceous, in parts polished black					
			colored slickensides, hard and heavy competent rock, good core recovery.					
			Some siltstone at 287-289' and at 295-296'.					
			T.D. 310'.					
			Note: from surface to last coal occurrences 0-211.7' the mudstone and					
			shale beds were fairly soft, below the last coal the beds were more competent					

Diamond Drill Record

COLLAR Not Surveyed.
NORTH South 8,850
EAST 17,550
ELEVATION
LOGGED BY M. P. Phillips
DATE LOGGED
MAP REFERENCE NO.

HOLE SURVEY		
FOOTAGE	AZIMUTH	DIP
Collar	090°	-60°
240'	-	-60°
METHOD: Acid		

COMPANY NAME Teslin Exploration Ltd.
PROPERTY NAME Carmacks South
DRILLING CONTRACTOR Caron Diamond Drilling
ASSAYER
PURPOSE OF HOLE

HOLE NO. 73-1
CLAIM NAME
COMMENCED October 14, 1973
FINISHED October 19, 1973
PROJECT NO.

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS
0	14.5		Overburden.					
14.5	28.5		Conglomerate - well packed, angular to subrounded pebbles up to 1" in a gritty, calcareous matrix. Pebbles chiefly white quartz and black chert.					
28.5	32.5		Sandstone - grey, medium grained, massive. Black chert speckled. Slightly calcareous and feldspathic.					
32.5	50.3		Mudstone - black, often weathered to a dark grey mud, with narrow bands of interlaminated siltstone and mudstone. Local coaly partings. Core angle at 34' = 70°, at 42' = 75°.					
50.3	96.5		Mudstone and siltstone - bands of black to grey mudstone and siltstone with bands of grey, fine-grained massive to cross-bedded sandstone. Coal partings and laminations common. 91.3 - 92.0' - carbonaceous shale grading into black shiny coal Core angle at 63' = 80°, at 82' = 60°.					
96.5	132.8		Siltstone - dark grey to black; massive. Often grades into bands of silty black mudstone. Local narrow bands of sandstone. Core angle at 111' = 50°, at 133' = 40°.					
132.8	166.1		Mudstone - black, massive; occasional narrow, poorly defined bands of siltstone. 163.0' - 4" coal. Core angle at 152' = 60°, at 166' = 60°.					

Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME
PROPERTY NAME
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. 73-1
CLAIM NAME
COMMENCED
FINISHED
PROJECT NO.

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS
166.1	171.9		Mudstone - black, massive. Numerous partings, lenses and narrow bands of coal.					
171.9	176.5		COAL.					
176.5	217.5		Mudstone - grey to black, with poorly defined dark grey, narrow siltstone bands and zones.					
217.5	218.3		COAL with mudstone partings.					
218.3	223.0		Mudstone (as 176.5 - 217.5').					
223.0	224.0		Mudstone with coal partings grading into a coal band.					
224.0	240.0		Mudstone - with bands of black siltstone and grey, fine grained bedded sandstone. Core angle at 236.5' = 70°.					
			T.D. 240.0'.					

Diamond Drill Record

COLLAR: Not Surveyed
NORTH 27,860
EAST 12,240
ELEVATION
LOGGED BY M. P. Phillips
DATE LOGGED
MAP REFERENCE NO.

HOLE SURVEY		
FOOTAGE	AZIMUTH	DIP
Collar	285°	-50°
METHOD:		

COMPANY NAME Teslin Exploration Ltd.
PROPERTY NAME Carmacks North
DRILLING CONTRACTOR Caron Diamond Drilling
ASSAYER
PURPOSE OF HOLE

HOLE NO. 73-2
CLAIM NAME
COMMENCED October 21, 1973
FINISHED October 25, 1973
PROJECT NO.

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS
0	10.0		Overburden.					
10.0	18.5		Conglomerate - well to loosely packed, subangular to subrounded pebbles up to 1". Pebbles black, brown and green. Black chert-speckled calcareous grit matrix.					
18.5	32.0		Mudstone - black to dark brown, highly fractured and broken, with coal partings common. Core angle at 22' = 10°.					
32.0	42.0		Andesite - light green, fine grained, with fragments and lenses of coal. (N.B. This looks like light brown sandstone to me. R.P.H.)					
42.0	51.0		Sandstone - grey, fine-grained with black laminations common, and narrow bands of mudstone with coal partings. Core angle at 46' = 0°.					
51.0	60.0		Sandstone - light grey, fine to medium grained, clean, massive, occasional mudstone fragments, coal partings common. Core angle at 54' = 10°, at 60' = 10°.					
60.0	92.0		Mudstone - black, highly weathered and decomposed, minor coal and carbonaceous shale partings. Core angle at 65' = 10-20°, at 80' = 10-20°.					
92.0	119.0		Mudstone - black, massive, khaki-colored along fractures and bedding planes, partings and lenses up to ½" thick of black shiny coal. Core angle at 107' = 10-20°. 99.5-107.0' - slightly silty.					

Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME
PROPERTY NAME
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. 73-2
CLAIM NAME
COMMENCED
FINISHED
PROJECT NO.

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS
119.0	126.5		Siltstone - dark grey to black, shaly. Often grading into narrow,					
			poorly defined bands of very fine grained sandstone. Rare carbonaceous					
			shale and coal partings. Core angle at 122' = 10°.					
126.5	130.4		Mudstone - black and dark grey, interbedded and interlaminated.					
130.4	144.4		Conglomerate - well packed, pebbles up to ½", subangular to subrounded.					
			Pebbles of black and light brown chert and white quartz. Calcareous					
			grit matrix. Core angle at 144.4' = 20°.					
144.4	153.0		Mudstone - black to dark grey, slightly silty, minor silt partings.					
			Core angle at 150' = 20°.					
153.0	157.0		Conglomerate.					
157.0	162.0		Grit - yellow, feldspathic, black chert speckled; scattered subrounded					
			subangular pebbles up to 1". Core angle at 162' = 20°.					
162.0	165.5		Siltstone - black to dark grey, grading into a black mudstone.					
165.5	178.0		Conglomerate - often grading into a pebbly feldspathic grit.					
178.0	180.0		Black sand (?fault).					
180.0	181.5		Conglomerate.					
181.5	187.0		Mudstone - black to dark grey, often silty, occasional narrow bands of					
			siltstone. Core angle at 185' = 25°.					
187.0	204.0		Siltstone - partings and laminations of mudstone becoming common towards					
			bottom contact. Rare partings of coal. Core angle at 193' = 35°, at 204	= 20°.				

Diamond Drill Record

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME
PROPERTY NAME
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

HOLE NO. 73-2
CLAIM NAME
COMMENCED
FINISHED
PROJECT NO.

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS
204.0	220.5		Sandstone - dark grey, very fine grained with numerous narrow bands, partings and laminations of black siltstone and mudstone. Core angle at 210' = 20°.					
220.5	236.0		Mudstone - black with narrow silty bands and partings. Core angle at 236' = 20°.					
236.0	240.0		Grit - dark blue. Numerous ¼" pebbles (locally up to 1"), and loosely packed conglomerate bands.					
240.0	252.5		Conglomerate - loose to well packed, with occasional narrow pebbly blue grit bands 245.0 - 252.5'. Partings and lenses of coal and carbonaceous shale common.					
252.5	262.0		Grit. 252.5 - 255.5' - lenses and bands up to ½" of coal. T.D. 262'.					

Diamond Drill Record

PAGE 1 OF 1

COLLAR: Not surveyed.	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH 27,860			
EAST 12,240	Collar	-	-90°
ELEVATION			
LOGGED BY M. P. Phillips			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME Teslin Exploration Ltd.
PROPERTY NAME Carmacks North
DRILLING CONTRACTOR Caron Diamond Drilling
ASSAYER
PURPOSE OF HOLE

HOLE NO. 73-3
CLAIM NAME
COMMENCED October 25, 1973
FINISHED October 25, 1973
PROJECT NO.

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS
0	3.0		Overburden.					
3.0	15.0		Tantalus Conglomerate - Core angle at 7' = 45°.					
			T.D. 15'.					