MAP NO.:
105 K 1

ASSESSMENT REPORT X
PROSPECTUS
CONFIDENTIAL
OPEN FILE

DOCUMENT NO: 092905
MINING DISTRICT: WATSON LAKE
TYPE OF WORK: DIAMOND DRILLING

REPORT FILED UNDER: DU PONT OF CANADA EXPLORATION LIMITED

DATE PERFORMED: AUGUST, 1977

DATE FILED: OCT. 31, 1977

LOCATION: LAT.: 62°03'N

LONG.: 132°14'W

AREA: ROSS RIVER

VALUE $:

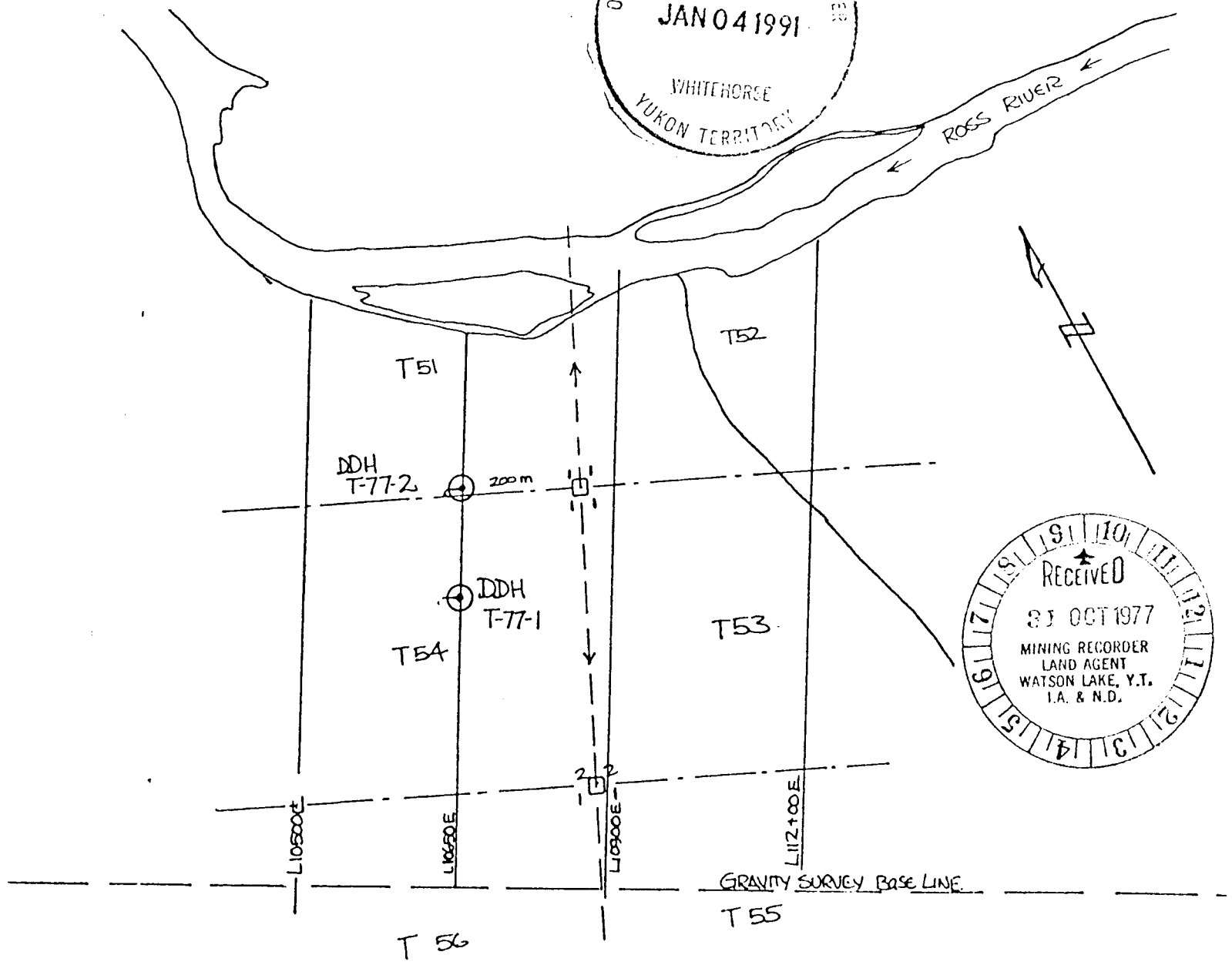
CLAIM NAME & NO.: T 54, 51

WORK DONE BY: K A MACLEAN

WORK DONE FOR: DU PONT OF CANADA EXPLORATION LIMITED

DATE TO GOOD STANDING:

REMARKS: These drill logs are complete for the two holes T77-1 and T77-2. Results were poor in these two holes with the best intersection being 6.15% Pb, 5.95% Zn over 0.42 feet in the first hole. Other assays returned less than 1% on both elements.



Du Pont of Canada Exploration

TENAS PROJECT

Location of Drill holes

October 1977 KTINACL.

300m 200m 100m 0 300m

scale. 1:10000

DU PONT OF CANADA EXPLORATION LIMITED

TENAS PROJECT

LOGS OF DRILL HOLES T-77-1 AND 2

T54 AND T51 CLAIMS

October 27, 1977

DIAMOND DRILL HOLE RECORD

DRILLED BY: Arctic Diamond Drilling Ltd. Runners: R.Gagne & J.Berry Helpers: N.Grimley & J.Bayer
HOLE NUMBER: T 77-1 LENGTH: 227 m
LOCATION: Claim T 54 DIP: 90°
LATITUDE: 4+80N DEPARTURE: 10650E
ELEVATION: 794.93 m AZIMUTH:
HOLE STARTED: August 9/77 HOLE COMPLETED: August 13/77

ACID &/OR TRO-PARI TESTS

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
No tests					

SHEET No. 1 OF: 10
HOLE NUMBER: T 77-1
PROPERTY: Tenas JV
ACCOUNT No.: 326-04-16
CORE SIZE: BQ
% CORE RECOVERY: 100
LOGGED BY: K.A. MacLean

INTERVAL (METRES) FROM	TO	WIDTH	RCVRY	DESCRIPTION	SAMPLE NUMBER	% SULFIDES	FOOTAGE FROM	TO	WIDTH	RCVRY	ASSAYS
0.00	3.66	3.66		Overburden, fine sand, stickup 0.51 m							
3.66	5.03	1.37		Andesite, medium grn,f.g., foliated 75°, occasional small black specks, SG @ 3.7 = 3.0							
5.03	5.67	0.64		Carbonate shear zone @ low angles, 0-15°							
5.67	6.55	0.88		Andesite, common light buff fine mineral in foliation, 45°							
6.55	7.16	0.61		Andesite, m.g., medium green, vague fragmental shapes, occasional white carbonate stringers to 1 cm @ 30°. Fragments 1 cm across S.G. @ 7.0 = 2.9							
7.16	8.53	1.37		Breccia zone, rusty buff carbonate, occasionally vuggy & some vugs contain transparent quartz crystals S.G. @ 7.3 = 2.7							
8.53	8.87	0.34		Andesite, as at 6.55-7.16, with light alteration mineral							
8.87	9.42	0.55		Breccia zone, andesitic, angular fragments, cts @ 45°.							
9.47	9.45	0.3		Breccia zone, continued, angular fragments grey and white quartz in earthy, locally limonitized matrix.							
9.45	10.12	0.7		Breccia zone, fragments of intermediate comp sometimes show chloritic and epidote alteration, 5-10% py & po SG @ 9.8 = 2.8							
10.12	13.72	3.6		Andesite, medium purple-green and black, 1 mm splotches alteration 60°, SG @ 13.1 = 2.7							

DIAMOND DRILL HOLE RECORD

HOLE NUMBER: T 77-1 SHEET NUMBER 2 OF 10

FOOTAGE				DESCRIPTION	SAMPLE						ASSAYS				
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE FROM	FOOTAGE TO	WIDTH	RCVRY					
13.72	14.23	0.51		Quartz vein zone, numerous milky quartz veins and offshoot vein-											
				lets to 0.5 cm, occasional fine fracture fillings py & po, 5%.											
14.23	15.39	1.16		Andesite, medium grn, foliated @ 65°, 1 cm band po @ 14.39,											
				altered.											
15.39	17.68	2.29		Andesite breccia, disjointed large breccia fragments, slightly											
				crackled appearance, occasional crosscutting fracture fillings											
				carbonate, one 2 cm band py & po @ 17.22. SG 2.6 @ 16.5											
17.68	19.20	1.52		Breccia, contact zone, 5 cm wide box fragments of andesite in											
				soft yellow green matrix, loc.muddy gouge Lct. @ 70°. SG 2.2 @											
				18.3											
19.20	29.57	10.37		Phyllitic, predominantly grey fg siliceous stripes, creamy vfg											
				quartz feldspar bands and green chloritic stripes 2-4 mm wide.											
				Partings generally greasy to touch, angles 70-75°, small drags											
				20.5, SG 2.6 @ 21.3, 2.7 @ 24.4, 3.4 @ 27.4 (last is probably											
				a weighing error).											
29.57	38.25	8.68		Phyllite, medium-dark grey, siliceous, talcose partings, locally											
				crenulated and occasional small dragfold as @ 33.22, occasional											
				2 cm white quartz band with specks po as @ 33.52, 37.79 occasio-											
				nal 2 mm conformable po band as @ 36.21 SG @ 30.5 = 2.6, @											
				33.5 = 2.8 @ 36.6 = 2.9.											
38.25	48.16	9.91		Phyllite, thinly laminated, (up to 5 mm thick beds), light and											
				dark grey tones, crenulated partings, rare small 2 mm bands											
				conformable dark brown po, angles 75-78°, SG @ 39.6 = 3.1,											
				42.7 = 2.7, 45.7 = 2.7.											

DIAMOND DRILL HOLE RECORD

HOLE NUMBER: T 77-1 SHEET NUMBER 3 OF 10

FOOTAGE				DESCRIPTION	SAMPLE						ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE FROM	FOOTAGE TO	FOOTAGE WIDTH	FOOTAGE RCVRY						
48.16	50.75	2.59		Phyllite, as to 48.16, occasional green tuffaceous band to 2 cm, partings not as strongly crenulated, 78°.												
50.75	51.36	0.61		Quartz-carbonate vein, white, prominent twinning planes on calcite, some phyllite zenoliths.												
51.36	54.25	2.89		Phyllite, medium to dark grey bed tones, numerous small 2 mm fracture fillings carbonate @ 80°. SG @ 51.8 = 3.0												
54.25	57.30	3.05		Phyllite, dark grey numerous carbonate fracture fillings and occasional quartz ff at random angles, occasional muddy greasy shear zones to 2 cm. SG @ 54.9 = 2.8.												
57.30	60.05	2.75		Phyllite, thinly laminated, bedding @ 80-90°, beds locally dislocated by crosscutting carbonate filled fractures 1 mm wide, SG @ 57.9 = 2.7.												
60.25	65.23	4.98		Phyllite, thinly bedded green and grey beds to 5 mm thick, occasional conf white quartz bands containing blotches po @ 61.7, 62.18, 64.31, angles 65-70°, SG 61.0 = 27, 64.0 = 2.7												
65.23	65.84	0.61		Phyllite, grey, cherty, 7 sharply defined white quartz bands with 25% calcite crystals and vague blobby texture, contacts @ 60°.												
65.84	67.97	2.13		Phyllite, light green and dark grey, occasional greenish tuffaceous band SG @ 67.0 = 2.7												
67.97	70.56	2.59		Phyllite, thinly bedded, mostly light grey and green beds, possible cross-bedding at 70 shows tops up. SG @ 70.1 = 2.7												
70.56	72.24	1.68		Phyllite, thick and thin beds, occasional quartz vein to 1.5 cm												
72.24	73.0	0.76		Tuff, int, medium grn fg, fine black mottling, bleached @ 72.69												

DIAMOND DRILL HOLE RECORD

HOLE NUMBER: T 77-1 SHEET NUMBER 4 OF 10

FOOTAGE FROM	FOOTAGE TO	FOOTAGE WIDTH	FOOTAGE RCVRY	DESCRIPTION	SAMPLE NUMBER	SAMPLE % SULFIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE WIDTH	SAMPLE FOOTAGE RCVRY	ASSAYS Cu	ASSAYS Pb	ASSAYS Zn	ASSAYS Au	ASSAYS Ag
73.0	73.76	0.76		Quartz vein, white, massive, lower contact @ 66°											
73.76	73.91	0.15		Tuff, int, as @ 72.24-73.0, 5% disseminated po											
73.91	74.22	0.31		Tuff, int, 10-20% disseminated po, SG @ 74.1 = 2.7											
74.22	74.49	0.27		Tuff, int, 5% disseminated po	3191		73.76	74.49	0.73	100	0.03	0.01	0.01		
74.49	74.68	0.19		Quartz vein, white with xenoliths andesite at upper contact,											
				several ragged 2 cm blebs po.											
74.68	75.47	0.79		Tuff, andesitic, foliated, fold axes @ 75.09, 75.03, lower											
				contact @ 55°.											
75.47	76.51	1.04		Phyllite, very fine grained grey and green banded, fold axes											
				@ 75.95, 76.20, 76.81, SG @76.2 = 2.6											
76.51	82.91	6.40		Phyllite, thinly bedded, distinct colour banding as usual											
				SG @ 79.3 = 2.5, 82.3 = 2.6											
82.91	83.52	0.61		Phyllite, 0.5 cm fracture filling carbonate along core											
83.52	86.36	2.84		Phyllite, dark grey, thick beds, a few green grey and white											
				beds some bleached beds, fold axes 84.43, 84.88, SG @ 85.3 = 2.6											
86.36	91.81	5.45		Tuff, andesitic, fine grained, foliated, small black specks,											
				disseminated po in foliation, SG @ 88.4 = 2.8, @ 91.4 = 3.1											
91.81	94.18	2.37		Phyllite, light grey, thinly laminated, some pinkish brown											
				beds, 78° SG @ 93.3 = 2.7											
94.18	96.99	2.81		Phyllite, black and grey, loc num quartz veins to 1 cm,											
				occasional green tuff? Beds slightly crackled appearance,											
				SG @ 94.5 = 2.5											
96.99	97.54	0.55		Phyllite, greenish, crumpled thin bedding, SG @ 97.2 = 2.7, @											
				97.5 = 2.7											
97.54	99.21	1.67		Phyllite, soft argillaceous, possibly some graphite, very											

DIAMOND DRILL HOLE RECORD

HOLE NUMBER: T 77-1 SHEET NUMBER 5 OF 10

FOOTAGE FROM	FOOTAGE TO	FOOTAGE WIDTH	FOOTAGE RCVRY	DESCRIPTION	SAMPLE NUMBER	SAMPLE % SULFIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE WIDTH	SAMPLE FOOTAGE RCVRY	ASSAYS Cu	ASSAYS Pb	ASSAYS Zn	ASSAYS Au	ASSAYS Ag
				thinly laminated po along some partings and in 1 cm light green											
				tuff beds, 80°											
99.21	100.28	1.07		Fault zone, talcy gouge, contacts 40°											
100.28	106.68	6.40		Phyllite, black & green, thinly laminted, occasional 2 mm po											
				band, 5% sulphides 78° @ 103.02, healed fine bx zone 12 cm wide											
				@ 103.63, SG @ 100.6 = 2.7, 103.5 = 2.6											
106.68	107.53	0.85		Rhyolite? Slightly crackled, bleached brown to light green,											
				minor ragged po part of matrix.											
107.53	108.33	0.80		Breccia, dark, dark black subrounded frags in dark brown											
				matrix, some fine grained po at end of entry. SG @ 108.1 = 2.6											
108.33	112.81	4.48		Phyllite, alternating fine dark green and light green beds											
				1-2 mm wide, beds locally contorted and kinked, angles genera-											
				lly 70°, SG @ 109.7 = 3.0, 112.8 = 2.5											
112.81	113.23	0.42		Massive sulphide, 90% coarse galena, sphalerite and po with											
				angular carb white frags and dark grey frags to 5 mm upper											
				contact indistinct but appears conformable, lower contact											
				graditional into ragged disseminations into contorted											
				greenish matrix SG @ 113.0 = 3.8	3192	85	112.81	113.23	0.42	100%	0.08	6.15	5.95	<0.002	2.97
113.23	113.54	0.31		Phyllite, alternating fine dark green and light green beds											
				1-2 mm thick, moderately contorted, fracture fillings and											
				occasional disseminated medium brown po with some galena											
				and sphalerite, trace cp 35% sulphide	3193	35	113.23	113.54	0.21	100	0.04	0.58	0.48	<0.002	0.27
113.54	114.36	0.82		Phyllite, alternating green and dark grey thinly laminated,											
				75-80°, sharp conformable lower contact, 5-10% po.											

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DIAMOND DRILL HOLE RECORD

HOLE NUMBER: T 77-1 SHEET NUMBER 6 OF 10

FOOTAGE				DESCRIPTION	SAMPLE						ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE FROM	TO	WIDTH	RCVRY						
114.36	115.95	1.59		Phyllite, argillaceous, slightly crackled, locally contorted												
				especially at upper contact where bedding angles go 70°-0°-45°-												
				70° in 0.3 m, minor disseminated po and small fracture fillings,												
				5% sulphide.												
115.95	115.98	0.03		Phyllite, green & grey, 2 cm light brown po patch at uct, 25%												
115.98	116.74	0.76		Phyllite, very thinly laminated green & dark grey, bedding												
				locally contorted.												
116.94	119.12	2.38		Tuff, intermediate, green, soft, mg, vague foliation, L ct @												
				70°, 2 cm white quartz, vein @ ct SG @ 117.7 = 2.7 @ 118.9 = 2.8												
119.12	119.76	0.64		Phyllite, argillaceous, black & soft, sly crackled, vague fol-												
				iation												
119.76	120.73	0.97		Tuff, green, f-mg, medium green occasionally sly bleached, occ												
				white quartz bands 2-4 cm, one at 120.2 has small ragged patches												
				po which are weakly magnetic.												
120.73	121.89	1.16		Phyllite, argillaceous black, occasional 1-4 cm white quartz												
				bands, sharp contact @ 70°												
121.89	125.12	3.22		Phyllite, dark grey, grn & light grey, irreg lamellae, occasional												
				band with green tuff with pulled and stretched fragments SG @												
				121.9 = 2.7, @ 125.0 = 2.6												
125.12	125.88	0.76		Phyllite, dark grey-black, occasional light beds to 2 mm, 10-15%												
				fine po, beds occasionally displaced 1-3 mm along fine fractures												
				occasional fine po in crosscutting fractures.												
125.88	127.10	1.22		Phyllite, black green & white, occasional 1-2 mm bands po &												
				rare patches po 2 mm brittle sediment deformation along												
				fractures to 1 mm												

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DIAMOND DRILL HOLE RECORD

HOLE NUMBER: T 77-1 SHEET NUMBER 7 OF 10

FOOTAGE FROM	FOOTAGE TO	FOOTAGE WIDTH	FOOTAGE RCVRY	DESCRIPTION	SAMPLE NUMBER	SAMPLE % SULFIDES	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE WIDTH	SAMPLE FOOTAGE RCVRY	ASSAYS
127.10	128.63	1.53		Phyllite, argillaceous, dark grey to black, occasional 1-2 mm white beds, occasional po bands to 2 mm, po also in white carb bands, SG @ 128.0 = 2.8							
128.63	130.15	1.52		Phyllite, argillaceous, dark grey to black, 6 1 mm-5 mm po bands + fine disseminated po, slick partings, 65%							
130.15	131.98	1.83		Phyllite, argillaceous, thin folia, occasional tremolitic green patch, core broken and blocky, lost water circulation at 130.45 SG @ 131.1 = 2.4							
131.98	132.74	0.76		Phyllite, argillaceous, predominantly black, sheared and bx'd, occasional carbonate and quartz patches and veins, occasional fracture filling and fine disseminated angular pyrite, po, 15%. One 10 cm band green tuff with fg rounded 0.5 mm patches pyrite @ 131.43. Core broken and blocky.							
132.74	138.01	5.27		Phyllite, argillaceous, black with occasional light grey bed, several bands and small patches po, 15% sulphides, fine fracts with 1 cm bleached aureole as @ 137.6. SG @ 134.1 = 2.9, 137.2 = 2.4							
138.01	139.60	1.59		Phyllite, argillaceous, numerous light grey and white beds, slight bleaching along occasional fractures, occasional fine grained po in 1 mm bands, also in 1 mm crosscutting fractures.							
139.60	143.26	3.66		Phyllite, cherty, black and light greenish white, 1-2 mm beds, 65° occasional fine po bands and crosscutting fracture fillings po 5%, SG 140.2 = 2.8							
143.26	150.25	6.99		Phyllite, argillaceous with occasional 1.5' cherty beds and occasional bleached zones along fractures. Kinked at 148.87,							

DIAMOND DRILL HOLE RECORD

HOLE NUMBER: T 77-1 SHEET NUMBER 8 OF 10

FOOTAGE				DESCRIPTION	SAMPLE						ASSAYS					
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE FROM	FOOTAGE TO	FOOTAGE WIDTH	FOOTAGE RCVRY						
				occasional po bands to 1 mm, SG @ 143.3 = 2.8, @ 146.3 = 2.8,												
				149.4 = 2.8												
150.25	171.08	20.83		Phyllite, cherty, black and white, occasional light green tuff												
				and black argill. bands to 15 cm, occasionally bleached at fine												
				fractures, angles generally 70°, 1 mm pyrite filled fracture												
				along core @ 166.87, occasional small patch po as @ 157.33,												
				157.21, 160.02, SG @ 152.4 = 2.8, @ 155.5 = 2.8, @ 158.5 = 2.8												
				@ 161.5 = 2.8, @ 164.6 = 3.0, @ 167.6 = 2.6, @ 170.7 = 2.8												
171.08	171.97	0.89		Phyllite, argillaceous, numerous green tuff bands to 3 cm												
171.97	176.48	4.51		Phyllite, cherty, black and white, locally thinly laminated,												
				70° greyish bands to 2 mm are carbonate, SG 173.7 = 2.5												
176.48	179.83	3.35		Phyllite, cherty, mainly dark grey and light grey, occasional												
				local numerous tuff bands, angles generally 70°, sheared @ 45°												
				178.55, SG 176.8 = 2.8												
179.83	181.66	1.83		Phyllite, argillaceous, dark grey to black, occasional grey												
				cherty bands, 15 cm, graphite shear zone @ 590.4, occasional												
				carb filled fractures crosscutting the bedding, occasional												
				1 mm band po, as @ 180.28, SG 179.8 = 2.7												
181.66	184.83	3.17		Phyllite, graphitic, highly schistose @ 45° in argillite, loc.												
				strong graphitic shears to 6 cm, eg 182.41, 184.15, 184.83,												
				occasional streaks po, bedding highly contorted disrupted and												
				sheared. SG 182.9 = 2.8												
184.83	188.98	4.15		Phyllite, predominantly cherty, with some argillaceous bands,												
				beds of varying thickness, occasional white carb beds, SG @												
				182.9 = 2.8, @ 185.9 = 2.8												

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DIAMOND DRILL HOLE RECORD

HOLE NUMBER: T 77-1 SHEET NUMBER 9 OF 10

FOOTAGE				DESCRIPTION	SAMPLE						ASSAYS				
							FOOTAGE								
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FROM	TO	WIDTH	RCVRY					
188.98	189.40	0.42		Quartz vein zone with disrupted green chloritic bands, crackled quartz, 10% po in fine fracture fillings, SG @ 189.0 = 2.8											
189.40	191.11	1.71		Phyllite, argillaceous, dark grey, uniformly thin-bedded and slightly contorted at 63°, occasional fine 0.01 mm pyrite beds, occasional 2 cm carb white bands.											
191.11	191.41	0.30		Shear zone, chlorite, quartz and carbonate, 20°											
191.41	199.03	7.62		Phyllite, cherty, grey and white beds and occasional dark grey argillaceous sections, occasion fg green tuff bed to 1 cm, angles generally 70°, SG @ 192.0 = 2.7, 195.0 = 2.4, 198.1 = 2.7											
199.03	200.38	1.35		Phyllite, argillaceous, occasional grey cherty beds and green tuff beds											
200.38	204.67	4.29		Tuff? Intermediate comp, mainly green chloritic schist with numerous bleached zones and irregular bedding colours, SG @ 201.2 = 2.9, 204.2 = 2.6											
204.67	206.20	1.53		Phyllite, argillitic, numerous light coloured feldspathic bands											
206.20	206.96	0.76		Sheared zone, quartz chlorite and white calcite, minor graphite, mainly argillite protolith											
206.96	208.18	1.22		Argillite, 6 white carbonate bands to 9 cm wide, occasional tuffaceous beds, some chloritic beds, occasional carbonate fracture fillings, SG 207.2 = 2.7											
208.18	209.70	1.52		Phyllite, tuffaceous with argillaceous bands and white-grey quartz-feldspar bands to 2 cm.											
209.70	212.90	3.20		Phyllite, tuffaceous, numerous green tuffaceous beds, 7-10 white quartz bands to 2 cm, occasional biotite rich bands, angles generally 70°, fold axis at 212.8, SG @ 210 = 2.7											

DIAMOND DRILL HOLE RECORD

HOLE NUMBER: T 77-1 SHEET NUMBER 10 OF 10

FOOTAGE				DESCRIPTION	SAMPLE						ASSAYS				
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FOOTAGE FROM	TO	WIDTH	RCVRY	Cu	Pb	Zn		
212.90	215.50	2.60		Tuffite, intermediate, medium grey green, medium grained,											
				foliated @ 45°, loc sheared & contorted, occasional white											
				20-50 cm quartz vein, SG 213.4 = 2.6											
215.50	219.15	3.65		Phyllite, argillaceous, black and dark grey bands and occasional											
				thinly bedded light coloured cherty material, SG @ 216.4 = 3.0											
219.15	219.52	0.37		Phyllite, tuffaceous and cherty, 75°, SG @ 219.5 = 2.5											
219.52	222.35	2.83		Metavolcanic? mg homogeneous medium brown, feldspathic appear-	3194	5	219.5	220.97	1.52	100%	<0.01	0.03	0.02		
				ance, vaguely foliated, minor disseminated po.	3195	5	220.97	222.35	1.37	100%	0.01	0.01	0.01		
222.35	224.03	1.68		Metavolcanic, as above except coarser grained, greenish, occ	3196	10-15	222.35	224.03	1.68	100%	0.03	0.01	<0.01		
				feldspar rich band to 30 cm, 10-15% f-mg po and py											
224.03	225.86	1.83		Metavolcanic, as above but still more coarsely grained, occ po	3197		224.03	224.86	0.83	100%	0.01	0.01	0.01		
				concentration of disseminated grains, SG @ 225.5 = 2.5	3198		224.86	225.85	0.99	100%	0.02	0.01	<0.01		
225.86	227.37	1.51	0	Lost core - core barrel did not lock, 1.51 m of core dropped back											
				down hole.											
227.37				Foot of hole.											
				Notes:											
				Material left in hole											
				12 x 2' BW Casing - BW Casing shoe											

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REACTION TO Ca AND K STAINING PROCEDURES

DDH T-77-1

Depth (metres)	Specimen	Ca	K	Comments
3.96	13	++	-	50% light minerals, weakly calcic.
7.01	23	+	+	20% weakly calcic, 10% weakly potassic.
7.31	24		++	2 largely potassic fractures in breccia.
9.75	32	+	+	30% weakly calcic and 10% weakly potassic, calcite matrix and fractures.
13.10	43	++	+	30% weakly calcic, calcic and magnesic fractures.
16.46	54	+	+	Altered, 20% calcic, fractures calcic and magnesic.
18.29	60	+	+	50% calcic matrix, potassic alteration strong.
21.34	70	+	-	Fine magnesic carbonate filled fractures.
24.34	80	+	-	Fine calcic and magnesic fractures, rare calcic bed.
24.35	80A	++	-	(short) strongly calcic fractures, 30% calcic minerals in beds.
27.43	90	+	-	Magnesic carbonate in light beds.
30.48	100	++	+	20% calcic beds, 10% potassic, rare potassic alteration in fractures.
33.53	110	++	+	20% calcic beds, 10% potassic, possibly alteration.
36.58	120	+	+	10% calcic mineral in selected beds, 10% potassic.
39.62	130	++	++	25% calcic beds, 10% potassic beds.
42.67	140	++	++	25% calcic beds, 15% strongly potassic beds.
42.69	140A	+++	+++	40% calcic beds, 40% potassic.
45.71	150	++	+	40% thin calcic beds, 10% potassic in 2 mm beds.
51.80	170	++	+	25% 5 to 2 mm calcic beds, 10% potassic in rare beds.
57.9	190			Etched carbonate fractures, very pale calcic strain.
60.96	200	+	+	15% calcic beds, 10% potassic in occ. beds, etched weakly calcic beds.
64.01	210	+		15% calcic beds to 2 mm, magnesic 3 mm wide beds.
67.05	220	++	+	25% calcic 1 mm beds, weak potassic in occ. fractures, occ. magnesic fractures.
70.10	230	++		25% calcic beds, 0.25-1 mm.
73.10	240	++		50% weakly calcic, in foliation.
74.06	243	++		30% weakly calcic beds.
76.20	250	++		40% weakly calcic beds.
79.25	260	+++	++	30% weakly calcic beds, 20% potassic, magnesic cross fractures.
82.29	270	+++	++	30% weakly calcic beds, 20% potassic 1 mm magnesic cross fractures.
85.34	280	++	-	20% weakly calcic beds, calcic cross fractures.
88.39	290	+++	-	30% weakly calcic indistinct beds.
91.44	300	+++	-	30% weakly calcic pervasive
93.27	306	+++	-	30% thin calcic beds.
94.49	310	+++	-	30% thin calcic beds.
97.23	319	+	-	10% thin calcic beds.
97.53	320	++	++	20% thin calcic beds, 10% potassic in many of same beds.
100.58	330	+	++	10% thin calcic beds, occ. calcic fracture fillings, 20% potassic beds

Depth (metres)	Specimen	Ca	K	Comments
103.50	339.5	+	+	15% calcic in 5 mm beds, 10% potassic in same beds, and along .5 mm fracts.
106.68	350	+++	++	25% calcic in 0.5 mm-1 mm beds, 15% potassic in 5 mm groups of 1 mm beds.
108.05	354.5	++	-	15% extremely fine beds in fragments, magnesic matrix, calcite 1 mm fract.
109.74	360	++	-	10% calcic 1 mm beds and fold crests, calcic and magnesic 1 mm fractures.
115.82	380	+	-	Calcic 2 mm fracture.
117.65	390	+	-	Calcic 1 mm fracture.
124.96	410	+	-	Calcic 1 mm cross fracture.
131.06	430	+	-	Calcic 0.25 and 1 mm fractures.
140.20	460	+	-	Very fine calcic fracture.
143.25	470	-	-	Irregular calcic patches
146.30	480	+	-	Irregular calcic patches in 4 mm fracture, with quartz.
149.34	490	++	-	25% calcic in a few beds to 1 mm, and in patches in a 2 cm bed.
152.40	500	+	-	10% calcic in two irregular beds which are etched.
155.44	510	++	-	30% calcic etched beds and very fine cross fractures in unetched bed.
158.49	520	+	-	Irregular calcite patch in middle of a patch of po.
161.54	530	+	-	10% in a 2 mm calcite rich bed.
164.59	540	+	-	Calcite rich bed group 1 cm wide, and with conformable fine po patches.
167.64	550	+++	-	30% calcite rich beds, etched and stained in 1 cm groups.
170.68	560	+	-	10% calcite rich beds, fine cross fractures.
170.99	561	-	-	Volcanic section, no stain reaction.
173.73	570	+	-	Prominent etched and stained calcite rich 1 cm bed, smaller calcic beds.
176.78	580	+	-	1 mm etched and stained calcic beds.
176.79	580A	++	-	2 mm etched and stained calcic beds and numerous fine fractures.
179.83	590	+	-	Deeply etched 1 mm bed, relatively unstained.
179.84	590A	+++	-	30% occasionally etched and stained beds, fine stained cross fractures.
182.87	600	+	-	Calcite patches along jumbled foliation throughout.
185.92	610	+	-	2 mm calcic beds.
188.97	620	+	-	Weak calcic fractures.
192.02	630	++	-	Fine calcic beds and cross fracture fillings to 1 mm.
195.07	640	++	-	25% calcic beds to 2 mm, some are etched.
201.16	660	+	-	15% calcite rich 2 mm beds.
204.21	670	+	-	10% calcite rich fine beds.
207.25	680	+	-	1 mm fine calcite.
210.31	690	++	-	15% calcic beds, occ calcite in 0.5 mm cross fractures.
213.35	700	+	-	Mainly white quartz, 1 mm irreg. calcite patches.
216.40	710	++	-	Calcite fracture fillings.
219.45	720	+	-	Magnesic carbonate band with 15% calcite, fine calcite cross fracture

Depth (metres)	Specimen	Ca	K	Comments
222.50	730	+	-	Calcite in cross fractures.
225.55	740			20% weak calcic pervasive and in fine cross fractures.
225.85	746			20% weak calcic throughout and in fine cross fractures.

DRILL HOLE RECORD

DU PONT OF CANADA EXPLORATION LIMITED

DRILLED BY: Arctic Diamond Drilling Ltd. Runners: J.Berry & N.Grimley Helpers: H. Sask & J. Bayer

DRILL TYPE: BBS-1 Hydraulic LENGTH: 227.37 m

CLAIM: T 51 DIP: 90°

LATITUDE: 6+55 m N DEPARTURE: 10650E

ELEVATION: 757.33 m AZIMUTH:

HOLE STARTED: August 16, 1977 HOLE COMPLETED: August 21, 1977

ACID &/OR TRO-PARI TESTS					
DEPTH	DIP	AZIMUTH	DEPTH	DIP	AZIMUTH

SHEET No.1 OF: 7

HOLE NUMBER: T-77-2

PROPERTY: T Claims

ACCOUNT No.: 326-04

CORE SIZE: BQWL

% CORE RECOVERY: 100

LOGGED BY: K.A. MACLEAN

INTERVAL (METRES)				DESCRIPTION	SAMPLE						ASSAYS
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	INTERVAL (METRES) FROM	TO	WIDTH	RCVRY	
0.0				Collar							
0.0	9.14	9.14		NW casing and shoe							
0.0	13.4	13.4		BW casing and shoe							
13.4				Start of core							
13.4	19.66	6.26	100%	Phyllite, occ 5 cm bands argillaceous biotitic, occ 5-10mm green							
				tuff bands, some bleaching in white 40 mm beds, angles 60-65°.							
				Good carbonate reaction to HCl in light coloured beds and in							
				some 30 mm white carbonate veins. Fold axes at 15.24 and 15.48							
				SG @ 13.5 = 2.78, 15.24 = 2.82, 18.29 = 2.79.							
19.66	21.34	1.68	100%	Phyllite, biotite, argillite, dark grey to black with a pre-							
				ponderance of dark bands and a few 5 mm white beds, 2 mm po							
				str, conformable at 68.8, SG @ 21.33 = 2.77, 24.38 = 2.80							
21.34	29.63	8.29	100%	Phyllite, cherty, num light coloured beds, irregular thicknesses,							
				locally contorted, several are carbonate rich, angles 65°,							
				narrow po strs and beds @ 22.40, 22.92, 23.10, 23.35, 25.05,							
				25.54, 26.09, crosscutting carb fracts @ 10° nearly 90° to							
				bedding are common, 15 cm carbs quartz healed shear @ 22.19							

DRILL HOLE RECORD

DU PONT OF CANADA EXPLORATION LIMITED

HOLE NUMBER: T-77-2 SHEET NUMBER 2 OF 7

INTERVAL (METRES)				DESCRIPTION	SAMPLE						ASSAYS				
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	INTERVAL (METRES) FROM	TO	WIDTH	RCVRY					
				SG @ 27.43 = 2.82											
29.63	31.82	2.19	100%	Phyllite, cherty 50 cm white quartz filled fracture @ 10-20° to											
				core axis, bedding is juggled, slightly displaced and healed,											
				SG @ 30.48 = 2.78.											
31.82	35.84	4.02	100%	Phyllite, about equal amounts of cherty feldspathic and argillite											
				bands, SG @ 33.53 = 2.84											
35.84	37.67	1.83	100%	Phyllite, 75-80% white chert beds, 20% brown biotite rich beds											
				a few 2 mm po beds, SG @ 36.58 = 2.80											
37.67	45.26	7.59	100%	Phyllite, argillaceous, occ 3 mm white & grey bands, 68° occ											
				crosscutting fractures with 1 mm po strs as @ 44.28, SG @											
				39.62 = 2.90, @ 42.67 = 2.72											
45.26	46.69	1.43	100%	Phyllite, fine brown biotite in the beds in this interval,											
				SG @ 45.72 = 2.82											
46.69	49.53	2.84	100%	Phyllite, cherty, minor argillite and biotite rich beds, loc											
				numerous carbonate rich bands, SG @ 48.76 = 2.85											
49.53	52.91	3.38	100%	Phyllite, cherty, light grey, occ thin dark argillaceous beds,											
				occ 2 mm po strs as @ 51.72, 53.24, SG @ 48.76 = 2.85											
52.91	53.80	0.89	100%	Dyke, volcanic, med olive green, fg, occ 2 mm dark phenos,											
				upper ct @ 30°, 90° to bedding, lower ct irregular with xenoliths											
				cherty phyllite, SG @ 53.03 = 2.73											
53.80	55.32	1.52	100%	Phyllite, very thinly laminated alternating black and light grey											
				carbonate rich bands, 70° SG @ 54.86 = 2.85											
55.32	58.15	2.83	100%	Phyllite, argillaceous, 70°; SG @ 57.91 = 2.74											

DRILL HOLE RECORD

DU PONT OF CANADA EXPLORATION LIMITED

HOLE NUMBER: T-77-2 SHEET NUMBER 3 OF 7

INTERVAL (METRES)				DESCRIPTION	SAMPLE						ASSAYS
							INTERVAL (METRES)				
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FROM	TO	WIDTH	RCVRY	
58.15	59.83	1.68	100%	Sheared zone, white quartz filling, contact @ 58°							
59.83	61.32	1.49	100%	Phyllite, cherty very thinly laminated SG @ 60.96 = 2.86							
61.32	64.3	2.98	100%	Phyllite, argillaceous, calcareous irreg bed widths, some							
				bleached beds, SG @ 64.01 = 2.80							
64.3	66.75	2.45	100%	Phyllite, black and light grey about equal, 70°							
66.75	92.66	25.91	100%	Phyllite, calcareous mainly thin bedded, cherty, mainly light							
				grey, SG @ 67.05 = 2.82, 70.1 = 2.84, 73.15 = 2.81, 76.20 = 2.85,							
				79.25 = 2.83, 82.29 = 2.85, 85.34 = 2.87, 88.39 = 2.83, 91.44 =							
				2.90 and 2.82							
92.66	100.88	8.22	100%	Phyllite, argillaceous, biotitic 95.40-96.92, occ 2 mm po bed							
				as @ 96.6, SG @ 94.48 = 2.82, 97.53 = 2.80, 100.58 = 2.79							
100.88	102.56	1.68	100%	Phyllite, graphitic, locally contorted, very thin bedded, 77°							
				SG @ 101.34 = 2.71							
102.56	105.76	3.2	100%	Phyllite, argillaceous, occ light grey bands, fine dissem sulps							
				along foliation, 10%, SG @ 103.62 = 2.75							
105.76	109.72	3.96	100%	Phyllite 2/3 light coloured beds, remainder argillaceous, SG @							
				106.68 = 2.85, 109.72 = 2.81							
109.72	113.38	3.66	100%	Phyllite, 50% argillaceous, occ green epidote rich beds, SG @							
				112.77 = 2.81							
113.38	114.14	0.76	100%	White carbonate vein crosscutting @ 20°, xenoliths phyllite @							
				lower contact 1-2 cm dia, offshoots of vein for next 60 cm							
114.14	114.54	0.40	100%	Phyllite, bedding locally displaced along calcite veinlets							
114.54	118.53	3.99	100%	Intrusive gabbro porphyry, massive, fine grained green ground-							
				mass with white carb (pos.HCl test) and dark porphyroblasts							

DRILL HOLE RECORD

DU PONT OF CANADA EXPLORATION LIMITED

HOLE NUMBER: T-77-2 SHEET NUMBER 4 OF 7

INTERVAL (METRES)				DESCRIPTION	SAMPLE						ASSAYS				
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	INTERVAL (METRES) FROM	TO	WIDTH	RCVRY					
				occ 2 mm white carb veins, upper contact irregular, lower ct											
				seems sharp @ 85° not excessively chilled at contacts SG @											
				115.82 = 2.74, 116.42 = 2.71											
118.53	121.31	2.78	100%	Phyllite cherty, greenish yellow cast, occ biotite, 30 cm shear											
				zone with 50 mm white carb, crosscutting, chlorite and minor											
				graphite, 48° @ 119.17, SG @ 118.87 = 2.83											
121.31	121.49	0.18	100%	White carbonate and quartz vein, 20°, crosscutting											
121.49	122.37	0.88		Intrusive gabbro porphyry dyke, as @ 118.53, SG @ 121.92 = 2.74											
122.37	128.01	5.64	100%	Phyllite, argillaceous, 70% dark, occ conformable 50 mm quartz											
				carbonate vein, local biotite rich bands, SG @ 124.96 = 2.83,											
				127.77 = 2.79											
128.01	133.80	5.79	100%	Phyllite, argillaceous and cherty, 60° dark, biotitic bands,											
				SG @ 130.08 = 2.78, 130.76 = 2.82											
133.80	135.63	1.83	100%	Intrusive gabbro porphyry, but few dark porphyroblasts, some											
				fine py on fracture faces, generally massive, upper contact											
				sharp but irregular @ 35°, lower contact @ 28°, sharp but											
				irregular, 133.50 = 2.85, 134.11 = 2.71											
135.63	138.37	2.74	100%	Phyllite, cherty and argillaceous beds, about equal dark and											
				light tones, about 50% of light bands give positive HCl test,											
				9 cm gabbro ppy dyke with irregular contacts, SG @ 137.16 = 2.87											
138.37	139.08	0.71	100%	Intrusive gabbro porphyry, white phenocrysts and occ dark											
				phenocrysts, sharp upper contact @ 60°, irregular lower contact											
				at 70°											

DGI. 77.3

DRILL HOLE RECORD

DU PONT OF CANADA EXPLORATION LIMITED

HOLE NUMBER: T-77-2 SHEET NUMBER 5 OF 7

INTERVAL (METRES)				DESCRIPTION	SAMPLE						ASSAYS				
							INTERVAL (METRES)								
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FROM	TO	WIDTH	RCVRY					
139.08	144.17	5.09	100%	Phyllite, biotitic, occ thinly laminated white cherty bands,											
				angles generally 75°, about equal dark and light tones with											
				irregular thicknesses, SG @ 140.2 = 2.85, 143.25 = 2.88											
144.17	147.82	3.65	100%	Cherty volcanic tuff, green and light green paisley pattern,											
				SG @ 146.30 = 2.91											
147.82	156.60	8.78	100%	Metavolcanic, tuff, andesitic, black flecked, occ vague bleached											
				sections, fairly massive, occ specks po, one 2 cm zone massive											
				po @ 149.56, SG 149.35 = 2.99, 152.40 = 3.01, 155.4 = 2.82											
156.60	162.88	6.28	100%	Phyllite, argillaceous, occ biotite rich bands, no light coloured											
				beds, fairly homogeneous with vague bedding. No carbonate.											
				SG @ 158.5 = 2.74, 161.53 = 2.79											
162.88	163.31	0.43	100%	Metavolcanic, green fine grained andesitic tuff											
163.31	167.02	3.71	100%	Metavolcanic, andesite tuff, black flecks sparsely disseminated											
				throughout, vague foliation, a few light coloured quartz of											
				feldspar rich bands, SG @ 164.58 = 3.04											
167.02	168.55	1.53	100%	Metavolcanic, rhyolite tuff?, mg, foliated, mainly light to med											
				grey mottled, a few crosscutting fracture fillings po, SG @											
				167.63 = 2.98											
168.55	170.99	2.44	100%	Metavolcanic, andesite tuff, fg, med to light green, black flecks											
170.99	173.02	2.03	100%	Metavolcanic, med green, compositional banding fine and coarse											
				grained tuffaceous material, 68°. Massive tuff 172.2 = 172.79											
173.02	174.19	1.17	100%	Phyllite, cherty, with chloritic bands, occ biotite rich bands,											
				occ light green thin beds, SG @ 173.73 = 2.74											

DRILL HOLE RECORD

DU PONT OF CANADA EXPLORATION LIMITED

HOLE NUMBER: T-77-2 SHEET NUMBER 6 OF 7

INTERVAL (METRES)				DESCRIPTION	SAMPLE						ASSAYS
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	INTERVAL (METRES) FROM	TO	WIDTH	RCVRY	
174.19	175.62	1.43	100%	Metavolcanic, med green and andesitic tuff, vague foliation, sharp upper and lower contact at 70°							
175.62	182.87	7.25	100%	Phyllite, argillaceous, mainly dark bands, 75-77°, 7 mm bed thickness, SG @ 176.78 = 2.83, 179.83 = 2.75, 182.87 = 2.89							
182.87	187.14	4.27	100%	Phyllite, argillaceous, mainly dark grey, occ 2 cm pale green buff chloritic bands, SG @ 185.92 = 2.98, 186.83 = 2.87							
187.14	195.37	8.23	100%	Phyllite, about equal light and dark grey tones, occ biotite rich bands occ bleached along fractures for 2 mm, occ light green cherty tuff beds, SG @ 188.97 = 2.86, 192.01 = 2.84, 195.07 = 2.88							
195.37	197.20	1.83	100%	Metavolcanic, andesitic, dark green massive, vague foliation at 75°, occ lighter green 2 cm bands,							
197.20	198.42	1.22	100%	Phyllite, argillaceous with occ light grey cherty beds to 10 mm, SG @ 198.11 = 2.87							
198.42	198.88	0.46	100%	Metavolcanic mainly green tuff beds, occ black argillaceous bed							
198.88	203.75	4.87	100%	Metavolcanic, tuffaceous andesite, med-light green grey, massive small black and dark green flecks, occ conformable 1 mm po bed specks and ragged patches po in 2 cm tuffaceous bands @ 198.66 30 mm chlor shear @ 202.99, SG @ 201.16 = 3.02							
203.75	204.91	1.16		Phyllite, mixture of light grey & white cherty beds, occ light green chloritic beds, occ 2 cm carb white bands, SG @ 204.20 = 2.96							

DDH. 77.8

DRILL HOLE RECORD

DU PONT OF CANADA EXPLORATION LIMITED

HOLE NUMBER: T-77-2 SHEET NUMBER 7 OF 7

INTERVAL (METRES) FROM	TO	WIDTH	RCVRY	DESCRIPTION	SAMPLE NUMBER	% SULFIDES	INTERVAL (METRES) FROM	TO	WIDTH	RCVRY	ASSAYS
204.91	206.95	2.04		Metavolc, green andesite tuff with occ discontinuous lamellae							
				dark brown biotite? occ sml fract fillings po, SG @ 205.89 =							
				2.98							
206.95	209.39	2.44		Phyllite, multicoloured green, light grey white and purple, occ							
				biotite rich bands occ sheared @ 45° and healed with some							
				bleaching, SG @ 205.26 = 2.98							
209.39	210.64	1.25		Metavolcanic, mainly light green mottled volcanic tuff or chlor-							
				itic phyllite, SG @ 210.31 = 2.72, @ 210.9 = 2.86							
210.64	211.83	1.19		Tuff, med to light green, jumbled light coloured fragments							
211.83	212.13	0.30		Tuff, light bleached cherty dense off white, sheared at lower							
				contact, SG @ 211.89 = 2.80							
212.13	217.01	4.88		Phyllite, cherty with 30% argillaceous bands, tuffaceous light							
				bands @ 75° occ biotitic, occ carb veinlets, SG @ 213.35 =							
				2.79, @ 216.40 = 2.80							
217.01	227.37	10.36		Phyllite, about equal cherty light coloured beds and dark							
				argillaceous beds, occ quartz vein to 2 cm, occ small shear po							
				locally biotitic 70°, SG @ 219.45 = 2.85, 222.19 = 2.83, 225.5 =							
				2.86, 227.37 = 2.88							
227.37				FOOT OF HOLE							
				Notes: Material left in hole							
				13 x 2' BW Casing NW Casing Shoe # J4 2W 5771	CORE STORED IN BOXES 25 m EAST OF HOLE COLLAR						
				12 x 2' BW Casing BW Casing Shoe # J4 2W 2621							
				2 x 10' BW Casing - COST OF THESE ITEMS HAS BEEN PAID BY THE							
				JOINT VENTURE AND IS RECOVERABLE SHOULD THE HOLE BE DEEPENED.							

DDH. 77.3

STAINING REACTIONS AND SPECIFIC GRAVITY OF SPECIMENS

DDH T-77-2

Depth (Metres)	Specimen	Ca	K	Comments
12.65	41.5	+++	+	Ca strong, numerous thin contorted lamellae; K in 2 fine lamellae.
15.24	50	+	+	Ca light pink in broad beds, K strong in a few fine beds, strongly etched dolomitic beds.
18.29	60	+++	+	Ca strong in 35% of thin beds, K strong in 5% and in fine cross fractures.
21.33	70	+++	+	Ca strong in 40% of thin beds, K strong in 2 beds as fine disseminations.
24.38	80	+++	++	Ca strong in 30%, K strong in occasional fine beds 10%, strong etching of dolomitic beds.
27.43	90	+++	++	Ca strong in 35%, K in 10%, one 1 mm etched portion of a bed.
30.48	100	+	-	Ca medium in 30% of beds and in several cross fractures, No K.
33.53	110	+++	++	Thin alternating Ca and Na rich beds.
36.58	120	++	+	Ca strong in 25% of beds, K in 5%, 2 etched dolomitic beds to 2 mm.
39.62	130	++++	+	Ca very strong in thick beds, 80%, 2% K, etched dolomitic and calcitic 5 mm bed.
42.67	140	NS		
45.72	150	++	++	Ca strong in 25% of beds, K moderate in occasional beds, 15%, 2 etched beds and 1 crystal dolomite.
48.76	160	NS		
53.03	174	-	+	Pale K in matrix of fragmental section.
54.86	180	++	+++	Strong Ca in thin beds, 30% alternating with strong K 50%.
57.91	190	+	-	Weak Ca, 10%, Strongly etched but not stained beds, 35%.
60.96	200	+++	+++	Alternating strongly stained thin K and Ca beds, Ca strong in cross fractures.
64.01	210	+	-	Weak Ca, 2 deeply etched 3 mm beds.
67.05	220	+	++	Occasional strong Ca and K beds, 25% deeply etched dolomitic beds.
70.10	230	+++	++	Ca strong in 40% of thin beds, K strong in 20%.
76.20	250	+++	+++	Alternating Ca and K rich beds.
79.25	260	++	+	Ca moderate in broad beds, strong in thin beds, K strong in few occasional etched beds.
82.29	270	++	++	Ca strong in thin beds, K moderate in alterations, occasional etched 5 mm groups.
85.34	280	+++	++	Thin alternating beds, none etched.
88.39	290	++	+++	Thin alternating beds, one irregular 2 mm etched.
91.44	300A	++	++	Alternating Ca and K thin beds, etched 5 mm groups.
91.44	300	++	++	Ca moderate in groups, K moderate in group 1 cm groups etched.
94.48	310	+++	++	Ca strong to moderate in numerous thin beds, K same, occasional 2 mm groups etched.
97.53	320	++	+	Groups of Ca and K rich beds.
101.53	332.5	+	-	Argillaceous, pale Ca, rare etched section
100.58	330	++	++	Ca strong in occasional fine beds, K stron in a 1 cm group, one 2 mm etched beds.
103.62	340	++	-	Ca strong in occasional fine beds, argillaceous.
106.68	350	++	++	Ca strong in 1-1.5 cm groups, K more prominent in 1-1.5 cm lighter bands.
109.72	360	++	+	Ca strong in thin beds throughout, K in occasional fine beds, etched groups to 5 mm.
112.77	370	+	-	Ca in rare bed, etched disseminations in 5 mm group.
115.82	380	-	+	Weak K in matrix of fragmental.

Depth (Metres)	Specimen	Ca	K	Comments
116.42	382	-	+	Weak K in matrix of fragmental.
118.87	390	+++	+	Moderate Ca in fine beds, weak K in occasional beds, etching of irregular cross fracture.
121.92	400	+	-	Pale Ca throughout volcanic.
124.96	410	NS		
127.77	419.2	+++	++	Groups of strong Ca beds and finer K beds.
130.08	426.8	++	-	Moderate Ca in irregular beds.
130.75	429	+++	+	Strong Ca in thin beds throughout, occasional weak K, strong etched 4 mm groups.
133.50	438			
134.11	440	+	+	Pale Ca and K in matrix, etched pits throughout fragmental, some have Ca.
137.16	450	+++	+	Strong thick irregular beds Ca, rare weak fine K.
137.16	450	++	-	Ca in fine and broad irregular beds.
140.2	460	++	+	Ca in irregular beds, very weak K in dark section, strongly etched carbonate, no stain.
143.25	470	+++	-	Strong Ca stain in thin irregular beds.
146.30	480	+	-	Weak Ca stain in irregular sections "paisley".
149.35	490	+	-	Weak Ca stain, deeply etched irregular pits and patches.
152.40	500	+	-	Weak Ca stain throughout.
149.6	490.9	+	-	Weak to moderate Ca stain throughout.
155.4	510	+	-	Weak Ca stain throughout.
158.5	520	+	-	Very weak Ca stain throughout.
161.53	530	++	-	Weak general Ca stain, some distinct stronger stained beds.
164.58	540	+	-	Weak disjointed Ca staining along foliation.
167.63	550	+	-	Similar to 540, weak selective Ca stain.

Depth (Metres)	Specimen	Ca	K	Comments
170.99	561	+	-	Volcanic, weak pervasive Ca stain of selected grains.
173.73	570.5	++	-	Strong Ca stain in narrow beds, 25%, one strongly etched carbonate vein.
176.78	580	++	-	Selective Ca stain, certain 2-4 mm beds.
179.83	590	++	-	Weak Ca stain, 25% of beds.
182.87	600	+++	-	Strong Ca stain on certain partially etched beds, some 4 mm beds etched out but not stained.
185.92	610A	++	-	Selected beds Ca stained & borders of one tuffaceous bed, one 5 mm strongly etched bed.
185.92	610	++	-	Borders of light coloured beds, strongly Ca stained.
186.83	613	++	-	Selected thin beds and wide patchy beds strongly Ca stained.
188.97	620	+++	-	Strong Ca stain on 40% of the beds.
192.01	630	+++	+	Strong Ca staining of thin beds, weak K stain in alternating beds of some groups.
195.07	640	+++	-	Strong in calcite rich beds which are etched and which contain unstained carbonate.
198.11	650	+++	-	Strong Ca stain in thin beds.
210.16	660	+	-	Weak Ca stain of light elements.
204.20	670	+	-	Weak Ca stain in parts of certain beds.
205.89	675.5	-	-	No staining.
207.26	680	++	-	Weak pervasive Ca staining.
210.31	690	-	-	No staining.
210.9	692	+	-	Strongly etched and deeply Ca stained beds 10%.
211.89	695.2	+	-	Very weak Ca stain on selected minerals.
213.35	700	++	-	Strong Ca stain on several beds (25%) some of them are slightly etched.
216.40	710	++	-	Strong Ca stain on thin beds, 25%, eroded unstained white parts.

Depth (Metres)	Specimen	Ca	K	Comments
219.45	720	+	-	Ragged Ca stained patches also etched, hard dolomitic patches unstained.
222.19	729	++	-	Ragged 2 mm Ca stained beds.
225.5	740	+	-	Calcite fractures, strongly stained.
227.37	746	+	-	One 2 cm band where beds Ca stained.