42A01NE0206 28 TECK

Diamond Drilling

Township of TECK

Report Nº 28

Work performed by: Newmont Exploration Limited

Claim Nº	Hole Nº	Footage	Date	Note
L 495229	D-78-2	314 m	Nov/78	(1)
L 495228	D-78-3	353 m	Nov/78	(1)
L 500061	D-78-4	292 m	Dec/78	(1)
	D-78-5	260 m	Dec/78	(1)
L 495238	D-78-7	151.5 m	Dec/78	(1)
		1370.5 m		

Notes:

(1) #100 & 101-1979

NEWMONT MINING CORP. OF CAN. LTD. Toronto, Ontario

4.6m - 50
50.0m - 49°
100.0m - 47°
150.0m - 46°
200.0m - 46°
250.0m - 36°
300.0m - 29°
314.0m - 28°

PROPERTY Duffy
LOCATION Teck Twp. Ont.
DATE DRILLED November 1978
LOG SCALE 1"=10m. **LOGGED BY** J. Ritchison **DATE** Nov. 1978

HOLE NO. D78-2 **TOTAL DEPTH** 314m.
COLLAR ELEV. **CORE SIZE** NQ **INCLINATION TESTS**
BEARING 345° **MAG. OR TRUE DIP** -50°
CO-ORDINATES 100+20. **N** 127+60 **E**
SURFACE ✓ **OR UNDERGROUND**
TOTAL RECOVERY

footage interval	ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	footage blocks	% recovery	sample no.	interval from	interval to	Assays
2.3								
4.0	Green Carbonate - fuchsitic and grey carb. mixed - massive	scattered quartz vein						
	Sediments - mixed sericitic, argillitic, carbonaceous and graphitic beds	- bedding moderately developed -1% pyrite to 5% in graphitic sediments - bedding 70-80° c.a.			3601	2.6	4.0	NIL
					02	4.0	5.5	"
					03	5.5	7.0	20
10.0	10.0m.				04	7.0	8.5	NIL
	Breccia - highly carbonate rich - may be disrupted sediments or highly altered fault zone	trace pyrite buggy locally 16.5 fault zone			3605	8.5	10.0	"
					06	10.0	11.5	"
					07	11.5	13.0	"
					08	13.0	14.5	"
					09	14.5	16.0	"
	20m.				3610	16.0	17.5	"
	gradational to sedimentary rocks as above				11	17.5	19.0	"
					12	19.0	20.5	"
23.5		Numerous quartz veins			13	20.5	22.0	"
	Sediments - as above - locally talc-carbonate interbeds	1-3% up to 10% in graphite highly graphitic			14	22.0	23.5	20
					3615	23.5	25.0	20
					16	25.0	26.5	30
	30m.				17	26.5	28.5	NIL
					18	28.5	30.0	35
					19	30.0	31.3	10
		Sol c.a. to 20° c.a.			3620	31.3	32.8	NIL
					21	32.8	34.2	"
		20% py - graphitic			22	34.2	35.5	"
		1% fine fracture graphitic 30% py trace py			23	35.5	37.0	10
					24	37.0	38.0	60
					3625	38.0	39.0	NIL
					26	39.0	39.7	"
					27	39.7	41.5	"
					28	41.5	42.0	"
					29	42.0	43.5	"
					3630	43.5	44.5	"
		Graphite 50% py			31	44.5	45.8	10
					32	45.8	46.2	110
40.3	50m.	Graphite			33	46.2	48.3	20
					34	48.3	49.5	20
					35	49.5	50.3	NIL
	Talc-carbonate - interbeds talc & carb. rich beds - highly deformed - locally chloritic	tr. py as cubes often ass'd calcite			37	50.3	51.9	"
					38	51.9	53.4	"
					39	53.4	55.0	"
					3640	55.0	56.5	"
					41	56.5	58.0	"
	60m.				42	58.0	59.5	"

NEWMONT MINING CORP. OF CANADA LTD.
PROPERTY Duffy
HOLE NO. D28-2 **LOG SCALE** 1" = 10.0m.

footage interval	ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	footage blocks	% recovery	sample no.	interval from	interval to	Assays
	Talc-carbonate schist	bedding disrupted trace pyrite as 1 cm cubes			3643	59.5	61.0	Nil
					44	61.0	62.5	"
					45	62.5	64.0	"
					46	64.0	65.5	"
					47	65.5	67.0	"
					48	67.0	68.5	"
	70m.				49	68.7	70.0	"
		Py increases as approach contact.			3650	70.0	71.5	"
74.0					51	71.5	73.0	"
					52	73.0	74.0	"
	Sediments - as above with graphite and green carb	bedding disrupted locally			53	74.0	75.2	"
		20% Py in graphitic seds			54	75.2	76.5	30
		1-3% overall			3655	76.5	78.0	Nil
	80m.				56	78.0	79.5	"
					57	79.5	81.0	"
					58	81.0	82.5	"
					59	82.5	83.4	30
	Talc-carbonate Lamprophyre				3660	83.4	84.2	Nil
					61	84.2	85.7	"
					62	85.7	87.0	"
	Talc-chlorite schist - may be schistose ultramafic	trace pyrite as cubes			63	87.0	88.5	"
					64	88.5	90.0	"
	also interbeds biotite rich (ultramafic) tuffs				3665	90.0	91.5	"
					66	91.5	93.0	"
					67	93.0	94.5	"
					68	94.5	96.0	"
					69	96.0	97.5	"
	100m.				3670	97.5	99.0	"
					71	99.0	100.5	"
					72	100.5	102.0	"
					73	102.0	103.5	"
					74	103.5	105.0	"
					3675	105.0	106.5	"
					76	106.5	108.0	"
					77	108.0	109.5	"
	110m.				78	109.5	111.0	"
					79	111.0	112.5	"
114.5					3680	112.5	114.5	"
	Talc-carbonate "exhalite" interbeds	1% pyrite highly disrupted locally quartz-carbonate veins			81	114.5	116.0	"
	Silicious interbeds and talc carbonate beds				82	116.0	117.5	"
					83	117.5	119.0	"
					84	119.0	120.5	"

hole no. D28-2 sheet no. 2

NEWMONT MINING CORP. OF CANADA LTD.
PROPERTY DUFFY
HOLE NO. D-78-2 LOG SCALE 1" = 10m.

footage interval	ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	footage blocks	% recovery	sample no.	interval from	interval to	Amp's
120.5	Exhalite - silicious and carbonate banding - alternating white and pink also highly chloritic bands. - locally weakly magnetic - locally inclusions felsic tuff	1% py			3685	120.5	122.0	Nil
					86	122.0	123.5	"
					87	123.5	125.0	"
					88	125.0	126.5	"
					89	126.5	128.0	30
130m.					3690	128.0	129.5	Nil
	- shows slump and compaction structures	occasional quartz vein			91	129.5	131.0	"
					92	131.0	132.5	"
					93	132.5	134.0	"
					94	134.0	135.5	"
					3695	135.5	137.0	"
					96	137.0	138.5	20
					97	138.5	140.0	Nil
140m.								
143.0	- becomes fuchsitic at bottom near contact				98	140.0	141.5	"
					99	141.5	143.0	"
	Green Carbonate - highly fuchsitic locally well banded	trace py good quartz veins - some fault			3700	143.0	144.5	"
147.4					01	144.5	146.0	"
					02	146.0	147.4	"
	Grey Carbonate - fine grained grey massive to moderately banded	good quartz veins			03	147.4	149.0	"
					04	149.0	150.5	"
					3705	150.5	152.0	10
					06	152.0	153.5	Nil
					07	153.5	155.0	"
					08	155.0	156.5	"
					09	156.5	158.0	"
160m.					3710	158.0	159.5	"
161.75					11	159.5	161.0	"
					12	161.0	161.75	"
	Green Carbonate - as above - interbeds silicious tuff with fuchsite "spots"	good quartz veins trace py.			13	161.75	163.0	"
					14	163.0	164.2	35
170					3715	164.2	165.6	Nil
					16	165.6	167.0	"
					17	167.0	168.5	"
					18	168.5	170.0	"
170.75					19	170.0	170.25	20
	Sericitic Tuffs - grey to yellow very fine grained laminated sericite.	1% py			3720	170.75	172.0	90
175.0					21	172.0	173.5	35
					22	173.5	175.0	60
176.5	Siliceous tuffs - more silicious to cherty	1% py			23	175.0	176.5	160
	Sericitic tuffs - as above				24	176.5	178.2	220
180	180	1% py			25	178.2	180.0	80

hole continued on next

NEWMONT MINING CORP. OF CANADA LTD.
PROPERTY DUFFY
HOLE NO. D78-2 **LOG SCALE** 1"=10m.

SHEET 4 OF 6

footage interval	ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	footage blocks	% recovery	sample no.	interval from	interval to	Assays
180.0	Felsic tuff - grey, fine grained, well laminated, tuffaceous				3726	180.0	181.5	30
					27	181.5	183.0	35
					28	183.0	184.5	35
					29	184.5	186.0	45
					3730	186.0	187.5	40
189.0	Contact gradational				31	187.5	189.0	55
	190m.				32	189.0	190.5	35
	Intermediate to felsic fragmental - flattened fragments in sericitic matrix - frags resemble rhyolite and quartz porphyry - may be exhalative in part				33	190.5	192.0	35
					34	192.0	193.5	70
					3735	193.5	195.0	55
					36	195.0	196.5	35
					37	196.5	198.0	30
	200m.				38	198.0	199.5	30
					39	199.5	201.0	30
					3740	201.0	202.5	30
					41	202.5	204.0	35
					42	204.0	205.5	35
					43	205.5	207.0	60
					44	207.0	208.5	35
					3745	208.5	210.0	70
	210m.				46	210.0	211.5	60
					47	211.5	213.0	60
					48	213.0	214.5	10
					49	214.5	216.0	35
					3750	216.0	217.5	Nil
					51	217.5	219.0	"
	220m.				52	219.0	221.0	"
221.0	Sediment / tuff - fine grained may be sandstone or tuff - finely laminated				53	221.0	222.0	"
					54	222.0	223.5	"
					3755	223.5	225.0	"
	230m.							
	240m.							

hole no. D78-2 sheet no. 4

NEWMONT MINING CORP. OF CANADA LTD.
PROPERTY Duffy
HOLE NO. D78-2

LOG SCALE 1" = 10m.

SHEET 5 OF 6

footage interval	ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	footage blocks	% recovery	sample no.	interval from	interval to
	Sediment/tuff						
	250m.						
	by 255.0m. becomes more sedimentary with sandstone + argillite - more quartz rich	So becomes widely spaced					
	260m.						
	270m.						
	280m.						
	290m.						
292.5							
	more fragmental - resembles material higher in hole - highly deformed with sericitic matrix.						
	300m.						

NEWMONT MINING CORP. OF CANADA LTD.
PROPERTY DUFFY
HOLE NO. D78-2 LOG SCALE 1"=10m.

SHEET 6 OF 6

footage interval	ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	footage blocks	% recovery	sample no.	interval from	interval to
	310m.						
314.5	END OF HOLE						

hole no D78-2 back

NEWMONT MINING CORP. OF CAN. LTD. Toronto, Ontario

4.6m - 50°
50.0m - 47°
100.0m - 45°
150.0m - 45°
200.0m - 41°
250.0m - 43°
300.0m - 45°
320.0m - 43°
350.0m - 42°

PROPERTY Duffy
LOCATION Teck Twp. Ont.
DATE DRILLED Nov. 1978
LOG SCALE 1" = 10m. **LOGGED BY** S.R. Hanson **DATE** Dec. 1978

HOLE NO. D78-3 **TOTAL DEPTH** 353m.
COLLAR ELEV. **CORE SIZE** NQ **INCLINATION TESTS**
BEARING **MAG. OR TRUE DIP** -50°
CO-ORDINATES 99+00 **N** 122+50 **E**
SURFACE ✓ **OR UNDERGROUND**
TOTAL RECOVERY

SHEET 1 OF 6

footage interval	ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	footage blocks	% recovery	sample no.	interval from	interval to	Hppb
1.1								
	Mafic Syenite - coarse grained, mafic rich Syenite	trace pyrite 3.05m. - fault zone - weathered			3801	1.1	2.5	Nil
5.5					02	2.5	4.0	"
	Felsite + fuchsitic carbonate tuff				03	4.0	5.5	"
	- grey to green massive, felsic,	2-3% pyrite vague banding			04	5.5	7.0	"
10m.					3805	7.0	8.5	"
					06	8.5	10.0	"
	fine grained "felsite" with fuchsitic tuffaceous portions	occasional quartz vein			07	10.0	11.5	20
					08	11.5	13.0	30
					09	13.0	14.5	Nil
					3810	14.5	16.0	"
		16.7 - weathered fault zone highly weathered quartz rich zone			11	16.0	17.5	"
					12	17.5	19.0	"
20m.					13	19.0	20.0	"
					14	20.0	21.0	"
22.5					3815	21.0	22.5	"
	Green Carbonate - fuchsitic carbonate with grey carbonate interbeds	- trace pyrite - folded quartz veins - S, well developed			16	22.5	24.0	"
					17	24.0	25.5	"
					18	25.5	27.0	"
					19	27.0	28.5	"
30m.					3820	28.5	30.0	"
31.0					21	30.0	31.0	"
	Grey felsite - grey, massive, fine grained, quartz rich felsite with occasional fuchsite spots	3% py abundant q.v.			22	31.0	32.5	"
					23	32.5	34.0	"
					24	34.0	35.5	"
					3825	35.5	37.0	"
					26	37.0	38.5	"
40m.					27	38.5	40.0	"
					28	40.0	41.5	"
					29	41.5	43.0	30
45.2					3830	43.0	44.5	Nil
					31	44.5	45.2	"
	Talc - carbonate - grey talcose and white carbonate interbeds	- trace py. as cubes - S, 30° c.a. — So highly deformed			32	45.2	46.0	"
48.25					33	46.0	47.5	"
49.13	50m Syenite dyke - fine grained mafic Syenite	1% py			34	47.5	48.25	"
	Talc-carbonate - as above				3835	48.25	49.13	"
51.6					36	49.13	50.5	"
					37	50.5	51.6	"
	Trachytic tuff	1% py finely laminated			38	51.6	52.5	"
55.5					39	52.5	54.0	"
	Talc-carbonate				40	54.0	55.5	"
		trace py as cubes			41	55.5	57.0	"
					42	57.0	58.5	"
60m.					43	58.5	60.0	"

NEWMONT MINING CORP. OF CANADA LTD.
PROPERTY DUFFY
HOLE NO. D78-3 **LOG SCALE** 1"=10m.

footage interval	ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	footage blocks	% recovery	sample no.	interval from	interval to	Hyd
	Talc-carbonate - as before				3844	60.0	61.5	Nil
					45	61.5	63.0	"
					46	63.0	64.5	"
					47	64.5	66.0	"
					48	66.5	67.5	"
	Syenite - fine grained pink syenite (dyke?)	1-3% py			3850	67.5	69.0	"
	70m.	abundant micro quartz veins			51	69.0	70.5	"
72.2	contact broken				52	70.5	72.0	20
	Talcose ultramafic/Talc-carbonate				53	72.0	73.5	Nil
	- mixture medium grained & fine grained ultramafic & talc-carbonate				54	73.5	75.0	"
	moderately magnetic				3855	75.0	76.5	"
	80m.				56	76.5	78.0	"
	- locally "tuffaceous"				57	78.0	79.5	35
					58	79.5	81.0	30
	highly magnetic bands	banded - very pyrite rich in magnetic bands			59	81.0	82.5	Nil
					3860	82.5	84.0	"
					61	84.0	85.5	"
					62	85.5	87.0	"
	91m. 0.3m very magnetic band				63	87.0	88.5	"
					64	88.5	90.0	"
					3865	90.0	91.5	"
					66	91.5	93.0	"
					67	93.0	94.5	"
					68	94.5	96.0	"
					69	96.0	97.5	"
	100m				3870	97.5	99.0	"
					71	99.0	100.5	"
					72	100.5	102.0	"
					73	102.0	103.5	"
		S, better developed			74	103.5	105.0	"
					3875	105.0	106.5	"
					76	106.5	108.0	"
					77	108.0	109.5	"
	110m.				78	109.5	111.0	"
112.3		111.5 fault 50° c.a.			79	111.0	112.3	"
	Mafic Syenite - intrusive contact (ie chilled) at 40-50° c.a.				3880	112.3	114.0	"
	- mafic phenos absent				81	114.0	115.5	"
					82	115.5	117.0	"
		talc-carbonate inclusion			83	117.0	118.7	"
	120m.				84	112.2	118.7	"
					85	118.7	120.5	"

NEWMONT MINING CORP. OF CANADA LTD.
PROPERTY Duffy
HOLE NO. D75-3 **LOG SCALE** 1" = 16 m.

footage interval	ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	footage blocks	% recovery	sample no.	interval from	interval to	Au ppb
	Mafic Syenite	121.5 - 122.0 - brecciated fault zone cemented with Silica			3896	120.5	121.0	Nil
					87	121.0	122.0	"
	Ultramafic flows? - talcose ultramafics plus talc carb schist	good S_1			88	122.0	124.0	"
					89	124.0	125.5	"
					3790	125.5	126.3	"
					91	126.3	127.0	"
	130m.				92	127.0	128.5	"
					93	128.5	130.0	"
					94	130.0	131.5	"
		S_0 highly deformed, S_1 well developed			95	131.5	133.0	"
	More talc carbonate				96	133.0	134.5	"
					97	134.5	136.0	"
					98	136.0	137.5	"
					99	137.5	139.0	"
	140m.				3900	139.0	140.5	"
					01	140.5	141.5	"
	Grey felsite - contact sheared, massive locally fuchsitic	1-3% py			02	141.5	143.0	30
					03	143.0	144.5	35
					04	144.5	146.0	10
		S_1 locally developed			3905	146.0	147.5	20
					06	147.5	149.0	30
	150m.				07	149.0	150.5	30
					08	150.5	152.0	70
					09	152.0	153.5	35
					3910	153.5	155.0	20
					11	155.0	156.5	Nil
					12	156.5	158.0	"
					13	158.0	159.5	55
	160m.				14	159.5	161.0	Nil
					3915	161.0	162.5	Nil
					16	162.5	164.0	35
					17	164.0	165.5	40
					18	165.5	167.0	35
	Becomes more sericitic				19	167.0	168.5	60
	170m.				3920	168.5	170.0	70
					21	170.0	171.5	35
					22	171.5	173.0	35
					23	173.0	174.5	100
					24	174.5	176.0	130
					3925	176.0	177.5	60
					26	177.5	179.5	165
	180m.				27	179.5	180.5	60

NEWMONT MINING CORP. OF CANADA LTD.
PROPERTY Duffy
HOLE NO. D78-3 **LOG SCALE** 1" = 10m.

footage interval	ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	footage blocks	% recovery	sample no.	interval from	interval to	Assays
	Grey siltsite -				3928	180.5	182.0	95
	contact somewhat gradational				29	182.0	183.5	75
					30	183.5	185.0	70
	Sedimentary rocks - sandy and argillaceous	S(S₀?) @ 40° c.a.			31	185.0	186.5	35
	Sericitic rocks - locally become "exhalitive"	- locally S₀ present at small angle to S.			32	186.5	188.0	nil
190m.	with disrupted cherty beds - "				33	188.0	189.5	"
	- also locally tuffaceous				34	189.5	191.0	20
		- rare quartz vein			3935	191.0	192.5	nil
		- 1% pyrite, associated cherty layers			36	192.5	194.0	35
					37	194.0	195.5	20
					38	195.5	197.0	10
		- bedding locally highly deformed			39	197.0	198.5	35
200m.					3940	198.5	200.0	20
					41	200.0	201.5	10
					42	201.5	203.0	30
					43	203.0	204.5	10
					44	204.5	206.0	nil
					3945	206.0	207.5	20
					46	207.5	209.0	nil
210m.					47	209.0	210.5	10
					48	210.5	212.0	10
		"rootless folds" etc. in exhalitive portions			49	212.0	213.5	nil
					3950	213.5	215.0	"
					51	215.0	216.5	"
					52	216.5	218.0	"
					53	218.0	219.5	"
220m.					54	219.5	221.0	35
					3955	221.0	222.5	nil
					56	222.5	224.0	"
					57	224.0	225.5	"
					58	225.5	227.0	"
					59	227.0	228.5	"
230m.					3960	228.5	230.0	"
					61	230.0	231.5	"
					62	231.5	233.0	"
					63	233.0	234.5	"
					64	234.5	236.0	"
					65	236.0	237.5	"
					66	237.5	239.0	"
240m.					67	239.0	240.5	"

NEWMONT MINING CORP. OF CANADA LTD.
PROPERTY Duffy
HOLE NO. D78-3 **LOG SCALE** 1" = 10m.

footage interval	ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	footage blocks	% recovery	sample no.	interval from	interval to	Appb
	Sediments - more sandy - less ethalitive				3968	240.5	242.0	Nil
					69	242.0	243.5	"
					70	243.5	245.0	"
250m.								
					3971	247.6	254.0	35
					72	251.0	252.5	Nil
					73	252.5	254.0	30
					74	254.0	255.5	Nil
260m.					3975	255.5	257.0	"
					76	257.0	258.0	"
					77	258.0	260.5	20
					78	260.5	262.0	Nil
					79	262.0	263.5	"
					3980	263.5	265.0	"
					81	265.0	266.5	"
270m.					82	266.5	268.0	"
					83	268.0	269.5	"
					84	269.5	271.0	"
					3985	271.0	272.5	"
					86	272.5	274.0	"
					87	274.0	275.5	"
					88	275.5	277.0	"
280m.					89	277.0	278.5	"
					3990	278.5	280.0	"
					91	280.0	281.5	"
					92	281.5	283.0	"
					93	283.0	284.5	"
					94	284.5	286.0	"
290m.					3995	286.0	287.5	"
					96	287.5	289.0	"
					97	289.0	290.5	"
	occasional conglomeratic? portions				98	290.5	292.0	"
					99	292.0	293.5	"
300m.					4000	293.5	295.0	"

NEWMONT MINING CORP. OF CANADA LTD.
PROPERTY Duffy
HOLE NO. D78-3 **LOG SCALE** 1" = 10m.

SHEET 6 **OF** 6

footage interval	ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	footage blocks	% recovery	sample no.	interval from	to	Au ppb
	310m.	S, less evident So locally recognisable						
	320m. conglomerate bands more common with pebbles red jasper green carbonate and papyry							
	330m.							
	340m.							
	350m.							
353.0	END OF HOLE							

hole no D-78-3 sheet no 1

NEWMONT MINING CORP. OF CAN. LTD. Toronto, Ontario

PROPERTY Duffy
LOCATION Teck Twp. Ont.
DATE DRILLED December 1978
LOG SCALE 1"=10m. LOGGED BY A.R. Ellison DATE Dec. 78

HOLE NO. D78-4 TOTAL DEPTH 292m.
COLLAR ELEV. CORE SIZE INCLINATION TESTS
BEARING 345° MAG. OR TRUE DIP -50°
CO-ORDINATES 98+25 N 1181+00 E
SURFACE OR UNDERGROUND
TOTAL RECOVERY

5.5m - 49°
50.0m - 48°
107.0m - 48°
183.0m - 46°
259.0m - 44°
292.0m - 42°

SHEET 1 OF 5

footage interval	ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	footage blocks	% recovery	sample no.	interval from	interval to	
3.46								
	Syenite - dark brick red, medium grained massive, grades to grey ppc				2651	3.47	4.5	Nil
					52	4.5	6.0	"
					53	6.0	7.5	"
					54	7.5	9.0	"
	10m.				2655	9.0	10.5	"
10.5	Contact chilled							
	ultramafic - massive, black to grey talcose ultramafic - locally cut by serpentine veinlets and carbonate				56	10.5	12.0	"
					57	12.0	13.5	"
					58	13.5	15.0	"
					59	15.0	16.5	"
					2660	16.5	18.0	"
	20m. - massive parts quite magnetic				61	18.0	19.5	"
					62	19.5	21.0	"
					63	21.0	22.5	"
		24.0 to 25.0 - calcite breccia			64	22.5	24.0	"
					2665	24.0	25.5	"
					66	25.5	27.0	"
					67	27.0	28.5	"
	30m.	30.0 altered fault zone 10° c.a.			68	28.5	30.0	"
	30.0 to 32.5 very talcose zone				69	30.0	31.5	"
	32.5 - massive				2670	31.5	33.0	"
					71	33.0	34.5	"
					72	34.5	36.0	"
					73	36.0	37.5	"
					74	37.5	39.0	"
	40m.				2675	39.0	40.5	"
					76	40.5	42.0	"
					77	42.0	43.5	"
					78	43.5	45.0	"
					79	45.0	46.5	"
					2680	46.5	48.0	"
					81	48.0	49.5	"
	50m. Syenitized				82	49.5	51.0	"
					83	51.0	52.5	"
53.65					84	52.5	53.65	"
	Syenite porphyry - grey feldspars in f.g. matrix - contact bleached with chilled	1% py.			2685	53.65	54.85	"
		Talc-carbonate inclusion			86	54.85	56.4	"
					87	56.4	58.0	"
	60m.	1-3% fg. py. chloritic stringers			88	58.0	59.5	"

NEWMONT MINING CORP. OF CANADA LTD.
PROPERTY DUFFY
HOLE NO. D78-4 **LOG SCALE** 1"=10m.

SHEET 2 OF 5

footage interval	ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	footage blocks	% recovery	sample no.	interval from	interval to	Assays
	Syenite porphyry - as above	1% pyrite			2694	59.5	61.0	NIL
					90	61.0	62.5	"
					91	62.5	64.0	"
					92	64.0	65.5	"
					93	65.5	67.0	"
					94	67.0	68.5	"
	70m.				2695	68.5	70.2	"
	Talc-carbonate - well banded carb. and talcose	So locally llc.a. & highly disrupted			96	70.2	71.5	"
					97	71.5	73.0	"
					98	73.0	74.5	"
					99	74.5	76.0	"
					2700	76.0	77.5	"
		calcite breccia			01	77.5	79.0	"
					02	79.0	80.5	"
	80m.				03	80.5	81.9	"
81.9								
83.0	Amphibolitic y.d. - contact at incl.	trace pyrite			04	81.9	83.0	"
	Feldspar Porphyry - grey, fine grained matrix with euhedral feldspars	trace pyrite			2705	83.0	83.8	35
		dominant q.v.			06	83.8	85.5	NIL
		also "bleached" locally			07	85.5	87.0	"
					08	87.0	88.5	"
	90m.				09	88.5	90.0	"
		trace pyrite			2710	90.0	91.5	"
					11	91.5	93.0	"
					12	93.0	94.5	"
					13	94.5	96.0	"
					14	96.0	97.5	"
					2715	97.5	99.0	"
	100m.				16	99.0	100.5	"
					17	100.5	102.0	"
					18	102.0	103.5	"
					19	103.5	105.0	"
					2720	105.0	106.5	"
					21	106.5	108.0	"
		becomes bleached along fractures and in patches			22	108.0	109.5	"
					23	109.5	111.0	"
					24	111.0	112.5	"
					2725	112.5	114.0	"
					26	114.0	115.5	"
	110m.				27	115.5	117.2	"
	Ground core - no recovery			0				
	120m.							

NEWMONT MINING CORP. OF CANADA LTD.
PROPERTY DUFFY
HOLE NO. D78-4 **LOG SCALE** 1"=10M.

footage interval	ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	footage blocks	% recovery	sample no.	interval from	interval to	Au ppb
120.5	ground core							
	Feldspar porphyry - as above	1% py			28	120.5	127.0	nil
					29	127.0	123.5	"
					2730	123.5	125.0	"
					31	125.0	126.5	"
					32	126.5	128.0	"
	130	abundant chlorite slips			33	128.0	129.5	"
		130.5 brecciated fault zone			34	129.5	130.5	"
133.16	bleached				35	130.5	132.0	"
134.76	Mafic tuff - dark green fine grained	inclusion? contacts broken			36	132.0	133.16	"
					37	133.16	134.76	"
					38	134.76	136.0	"
					39	136.0	137.5	"
	140	139.5 - quart + chlorite fault @ 40° c.a.			2740	137.5	139.0	"
	becomes very fine grained with remenant? grey f.p. portions	1% pyrite			41	139.0	140.5	"
					42	140.5	142.0	"
146.5					43	142.0	143.5	"
146.95	Green carbonate - mostly fracture				44	143.5	145.0	"
	Syenite - fine grained massive - may	1% py			2745	145.0	146.5	"
149.1	be Lapilli				46	146.5	146.95	"
	Felsic (tuff?) flow - dark fine				47	146.95	148.0	"
	grained with occasional feldspar	irregular. Banded			48	148.0	149.1	"
152.2		1% py			49	149.1	150.5	"
153.8	Syenite - fine grained salmon pink	1% py quartz stringers			2750	150.5	152.2	"
	felsic tuff - as above				51	152.2	153.8	"
154.9		1% py			52	153.0	154.9	"
157.4	Syenite - fine grained, Salmon pink	quartz 90° c.a. trpy.			53	154.9	156.4	20
	Felsic tuff - as above becoming				2755	156.8	157.4	"
	160 coarser grained - feldspars	1% py			56	157.4	159.0	"
	more common				57	159.0	160.5	"
					58	160.5	162.0	"
163.75					59	162.0	163.75	"
166.75	silicious tuff - more sericitic and siliceous				60	163.75	164.75	"
165.0	grey felsite - fine grained, grey to	less quartz veins			62	165.0	166.5	"
	greenish locally highly	1% py.			63	166.5	168.0	"
	170 Sericitic and locally well				64	168.0	169.5	"
	developed feldspar grains				65	169.5	171.0	"
					66	171.0	172.5	"
					67	172.5	174.0	"
					68	174.0	175.5	"
					69	175.5	177.0	"
178.0					2770	177.0	178.0	"
179.0	Silicified zone	0.3 m. quartz veins - barren			71	178.0	179.0	"
	Sediments				72	179.0	180.5	"

164.75 to 165.0

NEWMONT MINING CORP. OF CANADA LTD.
PROPERTY DUFFY
HOLE NO. D78-4 **LOG SCALE** 1"=10M.

footage interval	ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	footage blocks	% recovery	sample no.	interval from	interval to	Au ppb
	Sediments - highly deformed grits and sandstones which may be tuffaceous in part - also "exhalitive" locally	bedding 60° c.a. 10% py in "exhalitive" portions 1% in vest			73	180.5	182.0	10
					74	182.0	183.5	60
					2775	183.5	185.0	170
					76	185.0	186.5	100
					77	186.5	188.0	35
					78	188.0	189.5	50
					79	189.5	191.0	55
					2780	191.0	192.5	35
					81	192.5	194.0	20
					82	194.0	195.5	35
					83	195.5	197.0	30
					84	197.0	198.5	Nil
					2785	198.5	200.0	35
					86	200.0	201.5	35
					87	201.5	203.0	20
					88	203.0	204.5	35
					89	204.5	206.0	Nil
					2790	206.0	207.5	"
					91	207.5	209.0	"
					92	209.0	210.5	35
					93	210.5	212.0	20
					94	212.0	213.5	20
					95	213.5	215.0	Nil
					96	215.0	216.5	"
					97	216.5	218.0	"
					98	218.0	219.5	35
					99	219.5	221.0	40
					2800	221.0	222.5	Nil
	207.5 m - less exhalite							
	218.0 - more coarse grained							

NEWMONT MINING CORP. OF CANADA LTD.

PROPERTY Duffy

HOLE NO. D78-4 **LOG SCALE** 1" = 10m.

SHEET 5 **OF** 5

footage interval	ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	footage blocks	% recovery	sample no.	interval from	to
	250 m.						
	260m.						
	267.0m. - get interbeds of conglomerate 270m.	highly deformed pebbles					
	280m.						
	290m.						
	291 END OF HOLE						

NEWMONT MINING CORP. OF CAN. LTD. Toronto, Ontario

PROPERTY Duffy
LOCATION TECK TWP. ONT.
DATE DRILLED DECEMBER 1978
LOG SCALE variable LOGGED BY J.R. Robinson DATE Dec. 1978

HOLE NO. D78-5 TOTAL DEPTH 240.0m.
COLLAR ELEV. CORE SIZE NQ INCLINATION TESTS
BEARING 345° MAG. OR TRUE DIP -50°
CO-ORDINATES 96+00 N 118+00 E
SURFACE ✓ OR UNDERGROUND
TOTAL RECOVERY

0m - 50°
46m. - 49°
91m. - 49°
137m. - 48°
230m. - 47°
260m. - 46°

SHEET 1 OF 5

footage interval	ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	footage blocks	% recovery	sample no.	interval from	interval to	Au ppb	Au oz
3.96m.	overburden								
	Grey felsite - grey medium grained, xtal fine.	1% pyrite S, vague 50° c.a.			5101	3.96	5.5	20	
	10m.				02	5.5	7.0	Nil	
					03	2.0	8.5	"	
13.0	weathered & contact				04	8.5	10.0	"	
	Green Carbonate - typical well banded green fuchsite carbonate				5105	10.0	11.5	"	
16.5		good g.v. locally weathered			06	11.5	13.0	"	
	Grey Felsite as above				07	13.0	14.5	"	
	20m. - has fuchsite + other zones?	1% py			08	14.5	16.0	"	
					09	16.0	16.5	"	
	- quite granular and medium grained.	quartz veining common			5110	16.5	17.5	"	
					11	17.5	19.0	"	
					~~12~~	~~19.0~~	~~20.5~~	"	
					13	20.5	22.0	"	
					14	22.0	23.5	"	
	30m.				5115	23.5	25.0	"	
					16	25.0	26.5	"	
					17	26.5	28.0	"	
					18	28.0	29.5	"	
					19	29.5	31.0	30	
36.5	"turbaceous" banding near contact				5120	31.0	32.5	20	
	Green Carbonate - as above				21	32.5	34.0	30	
	40m.	abundant quartz veins up to 0.3 meters			22	34.0	35.5	120	0.004
					23	35.5	36.5	360	0.011
					24	36.5	38.0	20	
					5125	38.0	39.5	30	
		trace pyrite			~~26~~	~~39.5~~	~~41.0~~	Nil	
		well developed S,			27	41.0	42.5	10	
					28	42.5	44.0	Nil	
50.0	50m. - gradational to talc-carbonate				29	44.0	45.5	10	
	to/out				5130	45.5	47.0	Nil	
	Talc - Carbonate - good bedding locally - Specularite scattered on fractures				31	47.0	48.5	"	
					32	48.5	50.0	"	
		52.5 quartz with cpy			33	50.0	51.5	20	
					34	51.5	53.0	20	
	- becomes more massive (is not bedded) talcose Ultramafic				5135	53.0	54.5	20	
	55 m.	more schistose							

NEWMONT MINING CORP. OF CANADA LTD.

PROPERTY DUFF 4

HOLE NO. D78-5 **LOG SCALE** 1"=10m.

footage interval	ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	footage blocks	% recovery	sample no.	interval from	to
	Ultramafic - highly schistose, talcose ultramafics	trace py					
	60m.						
	70m.						
	80m.						
	90m.						
98.8	100m.						
108.2	Gabbro - massive, medium grained, dark - intrusive with chilled top?						
	Feldspar Porphyry - dark fine grained 110m.						

NEWMONT MINING CORP. OF CANADA LTD.
PROPERTY DUFFY
HOLE NO. D78-5 **LOG SCALE** 1" = 10m.

footage interval	ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	footage blocks	% recovery	sample no.	interval from	to
111.3							
113.4	Mafic inclusion - very fine grained dark green mafic inclusion?						
	Feldspar porphyry - as above 120m.						
125.3							
129.3	Mafic inclusion - inclusion as above - locally syenitized 130m.						
	Feldspar Porphyry - pink at top then grey - locally syenitized - local ultramafic inclusions - locally dark felsite 140m.						
	150m.						
	160m.						
	near bottom becomes very mafic (? Syenogabbro) 170m near bottom						

NORMONT MINING CORP. OF CANADA LTD.
PROPERTY Duffy
HOLE NO. D78-5

LOG SCALE 1" = 10m.

SHEET 4 OF 5

footage interval	ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	footage blocks	% recovery	sample no.	interval from	interval to
179.0m	Feldspar Porphyry - as above						
180m.	Mafic to Ultramafic - gradational to above - mixed mafic and ultramafic intrusive - has appearance of "layer sequence"						
190m.							
200m.							
210m.							
220m.							
230m.							

NEWMONT MINING CORP. OF CANADA LTD.
PROPERTY .....
HOLE NO. ..... LOG SCALE .....

SHEET 5 OF 5

footage interval	ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	footage blocks	% recovery	sample no.	interval from	to
	Matic to Ultramatic Intrusive						
	240m.						
	250m.						
	260m. END OF HOLE						

NEWMONT MINING CORP. OF CAN. LTD. Toronto, Ontario

PROPERTY Duffy
LOCATION Teck Twp. Ont.
DATE DRILLED December 1978
LOG SCALE 1in.=10m. **LOGGED BY** J.R. Fitzsimons **DATE** Dec. 1978

HOLE NO. D78-7 **TOTAL DEPTH** 151.5m. 0m. -45°
COLLAR ELEV. **CORE SIZE** NQ **INCLINATION TESTS** 46m. -43°
BEARING 010° **MAG. OR TRUE DIP** 92m. -40°
CO-ORDINATES 100+25 **N** 132+80 **E** 151.5 -36°
SURFACE ✓ **OR UNDERGROUND**
TOTAL RECOVERY

SHEET 1 OF 3

footage interval	ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	footage blocks	% recovery	sample no.	interval from	interval to	
	Overburden							
10 m.								
	10.55 to 11.28m. – boulders? overhang? trachytic tuff							
14.5								
	Talc-carbonate – interbedded arkose & carbonate rich beds	-highly schistose -bedding disrupted 16.3 to 16.9 – trachyte			2801	14.5	16.3	Nil
					02	16.3	16.9	"
					03	16.9	18.0	"
19.0					04	18.0	19.0	"
	Trachytic tuff?	3-5% pyrite in veins			2805	19.0	20.25	"
20.45								
21.5	Talc-carbonate	tr. py			06	20.45	21.5	"
22.6	Sericite-carbonate tuff	1/2% py			07	21.5	22.6	"
	Talc-carbonate	bedding disrupted			08	22.6	24.0	"
24.5		py as large cubes			09	24.0	25.5	"
	Green Carbonate – fuchsitic banded carbonate				2810	25.5	26.0	"
					11	26.0	27.5	"
					12	27.5	29.0	"
30m.					13	29.0	30.5	"
					14	30.5	32.0	"
					2815	32.0	33.75	"
					16	33.75	34.2	35
	Grey Carbonate section – ↓ less fuchsite	5% pyrite			17	34.2	36.0	35
					18	36.0	37.0	Nil
					19	37.0	38.5	"
40m.					2820	38.5	40.0	"
		So? evident @ 45° c.a.			21	40.0	41.	"
					22	41.5	43.0	"
		43.0 to 44.82m. – more sericitic			23	43.0	44.0	"
44.82					24	44.0	44.82	"
	Grey Silicious Carbonate – "cherty" – locally well banded "exhalite"				2825	44.82	46.0	35
		3% py parallel S_1/S_0			26	46.0	47.5	Nil
					27	47.5	49.0	35
50m.					28	49.0	50.91	130
50.91								
51.5	Sericite tuff/exhalitive	So determined – 3% py			29	50.91	51.5	470
	Mafic Tuff – dark green, schistose – very fine grained	tr py			2830	51.5	53.0	Nil
54.25					31	53.0	54.25	60
55.10	BIF	bedding deformed 5% py			32	54.25	55.10	200
56.5	Mafic tuff				33	55.10	56.5	Nil
58.0	BIF – two bands BIF seperated by Mafic tuff	bedding faded 5% py			34	56.5	58.0	"
	Mafic Tuff – as above	tr. py S_1 = 60° ca			2835	58.0	59.5	"
60m.								

NEWMONT MINING CORP. OF CANADA LTD.
PROPERTY Duffy
HOLE NO. DDH-7 **LOG SCALE** 1" = 10M.

footage interval	ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	footage blocks	% recovery	sample no.	interval from	interval to	Assays
	Mafic tuffs and flows?	tr. py $S_1 \leq S_0$ 50° c.a. locally bedding folded with S_1 as axial plane			2836	59.5	61.0	nil
					37	61.0	62.5	"
					38	62.5	64.0	"
					39	64.0	65.5	"
					2840	65.5	67.0	"
					41	67.0	68.5	"
70m.					42	68.5	70.0	"
	More tuffaceous (exhalitive in part) BIF @ 73.5	73.5 - 5% py don't calcite veinlets			43	70.0	72.0	"
					44	72.0	73.0	"
					2845	73.0	74.0	"
					46	74.0	75.0	"
					47	75.0	76.5	"
					48	76.5	78.0	"
80m.					49	78.0	79.5	"
	occasional cherty bands	schistose			2850	79.5	81.0	"
					51	81.0	82.5	"
					52	82.5	84.0	"
					53	84.0	85.5	"
					54	85.5	87.0	35
					2855	87.0	88.5	35
90m.					56	88.5	90.0	35
					57	90.0	91.5	nil
					58	91.5	93.0	"
					59	93.0	94.5	"
					2860	94.5	96.0	"
					61	96.0	97.5	"
					62	97.5	99.0	"
100m.					63	99.0	100.0	"
	Siliceous exhalite - light green very fine grained siliceous (+ sericitic?) exhalite with med. grained trachytic intervals	trachytic intervals - 5% py exhalite - trace py. S_0 11 to 30° c.a.			64	100.0	101.0	"
					65	101.0	101.85	"
					66	101.85	102.35	"
					67	102.35	103.85	"
105.0					68	103.85	105.0	"
	Mafic tuffs - as above, locally exhalative	S_0 11 to 30° c.a.			69	105.0	106.5	"
					2870	106.5	108.0	"
					71	108.0	109.35	"
110m.					72	109.35	110.15	"
	Mafic Syenite - dyke mafic syenite - truncates exhalite bands	top broken but truncates bedding in exhalite			73	110.15	111.5	"
	Exhalite + Mafic tuff	S_0 40° c.a.			2874	111.5	112.2	"
					75	112.2	113.0	"
	Mafic tuff - locally talcose	locally calcite + hematite stringers			76	113.0	114.5	"
					77	114.5	116.0	"
					78	116.0	117.5	"
					79	117.5	119.0	"
120m.					2880	119.0	120.5	"

hole ca Asp 7 sheet no 1

NEWMONT MINING CORP. OF CANADA LTD.
PROPERTY Duffy
HOLE NO. D78-7

LOG SCALE 1" = 10m.

SHEET 3 OF 3

footage interval	ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	footage blocks	% recovery	sample no.	interval from	interval to	
	Mafic tuffs				81	120.5	122.0	Nil
					82	122.0	123.5	"
					83	123.5	125.0	"
					84	125.0	126.5	"
					2885	126.5	128.0	30
	130m.				86	128.0	129.5	20
					2887	129.5	131.0	Nil
	140m.							
	150m							
151.5	END OF HOLE							

Tie Line 108N

Tie Line 104 N

Tie Line 96N

Tie Line 92 N

Murdoch Creek

Hwy. 66

L 4447913

L 4495228

L 4495229

L 4495227

L 4495238

L 4500061

D-78-1

D-78-2

D-78-3

D-78-4

D-78-7

BaseLine 100N

Line 150 E

Line 125 E

Line 100E

Line 75E

Line 50E

Line 25E

Line 0E

DUFFY PROJECT

TECK TOWNSHIP
ONTARIO

DRILL HOLE LOCATIONS

Scale 1:5000

0 50 100 150
meters

JRA 27/04/78

J.H. FEENSTRA 28/04/79

42A01NE0205 28 TECK