

DIAMOND DRILLING



42A06SE0153 15 ADAMS

010

TOWNSHIP: ADAMS

REPORT No.: 15

WORK PERFORMED BY: UTAH MINES LIMITED

<u>CLAIM No.</u>	<u>HOLE No.</u>	<u>FOOTAGE</u>	<u>DATE</u>	<u>NOTE</u>
P 537241	1	497.0	Dec/79	(1)

NOTES: (1) # 32-80

~~#13~~

#32-80

THE TOWNSHIP
OF

ADAMS

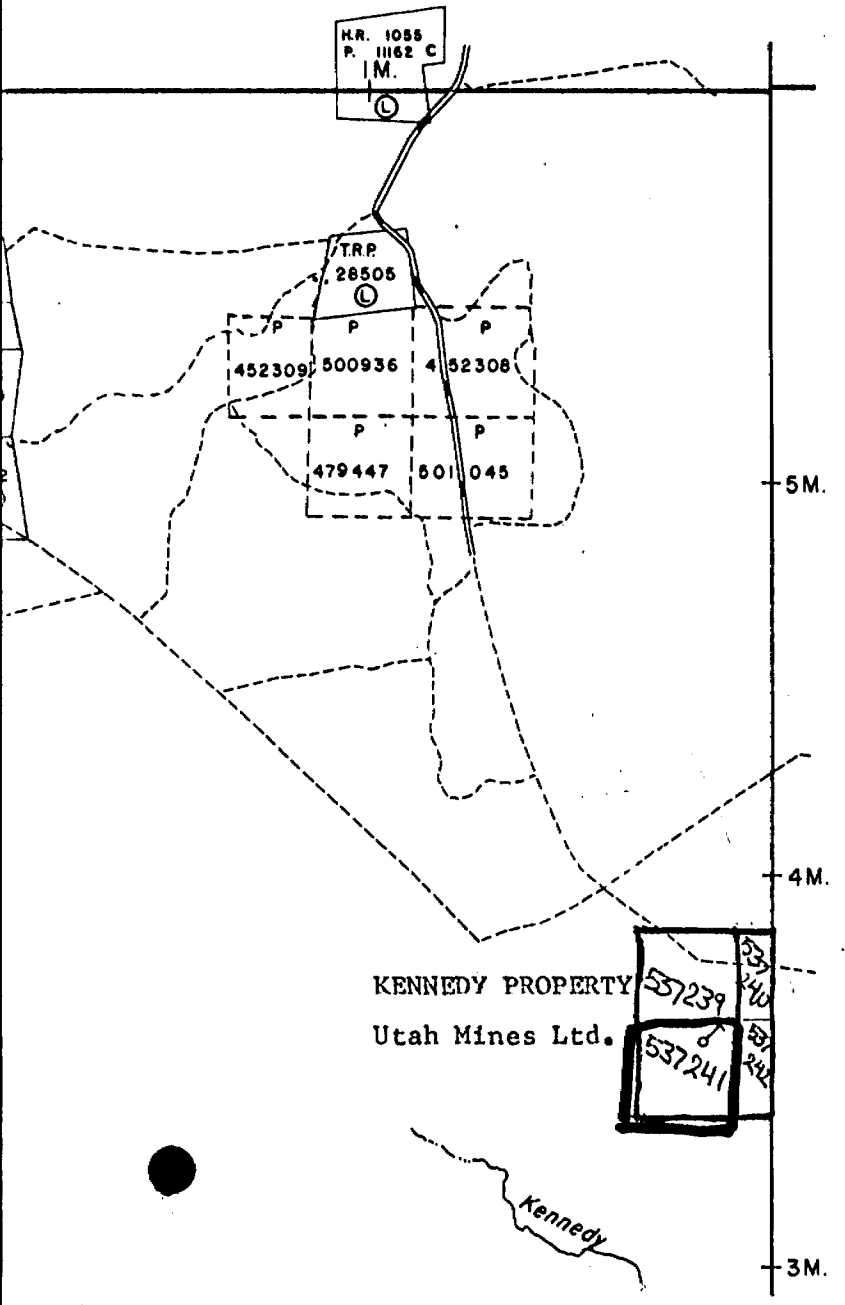
DISTRICT OF
COCHRANE

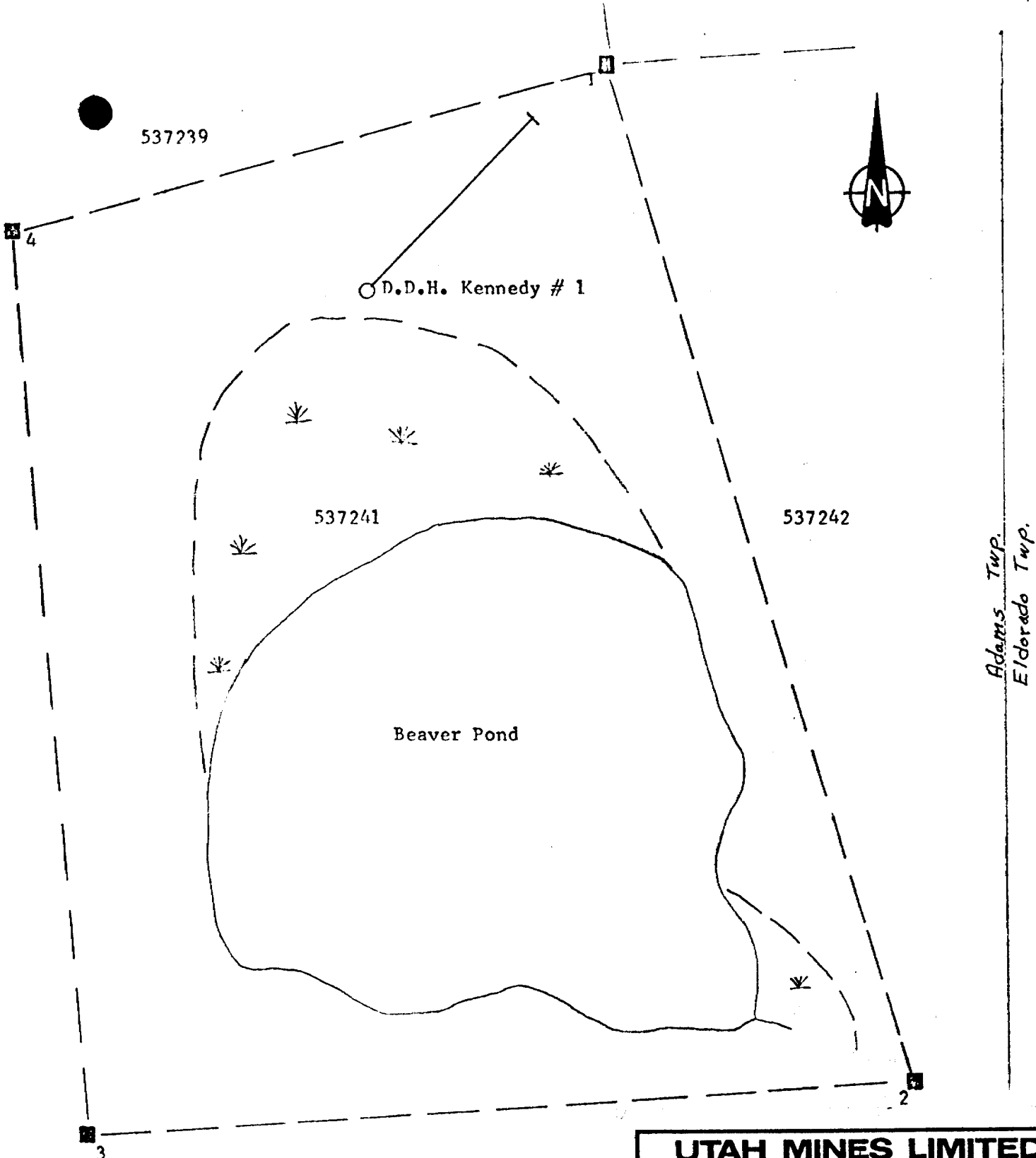
PORCUPINE
MINING DIVISION

SCALE: 1-INCH = 40 CHAINS

LEGEND

- | | |
|-----------------------|--------|
| PATENTED LAND | Ⓟ |
| CROWN LAND SALE | C.S. |
| LEASES | Ⓛ |
| LOCATED LAND | Loc. |
| LICENSE OF OCCUPATION | L.O. |
| MINING RIGHTS ONLY | M.R.O. |
| SURFACE RIGHTS ONLY | S.R.O. |
| ROADS | ==== |
| IMPROVED ROADS | ==== |
| KING'S HIGHWAYS | ==== |
| RAILWAYS | ==== |
| POWER LINES | ==== |
| MARSH OR MUSKEG | ⊛ |
| MINES | ⊛ |
| CANCELLED | C. |





UTAH MINES LIMITED
 EXPLORATION DEPARTMENT
 TORONTO ONTARIO CANADA

DIAMOND DRILLING
 KENNEDY PROPERTY
 ADAMS TOWNSHIP

DATE	DRAWN	CHECKED	REVISED	N.T.S.	FILE	MAP
						OF



HOLE NO. KENNEDY-1

PROJECT: KENNEDY

PAGE NO: 2 OF 9

LASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: DEC. 11, 1979

REF. TO CLAIM CORNER:

COORDINATES: 12N 450W N: E.

DATE FINISHED: DEC. 13, 1979

SCALE: 1" = 10'

INCLINATION: -45°

BEARING: N45°E

TOTAL DEPTH: 497'

LOGGED BY: D. McIVOR

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTI-MATED
	SERP	CHLORITE	CALCITE	TALC												
60	MIN	MIN	MIN	MIN			<p>58'-59' CHLORITE SCHIST graph. - 1/4 aplastic, slightly schistose, chlorite altered mafic volcanic rock - occasional thin seams and bands of graphite oriented parallel to schistosity at 70°-80° to core bore axis - at 58.5' a 1" quartz-carbonate vein. - minor sericite along schistosity planes. - occasional small vugs occur throughout rock. sulphides present to 1% as thin seams and blebs of Po (0.75%) & Pn (0.25% - as indicated by strong true Ni test).</p> <p>59-55' CHERRY DACITE - 1/4 aplastic felsic, mafic volcanic, massive, & numerous closely spaced, randomly oriented calcite filled fractures - sulphides present to 1% as to disc Pn, minor to.</p> <p>55-52' TALC-TREMOLITE-CARBONATE SCHIST - strongly schistose, talc-hornblende, carbonate altered ultramafic rock - schistosity at 70-90° to core bore axis - talc alteration is strong throughout rock, & blebs and spams of carbonate (primarily calcite) oriented parallel to schistosity - hornblende present as small elongated crystals throughout rock, and form a snowflake type texture in places. - fractures average 3'-4' apart, and are parallel to schistosity & calcite filled sulphides present as 1% of rock in the form of small blebs & seams oriented parallel to schistosity, and a/c. Po = 0.5%. Pn = 0.5% as indicated by strong true Ni test. - weakly magnetic in to mineralized areas.</p> <p>52-51' GRAPHITE - thin, slightly schistose band of predominantly graphite, & a few thin seams of mafic volcanic rock and calcite. - schistosity at 60-70° to core bore axis. - a few small thin felsic fragments also visible. - sulphides present to 3% of rock as thin seams and blebs parallel to schistosity, in the form of Py & 2.0%. Po = 1% and trace amounts of Cpy. - neg Ni test - magnetic (due to Pn), reading 0.5 on Mag Sys</p> <p>51-49' TALC-CARBONATE SCHIST (ORIGINALLY ULTRAMAFIC ROCK) - moderate to strongly schistose, talc-carbonate altered ultramafic volcanic rock. - schistosity is predominantly at 70°-80° to core bore axis, however areas of intense folding do occur. - talc alteration is strong throughout rock. - carbonate is present as both calcite & magnesite, in the form of thin blebs and seams oriented parallel to schistosity. - both talc & carbonate alteration increase in intensity towards 101', with magnesite becoming the predominant carbonate mineral. - occasional thin chloritized and serpentinized bands occur throughout unit. - a few small tremolite crystals are scattered throughout unit. - fractures are very closely spaced and are primarily randomly oriented, although some fracture set parallel to schistosity, carbonate in the form of calcite & magnesite fracture filling common, as well as defining alteration along fractures. - occasional thin quartz-carbonate vein cut rock parallel to schistosity. - overall sulphide content is 1% in the form of thin seams and blebs, along schistosity planes. - small pieces scattered throughout rock, and some minor to disc mineralization, occur as Py = 0.5%, Po = 0.25% and minor amounts of Pn (as indicated by true Ni test) and Cpy</p> <p>101'-174' GRANODIORITE? - massive fine grained to medium grained felsic intrusive rock, composed of approximately 25% matrix, 10% quartz and 65% feldspar (primarily plagioclase & minor Kspar) - possibly a feldspar gabbro. - fine grained cut margin toward 101' indicative of intrusive origin. - fractures are irregularly spaced (av. 6' apart) and are randomly oriented. - calcite is the predominant fracture filling mineral, & occasional quartz, hematite and siderite fracture filling. - minor chlorite alteration of mafics also occurs along fractures. - overall sulphide content is 0.5% primarily as small scattered Py cubes and blebs, and fine grained disc. Py throughout rock. - often oxidized to a brown tarnish colour. - occasional fragments, at some siderite (brownish-orange carbonate) present throughout rock, i.e. interstitial to plagioclase minerals. - at 124', a 1.5' band of highly brecciated quartz-hematite-limonite rich felsic rock. - occasional small vuggy sections occur throughout unit, and are usually associated & an increase in hematite-calcite mineralization.</p>		19% 3%	64	100%	8Q	SAM 62-63			
70	MIN	MIN	MIN	MIN						70	100%		73			
80	MIN	MIN	MIN	MIN						71	85%		73			
90	MIN	MIN	MIN	MIN						85	100%		73			
100	MIN	MIN	MIN	MIN						95	100%		73			
110	MIN	MIN	MIN	MIN						107	100%		73			
120	MIN	MIN	MIN	MIN						113	100%		73			
130	MIN	MIN	MIN	MIN						116	100%		73			

HOLE NO. KENNEDY-1

PROJECT: KENNEDY

PAGE NO: 6 OF 9

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: DEC. 11, 1979

REF. TO CLAIM CORNER:

COORDINATES: 12N 4+50W N. E.

DATE FINISHED: DEC. 13, 1979

SCALE: 1" = 10'

INCLINATION: -45°

BEARING: N45°E

TOTAL DEPTH: 497'

LOGGED BY: D. McIVOR

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTI-MATED
	SERP.	CHLORITE	CARBONATE												
300	NIL	MODERATE	MODERATE	X	Py	mod. fine-grained	<p><u>300'-317' TALC-CHLORITE-CARBONATE SCHIST (ALTERED ULTRAMAFIC)</u></p> <ul style="list-style-type: none"> moderate to strong schistose talc-chlorite-carbonate altered ultramafic rock schistosity predominantly at 60° to core box axis talc & chlorite alteration are pervasively strong & thin blebs and seams of carbonate (calcite & magnesite) oriented parallel to schistosity occurring throughout rock. numerous epidote crystals scattered throughout rock. occasional bands of serpentinized ultramafics occur, possibly a remnant feature of the original rock. fractures are predominantly oriented parallel to schistosity & are carbonate filled. sulphide content ≈ 0.5%, as small thin Py-Po blebs along fractures and some minor Fe diss. Py-Po mineralization - neg Ni test, unit is weakly magnetic. av. = 0.2 on Mag. S. 	19%	307	100%	BQ	305 SAM 307.2 307.5 308			
310	NIL	MODERATE	MODERATE	X	Py	mod. fine-grained	<p><u>317'-329.5' CHERTY DACITE</u></p> <ul style="list-style-type: none"> eg. aphanitic felsic intermediate (dajite) volcanic & ≈ 10% quartz very slightly schistose, as exhibited by the alignment of small mafic clots (as approx. 15% of rock) at 60°-70° to core box axis - possibly talcaceous. fractures are irreg. spaced and randomly oriented, & calcite fracture filling and chlorite alteration of mafics along fracture faces. from 320'-324.5' band of strongly schistose, chlorite altered mafic volcanic rock. occasional thin amounts of Ksp along fractures alter. small epidote veins cut through rock at random orientations sulphide content ≈ 0.5%, as Fe diss. Py-Po, & v. minor amounts of Cpy ie occasional small thin bleb along a fracture surface. 	0.5%	317	100%					
320	NIL	MODERATE	MODERATE	X	Py	mod. fine-grained	<p><u>329.5'-351' ALTERED MAFIC-ULTRAMAFIC VOLCANIC ROCK</u></p> <ul style="list-style-type: none"> moderate to strong schistose talc-chlorite-carbonate altered mafic to ultramafic volcanic rock moderate amounts of serpentine alteration also present schistosity is predominantly at 60°-70° to core box axis. talc & chlorite alteration are pervasively moderate, becoming strong along occasional bands and seams carbonate present as occasional blebs and seams oriented parallel to schistosity, and in the form of calcite fractures are irreg. spaced and randomly oriented, although one fracture set appears to parallel schistosity calcite the predominant fracture filling mineral from 346'-347.5' rock becomes extremely biotite rich (biotite as 10% brownish black mineralization grouped into soft clots and seams) overall sulphide content ≈ 0.5%, primarily as small scattered Py cubes & blebs, & some minor Py-Po Fe diss. mineralization - at 347' large Py blebs occurring unit is magnetic (re-entering ultramafic lithology), & varying intensity - neg Ni test on entire unit. from 0.2 to 2.0 on Mag. Sus, & av. reading ≈ 0.5. 	0.5%	327	100%					
330	NIL	MODERATE	MODERATE	X	Py	aligned mafic clots	<p><u>351'-357' CRYSTALLINE DACITE TUFF</u></p> <ul style="list-style-type: none"> eg. slightly crystalline intermediate volcanic tuff, & occasional cherty fragments. fractures are irreg. spaced & randomly oriented & chlorite & carbonate fracture filling occasional thin biotite rich bands & seams sulphides present in trace amounts as small scattered Py cubes, Py blebs along fractures, & some minor Fe diss. Py mineralization this unit may be some type of intrusive dyke. 	0.5%	337	100%					
340	MODERATE	MODERATE	MODERATE	X	Py	mod. fine-grained			347	100%					
350	MODERATE	MODERATE	MODERATE	X	Py	mod. fine-grained			357	100%					
360	NIL	MODERATE	MODERATE	X	Py	mod. fine-grained			TR						

HOLE NO. **KENNEDY-1**

PROJECT: **KENNEDY**

PAGE NO: **7** OF **9**

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: **DEC. 11, 1979**

REF. TO CLAIM CORNER:

COORDINATES: **12N 4150W N.**

E.

DATE FINISHED: **DEC. 13, 1979**

SCALE: **1" = 10'**

INCLINATION: **-45°**

BEARING: **N45°E**

TOTAL DEPTH: **497'**

LOGGED BY: **D. McIVOR**

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTI-MATED	
	SERP	CHLORITE	CALCITE	TALC													
360	NIL	STRONG	MOD.	NIL	Py	Py	<p>360-365' GRANODIORITE DYKE - small felsic intrusive dyke, ε a fine grained quartz-feldspar matrix and small biotite & hornblende chfs. to 25% of rock - sulphides present in trace amounts as to dis. Py - 365'-371' CHLORITE SERICITE SCHIST (ALTERATION OF LOW ORDER UNM. KAMATITE GNEISS) - sharply schistose chlorite-sericite altered meta. to ultramafic rock - minor amounts of talc and carbonate alteration are also present - schistosity predominantly at 70°-90° to core box axis. - fractures are irreg. spaced and usually parallel to schistosity - & calcite fracture fitting common - sulphides are present in trace amounts as small scattered Py cubes - unit is magnetic, reading (av.) 0.8 on Mag. Sus. - neg Ni test.</p>		TR		100%	BQ					
370	STRONG	STRONG	MOD.	NIL	Py	Py	<p>371'-497' LOW ORDER UNMAMMIF. ROCK & VARYING DEGREES & TYPES OF ALTERATION - Predominantly a sharply schistose chlorite-sericite altered ultramafic rock, with bands and saichs of talc-carbonate alteration as well as occasional thin serpentinite and epidotitic zones. - schistosity is predominantly at 70°-90° to core box axis, however areas of intense folding have altered this orientation. - fractures go irreg. spaced (av. 4-6" apart) and are usually parallel-sub parallel to schistosity - fractures are predominantly filled & carbonate in the form of calcite & magnesite - occasional biotite rich bands occur throughout rock as small, brown, soft platy blebs and thin veins of biotite. small magnetite crystals are usually found in biotite rich bands, & the rock matrix usually serpentinitized UNM (from 371-377 noticeably bio. rich) - chlorite alteration is pervasively strong throughout rock - sericite occurs as thin platy saichs - carbonate is present as thin bands and saichs oriented parallel to schistosity as well as occasional small semi-spherical blebs which may be amygdaloidal in origin. - from 398'-399.5' small felsic dyke rock. - talc-chlorite-carbonate alteration increases in intensity towards 497'; becoming the primary alteration type. - sulphides present in trace amounts, primarily as small, scattered Py cubes & blebs - very minor amounts of Gpy also present as occasional small blebs along atax fractures - neg Ni test over entire unit. - unit is weakly magnetic in places, registering 0.1-0.2 on Mag. Sus.</p>		TR	367	100%						
380	STRONG	STRONG	MOD.	NIL	Py	Py			T	377	100%						
390	STRONG	STRONG	MOD.	NIL	Py	Py			R	387	100%						
400	STRONG	STRONG	MOD.	NIL	Py	Py			A	397	100%						
410	STRONG	STRONG	MOD.	NIL	Py	Py			C.		100%						
420	STRONG	STRONG	MOD.	NIL	Py	Py			E		100%						

biotite
veins
fcl.
dyke
folding

HOLE NO. KENNEDY-1

PROJECT: KENNEDY

PAGE NO: 8 OF 9

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: DEC 11, 1979

REF. TO CLAIM CORNER:

COORDINATES: 12N 4150 N N. E.

DATE FINISHED: DEC 13, 1979

SCALE: 1" = 10'

INCLINATION: -45°

BEARING: N45°E

TOTAL DEPTH: 497'

LOGGED BY: D. McEVOR

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED
	SERP	CHALCITE	CALCITE												
420							<p>DESCRIPTIVE GEOLOGY</p> <p>Note: The sample from 437'-447' represents a random, test sample, and if any positive assay results are encountered, the remainder of the ultramafic unit can be sampled.</p>								
430	VERY MINOR	↑ MODERATE	↑ MODERATE	✓	Py					427	100%				
440				✓	Py					437	100%		437		
450				✓	Py					447	100%		447		
460				✓	Py					457	100%				
470				✓	Py					467	100%				
480				✓	Py					477	100%				
490				✓	Py										
497				✓	Py										
													8Q		

HOLE NO. *KENNEDY-1*

PROJECT: *KENNEDY*

PAGE NO: *9* OF *9*

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED: *DEC. 11, 1979*

REF. TO CLAIM CORNER:

COORDINATES: *LN 4150W N.*

E.

DATE FINISHED: *DEC. 13, 1979*

SCALE: *1" = 10'*

INCLINATION: *-45°*

BEARING: *N45°E*

TOTAL DEPTH: *497'*

LOGGED BY: *D. McIVOR*

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTI-MATED
	SERP.	CHLORITE	CALCITE	TALC.												
480							DESCRIPTIVE GEOLOGY									
480 - 490	<i>STRONG</i>	<i>STRONG</i>	<i>STRONG</i>	<i>STRONG</i>	<i>Py</i>	<i>Py</i>					<i>100%</i>					
490 - 497	<i>STRONG</i>	<i>STRONG</i>	<i>STRONG</i>	<i>STRONG</i>	<i>Py</i>	<i>Py</i>				<i>100%</i>						

Duncan McIvor

