

83-#206-#11163.

DIAMOND DRILL REPORT  
ON THE  
JACKPOT PROPERTY  
HOLES JP82-3 to JP82-11  
SOUTHEASTERN BRITISH COLUMBIA  
NELSON MINING DIVISION  
NTS 82F 3E/6E

LATITUDE 49° 09' 20"

LONGITUDE 117° 09' 20"

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**PART  
5 OF 5**

**11,163**

by

W. D. BOND AND J. R. FOSTER

NEW JERSEY ZINC EXPLORATION CO. (CANADA) LTD.

*5 years conf.*

*then replace logs in drill report*

# DIAMOND DRILL RECORD

NAME OF PROPERTY JACKPOT  
 HOLE NO. JP82-3 LENGTH 315.0 ft  
 LOCATION Hunter V. IO 2+005  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH 038° DIP -43°  
 STARTED July 3, 1982 FINISHED July 5, 1982

Uncorrected			Corrected		
FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-43°	038°	0	-43°	038°
150	-51°		150	-43°	
315	-53°		315	-46°	

HOLE NO. JP82-3 SHEET NO. 1

REMARKS \_\_\_\_\_

LOGGED BY J.R. FOSTER

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS			
FROM	TO		NO.	% SULPHIDES	FOOTAGE		Zn %	Pb %	Ag OZ/TON	Au OZ/TON
					FROM	TO				
0	6.0	CASING								
6.0	13.1	DOLOMITE/LIMESTONE MIXED UNIT (REEVES FM UNIT 4b) - fine to medium grained, light grey to white well banded at 65° to C.A. - dolomite comprises 75 to 80% of bands; bands are 1mm to 1cm wide. - sulphides are extremely rare.	3268		6.0	9.0	3.0		.01	
			3269		9.0	13.1	4.1		.01	
13.1	15.6	LIMESTONE/DOLOMITIC LIMESTONE (REEVES FM UNIT 4b) - white, medium grained, becomes finer grained and light grey downhole; minor dolomite and white siliceous bands present; some massive marble sections present. - no sulphides visible. - lower contact is gradational. - vague banding oriented 60° to C.A. changes to 45° to C.A. at 15.3 ft.	3270		13.1	15.6	2.5		.01	
15.6	23.7	LIMESTONE (REEVES FM UNIT 4b) - light to medium grey, fine to medium grained well banded at 55-60° to C.A. - very few dolomite bands. - banding defined by grain size and colour change. - no visible sulphides. - lower contact oriented at 45° to C.A.	3271		15.6	17.0	1.4		.01	
			3272		17.0	20.0	3.0		.01	
			3273		20.0	23.7	3.7		.01	

# DIAMOND DRILL RECORD

NAME OF PROPERTY JACKPOT

HOLE NO. JP82-3 SHEET NO. 2 of 13

FOOTAGE		DESCRIPTION	SAMPLE			Zn	Pb	ASSAYS		
FROM	TO		NO.	% SULPHIDES	FOOTAGE			Ag	Au	
					FROM					TO
23.7	46.0	LIMESTONE/CHERT MIXED UNIT (REEVES FM UNIT 4a) - white to pale grey, very well banded at 55° to 60° to C.A.; medium grained. - blue tinged limestone bands appear at 26.0 ft, become more numerous downhole; siliceous bands are white, pale grey or pale mauve, extremely fined grained, very pure; no sulphides observed but some dark minerals appear in 1-2mm wide laminae. - tight fracturing at low angles to C.A. appears at 32.5 ft; some black fracture controlled mineralization is present at 35.5 ft. - lower contact appears gradational.	3274		23.7	26.0	2.3	<.01		
			3275		26.0	29.0	3.0	.01		
			3276		29.0	32.0	3.0	.01		
			3277		32.0	35.0	3.0	.01		
			3278		35.0	38.0	3.0	<.01	<.001	
			3279		38.0	41.0	3.0	<.01		
			3280		41.0	44.0	3.0	<.01		
			3281		44.0	46.0	2.0	<.01		
46.0	76.0	LIMESTONE/DOLOMITIC LIMESTONE (REEVES FM UNIT 4a) - fine grained with medium grained bands, siliceous bands present but much less than in preceding unit; dolomite bands are rare; unit is well banded at 55° to C.A.; rare coarse grained marble bands present. - numerous black laminae give unit a distinct appearance, laminae are up to 3mm wide, probably consist of amorphous carbon and serpentine + sulphides. - contorted laminae and bands indicate very tight folding. - some metallic mineralization appears in black laminae; py noted, overall sulphides much less than 1%. 48.0 - 49.0 ft - concentration of black laminae 54.0 - 55.0 ft - concentration of black laminae 57.5 - 60.0 ft - concentration of black laminae	3282		46.0	48.0	2.0	<.01		
			3283		48.0	49.0	1.0	<.01	<.001	
			3284		49.0	52.0	3.0	<.01		
			3285		52.0	54.0	2.0	<.01		
			3286		54.0	55.0	1.0	<.01		
			3287		55.0	57.5	2.5	<.01		
			3288		57.5	60.0	2.5	<.01		
			3289		60.0	63.0	3.0	<.01		
			3290		63.0	66.0	3.0	<.01		
			3291		66.0	69.0	3.0	<.01		
			3292		69.0	72.0	3.0	<.01		
			3293		72.0	76.0	4.0	<.01		

# DIAMOND DRILL RECORD

NAME OF PROPERTY JACKPOT  
 HOLE NO. JP82-3 SHEET NO. 3 of 13

FOOTAGE		DESCRIPTION	SAMPLE				Zn	Pb	ASSAYS		Au	
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	Ag		Au
					FROM	TO	TOTAL			OZ TON	OZ TON	
76.0	89.2	LIMESTONE, DOLOMITIC LIMESTONE (REEVES FM UNIT 4a) - similar to above unit but with very rare black laminae present - some siliceous bands are present; banding oriented at 55° to 60° to C.A. - sulphide content very low to nil, very rare py present, becomes more abundant downhole.	3294		76.0	79.0	3.0			.01		
		84.7 - 86.3 ft - fine grained dark grey limestone with white and pale green dolomite bands up to 1cm wide; py found as very fine disseminations locally up to 5% in a 1 cm wide band, some black laminae are present.	3295		79.0	82.0	3.0			<.01		
			3296		82.0	84.7	2.7			<.01		
			3297		84.7	86.3	1.6			<.01		
			3298		86.3	88.0	1.7			<.01		
			3299		88.0	89.2	1.2			<.01		
		86.3 - 86.8 ft - intermixed white chert and dolomite, no visible mineralization.										
		86.8 - 88.0 ft - fine grained dark grey limestone similar to section at 84.7 to 86.3ft; banding oriented at 65° to C.A.; 3% py occurs as very fine disseminations; rare galena grains present; some black laminae are present.										
		88.0 - 89.2 ft - well banded limestone with minor dolomite and chert bands; unit has subtle brecciated appearance; py up to 1% as fine grained disseminations; some extremely fine galena or tetrahedrite is present as disseminations; few black laminae are present.										



# DIAMOND DRILL RECORD

NAME OF PROPERTY JACKPOT  
 HOLE NO. JP82-3 SHEET NO. 4 of 13

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			Zn	Pb	Ag	Au
					FROM	TO	TOTAL	%	%	OZ. TON	OZ. TON
89.2	98.8	CHERT-LIMESTONE-WOLLASTONITE MIXED UNIT (REEVES FM UNIT 4a) - very well banded with alternating white chert, white wollastonite and grey limestone bands up to 5cm wide.	3300		89.2	91.1	1.9			<.01	
		89.2 - 91.1 ft - first appearance of wollastonite bands mixed with chert, little or no grey limestone present; sulphides rare.	3301		91.1	93.3	1.2			<.01	
		91.1 - 91.4 ft - fine grained medium grey limestone, well fractured at low angle to C.A.; some black laminae and fractures oriented at 50° to 60° to C.A.; some black carbonaceous mineralization has been remobilized into later low angle to C.A. fractures; sulphide content negligible.									
		91.4 - 92.0 - white chert with rare wollastonite and limestone bands.									
		92.0 - 92.5 ft - grey limestone with minor white wollastonite bands; very minor py present.									
		92.5 - 93.3 ft - pale green limestone and white chert mixed section; contorted bands indicate intense folding; no sulphides visible.	3303		94.8	98.8	4.0			<.01	
		93.3 - 94.8 ft - grey limestone; minor py present, less than 1%; some black laminae and fractures present; section ends with yellow-green calcite localized along low angle to C.A. fractures and in irregular bands accompanied by black carbonaceous mineralization and rare orange-red sph grains.									

# DIAMOND DRILL RECORD

NAME OF PROPERTY JACKPOT

HOLE NO. JP82-3 SHEET NO. 5 of 13

FOOTAGE		DESCRIPTION	SAMPLE			Zn %	Pb %	ASSAYS	
FROM	TO		NO.	% SULPHIDES	FOOTAGE			Ag OZ TON	Au OZ TON
					FROM	TO	TOTAL		
		94.8 - 98.8 ft - wollastonite and chert section, well banded at 60° to C.A.							
98.8	120.1	CHERT/WOLLASTONITE MARKER UNIT (REEVES FM UNIT 4a) - unit is distinguished by appearance of mauve chert bands, often brecciated, intermixed with white wollastonite bands; locally unit has minor blue limestone bands oriented at 60° to C.A. - no visible sulphides are present, but dark grey disseminated patches suggest some very fine mineralization may occur as secondary coatings localized on fracture or crystal faces.	3304		98.8	101.0	2.2	.03	
		98.8 - 104.4 ft - mostly mauve chert.	3305		101.0	104.4	3.4	.02	
		104.4 - 113.0 ft - mostly mauve chert and white wollastonite bands oriented at 60° to C.A.; some black carbonaceous fractures are present at 104.4 - 104.7 ft.	3306		104.4	106.5	2.1	.01	<.001
		113.0 - 120.1 ft - mostly mauve chert, no visible mineralization.	3307		106.5	108.2	1.7	<.01	
		120.1 ft - lower contact at 60° to C.A.	3308		108.2	111.0	2.8	<.01	
			3309		111.0	113.0	2.0	<.01	
			3310		113.0	115.9	2.9	.01	
			3311		115.9	118.5	2.6	<.01	
			3312		118.5	120.1	1.6	<.01	
120.1	144.1	LIMESTONE-CHERT WOLLASTONITE MIXED UNIT (REEVES FM UNIT 4a) - fine grained medium grey limestone with bands of white chert and white wollastonite and minor white to light grey dolomitic limestone. - unit has numerous black carbonaceous fractures, decreasing in quantity downhole, and very fine patchy grey disseminated mineralization, which may be tetrahedrite or graphite (too fine to positively identify). - banding is at 70° to 80° to C.A. shows tendency to approach 90° to C.A. downhole.	3313		120.1	121.6	1.5	<.01	
		120.1 - 121.6 ft - numerous black carbonaceous fractures decreasing in quantity downhole; two fracture directions at 70° and 110° to C.A. occur; rare py present; chert bands appear at 121.2 ft.							

# DIAMOND DRILL RECORD

NAME OF PROPERTY JACKPOT

HOLE NO. JP82-3 SHEET NO. 6 of 13

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			Zn %	Pb %	Ag OZ TON	Au OZ TON	
					FROM	TO	TOTAL					
	121.6 - 122.1 ft	- mainly chert and light grey limestone bands banding on 1 - 5mm scale oriented at 80° to C.A. mineralization not observed but may be present in wispy dark grey discontinuous laminae oriented at 85° to C.A.	8314		121.6	123.5	1.9			<.01		
			8315		123.5	124.6	1.1			<.01		
			8316		124.6	126.0	1.4			<.01		
			8317		126.0	128.0	2.0			.05		
			8318		128.0	130.2	2.2			.05		
			8319		130.2	133.5	3.3			<.01		
	122.1 - 122.9 ft		- white to medium grey banded limestone with minor dolomitic limestone bands, mineralization occurs as very fine medium grey patches of graphite (?) and as discrete black metallic grains tetrahedrite ?)	8320		133.5	135.8	2.3			.01	
				8321		135.8	138.1	2.3			<.01	
				8322		135.1	139.5	1.4			<.01	
	122.9 - 123.5 ft	- white limestone, no apparent mineralization.										
	123.5 - 124.6 ft	- white chert, no visible mineralization banding at 80° to C.A.										
	124.6 - 126.0 ft	- medium grey limestone section with few black fractures present, no other mineralization is present.										
	126.0 - 130.2 ft	- white to pale green chert with mauve chert bands and white wollastonite bands; no apparent mineralization.										
	130.2 ft	- banded oriented at 20° to C.A.										
	130.2 - 135.8 ft	- medium to dark grey fine grained limestone some chert bands; well banded, banding becomes contorted, parallel to C.A. at 131.2 to 132.3 ft, very fine black mineralization is present, possibly tetrahedrite or galena, or very fine graphite; mineralization probably only amounts to 1 - 2% overall.										

# DIAMOND DRILL RECORD

NAME OF PROPERTY JACKPOT  
 HOLE NO. JP82-3, SHEET NO. 7 of 13

FOOTAGE		DESCRIPTION	SAMPLE			Zn	Pb	ASSAYS		Au
FROM	TO		NO.	% SULPH IDES	FOOTAGE		%	%	OZ TON	OZ TON
					FROM	TO				
	135.8 - 144.1 ft	- mixed pale blue limestone and pale grey to white limestone with white to light grey chert bands; insignificant patchy fine grained grey disseminations (graphite?) are present; black fractures and laminae are rare to non-existent.								
	137.8 ft	- pink calcite band.								
	138.7 ft	- core intersected nose of tight fold, fold axis oriented at 90° to C.A.; black graphite (?) and py + rare sph is concentrated in nose of fold.								
	139.0 ft	- sky blue non-reactive mineral appears on fracture surface, colour fades on exposure; previously noted on walls of Hunter V glory hole near mineralized zones; probably talc	3323		139.5	142.0	2.5		<.01	
			3324		142.0	144.1	2.1		<.01	
	139.0 - 140.2 ft	- very contorted banding, bands sub-parallel to C.A. abruptly change to 85° to C.A. at 140.2 ft.								
	140.0 - 144.1 ft	- pale blue limestone and white chert unit; locally weak mineralization, consisting of orange sph with tetrahedrite(?) at 142.3 ft and black mineralization at 143.3 ft; no continuous black laminae or fractures present.								

# DIAMOND DRILL RECORD

NAME OF PROPERTY \_\_\_\_\_

JACKPOT

HOLE NO. JP82-3

SHEET NO. 8 of 13

FOOTAGE		DESCRIPTION	SAMPLE			Zn	Pb	ASSAYS		
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	Ag	Au
					FROM	TO			TOTAL	OZ TON
		144.1 ft								
144.1	157.4	- lower contact gradational; arbitrarily set where black laminae reappear.  DOLOMITIC LIMESTONE (REEVES FM UNIT 4a) - light grey, fine grained, banding oriented at 85° to C.A. - some medium grained pale blue limestone sections are present; chert bands are present, but not numerous. - mineralization appears to be confined to black laminae.								
		144.5 - 146.5 ft								
		146.5 - 148.0 ft								
		148.0 - 149.4 ft								
		149.4 - 150.7 ft								
		150.7 - 157.4 ft								
		157.4 ft								
			3325		144.1	146.5	2.4		<.01	
			3326		146.5	148.0	1.5		.01	<.001
			3327		148.0	149.4	1.4		<.01	
			3328		149.4	150.7	1.3		.01	
			3329		150.7	152.4	1.7		.02	
			3330		152.4	155.6	3.2		.01	
			3331		155.6	157.4	1.8		<.01	



# DIAMOND DRILL RECORD

 NAME OF PROPERTY JACKPOT

 HOLE NO. JP82-3 SHEET NO. 9 of 13

FOOTAGE		DESCRIPTION	SAMPLE			Zn	Pb	ASSAYS	Au		
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ TON	OZ TON	
					FROM	TO					TOTAL
157.4	159.8	CHERT/WOLLASTONITE UNIT (REEVES FM UNIT 4a) - mostly white chert banded vaguely at 55° - 60° to C.A. 157.7 - 158.0 ft - chert-wollastonite section with black laminae + tetrahedrite. 158.0 - 158.6 ft - some possible disseminated tetrahedrite grains. 159.8 ft - lower contact at 65° to C.A.	3332		157.4	159.8	2.4			<.01	
159.8	172.6	DOLOMITE-LIMESTONE-CHERT MIXED UNIT (REEVES FM UNIT 4a) - approximately equal amounts of dolomite, limestone and chert; unit distinguished by lack of black mineralized laminae. - banding oriented at 65° to C.A. - grain size ranges from extremely fine to fine grained for chert and dolomite, to medium grained for pure white limestone sections. - very little mineralization observed; minor py noted at 172.6 only. 159.8 - 161.4 ft - contorted banding indicates intense folding. 164.0 - 166.5 ft - chert-wollastonite section. 172.6 ft - lower contact arbitrarily set at first appearance of black laminae; contact at 65° to C.A.	3333		159.8	163.0	3.2			<.01	
			3334		163.0	166.0	3.0			<.01	
			3335		166.0	169.0	3.0			<.01	
			3336		169.0	172.6	3.6			<.01	
172.6	182.4	LIMESTONE-DOLOMITIC LIMESTONE MIXED UNIT (REEVES FM UNIT 4a) - limestone bands are fine grained light grey to medium grained white; dolomite bands are fine grained light grey only distinguished by HCl reaction from similar limestone bands. - sulphide mineralization appears in all lithologies, while black laminae tend to concentrate in fine grained limestone and dolomitic limestone. - banding and black laminae oriented at 55° to C.A. - overall py content is 1%, locally up to 10%, as disseminated fine grained mineralization; also po and sph present.	3337		172.6	176.0	3.4	.02		<.01	

# DIAMOND DRILL RECORD

NAME OF PROPERTY JACKPOT

HOLE NO. JP82-3 SHEET NO. 10 of 13

FOOTAGE		DESCRIPTION	SAMPLE				Zn	Pb	ASSAYS	
FROM	TO		NO.	% SULPHIDES	FOOTAGE				%	%
					FROM	TO	TOTAL	oz ton		
		176.0 - 179.0 ft								
		- appearance of 1 - 2% disseminated sph, 4 - 5% py and minor po; sulphides not associated with black laminae but more or less evenly disseminated with some minor local concentrations; Zn less than 1%.	3338	7%	176.0	179.0	3.0	.30	.01	
		179.0 - 182.4 ft	3339	5%	179.0	182.4	3.2	.04	<.01	
		- sph content becomes negligible, py continues to 180.0 ft then decreases to 1 - 2% overall.								
		182.4 ft								
		- lower contact at 65° to C.A.; marked by abrupt colour change.								
182.4	197.0	LIMESTONE-DOLOMITIC LIMESTONE - DOLOMITE MIXED UNIT (REEVES FM UNIT 4a)								
		- very distinctive appearance; unit is laminated on 1 - 3mm scale rather than banded on 1 cm + scale; laminations are strongly contorted, boudined, dragfolded and partially brecciated giving unit a patchy or mottled appearance.	3340	2%	182.4	185.4	3.0	.13	<.01	
		- sulphides are ubiquitous but unevenly distributed, tending to increasing downhole; overall sulphide content is 5%, locally 10 - 20%, mostly as 3 - 5% py and 1 - 2% sph with rare galena.								
		- sph appears as discrete disseminations, patchy fine grained aggregates and occasionally as semi-massive discontinuous bands or patches.								
		182.4 - 185.4 ft								
		- 1 - 2% py, rare sph, numerous contorted black mineralized fractures and laminae.								

# DIAMOND DRILL RECORD

 NAME OF PROPERTY JACKPOT

 HOLE NO. JP82-3 SHEET NO. 11 of 13

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			Zn	Pb	Ag	Au
					FROM	TO	TOTAL	%	%	OZ TON	OZ TON
		185.4 - 189.5 ft	3341	5%	185.4	189.5	4.1	.34	<.01	.02	
			3342	3%	189.5	192.3	2.8	.27	<.01	.01	
			3343	6%	192.3	197.0	4.7	.64	<.01	.01	
		189.5 - 192.3 ft									
		192.3 - 197.0 ft									
		197.0 ft									
197.0	220.0	DOLOMITIC LIMESTONE (REEVES FM UNIT 4a)									
		- almost entirely fine to medium light grey dolomitic limestone with occasional fine grained light grey limestone and medium grained white calcite bands.	3344	2%	197.0	201.0	4.0	.23	<.01		
			3345	3%	201.0	205.0	4.0	.05	<.01		
			3346	5%	205.0	209.0	4.0	.04	.04		
		- sulphides are present in lower percentage overall than in previous section; average content is 3%, mostly strongly magnetic po, minor py and sph.	3347	3%	209.0	213.0	4.0	.02	.01		
			3348	3%	213.0	217.0	4.0	.16	.02		
		- banding oriented at 60° to C.A.	3349	1%	217.0	220.0	3.0	.12	.01		
		209.4 - 209.5 ft									
		- 70% po + py, rare sph									
		- lower contact at abrupt change from dolomitic limestone to dolomite.									

# DIAMOND DRILL RECORD

 NAME OF PROPERTY JACKPOT

 HOLE NO. JP82-3 SHEET NO. 12 of 13

FOOTAGE		DESCRIPTION	SAMPLE			Zn	Pb	ASSAYS		Au	
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ TON	OZ TON	
					FROM	TO					TOTAL
220.0	233.3	DOLOMITE (REEVES FM UNIT 4b) - fine to medium grained, light grey, very weak HCl reaction. - some medium grained white dolomite bands appear mostly in upper half of unit. - overall sulphide content is less than 1% with approximately equal amounts of py and sph as disseminated grains or locally concentrated in narrow bands and laminations.	3350		220.0	224.0	4.0			<.01	
			13463		224.0	227.0	3.0			<.01	
			13464		227.0	230.0	3.0			<.01	
			13465		230.0	233.3	3.3			<.01	
233.3	288.0	DOLOMITE (REEVES FM UNIT 4b) - white medium to coarse grained some limited variation in colour and grain size. - overall poorly mineralized, sulphides are locally segregated into semi-massive to massive mineralized bands. 240.0 - 254.9 ft - light grey fine to medium grey dolomite coloured by impurities; overall sulphide content less than 1%; local concentrations of massive sph at 252.6 ft, 254.2ft, 254.5 ft, 254.6 to 254.7 ft 254.9 - 279.8 ft - medium to coarse grained white dolomite, negligible mineralization. 279.8 - 281.4 ft - semi-massive py and sph mineralization in dolomitic limestone; some po present; 10% sph and 25% py; Zn = 4 - 5%. 281.4 - 288.0 ft - fine to medium grained white dolomite, sulphides rare.	13466		233.3	237.0	3.7	.150		<.01	
			13467		237.0	240.0	3.0			<.01	
			13468		240.0	243.0	3.0			<.01	
			13469		243.0	246.0	3.0			<.01	
			13470		246.0	249.0	3.0			<.01	
			13471		249.0	252.0	3.0			<.01	
			3351	1%	252.0	255.0	3.0			.01	
			13472		277.0	279.8	2.8	.217			
			3352	35%	279.8	281.4	1.6	4.39	.05	.07	<.001
			13473		281.4	284.0	2.6	.040			

# DIAMOND DRILL RECORD

NAME OF PROPERTY JACKPOT  
 HOLE NO. JP82-3 SHEET NO. 13 of 13

FOOTAGE		DESCRIPTION	SAMPLE				Zn	Pb	ASSAYS			
FROM	TO		NO.	% SULPHIDES	FOOTAGE				%	%	Ag	Au
					FROM	TO					TOTAL	OZ TON
288.0	292.4	LIMESTONE (REEVES FM UNIT 4c) - medium grained, light grey, vague banding; negligible sulphides.										
292.4	299.2	LIMESTONE (REEVES FM UNIT 4c) - medium to coarse grained, white, negligible sulphides.										
299.2	302.2	SKARN - skarnification consists of introduction of silica, radical grain size changes, formation of diopside and garnet	3353		299.2	300.6	1.4		<.01	<.001		
		299.2 - 300.6 ft - limestone becomes fine grained medium grey with red tinge.	13441		301.8	302.0	0.2			<.003		
		300.6 - 301.5 ft - grain size coarsens, limestone is strongly silicified; appearance of pale green diopside.										
		301.5 ft - garnet band										
		301.6 - 302.2 ft - siliceous white granitoid dyke (?) with green hornblende.										
302.2	313.0	FELDSPAR PORPHYRY - feldspar porphyritic, extremely siliceous, matrix is aphanitic; unit has pale purple-green colour. - some abrupt grain size changes. - core very fractured. - sulphide content negligible	3354		305.0	308.0	3.0		<.01	<.001		
313.0	315.0	GRANITE - white, fine grained with equant feldspar phenocrysts up to 2mm. - 5% biotite present. - sulphide content negligible, only py noted										
315.0		END OF HOLE										

LANGRIGES - TORONTO - 366-1168



# DIAMOND DRILL RECORD

NAME OF PROPERTY JACKPOT  
 HOLE NO. JP82-4 LENGTH 264.0 ft  
 LOCATION HUNTER V L4+00W 2+20.5 collared 11 ft E of L4+00W  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH 040° DIP -41°  
 STARTED JULY 6, 1982 FINISHED JULY 7, 1982

Uncorrected			Corrected		
FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-41°	040°	0	-41°	040°
264	-52°		264	-44.5	

HOLE NO. JP82-4 SHEET NO. 1

REMARKS extremely hard ground-  
at end of hole, rods binding  
badly

LOGGED BY J.R. FOSTER

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS			
FROM	TO		NO.	SULPHIDES	FOOTAGE		Zn %	Pb %	Ag OZ/TON	Au OZ/TON
					FROM	TO				
0	4.0	CASING								
4.0	26.1	LIMESTONE (REEVES FM UNIT 4a) - well banded fine to medium grained light grey limestone with minor dolomitic limestone bands and occasional medium to coarse grained massive limestone. - minor black carbonaceous laminae are present. - sulphides rare, only po noted. - orientation of banding is variable, indicating strong folding; banding changes from 45° to C.A. at 5.0 ft to 30° to C.A. at 16.0 ft to 0° to C.A. at 17.0 - 20.0 ft to 90° to C.A. at 24.0 ft.	3359		4.0	8.0	4.0			<.01
			3360		8.0	12.0	4.0			<.01
			3361		12.0	16.0	4.0			<.01
			3362		16.0	20.0	4.0			<.01
			3363		20.0	23.0	3.0			<.01
			3364		23.0	26.1	3.1			<.01
26.1	28.2	CHERT (REEVES FM UNIT 4a) - very fine grained, white, weakly colour banded at 35° to C.A. - no visible mineralization.	3365		26.1	28.2	2.1			<.01
28.2	35.7	LIMESTONE (REEVES FM UNIT 4a) - fine to medium grained light grey banded limestone with occasional medium to coarse grained blue tinged massive limestone sections. - banding oriented at 25° to C.A. - negligible sulphide content.	3366		28.2	32.0	3.8			<.01
			3367		32.0	35.7	3.7			<.01

# DIAMOND DRILL RECORD

 NAME OF PROPERTY JACKPOT

 HOLE NO. JP82-4 SHEET NO. 2 of 6

FOOTAGE		DESCRIPTION	SAMPLE			Zn	Pb	ASSAYS		Au	
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ TON	OZ TON	
					FROM	TO					TOTAL
35.7	56.7	CHERT - LIMESTONE - DOLOMITIC LIMESTONE MIXED UNIT (REEVES FM UNIT 4a) - mostly fine to medium grained light grey limestone with white banded chert sections and minor dolomitic limestone bands. - banding oriented at 20° to C.A. at 35.7 to 40.0 ft, changes to 65° to C.A. at 55.0 ft. 35.7 - 46.7 ft - mostly fine grained white chert, well banded, negligible sulphides 46.7 - 51.9 ft - mostly fine to medium grained grey limestone with numerous chert bands increasing downhole; negligible sulphides. 51.9 - 56.7 ft - mostly white chert, negligible sulphides 53.8 - 53.9 ft - pink calcite vein 54.6 - 55.5 ft - mauve chert section similar to unit in JP82-3 at 98.8 to 120.1 ft.	3368		35.7	39.0	3.3	<.01	<.01	.01	
			3369		39.0	43.0	4.0	<.01	<.01	.01	
			3370		43.0	46.7	3.7	<.01	<.01	.01	
			3355		46.7	49.7	3.0			<.01	
			3371		49.7	53.0	3.3	.01	<.01	.01	
			3373		53.0	56.7	3.7	.01	<.01	.01	
56.7	63.5	LIMESTONE (REEVES FM UNIT 4a) - fine grained, medium grey, black carbonaceous laminae become common. - sulphide content rises to 1 - 2% overall, only py identified as very fine disseminated grains, sph may be present at 61.7 ft. - vague banding oriented at 45° to C.A. - lower contact oriented at 20° to C.A.	3356	1%	56.7	60.0	3.3			.06	
			3357	2%	60.0	63.5	3.5			.02	
63.5	65.4	CHERT (REEVES FM UNIT 4a) - pale green tinge due to presence of epidote or diopside; - scattered reddish sph grains present	3358		63.5	65.4	1.9			.03	

# DIAMOND DRILL RECORD

NAME OF PROPERTY JACKPOT  
 HOLE NO. JP82-4 SHEET NO. 3 of 6

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE		Zn	Pb	Ag	Au	
					FROM	TO	%	%	OZ TON	OZ TON	
65.4	84.0	LIMESTONE (REEVES FM UNIT 4a) - medium grey, fine to medium grained with disseminated sulphides and numerous black carbonaceous laminae - unit has laminated (1-3mm scale) appearance, similar to mineralized unit in JP82-3 at 120.1 - 144.1 ft. - laminations oriented at 50-55° to C.A. 65.4 - 69.0 ft - 1% po and some sph; numerous black carbonaceous laminae at 20° to C.A. 76.3 - 77.3 ft - appearance of 1-2mm wide dark green serpentine filled laminae at 40° to C.A.	3395	1%	65.4	69.0	3.6	.07	.01	.02	<.001
			3396	1%	69.0	73.0	4.0	.09	.01	.01	
			3397	2%	73.0	77.0	4.0	.16	.02	.01	
			3387	2%	77.0	81.0	4.0	.13	.01	.02	
			3372	1%	81.0	84.0	3.0	.10	.01	.02	
			3388	2%	84.0	87.0	3.0	.17	.05	.07	
			3374	2%	87.0	90.0	3.0	.35	.01	.02	
			3375	2%	90.0	92.5	2.5	.04	.01	.03	
			3376	1%	92.5	95.1	2.6	.12	<.01	.01	
			3377	5%	95.1	99.0	3.9	.16	<.01	.01	
84.0	142.7	DOLOMITIC LIMESTONE (REEVES FM UNIT 4b) - weak to moderate dolomitization - sulphide content up to 5% overall; mostly po with lesser py, sph and minor galena; locally concentrations are up to 10%. 84.0 - 87.0 ft - first appearance of galena crystals up to 1mm, usually closely associated with po; disappearance of black carbonaceous laminae 92.5 - 95.1 ft - mostly dolomitic limestone with po, py; sph beginning to increase but still less than 1% overall. 95.1 - 99.0 ft - sulphides increase to 5% overall, Zn = 0.5%; lamination at 45° to C.A. 99.0 - 103.0 ft - Sph content diminishes, sulphides almost entirely po and minor py. 103.0 - 107.0 ft - 2% po, other sulphides are rare; reappearance of black carbonaceous mineralization locally.	3378	4%	99.0	103.0	4.0	.05	<.01	.01	
			3379	2%	103.0	107.0	4.0	.03	<.01	.01	

LANGRIDGE LIMITED - TORONTO - 366-1168

# DIAMOND DRILL RECORD

 NAME OF PROPERTY JACKPOT

 HOLE NO. JP82-4 SHEET NO. 4 of 6

FOOTAGE		DESCRIPTION	SAMPLE				Zn	Pb	ASSAYS		
FROM	TO		NO.	% SULPHIDES	FOOTAGE				%	%	Ag
					FROM	TO	TOTAL	OZ TON			OZ TON
107.0	117.1	- limestone becomes brecciated; black carbonaceous laminae become very common, up to 5mm wide, but discontinuous due to brecciation, several massive white wollastonite sections, sulphide content drops to 1% overall, mostly po + py.	3380	1%	107.0	110.0	3.0			.01	
			3381	1%	110.0	114.0	4.0			<.01	
			3382	1%	114.0	117.1	3.1			<.01	
			3383	2%	117.1	121.0	3.9	.08	.01	.04	
			3384	1%	121.0	124.0	3.0	.05	.01	.03	
			3385	8%	124.0	127.4	3.4	.12	.10	.11	<.001
			3386	5%	127.4	132.3	4.9	.17	<.01	.04	
117.1	121.0	- appearance of minor cherty bands and patches; sulphide content up to 2% overall, mostly po + py, some galena and sph present.	3389	8%	132.3	136.0	3.7	.64	.01	.05	
			3390	3%	136.0	139.0	3.0	.10	.02	.08	
			3391	1%	139.0	142.7	3.7	.06	<.01	.02	
124.0	127.4	- sulphide content increases to 8% overall, mostly coarse blebs of po with minor py, rare galena and sph.									
127.4	132.3	- black carbonaceous laminae decrease; sulphides become much finer grained than in preceding core interval; sph increases 2-3%, Zn = 1-2%, interval is mostly dolomitic limestone.									
132.3	136.0	- unit becomes less dolomitized; sulphides increase to 8% overall, up to 3% sph present, Zn = 1-2%; other sulphides are po and py in roughly equal amounts.									
136.0	139.0	- some brecciated black carbonaceous bands oriented at 65° to C.A. overall sulphide content decreases to 3%, mostly po, py and minor sph.									
139.0	142.7	- limestone becomes dolomitic, black carbonaceous bands and laminae disappear, sulphide content decreases to 1% overall, mostly po, py; locally minor oxidation along fractures.									



# DIAMOND DRILL RECORD

 NAME OF PROPERTY JACKPOT

 HOLE NO. JP82-4 SHEET NO. 5 of 6

FOOTAGE		DESCRIPTION	SAMPLE			Zn	Pb	ASSAYS		
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	Ag	Au
					FROM	TO			TOTAL	OZ. TON
142.7	154.3	DOLOMITE (REEVES FM UNIT 4b) - fine to medium grained white to light grey, vaguely banded at 60° to C.A. - overall sulphide content is less than 1%, locally concentrated to 10% in narrow bands; py and sph are present in approximately equal amounts. - locally weak oxidization of sulphides along fractures.	3392		142.7	147.0	4.3	.01	.01	
			3393		147.0	152.0	5.0	.11	.01	
			3394		152.0	154.3	2.3	.09	.02	
154.3	158.2	FELDSPAR PORPHYRY - white equant feldspar phenocrysts in aphanitic very siliceous matrix; similar to felsic volcanic/porphyry in JP82-3. - core is very blocky, slightly oxidized. - contact with dolomite is marked by feldspar-talc skarn zone is 3 ft wide; contact irregular, oriented at 60° to C.A.	3400		154.3	157.8	3.5		.03	<.001
158.2	160.0	GRANODIORITE DYKE - medium grained, with 5-10% biotite and 1% po + py. - dyke is almost entirely oxidized, giving it a pale orange colour; oxidization cuts across lower contact with feldspar porphyry.								
160.0	163.0	FELDSPAR PORPHYRY - similar to unit at 154.3 - 158.2 ft - porphyry is intrusive into underlying diorite as indicated locally by diorite inclusions in porphyry.	13462		160.0	163.0	3.0			<.003
163.0	166.6	FELDSPAR PORPHYRY/DIORITE HYBRID UNIT - mostly medium grained diorite inclusions as described below in siliceous feldspar porphyry. - some biotite-rich (argillaceous?) fragments are present.								
166.6	235.0	DIORITE - medium grained, 40% mafic minerals (biotite and hornblende) - sulphides negligible.								



# DIAMOND DRILL RECORD

NAME OF PROPERTY JACKPOT  
 HOLE NO. JP82-4 SHEET NO. 6 of 6

FOOTAGE		DESCRIPTION	SAMPLE				Zn	Pb	ASSAYS		
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	Ag	Au	
					FROM	TO			TOTAL	OZ TON	OZ TON
235.0	239.1	INTRUSIVE BRECCIA - siliceous matrix with numerous diorite, feldspar porphyry and argillaceous fragments. - overall sulphide content is 1 - 2% py + po.	3398	2%	235.0	239.1	4.1			.01	<.001
239.1	242.8	DIORITE - similar to diorite at 166.6 - 235.0 ft; becomes strongly altered toward lower contact; alteration consists of biotite becoming brown (ie phlogopite?) then totally disappearing, feldspars become greenish and weakly carbonatized. - lower contact at 55' to C.A.									
242.8	248.9	FELDSPAR PORPHYRY - aphanitic matrix with feldspar phenocrysts and pale green epidote; matrix is pale purple, extremely siliceous. - upper and lower contacts are weakly brecciated, altered to pale green colour (ie epidotization?).									
248.9	264.0	INTRUSIVE BRECCIA - similar to unit at 235.0 - 239.1 ft - lower contact is gradational to feldspar porphyry - sulphide content increases to 20% near 251.0 ft; overall content is 2-3%. - unit has occasional sections of fragment - free feldspar porphyry.	3399	2-3%	248.9	251.6	3.7			<.01	<.001
264.0		END OF HOLE <i>[Handwritten signature]</i>									

# DIAMOND DRILL RECORD

NAME OF PROPERTY JACKPOT  
 HOLE NO. JP82-5 LENGTH 276.0 ft  
 LOCATION LINE JP5 3 + 15S  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH 360° DIP -35°  
 STARTED JULY 7, 1982 FINISHED JULY 11, 1982

Uncorrected			Corrected		
FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-35°	360°	0	-35°	360°
150	-43°		150	-36°	
250	-43°		250	-36°	

HOLE NO. JP82-5 SHEET NO. 1

REMARKS \_\_\_\_\_

LOGGED BY J.R. FOSTER

FOOTAGE		DESCRIPTION	SAMPLE			ANALYSES				
FROM	TO		NO.	SULPHIDES	FOOTAGE		Zn	Pb	Ag	Au
					FROM	TO	%	%	OZ/TON	OZ/TON
0	10.0	CASING								
6.0	24.8	DIORITE - medium grained, 25% mafics (biotite and green amphibole). - weakly foliated. - overall sulphide content less than 1%, only py and py recognized. - lower contact oriented at 50° to C.A.								
24.8	29.4	SKARN (TRUMAN FM) - very fine grained, very siliceous, well laminated on 1-2mm scale; laminations are alternating quartz-rich and diopside rich laminae oriented at 35° to C.A. - sulphide content up to 1% overall; mostly py, rare galena - purple brecciated fragments appear near lower contact. 28.5 - 29.3 ft - some diorite debris present 29.3 - 29.4 ft - lower contact is granitized, grain size coarsens, feldspar and quartz are introduced, contact oriented at 35° to C.A.	A001		24.8	29.4	4.6		<.01	
29.4	31.5	GRANITE - medium grained, 5% mafics - sulphide content negligible - lower contact oriented at 20° to C.A.	A002		29.4	31.5	2.1		<.01	

# DIAMOND DRILL RECORD

NAME OF PROPERTY JACKPOT

HOLE NO. JP82-5 SHEET NO. 2 of 8

FOOTAGE		DESCRIPTION	SAMPLE			Zn	Pb	ASSAYS		Au	
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ. TON	OZ. TON
					FROM	TO	TOTAL				
31.5	86.7	<p>SKARN (TRUMAN FM)</p> <ul style="list-style-type: none"> <li>- very fine grained, siliceous, pale green.</li> <li>- well laminated, laminations are contorted, indicating small scale dragfolds and crenulations.</li> <li>- purple biotite-rich angular fragments are common, may represent argillaceous clasts.</li> <li>- silica-rich sections lack biotite-rich fragments.</li> <li>- sulphide content is low, generally less than 1% py and rare cpy, some galena present; sulphides difficult to separate from abundant phlogopite/biotite in matrix.</li> <li>- laminations are oriented sub-parallel to C.A. from 5-25°.</li> <li>- biotite-rich clasts decrease downhole</li> <li>- lower contact oriented at 70° to C.A.</li> </ul>	A003		31.5	35.0	4.5				<.001
			A004		35.0	39.0	4.0				<.001
			A005		39.0	43.0	4.0			<.01	
			A006		43.0	47.0	4.0			<.01	
			A007		47.0	51.0	4.0			<.01	<.001
			A008		51.0	55.0	4.0			<.01	
			A009		55.0	59.0	4.0			<.01	
			A010		59.0	63.0	4.0			<.01	
			A011		63.0	67.0	4.0			<.01	
			A012		67.0	71.0	4.0			<.01	
			A013		71.0	75.0	4.0			<.01	
			A014		75.0	79.0	4.0			<.01	<.001
			A015		79.0	83.0	4.0			<.01	
86.7	91.7	<p>DIORITE/GRANODIORITE</p> <ul style="list-style-type: none"> <li>- upper contact zone is mafic rich to 88.0 ft; has abrupt contact with granodiorite phase.</li> <li>- overall sulphide content less than 1%.</li> </ul>	A016		83.0	86.7	3.7			<.01	
			A017		86.7	91.7	5.0			<.01	
91.7	115.5	<p>ARGILLITE (ACTIVE FM)</p> <ul style="list-style-type: none"> <li>- mineralized with po, minor py, rare cpy and considerable intergrown sph and marcasite.</li> <li>- argillite is laminated at 65° to C.A.</li> <li>- colour is medium to dark grey, recrystallized to fine grained size.</li> <li>- sulphides are ubiquitous as disseminations, seams and fracture fillings; sph and marcasite intergrowth appears to coat silicate crystal faces.</li> <li>- unit appears to be silicified down to 109.0 ft.</li> </ul>									

# DIAMOND DRILL RECORD

 NAME OF PROPERTY JACKPOT

 HOLE NO. JP82-5 SHEET NO. 3 of 8

FOOTAGE		DESCRIPTION	SAMPLE				Zn	Pb	ASSAYS		
FROM	TO		NO.	% SULPHIDES	FOOTAGE				%	%	Ag
					FROM	TO	TOTAL	oz ton			oz ton
		91.7 - 93.0 ft	A018	5%	91.7	93.0	1.3	.02		.03	
		- contact zone; biotite-rich, with 0.2 ft granitoid dyke oriented at 60° to C.A.	A019	5%	93.0	96.0	3.0	.02	<.01	.03	
		93.0 - 95.0 ft	A020	5%	96.0	99.0	3.0	.04		.05	
		- blocky core, sulphides partially oxidized; brown soft mineral common, identified as intergrown sph and marcasite.	A021	8%	99.0	102.0	3.0	.02		.09	
			A022	10%	102.0	105.0	3.0	.06		.07	
		96.0 - 99.0 ft	A023	15%	105.0	109.0	4.0	.03		.06	
		- orange - red sph appears.	A024	2%	109.0	112.0	3.0	.04		.04	<.001
		99.0 - 102.0 ft	A025	2%	112.0	115.5	3.5	.04		.04	
		- rare gal present, sph and marcasite common, probably 2 - 3% overall, with additional 5% py.									
		102.0 - 109.0 ft									
		- as above, sulphide content beginning to increase to 10-15% overall.									
		109.0 - 115.5 ft									
		- argillite, very fine grained, appears to be few sulphides except along fractures, where most are badly oxidized, core very blocky.									
115.5	117.3	GRANITE	A026		115.5	117.3	1.8	.01		.08	
		- coarse grained; two phases present, a fine grained upper section and a lower coarse to pegmatitic phase.									
		- rare py, sph present.									
117.3	130.3	LIMESTONE (REEVES FM UNIT 4c)									
		- fine to medium grained with occasional coarse-grained blue limestone bands; limestone is light grey, often with bands of orange and pale green tints.									
		- banding is oriented at 70° to C.A.									
		- overall sulphide content is less than 1%, locally there is 1 - 2% disseminated py over short core lengths; rare sph and tetrahedrite are present locally.									

# DIAMOND DRILL RECORD

NAME OF PROPERTY JACKPOT

HOLE NO. JP82-5 SHEET NO. 4 of 8

FOOTAGE		DESCRIPTION	SAMPLE				Zn	Pb	ASSAYS		Au			
FROM	TO		NO.	% SULPHIDES	FOOTAGE				%	%		OZ TON	OZ TON	
					FROM	TO								TOTAL
		117.3 - 121.0 ft	- sulphide content is 1 - 2% overall, mostly py, lesser po and some galena, some dark grey laminations with galena and py and possibly tetrahedrite occur at 119.2 - 119.5 ft; minor pale brown phlogopite present.	A027	2%	117.3	121.0	3.7			<.01			
				A028		121.0	126.0	5.0			<.01			
				A029		126.3	130.3	4.0			.01			
				A030		130.3	136.0	5.7	.09	<.01	.16			
130.3	146.0	121.0 - 126.0 ft	- sulphide content drops below 1% overall; 1.7 ft of missing core.											
		126.0 - 126.3 ft	- rubble zone with limestone and skarn gravel.											
		126.3 - 130.3 ft	- limestone, medium to coarse grained, overall sulphide content less than 1%, mostly py and rare galena.											
130.3	146.0	FAULT ZONE												
		130.3 - 136.0 ft	- sand and mud debris zone, 4.7 ft of lost core, conductive mud seam.											
		136.0 - 146.0 ft	- entire run of lost core, major fracture, cave or fault zone interpreted.											
146.0	161.0	LIMESTONE (REEVES FM UNIT 4c)												
		- coarse grained, pale blue and white banded limestone	A031		146.0	151.0	5.0			<.01				
		- banding oriented at 25° to C.A.	A032		151.0	156.0	4.0			<.01				
		- overall sulphide content is negligible, unit is essentially barren.	A033		156.0	161.0	5.0			<.01				
		- core is relatively blocky.												



# DIAMOND DRILL RECORD

NAME OF PROPERTY JACKPOT

HOLE NO. JP82-5 SHEET NO. 5 of 8

FOOTAGE		DESCRIPTION	SAMPLE			Zn	Pb	ASSAYS			
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	Ag	Au	
					FROM	TO			TOTAL	OZ TON	OZ TON
161.0	166.5	<p>FAULT ZONE</p> <ul style="list-style-type: none"> <li>- mostly gravel, sand and mud debris, zone is conductive.</li> <li>- at least 4.5 ft of lost core.</li> </ul>	A034		161.0	166.5	5.5			.15	<.001
166.5	200.0	<p>LIMESTONE (REEVES FM UNIT 4c)</p> <ul style="list-style-type: none"> <li>- medium to coarse grained, white with few impurities; no blue limestone bands are present.</li> <li>- unit shows vague colour banding at 70° to C.A.</li> <li>- overall sulphide content is much less than 1%, sulphides when present are associated with other dark impurities in narrow laminations; only po, py and rare sph identified.</li> </ul> <p>166.5 - 171.0 ft      - unit is medium grey, colour fades downshole; section is essentially barren.</p> <p>171.0 - 176.7      - sulphide content increases but remains less than 1% overall; mostly fine disseminated py; rare po and sph crystals found at 171.3 ft; sulphides are associated with dark limestone laminae; rare extremely fine tetrahedrite is present at 171.8 and 175.0 ft.</p> <p>176.7 - 179.0      - essentially barren white limestone</p> <p>179.0 - 183.0      - sulphides are weakly concentrated in narrow bands, overall sulphide content is about 1%, po is concentrated up to 10% at 179.3 to 179.5 ft; some exceptionally fine tetrahedrite or galena noted at 182.6 ft, much less than 1%.</p>	A035		166.5	171.0	4.5			<.01	
			A036		171.0	174.0	3.0			.06	
			13001		174.0	176.7	2.7			<.01	
			13002		176.7	179.0	2.3			<.01	
			13003	1%	179.0	183.0	4.0	<.01	<.01	<.01	<.001

# DIAMOND DRILL RECORD

NAME OF PROPERTY JACKPOT

HOLE NO. JP82-5 SHEET NO. 6 of 8

FOOTAGE		DESCRIPTION	SAMPLE				Zn	Pb	ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	Ag	Au			
					FROM	TO			TOTAL	OZ TON	OZ TON		
183.0	186.0	ft	-	grey impurities become more prominent downhole; overall sulphide content is much less than 1%; extremely fine black metallic mineralization (tetrahedrite?) appears as dusty accumulations apparently only on coarse calcite grain surfaces in white coarse grained limestone bands; percentage of this mineralization is too low to reliably estimate.	13004		183.0	186.0	3.0	<.01	<.01	<.01	
					13005	1%	186.0	190.1	4.1	<.01	<.01	<.01	
					13006		190.1	194.0	3.9			.02	
					13007		194.0	197.7	3.7			.13	<.001
					13008		197.7	200.6	2.9			.02	
186.0	190.1	ft	-	impure grey limestone and brown-grey siliceous bands comprise 40% of limestone; contorted bands indicate some dragfolding; sulphides tend to concentrate in impure bands, overall content is 1%, only po recognized; po trends to be weakly oxidized; no tetrahedrite recognized.									
190.1	197.7	ft	-	impure bands decrease downhole; limestone is light to medium grey, medium grained; overall sulphide content drops to less than 1%, almost entirely po; some sph + py occurs in a 4mm wide band at 195.2 ft.									
197.7	200.0	ft	-	medium grained massive medium grey limestone, dominant sulphide changes to py from po; less than 1% py present, no other mineralization recognized.									

# DIAMOND DRILL RECORD

 NAME OF PROPERTY JACKPOT

 HOLE NO. JP82-5 SHEET NO. 7 of 8

FOOTAGE		DESCRIPTION	SAMPLE				Zn	Pb	ASSAYS			
FROM	TO		NO.	% SULPHIDES	FOOTAGE				%	%	Ag	Au
					FROM	TO					TOTAL	OZ TON
200.0	200.6	RUBBLE ZONE (CAVE) - coarse limestone debris, no mud; possible deep fracture rather than fault zone.										
200.6	276.0	LIMESTONE (REEVES FM UNIT 4c) - fine to medium grained, similar to section at 190.1 - 200.0 ft - dominant sulphide is po, overall less than 1% to 206.0 ft, then py becomes dominant. - rare tetrahedrite or galena present at 206.0 ft, very fine grained dusting on coarse white calcite crystals.	13009		200.6	205.0	4.4			<.01		
		208.0 - 213.0 ft - several siliceous bands present, strongly contorted and broken indicating intense tight folding; py and po are locally abundant in siliceous bands, but overall sulphide content is less than 1%.	13010		205.0	210.0	5.0			<.01		
			13011		210.0	215.0	5.0			.07		
			13012		215.0	220.0	5.0			<.01		
			13013		220.0	225.0	5.0			<.01		
			13014		225.0	230.0	5.0			<.01		
			13015		230.0	234.0	4.0			<.01		
			13016		234.0	238.0	4.0	<.01	<.01	<.01		
			13017		238.0	241.0	3.0	<.01	<.01	<.01		
		225.0 - 238.0 ft - limestone becomes fine grained with minor coarser bands, banding oriented at 70° to C.A.; overall sulphide content is less than 1% mostly po.										
		235.0 ft - 1 cm band of 2% disseminated sph and less than 1% very fine dusting of tetrahedrite.										
		238.0 - 241.0 ft - banding to C.A. indicates nose of fold, changes from 70° to C.A. to 130° to C.A., black irregular fracturing occurs in fold nose, fractures are filled with extremely fine mineralization possibly sulphides and/or tetrahedrite.										

# DIAMOND DRILL RECORD

NAME OF PROPERTY JACKPOT

HOLE NO. JP82-5 SHEET NO. 8 of 8

FOOTAGE		DESCRIPTION	SAMPLE				Zn	Pb	ASSAYS		
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	Ag	Au
					FROM	TO	TOTAL			OZ TON	OZ TON
	241.0 - 243.7 ft	- banded limestone, black fractures present but much less than in previous section, overall sulphide content is much less than 1%.	13018		241.0	243.7	2.7	<.01	<.01	<.01	<.001
			13019	3%	243.7	245.8	2.1	.40	.20	3.83	.003
			13020		245.8	250.0	4.2	.07	.02	.38	
			13021		250.0	255.0	5.0			.01	
	243.7 - 245.8 ft	- disseminated sulphide mineralization increases, very few fractures are present; sulphides are mostly sph, with lesser galena, may also be some tetrahedrite; Zn = 1%, Pb = 0.5%; coarse pale brown phlogopite is present; rare cpy appears intergrown with galena.	13022		255.0	260.0	5.0			<.01	
			13023		260.0	265.0	5.0			<.01	
			13024		265.0	276.0	9.0			<.01	
	245.0 - 245.8 ft	- broken core + conductive mud seam; possible deep fracture.									
	245.8 - 276.0 ft	- similar to limestone at 225.0 - 238.0 ft coarse grained white limestone sections become common, mineralization decreases to less than 1%, banding oriented at 60° to C.A.									
	246.9 ft	- 1-2mm seam with partially oxidized sph, lesser galena; malachite stain indicates rare tetrahedrite present.									
	254.0 ft	- few py and galena grains.									
	255.5 - 256.0 ft	- possible weak tetrahedrite mineralization, much less than 1%.									
	260.0 - 276.0 ft	- limestone becomes more barren down hole; sulphide mineralization is extremely weak.									
	265.0 - 276.0 ft	- ground and broken core zone, at least 6 ft of missing core.									
276.0		END OF HOLE									

# DIAMOND DRILL RECORD

NAME OF PROPERTY JACKPOT  
 HOLE NO. JP82-6 LENGTH 317.0 ft  
 LOCATION Double Standard Line 12+00 W 3 + 42 S  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH 040° DIP -40°  
 STARTED JULY 11, 1982 FINISHED JULY 13, 1982

Uncorrected			Corrected		
FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-40°	040°	0	-40°	040°
150	-47°			-38°	
317	-42°			-34°	

HOLE NO. JP82-6 SHEET NO. 1

REMARKS \_\_\_\_\_

LOGGED BY J.R. FOSTER

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			Zn %	Pb %	Ag OZ/TON	Au OZ/TON
					FROM	TO	TOTAL				
0	20.0	CASING									
20.0	61.5	DIORITE/GABBRO - medium grained, locally porphyritic, massive to very weakly lineated (not measurable) - 40 - 50% mafic minerals, medium green amphibole and black biotite in roughly equal amounts. - overall sulphide content is much less than 1%, only po recognized. 22.0 - 23.0 ft - sand and diorite debris, possible fracture or fault. 56.0 - 61.5 ft - grain size decreases toward lower contact, unit becomes porphyritic with coarse 3.5mm amphibole phenocrysts in biotite-rich matrix biotite alters to bronze colour toward lower contact. 61.5 ft - chilled margin, contact oriented at 65° to C.A.	13101		58.0	61.5	3.5			<.01	<.001
61.5	64.5	LIMESTONE (REEVES FM UNIT 4b) - medium to light grey, fine grained, colour banded at 30° to 50° to C.A.; suggestion of tight folding; may be gal or tetrahedrite present; lower contact obscured by blocky core.	13102	25%	61.5	64.5	3.0	.03		<.01	<.001



# DIAMOND DRILL RECORD

 NAME OF PROPERTY JACKPOT

 HOLE NO. JP82-6 SHEET NO. 2 of 11

FOOTAGE		DESCRIPTION	SAMPLE				Zn	Pb	ASSAYS		
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	Ag	Au
					FROM	TO	TOTAL			OZ TON	OZ TON
64.5	70.6	BIOTITE GABBRO - 50 - 60% mafics, 25% bronze coloured biotite. - medium (1-2mm) grained, feldspar porphyritic, grain size decreases to very fine grained at lower contact. - sulphide content negligible, only po and py recognized. 70.6 ft - abrupt chilled lower contact oriented at 45° to C.A.	13103		64.5	67.5	2.5				<.001
			13104		67.0	70.6	3.6				
70.6	85.9	DOLOMITE/DOLOMITIC LIMESTONE SKARN (REEVES FM UNIT 4b) - fine grained, light grey to white with green tint due to development of diopside. - unit is locally silicified and dolomitized. 70.6 - 71.6 ft - dolomitized limestone; about 2% sph + galena and tetrahedrite, cerussite (Pb-carbonate) developed on fracture surfaces as clear radiating crystals. 71.6 - 72.4 ft - silicified zone symmetrical about 0.2 ft granitoid dyke, diopside present; serpentine fills several fractures, mineralization consists of finely disseminated tetrahedrite and rare galena, less than 1% overall, no mineralization noted in serpentine fractures. 72.4 - 74.0 ft - dolomitic limestone, medium to light grey, mineralization consists of 1 - 2% tetrahedrite and some black mineralized fractures from 72.4 to 73.0 ft, then changes to 1-3% weakly oxidized sph + lesser tetrahedrite; 2% sulphides overall.	13105	2%	70.6	72.4	1.8	.03	<.01	<.01	<.001
			13106	2%	72.4	74.0	1.6	.06	<.01	<.01	<.001

# DIAMOND DRILL RECORD

 NAME OF PROPERTY JACKPOT

 HOLE NO. JP82-6 SHEET NO. 3 of 11

FOOTAGE		DESCRIPTION	SAMPLE			Zn	Pb	ASSAYS		Au
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	
					FROM	TO	TOTAL			
	74.0 - 81.0	- dolomite; medium grey, no banding; mineralization consists of much less than 1% fine dustings of tetrahedrite (?), rare sph and py.	13107		74.0	77.0	3.0	.01	<.01	<.001
			13108		77.0	81.0	4.0		<.01	<.001
			13109		81.0	82.0	1.0		.01	<.001
	81.0 - 85.9 ft	- siliceous skarn, very pale green tint probably due to presence of diopside; overall weakly mineralized, much less than 1% galena; at 81.3 - 81.9 ft, there is 1% galena, possible rare tetrahedrite and a soft dendritic dark brown mineral on fracture surface which may be native Ag.	13110		82.0	85.9	3.9		.01	<.001
	85.9 ft	- lower contact irregular, roughly oriented at 60° to C.A.								
85.9	89.9	BIOTITE WACKE (TRUMAN FM ?) - 20 - 25% black biotite, numerous white feldspar clasts up to 3mm, qtz content is low. - unit appears to be clastic metasediment. - lower contact is irregular, sharp but not chilled . - only rare py noted.	13111		85.9	89.9	4.0		<.01	<.001
	89.9 ft	- lower contact roughly oriented at 40° to C.A.								
89.9	90.8	SILICIFIED SKARN - essentially barren	13112		89.9	91.6	1.7		<.01	<.001
	90.8 ft	- lower contact at 40° to C.A.								
90.8	91.6	GRANITOID DYKE - essentially barren								

# DIAMOND DRILL RECORD

NAME OF PROPERTY JACKPOT

HOLE NO. JP82-6 SHEET NO. 4 of 11

FOOTAGE		DESCRIPTION	SAMPLE			Zn	Pb	ASSAYS		
FROM	TO		NO.	% SULPHIDES	FOOTAGE			Ag	Au	
					FROM	TO	TOTAL			%
91.6	104.9	LIMESTONE (REEVES FM UNIT 4a) - light grey with numerous contorted bands of white dolomite banding change from 30° to C.A. to subparallel to C.A. from 92.0 to 93.0 ft. - upper 0.4 ft of limestone is a skarn, silicified with some diopside, there is about 3% oxidized sulphides in this skarn, probably sph; at least 1.0 ft of missing core. - limestone is weakly mineralized with very fine dusting of black metallic mineral, probably tetrahedrite; tetrahedrite content is much less than 1%.  97.0 - 99.5 ft - blocky core, at least 1.0 ft of core missing; possible fracture zone.  104.3 ft - 104.9 ft - diopside - wollastonite skarn 104.9 ft - lower contact oriented at 25° to C.A.	13113		91.6	95.0	3.4	<.01	<.01	<.001
			13114		95.0	98.0	3.0		.06	<.001
			13115		98.0	101.0	3.0		<.01	<.001
			13116		101.0	104.9	3.9		<.01	<.001
104.9	107.8	SKARN (REEVES FM. UNIT 4b) - medium to dark green, silicified, moderately calcareous. - 0.2 ft granitic dyke at 106.7 - 106.9 ft oriented at 35° to C.A. - some quartz veining present. - overall 5% sulphide content, almost entirely coarse po and rare galena grains. - skarn has clastic appearance at lower contact, some biotite rich fragments are present. 107.8 ft - lower contact oriented at 25° to C.A.	13117	5%	104.9	107.8	2.9		<.01	<.001

# DIAMOND DRILL RECORD

NAME OF PROPERTY JACKPOT

HOLE NO. JP82-6 SHEET NO. 5 of 11

FOOTAGE		DESCRIPTION	SAMPLE			Zn	Pb	ASSAYS			
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	Ag	Au	
					FROM	TO					
107.8	119.7	<p>GRANODIORITE</p> <ul style="list-style-type: none"> <li>- medium grained, massive 10% biotite + amphibole</li> <li>- less than 1% sulphides (py + po); granodiorite is medium grey but can have orange tint where sulphides have locally been oxidized along fractures.</li> </ul> <p>109.0 - 111.6 ft      - blocky core, possible fracture zone, most sulphides are oxidized.</p> <p>117.0 - 118.0 ft      - blocky core.</p> <p>119.7 ft                - lower contact at approximately 55° to C.A.</p>	13118		107.8	111.0	3.2				<.001
119.7	123.3	<p>DOLOMITE (REEVES FM UNIT 4b)</p> <ul style="list-style-type: none"> <li>- light grey, fine grained</li> <li>- 1-2% disseminated pyroxene grains 1 - 3mm.</li> <li>- overall sulphide content is less than 1%, mostly po with rare extremely fine galena present.</li> <li>- lower contact obscured by fracture, probably at 35° to C.A.</li> </ul>	13119		119.7	123.3	3.6			.01	
123.3	140.5	<p>GRANODIORITE</p> <ul style="list-style-type: none"> <li>- similar to intrusion at 107.8 - 119.7 ft</li> <li>- biotite-rich (argillaceous?) xenoliths are common down to 120.0 ft.</li> <li>- very low sulphide content, often oxidized in close proximity to fractures, giving orange tinge to core.</li> <li>- upper contact marked by aphanitic siliceous pink band 1-2cm wide.</li> </ul> <p>140.5 ft                - lower contact at 15° to C.A.</p>	13120		123.5	125.0	1.7				<.001

# DIAMOND DRILL RECORD

NAME OF PROPERTY JACKPOT

HOLE NO. JP82-6 SHEET NO. 6 of 11

FOOTAGE		DESCRIPTION	SAMPLE			Zn	Pb	ASSAYS	
FROM	TO		NO.	% SULPHIDES	FOOTAGE			Ag	Au
					FROM	TO	TOTAL		
140.5	158.0	<p>DIORITE</p> <ul style="list-style-type: none"> <li>- medium green, 30 - 40% mafics (hornblende and biotite)</li> <li>- medium grained, weakly foliated at 30° to C.A.</li> </ul> <p>142.8 - 144.3 ft - blocky oxidized core, possible fracture zone.</p> <p>157.4 - 158.0 ft - contact zone marked by granitic dyke with inclusions of underlying calc-silicate skarn.</p> <p>158.0 ft - lower contact at 70° to C.A.</p>							
158.0	162.1	<p>CALC-SILICATE SKARN (TRUMAN FM)</p> <ul style="list-style-type: none"> <li>- light green well laminated at 30° to C.A.</li> <li>- overall sulphide content much less than 1% only py recognized.</li> </ul> <p>162.1 ft - lower contact at 35° to C.A.</p>	13121		158.0	162.1	4.1	<.01	<.001
162.1	171.0	<p>GRANODIORITE</p> <ul style="list-style-type: none"> <li>- light grey, 10% black biotite, 1 - 2% bronze-coloured biotite.</li> <li>- negligible sulphides, no oxidization.</li> <li>- rare biotite-rich xenoliths are present</li> </ul> <p>171.0 ft - lower contact at 35° to C.A.</p>							
171.0	183.3	<p>CALC-SILICATE SKARN (TRUMAN FM)</p> <ul style="list-style-type: none"> <li>- a very similar to skarn unit in JP82-5</li> <li>- numerous dark brown biotite-rich fragments are found in pale green siliceous skarn; negligible sulphides, only po observed.</li> <li>- well laminated, angle of laminations changes from 35° to C.A. at 172.0 ft to subparallel to C.A. at 179.0 ft.</li> </ul> <p>183.3 ft - lower contact at 55° to C.A.</p>	13122		176.0	179.0	3.0	<.01	<.001



# DIAMOND DRILL RECORD

JACKPOT

NAME OF PROPERTY \_\_\_\_\_

HOLE NO. JP82-6 SHEET NO. 7 of 11

FOOTAGE		DESCRIPTION	SAMPLE			Zn	Pb	ASSAYS		
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	Ag	Au
					FROM	TO			TOTAL	OZ TON
183.3	185.6	BIOTITE WACKE (TRUMAN FM) - probable clastic metasediment - intruded by numerous dykelets and patches of granodiorite. 185.6 ft - lower contact at 55° to C.A.								
185.6	192.0	GRANODIORITE - similar to intrusion at 162.1 - 171.0 ft. - brown biotite-rich xenoliths are common. - overall sulphide content less than 1%, only py recognized 192.0 ft - lower contact at 50° to C.A.								
192.0	196.9	BIOTITE WACKE (TRUMAN FM) - clastic metasediment - very patchy appearance, probably due to extreme dragfolding - overall sulphide content is 3- 5%, only po recognized - unit forms upper part of IP conductor. 196.9 ft - lower contact somewhat gradational, appears to be 90° to C.A.	13123	5%	192.0	196.9	4.9	.01	<.01	
196.9	199.2	CALC-SILICATE SKARN (TRUMAN FM) - chaotic, shows no laminations - wollastonite rich band at 198.8 - 199.0 ft - overall 8% po as coarse blebs and fine disseminations 199.2 ft - lower contact at 55° to C.A.	13124	8%	196.9	199.2	2.3		.02	<.001
199.2	206.3	WACKE (TRUMAN FM) - silicified, fine grained, dark grey; forms main part of IP conductor. - overall sulphide content is 15-20%, locally up to 30%, only po recognized as disseminations and massive discontinuous cleavage surface mineralization - unit is very conductive along core axis.	13125	20%	199.2	204.6	5.4		.03	.001
			13126	10%	204.6	206.3	1.7		.03	.004

# DIAMOND DRILL RECORD

 NAME OF PROPERTY JACKPOT

 HOLE NO. JP82-6 SHEET NO. 8 of 11

FOOTAGE		DESCRIPTION	SAMPLE			Zn	Pb	ASSAYS		
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	Act	Au
					FROM	TO			TOTAL	OZ TON
		<ul style="list-style-type: none"> <li>- cleavage is oriented at 40° to C.A.</li> </ul>								
	204.6 - 206.3 ft	<ul style="list-style-type: none"> <li>- unit abruptly changes to dirty quartzite, poorly laminated; po content is 10%.</li> </ul>								
	206.3 ft	<ul style="list-style-type: none"> <li>- lower contact irregular, about 35° to C.A.</li> </ul>								
206.3	209.3	GRANODIORITE <ul style="list-style-type: none"> <li>- less than 1% po present</li> </ul>								
	209.3ft	<ul style="list-style-type: none"> <li>- lower contact at 75° to C.A., definitely crosscutting.</li> </ul>								
209.3	217.9	QUARTZITE (RENO FM) <ul style="list-style-type: none"> <li>- very dirty, considerable impurities, probably interfingering contact with Truman FM.</li> <li>- numerous angular clasts of wacke are present.</li> <li>- banding ranges from 45° to C.A. to subparallel to C.A., indicating strong folding.</li> <li>- some granodiorite dykelets and patches are present.</li> <li>- overall sulphide content is 2 - 3%, locally up to 5%; unit may form lower part of IP conductor.</li> <li>- only po recognized.</li> </ul>	13127	3%	212.0	216.0	4.0		.02	<.001
	217.9 ft	<ul style="list-style-type: none"> <li>- lower contact very irregular approximately 15° to C.A.</li> </ul>								
217.9	246.0	HYBRID GRANODIORITE/METASEDIMENT/SKARN UNIT <ul style="list-style-type: none"> <li>- probably represents considerable large xenoliths at granodiorite contact zone.</li> <li>- xenoliths are highly angular, decrease in number downhole</li> <li>- biotite in granodiorite is black to bronze in colour</li> <li>- amount of granodiorite is greater than combined amount of metasediment and skarn inclusions.</li> </ul>								

# DIAMOND DRILL RECORD

 NAME OF PROPERTY JACKPOT

 HOLE NO. JP82-6 SHEET NO. 9 of 11

FOOTAGE		DESCRIPTION	SAMPLE			Zn	Pb	ASSAYS		Au
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ TON	OZ TON
					FROM	TO				
246.0	248.3	QUARTZITE (RENO FM) - aphanitic, very siliceous - exhibits vague laminations at 30° to C.A. - probably metasediment, not fine grained intrusive 248.3 ft - lower contact at 35° to C.A.								
248.3	252.4	SKARN (RENO FM) - numerous brown biotite rich sections - finely laminated laminations are moderately contorted - laminations oriented at 30° - 45° to C.A. - some po present in quartz rich sections 252.4 ft - intrusive lower contact, very irregular oriented approximately 40° to C.A.								
252.4	258.0	GRANODIORITE - similar to intrusion at 217.9 - 246.0 ft - numerous biotite-rich and rare quartzite rich inclusions are present. 258.0 ft - lower contact is oriented at 90° to C.A.								
258.0	261.4	BIOTITE WACKE (RENO FM) - well laminated due to metamorphic segregation of quartz-rich and biotite rich laminae, laminae up to 1mm wide oriented at 40° to C.A. - overall sulphide content is 1%, only weakly magnetic po recognized. 261.4 ft - lower contact defined by 1 cm granodiorite dykelet oriented at 40° to C.A.								

# DIAMOND DRILL RECORD

NAME OF PROPERTY JACKPOT

HOLE NO. JP82-6 SHEET NO. 10 of 11

FOOTAGE		DESCRIPTION	SAMPLE			Zn	Pb	ASSAYS		
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ TON	OZ TON
					FROM	TO				
261.4	265.3	<p>QUARTZITE (RENO FM)</p> <ul style="list-style-type: none"> <li>- very clean, no apparent bedding planes visible</li> <li>- light grey with pale purple tinge, fine grain size.</li> <li>- quartz grains exhibit weak orientation at 60° to C.A.</li> <li>- numerous tight fractures spaced 1 - 3cm are oriented at 120° to C.A.</li> <li>- no apparent mineralization.</li> <li>- minor granodiorite dykelets are present.</li> </ul> <p>265.3 ft - lower contact extremely irregular; roughly at 25° to C.A.</p>								
265.3	267.0	<p>GRANODIORITE</p> <ul style="list-style-type: none"> <li>- similar to above granodiorite dyke.</li> <li>- lower contact not represented in core.</li> </ul>								
267.0	294.8	<p>BIOTITE WACKE (RENO FM)</p> <ul style="list-style-type: none"> <li>- similar to unit at 258.0 - 261.4 ft.</li> <li>- laminated to banded on 1 - 10mm scale; banding exhibits intense dragfolding.</li> <li>- locally some minor quartz veining is present.</li> <li>- overall sulphide content increases to 3 - 5% py + po as disseminations and some coarser blebs; best mineralization occurs between 267.0 - 279.0 ft, then sulphide content drops to 1 - 2% overall.</li> </ul> <p>267.9 - 268.1 ft - quartz vein oriented at 35° to C.A.</p> <p>273.1 - 274.3 ft - granitic dyke, weak py mineralization oriented at 65° to C.A. parallel to banding.</p> <p>283.0 - 294.8 ft - banding becomes increasingly contorted downhole; quartz-rich segregations increase, unit becomes inhomogeneous diatexite; overall py content shows slight increase to 2-4% downhole; narrow granodiorite dykes become more frequent downhole.</p>	13034	10%	267.0	270.0	3.0		<.01	<.001
			13035	6%	270.0	274.3	4.3			<.001
			13036	2%	274.3	276.0	1.7			<.001
			13037	5%	276.0	279.0	3.0			<.001

# DIAMOND DRILL RECORD

NAME OF PROPERTY JACKPOT  
 HOLE NO. JP82-6 SHEET NO. 11 of 11

FOOTAGE		DESCRIPTION	SAMPLE			Zn	Pb	ASSAYS		
FROM	TO		NO.	% SULPH IDES	FOOTAGE		%	%	Ag	Au
					FROM	TO			TOTAL	OZ TON
		294.8 ft - lower contact very irregular, roughly oriented at 25° to C.A.								
294.8	298.8	GRANODIORITE - numerous biotite wacke inclusions - lower contact does not appear in core.								
298.8	302.0	QUARTZITE (RENO FM) - very clean, considerable (20-30%) white feldspar grains. - fine grained, white, little or no sulphides present. 302.0 ft - lower contact oriented at 20° to C.A.								
302.0	305.1	GRANODIORITE - as above 305.1 ft - lower contact at 75° to C.A.								
305.1	317.0	WACKE (RENO FM) - similar to unit at 267.0 - 294.8 ft, but less biotite, more quartz overall. - upper part of unit has numerous quartz-rich segregations near granodiorite contact, appears to be inhomogenous diatexite. - overall sulphide content is 2-3%; only py recognized.	13038	3%	307.0	311.0	4.0			<.001
317.0		END OF HOLE <i>JP82-6</i>								



# DIAMOND DRILL RECORD

NAME OF PROPERTY JACKPOT  
 HOLE NO. JP82-7 LENGTH 378.0 ft  
 LOCATION DOUBLE STANDARD LINE 16+00W 4+57S; 20 SE OF LINE 16+00W  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH 040° DIP -31.5°  
 STARTED JULY 16, 1982 FINISHED JULY 19, 1982

Uncorrected			Corrected		
FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-31.5°	040°	0	-31.5°	040°
250	-38°		250	-31°	
378	-37°		378	-30°	

HOLE NO. JP82-7 SHEET NO. 1

REMARKS \_\_\_\_\_

LOGGED BY J.R. FOSTER

FOOTAGE		DESCRIPTION	SAMPLE				Zn	Pb	ASSAYS	
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON
					FROM	TO				
0	7.0	CASING								
7.0	7.5	RUBBLE								
7.5	70.0	SKARN (TRUMAN FM) - calc-silicate skarn with considerable brown biotite-rich bands, sections and brecciated fragments. - core is very blocky, sulphides are oxidized on fracture surfaces. - overall sulphide content is less than 1%. - banding is oriented at 60° - 80° to C.A. - skarn is inhomogeneous, biotite + amphibole + pyroxene-rich from 7.5 - 50.0 ft, more siliceous and diopside + feldspar rich from 50.0 - 70.0 ft. - lower contact not seen in core.								
70.0	133.3	DIORITE - medium grained, locally minor feldspar phenocrysts. - massive, dark green-grey colour. - 30-40% mafics; black biotite + green amphibole. - no additional intrusive phases present; diorite is generally inclusion free. 123.0 - 123.8 ft - sand and mud seam, probable fault, weakly conductive. 130.0 - 133.3 ft - numerous metasediment inclusions 133.3 ft - lower contact obscured by blocky core.								

# DIAMOND DRILL RECORD

 NAME OF PROPERTY JACKPOT

 HOLE NO. JP82-7

 SHEET NO. 2 of 9

FOOTAGE		DESCRIPTION	SAMPLE			Zn	Pb	ASSAYS		
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	Ag	Au
					FROM	TO			TOTAL	OZ TON
133.3	141.7	DIABASE - fine to medium grained with rounded 1 - 3mm feldspar phenocrysts. - upper 3.0 ft of diabase is very blocky with some sand, suggesting upper contact with diorite is a fault. - lower contact has definite chilled margin. 141.7 ft - lower contact oriented at 50° to C.A.								
141.7	221.0	DIORITE/GABBRO - same as at 70.0 - 133.3 ft, becoming more mafic downhole. 154.6 - 155.1 ft - quartz - feldspar - calcite vein. 200.0 - 203.0 ft - blocky core, possible fracture zone. 204.9 ft - conductive mud seam, probable fault. 221.0 ft - gabbro is becoming lighter in colour lower contact is gradational into underlying altered fault zone, core is carbonatized within 1.0 ft of lower contact.	13055		218.0	221.0	3.0			<.001
221.0	224.5	ALTERED GABBRO (FAULT ZONE) - very pale green, well carbonatized, extremely blocky and soft core. - numerous small angular fault breccia fragments appear at 220.0 ft. - lower contact not represented in core.	13056		221.0	224.5	3.5			<.01 <.001
224.5	226.6	SKARN (TRUMAN FM) - FAULT ZONE - very siliceous, altered extremely fractured core; still part of major fault zone.	13057		224.5	226.6	2.1			<.01 <.001

# DIAMOND DRILL RECORD

NAME OF PROPERTY JACKPOT

HOLE NO. JP82-7 SHEET NO. 3 of 9

FOOTAGE		DESCRIPTION	SAMPLE			Zn	Pb	ASSAYS		Au			
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%		OZ TON	OZ TON	
					FROM								TO
226.6	231.3	SKARN (TRUMAN FM) (FAULT ZONE) - mostly dark brown biotite rich skarn, extremely blocky core with numerous narrow mud seams - laminations in skarn are strongly contorted	13058		226.6	231.3	4.7			<.001			
231.3	243.3	SKARN (TRUMAN FM) - core still blocky but more competent than skarn in fault zone - very inhomogeneous skarn, well banded; banding is strongly contorted; banding is roughly 45° to C.A. - skarn is diopside and calcite rich, appears to be little or no silicification. - sulphide content appears to be extremely low. 238.3 - 239.0 ft - granitoid dyke, few mafics 243.1 ft - lower contact at 40° to C.A.	13059 13060 13061		231.3 235.0 239.0	235.0 239.0 243.1	3.7 4.0 4.1			<.01 <.001 <.001 <.001			
243.1	244.3	GRANODIORITE - essentially similar to above granodiorite dyke 243.9 ft - seam of coarse py oriented at 130° to C.A. 244.3 ft - lower contact at 35° to C.A.	13062		243.1	244.3	1.2			.004			
244.3	245.9	DIORITE - fine grained phase, not similar to medium grained diorite intrusions in upper part of hole. 245.9 ft - lower contact at 40° to C.A.											

# DIAMOND DRILL RECORD

NAME OF PROPERTY JACKPOT  
 HOLE NO. JP82-7 SHEET NO. 4 of 9

FOOTAGE		DESCRIPTION	SAMPLE			Zn %	Pb %	ASSAYS		Au oz ton	
FROM	TO		NO.	% SULPHIDES	FOOTAGE			oz ton	oz ton		
					FROM						TO
245.9	287.3	SKARN (TRUMAN FM) - core is extremely blocky, very well fractured, especially from 249.5 to 263.0ft, fracturing may indicate strong folding, faulting or proximity to Double Standard underground workings. - laminations are quartz-rich, diopside-rich and biotite-rich, roughly oriented at 40° to C.A.; laminations show very intense dragfolding throughout much of unit, serpentine commonly found on fracture faces. 262.3 - 263.0 ft - serpentine-rich rubble zone, probable fault; skarn on either side of zone is brecciated; serpentine is slickensided. 268.3 - 269.2 ft - calcareous rubble-zone, weakly slickensided, probable fault 269.2 - 270.8 ft - granodiorite dyke 273.6 ft - globular py and fracture face coatings of py present. 287.3 ft - contact irregular approximately 25° to C.A.	13460		277.0	280.0	3.0			< .01	< .003
287.3	293.4	TRONDJHEMITE/GRANODIORITE - inclusions of skarn are present near lower contact - biotite bearing, little or no amphiboles noted - negligible sulphide content only py noted in a fracture and as rare disseminations 293.4 ft - lower contact at 30° to C.A.									
293.4	295.0	HYBRID CONTACT ZONE - roughly equivalent amounts of dark green diopside (?) rich hornfels and medium-grained trondjhemitic dykes. 295.0 ft - lower contact at 20° to C.A.									

# DIAMOND DRILL RECORD

 NAME OF PROPERTY JACKBOT

 HOLE NO. JP82-7 SHEET NO. 5 of 9

FOOTAGE		DESCRIPTION	SAMPLE			Zn	Pb	ASSAYS		Ag	
FROM	TO		NO.	% SULPHIDES	FOOTAGE			OZ TON	OZ TON		
					FROM						TO
295.0	299.2	SKARN (TRUMAN FM) - unusually diopside rich, with darker amphibole and/or pyroxene patches and vague bands. - no ribbon like quartz laminae or micaceous banding typical of Truman Fm are present. - some banding is present at 45° to C.A. - overall sulphide content is low, only po recognized. 299.2 ft - lower contact is crosscutting oriented at 95-100° to C.A.	13063		295.0	299.2	4.2			.001	
299.2	300.7	TRONDHJEMITE - numerous skarn inclusions 300.7 ft - lower contact at 90° to C.A.									
300.7	301.7	AMPHIBOLITE HORNFELS - very fine grained, massive appearance - no sulphides noted 301.7 ft - lower contact at 35° to C.A.									
301.7	303.0	TRONDHJEMITE - similar to above - lower contact obscured by broken core									
303.0	309.6	FELSIC FELDSPAR PORPHYRY - white, feldspar phenocrysts are white, up to 3mm, difficult to discern in white siliceous matrix. - unit is extremely siliceous, probably subvolcanic - numerous randomly oriented fractures are present - sulphide content is variable; py is ubiquitous as very fine anhedral disseminated grains in the matrix, or as coarser euhedral grains associated with medium grained quartz patches or discontinuous veinlets.	13064	1%	303.0	306.0	3.0			.002	
			13065	1%	306.0	309.6	3.6			<.001	



# DIAMOND DRILL RECORD

NAME OF PROPERTY JACKPOT  
 HOLE NO. JP82-7 SHEET NO. 6 of 9

FOOTAGE		DESCRIPTION	SAMPLE			Zn	Pb	ASSAYS		
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	Ag	Au
					FROM	TO			TOTAL	OZ TON
		303.0 - 306.0 ft								
		- 1% py; upper 0.6 ft of unit is medium grained with some diopside, probably due to assimilation of skarn at contact.								
		306.0 - 309.4 ft								
		- as above, 1% py								
		309.4 - 309.6 ft								
		- breccia zone adjacent to fault, sharp brecciation contact oriented at 35° to C.A.								
309.6	313.6	FAULT ZONE								
		- blocky core and gravel rubble zone, weakly oxidized, most of broken core is a medium grained granitoid intrusive not similar to any previous plutonic rocks encountered above.								
313.6	319.8	GRANITE								
		- medium grained, siliceous, pale green, similar to blocky core in preceding fault, contains numerous inclusions of skarn and subvolcanic felsic lithologies.	13096		313.6	317.0	3.4			<.001
		- granite appears weakly altered; is weakly to moderately calcareous.	13097		317.0	319.8	2.8			.002
		- overall sulphide content is less than 1%, limited to py.								
319.8	321.2	FAULT ZONE								
		- blocky core and rubble, mostly of above granite intrusion								
321.2	354.0	FELSIC FELDSPAR PORPHYRY								
		- similar to unit at 303.0 - 309.6 ft								
		- sulphide content increasing downhole, mostly py with rare sph; py occurs as fracture coatings and disseminations, sph appears to be confined to disseminated grains only; overall 5-8% sulphides.								

# DIAMOND DRILL RECORD

NAME OF PROPERTY JACKPOT  
 HOLE NO. JP82-7 SHEET NO. 7 of 9

FOOTAGE		DESCRIPTION	SAMPLE				Zn	Pb	ASSAYS		
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ. TON	OZ. TON
					FROM	TO	TOTAL				
	321.2 - 325.0 ft	- 2% disseminated py, very little fracturing.	13066	2%	321.2	325.0	3.8				<.001
	325.0 - 329.0 ft	- first appearance of rare sph, much less than 1%, fracturing becomes more intense downhole.	13067	2%	325.0	328.0	3.0				<.001
			13461	2%	328.0	329.0	1.0			<.01	
	329.0 - 332.0 ft	- as above, overall 2% py and rare sph, fracture controlled by mineralization becoming more common.	13039	2%	329.0	332.0	3.0	.02		.01	<.001
			13040	5%	332.0	335.0	3.0	.09	.04	.05	.005
	332.0 - 335.0 ft	- py and sph increasing, sph still less than 1%, first appearance of galena and po; galena is extremely rare.									
	335.0 - 338.0 ft	- sulphide content drops slightly; Zn estimated - 0.5%; coarse pod of po and sph with rare cpy occurs at 336.0 ft; fracture controlled by mineralization is prominent.	13041	5%	335.0	338.0	3.0	.14	.02	.06	.001
			13042	5%	338.0	341.0	3.0	.09	.01	.03	.022
			13043	3%	341.0	344.0	3.0	.03	<.01	.02	<.001
			13044	4%	344.0	347.0	3.0	.04	<.01	.04	<.001
	338.0 - 341.0 ft	- sulphide content remains constant but sph increases up to 2%; Zn estimated = 1%, po content drops, fracture controlled by mineralization decreases; felsic porphyry is less fractured; galena more common but remains much less than 1%.	13045	8%	347.0	350.0	3.0	.16	.02	.05	.001
	341.0 - 344.0 ft	- sulphides decrease to 2-3%, almost entirely py, po and fracture controlled by py; Zn content drops to much less than 1%, no galena noted.									
	344.0 - 347.0 ft	- sulphides increase to 3-4%, sph increases slightly but still less than 1%.									
	347.0 - 350.0 ft	- some coarse blebs of sph appear to 348.0 ft, sulphides increase to 8%, Zn content estimated = .1%; rare galena present.									

# DIAMOND DRILL RECORD

NAME OF PROPERTY JACKPOT

HOLE NO. JP82-7 SHEET NO. 8 of 9

FOOTAGE		DESCRIPTION	SAMPLE			Zn	Pb	ASSAYS			
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	Ag	Au	
					FROM	TO			TOTAL	OZ TON	OZ TON
		350.0 - 354.0 ft									
		- sulphides decrease to 6% mostly as fracture controlled py; Zn drops to much less than 1%; galena appears to accompany py on fractures but is much less than 1%.	13046	6%	350.0	354.0	4.0	.10	.01	.04	<.001
354.0	361.0	FELSITE DYKE									
		- very fine grained to aphanitic, very siliceous, medium grey; dacitic to rhyolitic composition.	13053	3%	354.0	358.0	4.0				.041
		- moderately magnetic indicating considerable very fine po, too fine to reliably estimate, may be 3 - 5% po.	13054	3%	358.0	361.0	3.0				<.001
		- rare quartz and plagioclase phenocrysts present; probably represents rapidly chilled felsic subvolcanic intrusion.									
		- some fracture controlled py mineralization is present.									
361.0	373.0	FELSIC FELDSPAR PORPHYRY									
		- similar to unit at 321.2 - 354.0 ft, overall sulphide content decreases to 1 - 3%, mostly po, py, rare sph.	13047	3%	361.0	364.0	3.0	.08	<.01	.01	<.001
		361.0 - 364.0 ft - 3% sulphides, Zn content much less than 1%.	13048	1%	364.0	367.0	3.0	.06	<.01	.02	<.001
		364.0 - 367.0 ft - 1% sulphides, no fracture controlled py mineralization.	13049	1%	367.0	370.0	3.0	.05	<.01	.01	<.001
		367.0 - 370.0 ft - Zn content decreases over that of preceding interval, still much less than 1%.									

# DIAMOND DRILL RECORD

NAME OF PROPERTY JACKPOT

HOLE NO. JP82-7 SHEET NO. 9 of 9

FOOTAGE		DESCRIPTION	SAMPLE			Zn	Pb	ASSAYS		Au	
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ TON	OZ TON
					FROM	TO	TOTAL				
		370.0 - 373.0 ft									
		- well fractured, serpentine plus carbonaceous material found on fracture surfaces, overall sulphide content is up to 1%, mostly po with rare sph and galena.	13050	1%	370.0	373.0	3.0	.02	<.01	.02	<.001
373.0	378.0	FELDSPAR PORPHYRY									
		- somewhat similar to above porphyry, but with numerous dark brown silicified skarn inclusions which may be from Truman Fm.	13051	3%	373.0	376.0	3.0	.02	<.01	.02	.007
		- overall sulphide content is 1 - 3%, locally over short core lengths up to 10%, only po recognized.	13052	1%	376.0	378.0	2.0	<.01	<.01	.01	<.001
378.0		END OF HOLE									

# DIAMOND DRILL RECORD

NAME OF PROPERTY JACKPOT  
 HOLE NO. JP82-8 LENGTH 333.0 ft  
 LOCATION LINE 14W 0+62N  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH 040° DIP -32°  
 STARTED JULY 19, 1982 FINISHED JULY 20, 1982

Uncorrected			Corrected		
FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-32°	040°	0	-32°	040°
333	-45°		333	-37°	

HOLE NO. JP82-8 SHEET NO. 1

REMARKS \_\_\_\_\_

LOGGED BY J.R. FOSTER

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			Zn %	Pb %	Ag OZ/TON	Au OZ/TON
					FROM	TO	TOTAL				
0	18.0	CASING, LIMESTONE BOULDERS									
18.0	77.7	LIMESTONE (REEVES FORMATION UNIT 4c) - coarse grained massive white marble with rare dolomitic limestone sections. - unit is almost entirely barren, only extremely rare sulphide mineralization is locally present. 67.7 - 69.0 ft - dolomitic limestone/limestone section, medium grained; some dark grey 1-2mm silicate mineral grains present. 77.7 ft - lower contact at 50° to C.A.	13068 13069		64.0 67.7	67.7 69.0	3.7 1.3			<.01 <.01	
77.7	90.5	LIMESTONE/DOLOMITIC LIMESTONE (REEVES FM UNIT 4c) - mostly medium grained limestone with lesser weakly dolomitized limestone bands and some coarse grained massive marble sections. - weak sulphide mineralization is present, overall much less than 1% almost exclusively py with rare galena; galena is closely associated with marble sections. 77.7 - 81.0 ft - medium grey limestone/dolomitic limestone, much less than 1% py present.	13070		77.7	81.0	3.3		<.01	<.01	



# DIAMOND DRILL RECORD

 NAME OF PROPERTY JACKPOT

 HOLE NO. JP82-8 SHEET NO. 2 of 4

FOOTAGE		DESCRIPTION	SAMPLE				Zn	Pb	ASSAYS			
FROM	TO		NO.	% SULPHIDES	FOOTAGE				%	%	Ag	Au
					FROM	TO					TOTAL	OZ TON
		81.0 - 84.2 ft	- white medium grained massive limestone becomes dominant; much less than 1% py present; banding oriented at 60° to C.A.	13071		81.0	84.2	3.2		<.01		
				13072		84.2	87.0	2.8		<.01		
				13073		87.0	90.5	3.5		<.01	.02	
		84.2 - 90.5 ft	- coarse grained white marble; weak concentrations of galena at 85.1 ft, 87.9 ft. - contact obscured by broken core.									
90.5	96.0	LIMESTONE (REEVES FORMATION UNIT 4c)										
		- fine to medium grained, light grey, massive, with no compositional or grain size banding.		13074	1%	90.5	93.4	2.9	.01*	<.01	.03	<.001
		- unit forms IP anomaly at depth.		13075	25%	93.4	96.0	2.6	3.48	<.01	.21	<.001
		90.5 - 93.4 ft	- 1% sulphides, with almost equal amounts of py and galena, Pb estimated 0.3% or less									
		93.4 - 96.0 ft	- sulphide content increases to 25% overall, with po, py and sphalerite; sph content is 10%, Zn estimated = 5-6%; galena appears to be absent									
96.0	146.0	DOLOMITE (REEVES FORMATION UNIT 4b)										
		- fine to medium grained, medium grey, banded at 45° to C.A.		13076	1%	96.0	100.0	4.0	.14	<.01	.02	
		- unit becomes less dolomitic downhole.		13077		100.0	104.0	4.0			<.01	
		- overall sulphide content is up to 1%, mostly fine disseminated py and lesser sph, rare galena.		13078		104.0	108.0	4.0			<.01	
				13079		108.0	112.0	4.0			<.01	
		96.0 - 100.0 ft	- up to 2% very fine py and galena near upper contact, overall up to 1% sulphides; Pb estimated less than 0.2%.	13080		112.0	116.0	4.0			<.01	
				13081		116.0	120.0	4.0			<.01	
		100.0 - 120.0 ft	- dolomite with limestone bands, overall less than 1% py, rare sph.									

\*REGROUND TO - 200 MESH

# DIAMOND DRILL RECORD

NAME OF PROPERTY JACKPOT

HOLE NO. JP82-8 SHEET NO. 3 of 4

FOOTAGE		DESCRIPTION	SAMPLE				Zn	Pb	ASSAYS		
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	Ag	Au	
					FROM	TO			TOTAL	OZ TON	OZ TON
		120.0 - 128.0 ft	- sph increases but remains less than 1% overall, Zn estimated less than 0.3%.	13082	1%	120.0	124.0	4.0	.04	<.01	
		128.0 - 132.0 ft	- sph content decreases slightly dolomite becomes medium grained massive with no banding.	13083	1%	124.0	128.0	4.0		<.01	
				13084	1%	128.0	132.0	4.0		<.01	
				13085	1%	132.0	136.0	4.0		<.01	
		132.0 - 140.0 ft	- similar to preceding section, but sulphides are weakly oxidized.	13086		136.0	140.0	4.0	<.01	<.01	<.001
		140.0 - 144.0 ft	- very little sph present.	13087		140.0	144.0	4.0		<.01	
		144.0 - 146.0 ft	- sulphide content increases to 3% almost entirely py, rare sph and galena.	13088	3%	144.0	146.0	2.0	.10	<.01	
146.9	148.0	MUD SEAM (FAULT)	- very conductive, clay rich, calcareous.								
148.0	211.5	DOLOMITIC LIMESTONE (REEVES FORMATION UNIT 4b)	- similar to above dolomite unit, but less dolomitized.	13089		148.0	152.0	4.0		<.01	
			- light grey, medium to coarse grained, massive.	13090		169.0	173.0	4.0		.01	
			- overall sulphide content is up to 1%, mostly py with some sph.	13091	1%	179.7	184.0	4.3		<.01	
			- very fine dusting of black mineralization, probably carbonaceous material (does not appear to be metallic).	13092	1%	184.0	188.0	4.0		<.01	
			- limestone bands increase slightly downhole; dolomite grain size becomes slightly finer downhole.	13093	1%	188.0	192.0	4.0		<.01	
				13094	1%	208.0	211.5	3.5		<.01	
211.5	249.6	DOLOMITE (REEVES FORMATION UNIT 4b)	- fine to medium grained, well banded at 65° to C.A.	13095	1%	211.5	215.0	3.5	.12	<.01	
			- bands are white and dark grey dolomite	13458		236.0	240.0	4.0	.085		
			- overall sulphide content is low, up to 1% locally; mostly py, lesser po, sph rare galena.	13459		240.0	243.0	3.0	.012		
			- black irregular fractures appear near lower contact filled with carbonaceous material.	13100	2%	243.0	246.0	3.0	.02	.01	
		211.5 - - 215.0 ft	- weakly mineralized 0.5 - 1% sulphides pod of massive sph at 212.5 ft.	13156	3%	246.0	249.6	3.6		<.01	<.001
		243.0 - 249.6 ft	- black fractures begin; sulphide content increases to 2% usually closely associated with fractures; sulphides are mostly po with minor py, sph and gal.								

# DIAMOND DRILL RECORD

JACKPOT

NAME OF PROPERTY \_\_\_\_\_

HOLE NO. JP82-8

SHEET NO. 4 of 4

FOOTAGE		DESCRIPTION	SAMPLE			Zn	Pb	ASSAYS		Au
FROM	TO		NO.	% SULPHIDES	FOOTAGE			OZ TON	OZ TON	
					FROM	TO	TOTAL			
		249.6 ft - lower contact appears to be fracture or fault.								
249.6	313.2	CALC-SILICATE SKARN (TRUMAN FORMATION)								
		- well banded and laminated with quartz rich, diopside limestone and rich, limestone and micaceous laminae and bands.	13098	3%	249.6	254.0	4.4	.03		
		- sulphide content is 1 - 3% overall, mostly po and lesser py; po is concentrated in dark brown micaceous bands, causing these sections to be weakly to moderately magnetic.	13099	2%	254.0	258.0	4.0	.01		
		- skarn has considerable limestone content comprising 50 - 60% of unit locally.	13460		277.0	280.0	3.0	<.01	<.003	
		- laminations are contorted indicating some folding; in general laminae are at 50 - 55° to C.A.								
		313.2 ft - lower contact at 60° to C.A.								
313.2	320.0	TRONDHJEMITE								
		- medium grained, 10% biotite, numerous angular wacke (?) inclusions.								
		320.0 ft - lower contact at 60° to C.A.								
320.0	321.8	GREYWACKE (RENO FM)								
		- massive, fine grained								
		321.8 ft - lower contact at 10° to C.A.								
321.8	333.0	MAFIC LAMPROPHYRE								
		- black, porphyritic with white and red feldspar phenocrysts and biotite phenocrysts, may be altered olivine crystals present.								
		- no apparent metallic mineralization								
333.0		END OF HOLE								

# DIAMOND DRILL RECORD

NAME OF PROPERTY JACKPOT  
 HOLE NO. JP82-9 LENGTH 113.0 ft  
 LOCATION DOUBLE STANDARD LINE JP9 1+00E  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH 285° DIP - 23°  
 STARTED JULY 21, 1982 FINISHED JULY 22, 1982

Uncorrected

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-23°	285°			

HOLE NO. JP82-9 SHEET NO. 1

REMARKS Hole entered drift  
at 113.0 ft could not continue

J.R. FOSTER

LOGGED BY \_\_\_\_\_


FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			Zn %	Pb %	Ag OZ/TON	Au OZ/TON
					FROM	TO	TOTAL				
0	36.0	CASING									
36.0	62.0	LIMESTONE (REEVES FM UNIT 4a) - strongly colour banded, alternating between white and dark grey limestone with occasional pale green serpentine - rich bands; banding is on 1mm-1cm scale. - core is exceptionally blocky down to 62 ft, may actually represent loose debris at bedrock/overburden interface. - no apparent mineralization. 59.0 - 62.0 ft - probable fracture zone	13451 13452 13453 13454 13455 13456 13457		36.0 40.0 44.0 47.0 51.0 54.0 58.0	40.0 44.0 47.0 51.0 54.0 58.0 62.0	4.0 4.0 3.0 3.0 3.0 4.0 4.0			< .01 < .01 < .01 < .01 < .01 < .01 < .01	
62.0	65.0	DOLOMITIC LIMESTONE (REEVES FM UNIT 4a) - medium to dark grey, medium grained. - blocky core. - sulphide content is less than 1%, all oxidized, no Zn reaction. 64.5 - 65.0 ft - probable fracture zone	13201		62.0	65.0	3.0			.02	< .001
65.0	73.0	DOLOMITE (REEVES FM UNIT 4a) - white medium grained no colour banding - sulphide content extremely low, rare sph noted at 69.5 ft 72.5 - 73.0 ft - probable fracture zone	13202 13203		65.0 69.0	69.0 73.0	4.0 4.0			.01 < .01	< .001
73.0	92.3	LIMESTONE/DOLOMITIC LIMESTONE/MARBLE MIXED UNIT (REEVES FM UNIT 4a) - similar appearance to above dolomite, but considerably less dolomitization and coarse-grained marble sections become prominent.	13204 13205 13206 13207 13208		73.0 77.0 81.0 85.0 89.0	77.0 81.0 85.0 89.0 92.3	4.0 4.0 4.0 4.0 3.3			< .01 .36 < .01 < .01 < .01	< .001



# DIAMOND DRILL RECORD

NAME OF PROPERTY JACKPOT

HOLE NO. JP82-9 SHEET NO. 2 of 2

FOOTAGE		DESCRIPTION	SAMPLE			Zn	Pb	ASSAYS	
FROM	TO		NO.	% SULPHIDES	FOOTAGE			Ag	Au
					FROM	TO	TOTAL		
		- extremely weak sulphide mineralization much less than 1% only sph noted at 73.3 ft 80.8 ft. 73.3 ft - colour banding at 65° to C.A. 85.3 ft - banding at 60° to C.A. 92.3 ft - contact arbitrarily set at bottom of last marble unit oriented at 60° to C.A.							
92.3	113.0	LIMESTONE (REEVES FM UNIT 4a) - fine to medium grained, compositionally banded. - bands are light grey limestone and chalky white wollastonite bearing bands, banding on mm - 1cm scale - contorted bands indicate some dragfolding. - no mineralization noted 95.0 ft - banding at 65° to C.A. 108.0 ft - banding at 65° to C.A. 113.0 ft - weakly oxidized fractured face, probably wall of drift	13209		92.3	96.0	3.7	<.01	
			13210		96.0	100.0	4.0	<.01	
			13211		100.0	104.0	4.0	<.01	
			13212		104.0	108.0	4.0	.01	<.001
			13213		108.0	111.0	3.0	<.01	<.001
			13214		111.0	113.0	2.0	<.01	<.001
113.0		END OF HOLE 							



# DIAMOND DRILL RECORD

NAME OF PROPERTY JACKPOT  
 HOLE NO. JP82-10 LENGTH 313.0 ft  
 LOCATION DOUBLE STANDARD LINE JP9 0 + 25 E  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH 285° DIP -41.0°  
 STARTED JULY 22, 1982 FINISHED JULY 24, 1982

Uncorrected			Corrected		
FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-41°	285°	0	41°	285°
313	-40°		313	-33°	

HOLE NO. JP82-10 SHEET NO. 1

REMARKS \_\_\_\_\_

LOGGED BY J.R. FOSTER

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			Zn %	Pb %	Ag OZ/TON	Au OZ/TON
					FROM	TO	TOTAL				
0	15.0	CASING									
15.0	18.0	RUBBLE ZONE - mostly granitoid debris									
18.0	21.4	LIMESTONE (REEVES FM UNIT 4a) - fine to medium grained with a coarse grained marble section. - well banded, bands are chalky white (wollastonite rich?) and pale blue limestone; banding oriented at 70° to C.A. - no mineralization noted 21.4 ft - lower contact at 75° to C.A.	13215		18.0	21.4	3.4			<.01	
21.4	41.3	LIMESTONE (REEVES FM UNIT 4a) - strongly colour and compositionally banded, bands tend to be broken or irregular - light to medium grey, medium to coarse grained - chalky white bands are siliceous but decrease in amount compared to preceding section; width of siliceous bands increase downhole to 0.1 - 0.2 ft. - no mineralization noted. 22.0 ft - banding at 80° to C.A. 27.0 ft - possible fracture, 1.0 ft of missing core. 33.0 ft - banding at 60° to C.A. 41.3 ft - contact at 80° to C.A.	13216 13217 13218 13219 13220		21.4 25.0 29.0 33.0 37.0	25.0 29.0 33.0 37.0 41.3	3.6 4.0 4.0 4.0 4.3			<.01 <.01 <.01 <.01 <.01	<.001 <.001

# DIAMOND DRILL RECORD

NAME OF PROPERTY JACKPOT  
 HOLE NO. JP82-10 SHEET NO. 2 of 7

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS						
FROM	TO		NO.	% SULPHIDES	FOOTAGE		Zn	Pb	Ag	Au		
					FROM	TO	TOTAL	%	%	OZ TON	OZ TON	
41.3	57.8	DOLOMITIC LIMESTONE (REEVES FM UNIT 4a) - mottled cataclastic appearance due to patchy and irregular light grey limestone bands in dark grey dolomitic limestone matrix. - strong dragfolding is indicated where banding is not intensely broken up. - mineralization consists of extremely fine grained black sulphides (?) too small to identify; overall percentage appears to be much less than 1%, some oxidized fractures indicate some fracture controlled mineralization, probably py. - unit represents surface mineralization at depth, but mineralization is much weaker. 42.0 ft - banding at 30° to C.A. becomes broken further downhole. 56.0 ft - banding at 55° to C.A. 57.8 ft - lower contact set at first appearance of siliceous bands, contact at 25° to C.A.	13221		41.3	45.0	3.7			<.01	<.001	
			13222		45.0	49.0	4.0			<.01	<.001	
			13223		49.0	53.0	4.0			<.01	<.001	
			13224		53.0	57.8	4.8			<.01	<.001	
57.8	77.0	LIMESTONE/DOLOMITE/CHERT MIXED UNIT (REEVES FM UNIT 4a) - very well banded on 1 cm scale, mostly fine grained light grey limestone with lesser medium grey limestone and dolomite and white chert bands. - rapid changes in banding angles to C.A. indicate strong folding. - minor pale green serpentine bands appear within 5 ft of lower contact.	13225		57.8	61.0	3.2			7.92AA	.030	6.79 Ag FA
			13226		61.0	65.0	4.0			.199	<.001	.204 Ag FA
			13227		65.0	69.0	4.0			.03	<.001	
			13228		69.0	73.0	4.0			.03	<.001	
			13229		73.0	77.0	4.0			<.01	<.001	

# DIAMOND DRILL RECORD

 NAME OF PROPERTY JACKPOT

 HOLE NO. JP82-10 SHEET NO. 3 of 7

FOOTAGE		DESCRIPTION	SAMPLE			Zn	Pb	ASSAYS		Au
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ TON	OZ TON
					FROM	TO				
		- very rare galena present at 58.0 - 59.0 ft 59.0 ft - banding at 70° to C.A. 63.0 ft - banding at 35° to C.A. 72.0 ft - banding at 60° to C.A. 77.0 ft - lower contact is an open fracture, at least 2 ft of missing core; banding angle to C.A. flattens radically after fault.								
77.0	79.0	FAULT no rubble present								
79.0	156.9	LIMESTONE/CHERT MIXED UNIT (REEVES FM UNIT 4a) - essentially similar to preceding unit, but with little dolomitic limestone present. - excellent banding at low angles to C.A. - limestone is medium grained, either white or medium grey; siliceous bands are white very fine grained. - mineralization appears to be non-existent. 83.0 ft - banding at 20° to C.A. 89.0 - 128.0 ft - banding essentially parallel to C.A. 133.5 ft - banding at 70° to C.A. 135.0 ft - coarse radiating wollastonite band. 142.0 ft - banding at 60° to C.A. 154.5 ft - banding at 30° to C.A. 156.9 ft - lower contact marked by first appearance of coarse-grained marble; contact at 25° to C.A.	13230		79.0	83.0	4.0			<.001
			13231		83.0	87.0	4.0			<.001
			13232		87.0	91.0	4.0			<.001
			13233		91.0	95.0	4.0			<.001
			13234		95.0	99.0	4.0			<.001
			13235		99.0	103.0	4.0			.003
			13442		103.0	107.0	4.0			
			13443		107.0	111.0	4.0			
			13444		111.0	115.0	4.0			
			13445		115.0	119.0	4.0			
			13446		119.0	123.0	4.0			
			13447		123.0	127.0	4.0			
			13236		127.0	131.0	4.0			<.01 <.001
			13237		131.0	135.0	4.0			<.01 <.001
			13238		135.0	139.0	4.0			<.01 <.001
			13239		139.0	143.0	4.0			<.001
			13240		143.0	147.0	4.0			<.01
			13241		147.0	151.0	3.0			<.001
			13242		151.0	154.0	3.0			<.01 <.001
			13243		154.0	156.9	2.9			<.01 <.001

# DIAMOND DRILL RECORD

 NAME OF PROPERTY JACKPOT

 HOLE NO. JP82-10 SHEET NO. 4 of 7

FOOTAGE		DESCRIPTION	SAMPLE			Zn	Pb	ASSAYS		
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	
					FROM					TO
156.9	181.3	LIMESTONE (REEVES FM UNIT 4a)								
		- similar to preceding limestone, but with coarser grained marble section.	13157	156.9	160.0	3.1			<.01	
		- banding present, but becoming vague.	13158	160.0	164.0	4.0				<.001
		- no mineralization apparent.	13159	164.0	168.0	4.0			<.01	
		- chalky white wollastonite-rich bands prominent, but decrease downhole	13160	168.0	172.0	4.0				<.001
		157.0 - 158.0 ft - nose of granitoid dyke preserved on one side of core.	13161	172.0	176.0	4.0			<.01	
		160.5 ft - fracture zone, probably 0.5 - 1.0 ft of missing core.	13162	176.0	179.0	3.0				<.001
		164.0 ft - banding parallel to C.A.	13163	179.0	181.3	2.3			<.01	
169.0 ft - banding at 15° to C.A.										
181.3 ft - contact set at first appearance of pale green serpentine rich bands; contact at 65° to C.A.										
181.3	194.0	DOLOMITIC LIMESTONE (REEVES FM UNIT 4b)								
		- fine grained, medium grey.	13164	181.3	185.0	3.7				<.001
		- characterized by bands of calcite-carbon-serpentine which are well laminated internally; colour of these bands are dark grey and medium green.	13165	185.0	189.0	4.0			.02	
- locally bands appear brecciated or contorted.	13166	189.0	194.0	5.0			.03	<.001		
194.0	196.2	FAULT ZONE								
		- mostly dolomitic limestone debris and mud.	13167	194.0	196.2	2.2			<.01	<.001
196.2	251.7	DIORITE/GABBRO								
		- 25% mafics (biotite-hornblende) medium grained.	13168	196.2	200.0	3.8			<.01	<.001
		- sulphide content negligible.								
		- core tends to be blocky.								
		- unit becomes feldspar porphyritic downhole, then loses phenocrysts near lower contact.								

# DIAMOND DRILL RECORD

 NAME OF PROPERTY JACKPOT

 HOLE NO. JP82-10 SHEET NO. 5 of 7

FOOTAGE		DESCRIPTION	SAMPLE			Zn %	Pb %	ASSAYS		
FROM	TO		NO.	% SULPH IDES	FOOTAGE			Ag OZ TON	Au OZ TON	
					FROM					TO
		245.2 - 247.4 ft								
		251.7 ft								
251.7	254.2	SKARN - contact zone, calcareous, silicified adjacent to gabbro. - no visible mineralization.	13169		251.7	254.2	2.5	<.01	<.001	
		254.2 ft								
254.2	264.7	LIMESTONE (REEVES FM UNIT 4c) - dark grey, medium grained; not previously encountered in any drill hole. - distinctive appearance due to calcite-diopside bands and patches, internally well laminated; patches comprise 20% of unit. - apparently no mineralization. - banding becomes less distorted near lower contact; becomes oriented at 20° to C.A.	13170 13171 13172		254.2 258.0 262.0	258.0 262.0 264.7	3.8 4.0 2.7	<.01 <.01	<.001 <.001	
		264.7 ft								
264.7	278.0	LIMESTONE (REEVES FM UNIT 4c) - similar to above, but dark grey limestone is subordinate to white medium grained marble. - diopside appears as contorted fracture fillings or as boundaries of calcite-diopside bands. - apparently no sulphides in unit.	13173 13174 13175 13176	2%	264.7 268.0 272.0 276.8	268.0 272.0 276.8 278.0	3.3 4.0 4.8 1.2	<.01 <.01 <.01	<.001 <.001	
		276.8 - 278.0 ft								
		- lower contact is skarn; silicified epidotized, calcareous; 1-2% po appears in silicified portion of skarn.								



# DIAMOND DRILL RECORD

 NAME OF PROPERTY JACKPOT

 HOLE NO. JP82-10 SHEET NO. 6 of 7

FOOTAGE		DESCRIPTION	SAMPLE			Zn	Pb	ASSAYS		
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	Ag	Au
					FROM	TO			TOTAL	OZ TON
278.0	300.0	<b>GABBRO</b> - 25-30% mafics, fine to medium grained. - locally gabbro is altered, alteration consists of carbonatization, epidotization and possibly weak silicification, with development of bright green fuchsite (?) 278.0 - 287.0 ft - gabbro is weakly carbonatized only minor bleaching to pale green altered gabbro is present. 287.0 - 300.0 ft - strongest alteration of gabbro, considerable bright green fuchsite or mariposite developed locally; may be alteration of biotite in gabbro; numerous 1mm - 10mm laminated quartz-calcite veinlets present; no apparent mineralization. 292.4 - 293.5 ft - probable fault zone, alteration is very intense but without addition of fuchsite; core is very soft, shows breccia fragments cemented by calcite. 295.6 - 296.0 ft - coarse calcite vein with altered gabbro fragments. 300.0 ft - lower contact uncertain.	13177		278.0	282.0	4.0			<.001
			13178		282.0	287.0	5.0			<.001
			13179		287.0	291.0	4.0			<.001
			13180		291.0	295.0	4.0			.001
			13181		295.0	297.5	2.5			<.001
			13182		297.5	300.0	2.5			<.001
300.0	303.1	<b>MAFIC LAMPROPHYRE</b> - porphyritic black biotite phenocrysts, pyroxene or amphibole phenocrysts are altered to assemblages of carbonate and epidote; dull red feldspar phenocrysts present, locally some fuchsite where lamprophyre is altered near contact.	13183		300.0	303.1	3.1			<.001

# DIAMOND DRILL RECORD

NAME OF PROPERTY JACKPOT

HOLE NO. JP82-10 SHEET NO. 7 of 7

FOOTAGE		DESCRIPTION	SAMPLE			Zn	Pb	ASSAYS		
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	Ag	Au
					FROM	TO			TOTAL	OZ TON
		- this unit may actually be a phase of the preceding gabbro. 303.1 ft - lower contact at 60° to C.A.								
303.1	310.7	LIMESTONE (REEVES FM UNIT 4c) - white, medium grained, minor diopside-rich patches. - no mineralization noted. - weak banding is parallel to C.A. 310.7 ft - lower contact at 35° to C.A.	13448		303.1	307.0	3.9		<.01	<.003
			13449		307.0	310.7	3.7		<.01	<.003
310.7	313.0	SKARN (REEVES FM UNIT 4c) - carbonate and diopside-rich; black acicular amphibole, possibly actinolite, is present locally. - no apparent mineralization.	13450		310.7	313.0	2.3		<.01	<.003
313.0		END OF HOLE <i>J.P. 8/24</i>								

# DIAMOND DRILL RECORD

NAME OF PROPERTY JACKPOT  
 HOLE NO. JP82-11 LENGTH 477.0 ft  
 LOCATION 261.5° AZ for 158.5 ft from DDH J74; Lerwick Zone  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP -90°  
 STARTED July 25, 1982 FINISHED July 26 1982

Uncorrected			Corrected		
FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
0	-90°		0	-90°	
300	-90°		300	-90°	
477	-87°		477	-87°	

HOLE NO. JP82-11 SHEET NO. 1  
 REMARKS \_\_\_\_\_

LOGGED BY J.R. FOSTER

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			Zn %	Pb %	Ag OZ/TON	Au OZ/TON
					FROM	TO	TOTAL				
0	17.0	CASING									
17.0	137.5	DIORITE/GABBRO - medium grained, locally feldspar porphyritic. - becomes increasingly mafic downhole. - core often blocky or broken, probably representing deep fractures. - no significant mineralization. 74.0 - 79.3 ft - zone of carbonatization and weak oxidization; some blocky core, may be fault or fracture. 134.0 - 137.5 ft - contact zone becomes siliceous, fine grained. 137.5 ft - lower contact at 55° to C.A.									
137.5	153.0	LIMESTONE (REEVES FM UNIT 4b) - light to medium grey, fine to medium grained; well recrystallized to a granular homfelsic texture - limestone is vaguely banded at 70° to C.A. - unit has speckled appearance due to 25 - 30% dark calcite grains in white calcite matrix.									

# DIAMOND DRILL RECORD

 NAME OF PROPERTY JACKPOT

 HOLE NO. JP82-11 SHEET NO. 2 of 11

FOOTAGE		DESCRIPTION	SAMPLE			Zn	Pb	ASSAYS			
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	Ag	Au	
					FROM	TO			TOTAL	OZ TON	OZ TON
		- locally limestone is intruded by small felsic dykes; generally bands or patches of yellowish-green serpentine + carbon diopside are present at or near the contacts of these dykes. - overall mineralization is very low, less than 1%, becomes locally concentrated up to 3% within 1 - 2 inches of contacts with dykes; py po, sph galena, native silver (?) magnetite and zinc spinel (gahnite) have been identified.	13244		137.5	141.3	3.8	.03	<.01		
			13245		141.3	144.8	3.5		<.01	<.001	
	137.5 - 141.3 ft	- limestone, much less than 1% sph; 2mm sph band at 139.8 ft, black very soft metallic mineral is present surrounding chalky white dolomite (?) grains, possibly native Ag.									
	141.3 - 141.4 ft	- portion of fine grained intermediate dyke is present on one side of core, two serpentine rich bands just above dyke are oriented at 65° and 35° to C.A.									
	143.2 - 144.8	- medium grained purplish granitoid dyke at 60° to C.A.									
	144.8 - 149.1 ft	- limestone, overall less than 1% sph present; two 1 cm bands with zinc spinel at 147.5 and 147.8 ft; sph, galena py, po + native silver present at 148.7 - 149.0 ft.	13246		144.8	149.1	4.3	.03	.01	<.01	<.001
	149.1 - 150.0 ft	- fine grained felsic dyke, very siliceous; green tinge due to diopside; yellow green serpentine and pale green diopside bands are developed at contacts.									
	150.0 - 151.5 ft	- limestone with numerous serpentine rich patches, possibly pseudomorphs after olivine(?)									

# DIAMOND DRILL RECORD

NAME OF PROPERTY JACKPOT

HOLE NO. JP82-11 SHEET NO. 3 of 11

FOOTAGE		DESCRIPTION	SAMPLE			Zn	Pb	ASSAYS		
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	Ag	Au
					FROM	TO			TOTAL	OZ TON
		151.5 - 153.0								
		- limestone, weak banding at 55° to C.A.; brown patches may be oxidized sph.								
153.0	156.9	FELSIC DYKE - fine to medium grained, very siliceous, greenish tinge due to presence of diopside + epidote and pale green muscovite. - no apparent mineralization.	13247		153.0	156.9	3.9		<.01	<.001
156.9	159.8	LIMESTONE (REEVES FM UNIT 4b) - massive, fine grained, white to light grey. - pale yellow-green serpentine-rich grains are present. - sulphide content is negligible. - carbonaceous laminae near lower contact are oriented at 40° to C.A. 159.8 ft - lower contact at 40° to C.A.								
159.8	164.6	SKARN - unusual hybrid, very siliceous (cherty) near upper contact becomes medium grained trondhjemite (?) at 160.5 ft then calcareous garnetiferous skarn at 162.5 ft with no apparent intrusive contacts. - overall, mineralization is mostly confined to skarn, only po, py and sph identified; sph is rare. - sulphide content is 3% overall. 164.6 ft - lower contact at 80° to C.A.	13248	3%	159.8	164.6	4.8			<.001
164.6	175.7	DOLOMITE (REEVES FM UNIT 4b) - massive, well recrystallized, medium grained, white. - sulphides are present as massive intergrown fracture fillings of py, po and sph. - dolomite appears to be weakly silicified.								



# DIAMOND DRILL RECORD

NAME OF PROPERTY JACKPOT  
 HOLE NO. JP82-11 SHEET NO. 4 of 11

FOOTAGE		DESCRIPTION	SAMPLE				Zn	Pb	ASSAYS	
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ TON	OZ TON
					FROM	TO				
		164.6 - 167.1 ft	13249	12%	164.6	167.1	2.5	1.70	.01	.04
		- well mineralized; 10 - 12% sulphides Zn estimated = 1-2%.	13250	9%	167.1	168.8	1.7	1.02	.01	.02
		167.1 - 167.8 ft								
		- barren dolomite.								
		167.8 - 168.8 ft	13477		168.8	171.0	2.2	<.01		
		- 15 - 18% sulphides only py po, sph recognized; Zn estimated 2 - 3%.	13478		171.0	174.0	3.0	<.01		
		168.8 - 174.0 ft	13251	2%	174.0	175.7	1.7	.66	<.01	<.01
		- barren dolomite.								
		174.0 - 175.7 ft								
		- po + py appears in brecciated fracture zone, sph is present but negligible.								
		175.7 ft								
		- lower contact at 75° to C.A.								
175.7	256.4	SILICIFIED DOLOMITE (MINERALIZED ZONE) (REEVES FM UNIT 4b)								
		- well fractured, strongly brecciated from 175.7 - 179.5 ft	13252		175.7	180.0	4.3	.10	.01	.02
		- dolomite is only very weakly reactive; breccia matrix is very siliceous, orange in colour due to presence of oxidized sulphides in fractures.	13310	1%	180.0	184.0	4.0	.03		
		- unit is light grey, fine to medium grained, massive	13311	2%	184.0	188.0	4.0			
		175.7 - 179.5 ft	13184	15%	188.0	192.0	4.0	1.95	<.01	.03
		- brecciated zone; less than 1% sulphides overall, mostly py with disseminated galena grains.								
		188.0 - 188.0 ft								
		- white well fractured silicified dolomite; almost all fractures are filled with oxidized sulphides, unoxidized fractures contain only py, overall sulphide content is 1-2%; 3 unoxidized py-filled fractures up to 1 cm wide occur at 184.0 - 185.0 ft oriented at 20° to C.A.								
		188.0 - 192.0 ft								
		- sphalerite zone; overall 13-15% sulphides as disseminations and semi-massive to massive bands, Zn estimated = 3-4%.								

# DIAMOND DRILL RECORD

 NAME OF PROPERTY JACKPOT

 HOLE NO. JP82-11 SHEET NO. 5 of 11

FOOTAGE		DESCRIPTION	SAMPLE				Zn	Pb	ASSAYS	
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	Ag	Au
					FROM	TO			TOTAL	07 TON
192.0	200.8	ft - little mineralization, overall 1-2%, only py and sph present; Zn estimated less than 1%.	13185	2%	192.0	195.0	3.0	.16	<.01	<.01
			13186	2%	195.0	198.0	3.0	.50	<.01	<.01
200.8	202.5	ft - sphalerite zone, overall 35% sulphides, mostly po, sph and py; po increases toward lower contact; Zn estimated = 6-7%.	13187	2%	198.0	200.8	2.8	.03	<.01	<.01
			13188	35%	200.8	202.5	1.7	8.46	<.01	.07
			13189	3%	202.5	203.7	1.2	3.24	.03	.04
202.5	203.7	ft - silicified intermediate dyke, 3% sulphides, almost entirely py with rare galena.	13190	2%	203.7	205.8	2.1	1.92	<.01	.02
			13191	2%	205.8	209.0	3.2	.43	<.01	<.01
203.7	209.0	ft - overall 2% sulphides, py and sph; Zn estimated less than 1%.						* REGROUND TO -200 MESH		
209.0	212.0	ft - sphalerite zone from 209.0 - 211.2 ft; overall 20% sulphides, mostly po, sph and lesser py; Zn estimated 4 - 5%; diopside present at 209.0 ft, banding oriented at 40° to C.A.	13192	20%	209.0	212.0	3.0	5.00	.01	.03
			13193	10%	212.0	215.0	3.0	4.40	<.01	.02
			13194	35%	215.0	218.0	3.0	6.52	<.01	.03
			13195	25%	218.0	221.0	3.0	7.60	<.01	.03
212.0	215.0	ft - overall sulphide content drops to 8-10%, mostly po, py and sph; Zn estimated = 1-2%.								
215.0	218.0	ft - silicification becomes less intense, dolomite becomes more calcareous; sphalerite zone, overall 30-35% sulphides; mostly po, sph and minor py; Zn estimated = 5-6%.								
218.0	221.0	ft - sphalerite zone, overall 20-25% sulphides mostly po, sph and lesser py; Zn estimated = 3-4%; banding at 50° to C.A.								

# DIAMOND DRILL RECORD

 NAME OF PROPERTY JACKPOT

 HOLE NO. JP82-11 SHEET NO. 6 of 11

FOOTAGE		DESCRIPTION	SAMPLE				Zn	Pb	ASSAYS		
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	Ag	Au
					FROM	TO	TOTAL			OZ TON	OZ TON
		221.0 - 224.0 ft	- silicified zone, sulphide content drops to 10 - 13%; Zn estimated = 1 - 2%.	13196	13%	221.0	224.0	3.0	3.40*	<.01	.04
				13197	6%	224.0	228.0	4.0	4.17	<.01	.03
				13198	2%	228.0	231.0	3.0	1.28	<.01	<.01
		224.0 - 228.0 ft	- sulphide content drops to 5-6% overall, Zn estimated less than 1%; sulphide banding at 225.0 ft at 40° to C.A.	13199	1%	231.0	234.0	3.0	.30	<.01	<.01
				13200	1%	234.0	236.0	2.0	.28	<.01	<.01
				13432	1%	236.0	239.0	3.0	.175		
				13433		239.0	242.0	3.0	.044		
		228.0 - 245.0 ft	- no apparent silicification, dolomite is medium grained, light grey; overall sulphide content drops to 1% or less; numerous carbonaceous fractures with py and sph define banding in dolomite; Zn content less than 1%.	13434		242.0	245.0	3.0	.350		
				13253	3%	245.0	248.0	3.0	.50		
				13479		248.0	252.0	4.0	<.01		
				13480		252.0	256.4	4.4	<.01		
		231.0 ft	- carbonaceous fractures at 35° to C.A.								
		245.0 - 248.0 ft	- sulphide content increases to 3% overall, less than 1% Zn; banding at 25° to C.A.								
		248.0 - 256.4 ft	- sulphides decrease to 1% or less, carbonaceous fractures decrease downhole; at 255.0 ft fractures are at 60° to C.A.								
		256.4 ft	- lower contact at 40° to C.A.								
256.4	260.8	SKARN	- fine grained, light grey with green tinge, weakly calcareous; garnet developed as light red patchy aggregates.	13254	5%	256.4	260.8	4.4		<.01	<.001
			- overall sulphide content is 5%, only py recognized.								
		260.8 ft	- lower contact at 40° to C.A.								

\* REGROUND TO - 200 MESH

# DIAMOND DRILL RECORD

 NAME OF PROPERTY JACKPOT

 HOLE NO. JP82-11 SHEET NO. 7 of 11

FOOTAGE		DESCRIPTION	SAMPLE			Zn	Pb	ASSAYS		
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	Ag	Au
					FROM	TO			TOTAL	OZ TON
260.8	305.5	DOLOMITE (REEVES FM UNIT 4b) - light grey, medium grained, very weak reaction with HCl; dolomite is banded on 1mm - 1cm scale. - overall sulphide content is less than 1%, mostly py, rare sph and galena usually confined to fractures. 265.0 - 271.0 ft - probable misnumbering of core; at least 2.0 ft additional core appears in section. 267.0 - 269.0 ft - sulphide content up to 1%, mostly py, lesser sph and galena in fractures at 210° to C.A.; banding oriented at 45° to C.A. 277.0 ft - banding at 30° to C.A. 293.0 ft - banding at 30° to C.A. 295.4 - 295.6 ft - 30% po and py + rare sph 305.0 ft - banding at 25° to C.A. 305.5 ft - crosscutting lower contact at 140° to C.A.	13255		267.0	269.0	2.0	.77	.05	.03
			13435		269.0	272.4	3.4	.116		
			13481		293.0	296.0	3.0	.63		
305.5	312.0	MAFIC LAMPROPHYRE - dark grey, porphyritic; white feldspar, green pyroxene or amphibole and brick red hematite phenocrysts in a fine biotite-rich matrix, no apparent sulphides.								
312.0	343.9	DOLOMITE (REEVES FM UNIT 4b) - similar to unit at 260.8 - 305.5 ft - intrusive upper contact at 115° to C.A.; banding at 312.5 ft at 30° to C.A. - sulphide content much less than 1%. 320.0 ft - banding at 25° to C.A. 332.0 ft - banding at 35° to C.A.	13436		318.5	321.0	2.5	<.01		
			13437		321.0	324.0	3.0	.012		

# DIAMOND DRILL RECORD

NAME OF PROPERTY JACKPOT

HOLE NO. JP82-11 SHEET NO. 8 of 11

FOOTAGE		DESCRIPTION	SAMPLE			Zn	Pb	ASSAYS		Au
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ TON	OZ TON
					FROM	TO				
343.9	373.6	<p>DOLOMITE (REEVES FM UNIT 4b)</p> <ul style="list-style-type: none"> <li>- distinguished from above dolomite by more sharply defined carbonaceous laminae and lighter colour.</li> <li>- overall sulphide content is less than 1%.</li> <li>- graphitic fractures first appear in this unit.</li> <li>345.0 ft - laminae at 25° to C.A.</li> <li>354.0 ft - laminae at 45° to C.A.</li> <li>363.0 ft - laminae at 45° to C.A.</li> <li>364.0 - 370.0 ft - considerable tight fracturing; laminae change from 50° to 25° to C.A., locally is sub-parallel to C.A.; probable nose of fold.</li> <li>370.0 - 371.0 ft - portion of calcareous skarn on one side of core, 5% massive py overall in several bands.</li> </ul>								
373.6	374.3	<p>FELSITE</p> <ul style="list-style-type: none"> <li>- extremely siliceous, weakly calcareous, pale purple colour.</li> <li>- 1 - 3% py found in fractures.</li> <li>- lower contact at 40° to C.A.</li> </ul>								
374.3	377.0	<p>DOLOMITE (REEVES FM UNIT 4b)</p> <ul style="list-style-type: none"> <li>- fine to medium grained, well banded on mm - 1cm scale, few carbonaceous laminae present.</li> <li>- banding changes from 35° to C.A. at 374.5 ft to 80° to C.A. at 376.5 ft, indicates folding.</li> <li>- lower contact at 70° to C.A. marked by 1cm garnetiferous and micaceous skarn.</li> <li>376.3 ft - 0.5 cm band of semi-massive sph</li> </ul>								
377.0	377.9	<p>FELSITE</p> <ul style="list-style-type: none"> <li>- similar to dyke at 373.6 - 374.3 ft</li> <li>- lower contact at 35° to C.A.</li> </ul>								



# DIAMOND DRILL RECORD

NAME OF PROPERTY JACKPOT  
 HOLE NO. JP82-11 SHEET NO. 9 of 11

FOOTAGE		DESCRIPTION	SAMPLE			Zn	Pb	ASSAYS		Au
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	
					FROM	TO	TOTAL			
377.9	383.0	DOLOMITIC LIMESTONE (REEVES FM UNIT 4b) - slightly more calcareous than above dolomite units - fine to medium grained; dark grey bands are 1-5mm wide, usually fine grained, while white bands are 5 - 10mm, coarse grained. - sulphide content increases compared to preceding dolomites but overall remains less than 1%. 381.0 - 383.0 ft - sulphide content increases to 2% overall mostly po with some sph in laminae; laminae at 40° to C.A. 383.0 ft - contact is gradational, set at first appearance of carbonaceous laminae; banding at contact oriented at 45° to C.A.	13256		381.0	383.0	2.0	0.81*		<.01
383.0	403.3	DOLOMITE (REEVES FM UNIT 4b) - less calcareous than preceding section. - dolomite is well fractured, graphite appears in fractures; some folding indicated by angles of fractures and laminae to C.A. - several coarse grained massive dolomite sections are present. - overall sulphide content is less than 1%. 403.3 ft - contact at 75° to C.A. set where graphitic fractures disappear, contact appears to be crosscutting banding in underlying dolomite.	13438		383.0	386.0	3.0	.022		
			13439		386.0	389.0	3.0	.014		
			13484		396.0	400.0	4.0	<.01		
			13485		400.0	403.3	3.3	.425		
403.3	449.3	DOLOMITIC LIMESTONE (REEVES FM UNIT 4b) - more calcareous than preceding dolomite - fine to medium grained, well banded, locally well fractured and vuggy.								

\* REGROUND TO - 200 MESH

# DIAMOND DRILL RECORD

 NAME OF PROPERTY JACKPOT

 HOLE NO. JP82-11 SHEET NO. 10 of 11

FOOTAGE		DESCRIPTION	SAMPLE			Zn	Pb	ASSAYS		
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	Ag	Au
					FROM	TO			TOTAL	02 TON
		- sulphide content increases, locally reaches 10 - 30% over short core lengths; mostly po, py, sph, minor galena.	13257	5%	403.3	406.0	2.7	.51	.01	
		- asbestiform serpentine appears on some fracture faces.	13258	8%	413.0	416.0	3.0	1.33*	.01	
		403.3 - 406.0 ft	13313	4%	416.0	419.0	3.0	.66		
		- overall 4 - 5% sulphides, mostly concentrated from 403.3 to 404.5 ft; banding at 40° to C.A.; Zn estimated 1-2%, Pb up to 0.5%	13482	1%	419.0	423.0	4.0	.014		
		406.0 - 413.0 ft	13483		423.0	427.0	4.0	.01		
		- very few sulphides, banding at 50° to C.A.	13405		443.0	447.0	4.0	.425		
		413.0 - 413.5 ft	13440	3%	447.0	448.3	2.3	.056		
		413.5 - 416.0 ft								
		- 30% py in bands and fractures.								
		416.0 - 419.0 ft								
		- 5 - 6% sulphides, Zn estimated up to 1%.								
		423.0 - 432.0 ft								
		- 4% sulphides, less than 1% Zn; banding at 75° to C.A.								
		438.0 ft								
		- very blocky core, pale green and blue asbestos present on several fractures; locally some brecciation indicating faulting.								
		446.0 ft								
		447.0 - 449.3 ft								
		- banding at 60° to C.A.; unit becoming less calcareous downhole.								
		449.3 ft								
		- sulphide content increases to 3% py, po, sph; Zn estimated less than 1%.								
		- lower contact obscured by blocky core, arbitrarily set where graphitic fractures become prominent.								

\* REGROUND TO - 200 MESH

# DIAMOND DRILL RECORD

NAME OF PROPERTY JACKPOT  
 HOLE NO. JP82-11 SHEET NO. 11 of 11

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			Zn	Pb	Ag	Au
					FROM	TO	TOTAL				
449.3	461.8	DOLOMITE (REEVES FM UNIT 4b) - white to light, grey, fine to medium grained - graphitic fractures common from 449.3 to 454.0 ft and 459.0 - 461.0 ft. - sulphide content negligible 456.0 ft - banding at 55° to C.A. 461.8 ft - intrusive lower contact at 145° to C.A.	13486		449.3	453.0	3.7	.021			
461.8	464.2	DIORITE - medium grained, pale green									
464.2	468.6	DOLOMITE (REEVES FM UNIT 4b) - lower contact at 45° to C.A.									
468.6	470.8	DIORITE - lower contact at 70° to C.A.									
470.8	474.0	DOLOMITE (REEVES FM UNIT 4b) - banding parallel to C.A. probably rotated inclusion in diorite.									
474.0	477.0	DIORITE									
477.0		END OF HOLE 