

PROPERTY	TP OR AREA	AZIMUTH	DATE STARTED	CORRECTED DIP TESTS			LOCATION SKETCH OF HOLE TESTS: (SPERRY-SUM B SINGLE SHOT CORRECTED 30° FOR MAGNETIC DECLINATION.)
				DEPTH	DIP	AZIMUTH	
MEL	NTS 95D-6, YUKON	273° (GRD WEST)	MAR. 4/87				
PROJECT	LOT & CONC.	DIP	DATE COMPLETED				
6250	SECTION 100 + 06 N	- 77°	MAR. 10/87	152	-75.8°	257°	
CLAIM NO.	CO-ORDINATES	LENGTH	DRILLED BY	300	-67.2°	258°	
JEAN 4	10,006.1 N	399.59	D.J. DRILLING LTD	396	-63°	258½°	
GRID NO.		COLLAR ELEV.	LOGGED BY				
	10,227.9 E	902.5	DC MILLER				

METRES		SECTION	DESCRIPTION	ASSAYS			
FROM	TO			SAMPLE NO.	FROM	TO	LENGTH
			BQ CORE				
			OBJECTIVES:- TEST MEL DEPOSIT AT DEPTH				
			overburden				
0	51.82		casing, no core; mostly silty till with few large boulders.				
51.82	331.80		WAVY BANDED LIMESTONE				
			(51.82 - 75.80) - light and dark grey				
			alternating bands; light bands average 1 cm				
			or more in width and dark bands average				
			less than 5 mm; dark bands are anastomosing				
			and may enclose light bands creating boudinage				
			structure; occasional light bands range up to				
			25 cm in width; rare slab or veinlet of				
			fine grained pyrite associated with calcite;				
			about 5% white calcite and calcite-quartz				
			veinlets ranging from less than 1 mm to				
			2 cm at various angles; also some parallel				
			1 mm discontinuous calcite veinlets cutting				
			darker bands at nearly right angles causing				
			a striped texture; core tends to be blocky				
			and breaks into pieces generally less than				
			10 cm; core recovery mainly 90-95%.				
			(63.70 - 64.62) Broken, ground core 70%				
			recovery				
			Banding: (52.40 - 67.00) 30-40°				
			(67.00 - 75.80) 50-70°				
			(75.80 - 97.20) - similar to preceding; banding				
			40-45° @ (75.80 - 80.50), 60-80° @ (80.50 - 94.00)				
			50-65° @ (94.00 - 97.20); local strong boudinage				
			structure; blocky & broken core; breaks				
			average 10 cm; 95% recovery;				
			Fold axis or drag fold @ 93.50°.				

METRES		SECTION	DESCRIPTION	ASSAYS			
FROM	TO			SAMPLE NO.	FROM	TO	LENGTH
			<p><u>WAVY Banded LIMESTONE, CONID</u></p> <p>(97.20 - 119.50) : Similar to preceding; banding 25-50° @ (97.20 - 99.00), 25-30° @ (99.00 - 108.00), 40-70° @ (108.00 - 113.00), 60° @ (113.00 - 119.40).</p> <p>Siliceous, pyritic limestone @ (111.90 - 112.05); generally fair core with 95% recovery; broken core @ (97.60 - 98.76) with 30% recovery; also at (107.63 - 107.80) and (117.20 - 119.50), but with 90% recovery; core breaks along bedding plane partings; core ranges from pieces up to 40cm to finely crushed pieces in broken areas.</p> <p>(119.50 - 133.20) similar to preceding; banding ranges from 50-70° and averages 65°; fair core in pieces averaging 5cm; breaks along smooth partings parallel to banding; broken @ (121.40 - 121.70) & (122.90 - 123.30); occasional thicker light colored bed to 15cm thick; light colored bands average more than 2cm thick with weak bedding structure; rare blob of fine pyrite associated with calcite; 5% white calcite - quartz veining mainly as fine 1-2mm veinlets at various angles, but some larger veins ranging up to 10cm; core recovery 95%.</p> <p>(133.20 - 155.00) similar to preceding but light bands are now thinner averaging 1cm; banding ranges from 30 to 10° and averages 65°; minor fine pyrite associated with calcite blobs up to 1cm in size; 5% quartz calcite - quartz veining; fair core generally in pieces more than 5cm long but broken into smaller pieces @ (141.20 - 142.95) & (147.40 - 147.60).</p> <p>90% calcite - quartz veining @ (147.60 - 149.35).</p> <p>Several tight folds @ (149.80 - 155.00) with some brecciation.</p>				

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METRES		SECTION	DESCRIPTION					ASSAYS			
FROM	TO			SAMPLE NO.	FROM	TO	LENGTH	PERCENT			
387.95	394.10		<u>ORE ZONE</u> (387.95-388.96) matrix is composed of brecciated quartz and calcite with about 10% white calcite blobs and discontinuous veins to 5 cm thick; quartz varies from light to dark grey and includes some silicified shale; matrix contains about 5% brown and honey colored sphalerite ranging from fine grains to blobs to 1 cm and which are disseminated throughout the matrix; minor sphalerite is also present as fine veinlets; about 1% galena is present as blobs to 2 cm in size and as fine veinlets; traces of very fine pyrite are present as rare disseminated grains and ^{pyrite is} also associated with galena locally; excellent core with 99% recovery.	42868	387.95	388.96	1.01	2.14	0.71	0.05	
				42869	388.96	391.00	2.04	19.20	4.65	0.04	
				42870	391.00	393.00	2.00	23.80	1.27	0.04	
				42871	393.00	394.10	1.10	29.40	0.03	0.03	
			(388.96-391.00) Matrix is composed of brecciated quartz, calcite and brown mudstone with approximately 70% quartz, 20% mudstone and 5% calcite; quartz varies from light to dark grey; mudstone has been replaced and veined by quartz and calcite; mudstone indicates the original host rock was cryptocrystalline limestone; minor sericite has been formed from the alteration of mudstone.	Average	387.95	394.10	6.15	19.72	2.08	0.04	0.07
			Total sphalerite content is approximately 25% with about 10% galena; sphalerite is mainly brown with some honey colored sphalerite and occurs as fine grains to large blobs ranging up to several cm in size; about 1% pyrite is present as very fine grains in mudstone and as larger blobs interstitial to other minerals; excellent core with 97% recovery.								
			(391.00-393.00) - similar to preceding but with less galena; excellent core, 97% recovery								
			(393.00-394.10) - similar to preceding but with very minor galena and about 25% sphalerite; excellent core 99% recovery.								

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