

VANGORDA GRUM
DIAMOND DRILL RECORDS
SURFACE

75-A121 to A128

~~76-A129 to~~

Sept. 75 to

018548

75 - A121 to A128
76 - A129 to

(Typed)

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay x				
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag		
178.0	180.4	QUARTZ-SERICITE PHYLLITE Dark grey 40% Quartz-fels, thinly banded. Distorted and fractured @ 178.1-179.4 Minor Py (0.2%), a few streaks and spots PbZn F ₂ C.A. 40° @ 178.1-179.1, 70° to 180.4	1.6/2.4		178.0	180.4											
180.4	189.4	MASSIVE SULPHIDES Fine grained, massive py with faint banding, magnetite occur from 181.2-187. Low PbZn, minor barite. 180.4-181.2 Quartz-barite-sulphides, 35 py, 14 PbZn -183.0 90 Py, Mag, PbZn 1 -185.3 80 Py, 1.5 Mag, 4 PbZn -185.8 Bleached buff sericite phyllite. -186.0 95% Py, PbZn -186.2 Bleached buff sericite phyllite -188.5 85 Py, 3 PbZn, minor mag. -189.4 75 Py, 9 PbZn F ₂ CLA. 45° @ 180.4-184, 50° @ 184.2-184.7, 60° @ 185.5, 30° @ 186, 50° @ 186.3, 60° @ 187, 55° @ 189	0.7 1.5 2.3 1.25 2.0 1.3	2707 2708 2709 2710 2711 2712	180.4 182.8 185.1 (183.4-185.1)	181.2 182.8 185.1 185.1	0.8 1.6 2.3 (1.7)	7.50 .80 1.28 3.90	8.53 .48 .94 6.11	2.88 .44 .53 1.76	(98.8 g/mt) (38.0)	6.00 1.28 0.768 3.77=PbZn 2.65 3.36 5.85	6.824 .768 .564 9.165	2.304 .704 ..318 2.64			
189.4	193.7	QUARTZ-SULPHIDES±BARITE±SERICITE (Bleached) Massive rock with variable amount of sulphides, siliceous Av. 50 Py, 3 mag, 0.3 Cu, 5.5 BZ. Banded, F ₂ mineralizati. F ₂ C.A. 50-55°.	2.1 1.0	2713 2714	(189.9-191.4) 189.9 (191.4-192.6)	(1.5) 192.6 (1.2)	1.45 2.7 2.4	1.40 1.40 1.22	.56 .74			2.175 3.42 4.70	2.10 PbZn PbZn	.84			
193.7	203.6	QUARTZ-SULPHIDES-SERICITE, Bleached Buff sericite. Quartz, banded, variable sulphs, F ₂ mineralization. Some bands very sericitic, also variable. 193.7-194.8 30 Py, 0.5 PZ, 1% sericite -197.0 4 sericite, 40 Py, 0.4 mag; 5 PZ -201.5 1-4 " " 30-40 Py, minor mag. @ 199.9-204.4 4-6 PZ	0.9 2.2 1.7	2715 2716 2717	188.4 191.4 191.4	191.4 193.8 193.8	3.0 2.4 1.0	2.68 3.38 .80	3.76 PZ .38	1.16 (39.8)		8.025 8.12 1.18	11.265 Pz PbZn	3.48			

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay x				
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag		
69.0	71.0	SERICITE-CHLORITE-GRAPHITE-PHYLLITE Blocky, muddy core. Probable fault zone.	1.0/2.0														
71.0	100.0	CHLORITE-CALCITE-SERICITE-PHYLLITE Similar to section 7.9-40.0 F ₂ =80-90° Dark grey and slightly graphitic	29.0/29.0														
		" " " " " " " -----			92.5	94.0											
		" " " " " " " -----			95.4	97.2											
		Blocky muddy core-----			97.0	100.0											
100.0	112.5	CALCITE=GRAPHITE-SERICITE-pHYLLITE Black and grey colours. F ₂ =80° -White quartz vein with blébs of arsenopyrite -blocky core and gouge -Chlorite Phyllite. Contacts sharp at 80°	12.5/12.5														
					100.4	102.0											
					107.0	107.2											
					109.9	110.8											
112.5	113.2	BLEACHED SERICITE PHYLLITE Mottled with green fuchsite. F ₂ at 30-70°. Porous and friable Sharp contacts at 75°	0.7/0.7														
113.2	124.0	QUARTZ SULPHIDE ZONE. Cherty grey quartz with streaks and bands of Py, Sphal., Galena following old F ₁ laminae Core angle?	10.8/10.8														
		Quartz sulphide Py 6, PbZn 4	1.8	2837	113.2	115.0	1.8	2.38	3.48	1.09			4.284	6.264	1.962		
		" " " " Py 5, PbZn 3	2.0	2838	115.0	116.0	1.0	1.83	2.00	.71			1.830	2.000	.710		
		" " " " Py 5, PbZn 5	2.0	2839	116.0	118.0	2.0	1.93	3.54	.77			3.86	7.08	1.54		
		Quartz sulphide Py 5, PbZn 5	2.0	2840	118.0	120.0	2.0	1.90	3.48	.85			3.80	6.96	1.70		
		" " " " Py 5, PbZn 5	2.0	2841	120.0	122.0	2.0	1.75	3.18	.77			3.50	6.36	1.54		
		" " " " Py 5, PbZn	2.0	2842	122.0	124.0	2.0	1.99	3.00	.83			3.98	6.00	1.66		

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay x		
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag
		Quartz-Sulphide Py 10, PbZn 8	0.4	2854	145.4	146.6	1.2	2.78	4.02	1.35			3.336	4.824	1.62
		Breccia quartz and phyllite fragments in a vuggy pyrite ground mass	1.2/1.4		146.6	148.0									
				WT.AV	134.4	137.8	3.4	2.28	4.01	.98	(33.8)		7.762	13.65	3.347
					137.8	141.4	3.6	2.23	2.88	1.00	(34.4)		8.040	10.368	3/609
					141.4	146.6	5.2	2.84	4.33	1.39	(47.6)		14.784	22.515	7.222
148.8	152.0	QUARTZ SERICITE PHYLLITE	1.2/1.2												
		Numerous quartz veins. Several short bands of sulphides Py 30, PbZn 5	1.5	2855	150.6	151.5	0.9	1.23	1.18	.62					
152.0	155.2	QUARTZ GRAPHITE PHYLLITE	3.2/3.2												
		Dark grey colour. F ₂ =85° Black fault gouge-----			154.0	154.2									
155.2	156.5	QUARTZ CHLORITE PHYLLITE	1.3/1.3												
		Coarse mottled green-white colour. Kaolinized. F ₂ =60°													
156.5	160.7	QUARTZ SULPHIDE ZONE	3.9/4.2												
		Quartz sulphide, F ₂ =40-70°, Py 10, PbZn 4	1.8	2856	156.5	158.5	2.0	2.50	4.38	1.18			5.00	8.76	2.36
		" " " " F ₂ =irregular contorted, Py 10, PbZn 6	1.4	7	158.5	160.0	1.5	2.78	4.20	1.29			4.17	6.30	1.935
		" " " " Py 2, PbZn 2	0.7	8	160.0	160.7	0.7	1.73	2.64	.85	(29.2)				
				WT.AV	156.5	160.0	3.5	2.62	4.30	1.23	(42.1)		9.17	15.06	4.295

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay x			
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag	
299.1	307.2	QUARTZ SULPHIDE	7.7/8.1													
		Quartz-sulphide. F ₁ noses. Py 15, PbZn 4	1.3	2895	299.1	300.4	1.3	2.63	3.42	1.29			3.419	4.446	1.677	
		" " " " " F ₂ =70° Py 15, PbZn 6	1.3	2896	300.4	302.0	1.6	1.15	2.10	.53			1.840	3.360	0.848	
		" " " " " Py 15, PbZn 6	1.9	2897	302.0	304.0	2.0	1.88	2.76	.88			3.760	5.520	1.760	
		" " " " " Py 15, PbZn 8	2.0	2898	304.0	306.0	2.0	3.15	4.92	1.47			6.30	9.84	2.94	
		" " " " " Py 25, PbZn 8	1.2	2899	306.0	307.2	1.2	3.98	6.23	1.76			4.776	7.476	2.112	
				WT.AV	299.1	304.0	4.9	1.84	2.72	0.87	(30)		9.019	13.326	4.285	
				WT.AV	304.0	307.2	3.2	3.46	5.41	1.58	(54.1)		11.076	17.316	5.052	
307.2	316.0	BLEACHED-SERICITE-BIOTITE-PHYLLITE	8.8/8.8													
		Buff colour. Numerous 5-20mm bands of Po. Minor Cpy. 5-10mm streaks and bands of dark brown biotite.														
316.0	320.6	QUARTZ SERICITE PHYLLITE.	4.6/4.6													
		Grey colour. Locally brecciated. local wisps and narrow bands of Sphalerite	.3/.3		316.0	316.3										
		Py 3, PbZn 3	1.5	2900	316.3	317.8	1.5	.40	1.36	.15			2.64	PZ		
		Py 3, PbZn 2	1.6	2191	317.8	319.4	1.6	.38	.95	.12			2.13	"		
			1.2/1.2			320.6										
320.6	324.5	BLEACHED QUARTZ SERICITE PHYLLITE	3.9/3.9	WT.AV	316.3	319.4	3.1	1.5	PZ				4.77"			
		Contorted cherty F ₁ bands in sericite F ₂ at 70° Numerous wisps and bands of Po mineralization with minor Cpy and trace -s of PbZn. Bleached quartz sericite phyllite														
		" " " " " " " " " " Po 10, PbZn 2	2.0	2192	320.6	322.6	2.0	.50	.92	.26			2.84	PZ		

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay x		
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag
		Massive sulphide 20% barite Py 70% PbZn 15	1.2	2195	375.2	376.4	1.2	7.65	11.53	3.68			9.180	13.836	4.416
		" " " " " 10% barite Py 80% PbZn 10	1.0	2196	376.4	377.4	1.0	4.95	5.76	2.00			4.95	5.76	2.00
				WT.AV	375.2	377.4	2.2	6.42	8.91	2.92	(100)		14.130	19.596	6.416
				WT.AV	374.4	377.4	3.0	5.16	7.04	2.84	(80.1)		15.474	21.132	7.008
377.4	378.9	BLEACHED SERICITE	1.5/1.5		377.4	378.9									
378.9	380.2	MASSIVE SULPHIDE.													
		Same as 375.2-377.4 but finer grained and with very little barite. Banding at 70° Massive sulphide. Barite 5% Py 90, PbZn 5	1.2	2197	378.9	380.2	1.3	3.83	2.10	1.47					
380.2	383.4	QUARTZ GRAPHITE SERICITE PHYLLITE.													
		F ₂ =70°	/3.2		380.2	383.4									
383.4	384.1	MASSIVE SULPHIDE													
		Sharp contacts at 45° and 80° Streaks and bands of PbZn sulphide also change from 45° to 80° at end of section Py 85 PbZn 12	0.7	2198	383.4	384.1	0.7	7.41	3.18	3.12	(107)		5.187	2.226	2.184
384.1	384.8	QUARTZ SERICITE PHYLLITE	/0.7		384.1	384.8									
384.8	410.6	SULPHIDE ZONE.													
		Massive sulphide, barite 5, Py 90, PbZn 6	0.8	2199	384.8	385.6	0.8	2.48	3.48	1.24	(42.5)		1.984	2.784	0.992

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay x		
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag
		Mixed, quartz sulphide and sericite	1.2	2200	385.6	385.8	1.2	.70	1.28	.44			0.840	1.536	0.528
		Quartz sulphide	1.6/1.6		386.8	388.4									
		Bleached sericite with sulphide bands	1.4/1.4		388.4	389.8		L% PbZn EST							
		Quartz sulphide	0.6/0.6		389.8	390.4		0.3%	" EST						
				WT.AV	383.4	386.8	3.4	2.36	1.93	1.09	(37.4)		8.011	6.546	3.704
		Massive Sulphide. Banding at 70°	1.3	2727	390.4	391.7	1.3	1.95	3.06	0.97	(33.2)		2.535	3.978	1.261
		" " " " " " " " " "	1.2	2728	391.7	392.9	1.2	3.15	3.12	1.32			3.780	3.744	1.584
		Quartz Sulphide and breccia of quartz in sulphides	1.7	2729	392.9	394.6	1.7	4.92	8.35	2.24			8.364	14.195	3.808
				WT.AV	391.7	394.6	2.9	4.19	6.19	1.86	(63.7)		12.144	17.939	5.392
				WT.AV	390.4	394.6	4.2	3.5	5.22	1.58	(54.3)		14.679	21.917	6.653
		Quartz Sulphide	4.4/4.4		394.6	399.0									
		" " " "	1.2	2730	399.0	400.2	1.2	.65	1.00	.85			0.78	1.20	1.02
		" " " "	1.8	2735	400.2	402.0	1.8	.68	1.44	.59			1.244	2.592	1.062
		Fault-short sections of sericite phyllite plus gouge	0.6/0.8	WT.AV	399.0	402.0	3.0	0.67	1.26	0.69	(23.8)		2.004	3.792	2.082
					402.0	402.8									
		Massive sulphide. Banding at 50°. Mag 5, barite 20, Py 60 PbZn 12	1.2	2731	402.8	404.0	1.2	3.98	4.86	1.53	(52.5)		4.776	5.832	1.836
		Massive Sulphide. Poor banding at 45°. Mag 15, Barite 5 Py 70, PbZn 10	1.5	2732	(404.0-405.1)	404.0	1.1	1.88	1.92	.88			2.068	2.122	0.968
		Massive Sulphide Banding 30-70° Barite 40, Py 45, PbZn 15	1.1	2733	(405.1-405.5)	405.5	(0.4)	6.98	8.87	3.27			0.752	0.768	0.352
		" " " " " " " " 70°	1.5	2734	405.5	406.6	1.1	6.98	8.87	3.27			7.678	9.757	3.597
		" " " " " " " " 70°	1.5	2734	406.6	408.1	1.5	6.38	9.36	3.03			9.570	14.040	4.545
		Bleached sericite with veinlets of Po 20, and Cpy 0.5	2.5/2.5		408.1	410.6									
			or:	WT.AV	405.5	408.1	2.6	6.63	9.15	3.13	(107.5)		17.248	23.797	8.142
				WT.AV	405.1	408.1	3.0	6.00	8.19	2.83	(97.1)		18.000	24.565	8.494

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay x		
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag
410.6	421.8	QUARTZ-CHLORITE-BIOTITE-PHYLLITE	11.0/11.2	WT.AV	402.8	405.1	2.3	2.98	3.45	1.22	(41.8)		6.844	7.944	2.804
		Dark green colour. Streaks of dark brown biotite. Numerous irregular veinlets of Po (10%) and blebs of Cpy (0.1%) Contorted F ₁ cut by poorly developed F ₂ at 45-70°. Colour becomes lighter past 416.3			402.8	408.1	5.3	4.68	6.13	73					
421.8	424.7	SULPHIDE ZONE:													
		Quartz sulphide Py 5, Po 20, PbZn 2	1.1	2736	421.8	422.9	1.1	.45	.46	.32					
		Massive sulphide Py 60, Po 5, Mag 5, Barite 5, PbZn 3	0.7	2737	422.9	423.6	0.7	.65	.46	.53					
		Quartz sulphide Py 20, PbZn 3	1.1	2738	423.6	424.7	1.1	.55	.64	.32					
424.7	435.0	QUARTZ-CHLORITE-SERICITE-PHYLLITE	10.0/10.3		421.8	424.7	2.9	1.06	PBZN						
		Streaks and bands of Po (10%) and Cpy Blebs (TR). F ₂ =85° Pale grey colour.													
435.0	438.8	QUARTZ-SERICITE-GRAPHITE PHYLLITE	3.8/3.8												
		F ₂ good @ 85°. Numerous bands of Py with local wisps of Sphalerite. Py 50%, PbZn Tr.						1.5%	PbZn	EST.	@ 434.2-436.4				
438.8	440.4	BRECCIA OF QUARTZITE-SERICITE IN PO													
		ground mass. Po 60, PbZn 2	1.6	2739	438.8	440.4	1.6	1.55	1.38	0.68					

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Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay x		
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag
		75.6-78.3 Quartz-sericite phyllite; thinly banded, fissile F ₂ =80°	7.3/7.4		74.2	79.6									
		-79.6 Quartz-calcite-chlorite+fuchsite phyllite; incompetent poorly folliated. Changes to next unit abruptly at 85° to CA Minor sheare and gougy zones.													
79.6	148.6	QUARTZ-SERICITE+GRAPHITE-SULPHIDE PHYLLITE Med-dark grey. Hard, brittle silicified; well folliated and fissile, especially in the graphitic zones. F ₁ well preserved, often showing isoclinal folds with vertical axial planes and horizontal axes; these folliations are mineralised. F ₂ well developed in graphitic zones, causing good portings; but poorly to moderately developed in the sericitic zones, where it tends to be uneven. It is also mineralised. Considerable coreloss in parts due to brittleness of rocks expecially in graphitic zones. F ₂ generally 70-90° but averaging 80° Essentially low grade with short (10-15cm.) high grade section. Details below:													
		79.6-82.6 Py 15-20; PbZn 4-5; F ₂ 60-70° competent.	2.9	2948	79.6	82.6	3.0	1.98	4.02	.94			5.94	12.06	2.82
		-84.6 Very broken, rubbly; Py 5-10; PbZn 3-4?	0.6	2949		84.6	2.0	1.68	4.02	.80			3.36	8.04	1.60
		-86.6 As above, not as broken; minor graphite	1.4	2950		86.6	2.0	2.23	4.32	.97			4.46	8.64	1.94
		-89.6 As above	3.0	2951		89.6	3.0	2.03	4.20	1.03			6.09	12.60	3.09
		-92.6 Py 15-20; PbZn 5-6 F ₂ =70°	3.0	2952		92.6	3.0	2.70	5.64	1.35			8.10	16.92	4.05
		-95.6 As above	2.9	2953		95.6	3.0	2.45	4.80	1.24			7.35	14.40	3.72
		-98.6 As above, graphitic, very broken	2.9	2954		98.6	3.0	2.78	4.56	1.03			8.34	13.68	3.09
		-101.6 Very broken, minor graphite Py 10-15; pbZn 3	1.5	2955		101.6	3.0	2.85	4.92	1.27			8.55	14.76	3.81
		-103.6 Very broken minor graphite; As above PbZn 3-4	1.3	2956		103.6	2.0	3.60	6.38	1.53			7.20	12.76	3.06

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay x			
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag	
198.0	220.4	MIXED PHYLLITES WITH SULPHIDES														
		Rapidly alternating bands. Details below:	2.0/2.1													
		198.0-201.0 Quartz-graphite+sericite phyllite. F ₂ =80°	2.9/3.0		198.0	201.0										
		-203.1 Quartz-sericite phyllite, silicified. F ₂ =75-85° Py 1-2, PbZn trace.				203.1										
		-204.1 Quartz-sericite sulphide, silicified, broken, Py 10-12, PbZn 10-12?	1.0	2968		204.1	1.0	4.58	7.01	2.18						
		-205.7 Quartz-chlorite+calcite phyllite; green, competent with minor folds, horizontal axial planes.	1.6/1.6			205.7										
		-206.4 Quartz-sericite phyllite, competent, F ₂ =85°	0.7/0.7			206.4										
		-207.1 Quartz-chlorite+calcite phyllite, green, competent	0.7/0.7			207.1										
		-209.1 Quartz-sericite-graphite phyllite, black, competent, F ₂ =85°, Py 10-12, PbZn 2-3	2.0	2969	(207.1-208.1) 209.1	(1.0) 2.0		.38	1.05	.29						
		209.1-211.8 As above, Py 10-12, PbZn 8	2.6	2970	(208.1-209.1)	(1.0)		3.00	4.80	1.12			.38 8.10	1.05 12.96	.290 3.024	
		-213.4 Quartz-chlorite+calcite phyllite, green, competent	1.6/1.6			213.4										
		-214.7 Quartz-sericite sulphide+graphite; Py 10, PbZn 4 -6	0.6/0.7			214.7	8% PbZn/0.7 ^m			est.						
		-218.5 Quartz-sericite-graphite phyllite; F ₂ =80-90° trace sulphides; minor nongraphitic bands.	3.7/3.8			218.5										
		-220.4 Quartz=sericite+chlorite phyllite; competent, F ₂ =90°	1.8/1.9	WT.AV	208.1	211.8	3.7	2.29	3.79	0.9	(30.7)		8.48	14.01		

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay x			
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag	
		F ₁ rarely seen, F ₂ dominant, generally 65-75°. A third penetrative foliation visible at 336.5-367.2 generally sub parallel to F ₂ at 60° to C.A. Po and Py blebs throughout	10.5/10.6			384.0										
384.0	387.1	MIXED PHYLLITE														
		384.0-385.0 Broken bleached quartz-sericite phyllite	0.4/1.0			384.0	385.0									
		385.0-385.8 Broken quartz-sericite-graphite phyllite	0.6/0.6			385.0	385.8									
		-387.1 Competent bleached quartz-sericite phyllite. F ₂ =60-70°. Silicified, trace sulphides	1.3/1.3				387.1									
387.1	405.8	MASSIVE AND QUARTZ-SULPHIDE-BARYTES.														
		Interbanded sulphides, silicified generally broken and brittle. Very magnetic due to Po and magnetite bands. Overall low grade. Details below:														
		387.1-388.1 Massive sulphide, Py 60, Po 10, PbZn 4	1.0	2974		387.1	388.1	1.0	3.98	1.24						
		389.1 As above	1.0	2975			389.1	1.0	4.43	4.50	1.71					
		-390.1 As above, Py 50, Po 10, PbZn 4	0.8	2976			390.1	1.0	4.88	4.80	1.44					
		-391.1 Quartz sulphides, Py 30, Po 5, PbZn 3	0.9	2977			391.1	1.0	1.88	0.94	0.71		1.88	0.94	0.71	
		-393.1 As above	1.9	2978			393.1	2.0	.68	1.38	.29		1.36	2.76	0.58	
		-395.1 As above	1.8	2979			395.1	2.0	.43	.63	.32					
		-397.1 As above Py 20, Po 5, PbZn trace	1.9	2980			397.1	2.0	.88	.85	.50					
		-399.1 As above	1.8	2981			399.1	2.0	.80	1.36	.38		4.32	PZ		
		-402.1 As above	2.8	2982			402.1	3.0	.68	1.18	.53		5.50	"		

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay x			
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag	
		-207.2: Competent, F ₂ 70°.														
		205.6-207.2: Silicified; with BIOTITE.														
207.2	227.0	QUARTZ-SERICITE PHYLLITE: Light grey Well folliated, moderately fissile, competent. Minor chloritic bands.														
		207.2-208.6: Quartz-sericite phyllite F ₂ 60°; upper contact 80°	5.9 6.0		207.2	213.2										
		-209.4: Quartz veins minor quartz-sericite-chlorite bands.														
		-212.3: Quartz-sericite phyllite, F ₂ 70°														
		-212.7: Mixed white quartz - quartz sericite phyllite														
		-213.0: Quartz-chlorite phyllite; folded F ₂ erratic, partly silicified, competent														
		-214.2: Unfoliated quartz-sericite rock, silicified competent.														
		-214.4: White quartz and quartz-chlorite rock.														
		-216.2: Mixed white quartz quartz-sericite rock														
		-214.7: White quartz massive Po; trace PbZn.														
		221.4: Quartz-sericite phyllite, moderately fissile competent F ₂ 70-75°														
		-221.7: White quartz chlorite clots.														
		-223.5: Qtz - Ser Phyllite, F ₂ 80°, competent.														
		-223.6: White quartz														

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Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay x				
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag		
		-225.8: Quartz-sericite phyllite F ₂ 80°; competent appears to have a third foliation: white quartz at 225.8 (5 cm.)	<u>12.5</u> 12.6				225.8										
		225.8-226.3: Black gouge.	<u>0.3</u> 0.5			225.8	226.3										
		-227.0: Quartz-sericite phyllite, competent, F ₂ 80-90°	<u>0.7</u> 0.7	-----			227.0										
227.0	235.1	MINERALIZED QUARTZ-SERICITE±GRAPHITE PHYLLITES: Med. grey															
		227.0-227.2: Bleached quartz-sericite phyllite, Py 5, PbZn trace.															
		-227.7: Quartz-sericite phyllite, Py 15-20; PbZn 4-5 F ₂ 90°	0.7	2779	227.0	227.7	0.7	3.53	4.30	1.59			2.471	3.01	1.113		
		-228.6: As above, but Py 25, PbZn 8-10, F ₂ 90°	1.3	2780		229.0	1.3	6.41	11.84	3.18			8.333	15.392	4.134		
		-229.0: Massive+quartz sulphide: Py 10, PbZn 10-12; F ₂ 90°															
		-229.2: Quartz-sulphide phyllite: Py 10; PbZn 0.5-1															
		-229.5: Quartz-chlorite phyllite, F ₂ 85°, barren, broken.	<u>0.5</u> 0.5	-----	229.0	229.5	0.5	0.1	0.2	0.1			0.05	0.10	0.05		
		-231.0: Quartz-sericite±graphite; F ₂ 80°; Py 10; PbZn 2 broken.	1.5	2781	(229.5)~(230.0)	231.0	(0.5)	0.75	1.18	0.29			0.375	0.59	0.145		
		-231.2: Massive pyrrholite±quartz chlorite phyllite; PbZn trace.	<u>0.2</u> 0.2	-----		231.2	-----										
		-235.1: Interbanded quartz-chlorite and quartz-sericite sulphide phyllites; overall Py 5, PbZn 0.5-1 F ₂ 80-90°	<u>3.8</u> 3.9			235.1	-----	0.7	PZ.	EST.							

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay x			
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag	
		-317.6: Quartz-sericite phyllite, with quartz lenses; competent F ₂ 80°.	5.4 5.5			317.6										
317.6	355.7	MINERALISED QUARTZ-SERICITE±GRAPHITE-PHYLLITES:														
		317.6-318.6: Quartz-sericite-graphite-sulphide, overall Py 20; PbZn 8-10.	1.0	2782	317.6	318.6	1.0	5.42	6.50	2.65	3					
		317.6-318.0: Py 40 PbZn 12-14, Po 2; F ₂ 80°						1.8	2.2	30.						
		-318.15: Quartz-sericite phyllite, barren						4								
		-318.35: Py 6; PbZn 4-6.														
		-318.45: Quartz-sericite phyllite, barren														
		-318.6 : Py 40; PbZn 12-14, Po 2; F ₂ 85°.														
		-319.9: Quartz-sericite phyllite, F ₂ 80°; Py 2-3, PbZ trace.														
		-320.0: White quartz.														
		-320.3: Quartz-sericite phyllite, barren, F ₂ 80°.														
		-320.9: Quartz-sulphide; Py 6-8; Po 8; PbZn 2, silicified														
		-321.8: Quartz-sericite phyllite, competent, F ₂ 85°.														
		-321.9: Gouge and rock fragments	3.2 3.3	-----	318.6	321.9	-----	1.3	PbZn, Est.							
		322.1: Quartz-sulphide; Py 40-50; PbZn 8-10; silicified barites.														
		-322.6: Quartz-graphite phyllite; very broken-heavy coreless	0.5	2783	321.9	322.8	0.9	2.75	4.50	1.27			2.475	4.05	1.14	

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay x			
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag	
		✓ -347.3: Grey gouge: upper content 90°; lower contact 45°	0.4/1.1			347.3										
		-351.8: Quartz-sericite phyllite, altered, and partly bleached; minor py and po; very broken	7.6/7.8		347.3	355.1										
		-352.6: Bleached quartz-sericite phyllite, competent; F ₂ 75°														
		-352.7: Grey gouge														
		-353.3: Bleached quartz-sericite phyllite, broken; F ₂ 80°														
		✓ -355.1: Bleached quartz-sericite phyllite, competent numerous minor folds (F ₁); F ₂ 80°. White quartz vein between 354.7-355.0. Minor sulphides.														
		✓ -355.7; Bleached quartz-sericite-sulphide; F ₂ 75°	0.6	2791	355.1	355.7	0.6	.83	1.08	.47						
355.7	366.0	QUARTZ-BARYTES-SULPHIDES AND MASSIVE SULPHIDES.														
		Inter banded with gradational contacts. Essentially medium grade: Trace Chalcopyrite; Details below:														
		355.7-356.7: Quartz-barytes-sulphide; Py 30-35; PbZn 8 F ₂ 75°.	1.0	2792	355.7	356.7	1.0	5.18	8.75	2.50			5.18	8.75	2.50	
		✓ -357.4: Quartz-barytes-sulphide with massive sulphide Py 50; PbZn 10-11; F ₂ 80°	0.7	2793		357.4	0.7	4.43	7.87	2.15			3.101	5.509	1.505	

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay x		
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag
		-373.9: Quartz-sericite phyllite; competent, F ₂ 80°													
		-374.1: Quartz-calcite-biotite-sericite phyllite													
		-377.5: Quartz-sericite phyllite, F ₂ 80°													
		-377.7: As above but broken and gougy													
		-379.1: Quartz-sericite phyllite; altered													
		-381.3: Quartz-chlorite-sericite phyllite; altered+ silicified: F ₂ 85°													
		: Minor clacite zones in this unit. Minor sulphides, up to 1%. Grades into the next unit.													
381.3	394.7	QUARTZ-SERICITE SULPHIDES WITH MASSIVE SULPHIDES													
		Mixed variable competent, highly silicified; details:-----													
		381.3-383.3: Quartz-sericite-sulphide-graphite phyllite; F ₂ 80° Py 30°; PbZn 1-2	2.0	3002	381.3	383.3	2.0	.48	.52	.38			.96	1.04	.76
		-385.3: As above; Py 35; PbZn 2-3 F ₂ 60°	2.0	3003		385.3	2.0	.20	.18	.35			.40	.36	.70
		-386.9: As above; Py 30; PbZn 3; Po 5 F ₂ 60°	1.6	3004	385.3	386.9	1.6	.65	.77	.83					
		-388.2: As above with massive sulphide; Py 40; PbZn 8? Po 10	1.3	3005		388.2	1.3	6.96	9.44	2.88			9.048	12.27	3.744
		-390.2: Quartz-sericite-sulphide-graphite; F ₂ 60-70° Py 30; PbZn 6;	2.0	3006	(388.2-389.9)	390.2	(1.7) 2.0	1.15	1.70	.62			1.955	2.89	1.054
		-392.6: As above Py 30, PbZn 6-8; Po 10	2.4	3007		392.6	2.4	.38	.62	.41					

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay x			
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag	
		-82.3 Banded quartz-chlorite phyllite, F ₂ =75°														
		-84.9 Thinly folliated quartz-chlorite phyllite, partly silicified; small recumbent fold between 84.65-84.8														
		-85.3 As above, but very broken														
		-87.4 Quartz-chlorite phyllite, F ₂ =75°; minor sulphides.														
		-87.6 White quartz.														
		-89.4 Quartz-chlorite-sericite phyllite; F ₂ =60°														
89.4	148.9	QUARTZ-SULPHIDES														
		89.4-90.5 Quartz sulphide; Py5; PbZn 4; silicified. F ₂ =60°	1.0	2983	89.4	90.5	1.1	1.88	2.94	.68						
		-93.5 Green quartz-chlorite phyllite, silicified; barren.	3.0/3.0		93.5											
		-96.5 Quartz-sulphide; Py 5; PbZn 4-5; Silicified, F ₂ =65°. Broken 94.9-95.2 minor graphitic zones	2.8	2984		96.5	3.0	1.70	2.88	.77						
		96.5-99.5 Quartz-sericite-sulphide-graphite phyllite, F ₂ =85°, Py 10, PbZn 4.	2.8	2985	96.5	99.5	3.0	1.78	4.50	1.18						
		-102.5 As above, broken.	2.7	2986		102.5	3.0	2.08	5.34	1.27						
		-105.5 As above, very broken	0.6	2987		105.5	3.0	1.68	2.88	.74						
		-108.5 Quartz-sericite phyllite, F ₂ , Py 10, PbZn 2-4 F ₂ =90°	3.0	2988		108.5	3.0	1.20	3.30	.77						
		-111.5 As above; PbZn 2	3.0	2989		111.5	3.0	1.38	3.66	.74						
		-114.5 As above; PbZn 1-2	3.0	2990		114.5	3.0	1.68	4.20	1.12			5.04	12.60		
		-117.5 As above; PbZn 1-2	3.0	2991		117.5	3.0	1.78	4.02	1.03			5.34	12.06		
		-120.5 As above;	2.9	2992		120.5	3.0	1.58	3.96	.85			4.74	11.88		
		-123.7 As above; PbZn 2-3	3.0	2993	123	123.7	3.2	2.15	4.86	1.12			6.88	15.552		
		-125.2 Green quartz-chlorite phyllite, competent, F ₂ 90°	1.5/1.5			125.2										
		-136.2 VERY BROKEN-POSSIBLY MINOR FAULT ZONE	4.5/7.0		125.2	127.9										
						136.2										

7% PbZn/2.7m EST.

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay x		
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag
		125.2-127.9 Quartz sericite sulphide. Py 5; PbZn 1			128.9	132.0 134.1 136.2		3% PbZn/3.1 1.5% "/2.1 0.5% "/2.1	EST. EST. EST.						
		-128.9 Green quartz-chlorite phyllite.		WT.AV	96.5	102.5	6.0	1.93	4.92	1.23	(42.0g/mt)	11.58	29.52		
		-132.9 Quartz-sericite phyllite, as above,		WT.AV	102.5	111.5	9.0	1.42	3.28	0.75	(25.7)	12.78	29.52		
		-134.1 Quartz-sericite graphite-gougy.		WT.AV	111.5	123.7	12.2	1.80	4.27	1.03	(35.4)	22.00	52.092		
		136.2-148.9 Quartz-sericite sulphide+graphite phyllite;	4.6/4.8		136.2	141.0		1.5% Pb/6.8m 8 PZ/2.4m	(136.2-143m) (143-145.4m)	EST EST					
		Py 5-10; PbZn 1-2; occasional rich bands up to	7.4/7.9			148.9		5 PZ/2.3m 3 PZ/1.3m	(145.4-147.7m) (147.7-149m)	EST EST.					
		1cm long. Brecciated from 139.9-140.5													
148.9	155.2	MINOR FAULT ZONE	5.6/6.3		148.9	155.2									
		Broken and gougy zone:													
		148.9-150.1 Broken rock and gouge.													
		-150.3 Quartz-sericite phyllite; Py 5, PbZn 1													
		-155.2 Broken quartz-sericite phyllite barren with minor gouge.													
155.2	162.5	QUARTZ SERICITE PHYLLITE LIGHT GREY													
		Thinly folliated and well folliated, fissile but generally competent. F ₁ rarely seen, F ₂ well developed, 60-70°. Minor quartz veins. Lower contact gouge zone at 162.3-162.5	6.9/7.0		155.2	162.5									
162.5	165.8	QUARTZ-SERICITE-SULPHIDE PHYLLITE													
		Competent, well folliated; F ₂ =80°; Py 10; Po 10-15; and PbZn 6?	3.3	2994	162.5	165.8	3.3	1.28	3.54	.68					

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay x				
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag		
162.5	235.9	QUARTZ-SERICITE PHYLLITE MEDIUM GREY															
		Well folliated, thinly bedded, fissile but generally competent; minor calcareous bands; F ₂ =65-75°. Minor quartz veins at 166.1-166.3 and 171.9-172.1. Rare sulphide bands especially at 171.5 (1cm); Py disseminated throughout.															
		156.9-157.2 Broken															
		196.7-196.9 White quartz															
		204.9-205.4 Very broken, rubbly	7.5/8.6				206.3										
		206.3-209.4 Minor fault zone; broken rock and gouge	1.7/3.1				209.4										
		206.3-208.6 Quartz-chlorite phyllite															
		-209.4 Quartz-sericite phyllite															
		219.2-220 Very broken															
		222.6-223.7 Broken with minor gouge zones	12.2/13.3				223.7										
		228.1-230.8 Broken quartz sericite phyllite, F ₂ =70°	8.1/10.0			223.7	233.7										
		-233.7 Gouge with broken rock; FAULT ZONE ²															
		-235.9 Relatively unbroken quartz-sericite phyllite, F ₂ =70°	2.1/2.2				235.9										
235.9	246.0	QUARTZ-SERICITE-SULPHIDE PHYLLITE WITH MASSIVE SULPHIDE.															
		235.9-237.2 Mixed massive sulphide and quartz sericite sulphide, F ₂ =80°; Ph 30-40; PbZn 12-14.	1.3	2995	235.9	237.2	1.3	5.61	9.78	2.50			7.293	12.714	3.250		
		-240.7 Quartz sericite sulphide; Py 10; PbZn 4	3.4	2996	(237.2-238.9)	240.7	(1.7)	.88	1.06	.41			(1.496)	1.802	0.697		
		-242.6 Py 10; PbZn 6	1.9	2997	(238.9-240.7)	242.6	(1.8)	2.63	3.54	1.38			3.08	3.71	1.435		
		-244.4 Mixed rock; Py 20; PbZn 10; Details below:	1.8	2998		244.4	1.8	3.08	6.88	1.73			4.997	6.726	2.622		
		242.6-243.3 Quartz-sulphide; contact with below 90°		WT.AV	235.9	238.9	3.0	2.93	4.84	1.32	(45.1)		8.789	14.516	3.974		
		-243.4 Quartz chlorite barren, contact with below 30°		WT.AV	240.7	244.4	3.7	2.85	5.16	1.55	(53.2)		10.541	19.110	5.736		
		-243.5 Quartz sulphide; contact with below 30°			235.9	240.7	4.8	2.16	3.42	.976	(33.4)						

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay x			
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag	
		-244.0 Quartz chlorite phyllite, contact with below 80°														
		-244.4 Quartz sulphide.														
		244.4 244.4-245.4 Quartz chlorite phyllite, barren	1.0/1.0		244.4	245.4										
		-246.0 Quartz sulphide; Py 30, PbZn 8-10, F ₂ =80° upper contact at 45°, but crosscutting F ₂	0.6	2999		246.0	0.6	2.30	6.84	1.41						
246.0	248.2	QUARTZ-CHLORITE-SERICITE-CALCITE PHYLLITE. LIGHT GREY Poorly folliated, poorly fissile, very competent. F ₂ =80°	2.2/2.2		246.0	248.2										
248.2	257.3	FAULT ZONE 248.2-248.5 Broken quartz sericite phyllite -249.6 Black gouge -250.5 Broken quartz-graphite phyllite -250.8 Grey quartz-sericite phyllite. -253.0 Black gouge and graphitic phyllite -254.4 Gouge and broken sericitic phyllite -254.6 Quartz-sericite sulphide; Py 60 -257.3 Black gouge with rock fragments	5.9/9.1		248.2	257.3										
257.3	299.8	QUARTZ+CHLORITE+SERICITE+CALCITE PHYLLITE LIGHT GREY Well bedded and folliated, competent phyllite. Details:	13.6/13.6		257.3	270.9										
		580 257.3-260.4 Quartz sericite phyllite, F ₂ =80°, slightly calcareous														
		500 -267.1 Quartz-calcite-chlorite phyllite; F ₂ =75°	28.8/28.9			299.8										
		5880 -271.4 Quartz-calcite-sericite-chlorite phyllite, F ₂ =90°.														
		580± -280.6 Quartz-sericite phyllite, F ₂ =80°, occasionally calcareous														

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Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay x			
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag	
		-327.5 Quartz-chlorite-sericite phyllite, competent, F ₂ =75°														
327.5	334.6	QUARTZ+SERICITE SULPHIDE PHYLLITE														
		327.5-329.5 Quartz-sericite sulphide; Py 30; PbZn 10; F ₂ 80°	2.0	3000	327.5	329.5	2.0	4.73	6.29	2.24			9.46	12.58	4.48	
		-331.2 As above	2.5	2741	(329.5-330.5)	(1.0)							3.68	4.56	1.65	
		-332.0 Quartz-sericite graphite phyllite, F ₂ =70°, barren		WT.AV	(330.5-332.4)								10.67	13.22	4.78	
		332.0-332.4 Quartz-sericite sulphide phyllite, Py 30; PbZn 6-8			327.5	332.4	4.9	4.10	5.26	65			13.14	17.14	6.13	
		-333.7 Quartz-sericite phyllite, F ₂ =60°; minor gouge at 333.7	1.6/1.8		332.4	334.2										
		-334.2 Quartz-chlorite sericite phyllite, silicified														
		-334.6 Quartz-sulphide, gradational from above, Py 10, Po 2?, PbZn 4.	0.4	2742		334.6	0.4	1.10	2.16	.59						
334.6	348.4	MASSIVE SULPHIDE WITH BARYTES														
		334.6-336.6 Py 60; PbZn 10-12? vuggy, coarse, F ₂ =60°	1.8	2743	334.6	336.6	2.0	7.13	10.56	3.68			14.260	21.12	7.360	
		-337.7 As above	1.1	2744		337.7	1.1	8.78	18.74	4.26			9.658	20.16	4.686	
		-339.7 Baryte-sulphide; Py 40; PbZn 8?	2.0	2745		339.7	2.0	7.65	14.28	2.88			15.300	28560	5.760	
		-341.5 AS above	1.8	2746		341.5	1.8	7.20	15.57	2.82			12.960	28.026	5.076	
		-343.5 Massive sulphide and barren quartz sericite phyllite with minor folds-interbedded. Py 25, PbZn 4-5	1.7	2747		343.2	1.7	6.78	15.11	2.88			11.526	25.687	4.896	
		-345.2 Barytes-sulphide-quartz; Py 25-30, PbZn 6?	2.0	2748		345.2	2.0	4.73	9.36	2.18			9.460	18.720	4.360	
		-347.2 Interbedded barytes-sulphide quartz and massive sulphide; Py 40-50; PbZn 8-10?	2.0	2749		347.2	2.0	5.85	11.12	2.56			11.700	22.24	5.120	
		-348.4 Massive sulphide; Py 60; PbZn 10; Ba 20; F ₂ =70°	1.2	2750		348.4	1.2	5.40	8.39	3.00			6.480	10.068	3.600	

Interval		DESCRIPTION	Recovery	Sample No	Interval		Sample Length	Assay					Assay x			
From	To				From	To		Pb	Zn	Ag	Au	Cu	Pb	Zn	Ag	
391.3	394.2	QUARTZ-GRAPHITE-SERICITE PHYLLITE DARK GREY-BLACK	3.8/3.9		391.3	394.2										
		Competent well folliated; $F_2=80^\circ$. Minor variations														
		391.3-392.5 Competent but fissile														
		-392.7 Gouge														
		-392.9 Competent graphitic phyllite, lower contact at 60°														
		-393.1 Quartz-fuchsite-sericite, lower contact at 90°														
		-393.2 Quartz graphite phyllite														
		-393.4 Silicified quartz-chlorite phyllite														
		-394.2 Sheared quartz-graphite phyllite														
394.2	402.5	BLEACHED MINERALISED PHYLLITES														
		394.2-395.3 Bleached quartz sericite phyllite, with band of PbZn 1cm thick	7.4/7.5		394.2	401.7										
		-395.35 Massive sulphide; Py 60-70; PbZn 3-4														
		-397.9 Bleached quartz-sericite phyllite, po 5, Py 5														
		-400.6 Bleached quartz-chlorite sericite phyllite with bands of Po up to 2cm; Po 10-15; PbZn trace														
		-401.8 Sheared, fractured quartz-sericite phyllite, recemented by quartz.														
		-402.1 Massive sulphide with phyllite; PbZn 3-4; Po 40	0.8	2751	401.7	402.5	0.8	4.80	5.76	1.68			3.840	4.608	1.344	
		-402.5 Recemented phyllite breccia, competent, Po 5, PbZn 2-3, Py 5; Contact below 40°														
402.5	421.1	QUARTZ SULPHIDES AND MASSIVE SULPHIDES WITH BARYTES														
		402.5-403.4 Massive sulphide, Py 60-70; PbZn 10-12; $F_2=60^\circ$	0.9	2752	402.5	403.4	0.9	5.33	5.16	2.06			4.797	4.644	1.854	
		-403.7 Mixed sulphide and gouge. Heavy coreloss, Py 60; PbZn 3-4?	0.2	2753		403.7	0.3	.25	.40	.24			0.75	.120	.072	
		403.7-404.7 Massive sulphide: Py 60-70; PbZn 8-10	1.0	2754	403.7	404.7	1.0	4.43	4.14	2.21			4.43	4.14	2.21	
		-406.0 " " " " Py 60, PbZn 12	1.3	2755		406.0	1.3	6.38	9.34	3.12			8.294	12.142	4.056	

