



**ALLEGIANCE MINING NL MELBA FLATS PROJECT DRILL HOLE MF 71**

Project	Hole ID	Log		Description	Recovery			Assays									
		From	To		From	To	%	From	To	% Ni	% Cu	% S	Ag	% Pb	% Zn		
Melba	MF 71	0.0	7.8	<b>GABBRO:</b>	0.0	1.0	20										
Melba	MF 71			severely weathered coarse grained gabbro;	1.0	2.7	60										
Melba	MF 71			first metre iron rich pseudo-gossan;	2.7	4.0	55										
Melba	MF 71			upper six metres weathered to clay and disaggregating gabbro;	4.0	5.0	30										
Melba	MF 71			not strongly limonitic and therefore probably not sulfidic;	5.0	6.0	80										
Melba	MF 71			6.0-7.8m: still strongly weathered but more coherent with minor	6.0	7.6	55										
Melba	MF 71			limonite staining;													
Melba	MF 71			some core loss;													
Melba	MF 71			contact with sediments below very broken and rubbly;													
Melba	MF 71	7.8	23.6	<b>SEDIMENTS:</b>	7.6	8.8	90										
Melba	MF 71			interbedded weathered gray and hematitic lithic sediments;	8.8	18.3	100										
Melba	MF 71			7.8-11.5m: light gray, medium grained siltstone-sandstone;	18.3	20.0	60										
Melba	MF 71			BCA 70°;	20.0	21.5	65										
Melba	MF 71			strongly weathered, core very broken;	21.5	22.7	80										
Melba	MF 71			11.5-18.3m: reddish-brown hematitic finer grained mudstone-	22.7	23.9	40										
Melba	MF 71			siltstone;													
Melba	MF 71			BCA 60-70°;													
Melba	MF 71			core still weathered and broken, rubbly in places;													
Melba	MF 71			18.3-23.6m: light orange-brown siltstone-mudstone;													
Melba	MF 71			BCA 70°;													
Melba	MF 71			soft and broken;													
Melba	MF 71			significant core losses on contact with gabbro below;													
Melba	MF 71	23.6	33.5	<b>WEATHERED GABBRO:</b>	23.9	25.0	50	23.6	25.0	0.08	0.03	<0.02					
Melba	MF 71			severely altered and weathered medium-coarse grained gabbro;	25.0	26.6	75	25.0	26.5	0.12	0.04	<0.02					
Melba	MF 71			strongly limonitic-difficult to say if limonite after sulfides or	26.6	28.0	65	26.5	28.0	0.09	0.01	<0.02					
Melba	MF 71			weathering of ferromagnesium minerals;	28.0	29.5	70	28.0	30.0	0.04	0.02	<0.02					
Melba	MF 71			core very soft and broken;	29.5	30.8	70	30.0	31.3	0.03	0.01	0.92					
Melba	MF 71			major core losses on FW;	30.8	31.9	85	31.3	35.1	0.06	0.02	<0.02					
Melba	MF 71	33.5	54.0	<b>INTERBEDDED GRAY and HEMATITIC SEDIMENTS:</b>	31.9	33.1	60										
Melba	MF 71			interbedded light and dark gray medium-coarse grained	33.1	33.5	10										
Melba	MF 71			sediments with reddish-brown hematitic fine grained sediments;	33.5	34.0	20										
Melba	MF 71			sediments with reddish-brown hematitic fine grained sediments;	34.0	34.7	70										
Melba	MF 71			core becoming fresh but still quite broken to 48m with some	34.7	36.1	90										
Melba	MF 71			rubbly sections;	36.1	41.2	100										
Melba	MF 71			33.5-44.7m: light-dark gray medium-coarse grained siltstone-	41.2	43.0	85										
Melba	MF 71			sandstone with narrow dark gray shale beds;	43.0	54.0	100										
Melba	MF 71			BCA 70-80°;													
Melba	MF 71			core broken, rubbly in places;													
Melba	MF 71			44.7-54.0m: hematitic fine grained sediments interbedded with													
Melba	MF 71			light gray fine-medium grained sediments;													
Melba	MF 71			BCA 60-70°;													
Melba	MF 71			grades into.....													
Melba	MF 71	54.0	82.0	<b>HEMATITIC SEDIMENTS:</b>	54.0	82.0	100										
Melba	MF 71			reddish-brown fine-medium grained hematitic sediments;													
Melba	MF 71			BCA 60-70°, occasionally lower;													
Melba	MF 71			minor carbonate veining;													
Melba	MF 71			ground conditions very good;													
Melba	MF 71			grades into.....													
Melba	MF 71	82.0	86.0	<b>GRAY SEDIMENTS:</b>	82.0	86.0	100										
Melba	MF 71			light gray fine-medium grained sediments;													
Melba	MF 71			massive with no distinct bedding;													
Melba	MF 71	86.0	89.4	<b>GABBRO:</b>	86.0	89.4	100										
Melba	MF 71			dark gray medium-coarse grained gabbro;													
Melba	MF 71			extensive carbonate-talc alteration of gabbro and minor fine													
Melba	MF 71			carbonate veining;													
Melba	MF 71			rare-trace disseminated sulfides;													
Melba	MF 71			upper and lower contacts indistinct, and possible fine grained													
Melba	MF 71			chilled margins;													
Melba	MF 71			ground conditions good;													
Melba	MF 71	89.4	108.4	<b>HEMATITIC SEDIMENTS:</b>	89.4	108.4	100										
Melba	MF 71			massive reddish-brown hematitic fine-medium grained siltstone-													
Melba	MF 71			sandstone, grading into light gray medium-coarse grained													
Melba	MF 71			siltstone-sandstone below 103m;													
Melba	MF 71			ground conditions moderately good, few broken zones;													
Melba	MF 71			BCA not obvious;													
Melba	MF 71	108.4	110.1	<b>GABBRO:</b>	108.4	110.1	100										
Melba	MF 71			dark gray medium-coarse grained gabbro;													
Melba	MF 71			strong pervasive talc-carbonate alteration;													
Melba	MF 71			no sulfides observed;													
Melba	MF 71			upper contact sharp but broken;													
Melba	MF 71			lower contact marked by 100mm quartz vein and rubbly;													
Melba	MF 71	110.1	134.5	<b>GRAY SEDIMENTS:</b>	110.1	134.5	100										
Melba	MF 71			light gray fine-medium grained mudstone-siltstone with minor													
Melba	MF 71			dark gray shaley beds;													
Melba	MF 71			111.0m: quartz-carbonate-galena veining with gabbro clasts at													
Melba	MF 71			111.1m;													
Melba	MF 71			(note: 110.1-111.1m; looks like tube was emptied back to front)													
Melba	MF 71			114.1-114.5m: coarse grained altered gabbro with shallow HW													
Melba	MF 71			and steep FW contacts;													
Melba	MF 71			BCA variable but generally 30-45°; (ie) steeply dipping sediments													
Melba	MF 71			ground conditions moderately good; few broken zones;				134.5	136.0	0.03	0.01	<0.02					
Melba	MF 71							136.0	137.0	0.07	0.04	<0.02					
Melba	MF 71	134.5	140.0	<b>GABBRO:</b>	134.5	140.0	100	137.0	138.0	0.12	0.08	0.02					
Melba	MF 71			dark gray medium-coarse grained gabbro with pervasive talc-				138.0	139.0	0.13	0.07	<0.02					
Melba	MF 71			carbonate alteration;				139.0	140.0	0.17	0.10	<0.02					

