



**ALLEGIANCE MINING NL MELBA FLATS PROJECT DRILL HOLE MF 70**

Project	Hole ID	Log		Description	Recovery			Assays										
		From	To		From	To	%	From	To	% Ni	% Cu	% S	Ag	% Pb	% Zn			
Melba	MF 70	0.0	2.0	<b>SOIL and CLAY:</b>	0.0	1.0	20											
Melba	MF 70				1.0	2.0	20											
Melba	MF 70	2.0	23.8	<b>INTERBEDDED FINE and COARSE SEDIMENTS:</b>	2.0	3.0	20											
Melba	MF 70			light gray siltstone and mudstone interbedded with light gray	3.0	4.0	20											
Melba	MF 70			gritty sandstone;	4.0	5.0	20											
Melba	MF 70			BCA 70°;	5.0	6.0	30											
Melba	MF 70			several vuggy water worn sections;	6.0	7.0	50											
Melba	MF 70			core very broken, soft and weathered with significant core loss;	7.0	8.5	65											
Melba	MF 70			sharp conformable contact with unit below;	8.5	10.0	60											
Melba	MF 70				10.0	11.0	50											
Melba	MF 70	23.8	30.1	<b>HEMATITIC SEDIMENTS:</b>	11.0	12.0	30											
Melba	MF 70			reddish-brown interbedded hematitic siltstone-mudstone and	12.0	13.0	70											
Melba	MF 70			sandstone;	13.0	14.5	80											
Melba	MF 70			BCA 70°;	14.5	16.0	60											
Melba	MF 70			core moderately competent with some rubbly sections;	16.0	19.0	100											
Melba	MF 70			sharp contact with unit below;	19.0	20.5	65											
Melba	MF 70				20.5	22.0	90											
Melba	MF 70	30.1	33.8	<b>BROKEN SILTSTONE:</b>	22.0	23.2	90											
Melba	MF 70			light gray fine grained siltstone-mudstone;	23.2	28.9	100											
Melba	MF 70			very broken and rubbly core;	28.9	30.8	90											
Melba	MF 70			sharp but broken contact with unit below;	30.8	32.1	70											
Melba	MF 70				32.1	32.8	100	33.8	34.6	0.02	0.01							
Melba	MF 70	33.8	46.3	<b>GABBRO:</b>	32.8	33.7	60	34.6	35.6	0.02	0.01							
Melba	MF 70			dark gray, medium-coarse grained gabbro, strongly altered, and	33.7	34.9	50	35.6	36.6	0.02	<0.01							
Melba	MF 70			partially weathered;	34.9	36.0	95	36.6	37.6	0.02	0.01							
Melba	MF 70			39.6-44.5m: sulfidic zone with pentlandite associated with strong	36.0	43.0	100	37.6	38.6	0.03	0.01							
Melba	MF 70			carbonate and serpentine alteration zones as fine disseminations	43.0	44.5	90	38.6	39.6	0.04	0.01							
Melba	MF 70			and in thin late stage carbonate veins;	44.5	46.3	100	39.6	40.6	0.28	0.17							
Melba	MF 70			gabbro above and below this interval carries only trace-minor				40.6	41.6	0.23	0.17							
Melba	MF 70			disseminated sulfides;				41.6	42.6	0.34	0.24							
Melba	MF 70			upper contact broken;				42.6	43.6	0.82	0.75							
Melba	MF 70			lower contact sharp and conformable 45-50° CA;				43.6	44.5	0.66	0.92							
Melba	MF 70			core moderately competent but several broken zones;				45.5	45.5	0.05	0.03							
Melba	MF 70			some core losses;				45.5	46.3	0.04	0.02							
Melba	MF 70																	
Melba	MF 70	46.3	66.5	<b>INTERBEDDED SHALE and SANDSTONE:</b>	46.3	48.5	100											
Melba	MF 70			light gray siltstone interbedded with dark gray shales;	48.5	49.8	60											
Melba	MF 70			bedding erratic with soft sediment slumping but BCA	49.8	50.2	90											
Melba	MF 70			generally 40-45°;	50.2	52.0	30											
Melba	MF 70			core moderately broken;	52.0	54.2	70											
Melba	MF 70				54.2	55.0	90											
Melba	MF 70	66.5	80.2	<b>HEMATITIC SEDIMENTS:</b>	55.0	56.3	100											
Melba	MF 70			reddish brown hematitic siltstone-sandstone with minor	56.3	57.7	60											
Melba	MF 70			interbedded light gray siltstone near base;	57.7	61.0	100											
Melba	MF 70			BCA 70-80°;	61.0	61.5	90											
Melba	MF 70			ground conditions generally good;	61.5	64.0	90											
Melba	MF 70			broken but conformable upper contact;	64.0	80.2	100	80.2	81.2	0.01	<0.01							
Melba	MF 70			sharp conformable lower contact 60° CA;				81.2	82.2	0.02	0.01							
Melba	MF 70							82.2	83.2	0.02	0.01							
Melba	MF 70	80.2	99.7	<b>ALTERED GABBRO:</b>	80.2	99.7	100	83.2	84.2	0.01	<0.01							
Melba	MF 70			medium-dark gray, medium-coarse grained gabbro, altered and				84.2	85.2	0.01	<0.01							
Melba	MF 70			with chilled margins ? (or fine grained hornfelsed sediments ?);				85.2	86.2	0.02	<0.01							
Melba	MF 70			80.2-89.2m: monotonous altered gabbro; trace-minor				86.2	87.2	0.02	<0.01							
Melba	MF 70			disseminated sulfides;				87.2	88.2	0.01	<0.01							
Melba	MF 70			ground conditions very good;				88.2	89.2	0.02	<0.01							
Melba	MF 70			89.2-93.2m: gabbro more altered (darker) with serpentinised				89.2	90.2	0.03	<0.01							
Melba	MF 70			patches and cut by numerous 1-2mm carbonate-talc veins;				90.2	91.2	0.04	0.01							
Melba	MF 70			minor-common pentlandite and chalcopyrite associated with				91.2	92.2	0.08	0.04							
Melba	MF 70			these veins either as streaks within veins or as coarse				92.2	93.2	0.12	0.08							
Melba	MF 70			disseminations and clots adjacent to the veins;				93.2	94.2	0.08	0.05							
Melba	MF 70			sphalerite in several more major carbonate-talc veins;				94.2	95.2	0.22	0.16							
Melba	MF 70			93.2-99.7m: as for 80.2m.....				95.2	96.2	0.16	0.12							
Melba	MF 70			sharp FW contact 40° CA;				96.2	97.2	0.03	0.01							
Melba	MF 70							97.2	98.2	0.03	0.01							
Melba	MF 70	99.7	125.8	<b>SEDIMENTS:</b>	99.7	125.8	100	98.2	99.7	0.03	0.01							
Melba	MF 70			interbedded dark and light gray sandstone and siltstone with														
Melba	MF 70			minor shaley beds;														
Melba	MF 70			BCA 70°;														
Melba	MF 70			110.0-117.4m: sediments bleached and altered to light pink-														
Melba	MF 70			brown color and cut by common creamy carbonate veins up to														
Melba	MF 70			100mm., often carrying coarse sphalerite and galena;														
Melba	MF 70			ground conditions very good;				125.8	127.0	0.02	0.01							
Melba	MF 70			sharp but irregular contact with gabbro below 40-45° CA;				127.0	128.0	0.02	0.01							
Melba	MF 70							128.0	129.0	0.02	0.01							
Melba	MF 70	125.8	141.5	<b>GABBRO:</b>	125.8	141.5	100	129.0	130.0	0.02	0.01							
Melba	MF 70			dark gray fine-medium grained gabbro;				130.0	131.0	0.02	<0.01							
Melba	MF 70			finer grained narrow chilled margins;				131.0	132.0	0.01	<0.01							
Melba	MF 70			alteration moderate-strong with formation of pervasive talc-				132.0	133.0	0.01	<0.01							
Melba	MF 70			carbonate and darker serpentinite patches;				133.0	134.0	0.02	<0.01							
Melba	MF 70			trace-minor disseminated sulfides, generally associated with				134.0	135.0	0.04	0.01							
Melba	MF 70			areas of darker serpentinite-talc-carbonate;				135.0	136.0	0.03	0.01							
Melba	MF 70			ground conditions good;				136.0	137.0	0.03	0.01							
Melba	MF 70			undulating upper contact, sharp lower contact 45° CA;				137.0	138.0	0.02	<0.01							
Melba	MF 70							138.0	139.0	0.03	<0.01							
Melba	MF 70	141.5	196.7	<b>SEDIMENTS:</b>	141.5	196.7	100	139.0	140.0	0.03	0.01							
Melba	MF 70			dark gray, monotonous fine-medium grained siltstone and				140.0	141.5	0.02	0.01							
Melba	MF 70			sandstone;														
Melba	MF 70			BCA 70-80°;														
Melba	MF 70			154.7m: 400mm altered gabbro body;														
Melba	MF 70			minor wide spaced quartz-carbonate veins with minor sulfide;														
Melba	MF 70			182.0m: 400mm altered gabbro dike;														

