



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

Project	Hole ID	Log		Description	Recovery				Assays											
		From	To		From	To	%	From	To	% Ni	% Cu	Pb	% Pb	% Zn	Au pt	Pt pp	Pd pp	% S		
MELBA	MF75	0	3	Small pale brown clay zone. Abundant limonite.	0	3	3	1	33.33											
MELBA	MF75	3	3.6	Fine grained pale green siltstone. Core is extremely broken. Minor pug present. Core leached	3	4	1	0.9	90											
MELBA	MF75	3.6	5.9	<b>Pale green medium grained Gabbro.</b>	5	6	1	1	100	3.6	4.9	0.02	0.012		n/a	n/a	n/a	n/a	n/a	0.07
MELBA	MF75			Weathered with minor puggy zones. Trace sulphides Py present. Irregular lower contact at 45 degrees. Minor small shears present. Core leached	6	7	1	0.9	90	4.9	5.9	0.033	0.015		n/a	n/a	n/a	n/a	n/a	0.04
MELBA	MF75	5.9	7.3	<b>Fine grained pale green siltstone/sandstone.</b>	8	9	1	1	100											
MELBA	MF75			Minor large pyrite cubes present. Beds tend to be disrupted and folded. Small puggy broken lower contact. Core fairly broken.	9	10	1	1	100											
MELBA	MF75	7.3	11.2	<b>Pale green medium grained Gabbro.</b>	10	11.5	1.5	1.5	100	7.3	8.2	0.044	0.013		n/a	n/a	n/a	n/a	n/a	<0.02
MELBA	MF75			Weathered and abundant broken zones. Minor disseminated sulphides. Irregular lower contact at 10 degrees. Minor small shears present. Core slightly leached.	11.5	13	1.5	1.6	106.7	8.2	9.2	0.046	0.016		n/a	n/a	n/a	n/a	n/a	<0.02
MELBA	MF75				13	14.5	1.5	1.5	100	9.2	10.2	0.036	0.018		n/a	n/a	n/a	n/a	n/a	0.11
MELBA	MF75	11.2	21.4	<b>Fine to medium grained pale green siltstone/sandstone.</b>	14.5	16	1.5	1.5	100	10.2	11.2	0.041	0.018		n/a	n/a	n/a	n/a	n/a	<0.02
MELBA	MF75			with weakly hematite altered beds. Beds tend to be disrupted. Small puggy broken lower contact. Very low angle 10 degree contact with gabbro. From 20.2m to 21.4m core tends to be leached with minor carbonate veinlets. Trace pyrite present.	16	17.5	1.5	1.5	100											
MELBA	MF75	21.4	29.9	<b>Pale green medium grained Gabbro.</b>	17.5	19	1.5	1.5	100	21.4	22.7	0.08	0.024		n/a	n/a	n/a	n/a	n/a	<0.02
MELBA	MF75			Abundant barren carbonate veinlets present. Trace sulphides present. Core tends to be leached and bleached. Minor green alteration present, similar to zaraitite. Lower contact is slightly brecciated and irregular. Low contact is at 10 degrees (low angle). Minor chlorite and sericite alteration?.	19	20.8	1.8	1.8	100	22.7	24.0	0.085	0.018		n/a	n/a	n/a	n/a	n/a	<0.02
MELBA	MF75	29.9	34.5	<b>Fine to medium grained sandstone with silty tops.</b>	20.8	22	1.2	1.2	100	24.0	25.0	0.036	0.009		n/a	n/a	n/a	n/a	n/a	<0.02
MELBA	MF75			Slightly hematite altered sediment with minor carbonate veinlets present. Thinly to thickly laminated disrupted sandstone/siltstone beds. CBA at 35.5m is 14. Irregular lower contact at 30 degrees.	22	24.2	2.2	2.2	100	25.0	26.0	0.02	0.012		n/a	n/a	n/a	n/a	n/a	<0.02
MELBA	MF75	34.5	39.8	<b>Fine to medium grained pale green siltstone/sandstone.</b>	24.2	26.1	1.9	1.9	100	26.0	27.0	0.015	0.01		n/a	n/a	n/a	n/a	n/a	<0.02
MELBA	MF75			Minor carbonate veinlets. Beds tend to be slightly disrupted. Small fault at lower contact. Minor sulphide veins. Beds tend to be thickly laminated. CBA at 37m is 23	26.1	28	1.9	1.8	94.74	27.0	28.0	0.017	0.011		n/a	n/a	n/a	n/a	n/a	<0.02
MELBA	MF75	39.8	39.9	<b>Small fault zone with minor vuggy sulphides present.</b>	28	31	3	3	100	28.0	29.0	0.017	0.009		n/a	n/a	n/a	n/a	n/a	0.02
MELBA	MF75	39.9	44.3	<b>Grey gritty graded and disrupted sandstone with mudstone laminations. Minor barren carbonate veinlets present. Minor sulphides along foliation Py?. Minor floating mudstone clasts present.</b>	31	34	3	3	100	29.0	29.9	0.018	0.011		n/a	n/a	n/a	n/a	n/a	0.03
MELBA	MF75	44.3	47.8	<b>Thickly to thinly laminated black mudstone beds with minor siltstone. Minor barren carbonate veinlets. Trace Py present along foliation. CBA at 46m is 14.</b>	34	36.5	2.5	2.5	100											
MELBA	MF75	47.8	57.3	<b>Grey gritty graded and disrupted sandstone with minor mudstone laminations. Minor barren carbonate veinlets present. Minor floating mudstone clasts present. CBA at 56m is 27. Trace sulphides present along foliation. Gradational lower contact.</b>	36.5	39.6	3.1	3.1	100	21.4	22.7	0.08	0.024		n/a	n/a	n/a	n/a	n/a	<0.02
MELBA	MF75	57.3	65.2	<b>Fine to medium grained pale green siltstone/sandstone.</b>	39.6	41.2	1.6	1.6	100	22.7	24.0	0.085	0.018		n/a	n/a	n/a	n/a	n/a	<0.02
MELBA	MF75	65.2	66.8	<b>Hematitic red sandstone.</b>	41.2	42.3	1.1	1.1	100	24.0	25.0	0.036	0.009		n/a	n/a	n/a	n/a	n/a	<0.02
MELBA	MF75	66.8	71.9	<b>Fine to medium grained pale green siltstone/sandstone.</b>	42.3	43	0.7	0.4	57.14	25.0	26.0	0.02	0.012		n/a	n/a	n/a	n/a	n/a	<0.02
MELBA	MF75	71.9	73.7	<b>Mineralised pale green gabbro.</b>	43	46	3	3	100	26.0	27.0	0.015	0.01		n/a	n/a	n/a	n/a	n/a	<0.02
MELBA	MF75	73.7	76.7	<b>Brecciated pale green medium to fine sandstone/siltstone.</b>	46	49	3	3	100	27.0	28.0	0.017	0.011		n/a	n/a	n/a	n/a	n/a	<0.02
MELBA	MF75	76.7	77.5	<b>Brecciated fault zone.</b>	49	52	3	3	100	28.0	29.0	0.017	0.009		n/a	n/a	n/a	n/a	n/a	0.02
MELBA	MF75	77.5	80.2	<b>Mineralised pale green gabbro.</b>	52	52.4	0.4	0.4	100	29.0	29.9	0.018	0.011		n/a	n/a	n/a	n/a	n/a	0.03
MELBA	MF75	80.2	89	<b>Brecciated pale green sandstone and siltstone.</b>	52.4	52.7	0.3	0.3	100											
MELBA	MF75	89	89.2	<b>Small fault zone</b>	52.7	55	2.3	2.1	91.3											
MELBA	MF75	89.2	101.3	<b>Interbedded thinly laminated mudstone with thickly bedded sandstone.</b>	55	58	3	3	100	39.8	40.3	0.009	0.003		n/a	n/a	n/a	n/a	n/a	0.21
MELBA	MF75	101.3		Minor sulphides present predominantly along foliation.	58	63.8	5.8	5.8	100											
MELBA	MF75				63.8	66.9	3.1	3.1	100											
MELBA	MF75				66.9	68.5	1.6	1.6	100											
MELBA	MF75				68.5	69.4	0.9	0.9	100											
MELBA	MF75				69.4	71	1.6	1.5	93.75											
MELBA	MF75				71	73	2	2	100											
MELBA	MF75				73	75.4	2.4	2.3	95.83											
MELBA	MF75				75.4	77.7	2.3	2.3	100	39.8	40.3	0.009	0.003		n/a	n/a	n/a	n/a	n/a	0.21
MELBA	MF75				77.7	80.1	2.4	2.4	100											
MELBA	MF75				80.1	82	1.9	1.9	100											
MELBA	MF75				82	85	3	3	100											
MELBA	MF75				85	87	2	2	100											
MELBA	MF75				87	88	1	1	100											
MELBA	MF75				88	89.2	1.2	1.2	100											
MELBA	MF75				89.2	90.3	1.1	1.1	100											
MELBA	MF75				90.3	93.3	3	3	100	52.0	52.8	0.013	0.008		n/a	n/a	n/a	n/a	n/a	3.37
MELBA	MF75				93.3	96.3	3	3	100											
MELBA	MF75				96.3	99.4	3.1	3	96.77											
MELBA	MF75				99.4	102	2.4	2.4	100											
MELBA	MF75				102	105	3.1	3.1	100											
MELBA	MF75				105	107	2.2	2.2	100											
MELBA	MF75				107	109	1.9	1.9	100											
MELBA	MF75				109	112	3	3	100											
MELBA	MF75				112	115	3	3	100											
MELBA	MF75				115	118	3	3	100											
MELBA	MF75				118	121	3	3	100											
MELBA	MF75				121	124	3	3	100											
MELBA	MF75				124	127	3	3	100	70.9	71.9	0.04	0.038	10	0.001	200	<0.01	0.06	<0.01	0.10
MELBA	MF75				127	130	3	2.8	93.33											
MELBA	MF75				130	133	3	3	100											
MELBA	MF75				133	136	3	3	100											
MELBA	MF75				136	139	3	3	100											
MELBA	MF75				139	142	3	3	100											
MELBA	MF75				142	143	1.4	1.4	100	71.9	72.8	2.53	2.03	1090	0.109	1560	0.43	0.40	0.94	8.40
MELBA	MF75				143	145	1.6	1.6	100	72.8	73.7	2.23	1.63	1280	0.128	2800	0.32	0.42	0.65	8.06
MELBA	MF75				145	148	3	3	100	73.7	74.7	0.035	0.025	100	0.01	620	<0.01	0.08	<0.01	<0.02
MELBA	MF75				148	151	3	3	100	74.7	75.7	0.033	0.02	320	0.032	770	0.02	0.05	<0.01	0.34
MELBA	MF75				151	154	3	3	100	75.7	76.7	0.028	0.013	800	0.08	2780	0.02	0.03	<0.01	0.11
MELBA	MF75				154	157	3	3	100	76.7	77.5	0.89	0.818	4020	0.402	13700	0.08	0.23	0.32	3.63
MELBA	MF75				157	160	3	3	100	77.5	78.5	1.55	1.62	5950	0.595	39200				

