

ALLEGIANCE MINING NL MELBA FLATS PROJECT DRILL HOLE MF 78

Project	Hole ID	Log		Description	Recovery			Assays		% Ni	% Cu
		From	To		From	To	%	From	To		
MELBA	MF78	0.00	6.30	Orange/yellow clay	0	3	43.33				
MELBA	MF78			Extremely broken limonite clays. Minor goethite joints	3	4	80				
MELBA	MF78			present. Extremely puggy.	4	4.9	100				
MELBA	MF78	6.30	8.10	Puggy grey sheared mudstone and siltstone.	4.9	5.5	33.33				
MELBA	MF78			Core extremely brittle and broken. Slightly brecciated	5.5	6.2	71.43				
MELBA	MF78			core.	6.2	7	37.5				
MELBA	MF78	8.10	11.00	Leached/weathered pale green sandstones. Core	7	8	60				
MELBA	MF78			tends to be broken. Minor quartz veinlets with chlorite.	8	9	100				
MELBA	MF78			Minor goethite/limonite joints. Core tends to be slightly	9	10	60				
MELBA	MF78				10	11	70				
MELBA	MF78	11.00	20.00	Interbedded sandstone, siltstone and mudstone.	11	12	80				
MELBA	MF78			Core tends to be sheared and broken towards lower	12	13	80				
MELBA	MF78			contact. Thinly bedded to laminated black mudstone	13	14.5	100				
MELBA	MF78			interbedded with pale green vuggy sandstone. Minor	14.5	16	93.33				
MELBA	MF78			vuggy quartz veins, carbonate veinlets appear to be	16	17.5	66.67				
MELBA	MF78			leached. Minor trace sulphides present. CBA at 18.5m is 64.	17.5	19	93.33				
MELBA	MF78	20.00	20.60	Minor leached puggy broken fault.	19	20.5	80				
MELBA	MF78			Abundant vugs. Slightly sheared core. Minor sulphides	20.5	22	80				
MELBA	MF78			present. Core extremely broken.	22	23.9	52.63				
MELBA	MF78	20.60	21.80	Black mudstone with minor thick siltstone laminations.	23.9	25	54.55				
MELBA	MF78			Core tends to be slightly brecciated, broken and leached.	25	26.5	86.67				
MELBA	MF78	21.80	22.30	small broken fault zone.	26.5	28	86.67				
MELBA	MF78			Minor quartz present within predominantly mudstone.	28	31	100				
MELBA	MF78			Minor sheared zone. Leached core minor vugs present.	31	34	96.67				
MELBA	MF78	22.30	34.70	Interbedded mudstone/siltstone/sandstone.	34	35.3	100				
MELBA	MF78			Thinly bedded to laminated black mudstone interbedded thickly	35.3	36.2	88.89				
MELBA	MF78			bedded siltstone and sandstone. Start of minor	36.2	37.4	83.33				
MELBA	MF78			carbonate veinlets. Minor vugs/leached zones present.	37.4	39.5	85.71				
MELBA	MF78			Minor disseminated py present.	39.5	42.5	100				
MELBA	MF78			CBA at 27.5m is 49d, CBA at 32.2m is 66,	42.5	44.4	94.74				
MELBA	MF78	34.70	37.10	Minor sheared fault zone.	44.4	46	100				
MELBA	MF78			Core tends to be slightly leached and broken. Minor	46	47.1	100				
MELBA	MF78			disseminated pyrite present in vugs. Minor puggy shears	47.1	49	100				
MELBA	MF78			present. Predominantly interbedded mudstone and	49	52	96.67				
MELBA	MF78			siltstone.	52	54.9	100				
MELBA	MF78	37.10	44.20	Interbedded siltstone and mudstone.	54.9	57.4	100				
MELBA	MF78			Pale green thinly bedded siltstone and black mudstone.	57.4	59	93.75				
MELBA	MF78			Minor carbonate veinlets and open weathered vugs.	59	61	90				
MELBA	MF78			Minor fine pyrite within mudstone beds. CBA at 42m is 67d	61	62.8	100				
MELBA	MF78	44.20	44.30	Small vuggy quartz vein.	62.8	65.9	96.77				
MELBA	MF78			Minor chlorite and trace sulphides.	65.9	69	96.77				
MELBA	MF78	44.30	48.10	Pale green thickly bedded graded siltstone sandstone.	69	72.1	100				
MELBA	MF78			Minor carbonate veinlets and vugs. Younging up hole.	72.1	75.2	96.77				
MELBA	MF78			CBA at 47m is 50d. Minor trace Py present.	75.2	78.2	103.3				
MELBA	MF78	48.10	53.20	Hematitic graded siltstones and sandstones	78.2	81.3	100				
MELBA	MF78			Younging up hole. Minor carbonate veinlets.	81.3	84.4	100				
MELBA	MF78			CBA at 49m is 50d. CBA at 52.9m is 43d. Minor trace	84.4	87.5	100				
MELBA	MF78			sulphides present within carbonate veinlets.	87.5	90.6	100				
MELBA	MF78	53.20	55.60	Interbedded graded pale green sandstone and siltstone.	90.6	93.7	96.77				
MELBA	MF78			Minor disrupted beds. Minor carbonate veinlets.	93.7	96.8	100				
MELBA	MF78			CBA at 54m is 43d, 54d and 40d.	96.8	99.9	100				
MELBA	MF78	55.60	60.80	Interbedded siltstone and mudstone.	99.9	103	96.77				
MELBA	MF78			Pale green thinly bedded siltstone and black mudstone.	103	106	103.3				
MELBA	MF78			Minor carbonate veinlets. Minor fine pyrite within	106	108.8	100				
MELBA	MF78			mudstone beds. CBA at 57m is 50d.	108.8	111.9	100				
MELBA	MF78	60.80	64.80	Interbedded graded pale green sandstone and siltstone.	111.9	114.5	100				
MELBA	MF78			Younging up hole. Minor carbonate veinlets.	114.5	117.6	100				
MELBA	MF78			CBA at 64m is 37d.	117.6	120.7	100				
MELBA	MF78	64.80	73.40	Hematitic red graded and massive siltstones and	120.7	123.8	100	72.40	73.40	0.012	0.002
MELBA	MF78			sandstone beds. Younging up hole. Minor white carbonate veinlets.	123.8	126.9	100	73.40	74.40	0.013	0.013
MELBA	MF78			CBA at 66m is 35d. CBA at 68m is 30d. Minor trace	126.9	130	96.77	74.40	75.40	0.039	0.013
MELBA	MF78			chlorite present within carbonate veinlets.	130	133	100	75.40	76.40	0.045	0.013
MELBA	MF78	73.40	80.60	Pale green medium grained gabbro.	133	136	100	76.40	77.40	0.045	0.013
MELBA	MF78			Trace sulphides present. Minor sphalerite present	136	139	100	77.40	78.40	0.047	0.013
MELBA	MF78			towards upper contact?. Upper contact at 23 degrees.	139	142	100	78.40	79.50	0.041	0.011
MELBA	MF78			Lower contact at 79d. Minor carbonate veinlets present.	142	145	100	79.50	80.60	0.04	0.012
MELBA	MF78			Minor chlorite present within carbonate veinlets.	145	148	100	80.60	81.60	0.01	0.006
MELBA	MF78	80.60	82.40	Interbedded graded pale green sandstone and siltstone.	148	151	100				
MELBA	MF78			Younging up hole. Minor carbonate veinlets.	151	154	100				
MELBA	MF78			CBA at 82m is 45d.	154	157	100				
MELBA	MF78	82.40	96.80	Hematitic red graded and massive siltstones and	157	160	100				
MELBA	MF78			sandstone beds. Younging up hole. Minor white carbonate veinlets.	160	163	100				
MELBA	MF78			CBA at 66m is 35d. CBA at 68m is 30d. Minor trace	163	166	100				
MELBA	MF78			chlorite present within carbonate veinlets.	166	169	100				
MELBA	MF78	96.80	98.20	Pale green siltstone and sandstone	169	172	100				
MELBA	MF78			Thinly bedded pale green, graded siltstone and	172	175	100				
MELBA	MF78			sandstone. CBA at 97m is 34d. Minor carbonate	175	178	100				
MELBA	MF78			veinlets present. Minor disseminated pyrite present	178	181	100				
MELBA	MF78			towards lower contact. Sharp lower contact at 70d with	181	184	100	97.20	98.20	0.011	0.008
MELBA	MF78			Gabbro.	184	187	100	98.20	99.30	0.035	0.011
MELBA	MF78	98.20	100.40	Fine to medium grained dark green gabbro.	187	190	100	99.30	100.40	0.035	0.01
MELBA	MF78			Abundant barren carbonate veinlets. Irregular lower	190	193	100	100.40	101.55	0.011	0.003
MELBA	MF78			contact at 42 degrees. Trace sulphides present.	193	196	100	101.55	102.70	0.011	0.013
MELBA	MF78	100.40	102.70	Fine grained pale green massive siltstone.	196	199	103.3	102.70	103.90	0.031	0.01

