hole no MF27

			at	mag brg	AMG brg as read	AMG brg corrected	AMG brg as used	dip	comments
final depth	86.5	m	0.0	-	-	-	291.9	-47.4	Collar bearing and dip are as provided by surveyor.
			42.0	279.0	292.0	292.0	292.0	-47	All downhole bearings and dips were surveyed using a downhole camera.
east	366,354.60	AMG	85.0	280.0	293.0	293.0	293.0	-48	
north	5,367,614.50	AMG							
rl	205.40	m							

PQ
HQTT 0.0m to 86.5m
NQTT
NQ
NQTT

commenced 25 February 2004
completed 3 March 2004

logged by Mick McKeown

drilled by Almac Drilling Pty Ltd, Zeehan

analyses by SGS, Burnie

COMMENTS

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF27

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
0.00	**6.00**	**CLAY AND CLAYSTONE** Light brown and tan clay and claystone (after rock): partly fill, partly extremely weathered rock (hole was collared on existing track). BCA is obscure (no bedding preserved). The interval is rubbly. The contact with the next interval is sharp but broken.									
6.00	**11.00**	**SILTSTONE** Grey and black (fresher) and light brown (weathered) siltstone with common ironstaining on joints and fractures. BCA at 7.2m = 65 degrees. BCA at 9.7m = 50 degrees. BCA at 10.5m = 60 degrees. The interval is extremely broken, rubbly and puggy. The contact with the next interval is gradational - colour.									
11.00	**11.90**	**CRIMSON SILTSTONE** Crimson siltstone with common ironstaining on joints and fractures BCA at 11.3m = 65 degrees. The interval is broken. The contact with the next interval is gradational - colour.									
11.90	**25.90**	**VOLCANICLASTIC (90%) AND SILTSTONE (10%)** Light brown, tan and much lesser crimson, fine grained volcaniclastic and siltstone, slightly to extremely weathered, partly to clay; with common to abundant ironstaining on joints and fractures.									

16.50m to 16.60m: brown angular rock fragments <1cm across in puggy matrix: breccia or weathering feature?
23.90m to 24.00m: grey angular rock fragments <1cm across in puggy matrix: breccia or weathering feature?
24.85m to 25.00m: grey angular rock fragments <1cm across in puggy matrix: breccia or weathering feature?
25.25m to 25.35m: grey angular rock fragments <1cm across in puggy matrix: breccia or weathering feature?

BCA at 13.0m = 60 degrees.
BCA at 19.3m = 60 degrees.

The interval is very broken, rubbly and puggy.

The contact with the next interval is gradational - weathering.

25.90 43.90 VOLCANICLASTIC (70%) AND SILTSTONE (30%)

Light grey, dark grey and black , fine grained volcaniclastic and siltstone; with trace crystalline pyrite on joints, sparse grey pug on joints and fractures.

The interval is microfaulted in part.

BCA at 27.1m = 45 degrees.
BCA at 28.8m = 50 degrees.
BCA at 30.7m = 55 degrees.
BCA at 31.0m = 50 degrees.
BCA at 33.2m = 60 degrees.
BCA at 35.9m = 60 degrees.
BCA at 39.4m = 50 degrees.
BCA at 41.0m = 80 degrees.

The interval is extremely broken.

The contact with the next interval is sharp but broken.

43.90 45.00 FAULT ZONE / PROTOVEIN

43.90m to 43.94m: breccia in pug, FCA = 60 degrees?: fault.

43.94m to 44.40m: broken volcaniclastic and siltstone with grey pug.

44.40m to 44.60m: white quartz vein with abundant interstitial black mineral, VCA = 80 degrees.

		44.60m to 44.90m: broken volcaniclastic and siltstone with grey pug. 44.90m to 45.00m: vuggy quartz vein with trace brown sphalerite as fine flecks. The interval is extremely broken, rubbly and puggy. The contact with the next interval is sharp but broken.									
45.00	**54.90**	**VOLCANICLASTIC (70%) AND SILTSTONE (30%)** As from 25.90m to 43.90m. BCA at 51.7m = 70 degrees. BCA at 51.1m = 70 degrees. The interval is extremely broken. The contact with the next interval is sharp at 80 degrees to the core axis.									
54.90	**55.03**	**DOLOMITE VEIN** Cream dolomite vein with common included rock and brown sphalerite, sparse pyrite as patches, sparse quartz as patches, trace galena associated with sphalerite. The interval is generally unbroken. The contact with the next interval is sharp at 80 degrees to the core axis.	54.9	56.5	115	54	6880	120	260	7470	-25
55.03	**56.50**	**VOLCANICLASTIC (70%) AND SILTSTONE (30%)** As from 25.90m to 43.90m with sparse pyrite as fine flecks. BCA at 55.4m = 45 degrees. BCA at 56.0m = 80 degrees. The interval is broken. The contact with the next interval is sharp but broken.									
56.50	**64.85**	**GABBRO** Mottled, cream, brown, black and green, fine to medium grained gabbro with trace disseminated pyrite, sparse quartz as stringers, sparse serpentine as stringers. The interval is broken and very broken.	56.5	57.5	495	72	720	180	140	330	44
			57.5	58.5	575	94	760	140	-125	115	-25
			58.5	59.5	515	88	680	160	-125	115	-25
			59.5	60.5	445	72	1160	110	130	140	-25
			60.5	61.5	470	80	1340	120	-125	100	-25
			61.5	62.5	435	76	620	130	-125	115	-25
			62.5	63.5	355	74	835	96	-125	110	-25

		The contact with the next interval is sharp but broken.	63.5	64.85	395	78	1130	96	-125	125	48

64.85 68.20 VOLCANICLASTIC (70%) AND SILTSTONE (30%)

Light grey to dark grey and black fine to medium grained volcaniclastic and siltstone; with sparse quartz as stringers and veinlets, sparse calcite as stringers, trace pyrite as fine flecks.

The interval is microfaulted.

The rockmass is slightly vuggy.

BCA at 66.5m = 70 degrees.

The interval is broken.

The contact with the next interval is gradational - colour.

68.20 83.30 CRIMSON VOLCANICLASTIC (70%) AND SILTSTONE (30%)

As from 64.85m to 68.20m but crimson and much lesser grey colour.

BCA at 74.6m = 80 degrees.
BCA at 75.6m = 80 degrees.

The interval is broken.

The contact with the next interval is sharp at 75 degrees to the core axis.

83.30 83.42 GABBRO

Light and dark green and black, fine grained gabbro with sparse quartz and calcite as stringers and veinlets.

The interval is generally unbroken.

The contact with the next interval is sharp at 75 degrees to the core axis.

83.42 86.50 CRIMSON VOLCANICLASTIC (70%) AND SILTSTONE (30%)

As from 68.20m to 83.30m.

BCA at 84.8m = 45 degrees.
Facing at 84.8m: flame structures indicate facing is up-hole.

The interval is broken.

END OF HOLE AT 86.5m

bhid	from	to	recovery	recovery
	m	m	m	%
MF27	0.0	5.5	4.0	73
MF27	5.5	8.5	2.6	87
MF27	8.5	10.0	1.1	73
MF27	10.0	11.5	1.5	100
MF27	11.5	13.0	1.5	100
MF27	13.0	14.1	1.0	91
MF27	14.1	15.1	1.0	100
MF27	15.1	17.1	0.7	35
MF27	17.1	18.1	0.8	80
MF27	18.1	19.3	1.2	100
MF27	19.3	19.9	0.5	83
MF27	19.9	22.0	1.9	90
MF27	22.0	22.6	0.5	83
MF27	22.6	23.2	0.2	33
MF27	23.2	25.3	1.5	71
MF27	25.3	25.9	0.5	83
MF27	25.9	26.5	0.6	100
MF27	26.5	27.5	1.0	100
MF27	27.5	28.7	1.2	100
MF27	28.7	29.7	0.8	80
MF27	29.7	31.2	1.5	100
MF27	31.2	32.5	1.3	100
MF27	32.5	34.0	1.2	80
MF27	34.0	35.3	0.7	54
MF27	35.3	36.5	1.0	83
MF27	36.5	37.6	1.1	100
MF27	37.6	38.5	0.6	67
MF27	38.5	39.0	0.5	100
MF27	38.5	39.6	0.6	55
MF27	39.6	41.0	1.4	100
MF27	41.0	41.9	0.8	89
MF27	41.9	43.0	1.1	100
MF27	43.0	44.0	0.9	90
MF27	44.0	44.3	0.3	100
MF27	44.3	44.6	0.3	100
MF27	44.6	45.5	0.9	100
MF27	45.5	46.5	0.9	90
MF27	46.5	47.5	1.0	100
MF27	47.5	48.5	1.0	100
MF27	48.5	49.5	1.0	100
MF27	49.5	50.5	1.0	100
MF27	50.5	52.0	1.5	100
MF27	52.0	53.5	1.5	100
MF27	53.5	54.3	0.6	75
MF27	54.3	55.5	1.2	100
MF27	55.5	56.5	1.0	100
MF27	56.5	59.5	3.0	100
MF27	59.5	62.1	2.6	100
MF27	62.1	65.5	3.4	100
MF27	65.5	68.5	3.0	100
MF27	68.5	71.5	3.0	100
MF27	71.5	74.5	3.0	100
MF27	74.5	77.5	3.0	100
MF27	77.5	80.5	3.0	100
MF27	80.5	83.1	2.6	100
MF27	83.1	86.1	3.0	100
MF27	86.1	86.5	0.4	100

END OF HOLE AT 86.5m

hole no MF28

			at	mag brg	AMG brg as read	AMG brg corrected	AMG brg as used	dip	comments
final depth	96.6	m	0	-	-	-	324.7	-46.3	Collar bearing and dip are as provided by surveyor.
			30	310.0	323.0	323.0	323.0	-46.5	All downhole bearings and dips were surveyed using a downhole camera
east	366,466.70	AMG	60	310.0	323.0	323.0	323.0	-47.5	
north	5,367,811.80	AMG	90	310.0	323.0	323.0	323.0	-48.5	
rl	208.40	m							

PQ
HQTT 0.0m to 96.6m
NQTT
NQ
NQTT

commenced 3 March 2004
completed 10 March 2004

logged by Mick McKeown

drilled by Almac Drilling Pty Ltd, Zeehan

analyses by SGS, Burnie

COMMENTS

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF28

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
0.00	**1.30**	**TOPSOIL**									
		Brown topsoil.									
		The contact with the next interval is gradational - weathering.									
1.30	**2.20**	**VOLCANICLASTIC**									
		Very weathered rock: medium grained volcaniclastic.									
		The interval is extremely broken.									
		The contact with the next interval is gradational - weathering.									
2.20	**18.06**	**VOLCANICLASTIC (50%) AND SILTSTONE (50%)**									
		Light and dark grey fine to medium grained volcaniclastic and siltstone.									
		The interval is microfaulted in part.									
		Beds in the volcaniclastic are <1m long, in the siltstone >1mm thick. Bedding is irregular in places. BCA at 6.5m = 60 degrees. BCA at 7.5m = 90/40/90 degrees. BCA at 8.5m = 70 degrees. BCA at 17.9m = 55 degrees.									
		The interval is extremely broken and puggy.									
		The contact with the next interval is gradational - colour.									
18.06	**25.50**	**CRIMSON VOLCANICLASTIC (50%) AND SILTSTONE (50%)**									
		As from 2.20m to 18.06m but crimson colour; with sparse quartz as vuggy veinlets.									
		BCA at 18.5m = 55 degrees.									

BCA at 21.2m = 80 degrees.
BCA at 22.9m = 65 degrees.

The interval is extremely broken.

The contact with the next interval is gradational - colour.

25.50 27.90 SILTSTONE

Light grey-green, cherty looking siltstone.

The interval is microfaulted in part.

The interval is extremely broken and puggy.

The contact with the next interval is sharp but broken but not faulted.

27.90 39.60 GABBRO

Light and dark green, medium grained gabbro with common quartz and a black mineral as vuggy stringers, veinlets and veins, sparse disseminated pyrite and pentlandite (see assays for distribution).

The interval is broken to extremely broken.

The contact with the next interval is sharp but broken but not faulted.

27.9	28.9	325	94	835	100	-125	460	-25
28.9	29.9	315	88	750	105	-125	330	-25
29.9	30.9	280	76	750	175	-125	245	-25
30.9	31.9	225	66	1870	145	-125	1840	-25
31.9	32.8	795	98	1160	375	-125	885	-25
32.8	33.8	2600	160	7550	1960	630	3420	-25
33.8	34.8	5990	220	20500	5050	560	3210	-25
34.8	35.8	5550	200	21000	4830	1020	3690	-25
35.8	36.8	1800	140	6010	1150	720	4270	-25
36.8	37.8	545	90	1660	270	-125	235	-25
37.8	38.8	390	84	2520	190	-125	520	-25
38.8	39.6	370	74	1440	145	-125	230	-25

39.60 71.20 VOLCANICLASTIC (50%) AND SILTSTONE (50%)

Light grey, green-grey and black, fine to medium grained volcaniclastic and siltstone; with sparse quartz as vuggy stringers, veinlets and patches becoming more common towards 71.20m, trace incipient axinite and axinite along some bedding (<1cm true thickness) from 39.6m to 41.5m, trace crystalline pyrite on joints, trace pyrite as disseminations, fine flecks and stringers in part, sparse ironstaining from 62m to 71m, sparse calcite as stringers and lace veining.

The interval is microfaulted in part.

Beds in the volcaniclastic are <2m long, in the siltstone >1mm thick.
Bedding is typically irregular.

BCA at 40.5m = 65 degrees.
BCA at 46.7m = 50 degrees.
BCA at 49.8m = 45 degrees.
BCA at 50.6m = 50 degrees.
BCA at 59.3m = 40 degrees.

The interval is broken to extremely broken.

The contact with the next interval is gradational - colour.

71.20 75.25 CRIMSON VOLCANICLASTIC (50%) AND SILTSTONE (50%)

As from 39.60m to 71.20m but crimson.

The interval is broken.

The contact with the next interval is gradational - colour.

75.25 86.80 VOLCANICLASTIC (50%) AND SILTSTONE (50%)

As from 39.60m to 71.20m but with common quartz and calcite as stringers and veinlets.

The interval is broken.

The contact with the next interval is sharp but broken.

86.80 93.57 GABBRO

Light green, dark green and black, medium grained gabbro with sparse calcite as stringers, trace pyrite and pentlandite as rare flecks.

The interval is broken.

The contact with the next interval is sharp and discordant with bedding.

93.57 96.60 VOLCANICLASTIC (90%) AND SILTSTONE (10%)

Grey and grey-green fine grained volcaniclastic and cherty looking siltstone; with sparse calcite as stringers.

The interval is microfaulted in part.

Beds in the volcaniclastic are <1m long, in the siltstone >1mm thick.

The interval is generally unbroken.

END OF HOLE AT 96.6m

bhid	from	to	recovery	recovery
	m	m	m	%
MF28	0.0	5.5	5.5	100
MF28	5.5	8.5	2.6	87
MF28	8.5	11.2	2.4	89
MF28	11.2	14.5	2.8	85
MF28	14.5	17.5	2.8	93
MF28	17.5	19.9	2.4	100
MF28	19.9	23.5	3.6	100
MF28	23.5	26.5	3.0	100
MF28	26.5	28.0	0.9	60
MF28	28.0	29.3	1.1	85
MF28	29.3	32.3	3.0	100
MF28	32.3	35.2	2.9	100
MF28	35.2	36.8	1.6	100
MF28	36.8	38.5	1.3	76
MF28	38.5	41.4	2.9	100
MF28	41.4	44.5	3.1	100
MF28	44.5	46.6	1.8	86
MF28	46.6	49.7	3.1	100
MF28	49.7	51.8	2.1	100
MF28	51.8	54.5	2.7	100
MF28	54.5	57.3	2.8	100
MF28	57.3	58.7	1.4	100
MF28	58.7	60.2	1.5	100
MF28	60.2	61.8	1.6	100
MF28	61.8	64.8	3.0	100
MF28	64.8	67.3	2.5	100
MF28	67.3	70.3	2.7	90
MF28	70.3	71.0	0.7	100
MF28	71.0	74.0	3.0	100
MF28	74.0	79.9	2.8	47
MF28	79.9	83.0	3.1	100
MF28	83.0	86.0	3.1	103
MF28	86.0	89.0	3.0	100
MF28	89.0	92.0	3.0	100
MF28	92.0	95.0	3.0	100
MF28	95.0	96.6	1.6	100

END OF HOLE AT 96.6m

hole no MF29

			at	mag brg	AMG brg as read	AMG brg corrected	AMG brg as used	dip	comments
final depth	61.2	m	0	-	-	-	317.4	-46.4	Collar bearing and dip are as provided by surveyor.
			30	309.0	322.0	317.0	317.0	-47	All downhole bearings and dips were surveyed using a downhole camera.
east	366,451.61	AMG	60	305.0	318.0	318.0	318.0	-48	
north	5,367,814.61	AMG							
rl	207.90	m							

PQ
HQTT 0.0m to 61.2m
NQTT
NQ
NQTT

commenced 11 March 2004
completed 15 March 2004

logged by Mick McKeown

drilled by Almac Drilling Pty Ltd, Zeehan

analyses by SGS, Burnie

COMMENTS

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF29

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
0.00	**0.50**	**TOPSOIL** Red-brown, clayey topsoil. The contact with the next interval is gradational - weathering.									
0.50	**10.35**	**VOLCANICLASTICS (50%) AND SILTSTONE (50%)** Light and dark grey, fine to medium grained lithic volcaniclastic and siltstone, the interval is weathered to green clay 2.8m. The interval is microfaulted in part. Beds in the volcaniclastic are <1m long, in the siltstone >1mm thick. Bedding is somewhat erratic, for example at 5.3m, where contacts of a grit band are not parallel to bedding. BCA at 2.8m = 80 degrees. BCA a t5.3m = 65 degrees. BCA at 9.7m = 50 degrees. The interval is extremely broken and puggy. The contact with the next interval is gradational - colour.									
10.35	**15.30**	**CRIMSON VOLCANICLASTICS (50%) AND SILTSTONE (50%)** Crimson fine to medium grained lithic volcaniclastic and siltstone. Beds in the volcaniclastic are <1m long, in the siltstone >1mm thick. BCA at 12.8m = 65 degrees. The interval is extremely broken. The contact with the next interval is gradational - colour change.									
15.30	**20.60**	**SILTSTONE** Light grey-green, cherty looking siltstone.									

		The interval is microfaulted in part. Beds in the siltstone are >1mm thick. BCA at 18.3m = 75 degrees. The interval is extremely broken and puggy. The contact with the next interval is sharp but broken.										
20.60	**24.10**	**GABBRO**										
		Medium grained gabbro: light green and dark green (groundmass) with sparse pyrite and pentlandite as stringers, trace quartz as stringers and veinlets. The interval is broken to extremely broken. The contact with the next interval is sharp - quartz content.	20.60 21.60 22.60	21.60 22.60 24.10	1140 3190 575	105 145 87	2350 6900 800	715 2230 145	36 -25 -25	285 325 175	-50 -50 -50
24.10	**24.50**	**GABBRO WITH QUARTZ** Gabbro as in the previous interval with minor quartz and a black mineral as vuggy stringers and veinlets tending to follow layering? and microfaulted offsets; with trace pentlandite as fine flecks associated with the black mineral. The interval is broken. The contact with the next interval is sharp - quartz content.	24.10	24.50	1120	95	1450	530	-25	380	-50
24.50	**25.30**	**GABBRO** As from 20.60m to 24.10m with sparse pyrite/pentlandite as disseminated crystals (pyrite?) and stringers (pentlandite?). The interval is broken to extremely broken. The contact with the next interval is sharp but broken.	24.50	25.30	6480	195	17800	5720	-25	395	-50
25.30	**25.60**	**MASSIVE SULPHIDE** Massive pyrite/pentlandite/chalcopyrite with minor included gabbro. The interval is extremely broken. The contact with the next interval is sharp but broken.	25.30	25.60	58500	1670	257000	91500	130	1080	135
25.60	**26.25**	**GABBRO**	25.60	26.25	5410	180	16600	4490	-25	530	-50

As from 24.50m to 25.30m.

The interval is broken.

The contact with the next interval is sharp but broken.

26.25	**26.90**	**GABBRO**	26.25	26.90	790	89	2000	690	-25	250	-50

As from 20.60m to 24.10m.

The interval is broken.

The contact with the next interval is sharp and irregular but not faulted.

26.90 60.65 VOLCANICLASTIC (50%) AND SILTSTONE (50%)

Green-grey and dark grey to black, fine grained volcaniclastic and siltstone, slightly cherty in part; with minor quartz as vuggy stringers and veinlets becoming more common towards 60.65m, sparse pyrite as disseminations and stringers, trace incipient axinite alteration associated with small (<2mm) dark spots from 26.9m to 27.9m, sparse pyrite as disseminations in some volcaniclastic layers and as stringers parallel to bedding in places, for example, near 42.0m, trace ironstaining on joints and fractures from 45m to 50m.

The interval is microfaulted in part.

Beds in the volcaniclastic are <2m long, in the siltstone >1mm thick.
Bedding is irregular in many places.
BCA at 29.4m = 80 degrees.
BCA at 30.6m = 70 degrees.
BCA at 32.0m = 60 degrees.
BCA at 32.9m = 65 degrees.
BCA at 37.5m = 80 degrees.
BCA at 42.1m = 70 degrees.
BCA at 51.5m = 25 degrees.
Facing at 45.0m: flame structures indicate facing is up-hole.

The rockmass is slightly vuggy.
The interval is broken to extremely broken.

The contact with the next interval is sharp but broken.

60.65 61.20 PROTOVEIN

Very broken rock as in previous interval with common quartz as stringers, small

patches and veinlets.

END OF HOLE AT 61.2m

bhid	from	to	recovery	recovery
	m	m	m	%
MF29	0.0	3.0	2.7	90
MF29	3.0	5.5	2.5	100
MF29	5.5	8.5	3.0	100
MF29	8.5	11.0	2.5	100
MF29	11.0	13.3	2.3	100
MF29	13.3	14.3	1.0	100
MF29	14.3	16.0	1.7	100
MF29	16.0	17.4	1.4	100
MF29	17.4	20.5	3.1	100
MF29	20.5	23.5	3.0	100
MF29	23.5	26.5	3.0	100
MF29	26.5	29.1	2.6	100
MF29	29.1	29.8	0.5	71
MF29	29.8	32.5	2.7	100
MF29	32.5	35.0	2.0	80
MF29	35.0	38.0	2.5	83
MF29	38.0	41.0	3.0	100
MF29	41.0	44.0	3.0	100
MF29	44.0	46.7	2.7	100
MF29	46.7	50.0	3.3	100
MF29	50.0	53.0	3.0	100
MF29	53.0	55.3	2.3	100
MF29	55.3	59.0	3.7	100
MF29	59.0	61.2	2.2	100

END OF HOLE AT 61.2m

hole no MF30

			at	mag brg	AMG brg as read	AMG brg corrected	AMG brg as used	dip	comments
final depth	60.5	m	0	-	-	-	324.8	-45.1	Collar bearing and dip are as provided by surveyor.
			30	308.0	321.0	321.0	321.0	-46.5	All downhole bearings and dips were surveyed using a downhole camera
east	366,452.52	AMG	60	305.0	318.0	318.0	318.0	-48	
north	5,367,790.36	AMG							
rl	208.80	m							

PQ
HQTT 0.0m TO 60.5m
NQTT
NQ
NQTT

commenced 16 March 2004
completed 19 March 2004

logged by Mick McKeown

drilled by Almac Drilling Pty Ltd, Zeehan

analyses by SGS, Burnie

COMMENTS

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF30

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
0.00	**1.00**	**TOPSOIL**									
		Brown-red topsoil.									
		The contact with the next interval is gradational - weathering.									
1.00	**8.50**	**VOLCANICLASTIC AND SILTSTONE**									
		Very weathered, light to dark grey siltstone and medium grained volcaniclastic.									
		The interval is extremely broken and puggy.									
		The contact with the next interval is gradational - weathering.									
8.50	**26.50**	**VOLCANICLASTIC AND SILTSTONE**									
		Light grey, fine to medium grained volcaniclastic and green-grey to black siltstone; not ironstained.									
		11.2m to 11.5m: fault: breccia in pug.									
		The interval is microfaulted and slightly vuggy in part.									
		Beds in the volcaniclastic are <4m long, in the siltstone >1mm thick. BCA at 10.1m = 80 degrees. BCA at 10.9m = 80 degrees.									
		Then interval is extremely broken and puggy in bands, for example from 21.6m to 22.2m.									
		The contact with the next interval is gradational - colour.									
26.50	**29.20**	**CRIMSON VOLCANICLASTIC AND SILTSTONE**									
		Crimson and much lesser grey, fine to medium grained volcaniclastic and siltstone.									
		Bedding is irregular.									

		The interval is very broken. The contact with the next interval is gradational - colour.									
29.20	**36.90**	**VOLCANICLASTIC AND SILTSTONE** As from 26.50m to 29.20m but grey and green-grey in colour; the siltstone has a cherty appearance. The interval is microfaulted in part. BCA at 34.3m = 55 degrees. The interval is very broken and extremely broken. The contact with the next interval is sharp but broken, not faulted.	35.90	36.90	100	40	300	64	-25	105	-50
			36.90	37.90	270	63	1650	275	-25	140	-50
			37.90	38.90	290	66	700	64	-25	100	-50
			38.90	39.90	260	64	1250	68	-25	100	-50
			39.90	40.90	225	61	1600	58	-25	98	-50
			40.90	41.90	355	62	1450	250	82	260	-50
			41.90	43.15	535	74	650	205	-25	115	-50
			43.15	43.55	3440	140	7900	3020	-25	170	-50
			43.55	45.10	1620	96	4400	1140	-25	130	-50
			45.10	45.75	67	28	1200	-25	56	350	-50
36.90	**43.15**	**GABBRO** Green, cream, brown and black, medium grained gabbro. The gabbro is slightly vuggy. The interval is extremely broken near contact and very broken elsewhere. The contact with the next interval is sharp but irregular and is marked by the first occurrence of quartz and a black mineral.	36.90	37.90	270	63	1650	275	-25	140	-50
			37.90	38.90	290	66	700	64	-25	100	-50
			38.90	39.90	260	64	1250	68	-25	100	-50
			39.90	40.90	225	61	1600	58	-25	98	-50
			40.90	41.90	355	62	1450	250	82	260	-50
			41.90	43.15	535	74	650	205	-25	115	-50
43.15	**43.55**	**GABBRO WITH QUARTZ LEADER** Gabbro as from 36.90m to 43.15m but with abundant quartz and a black mineral as stringers and irregular veinlets; with sparse crystalline pyrite: see assays. The interval is very broken. The contact with the next interval is sharp but irregular, not faulted.	43.15	43.55	3440	140	7900	3020	-25	170	-50
43.55	**45.75**	**VOLCANICLASTIC (50%) AND SILTSTONE (50%)** As from MF29 26.9m to 60.65m. The interval is microfaulted in part.	43.55	45.10	1620	96	4400	1140	-25	130	-50
			45.10	45.75	67	28	1200	-25	56	350	-50

Beds in the volcaniclastic are <2m long, in the siltstone >1mm thick.
Bedding is irregular in many places.

The interval is broken.

The contact with the next interval is sharp but broken.

45.75 48.30 FAULT

45.75m to 45.77m: fault: breccia and pug, FCA = 40 degrees.
45.77m to 48.12m: fault: discoloured (weathered) rock with some quartz as lace veining, extremely broken, clay on joints and fractures, slightly vuggy.
48.12m to 48.30m: fault: coarse breccia, fragments up to 5cm across, quartz rich matrix, FCA = 50 degrees.

The contact with the next interval is sharp at 50 degrees to the core axis.

48.30 60.50 VOLCANICLASTIC (50%) AND SILTSTONE (50%)

As from MF29 26.9m to 60.65m with minor vuggy quartz as stringers and lace veining, trace pyrite as fine crystals..

The interval is microfaulted in part.

Bedding is disrupted in part: siltstone beds have been ruptured.
BCA at 50.9m = 60 degrees.
BCA at 52.6m = 60 degrees.

The interval is extremely broken.

END OF HOLE AT 60.5m

bhid	from	to	recovery	recovery
	m	m	m	%
MF30	0.0	5.5	5.5	100
MF30	5.5	8.5	2.0	67
MF30	8.5	11.5	2.8	93
MF30	11.5	14.1	1.6	62
MF30	14.1	17.5	3.4	100
MF30	17.5	20.0	2.5	100
MF30	20.0	23.5	3.0	86
MF30	23.5	26.4	2.9	100
MF30	26.4	29.5	3.1	100
MF30	29.5	32.5	3.0	100
MF30	32.5	35.0	2.5	100
MF30	35.0	38.5	3.3	94
MF30	38.5	41.5	3.0	100
MF30	41.5	44.5	3.0	100
MF30	44.5	47.5	2.8	93
MF30	47.5	50.2	2.7	100
MF30	50.2	53.2	3.0	100
MF30	53.2	56.5	3.1	94
MF30	56.5	59.5	3.0	100
MF30	59.5	60.5	0.9	90

END OF HOLE AT 60.5m

hole no	MF31								
			at	**mag brg**	**AMG brg as read**	**AMG brg corrected**	**AMG brg as used**	**dip**	**comments**
final depth	45.4	m	0	-	-	-	325.0	-45	Collar bearing and dip are as provided by surveyor.
			36	309.0	322.0	322.0	322.0	-46.5	All downhole bearings and dips were surveyed using a downhole camera
east	366,430.93	AMG							
north	5,367,791.95	AMG							
rl	210.20	m							
PQ									
HQTT	0.0m to 45.4m								
NQTT									
NQ									
NQTT									
commenced	19 March 2004								
completed	23 March 2004								
logged by	Mick McKeown								
drilled by	Almac Drilling								
analyses by	SGS								

COMMENTS

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF31

from m	to m	DESCRIPTION	from m	to m	Ni %	Co %	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
0.0	**1.0**	**CLAY**									
		Orange-brown clay.									
		The contact with the next interval is gradational - weathering.									
1.0	**16.2**	**VOLCANICLASTIC (50%) AND SILTSTONE (50%)**									
		Grey, medium grained lithic volcaniclastic and light to dark grey siltstone (50%), the interval is slightly pink from 14.3m to 15.5m; bedding in the volcaniclastic is thick, in the siltstone thin; with common ironstaining on joints and fractures to 11.1m.									
		BCA at 9.3m = 70 degrees. BCA at 11.6m = 70 degrees.									
		The interval is microfaulted.									
		The interval is very broken to extremely broken, reduced to rubble in part.									
		The contact with the next interval is gradational - colour change.									
16.2	**19.3**	**VOLCANICLASTIC (50%) AND SILTSTONE (50%)**									
		As between 1.0m and 16.2m but crimson, pink, grey pink and grey in colour.									
		BCA at 18.2m = 85 degrees.									
		The contact with the next interval is gradational - colour change.									
19.3	**21.2**	**VOLCANICLASTIC ("GRITS")**	20.2	21.2	100	44	5650	2300	-25	310	-50
		Light grey-green, medium to coarse grained lithic volcaniclastic ("grits"); with sparse crystalline pyrite/pyrrhotite tending to accumulate close to 21.2m.									
		BCA at 21.1m = 85 degrees.									
		The contact with the next interval is irregular at a low angle to the core axis and is not apparently faulted.									
21.2	**29.3**	**GABBRO**	21.2	22.2	285	91	6150	1590	28	395	-50
			22.2	23.2	285	81	2400	645	-25	270	-50
		Green, cream and brown, fine to medium grained gabbro with sparse dark green	23.2	24.2	330	87	3100	685	-25	245	-50
		serpentine as stringers, sparse disseminated pentlandite and pyrrhotite.	24.2	25.2	345	79	2450	630	-25	250	-50

			25.2	26.4	585	100	2450	705	-25	260	-50
		The interval is broken to very broken.	26.4	27.4	3000	145	10300	3350	-25	325	-50
			27.4	28.4	4310	150	18900	4040	-25	205	-50
		The contact with the next interval is sharp but broken and is possibly faulted.	28.4	29.3	3220	135	12100	2840	-25	260	-50
29.3	**45.4**	**VOLCANICLASTIC (50%) AND SILTSTONE (50%)**	29.3	30.3	120	46	2750	420	-25	200	-50

Light to dark grey and black siltstone (50%) and fine to medium grained lithic volcaniclastic (50%); bedding in the volcaniclastic is thick, in the siltstone thin; with sparse vuggy quartz as stringers and veinlets, trace crystalline pyrite on joints.

Bedding is irregular in part, some beds have been ruptured.
BCA at 31.3m = 70 degrees.
BCA at 33.8m = 80 degrees.
BCA at 40.4m = 85 degrees.
BCA at 42.9m = 80 degrees.

The interval is microfaulted.

The interval is broken to very broken.

END OF HOLE AT 45.4m

bhid	from	to	recovery	recovery
	m	m	m	%
MF31	0.0	3.0	3.0	100
MF31	3.0	5.5	2.5	100
MF31	5.5	8.3	2.6	93
MF31	8.3	11.3	2.6	87
MF31	11.3	14.5	2.4	75
MF31	14.5	17.5	2.7	90
MF31	17.5	20.0	2.5	100
MF31	20.0	23.0	2.8	93
MF31	23.0	25.8	2.8	100
MF31	25.8	29.2	3.4	100
MF31	29.2	32.0	2.8	100
MF31	32.0	34.8	2.8	100
MF31	34.8	37.7	2.9	100
MF31	37.7	40.8	2.9	94
MF31	40.8	43.9	3.1	100
MF31	43.9	45.4	1.5	100

END OF HOLE AT 45.4m

hole no MF32

			at	mag brg	AMG brg as read	AMG brg corrected	AMG brg as used	dip	comments
final depth	50.3	m	0	-	-	-	328.0	-45.5	Collar bearing and dip are as provided by surveyor.
			27	310.0	323.0	323.0	323.0	-47	All downhole bearings and dips were surveyed using a downhole camera.
east	366,426.23	AMG	50	308.0	321.0	321.0	321.0	-48	
north	5,367,768.18	AMG							
rl	208.80	m							

PQ
HQTT 0.0m to 50.3m
NQTT
NQ
NQTT

commenced 29 March 2004
completed 30 March 2004

logged by Mick McKeown

drilled by Almac Drilling

analyses by SGS

COMMENTS

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF32

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Ag ppm	Pt ppm	Pd ppm	Au ppm
0.00	**0.50**	**TOPSOIL**													
		Brown clayey topsoil.													
		The contact with the next interval is gradational - weathering.													
0.50	**25.20**	**VOLCANICLASTIC (50%) AND SILTSTONE (50%)**													
		Grey, light grey and dark grey, medium grained volcaniclastic and siltstone; with minor ironstaining on joints and fractures to 2.5m, sparse vuggy quartz as stringers, veinlets and veins.													
		The interval is microfaulted in part.													
		Beds in the volcaniclastic are <1m long, in the siltstone >1mm thick. BCA at 7.9m = 70 degrees. BCA at 15.0m = 85 degrees. BCA at 16.2m = 85 degrees.													
		The interval is extremely broken.													
		The contact with the next interval is gradational - colour.													
25.20	**29.00**	**CRIMSON VOLCANICLASTIC (50%) AND SILTSTONE (50%)**													
		As from 0.5m to 25.2m but crimson colour; with trace actinolite? along bedding.													
		BCA at 28.6m = 90 degrees.													
		The contact with the next interval is gradational - colour.													
29.00	**30.80**	**SILTSTONE**	29.8	30.8	105	38	1250	425	-25	130	-50	-5	2.3	-0.5	43
		Grey-green, cherty looking siltstone.													
		The interval is slightly vuggy.													
		The interval is extremely broken.													
		The contact with the next interval is sharp but broken, possibly faulted.													
30.80	**41.55**	**GABBRO**	30.8	31.8	325	82	2050	710	-25	180	-50	-5	-0.5	0.9	15
			31.8	32.8	255	73	2100	625	-25	140	-50	-5	-0.5	-0.5	5
		Green, brown and cream, medium grained gabbro with sparse slightly vuggy quartz as	32.8	33.8	350	73	3050	880	-25	120	-50	-5	8.7	10.9	9
		stringers and veinlets, sparse disseminated pyrite/pentlandite becoming more common	33.8	34.8	270	70	2450	620	-25	125	-50	-5	-0.5	1.4	3
		towards 41.55m.	34.8	35.8	305	68	2100	630	-25	140	-50	-5	-0.5	-0.5	13

			35.8	36.8	465	81	1950	655	-25	135	-50	-5	-0.5	0.7	1
		The interval is broken.	36.8	37.8	1430	94	5400	1790	-25	135	-50	-5	30.9	42.7	27
			37.8	38.8	5450	155	19300	6660	-25	125	-50	-5	148	200	124
		The contact with the next interval is sharp but broken, not faulted.	38.8	39.8	7710	185	24000	13200	-25	160	-50	-5	304	367	263
			39.8	40.8	4480	135	10400	6920	-25	135	-50	-5	108	145	93
			40.8	41.6	3200	125	8150	6310	-25	160	-50	-5	593	548	270
41.55	**42.30**	**MASSIVE SULPHIDE**	41.55	42.3	92000	1710	243000	45500	34	140	-50	7	904	1550	915
			42.3	43.3	290	52	1600	590	-25	110	-50	-5	7.1	5.7	14
		Massive pyrite/pentlandite/chalcopyrite with an accumulation of chalcopyrite near 41.55m and 42.30m.													
		The interval is slightly vuggy.													
		The interval is generally unbroken.													
		The contact with the next interval is sharp but irregular at a high angle to the core axis, not faulted.													
42.30	**50.30**	**SILTSTONE (90%) AND VOLCANICLASTIC (10%)**													
		Light grey to dark grey and green-grey siltstone (90%), spotted in part, and fine to medium grained volcaniclastic (10%); with sparse vuggy quartz as stringers and veinlets.													
		The interval is microfaulted in part.													
		Beds are generally thin. BCA at 43.8m = 80 degrees. BCA at 46.0m = 80 degrees.													
		The interval is very broken.													
		END OF HOLE AT 50.3m.													

bhid	from	to	recovery	recovery
	m	m	m	%
MF32	0.0	1.5	0.9	60
MF32	1.5	2.5	0.3	30
MF32	2.5	5.5	2.2	73
MF32	5.5	8.2	2.3	85
MF32	8.2	9.0	0.4	50
MF32	9.0	10.0	0.2	20
MF32	10.0	11.0	0.9	90
MF32	11.0	13.0	1.6	80
MF32	13.0	14.0	0.2	20
MF32	14.0	16.8	2.4	86
MF32	16.8	19.2	2.4	100
MF32	19.2	22.5	2.6	79
MF32	22.5	25.5	2.8	93
MF32	25.5	28.5	3.0	100
MF32	28.5	31.0	2.2	88
MF32	31.0	34.0	2.9	97
MF32	34.0	37.0	3.0	100
MF32	37.0	40.0	3.0	100
MF32	40.0	42.8	2.8	100
MF32	42.8	46.0	3.2	100
MF32	46.0	49.0	2.9	97
MF32	49.0	50.3	1.2	92

END OF HOLE AT 50.3m.

hole no MF33

			at	mag brg	AMG brg as read	AMG brg corrected	AMG brg as used	dip	comments
final depth	76.0	m	0	-	-	-	324.0	-60.5	Collar bearing and dip are as provided by surveyor.
			25	309.0	322.0	322.0	322.0	-62	All downhole bearings and dips were surveyed using a downhole camera.
east	366,428.62	AMG	50	311.0	324.0	324.0	324.0	-62.5	
north	5,367,767.65	AMG	75	308.0	321.0	321.0	321.0	-62	
rl	208.80	m							

PQ
HQTT 0.0m to 76.0m
NQTT
NQ
NQTT

commenced 31 March 2004
completed 2 April 2004

logged by Mick McKeown

drilled by Almac Drilling

analyses by SGS

COMMENTS

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF33

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Ag ppm
0.00	**0.30**	**TOPSOIL** Brown clayey topsoil. The interval is puggy. The contact with the next interval is gradational - weathering.										
0.30	**3.50**	**CLAYSTONE AND ROCK RUBBLE** Extremely broken, brown rock (rubble) and claystone (after rock); with common ironstaining on joints and fractures. The interval is extremely broken and puggy. The contact with the next interval is gradational - weathering.										
3.50	**6.90**	**VOLCANICLASTIC AND SILTSTONE** Weathered, grey and brown, fine to medium grained volcaniclastic and siltstone; The interval is extremely broken and puggy. The contact with the next interval is gradational - weathering.										
6.90	**10.80**	**VOLCANICLASTIC AND SILTSTONE** Light grey, dark grey and black, fine to medium grained volcaniclastic and siltstone; with sparse quartz as stringers. Beds in the volcaniclastic are <1m long, in the siltstone >1mm thick. BCA at 9.4m = 85 degrees. The interval is extremely broken. The contact with the next interval is gradational - weathering.										
10.80	**27.00**	**VOLCANICLASTIC AND SILTSTONE** As from 6.9m to 10.8m but weathered; with common ironstaining on joints and fractures and through the rockmass in part, sparse quartz as stringers. BCA at 15.4m = 60 degrees. The interval is extremely broken and puggy.										

		The contact with the next interval is gradational - colour.											
27.00	**34.00**	**CRIMSON VOLCANICLASTIC AND SILTSTONE**											
		Crimson, fine to medium grained volcaniclastic and siltstone; with sparse quartz as stringers and veinlets.											
		The interval is slightly vuggy in part.											
		Beds are ruptured.											
		The interval is very broken and extremely broken.											
		The contact with the next interval is gradational - colour.											
34.00	**35.80**	**VOLCANICLASTIC AND SILTSTONE**	34.8	35.8	100	39	1100	370	-25	145	-50	-5
		Green-grey, fine grained volcaniclastic and siltstone; with trace quartz as stringers.											
		The interval is slightly vuggy (water-worn) and spotted cream in part (hydrothermal effect of the gabbro?).											
		Beds in the volcaniclastic are <20cm long, in the siltstone >1mm thick.											
		The interval is very broken.											
		The contact with the next interval is sharp but broken, not faulted.											
35.80	**44.80**	**GABBRO**	35.8	36.8	255	67	24000	625	28	185	-50	-5
			36.8	37.8	135	54	3000	460	-25	190	-50	-5
		Mottled, green, black and cream, medium to coarse grained gabbro with chilled fine	37.8	38.8	245	69	2200	410	-25	170	-50	-5
		grained margin from 35.8m to 38.0m; with trace brown (ironstained) quartz as vuggy	38.8	39.8	280	74	2000	445	-25	225	-50	-5
		stringers and veinlets, trace crystalline pyrite associated with vughs in gabbro.	39.8	40.8	340	84	2300	400	-25	195	-50	-5
			40.8	41.8	305	79	2800	400	-25	235	-50	-5
		The interval is slightly vuggy (water-worn).	41.8	42.8	290	72	3000	445	195	180	-50	-5
			42.8	43.8	315	75	2250	410	70	210	-50	-5
		The interval is very broken and extremely broken.	43.8	44.8	470	86	1750	440	-25	185	-50	-5
		The contact with the next interval is sharp at 50 degrees to the core axis, not faulted.											
44.80	**59.20**	**VOLCANICLASTIC AND SILTSTONE**	44.8	45.8	105.0	47.0	5650	345	165	1750	-50	-5
		Light grey, grey-green, dark grey and black, medium grained volcaniclastic and siltstone with cherty appearance in part; with minor quartz as stringers, veinlets and veins, trace sulphides as occasional fine flecks (see assays); the siltstone is wispy and carbonaceous in part.											
		46.64m to 46.80m: vein at 65 degrees to the core axis. 46.64m to 46.67m: breccia and pug with sparse sulphides. 46.67m to 46.80m: mottled cream quartz vein with sparse brown sphalerite as flecks, minor sulphides aligned parallel to vein walls, sparse galena as flecks.											

The interval is slightly vuggy (water-worn).

Beds in the volcaniclastic are <1m long, in the siltstone >1mm thick.
Bedding is irregular.
BCA at 55.3m = 45 degrees.
BCA at 58.5m = 45 degrees.

The contact with the next interval is sharp and somewhat irregular at 30 degrees to the core axis: a fault.

59.20 64.00 VOLCANICLASTIC (50%) AND SILTSTONE (50%)

Grey and grey-pink, fine grained volcaniclastic and siltstone; with common quartz as stringers, veinlets and lace veining, trace chlorite and pyrite associated with quartz.

62.7m to 63.0m: protovein?: quartz veining in pink, fine grained volcaniclastic; volcaniclstic breccia in quartz matrix.

The interval is microfaulted in part.

The interval is very broken.

Bedding is ruptured.

The contact with the next interval is gradational - colour.

64.00 71.00 CRIMSON VOLCANICLASTIC (50%) AND SILTSTONE (50%)

As from 59.20m to 64.00m but crimson colour; with sparse quartz and calcite as stringers and veinlets, sparse chlorite as stringers.

BCA at 66.4m = 65 degrees.
BCA at 70.0m = 75 degrees.

The interval is generally unbroken.

The contact with the next interval is gradational - colour.

71.00 73.95 VOLCANICLASTIC (50%) AND SILTSTONE (50%)

As from 59.20m to 64.00m; with sparse quartz and calcite as stringers.

BCA is irregular.

The interval is broken.

The contact with the next interval is sharp at 70 degrees to the core axis, not faulted.

73.95 74.30 GABBRO

Green and black, medium grained gabbro with common bright green flecks and small patches (garnierite?).

The interval is broken.

The contact with the next interval is sharp and broken, probably faulted.

74.30 76.00 VOLCANICLASTIC (50%) AND SILTSTONE (50%)

Grey and brown, fine grained volcaniclastic and siltstone; with common quartz and dolomite as stringers, veinlets and lace veining, sparse sphalerite as flecks associated with quartz lace veining.

BCA is irregular.

The interval is very broken.

END OF HOLE AT 76.0m

bhid	from	to	recovery	recovery
	m	m	m	%
MF33	0.0	2.0	1.6	80
MF33	2.0	4.0	1.5	75
MF33	4.0	7.0	3.0	100
MF33	7.0	9.5	2.5	100
MF33	9.5	12.0	2.1	84
MF33	12.0	15.0	2.0	67
MF33	15.0	18.0	2.6	87
MF33	18.0	21.1	3.1	100
MF33	21.1	24.0	2.8	97
MF33	24.0	26.5	2.5	100
MF33	26.5	30.0	3.5	100
MF33	30.0	33.0	3.0	100
MF33	33.0	36.0	3.0	100
MF33	36.0	39.0	3.0	100
MF33	39.0	43.5	4.2	93
MF33	43.5	45.0	1.5	100
MF33	45.0	48.0	3.0	100
MF33	48.0	51.0	3.0	100

END OF HOLE AT 76.0m

hole no MF34

			at	mag brg	AMG brg as read	AMG brg corrected	AMG brg as used	dip	comments
final depth	48.0	m	0	-	-	-	323.0	-43	Collar bearing and dip are as provided by surveyor.
			42	310.0	323.0	323.0	323.0	-46.5	All downhole bearings and dips were surveyed using a downhole camera.
east	366,410.34	AMG							
north	5,367,770.93	AMG							
rl	208.70	m							

PQ
HQTT 0.0m to 48.0m
NQTT
NQ
NQTT

commenced 5 April 2004
completed 6 April 2004

logged by Mick McKeown

drilled by Almac Drilling

analyses by SGS

COMMENTS

COMPANY Allegiance Metals
PROJECT Avebury Project
HOLE NUMBER MF34

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Ag ppm	Pt ppm	Pd ppm	Au ppm
0.00	**0.50**	**TOPSOIL** Brown topsoil. The contact with the next interval is gradational - weathering.													
0.50	**23.30**	**VOLCANICLASTIC (80%) AND SILTSTONE (20%)** Light to dark grey, fine to medium grained volcaniclastic and siltstone; with minor, locally abundant, vuggy quartz as patches, stringers, veinlets and veins, sparse crystalline pyrite, trace black serpentine on some joints, minor ironstaining to 2.5m. 22.3m to 23.3m: extremely broken, quartz rich zone with common black mineral. The interval is microfaulted in part. Beds in the volcaniclastic are <4m long, in the siltstone >1mm thick. BCA at 2.8m = 85 degrees. BCA at 9.6m = 80 degrees. BCA at 12.1m = 80 degrees. BCA at 20.4m = 65 degrees. BCA at 23.1m = 80 degrees. The interval is extremely broken and puggy. The contact with the next interval is gradational - lithology, not faulted.	22.3	23.3	155	35	3050	165	78	225	-50	174	1.4	3.6	8
23.30	**32.80**	**GABBRO** Mottled green and cream, medium grained gabbro with minor ironstaining on joints to 25m, sparse quartz as stringers as stringers and veinlets, sparse black serpentine as patches up to 1cm across (minor serpentine from 26.7m to 27.8m). The interval is slightly vuggy (water-worn?) in part. The interval is very broken to extremely broken becoming very weathered and clayey over the last metre. The contact with the next interval is sharp but broken, probably faulted.	23.3	24.3	355	72	3150	235	62	270	-50	-5	1.3	1.9	8
			24.3	25.3	350	81	1650	130	38	215	-50	-5	-0.5	1.4	12
			25.3	26.3	310	73	1900	135	44	180	-50	-5	-0.5	1.6	13
			26.3	27.3	245	70	2250	125	32	345	-50	-5	-0.5	2.3	7
			27.3	28.3	470	69	2600	245	48	200	-50	-5	2.3	5.8	6
			28.3	29.3	300	76	2450	120	58	295	-50	-5	-0.5	-0.5	6
			29.3	30.3	435	83	1900	130	-25	190	-50	-5	-0.5	2	11
			30.3	31.3	605	87	2200	235	62	265	-50	-5	1	4.1	6
			31.3	32.8	6500	170	17700	13100	145	465	150	10	367	434	375
32.80	**34.60**	**FAULT?** Cream quartz and lesser serpentine rock (fault?) with sparse sulphides as small patches, trace bright green silicate (garnierite?) as fine flecks. The interval has a brecciated fabric.	32.8	33.8	4290	125	12300	6490	1190	4740	1240	232	164	178	173
			33.8	34.6	7140	175	19900	5370	2470	9720	1860	21	110	142	94

		The interval is broken to 33.8m and extremely broken and puggy from 33.8m to 34.6m. The contact with the next interval is sharp but broken, not faulted.													
34.60	**35.20**	**QUARTZ-SULPHIDE ROCK** Quartz-sulphide rock: vuggy quartz and sulphide including chalcopyrite and brown sphalerite: see assays. The interval is broken. This interval is continuous with the next.	34.6	35.2	36000	730	129000	30000	7790	46000	4440	83	283	550	237
35.20	**36.60**	**MASSIVE SULPHIDE** Massive sulphide including chalcopyrite as occasional flecks and stringers, sparse quartz as stringers associated with chalcopyrite in part. The sulphide is slightly vuggy. The interval is broken. The contact with the next interval is sharp but slightly irregular and concordant with bedding.	35.2	36.6	95500	1830	300000	39000	625	2090	1760	34	322	443	245
36.60	**48.00**	**VOLCANICLASTIC (80%), SILTSTONE (20%)** Light grey and much lesser tan-brown, fine to medium grained volcaniclastic and siltstone; with sparse vuggy quartz as stringers and veinlets. The interval has a microfaulted fabric and is slightly vuggy (due to weathering). Bedding is irregular in places, partly due to the presence of wispy, black, irregular silty bands; beds are generally thin. BCA at 38.2m = 80 degrees. BCA at 40.0m = 80 degrees. The interval is broken to extremely broken. **END OF HOLE AT 48.0m**	36.6	37.6	435	54	3450	175	170	1660	125	-5	7.7	6	20

bhid	from	to	recovery	recovery
	m	m	m	%
MF34	3.0	6.0	3.0	100
MF34	6.0	9.0	3.0	100
MF34	9.0	12.0	2.8	93
MF34	12.0	15.0	2.6	87
MF34	15.0	17.5	1.8	72
MF34	17.5	20.5	2.8	93
MF34	20.5	23.5	2.7	90
MF34	23.5	26.5	3.0	100
MF34	26.5	29.4	2.9	100
MF34	29.4	32.0	2.6	100
MF34	32.0	34.6	2.2	85
MF34	34.6	38.0	3.2	94
MF34	38.0	41.0	3.0	100
MF34	41.0	43.6	2.6	100
MF34	43.6	48.0	4.4	100

END OF HOLE AT 48.0m

hole no MF35

			at	mag brg	AMG brg as read	AMG brg corrected	AMG brg as used	dip	comments
final depth	112.5	m	0	-	-	-	324.0	-44	Collar bearing and dip are as provided by surveyor.
			20	309.0	322.0	322.0	322.0	-46	All downhole bearings and dips were surveyed using a downhole camera.
east	366,407.14	AMG	65	309.0	322.0	322.0	322.0	-47.5	
north	5,367,757.51	AMG	110	310.0	323.0	323.0	323.0	-47.5	
rl	208.30	m							

PQ
HQTT 0.0m to 112.5m
NQTT
NQ
NQTT

commenced 7 April 2004
completed 15 April 2004

logged by Mick McKeown

drilled by Almac Drilling

analyses by SGS

COMMENTS

COMPANY Allegiance Metals
PROJECT Avebury Project
HOLE NUMBER MF35

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
0.00	**0.30**	**TOPSOIL** Light brown topsoil. The contact with the next interval is gradational - weathering.									
0.30	**2.00**	**VOLCANICLASTIC** Medium grained volcaniclastic rubble. The contact with the next interval is gradational - weathering.									
2.00	**21.90**	**VOLCANICLASTIC (85%) AND SILTSTONE (15%)** Grey and black, medium grained volcaniclastic and siltstone; with trace crystalline pyrite on joints. The interval is microfaulted in part. Beds in the volcaniclastic are <5m long, in the siltstone >1mm thick. BCA at 7.0m = 85 degrees. BCA at 13.3m = 80 degrees. BCA at 19.5m = 75 degrees. The interval is extremely broken and rubbly. The contact with the next interval is sharp and slightly irregular at 90 degrees to the core axis.									
21.90	**32.65**	**POOR CORE RECOVERY AND FAULTS IN VOLCANICLASTIC AND SILTSTONE** 21.90m to 22.20m: fault: breccia and pug: clasts up to 2cm across in puggy matrix; includes 5cm fragment of country rock; FCA = 90 degrees. 22.20m to 25.00m: extremely broken; BCA at 22.8m = 80 degrees. 25.50m to 25.60m: fault?: 0.45m core loss; extremely broken. 25.50m to 25.60m: fault: breccia of clasts up to 1cm across in puggy matrix. 25.60m to 26.10m: extremely broken. 26.10m to 29.40m: fault?: sludge: clasts up to 5mm across in puggy matrix. Core loss of 2.3m from 25.5m to 29.5m. 29.40m to 30.30m: extremely broken. 30.30m to 30.40m: rubble. 30.40m to 30.70m: extremely broken. 30.70m to 30.95m: conformable siltstone with minor schorl? as crystals aligned along	30.7 31.0 31.7	31.0 31.7 32.7	390 200 60	81 66 44	70500 8000 2550	430 290 275	34 50 56	170 380 315	-50 -50 -50

		bedding, minor pyrite as flecks, minor incipient actinolite?; BCA at 30.9m = 80 degrees. 30.95m to 30.98m: fault: breccia of clasts up to 5mm across in puggy matrix; FCA = 80 degrees. 30.98m to 31.50m: very broken; BCA at 31.2m = 80 degrees. 31.50m to 31.65m: fault: breccia of clasts up to 2cm across in puggy matrix. 31.65m to 32.00m: extremely broken. 32.00m to 32.05m: fault: breccia of clasts up to 1cm across in puggy matrix. 32.05m to 32.65m: very broken.									
32.65	**35.50**	**GABBRO** Green and cream, fine to medium grained gabbro with sparse ironstained, milky quartz as stringers, sparse pyrite/pentlandite as fine flecks. The interval is very broken. The contact with the next interval is sharp - quartz content.	32.7 33.7 34.7	33.7 34.7 35.5	295 505 740	77 68 94	1750 2550 3050	420 705 810	-25 -25 72	270 245 750	-50 -50 145
35.50	**36.35**	**QUARTZ LEADER** Milky white, partly vuggy quartz with hydrothermally? brecciated fabric: quartz with dark green to black interstitial chlorite or actinolite; with sparse chalcopyrite and pyrite/pentlandite as fine flecks. The interval is very broken. The contact with the next interval is sharp at 70 degrees to the core axis, probably faulted.	35.5	36.4	285	21	2750	670	115	1180	195
36.35	**51.90**	**VOLCANICLASTIC (40%) AND SILTSTONE (60%)** Light green-grey and black, fine to medium grained volcaniclastic and siltstone; with trace crystalline pyrite on fractures, sparse vuggy quartz as stringers and veinlets, trace pyrrhotite? as disseminations and fine flecks. 50.0m to 51.9m: minor to common quartz veining. The interval is microfaulted in part and has a brecciated fabric due to soft sediment deformation. Beds in the volcaniclastic are generally <2m long, in the siltstone >1mm thick. Bedding is generally disrupted: wispy black siltstone beds have been completely ruptured. BCAs are very irregular. The interval is very broken and extremely broken. The contact with the next interval is sharp but broken.	36.4	37.4	125	56	10700	380	-25	460	-50
51.90	**52.10**	**SAND** Light brown, quartz-lithic sand.									

The contact with the next interval is sharp but broken.

52.10 54.05 VOLCANICLASTIC (60%) AND SILTSTONE (40%)

Light green-grey, green-grey and dark grey, fine to medium grained volcaniclastic and siltstone; with sparse quartz as vuggy stringers and veinlets.

BCA at 52.2m = 90 degrees (alignment of lithic fragments).

The interval is very broken.

The contact with the next interval is sharp but irregular.

54.05 55.10 PROTOVEIN

54.05m to 54.40m: fine grained volcaniclastic and cream and lesser white dolomite with growth rings, sparse red-brown sphalerite as small patches; slightly vuggy interval.
54.40m to 55.00m: horse of fine grained volcaniclastic and siltstone.
55.00m to 55.10m: broken dolomite vein as from 54.05m to 54.40m.

The interval is broken and extremely broken.

The contact with the next interval is sharp but broken.

55.10 58.90 VOLCANICLASTIC (60%) AND SILTSTONE (40%)

As from 52.10m to 54.05m with minor vuggy dolomite as stringers, veinlets and lace veining and sparse associated quartz.

Beds in the volcaniclastic are <1m long, in the siltstone >1mm thick.
BCA at 58.2m = 50 degrees.

The interval is broken.

The contact with the next interval is sharp - end of veining.

58.90 63.30 VOLCANICLASTIC (90%) AND SILTSTONE (10%)

As from 55.10m to 55.90m but lacking the veining.

Beds in the volcaniclastic are <1m long, in the siltstone >1mm thick.
BCA is obscure - bedding is ruptured.

The interval is very broken.

The contact with the next interval is sharp and faulted.

63.30 63.35 FAULT

Breccia of clasts up to 1cm across in a puggy matrix.

The contact with the next interval is sharp and faulted.

63.35	**64.05**	**VOLCANICLASTIC (70%) AND SILTSTONE (30%)**	63.9	64.9	85	33	2100	305	82	315	-50
		As from 55.90m to 63.30m.									
		BCA is obscure - bedding is ruptured.									
		The contact with the next interval is sharp at 50 degrees to the core axis; the last 30cm are spotted.									
64.05	**72.00**	**GABBRO**	64.9	66.0	290	67	1350	455	-25	205	-50
			66.0	67.0	265	64	1550	425	-25	180	-50
		Dark green-black, tan-cream and green-cream, medium grained gabbro with sparse	67.0	68.0	170	58	1950	415	-25	185	-50
		vuggy, white quartz and calcite as stringers and veinlets, trace axinite? (purple	68.0	69.0	165	59	2800	425	-25	200	-50
		crystals), sparse light green serpentine as stringers and veinlets, no obvious sulphides	69.0	70.0	275	62	1900	395	-25	170	-50
		(but see assays).	70.0	71.0	955	130	2000	495	-25	200	-50
			71.0	72.0	955	105	2400	575	-25	220	-50
		The interval is very broken.									
		The contact with the next interval is sharp but broken, faulted.									
72.00	**72.20**	**FAULT**	72.0	73.0	510	84	1600	465	-25	210	-50
		Breccia of gabbro clasts up to 2cm across in light green puggy matrix.									
		The contact with the next interval is sharp but broken, faulted.									
72.20	**77.50**	**GABBRO**	73.0	74.0	460	82	2650	460	-25	205	-50
			74.0	75.0	380	70	2050	460	-25	225	-50
		As from 64.05m to 72.00m.	75.0	76.0	310	67	1850	460	-25	205	-50
			76.0	77.5	315	68	1450	445	-25	205	-50
		The interval is generally unbroken.									
		The contact with the next interval is sharp, not faulted.									
77.50	**80.20**	**VOLCANICLASTIC (95%) AND SILTSTONE (5%): XENOLITH?**	77.5	78.5	96	60	3150	435	420	1430	-50
			78.5	80.2	93	58	5300	430	74	355	-50
		Green, fine to medium grained volcaniclastic and cherty looking siltstone; with sparse quartz and calcite as stringers, sparse pyrite/pentlandite as flecks.									
		The interval is microfaulted in part.									
		BCA is irregular.									
		The interval is broken.									
		The contact with the next interval is sharp but irregular, not faulted.									
80.20	**84.60**	**GABBRO**	80.2	81.0	290	72	1750	435	-25	215	-50
			81.0	82.0	330	61	1500	465	-25	195	-50
		Green-black, green and green-cream, medium grained gabbro as from 72.20m to 77.50m	82.0	83.0	270	59	1900	450	-25	180	-50
		with sparse quartz and calcite as stringers and veinlets, no obvious sulphides (but see	83.0	84.0	265	65	1950	435	-25	200	-50
		assays).	84.0	84.6	235	58	2350	425	-25	200	-50

		The interval is generally unbroken. The contact with the next interval is sharp at 25 degrees to the core axis, not faulted.										
84.60	**88.00**	**GABBRO (50%) AND ALTERED GABBRO (50%)** Gabbro as from 80.20m to 84.60m and brown-green, fine grained altered gabbro with dark green serpentine as stringers and lace veining; with sparse calcite and sphalerite as stringers and veinlets. The interval is generally unbroken. The contact with the next interval is sharp but irregular.	84.6	86.0	495	75	1550	485	-25	220	-50
			86.0	87.0	365	62	2650	450	-25	190	-50
			87.0	88.0	690	85	1500	465	-25	205	-50
88.00	**103.40**	**GABBRO** As from 80.20m to 84.60m with sparse pyrite/pentlandite as fine flecks, flecks and small patches (see assays), accumulated to 5mm true thickness on lower contact. The interval is generally unbroken. The contact with the next interval is sharp but irregular.	88.0	89.0	415	74	2250	465	-25	205	-50
			89.0	90.0	255	64	3400	460	-25	200	-50
			90.0	91.0	825	87	2050	600	-25	205	-50
			91.0	92.0	1640	135	2700	840	-25	220	-50
			92.0	93.0	1110	98	2650	725	-25	210	-50
			93.0	94.0	935	87	5900	720	-25	215	-50
			94.0	95.0	2790	165	9500	1440	-25	245	-50
			95.0	96.0	2620	125	9150	1640	-25	240	-50
			96.0	97.0	1320	100	3450	940	-25	220	-50
			97.0	98.0	1450	96	7450	1060	-25	215	-50
			98.0	99.0	1920	110	8600	1300	-25	215	-50
			99.0	100.0	675	78	3600	630	-25	230	-50
			100.0	101.0	385	77	2400	445	-25	205	-50
			101.0	102.0	335	70	1950	455	-25	210	-50
			102.0	103.0	340	70	2350	430	-25	205	-50
			103.0	103.4	315	72	6650	425	-25	220	-50
103.40	**105.75**	**VOLCANICLASTIC (95%) AND SILTSTONE (5%)** Grey, green-grey and light brown, fine to medium grained volcaniclastic and siltstone; with minor quartz and dolomite as stringers, veinlets and veins. 104.50m to 104.60m: quartz dolomite vein with common pyrite/pentlandite? as flecks and stringers, 9cm true thickness, VCA = 60 degrees. The interval is microfaulted in part. Beds in the volcaniclastic are <1m long, in the siltstone >1mm thick. BCA is irregular. The interval is generally unbroken. The contact with the next interval is gradational - colour.	103.4	104.5	93	53	2250	405	-25	240	-50
			104.5	104.6	76	40	43000	1250	110	720	60
105.75	**108.80**	**CRIMSON VOLCANICLASTIC (95%) AND SILTSTONE (5%)** As from 103.40m to 105.75m but crimson to grey in colour. Beds in the volcaniclastic are <1m long, in the siltstone >1mm thick.									

BCA is irregular.

The interval is generally unbroken.

The contact with the next interval is gradational - colour.

108.80 112.50 VOLCANICLASTIC (5%) AND SILTSTONE (95%)

Green and green-grey, fine grained volcaniclastic and cherty looking siltstone; with sparse pyrite as crystals up to 1mm across scattered along bedding, sparse quartz as blebs along bedding, sparse calcite as stringers; a pink quartz pebble 5cm X 2cm occurs at 111.0m.

BCA at 110.0m = 70 degrees.

The interval is broken.

END OF HOLE AT 112.5m

bhid	from	to	recovery	recovery
	m	m	m	%
MF35	0.0	2.0	1.5	75
MF35	2.0	4.0	1.8	90
MF35	4.0	5.0	0.1	10
MF35	5.0	6.0	0.7	70
MF35	6.0	9.0	2.5	83
MF35	9.0	11.5	2.1	84
MF35	11.5	13.5	2.0	100
MF35	13.5	15.7	2.2	100
MF35	15.7	17.2	1.2	80
MF35	17.2	19.8	2.0	77
MF35	19.8	21.5	1.7	100
MF35	21.5	23.1	1.6	100
MF35	23.1	24.1	0.6	60
MF35	24.1	25.0	0.7	78
MF35	25.0	25.5	0.1	20
MF35	25.5	26.5	0.9	90
MF35	26.5	29.5	0.8	27
MF35	29.5	31.4	2.0	105
MF35	31.4	32.6	1.2	100
MF35	32.6	34.8	2.2	100
MF35	34.8	37.0	2.2	100
MF35	37.0	38.5	1.5	100
MF35	38.5	41.0	2.5	100
MF35	41.0	44.0	3.0	100
MF35	44.0	47.0	3.0	100
MF35	47.0	48.0	1.0	100
MF35	48.0	50.5	2.5	100
MF35	50.5	51.5	1.0	100
MF35	51.5	53.0	1.4	93
MF35	53.0	56.5	3.5	100
MF35	56.5	59.5	3.0	100
MF35	59.5	62.0	2.5	100
MF35	62.0	63.0	1.0	100
MF35	63.0	65.5	2.5	100
MF35	65.5	68.5	3.0	100
MF35	68.5	71.5	3.0	100
MF35	71.5	74.5	3.0	100
MF35	74.5	77.5	3.0	100
MF35	77.5	80.5	3.0	100
MF35	80.5	82.5	2.0	100
MF35	82.5	85.5	3.0	100
MF35	85.5	88.5	3.0	100
MF35	88.5	91.5	3.0	100
MF35	91.5	94.5	3.0	100
MF35	94.5	97.5	3.0	100
MF35	97.5	100.5	3.0	100
MF35	100.5	103.5	3.0	100
MF35	103.5	106.5	3.0	100
MF35	106.5	109.5	3.0	100
MF35	109.5	112.5	3.0	100

END OF HOLE AT 112.5m

hole no MF36

			at	mag brg	AMG brg as read	AMG brg corrected	AMG brg as used	dip	comments
final depth	48.7	m	0	-	-	-	*325.0*	*-45*	Collar bearing and dip are as provided by surveyor.
			30	312.0	325.0	325.0	325.0	-46	All downhole bearings and dips were surveyed using a downhole camera
east	366,386.70	AMG							
north	5,367,763.90	AMG							
rl	207.70	m							

PQ
HQTT 0.0m to 48.7m
NQTT
NQ
NQTT

commenced 16 April 2004
completed 19 April 2004

logged by Mick McKeown

drilled by Almac Drilling

analyses by SGS

COMMENTS

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF36

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Ag ppm	Pt ppm	Pd ppm	Au ppm
0.00	**0.30**	**TOPSOIL** Red-brown topsoil. The contact with the next interval is gradational - weathering.													
0.30	**5.30**	**WEATHERED ROCK AND CLAYSTONE** Grey and green, extremely weathered rock and claystone after rock including sludge and significant core losses. The interval is puggy. The contact with the next interval is sharp but irregular.													
5.30	**13.30**	**VOLCANICLASTIC (50%) AND SILTSTONE (50%)** GRITS Grey and green, fine to medium grained volcaniclastic and siltstone including puggy zones and significant core losses see core recoveries). 6.70m to 6.82m: pug zone: clasts up to 1cm across in puggy matrix. 7.60m to 7.80m: pug zone: clasts up to 1cm across in puggy matrix. Beds in the volcaniclastic are <1m long, in the siltstone >1mm thick. BCA at 8.6m = 80 degrees. The interval is extremely broken and puggy. The contact with the next interval is gradational - colour.													
13.30	**16.00**	**CRIMSON VOLCANICLASTIC (50%) AND SILTSTONE (50%)** As from 5.30m to 13.30m but crimson in colour. BCA is obscure - broken core. The interval is extremely broken and puggy. The contact with the next interval is gradational - colour.													
16.00	**17.90**	**VOLCANICLASTIC (50%) AND SILTSTONE (50%)** As from 13.30m to 16.00m but grey to brown in colour with trace quartz as stringers.													

		The interval is very broken.													
		The contact with the next interval is sharp but broken.													
17.90	**20.20**	**CAVITY: VUGH?**													
		Cavity, perhaps a vugh - see next interval. Zero core recovery; driller reported cavity.													
		The contact with the next interval is sharp but broken.													
20.20	**20.30**	**QUARTZ VEIN**	20.2	20.4	310	39	15200	485	56500	6500	90	66	-2	-2	5
		Quartz vein (originally quartz-dolomite vein?) with minor crystalline sphalerite and galena.													
		The interval is rubbly.													
		The contact with the next interval is sharp but broken.													
20.30	**20.35**	**PUG**													
		Grey-brown pug.													
		The contact with the next interval is sharp but broken, probably not faulted.													
20.35	**28.60**	**GABBRO**	20.35	21.6	465	80	2200	600	260	1090	-50	-5	-2	-2	3
			21.6	22.6	390	78	2400	595	30	290	-50	-5	-2	-2	2
		Dark green, green, ream and brown, fine to medium grained gabbro with sparse quartz as	22.6	23.6	460	78	3000	640	-25	260	-50	-5	-2	2	3
		stringers and veinlets, trace disseminated pyrite/pentlandite.	23.6	24.6	460	79	2600	555	-25	300	-50	-5	-2	-2	2
			24.6	25.6	1700	110	4700	1850	-25	470	-50	-5	38	47	32
		The interval is very broken and extremely broken.	25.6	26.6	5820	150	20000	13900	54	425	-50	-5	385	432	513
			26.6	27.6	5810	145	18600	13400	-25	385	-50	-5	374	428	451
		The contact with the next interval is sharp but irregular, not faulted.	27.6	28.6	3670	140	10000	4710	-25	370	-50	-5	122	146	135
28.60	**28.80**	**MASSIVE SULPHIDE**	28.6	28.8	91500	1710	285000	10200	32	230	-50	-5	626	1001	200
		Massive pyrite/pentlandite with sparse chalcopyrite as flecks.													
		The interval is very slightly vuggy.													
		The contact with the next interval is sharp at 65 degrees to the core axis, not faulted.													
28.80	**36.80**	**VOLCANICLASTIC (50%) AND SILTSTONE (50%)**	28.8	29.8	985	68	3550	555	-25	250	-50	-5	8	11	12
		Grey to black, fine grained volcaniclastic and siltstone; with sparse ironstaining on joints.													
		The interval is microfaulted in part.													

Beds in the volcaniclastic are <10cm long, in the siltstone >1mm thick.
BCA at 30.3m = 85 degrees.
BCA at 32.9m = 70 degrees.

The interval is very broken and extremely broken.

The contact with the next interval is sharp but irregular.

36.80 48.70 VOLCANICLASTIC (80%) AND SILTSTONE (20%)

Grey-green and grey to black, fine to medium grained volcaniclastic and siltstone; with trace serpentine on joints, minor, slightly vuggy quartz as blebs, stringers and veinlets.

The interval is microfaulted in part and slightly vuggy (water-worn) throughout.

Beds in the volcaniclastic are <2m long, in the siltstone >1mm thick.
BCA at 43.3m = 80 degrees.
BCA at 48.4m = 50 degrees.

The interval is very broken and extremely broken.

END OF HOLE AT 48.7m

bhid	from	to	recovery	recovery
	m	m	m	%
MF36	0.0	2.0	1.4	70
MF36	2.0	3.0	0.3	30
MF36	3.0	5.8	1.9	68
MF36	5.8	6.7	0.2	22
MF36	6.7	7.6	0.9	100
MF36	7.6	9.0	1.0	71
MF36	9.0	10.0	0.8	80
MF36	10.0	11.0	0.3	30
MF36	11.0	11.5	0.0	0
MF36	11.5	12.5	0.6	60
MF36	12.5	14.2	1.7	100
MF36	14.2	15.0	0.8	100
MF36	15.0	16.2	1.2	100
MF36	16.2	17.6	1.4	100
MF36	17.6	17.9	0.3	100
MF36	17.9	20.2	0.0	0
MF36	20.2	21.0	0.8	100
MF36	21.0	24.0	3.0	100
MF36	24.0	26.8	2.8	100
MF36	26.8	28.4	1.6	100
MF36	28.4	30.0	1.6	100
MF36	30.0	31.3	1.3	100
MF36	31.3	32.5	0.9	75
MF36	32.5	34.5	1.8	90
MF36	34.5	36.0	1.5	100
MF36	36.0	38.8	2.5	89
MF36	38.8	40.0	1.0	83
MF36	40.0	42.2	2.1	95
MF36	42.2	45.0	2.8	100
MF36	45.0	48.0	3.0	100
MF36	48.0	48.7	0.7	100

END OF HOLE AT 48.7m

hole no MF37

			at	mag brg	AMG brg as read	AMG brg corrected	AMG brg as used	dip	comments
final depth	36.9	m	0	-	-	-	328.6	-65	Collar bearing and dip are as provided by surveyor.
			33	315.0	328.0	328.0	328.0	-66.5	All downhole bearings and dips were surveyed using a downhole camera.
east	366,387.15	AMG							
north	5,367,763.16	AMG							
rl	207.70	m							

PQ
HQTT 0.0m to 36.9m
NQTT
NQ
NQTT

commenced 21 April 2004
completed 22 April 2004

logged by Mick McKeown

drilled by Almac Drilling

analyses by SGS

COMMENTS

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF37

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
0.0	**0.3**	**TOPSOIL**									
		Red-brown clayey topsoil									
		Contact with the next interval is gradational.									
0.3	**3.9**	**VERY WEATHERED ROCK**									
		Very weathered, grey rock and claystone (after rock).									
		Interval is extremely broken to rubbly.									
		Contact with the next interval is sharp but broken: next interval is sludge.									
3.9	**5.9**	**SLUDGE**									
		Sludge.									
		Contact with the next interval is sharp but broken: this interval is sludge.									
5.9	**14.0**	**VOLCANICLASTIC, SILTSTONE AND CLAYSTONE (AFTER ROCK)**									
		Very weathered grey and green-grey volcaniclastic and siltstone and claystone (after rock); with sparse crystalline pyrite as fine crystals.									
		BCA at 12.0m is 70 degrees.									
		The interval is extremely broken to rubbly and puggy. 10.5m to 10.7m: caved material recovered.									
		The contact with the next interval is gradational - colour.									
14.0	**15.8**	**VOLCANICLASTIC (50%) AND SILTSTONE (50%)**									
		Crimson, fine grained volcaniclastic (50%) and siltstone (50%).									
		The siltstone is thinly bedded (down to <1cm), the volcaniclastic more thickly bedded (up to >0.5m). BCA at 14.7m is 70 degrees.									
		The interval is very broken.									
		The contact with the next interval is gradational - colour.									
15.8	**20.9**	**VOLCANICLASTIC (50%) AND SILTSTONE (50%)**	20.5	20.9	215	59	-2550	770	50	300	-50

		Green-grey fine grained volcaniclastic (50%) and siltstone (50%). The siltstone is thinly bedded (down to <1cm), the volcaniclastic more thickly bedded (up to >0.5m). BCA at 18.1m is 65 degrees. The interval is very broken to extremely broken. The contact with the next interval is broken but not apparently faulted.										
20.9	**24.95**	**GABBRO** Green, brown and white fine to medium grained gabbro; with sparse quartz as stringers, slight ironstaining over last 50cm. The interval is broken to very broken. The contact with the next interval is sharp and faulted.	20.9 21.9 22.9 23.9	21.9 22.9 23.9 25.2	460 1150 300 690	80 80 72 81	-2550 4000 3000 5000	820 1500 655 870	-25 -25 -25 550	275 235 205 3240	-50 -50 -50 185
24.95	**25.20**	**FAULT?** Fault?: brecciated gabbro with interstitial quartz and gabbro pug; with common bright green mineral (nickel silicate?) and sparse pyrrhotite/pentlandite as fine crystals. The interval is extremely broken to puggy. The contact with the next interval is sharp and faulted.										
25.20	**27.80**	**GABBRO** Dark green, bright green (nickel silicate?), black, brown and cream, medium grained gabbro; with sparse quartz as stringers, veinlets and veins. 26.49m to 26.55m: vein: vuggy (dolomite weathered away?) quartz vein with minor sphalerite and galena as small crystals. The interval is broken to very broken. The contact with the next interval is	25.2 26.5	26.5 27.8	710 8220	85 220	4000 24000	870 11800	625 2880	2270 7310	195 955
27.80	**36.9**	**VOLCANICLASTIC AND SILTSTONE** Grey, green-grey and dark grey, fine grained volcaniclastic and siltstone, weathered to claystone over narrow bands (<20cm long); with sparse quartz as blebs, stringers, veinlets and veins. 27.85m to 27.95m: quartz-dolomite vein with common galena and sphalerite as small crystals; vuggy; 8cm true thickness, VCA 80 degrees. The interval has a brecciated/slumped fabric in part. BCA is irregular. The interval is broken, very broken, extremely broken, rubbly and puggy.	27.8	28.8	600	70	21000	1240	3600	4900	-50

END OF HOLE AT 36.9m

bhid	from	to	recovery	recovery
	m	m	m	%
MF37	0.0	2.0	1.5	75
MF37	2.0	3.0	0.8	80
MF37	3.0	3.4	0.2	50
MF37	3.4	3.9	0.5	100
MF37	3.9	4.7	0.0	0
MF37	4.7	5.5	0.1	13
MF37	5.5	6.1	0.6	100
MF37	6.1	7.1	1.0	100
MF37	7.1	8.2	1.0	91
MF37	8.2	10.5	1.3	57
MF37	10.5	11.2	0.4	57
MF37	11.2	12.2	1.0	100
MF37	12.2	13.3	1.0	91
MF37	13.3	14.2	0.8	89
MF37	14.2	17.5	3.3	100
MF37	17.5	19.2	1.7	100
MF37	19.2	19.8	0.6	100
MF37	19.8	20.5	0.2	29
MF37	20.5	22.2	1.7	100
MF37	22.2	23.5	1.3	100
MF37	23.5	26.5	3.0	100
MF37	26.5	27.5	1.0	100
MF37	27.5	28.5	1.0	100
MF37	28.5	29.5	0.9	90
MF37	29.5	32.5	3.0	100
MF37	32.5	35.2	2.7	100
MF37	35.2	36.9	1.7	100

END OF HOLE AT 36.9

hole no MF38

			at	mag brg	AMG brg as read	AMG brg corrected	AMG brg as used	dip	comments
final depth	26.0	m	0	-	-	-	323.0	-44	collar bearing and dip are as provided by surveyor
			26	306.0	319.0	319.0	319.0	-46	All downhole bearings and dips were surveyed using a downhole camera.
east	366,411.50	AMG							
north	5,367,786.50	AMG							
rl	210.20	m							

PQ
HQTT 0.0m to 26.0m
NQTT
NQ
NQTT

commenced 22 April 2004
completed 23 April 2004

logged by Mick McKeown

drilled by Almac Drilling Pty Ltd

analyses by SGS

COMMENTS

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF38

from m	to m	DESCRIPTION	from m	to m	Ni %	S %	Cu %	Co ppm	Zn ppm	Pb ppm	As ppm	Ag ppm	Au ppb	Pt ppb	Pd ppb
0.0	**1.5**	**TOPSOIL AND CLAYSTONE**													
		Brown clayey topsoil and claystone (after volcaniclastic).													
		The interval is puggy and extremely broken.													
		The contact with the next interval is sharp but broken.													
1.5	**9.3**	**VOLCANICLASTIC (50%) AND SILTSTONE (50%)**													
		Light grey, dark grey and black, medium grained volcaniclastic (50%) and siltstone (50%) and siltstone (50%); with common ironstaining on joints and fractures.													
		7.70m to 7.78m: puggy zone: grey fragments in grey pug: drilled out caved zone.													
		Bedding in the volcaniclastic is thick, in the siltstone thin. BCA at 3.8m = 70 degrees. BCA at 4.6m = 75 degrees.													
		The interval is extremely broken and puggy.													
		The contact with the next interval is sharp - colour change - at 70 degrees to the core axis.													
9.3	**12.6**	**CRIMSON VOLCANICLASTIC (50%) AND SILTSTONE (50%)**													
		As from 1.5m to 9.3m but crimson colour; with sparse actinolite? As stringers, common ironstaining on joints and fractures.													
		The interval is extremely broken.													
		The contact with the next interval is gradational - colour.													
12.6	**15.5**	**CLAYSTONE**	14.5	15.5	0.04	0.21	0.06	44	430	38	<50	<5	5	8	16
		Light grey to brown claystone (after rock) claystone (after rock) from 19.3m with core loss in this rock with common ironstaining on joints and fractures. BCA at 14.0m = 70 degrees.													
		The interval is extremely broken and puggy.													
		The contact with the next interval is sharp but broken, possibly faulted.													
15.5	**18.9**	**GABBRO**	15.5	16.5	0.03	0.19	0.06	61	420	32	<50	<5	3	<2	<2
			16.5	17.5	0.03	0.15	0.06	69	385	0	<50	<5	4	<2	<2

		Green, grey-green and cream, fine grained gabbro and red-brown (ironstained) gabbro; with common ironstaining on joints and fractures, sparse quartz as small patches, stringers and veinlets. The interval is very broken and extremely broken. The contact with the next interval is sharp at 70 degrees to the core axis.	17.5	18.9	0.17	0.27	0.19	86	360	38	<50	<5	7	54	69
18.9	**19.0**	**QUARTZ LEADER?** Vuggy quartz (leader?) with sparse pyrite/pentlandite, sparse serpentinite. The interval is extremely broken. The contact with the next interval is sharp but broken.	18.9	19.7	11.5	40.4	4.35	1760	900	74	<50	6	1228	949	3196
19.0	**19.7**	**MASSIVE SULPHIDE** Massive pyrite/pentlandite with common chalcopyrite as small patches. The interval is very broken. The contact with the next interval is sharp but broken; probably not faulted.													
19.7	**26.0**	**VOLCANICLASTIC (50%) AND SILTSTONE (50%)** Light grey, green-grey, dark grey and black, fine to medium grained volcaniclastic (50%) and siltstone (50%). The interval is slightly vuggy in part. The interval is thinly bedded. BCA at 21.2m= 70 degrees. BCA at 23.2m = 60 degrees. The interval is very broken and extremely broken. **END OF HOLE AT 26.0m**	19.7	20.7	0.1	0.4	0.071	58	355	<25	<50	<5	19	9	23

bhid	from	to	recovery	recovery
	m	m	m	%
MF38	0.0	3.0	2.3	77
MF38	3.0	6.0	2.7	90
MF38	6.0	9.0	2.4	80
MF38	9.0	11.8	2.8	100
MF38	11.8	14.1	2.3	100
MF38	14.1	16.2	1.0	48
MF38	16.2	18.0	1.3	72
MF38	18.0	19.6	1.6	100
MF38	19.6	21.1	1.5	100
MF38	21.1	22.8	1.7	100
MF38	22.8	25.0	2.0	91
MF38	25.0	26.0	1.0	100

END OF HOLE AT 26.0m

hole no MF39

			at	mag brg	AMG brg as read	AMG brg corrected	AMG brg as used	dip	comments
final depth	24.0	m	0	-	-	-	322.0	-45	Collar bearing and dip are as provided by surveyor.
			24	305.0	318.0	318.0	318.0	-46	All downhole bearings and dips were surveyed using a downhole camera.
east	366,400.10	AMG							
north	5,367,783.50	AMG							
rl	209.80	m							

PQ
HQTT 0.0m to 24.0m
NQTT
NQ
NQTT

commenced 26 April 2004
completed 27 April 2004

logged by Mick McKeown

drilled by Almac Drilling

analyses by SGS

COMMENTS

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF39

from m	to m	description	from m	to m	Ni %	S %	Cu %	Co ppm	Zn ppm	Pb ppm	As ppm	Ag ppm	Au ppb	Pt ppb	Pd ppb
0.0	**0.4**	**TOPSOIL**													
		Light brown topsoil.													
		The interval is puggy.													
		The contact with the next interval is gradational- weathering.													
0.4	**2.0**	**CLAY AND CLAYSTONE**													
		Light brown clay and claystone (after rock).													
		The interval is extremely broken and puggy.													
		The contact with the next interval is gradational- weathering.													
2.0	**2.8**	**VOLCANICLASTIC AND SILTSTONE**													
		Extremely weathered, grey volcaniclastic and siltstone with abundant ironstaining on joints and fractures.													
		The interval is extremely broken and puggy.													
		The contact with the next interval is gradational- weathering.													
2.8	**11.0**	**VOLCANICLASTIC (50%) AND SILTSTONE (50%)**	10.00	11.00	0.02	0.13	0.05	35	400	28	-50	<5	3	4	8
		Light grey, grey-green and brown, fine to medium grained volcaniclastic (50) and siltstone (50%); with common ironstaining on joints and fractures.													
		9.8m to 10.0m: puggy zone: brown rock fragments in pug.													
		BCA at 6.0m = 70 degrees.													
		The interval is extremely broken.													
		The contact with the next interval is sharp but broken, probably not faulted.													
11.0	**15.8**	**GABBRO**	11.00	12.00	0.03	0.15	0.07	66	425	42	-50	-5	2	-2	-2
			12.00	13.00	0.03	0.22	0.06	66	405	0	-50	-5	2	-2	-2
		Green-grey and much lesser brown (weathered), fine to medium grained gabbro; with sparse pyrite/pentlandite as flecks, more common from 14.0m to 15.8m.	13.00	14.00	0.05	0.15	0.07	56	560	225	330	-5	7	15	18
			14.00	15.00	0.52	1.66	1.07	165	1920	780	1640	43	370	354	424
			15.00	15.80	0.56	2.05	0.50	170	445	120	55	-5	124	116	162
		The interval is very broken and extremely broken.													
		The contact with the next interval is sharp but broken, not faulted.													

15.8	**16.1**	**MASSIVE SULPHIDE**	15.80	16.10	9.75	39.80	7.75	1450	310	115	-50	14	451	504	372
		Massive pyrite/pentlandite with common chalcopyrite as small patches.													
		The interval is slightly vuggy.													
		The interval is extremely broken.													
		The contact with the next interval is broken, not faulted.													
16.1	**16.9**	**GABBRO**	16.10	16.90	0.57	2.25	1.09	195	510	250	-50	-5	85	91	125
		Grey green, fine grained gabbro with sparse pyrite/pentlandite as flecks.													
		The interval is extremely broken.													
		The contact with the next interval is sharp but broken.													
16.9	**24.0**	**VOLCANICLASTIC AND SILTSTONE**	16.90	17.90	0.06	0.34	0.08	62	455	-25	-50	-5	14	4	6
		Grey, fine to medium grained volcaniclastic and siltstone.													
		BCA at 18.5m = 70 degrees. BCA at 20.2m = 65 degrees.													
		The interval is very broken and extremely broken.													
		END OF HOLE AT 24.0m													

bhid	from	to	recovery	recovery
	m	m	m	%
MF39	0.0	3.0	2.7	90
MF39	3.0	5.7	2.7	100
MF39	5.7	9.0	2.5	76
MF39	9.0	10.0	0.5	50
MF39	10.0	11.0	1.0	100
MF39	11.0	12.0	3.0	300
MF39	12.0	15.0	3.0	100
MF39	15.0	16.1	1.1	100
MF39	16.1	17.6	1.5	100
MF39	17.6	19.4	1.8	100
MF39	19.4	21.0	1.6	100
MF39	21.0	24.0	3.0	100

END OF HOLE AT 24.0m

hole no MF40

			at	mag brg	AMG brg as read	AMG brg corrected	AMG brg as used	dip	comments
final depth	83.3	m	0	-	-	-	327.0	-42	Collar bearing and dip are as provided by surveyor.
			34	305.0	318.0	318.0	324.0	-46	All downhole bearings and dips were surveyed using a downhole camera.
east	366,367.30	AMG	80	307.0	320.0	320.0	320.0	-46.5	
north	5,367,765.90	AMG							
rl	207.10	m							

PQ
HQTT 0.0m to 83.3m
NQTT
NQ
NQTT

commenced 3 March 2004
completed 7 March 2004

logged by Mick McKeown

drilled by Almac Drilling

analyses by SGS

COMMENTS

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF40

from m	to m	description	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
0.0	**0.3**	**TOPSOIL**									
		Red-brown topsoil.									
		The interval is puggy.									
		The contact with the next interval is gradational - weathering.									
0.3	**6.1**	**CRIMSON SILTSTONE AND VOLCANICLASTIC**									
		Crimson siltstone and volcaniclastic with trace ironstaining on joints and fractures.									
		Beds in the volcaniclastic are up to 0.5m thick, in the siltstone down to 2mm thick.									
		BCA at 3.8m = 70 degrees.									
		The interval is very broken and extremely broken.									
		The contact with the next interval is gradational - lithology.									
6.1	**9.5**	**GABBRO**	7.0	8.3	340	48	850	295	-25	255	-50
			8.3	9.5	365	72	9400	315	-25	205	-50
		Grey-cream, extremely weathered volcaniclastic and siltstone with sparse ironstaining on joints and fractures.									
		The interval is slightly vuggy.									
		BCA at 9.4m = 75 degrees.									
		The interval is extremely broken.									
		The contact with the next interval is sharp but broken.									
9.5	**11.7**	**GABBRO**	9.5	10.5	505	74	2150	140	-25	355	-50
			10.5	11.7	1070	91	2600	550	-25	290	-50
		Cream, brown and dark green, fine to medium grained gabbro with sparse ironstaining on joints and fractures, sparse quartz as stringers.									
		The interval is very broken.									
		The contact with the next interval is gradational - mineralisation.									
11.7	**13.5**	**GABBRO**	11.7	12.5	1730	105	4250	1040	-25	350	-50
			12.5	13.5	4890	165	16300	3620	-25	260	-50
		As from 9.5m to 11.7m but coarser and darker (sulphide? - see assays).									

		The interval is very broken. The contact with the next interval is gradational - mineralisation.									
13.5	**16.0**	**GABBRO** As from 9.5m to 11.7m but tending to pug in part. The interval is extremely broken and puggy. The contact with the next interval is sharp but broken.	13.5 14.5	14.5 16.0	3870 4320	160 150	11500 12600	2560 5130	270 28	865 370	-50 -50
16.0	**16.5**	**GABBRO** Dark gabbro as from 13.5m to 16.0m with massive pyrite/pentlandite layered with vuggy, crystalline quartz on lower contact for 10cm, layering at 20 to 50 degrees to the core axis. The interval is extremely broken. The contact with the next interval is sharp but irregular, probably not faulted.	16.0	16.5	2400	320	26000	1960	36	310	-50
16.5	**37.4**	**VOLCANICLASTIC (70%) AND SILTSTONE (30%)** Light green-grey, dark grey and black, fine to medium grained volcaniclastic (70%) and siltstone (30%); with trace disseminated pyrite, trace ironstaining on joints and fractures, trace quartz as stringers. The interval is microfaulted and slightly vuggy. Beds in the volcaniclastic are up to 0.5m thick, in the siltstone down to 2mm thick. BCA at 20.1m= 85 degrees. BCA at 21.5m = 75 degrees. BCA at 23.3m = 90 degrees. BCA at 28.2m = 70 degrees. BCA at 30.6m = 80 degrees. BCA at 35.8m = 65 degrees. BCA at 36.2m = 55 degrees. The interval is very broken and extremely broken, locally puggy; note total core loss from 18.3m to 18.8m. The contact with the next interval is sharp but irregular.	16.5	17.5	290	62	950	26	-25	290	-50
37.4	**39.0**	**VOLCANICLASTIC (60%) AND SILTSTONE (40%): FAULT?** Dark green-grey, fine to medium grained volcaniclastic (60%) and black siltstone (40%); with minor quartz as vuggy stringers, trace disseminated sulphides (see assays). The interval has a brecciate fabric: fault? BCA is obscure: bedding has been destroyed	37.4	39.0	245	59	1900	130	86	975	-50

		The interval is extremely broken and rubbly. The contact with the next interval is sharp but broken, possibly faulted.									
39.0	**39.4**	**QUARTZ VEIN** Milky white, vuggy quartz vein and common included green-grey, fine grained volcaniclastic; with sparse pyrite/pentlandite as fine flecks, sparse pale brown sphalerite as stringers. The interval is broken. The contact with the next interval is sharp but irregular.	39.0	40.4	280	61	1050	175	100	280	-50
39.4	**40.4**	**VOLCANICLASTIC AND SILTSTONE** Light grey, fine grained volcaniclastic and siltstone; with minor quartz as stringers, veinlets and veins. The interval has a brecciated fabric and is slightly vuggy. BCA is obscure: bedding has been destroyed The interval is extremely broken. The contact with the next interval is sharp but broken and puggy due to weathering, probably not faulted.									
40.4	**41.1**	**GABBRO** Olive green and dark grey, weathered, medium grained gabbro. The interval is extremely broken and puggy. The contact with the next interval is sharp but irregular, not faulted.	40.4 41.1 42.8 43.8 44.8 45.8	41.1 42.8 43.8 44.8 45.8 46.5	875 270 360 455 650 560	82 74 85 80 92 73	-250 1400 950 950 400 350	225 84 105 100 110 320	62 -25 36 395 195 3690	1420 405 310 1130 3680 3770	-50 -50 -50 -50 -50 -50
41.1	**45.8**	**GABBRO** Black, green-grey and cream, medium grained gabbro with minor ironstaining on joints and fractures, sparse quartz as veinlets and veins, trace pink sphalerite? As disseminations, for example, at 41.5m. The interval is very broken and extremely broken. The contact with the next interval is sharp but broken, not faulted.	41.1 42.8 43.8 44.8 45.8	42.8 43.8 44.8 45.8 46.5	270 360 455 650 560	74 85 80 92 73	1400 950 950 400 350	84 105 100 110 320	-25 36 395 195 3690	405 310 1130 3680 3770	-50 -50 -50 -50 -50
45.8	**46.5**	**GABBRO** Brown gabbro sludge and olive-green gabbro fragments resulting from drilling through broken gabbro. The interval is rubbly and puggy.	45.8	46.5	560	73	350	320	3690	3770	-50

		The contact with the next interval is sharp but broken, not faulted.									
46.5	**48.6**	**GABBRO**	46.5	47.5	590	78	-250	115	440	2800	-50
			47.5	48.6	300	45	1050	375	30000	2800	135
		Intermixed black-green, medium grained gabbro and brown clay (from weathering of gabbro) and gabbro fragments (artefact of drilling process).									
		The interval is rubbly and puggy.									
		The contact with the next interval is sharp but irregular - a weathering effect.									
48.6	**52.4**	**GABBRO**	48.6	49.6	580	85	1050	135	1290	7980	-50
			49.6	50.6	640	91	1100	250	120	205	-50
		Dark grey-green, medium grained gabbro with sparse quartz as stringers, trace pink-purple mineral (triplite?) as disseminations, for example, near 50.7m.	50.6	51.6	400	77	900	105	-25	125	-50
			51.6	52.4	395	81	400	130	-25	215	-50
		The interval is very broken.									
		The contact with the next interval is sharp but slightly irregular, at 50 degrees to the core axis.									
52.4	**67.0**	**CRIMSON VOLCANICLASTIC (70%) AND SILTSTONE (30%)**	52.4	53.4	135	63	-250	58	30	2600	-50
		Crimson and lesser grey, fine to medium grained volcaniclastic (70%) and siltstone (30%); with sparse calcite as stringers, sparse quartz as stringers, veinlets and veins, trace green serpentine on some joints.	66.0	67.0	120	59	-250	110	-25	130	-50
		The rock mass is very slightly vuggy.									
		Bedding is moderately thick with beds up to 1m true thickness. Bedding planes are at somewhat irregular orientations. BCA at 54.4m = 45 degrees.									
		The interval is very broken.									
		The contact with the next interval is sharp but slightly irregular, not faulted.									
67.0	**76.0**	**GABBRO**	67.0	68.0	355	76	300	175	-25	135	-50
			68.0	69.0	325	75	550	90	-25	90	-50
		Light green and dark green, fine grained gabbro with minor quartz and sparse calcite as stringers and veinlets, trace pyrite/pentlandite as flecks and stringers.	69.0	70.0	290	69	2250	76	-25	88	-50
			70.0	71.0	1050	92	1850	475	-25	120	-50
			71.0	72.0	1240	94	3350	665	-25	120	-50
		The interval is very broken.	72.0	73.0	685	83	1550	295	-25	115	-50
			73.0	74.0	820	87	2050	395	-25	125	-50
		The contact with the next interval is sharp but slightly irregular, not faulted.	74.0	75.0	1250	105	4000	885	-25	130	-50
			76.0	77.0	135	63	450	70	-25	170	-50
76.0	**83.3**	**CRIMSON VOLCANICLASTIC (70%) AND SILTSTONE (30%)**									
		As from 52.4m to 67.0m but volcaniclastic is fine to coarse grained, crimson and green in colour.									

BCA at 77.2m = 50 degrees.

The interval is very broken.

END OF HOLE AT 83.3m

bhid	from	to	recovery	recovery
	m	m	m	%
MF40	0.0	2.0	1.8	90
MF40	2.0	4.0	1.8	90
MF40	4.0	5.0	0.7	70
MF40	5.0	6.0	0.4	40
MF40	6.0	7.0	0.4	40
MF40	7.0	7.5	0.1	20
MF40	7.5	8.5	0.4	40
MF40	8.5	9.5	0.4	40
MF40	9.5	11.5	1.8	90
MF40	11.5	14.5	3.0	100
MF40	14.5	17.1	2.6	100
MF40	17.1	18.3	1.2	100
MF40	18.3	18.8	0.0	0
MF40	18.8	20.5	1.7	100
MF40	20.5	23.5	3.0	100
MF40	23.5	25.0	1.4	93
MF40	25.0	25.5	0.1	20
MF40	25.5	26.5	0.9	90
MF40	26.5	27.5	0.3	30
MF40	27.5	29.5	1.9	95
MF40	29.5	32.5	2.8	93
MF40	32.5	35.5	3.0	100
MF40	35.5	38.2	2.6	96
MF40	38.2	39.9	1.7	100
MF40	39.9	40.4	0.5	100
MF40	40.4	41.1	0.5	71
MF40	41.1	42.7	1.5	94
MF40	42.7	43.5	0.8	100
MF40	43.5	44.5	1.0	100
MF40	44.5	45.1	0.6	100
MF40	45.1	45.5	0.4	100
MF40	45.5	47.5	1.0	50
MF40	47.5	48.6	0.3	27
MF40	48.6	51.7	3.1	100
MF40	51.7	53.5	1.8	100
MF40	53.5	56.5	3.0	100
MF40	56.5	59.5	3.0	100
MF40	59.5	62.5	3.0	100
MF40	62.5	65.5	3.0	100
MF40	65.5	68.5	3.0	100
MF40	68.5	70.9	2.4	100
MF40	70.9	73.9	3.0	100
MF40	73.9	77.5	3.6	100
MF40	77.5	80.4	2.9	100
MF40	80.4	83.3	2.9	100

END OF HOLE AT 83.3m

hole no	MF41								
			at	**mag brg**	**AMG brg as read**	**AMG brg corrected**	**AMG brg as used**	**dip**	**comments**
final depth	37.0	m	0	-	-	-	326.0	-42	Collar bearing and dip are as provided by surveyor.
			34	314.0	327.0	327.0	327.0	-45	All downhole bearings and dips were surveyed using a downhole camera.
east	366,363.20	AMG							
north	5,367,751.30	AMG							
rl	207.00	m							
PQ									
HQTT	0.0m to 37.0m								
NQTT									
NQ									
NQTT									
commenced	8 May 2004								
completed	10 May 2004								
logged by	Mick McKeown								
drilled by	Almac Drilling								
analyses by	SGS								

COMMENTS

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF41

from m	to m	description	from m	to m	Ni %	S %	Cu %	Co ppm	Zn ppm	Pb ppm	As ppm	Ag ppm	Au ppb	Pt ppb	Pd ppb
0.0	**0.3**	**TOPSOIL AND CLAY**													
		Red-brown topsoil and clay.													
		The contact with the next interval is gradational - weathering.													
0.3	**5.5**	**CLAY AND EXTREMELY WEATHERED ROCK**													
		Light green clay (after rock) and extremely weathered rock.													
		The interval is extremely broken and puggy.													
		The contact with the next interval is sharp but broken.													
5.5	**12.1**	**VOLCANICLASTIC (50%) AND SILTSTONE (50%)**													
		Crimson and much lesser olive-green, fine grained volcaniclastic (50%) and siltstone (50%); with sparse chlorite? on joints.													
		The siltstone is thinly bedded (down to <1cm), the volcaniclastic more thickly bedded (up to 1m). BCA at 10.0m = 75 degrees.													
		The interval is very broken and extremely broken.													
		The contact with the next interval is gradational - colour change.													
12.1	**15.9**	**VOLCANICLASTIC (50%) AND SILTSTONE (50%)**	14.90	15.90	0.02	0.74	0.01	82	140	-25	-50				
		Light grey and green-grey, altered (dark green spots), fine grained volcaniclastic (50%) and siltstone (50%); with sparse vuggy quartz as stringers and veinlets, sparse pyrite/ pentlandite as fine flecks.													
		The siltstone is thinly bedded (down to <1cm), the volcaniclastic more thickly bedded (up to 1m).													
		BCA at 15.1m = 60 degrees.													
		The interval is very broken and extremely broken.													
		The contact with the next interval is sharp but broken.													
15.9	**22.0**	**GABBRO**	15.90	17.00	0.06	0.14	0.01	92	340	-25	-50				
			17.00	18.00	0.08	0.28	0.02	94	295	-25	-50				
		Dark green, cream and brown, medium to coarse grained gabbro with sparse vuggy quartz as veinlets and veins, sparse pyrite/pentlandite as disseminations becoming more	18.00	19.00	0.05	0.15	0.00	92	175	-25	-50				
			19.00	20.00	0.07	0.12	0.01	105	185	-25	-50				

		common towards 21m (see assays).	20.00	21.00	0.19	0.53	0.08	125	240	-25	-50
		The interval is very broken.									
		The contact with the next interval is gradational - alteration/sulphide content.									
21.0	**23.7**	**GABBRO**	21.00	22.00	0.49	1.28	0.49	155	185	-25	-50
			22.00	23.00	0.97	3.90	0.88	275	130	-25	-50
		Dark grey-green, fine grained, altered? Gabbro with minor pyrite/pentlandite and chalcopyrite as disseminations becoming massive for 5cm before contact at 23.7m (see assays).	23.00	23.70	0.95	3.45	0.78	285	180	-25	-50
		The interval is very broken and extremely broken.									
		The contact with the next interval is sharp but broken., probably not faulted.									
23.7	**37.0**	**VOLCANICLASTIC (50%) AND SILTSTONE (50%)**	23.70	24.70	0.03	0.16	0.01	78	335	-25	-50
		Light to dark grey siltstone (50%) and volcaniclastic (50%); with trace ironstaining throughout, sparse quartz as stringers.									
		The interval is slightly vuggy and microfaulted throughout.									
		The siltstone is thinly bedded (down to <1mm), the volcaniclastic more thickly bedded (up to 0.5m).									
		BCA at 29.2m = 75 degrees. BCA at 31.5m = 75 degrees.									
		The interval is very broken and extremely broken.									
		END OF HOLE AT 37.0m									

bhid	from	to	recovery	recovery
	m	m	m	%
MF41	0.0	2.0	1.8	90
MF41	2.0	4.0	1.7	85
MF41	4.0	5.0	0.6	60
MF41	5.0	6.0	0.3	30
MF41	6.0	9.0	3.0	100
MF41	9.0	12.0	2.8	93
MF41	12.0	13.0	0.6	60
MF41	13.0	15.0	1.8	90
MF41	15.0	18.0	3.0	100
MF41	18.0	21.0	3.0	100
MF41	21.0	23.0	2.0	100
MF41	23.0	24.0	1.0	100
MF41	24.0	25.5	1.5	100
MF41	25.5	27.0	1.5	100
MF41	27.0	28.5	1.5	100
MF41	28.5	30.0	1.5	100
MF41	30.0	31.3	1.3	100
MF41	31.3	32.3	1.0	100
MF41	32.3	33.3	0.9	90
MF41	33.3	33.9	0.6	100
MF41	33.9	35.5	1.6	100
MF41	35.5	37.0	1.5	100

END OF HOLE AT 37.9m

hole no MF42

			at	mag brg	AMG brg as read	AMG brg corrected	AMG brg as used	dip	comments
final depth	64.9	m	0	-	-	-	318.5	-48.5	Collar bearing and dip are as provided by surveyor.
			46	310.0	323.0	323.0	323.0	-46.5	All downhole bearings and dips were surveyed using a downhole camera.
east	366,484.80	AMG							
north	5,367,820.70	AMG							
rl	208.50	m							

PQ
HQTT 0.0m to 64.9m
NQTT
NQ
NQTT

commenced 11 May 2004
completed 12 May 2004

logged by Mick McKeown

drilled by Almac Drilling

analyses by SGS

COMMENTS

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF42

from m	to m	description	from m	to m	Ni %	S %	Cu %	Co ppm	Zn ppm	Pb ppm	As ppm	Ag ppm	Au ppb	Pt ppb	Pd ppb
0.0	**1.0**	**TOPSOIL** Dark red brown clay. The interval is puggy. The contact with the next interval is gradational - weathering.													
1.0	**3.3**	**VOLCANICLASTIC (50%) AND SILTSTONE (50%)** Extremely weathered, light green to grey green volcaniclastic (50%) and siltstone (50%). The interval is puggy. The contact with the next interval is sharp but broken.													
3.3	**4.8**	**GABBRO** Very dark green, altered gabbro with minor quartz as flecks and small patches. The interval is extremely broken. The contact with the next interval is gradational - alteration.													
4.8	**6.9**	**GABBRO** Green and cream, medium grained gabbro with sparse serpentine? as veinlets. The interval is extremely broken. The contact with the next interval is sharp but broken.													
6.9	**8.2**	**VOLCANICLASTIC AND SILTSTONE** Light green volcaniclastic and siltstone. The interval is rubble. The contact with the next interval is sharp but somewhat irregular at about 65 degrees to the core axis.													
8.2	**8.8**	**CRIMSON VOLCANICLASTIC (30%) AND SILTSTONE (70%)** Well bedded, crimson volcaniclastic and siltstone.													

		The interval is very broken. The contact with the next interval is gradational - colour.															
8.8	**17.5**	**VOLCANICLASTIC (70%) AND SILTSTONE (30%)** Light green to grey green, fine to coarse grained volcaniclastic (70%) and siltstone (30%); with sparse crystalline pyrite as veinlets and a small patch near 14.8m, sparse quartz as stringers. Beds in the volcaniclastic are up to 2m thick, in the siltstone down to 1mm thick. Bedding in volcaniclastic is irregular in part. BCA at 9.9m = 65 degrees. BCA at 17.3m = 75 degrees. The interval is very broken to extremely broken. The contact with the next interval is gradational - colour.															
17.5	**27.3**	**CRIMSON VOLCANICLASTIC (60%) AND SILTSTONE (40%)** Crimson and much lesser light green, fine to medium grained volcaniclastic (60%) and siltstone (40%); with sparse serpentine on joints. Beds in the volcaniclastic are up to 2m thick, in the siltstone down to 2mm thick. Beds and bedding are irregular in part. BCA at 20.8m = 85degrees. BCA at 24.3m = 80 degrees. BCA at 27.1m = 80 degrees. The interval is very broken and extremely broken. The contact with the next interval is gradational- colour.															
27.3	**32.6**	**VOLCANICLASTIC (70%) AND SILTSTONE (30%)** Light green to grey green, fine grained volcaniclastic (70%) and siltstone (30%); with trace serpentine on joints. The interval is microfaulted in part. BCA at 30.9m = 80 degrees. BCA at 32.1m = 70 degrees. The interval is very broken and extremely broken near lower contact. The contact with the next interval is sharp but broken and at about 90 degrees to the core axis, probably not faulted.	31.6	32.6	0.01	0.40	0.01	75	190	-25	-50						
32.6	**37.9**	**GABBRO**	32.6 33.6	33.6 34.6	0.03 0.03	0.31 0.19	0.03 0.02	99 110	265 425	-25 -25	-50 -50	0.0265 0.0305	0.31 0.19	0.0285 0.021	99 110	265 425	

		Dark green, brown cream and cream, medium grained gabbro with dark sulphide?	34.6	35.6	0.03	0.24	0.01	105	525	-25	-50	0.027	0.235	0.0072	105	525
		alteration down to 33.6m as stringers and lace veining, trace pyrite as flecks	35.6	36.6	0.04	0.25	0.02	105	370	-25	-50	0.0385	0.25	0.0185	105	370
		throughout, sparse quartz as stringers and veinlets.	36.6	37.9	0.21	0.51	0.13	155	540	-25	-50	0.2782	0.663	0.1664	201.5	702
		The interval is slightly vuggy.														
		The interval is very broken.														
		The contact with the next interval is gradational - sulphide content.										0	0	0	0	0
37.9	**41.8**	**MINERALISED GABBRO**	37.9	38.9	0.88	3.05	0.65	270	900	-25	-50	0.881	3.05	0.645	270	900
			38.9	39.9	0.71	2.45	0.58	290	1150	-25	-50	0.713	2.45	0.58	290	1150
		Dark green-grey and grey cream, medium grained gabbro with sparse pyrite/pentlandite	39.9	40.9	0.81	3.05	0.59	265	735	-25	-50	0.809	3.05	0.59	265	735
		as small flecks and stringers, sparse quartz as stringers and veinlets.	40.9	41.8	0.79	2.55	0.60	245	760	115	-50	0.7074	2.295	0.5427	220.5	684
		The interval is slightly vuggy.														
		The interval is very broken.														
		The contact with the next interval is sharp and slightly irregular at about 75 degrees to the core axis, not faulted.														
41.8	**59.5**	**VOLCANICLASTIC (50%) AND SILTSTONE (50%)**	41.8	42.8	0.06	0.36	0.04	97	635	160	-50					
		Grey and black, fine to medium grained volcaniclastic (50%) and siltstone (50%); with sparse crystalline pyrite as flecks and small patches, sparse quartz as vuggy small patches and stringers.														
		Beds in the volcaniclastic are up to 1m thick, in the siltstone down to 1mm thick.														
		The interval is slightly vuggy.														
		Beds are ruptured in part and bedding is somewhat irregular in part. BCA at 43.0m = 50 degrees. BCA at 47.6m = 80 degrees.														
		The interval is very broken and extremely broken.														
		The contact with the next interval is gradational - lithology.														
59.5	**64.9**	**VOLCANICLASTIC (20%) AND SILTSTONE (80%)**														
		Grey green to light green, medium to coarse grained volcaniclastic (20%) and cherty siltstone (80%); with sparse quartz as small patches, stringers and lace veining.														
		The interval is slightly vuggy.														
		BCA at 60.0m = 75 degrees. BCA at 62.8m = 70 degrees.														
		The interval is very broken.														
		END OF HOLE AT 64.9m														

-25 -50
-25 -50

-25	-50
-25	-50
-32.5	-65
0	0
-25	-50
-25	-50
-25	-50
103.5	-45

bhid	from	to	recovery	recovery
	m	m	m	%
MF42	0.0	3.0	3.0	100
MF42	3.0	5.2	1.0	45
MF42	5.2	6.9	1.4	82
MF42	6.9	8.3	0.9	64
MF42	8.3	10.3	1.9	95
MF42	10.3	11.5	1.1	92
MF42	11.5	12.0	1.4	280
MF42	12.0	14.2	0.9	41
MF42	14.2	15.0	0.8	100
MF42	15.0	16.7	1.7	100
MF42	16.7	20.0	3.0	91
MF42	20.0	21.2	1.2	100
MF42	21.2	22.9	1.7	100
MF42	22.9	26.0	3.1	100
MF42	26.0	29.0	3.0	100
MF42	29.0	32.0	3.0	100
MF42	32.0	35.0	3.0	100
MF42	35.0	37.7	2.7	100
MF42	37.7	40.3	2.6	100
MF42	40.3	41.0	0.7	100
MF42	41.0	43.8	2.8	100
MF42	43.8	46.7	2.9	100
MF42	46.7	49.0	2.3	100
MF42	49.0	50.3	1.3	100
MF42	50.3	53.0	2.7	100
MF42	53.0	55.6	2.6	100
MF42	55.6	59.0	3.4	100
MF42	59.0	61.5	2.5	100
MF42	61.5	64.9	3.4	100

END OF HOLE AT 64.9m

hole no MF43

			at	mag brg	AMG brg as read	AMG brg corrected	AMG brg as used	dip	comments
final depth	67.5	m	0	-	-	-	330.8	-68	Collar bearing and dip are as provided by surveyor.
			30	310.0	323.0	323.0	323.0	-70	All downhole bearings and dips were surveyed using a downhole camera.
east	366,485.50	AMG	66	310.0	323.0	323.0	323.0	-70.5	
north	5,367,819.70	AMG							
rl	208.80	m							

PQ
HQTT 0.0m to 67.5m
NQTT
NQ
NQTT

commenced 13 May 2004
completed 15 May 2004

logged by Mick McKeown

drilled by Almac Drilling

analyses by SGS

COMMENTS

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF43

from m	to m	description	from m	to m	Ni ppm	S ppm	Cu ppm	Co ppm	Zn ppm	Pb ppm	As ppm	Ag ppm	Au ppb	Pt ppb	Pd ppb
0.0	**0.3**	**TOPSOIL**													
		Red-brown topsoil.													
		The contact with the next interval is gradational - weathering.													
0.3	**6.2**	**VOLCANICLASTIC (50%) AND SILTSTONE (50%)**	6.0	6.2	105	53	550	50	-25	295	-50				
		Very weathered, light green to grey-green volcaniclastic (50%) and siltstone (50%).													
		The interval is sludgy.													
		The contact with the next interval is sharp but broken.													
6.2	**9.0**	**GABBRO**	6.2	7.2	135	78	1600	52	-25	265	-50				
			7.2	8.2	185	79	1950	88	-25	205	-50				
		Dark green and cream, medium grained gabbro.	8.2	9.0	325	80	11300	175	-25	600	-50				
		The interval is extremely broken, rubbly and puggy.													
		The contact with the next interval is sharp but broken.													
9.0	**23.4**	**VOLCANICLASTIC (60%) AND SILTSTONE (40%)**	9.0	10.0	72	48	400	88	-25	180	-50				
		Light green to grey-green, fine to medium grained volcaniclastic (60%) and siltstone (40%); with sparse quartz as stringers, sparse ironstaining on joints and fractures.													
		17.4m to 17.6m: pug zone.													
		The interval is microfaulted in part. The interval is slightly vuggy.													
		Beds in the volcaniclastic are thick, up to 2m, in the siltstone thin, down to 1mm. BCA at 11.6m = 40 degrees. BCA at 20.6m = 65 degrees.													
		The interval is very broken and extremely broken.													
		The contact with the next interval is gradational - colour.													
23.4	**28.5**	**VOLCANICLASTIC (60%) AND SILTSTONE (40%)**													
		As from 9.0m to 23.4m but crimson and much lesser light green in colour; with sparse quartz as stringers.													
		The interval is slightly vuggy.													

		Beds in the volcaniclastic are thick, up to 0.5m, in the siltstone thin, down to 2mm. BCA at 26.0m = 50 degrees. BCA at 28.0m = 65 degrees. The interval is very broken and extremely broken. The contact with the next interval is gradational - colour.										
28.5	**38.9**	**VOLCANICLASTIC (30%) AND SILTSTONE (70%)** Light green to grey-green, fine to medium grained volcaniclastic (30%) and siltstone (70%); with trace black serpentine on joints, sparse quartz as stringers. The interval is microfaulted and microfolded in part. Bedding is irregular in part. BCA at 34.7m = 50 degrees. BCA at 36.0m = 55 degrees. The interval is very broken and extremely broken. The contact with the next interval sharp at 55 degrees to the core axis, not faulted and apparently concordant with bedding.	37.9	38.9	92	74	950	205	125	755	-50
38.9	**39.6**	**GABBRO** Dark, altered, fine grained gabbro and interlayered and discordant massive sulphide (see assays). The interval is very broken. The contact with the next interval is sharp but irregular.	38.9	39.6	255	200	49500	31500	170	2220	180
39.6	**40.9**	**GABBRO** Dark green and green-cream, medium grained gabbro with sparse quartz as stringers and veinlets. The interval is very broken. The contact with the next interval is sharp but broken, probably faulted.	39.6	40.9	360	110	2750	1530	-25	300	-50
40.9	**52.9**	**VOLCANICLASTIC (50%) AND SILTSTONE (50%)** Light green to grey-green, fine to medium grained volcaniclastic (50%) and siltstone (50%); with sparse quartz as stringers and lace veining, sparse crystalline pyrite associated with quartz as stringers. The interval is microfaulted and microfolded in part. The interval is slightly vuggy.	40.9	41.9	135	105	10900	105	-25	340	-50

BCA at 41.9m = 70 degrees.
BCA at 45.3m = 45 degrees.
BCA at 48.7m = 35 degrees.

The interval is very broken.

The contact with the next interval is gradational - lithology.

52.9 67.5 VOLCANICLASTIC (30%) AND SILTSTONE (70%)

Light green to grey-green, fine to medium grained volcaniclastic (30%) and siltstone (70%); with sparse quartz as stringers, sparse calcite and dolomite as veinlets and veins.

67.02m to 67.09m: dolomite vein at 80 degrees to the core axis.

The interval is microfaulted and microfolded in part.
The interval is slightly vuggy.

Beds in the volcaniclastic are thick, up to 2m, in the siltstone thin, down to 2mm.
Bedding is irregular and BCAs are obscure.

END OF HOLE AT 67.5m

bhid	from	to	recovery	recovery
	m	m	m	%
MF43	0.0	3.0	2.7	90
MF43	3.0	6.0	1.5	50
MF43	6.0	7.2	0.8	67
MF43	7.2	7.8	0.5	83
MF43	7.8	9.0	1.1	92
MF43	9.0	10.9	1.7	89
MF43	10.9	12.0	1.0	91
MF43	12.0	15.0	3.0	100
MF43	15.0	17.6	2.6	100
MF43	17.6	19.8	2.2	100
MF43	19.8	21.0	0.9	75
MF43	21.0	24.0	3.0	100
MF43	24.0	27.0	3.0	100
MF43	27.0	29.6	2.6	100
MF43	29.6	32.6	3.0	100
MF43	32.6	35.7	3.1	100
MF43	35.7	38.9	3.1	97
MF43	38.9	41.4	2.5	100
MF43	41.4	42.2	0.8	100
MF43	42.2	45.0	2.8	100
MF43	45.0	46.0	1.0	100
MF43	46.0	48.0	2.0	100
MF43	48.0	51.0	3.0	100
MF43	51.0	54.0	3.0	100
MF43	54.0	56.7	2.7	100
MF43	56.7	60.0	3.3	100
MF43	60.0	63.0	3.0	100
MF43	63.0	66.0	3.0	100
MF43	66.0	67.5	1.5	100

END OF HOLE AT 67.5m

hole no MF44

			at	mag brg	AMG brg as read	AMG brg corrected	AMG brg as used	dip	comments
final depth	40.9	m	0	-	-	-	321.7	-44.0	Collar bearing and dip are as provided by surveyor.
			39	308.0	321.0	321.0	321.0	-46	All downhole bearings and dips were surveyed using a downhole camera.
east	366,470.40	AMG							
north	5,367,824.80	AMG							
rl	208.00	m							

PQ
HQTT 0.0m to 40.9m
NQTT
NQ
NQTT

commenced 15 May 2004
completed 17 May2004

logged by Mick McKeown

drilled by Almac Drilling Pty Ltd, Zeehan

analyses by SGS, Burnie

COMMENTS

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF44

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
0.0	**0.5**	**TOPSOIL AND CLAY** Chocolate brown topsoil and clay. The contact with the next interval is gradational - weathering.									
0.5	**6.7**	**VOLCANICLASTIC (20%) AND SILTSTONE (80%)** Light to dark green, medium grained volcaniclastic and siltstones; with sparse ironstaining on joints and fractures, sparse crystalline pyrite. The interval is slightly vuggy. Beds in the volcaniclastic are moderately thick, up to 0.3m, in the siltstone thin, down to 2mm. Bedding is ruptured in part. BCA at 3.8m = 60 degrees. BCA at 5.4m = 45 degrees. The interval is very broken and extremely broken. The contact with the next interval is gradational -colour.									
6.7	**19.0**	**VOLCANICLASTIC (30%) AND SILTSTONE (70%)** Crimson, fine to medium grained volcaniclastic (30%) and siltstone (70%); with trace ironstaining on joints and fractures, sparse light green coloured bands. The interval is microfaulted in part. Beds in the volcaniclastic are up to 2m thick, in the siltstone down to 1mm. BCA at 10.1m = 70 degrees. The interval is very broken and extremely broken. The contact with the next interval is gradational -colour.									
19.0	**21.3**	**VOLCANICLASTIC (20%) AND SILTSTONE (80%)** Light green, cherty (silicified?), fine to medium grained volcaniclastic (80%) and siltstone (20%). Beds in the volcaniclastic are up to 0.2m thick, in the siltstone down to 1mm. BCA at 20.0m = 85 degrees. The interval is extremely broken.	20.3	21.3	78	46	850	110	-25	320	-50

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF44

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
		The contact with the next interval is sharp at 90 degrees to the core axis, concordant with bedding.									
21.3	**24.3**	**GABBRO**	21.3	22.3	245	78	900	72	-25	175	-50
			22.3	23.3	295	77	700	80	-25	175	-50
		Dark green to grey-cream, fine to medium grained gabbro, fine grained chilled margin from 21.3m to 21.8m; with sparse black mineral as small patches, sparse quartz as stringers.	23.3	24.3	255	74	1200	94	-25	165	-50
		The interval is slightly vuggy.									
		The interval is very broken.									
		The contact with the next interval is gradational - alteration/mineralisation.									
24.3	**31.0**	**GABBRO**	24.3	25.3	370	80	1600	195	-25	285	-50
			25.3	26.3	375	76	500	105	-25	94	-50
		As from 21.3m to 24.3m but darker (altered/mineralised) with sparse ironstaining on joints and fractures, sparse vuggy quartz as stringers and veinlets, sparse pyrite/ pentlandite as fine flecks and stringers.	26.3	27.3	1010	120	1050	455	-25	235	-50
			27.3	28.3	6820	225	25500	5360	-25	325	-50
			28.3	29.3	6490	210	22500	5320	-25	335	-50
			29.3	31.0	7970	235	28000	6370	-25	260	-50
		The interval is slightly vuggy.									
		The interval is very broken.									
		The contact with the next interval is gradational - alteration/mineralisation.									
31.0	**34.3**	**GABBRO**	31.0	32.0	1380	115	3550	950	-25	175	-50
			32.0	33.0	570	89	1200	270	-25	175	-50
		As from 21.3m to 24.3m with trace pyrite/pentlandite as fine flecks and stringers.	33.0	34.3	425	91	750	490	-25	150	-50
		The interval is very broken and extremely broken.									
		The contact with the next interval is sharp but broken, probably not faulted.									
34.3	**40.9**	**VOLCANICLASTIC AND SILTSTONE**	34.3	35.3	120	59	1900	565	220	980	-50
		Green, green-grey, dark grey and black, fine to coarse grained volcaniclastic and siltstone; with sparse crystalline pyrite as fine flecks, sparse quartz as stringers, sparse ironstaining on joints and fractures; with very coarse grained fragments in a narrow 3cm band at 38.6m.									
		The interval is microfaulted in part.									
		Beds in the volcaniclastic are up to 10cm thick, in the siltstone down to 2mm.									

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF44

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
		BCA at 37.0m = 80 degrees.									
		BCA at 38.8m = 80 degrees.									
		END OF HOLE AT 40.9m									

bhid	from	to	recovery	recovery
	m	m	m	%
MF44	0.0	2.5	2.1	84
MF44	2.5	3.5	0.8	80
MF44	3.5	5.5	1.9	95
MF44	5.5	8.5	2.5	83
MF44	8.5	11.5	3.0	100
MF44	11.5	14.2	2.7	100
MF44	14.2	16.0	1.8	100
MF44	16.0	17.5	1.5	100
MF44	17.5	18.4	0.9	100
MF44	18.4	19.3	0.7	78
MF44	19.3	20.4	0.9	82
MF44	20.4	23.5	3.1	100
MF44	23.5	26.3	2.8	100
MF44	26.3	29.5	3.2	100
MF44	29.5	32.4	2.9	100
MF44	32.4	35.1	2.7	100
MF44	35.1	36.7	1.6	100
MF44	36.7	38.5	1.8	100
MF44	38.5	40.4	1.9	100
MF44	40.4	40.9	0.5	100

END OF HOLE AT 40.9m

hole no MF45

			at	mag brg	AMG brg as read	AMG brg corrected	AMG brg as used	dip	comments
final depth	54.6	m	0	-	-	-	321.4	-69.5	Collar bearing and dip are as provided by surveyor.
			48	310.0	323.0	323.0	323.0	-69.5	All downhole bearings and dips were surveyed using a downhole camera.
east	366,431.20	AMG							
north	5,367,789.70	AMG							
rl	210.10	m							

PQ
HQTT 0.0m to 54.6m
NQTT
NQ
NQTT

commenced 17 May 2004
completed 19 May 2004

logged by Mick McKeown

drilled by Almac Drilling

analyses by SGS

COMMENTS

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF45

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
0.0	**0.3**	**CLAY AND TOPSOIL** Tan clay and topsoil. The contact with the next interval is gradational - weathering.									
0.3	**1.5**	**CLAY (AFTER ROCK)** Light, slightly orange, brown clay (after rock). The interval is puggy. The contact with the next interval is gradational - weathering.									
1.5	**2.0**	**CLAY AND CLAYSTONE (AFTER ROCK) AND ROCK RUBBLE** Mottled brown clay and claystone (after rock) and extremely weathered rock rubble. The interval is rubbly and puggy. The contact with the next interval is gradational - weathering.									
2.0	**8.7**	**VOLCANICLASTIC** Light green-grey, medium grained volcaniclastic with common ironstaining on joints and fractures. Beds are thick, up to2m. The interval is extremely broken. The contact with the next interval is sharp at 70 degrees to the core axis and marks the occurrence of dark grey siltstone.									
8.7	**14.7**	**VOLCANICLASTIC (60%) AND SILTSTONE (40%)** Light grey, dark grey, black and green-grey, fine to medium grained volcaniclastic and siltstone; with minor ironstaining on joints and fractures. Beds in the volcaniclastic are up to 0.5m thick, in the siltstone down to 1cm thick. BCA at 8.8m= 60 degrees. BCA at 13.0m = 60 degrees. The interval is very broken and extremely broken. The contact with the next interval is sharp but broken - change in weathering intensity.									

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF45

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
14.7	**17.6**	**VOLCANICLASTIC (60%) AND SILTSTONE (40%)**									
		As from 8.7m to 14.7m but very weathered with sparse vuggy quartz as veinlets. The interval is extremely broken and puggy and may contain a fault.									
		BCA is generally obscure - core is too broken. BCA at 16.3m= 50 degrees.									
		The interval is extremely broken and puggy.									
		The contact with the next interval is gradational - colour change.									
17.6	**25.3**	**CRIMSON VOLCANICLASTIC (60%) AND SILTSTONE (40%)**									
		As from 8.7m to 14.7m but crimson and much lesser grey in colour; with trace crystalline pyrite on joints, sparse chlorite? on joints.									
		The interval is slightly vuggy and microfaulted.									
		Beds in the volcaniclastic are up to 0.5m thick, in the siltstone down to 1cm thick. BCA at 22.2m = 60 degrees.									
		The contact with the next interval is gradational - lithology.									
25.3	**27.1**	**VOLCANICLASTIC AND SILTSTONE**	26.1	27.1	65	69	550	36	-25	135	-50
		Light and dark green-grey and much lesser grey and pink, cherty (silicified), spotted (altered), fine grained volcaniclastic and siltstone.									
		BCA at 26.7m = 75 degrees.									
		The interval is very broken and extremely broken.									
		The contact with the next interval is sharp at 60 degrees to the core axis, not faulted.									
27.1	**31.3**	**GABBRO**	27.1	28.1	275	105	1550	175	-25	145	-50
			28.1	29.1	280	100	1100	66	-25	110	-50
		Dark grey, green and cream, fine to medium grained gabbro with sparse disseminated pyrite/pentlandite associated with feldspar. There is a chilled margin from 27.1m to 27.4m, banded for 10cm near 27.1m with mineral crystallisation parallel to contact; grainsize gradually increases from 27.1m to 27.4m.	29.1	30.1	235	100	1800	70	-25	105	-50
			30.1	31.3	240	100	1700	62	-25	105	-50
		The interval is broken.									
		The contact with the next interval is gradational - grain size.									

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF45

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
31.3	**34.3**	**GABBRO**	31.3	32.3	270	105	1600	66	-25	110	-50
			32.3	33.3	310	105	1350	84	-25	135	-50
		Dark green and green-cream, coarse grained gabbro with sparse disseminated pyrite/pentlandite.	33.3	34.3	1340	130	4750	1000	-25	125	-50
		32.20m to 32.30m: altered zone (vein?) of altered gabbro with minor pink mineral (triplite?) as fine flecks; slightly vuggy zone.									
		The interval is very broken.									
		The contact with the next interval is gradational - sulphide content.									
34.3	**38.8**	**GABBRO**	34.3	35.3	4130	160	13300	4290	-25	115	-50
			35.3	36.3	6010	205	21000	4380	-25	115	-50
		As from 31.3m to 38.8m but darker and with minor pyrite/pentlandite and	36.3	37.3	1690	120	5200	2950	-25	125	-50
		chalcopyrite as disseminations and flecks, trace quartz as stringers; the interval becomes finer grained towards 38.8m.	37.3	38.8	3740	140	11400	7380	-25	205	-50
		The interval is very broken.									
		The contact with the next interval is sharp but broken, not faulted.									
38.8	**49.7**	**VOLCANICLASTIC (50%) AND SILTSTONE (50%)**	38.8	39.8	380	96	7800	500	-25	270	-50
		Green-grey, dark grey and black, fine to medium grained volcaniclastic (50%) and siltstone (50%); with trace ironstaining on joints and fractures, trace quartz as stringers.									
		The interval is microfaulted and vuggy.									
		Beds in the volcaniclastic are up to 0.25m thick, in the siltstone down to 1cm thick. The siltstone beds are very irregular. BCA is somewhat irregular but averages 45 to 60 degrees.									
		The interval is very broken and extremely broken.									
		The contact with the next interval is gradational - lithology.									
49.7	**54.6**	**VOLCANICLASTIC (50%) AND SILTSTONE (50%)**									
		Grey and cream, very fine grained to fine grained volcaniclastic (50%) and siltstone (50%), no black rock content; with sparse quartz as stringers and lace veining.									
		BCA is somewhat irregular but averages 45 to 60 degrees.									
		The interval is very broken, extremely broken from 54.4m to 54.6m.									

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF45

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
		END OF HOLE AT 54.6m.									

bhid	from	to	recovery	recovery
	m	m	m	%
MF45	0.0	3.0	3.0	100
MF45	3.0	5.0	2.0	100
MF45	5.0	5.6	0.6	100
MF45	5.6	6.7	1.1	100
MF45	6.7	8.9	1.6	73
MF45	8.9	9.5	0.5	83
MF45	9.5	10.8	1.3	100
MF45	10.8	11.5	0.7	100
MF45	11.5	12.0	0.5	100
MF45	12.0	12.6	0.5	83
MF45	12.6	13.6	0.9	90
MF45	13.6	14.7	0.7	64
MF45	14.7	15.2	0.2	40
MF45	15.2	15.6	0.1	25
MF45	15.6	16.1	0.3	60
MF45	16.1	16.8	0.7	100
MF45	16.8	17.8	1.0	100
MF45	17.8	18.2	0.3	75
MF45	18.2	18.5	0.2	67
MF45	18.5	19.3	0.8	100
MF45	19.3	21.0	1.7	100
MF45	21.0	22.1	1.1	100
MF45	22.1	24.0	1.9	100
MF45	24.0	25.0	1.0	100
MF45	25.0	25.7	0.7	100
MF45	25.7	26.5	0.8	100
MF45	26.5	28.4	1.9	100
MF45	28.4	29.6	1.2	100
MF45	29.6	30.8	1.2	100
MF45	30.8	32.3	1.5	100
MF45	32.3	34.5	2.2	100
MF45	34.5	35.9	1.4	100
MF45	35.9	37.5	1.6	100
MF45	37.5	39.0	1.5	100
MF45	39.0	39.7	0.7	100
MF45	39.7	40.2	0.5	100
MF45	40.2	40.8	0.6	100
MF45	40.8	41.4	0.6	100
MF45	41.4	42.4	1.0	100
MF45	42.4	43.7	1.3	100
MF45	43.7	45.0	1.3	100
MF45	45.0	46.0	1.0	100
MF45	46.0	47.3	1.3	100
MF45	47.3	48.0	0.7	100
MF45	48.0	49.5	1.5	100
MF45	49.5	50.1	0.6	100
MF45	50.1	51.0	0.9	100
MF45	51.0	52.5	1.5	100
MF45	52.5	54.0	1.5	100
MF45	54.0	54.6	0.6	100

END OF HOLE AT 54.6m

hole no MF46

			at	mag brg	AMG brg as read	AMG brg corrected	AMG brg as used	dip	comments
final depth	55.0	m	0	-	-	-	322.0	-84.8	Collar bearing and dip are as provided by surveyor.
			51	314.0	327.0	327.0	327.0	-86	All downhole bearings and dips were surveyed using a downhole camera.
east	366,431.60	AMG							
north	5,367,789.40	AMG							
rl	210.20	m							

PQ
HQTT 0.0m to55.0m
NQTT
NQ
NQTT

commenced 20 May 2004
completed 22 May 2004

logged by Mick McKeown

drilled by Almac Drilling

analyses by SGS

COMMENTS

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF46

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
0.0	**0.3**	**TOPSOIL**									
		Brown topsoil.									
		The contact with the next interval is gradational- weathering.									
0.3	**3.45**	**CLAY AND ROCK RUBBLE**									
		Orange-brown clay and brown rock rubble.									
		This interval is drilling rubble.									
		The contact with the next interval is sharp -weathering!									
3.45	**12.0**	**VOLCANICLASTIC (90%) AND SILTSTONE (10%)**									
		Grey and much lesser dark grey, fine to medium grained volcaniclastic and siltstone; with sparse ironstaining on joints and fractures.									
		Beds in the volcaniclastic are up to 2m thick, in the siltstone down to 1mm thick. BCA at 9.5m = 45 degrees.									
		The interval is extremely broken.									
		The contact with the next interval is gradational - lithology.									
12.0	**23.3**	**VOLCANICLASTIC (20%) AND SILTSTONE (80%)**									
		Grey, green grey and black, fine grained volcaniclastic (20%) and siltstone (80%); with sparse crystalline pyrite as occasional stringers.									
		Beds in the volcaniclastic are up to 0.5m thick, in the siltstone down to 1mm thick.									
		Beds are ruptured. BCA at 13.1m = 50 degrees. BCA at 19.5m = 45 degrees.									
		The interval is extremely broken and drillers rubble with complete core loss from 12.3m to 12.6m.									
		The contact with the next interval is gradational - colour.									
23.3	**34.8**	**CRIMSON VOLCANICLASTIC (40%) AND SILTSTONE (60%)**	33.8	34.8	59	35	250	-25	-25	105	-50
		Crimson and much lesser crimson grey and grey, fine to medium grained volcaniclastic (40%) and siltstone (60%); with sparse ironstaining on joints and fractures, sparse									

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF46

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
		serpentine on joints and fractures, sparse quartz as stringers and veinlets. Beds in the volcaniclastic are up to 2m thick, in the siltstone down to 1mm thick. The interval is slightly vuggy, particularly closer to 34.8m. BCA are generally irregular. BCA at 29.9m = 50 degrees. The interval is very broken and extremely broken. The contact with the next interval is sharp but discordant at 55 degrees to the core axis.									
34.8	**38.2**	**GABBRO** Grey, fine grained (chilled margin?) gabbro with sparse pink mineral (triplite?) as narrow (<3mm)bands from 34.8mto 35.0m, sparse quartz as stringers and veinlets. The interval is slightly vuggy. The interval is very broken and extremely broken. The contact with the next interval is sharp but broken.	34.8 36.0 37.0	36.0 37.0 38.2	180 420 305	59 78 77	1250 350 500	180 125 96	-25 -25 -25	125 120 110	-50 -50 -50
38.2	**43.9**	**GABBRO** Green, black, cream and brown cream, coarse grained gabbro with sparse pyrite/ pentlandite as fine flecks from 43.7m to 43.9m, sparse quartz as stringers and veinlets. The interval is slightly vuggy. The interval is very broken and extremely broken and partly driller's rubble. The contact with the next interval si sharp but broken, somewhat irregular, possibly faulted.	38.2 39.2 40.2 41.2 42.5	39.2 40.2 41.2 42.5 43.9	245 400 365 3210 3150	70 66 78 165 170	1150 1250 1050 6750 8950	76 215 92 2140 2150	-25 -25 -25 -25 -25	86 80 86 165 220	-50 -50 -50 -50 -50
43.9	**55.0**	**VOLCANICLASTIC (50%) AND SILTSTONE (50%)** Grey to dark grey, fine grained volcaniclastic (50%) and siltstone (50%); with minor quartz and calcite as stringers and veinlets, sparse crystalline pyrite associated with quartz. Beds in the volcaniclastic are up to 0.5m thick, in the siltstone down to 1mm thick. The interval is slightly vuggy and microfaulted in part.	43.9	44.9	285	65	4100	160	-25	125	-50

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF46

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
		Beds are and bedding is irregular.									
		The interval is very broken and extremely broken and partly driller's rubble.									
		END OF HOLE AT 55.0m									

bhid	from	to	recovery	recovery
	m	m	m	%
MF46	0.0	3.0	3.0	100
MF46	3.0	3.5	0.4	80
MF46	3.5	4.5	1.0	100
MF46	4.5	6.5	2.0	100
MF46	6.5	9.4	2.9	100
MF46	9.4	11.8	2.4	100
MF46	11.8	12.3	4.3	860
MF46	12.3	12.6	0.0	0
MF46	12.6	15.0	2.4	100
MF46	15.0	17.6	2.6	100
MF46	17.6	19.0	1.4	100
MF46	19.0	20.0	0.9	90
MF46	20.0	21.0	1.0	100
MF46	21.0	24.0	3.0	100
MF46	24.0	27.0	3.0	100
MF46	27.0	30.0	3.0	100
MF46	30.0	33.0	3.0	100
MF46	33.0	36.0	3.0	100
MF46	36.0	38.8	2.0	71
MF46	38.8	42.0	3.2	100
MF46	42.0	42.9	0.9	100
MF46	42.9	45.0	3.1	148
MF46	45.0	46.6	1.6	100
MF46	46.6	47.4	0.3	38
MF46	47.4	48.1	0.7	100
MF46	48.1	51.0	2.9	100
MF46	51.0	53.6	2.6	100
MF46	53.6	54.2	0.6	100
MF46	54.2	55.0	0.8	100

END OF HOLE AT 55.0m

hole no MF47

			at	mag brg	AMG brg as read	AMG brg corrected	AMG brg as used	dip	comments
final depth	56.5	m	0	-	-	-	318.9	-61.8	Collar bearing and dip are as provided by surveyor.
			50	307.0	320.0	320.0	320.0	-63.5	All downhole bearings and dips were surveyed using a downhole camera.
east	366,452.80	AMG							
north	5,367,790.80	AMG							
rl	208.80	m							

PQ
HQTT 0.0m to 56.5m
NQTT
NQ
NQTT

commenced 22 May 2004
completed 24/05/2004

logged by Mick McKeown

drilled by Almac Drilling

analyses by SGS

COMMENTS

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF47

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
0.0	**0.7**	**TOPSOIL** Red brown topsoil and clay. The interval is puggy. The contact with the next interval is gradational - weathering.									
0.7	**6.2**	**CLAY** Light grey green clay (after rock). The interval is puggy. The contact with the next interval is gradational - weathering.									
6.2	**10.3**	**CLAY AND SILTSTONE** Intermixed light grey and green clay (after rock)and siltstone; with sparse ironstaining throughout rockmass. The interval is microfaulted. BCA at 7.9m= 30 degrees. The interval is extremely broken and puggy. The contact with the next interval is gradational - weathering.									
10.3	**28.3**	**VOLCANICLASTIC (50%) AND SILTSTONE (50%)** Light grey green, fine to medium grained volcaniclastic (50%) and black siltstone (50%); with sparse ironstaining on joints and fractures, sparse crystalline pyrite as stringers. Beds in the volcaniclastic are up to 3m thick, in the siltstone down to 1mm thick. The interval is microfaulted and slightly vuggy. Beds are ruptured in part. BCA at 10.7m = 75 degrees. BCA at 12.1m = 70 degrees. BCA at 18.4m = 60 degrees. BCA at 21.5m = 60 degrees. BCA at 26.9m = 75 degrees. The contact with the next interval is gradational - colour.									

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF47

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
28.3	**37.0**	**CRIMSON VOLCANICLASTIC (30%) AND SILTSTONE (70%)** As from 10.3m to 28.3m but crimson in colour; with sparse actinolite? as stringers, sparse chlorite? on joints and fractures, sparse ironstaining on joints and fractures, sparse quartz as stringers and veinlets. Beds in the volcaniclastic are up to 1m thick, in the siltstone down to 1mm thick. The interval is slightly vuggy. BCA at 31.0m = 45 degrees. BCA at 33.6m = 60 degrees. The interval is very broken. The contact with the next interval is gradational - colour.									
37.0	**40.5**	**VOLCANICLASTIC AND SILTSTONE** Grey green fine grained volcaniclastic and siltstone; with sparse ironstaining on joints and fractures. The interval is slightly vuggy. BCA at 38.7m = 75 degrees. The interval is extremely broken. The contact with the next interval is concordant/gradational/schistose.	39.5	40.5	84	37	500	64	120	160	-50
40.5	**49.2**	**GABBRO** Dark green, light green and cream, medium grained gabbro, with banded, pink and green, schistose fabric from 40.5m to 41.0m; with sparse ironstained stringers, sparse oxidised pyrite/pentlandite as fine flecks. 45.3m to 45.6m: extremely broken, dolomite-quartz vein with sparse crystalline sphalerite; both contacts sharp but broken. The interval is slightly vuggy. The interval is extremely broken. The contact with the next interval is sharp but broken, probably not faulted.	40.5	41.5	240	65	300	110	38	135	-50
			41.5	42.5	305	81	700	84	-25	98	-50
			42.5	43.5	250	68	800	70	-25	78	-50
			43.5	44.5	210	72	1950	70	-25	80	-50
			44.5	45.6	310	60	1250	74	58	580	75
			45.6	46.6	7910	230	26500	5240	30	145	-50
			46.6	47.6	4270	165	13200	2280	-25	145	175
			47.6	49.2	1730	100	6350	3920	-25	160	-50
			49.2	50.2	205	52	3950	295	-25	130	-50

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF47

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
49.2	**56.5**	**VOLCANICLASTIC AND SILTSTONE** Grey green volcaniclastic and siltstone; with sparse quartz as stringers, sparse ironstaining on joints and fractures; scattered black pebbles occur from 55.8m to 56.1m. The interval has a brecciated fabric in part and is microfaulted. Bedding is irregular. B CA at 54.5m = 20 degrees. The interval is very broken and extremely broken. **END OF HOLE AT 56.5m**									

bhid	from	to	recovery	recovery
	m	m	m	%
MF47	0.0	3.0	3.0	100
MF47	3.0	4.0	1.0	100
MF47	4.0	4.5	0.2	40
MF47	4.5	5.5	0.5	50
MF47	5.5	6.5	0.5	50
MF47	6.5	7.0	0.4	80
MF47	7.0	8.0	0.8	80
MF47	8.0	9.1	1.1	100
MF47	9.1	11.3	2.2	100
MF47	11.3	12.5	0.8	67
MF47	12.5	14.5	2.0	100
MF47	14.5	15.5	1.0	100
MF47	15.5	18.2	2.7	100
MF47	18.2	20.3	2.1	100
MF47	20.3	22.3	1.7	85
MF47	22.3	23.3	0.7	70
MF47	23.3	24.5	1.0	83
MF47	24.5	26.5	1.8	90
MF47	26.5	27.5	1.0	100
MF47	27.5	30.3	2.8	100
MF47	30.3	32.6	2.3	100
MF47	32.6	35.2	2.6	100
MF47	35.2	36.5	1.3	100
MF47	36.5	38.0	1.5	100
MF47	38.0	39.0	0.9	90
MF47	39.0	40.4	1.4	100
MF47	40.4	41.8	1.4	100
MF47	41.8	43.4	1.6	100
MF47	43.4	45.5	2.0	95
MF47	45.5	47.4	1.9	100
MF47	47.4	48.0	0.6	100
MF47	48.0	51.0	3.0	100
MF47	51.0	51.4	0.3	75
MF47	51.4	51.9	0.0	0
MF47	51.9	52.3	0.1	25
MF47	52.3	53.5	1.2	100
MF47	53.5	56.5	3.0	100

END OF HOLE AT 56.5m.

hole no MF48

			at	mag brg	AMG brg as read	AMG brg corrected	AMG brg as used	dip	comments
final depth	78.0	m	0	-	-	-	316.9	-77.5	Collar bearing and dip are as provided by surveyor.
			35	306.0	319.0	319.0	319.0	-77	All downhole bearings and dips were surveyed using a downhole camera.
east	366,453.10	AMG	77	306.0	319.0	319.0	319.0	-77	
north	5,367,790.50	AMG							
rl	208.70	m							

PQ
HQTT 0.0m to 78.0m
NQTT
NQ
NQTT

commenced 24 May 2004
completed 27 May 2004

logged by Mick McKeown

drilled by Almac Drilling

analyses by SGS

COMMENTS

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF48

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
0.0	**0.3**	**TOPSOIL** Brown topsoil. The interval is puggy. The contact with the next interval is gradational - weathering.									
0.3	**5.5**	**CLAY (AFTER ROCK) AND VERY WEATHERED ROCK** Grey clay (after rock) and very weathered, ironstained grey rock. The interval is puggy. The contact with the next interval is gradational - weathering.									
5.5	**11.1**	**WEATHERED VOLCANICLASTIC (30%) AND SILRSTONE (70%)** Very weathered, grey and green grey, fine to medium grained volcaniclastic (70%) and siltstone (30%); with sparse crystalline pyrite as stringers. Beds in the volcaniclastic are up to 1m thick, in the siltstone down to 1mm thick. The interval is microfaulted. BCA at 8.7m = 60 degrees. BCA at 9.1m = 85 degrees. The interval is extremely broken and puggy. The contact with the next interval is gradational - weathering.									
11.1	**30.6**	**VOLCANICLASTIC (40%) AND SILRSTONE (60%)** Green, dark grey, green grey and black, fine to medium grained volcaniclastic (40%) and siltstone (60%); with sparse ironstaining on joints and fractures in places. Beds in the volcaniclastic are up to 1m thick, in the siltstone down to 1mm thick. The interval is slightly vuggy and microfaulted. Beds are ruptured in part. BCA at 12.0m = 35 degrees. BCA at 14.8m = 30degrees. BCA at 22.8m = 45 degrees. BCA at 28.6m = 35 degrees.									

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF48

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
		The interval is very broken and extremely broken. The contact with the next interval is gradational - colour.									
30.6	**43.2**	**CRIMSON VOLCANICLASTIC (40%) AND SILTSTONE (60%)** As from 11.1m to 30.6m but crimson and much lesser green grey in colour; with sparse serpentine? on joints. BCA at 31.8m = 55 degrees. BCA at 36.5m = 45 degrees. BCA at 39.6m = 55 degrees. The interval is broken and very broken. The contact with the next interval is gradational - colour.									
43.2	**47.8**	**VOLCANICLASTIC (40%) AND SILTSTONE (60%)** As from 11.m to 30.6m; with sparse quartz as stringers, sparse black serpentine? on joints, sparse dark round spotting (up to 4mm across) from about 46.8m to 47.8m. BCA at 45.6m = 45 degrees. The contact with the next interval is sharp but broken with some core loss (see core recoveries), probably faulted.									
47.8	**50.1**	**GABBRO** Grey, cream and green, medium grained gabbro with sparse quartz as stringers. 48.8m to 48.9m: gabbro pug 49.8m to 50.1m: gabbro pug. The interval is extremely broken and puggy.	47.8 48.8	48.8 50.1	285 525	76 70	700 1660	74 195	-125 -125	92 360	-25 -25
50.1	**78.0**	**VOLCANICLASTIC (50%) AND SILTSTONE (50%)** Grey, green grey and black, fine to medium grained volcaniclastic (50%) and siltstone (50%); with sparse quartz as stringers, veinlets and veins, sparse dolomite as stringers and veinlets associated with quartz, sparse chlorite? as veinlets. 64.3m to 64.4m: broken vuggy quartz vein. Beds in the volcaniclastic are up to 1m thick, in the siltstone down to 1mm thick.	50.1	51.1	130	66	5710	78	-125	150	-25

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF48

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
		The interval is microfaulted.									
		Beds are ruptured in part. BCA at 53.5m = 30 degrees. BCA at 59.0m= 25 degrees. BCA at 68.2m = 30 degrees.									
		The interval is extremely broken to 53m then generally unbroken.									
		END OF HOLE AT 78.0m									

bhid	from	to	recovery	recovery
	m	m	m	%
MF48	0.0	3.0	3.0	100
MF48	3.0	3.5	0.5	100
MF48	3.5	5.5	1.1	55
MF48	5.5	6.5	0.8	80
MF48	6.5	7.0	0.3	60
MF48	7.0	9.0	1.8	90
MF48	9.0	10.0	0.8	80
MF48	10.0	11.0	0.9	90
MF48	11.0	12.0	1.0	100
MF48	12.0	13.1	1.0	91
MF48	13.1	15.0	1.8	95
MF48	15.0	15.8	0.6	75
MF48	15.8	16.8	1.0	100
MF48	16.8	18.0	1.2	100
MF48	18.0	19.0	0.8	80
MF48	19.0	19.8	0.6	75
MF48	19.8	20.8	0.9	90
MF48	20.8	21.8	0.9	90
MF48	21.8	23.0	1.2	100
MF48	23.0	23.9	0.9	100
MF48	23.9	25.0	1.1	100
MF48	25.0	26.9	1.9	100
MF48	26.9	27.9	1.0	100
MF48	27.9	28.6	0.7	100
MF48	28.6	29.6	0.9	90
MF48	29.6	31.6	2.0	100
MF48	31.6	32.6	0.9	90
MF48	32.6	34.1	1.5	100
MF48	34.1	35.7	1.6	100
MF48	35.7	37.25	1.6	100
MF48	37.25	38.2	1.0	100
MF48	38.2	38.9	0.7	100
MF48	38.9	39.6	0.7	100
MF48	39.6	40.5	0.9	100
MF48	40.5	42.0	1.5	100
MF48	42.0	43.6	1.5	94
MF48	43.6	45.0	1.4	100
MF48	45.0	47.0	1.8	90
MF48	47.0	47.8	0.6	75
MF48	47.8	50.0	2.0	91
MF48	50.0	51.0	0.9	90
MF48	51.0	53.0	2.0	100
MF48	53.0	55.5	2.5	100
MF48	55.5	57.0	1.5	100
MF48	57.0	60.0	3.0	100
MF48	60.0	63.0	3.0	100
MF48	63.0	66.0	3.0	100
MF48	66.0	69.0	3.0	100
MF48	69.0	72.0	3.0	100
MF48	72.0	75.0	3.0	100
MF48	75.0	78.0	3.0	100

END OF HOLE AT 78.0m

hole no MF49

			at	mag brg	AMG brg as read	AMG brg corrected	AMG brg as used	dip	comments
final depth	46.5	m	0	-	-	-	325.3	-61.4	Collar bearing and dip are as provided by surveyor.
			40	310	323	323	323	-63	All downhole bearings and dips were surveyed using a downhole camera.
east	366,410.80	AMG							
north	5,367,771.70	AMG							
rl	208.50	m							

PQ
HQTT 0.0m to 46.5m
NQTT
NQ
NQTT

commenced 27 May 2004
completed 28 May 2004

logged by Mick McKeown

drilled by Almac Drilling

analyses by SGS

COMMENTS

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF49

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
0.0	**0.2**	**TOPSOIL**									
		Brown topsoil									
		The interval is puggy.									
		The contact with the next interval is gradational - weathering.									
0.2	**20.0**	**VOLCANICLASTIC (50%) AND SILTSTONE (50%)**									
		Green grey and black, fine to coarse grained volcaniclastic (50%)and siltstone (50%); with trace crystalline pyrite near 19.3m; the rockmass is slightly weathered.									
		Beds in the volcaniclastic are up to 2m thick, in the siltstone down to 1mm thick.									
		The interval is very slightly vuggy and microfaulted.									
		BCA at 1.9m= 65 degrees. BCA at 4.9m = 60 degrees. BCA at 8.9m = 70 degrees. BCA at 16.7m = 65 degrees.									
		The interval is extremely broken, locally puggy.									
		The contact with the next interval is gradational - colour.									
20.0	**26.3**	**CRIMSON VOLCANICLASTIC (50%) AND SILTSTONE (50%)**	25.3	26.3	66	42	195	-15	-125	54	-25
		As from 0.2m to 20.0m but crimson in colour; with minor actinolite? as stringers and veinlets, sparse quartz as veinlets and lace veining.									
		BCA at 23.0m= 60 degrees. BCA at 24.5m = 70 degrees.									
		The interval is very broken.									
		The contact with the next interval is gradational - lithology.									
26.3	**34.2**	**GABBRO**	26.3	27.3	94	40	2770	70	-125	68	-25
			27.3	28.3	175	48	4850	375	-125	115	-25
		Dark brown and cream green, generally medium grained gabbro, fine grained to 30.7m	28.3	29.3	220	62	700	92	-125	155	-25
		(chilled margin), with sparse quartz and calcite as stringers and veinlets, trace pyrite/	29.3	30.3	260	68	415	68	-125	150	-25
		pentlandite as stringers, trace ironstaining of rockmass in part, sparse serpentine as	30.3	31.3	245	68	1020	72	-125	105	-25
		flecks and stringers.	31.3	32.3	245	64	825	100	-125	68	-25
			32.3	33.3	775	76	1850	570	-125	110	-25
		The interval is broken, extremely broken from 33.5m to 34.2m	33.3	34.2	4390	135	13200	7550	670	1820	375

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF49

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
		The contact with the next interval is sharp but broken.									
34.2	**34.8**	**GABBRO BRECCIA**	34.2	34.8	2270	110	6010	2340	360	1030	205
		Puggy, green grey gabbro breccia with clasts up to 5cm across.									
		The contact with the next interval is sharp but broken.									
34.8	**36.1**	**ROCK AND SERPENTINE: VEIN?**	34.8	36.1	725	60	9460	655	2120	7550	345
		Crudely banded, light brown rock and black serpentine? with common quartz and dolomite aligned parallel to banding: vein?									
		VCA=80 degrees.									
		The interval is extremely broken.									
		The contact with the next interval is sharp but broken.									
36.1	**42.4**	**VOLCANICLASTIC (50%) AND SILTSTONE (50%)**	36.1	37.1	125	56	1590	64	-125	165	-25
		Grey, green grey and black, fine to medium grained volcaniclastic (50%) and siltstone (50%); with sparse dolomite as vuggy stringers and veinlets, sparse quartz as vuggy stringers, trace disseminated crystalline pyrite.									
		Beds in the volcaniclastic are up to 0.5m thick, in the siltstone down to 1mm thick.									
		Beds are ruptured in part and bedding angles are variable. BCA at 38.5m = 25 degrees. BCA at 39.0m= 30 degrees. BCA at 39.7m = 45 degrees. BCA at 41.5m = 40 degrees.									
		The interval is extremely broken.									
		The contact with the next interval is sharp but broken.									
42.4	**44.6**	**RUBBLE**									
		As from 36.1m to 42.4m but driller recovered only rubble and noted "highly pressured 42.40 - 44.60"; note core loss (see recoveries).									
44.6	**46.5**	**VOLCANICLASTIC (50%) AND SILTSTONE (50%)**									
		As from 36.1m to 42.4m.									

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF49

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
		END OF HOLE AT 46.5m									

bhid	from	to	recovery	recovery
	m	m	m	%
MF49	0.0	2.7	2.7	100
MF49	2.7	4.0	1.0	77
MF49	4.0	5.3	1.0	77
MF49	5.3	6.6	1.2	92
MF49	6.6	8.5	1.7	89
MF49	8.5	9.4	0.6	67
MF49	9.4	10.4	0.8	80
MF49	10.4	11.5	0.3	27
MF49	11.5	13.7	2.2	100
MF49	13.7	14.5	0.8	100
MF49	14.5	15.3	0.7	87
MF49	15.3	16.1	0.6	75
MF49	16.1	17.4	0.8	62
MF49	17.4	18.1	0.5	71
MF49	18.1	18.8	0.7	100
MF49	18.8	19.6	0.8	100
MF49	19.6	20.5	0.9	100
MF49	20.5	21.3	0.8	100
MF49	21.3	21.9	0.6	100
MF49	21.9	23.7	1.8	100
MF49	23.7	26.5	1.8	64
MF49	26.5	29.5	2.7	90
MF49	29.5	32.5	3.0	100
MF49	32.5	34.2	1.7	100
MF49	34.2	34.8	0.5	83
MF49	34.8	35.5	0.4	57
MF49	35.5	36.3	0.7	88
MF49	36.3	36.9	0.5	83
MF49	36.9	38.2	1.3	100
MF49	38.2	40.4	2.0	91
MF49	40.4	41.5	1.0	91
MF49	41.5	42.4	0.8	89
MF49	42.4	43.2	0.5	62
MF49	43.2	44.5	1.3	100
MF49	44.5	44.6	0.1	100
MF49	44.6	44.9	0.3	100
MF49	44.9	46.5	1.6	100

END OF HOLE AT 46.5m

hole no MF50

			at	mag brg	AMG brg as read	AMG brg corrected	AMG brg as used	dip	comments
final depth	97.5	m	0	-	-	-	323.5	-42.7	Collar bearing and dip are as provided by surveyor.
			45	307	320	320	320	-47.5	All downhole bearings and dips were surveyed using a downhole camera.
east	366,349.70	AMG	92	310	323	323	323	-47.5	
north	5,367,749.30	AMG							
rl	206.60	m							

PQ
HQTT 0.0m to 97.5m
NQTT
NQ
NQTT

commenced 29 May 2004
completed 2 June 2004

logged by Mick McKeown

drilled by Almac Drilling

analyses by SGS

COMMENTS

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF50

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Ag ppm	Pt ppb	Pd ppb	Au ppb
0.0	**0.4**	**TOPSOIL**													
		Red brown topsoil.													
		The interval is puggy.													
		The contact with the next interval is gradational - weathering.													
0.4	**4.5**	**CLAY (AFTER ROCK)**													
		Green grey clay (after rock)													
		The interval is puggy.													
		The contact with the next interval is gradational - weathering.													
4.5	**6.1**	**VOLANICLASTIC AND SILTSTONE**	5.1	6.1	100	50	2050	-25	-25	150	-50	-5	5	2	4
		Grey and green grey, fine grained volcaniclastic and siltstone; with sparse clay on joints and fractures.													
		BCA at 4.7m = 80 degrees.													
		The interval is extremely broken.													
		The contact with the next interval is sharp but broken, probably not faulted.													
6.1	**13.8**	**GABBRO**	6.1	7.0	505	80	550	90	-25	195	-50	-5	4	-2	-2
			7.0	8.0	455	75	1200	78	-25	165	-50	-5	3	-2	-2
		Weathered, green and cream, coarse grained gabbro with slight ironstaining throughout the rockmass.	8.0	9.0	640	90	2150	72	96	330	-50	-5	3	-2	-2
			9.0	10.5	750	79	2250	170	66	455	-50	-5	5	-2	4
			10.5	12.0	4190	185	11600	2360	-25	655	-50	-5	73	101	42
		The interval is extremely broken and puggy in part.													
		The contact with the next interval is gradational - mineralisation.													
13.8	**19.1**	**MINERALISED GABBRO**	12.0	13.8	6890	305	20000	4950	630	2310	2800	26	121	169	63
			13.8	14.4	5850	315	21000	4000	-125	1100	340	-10	106	154	72
		Cream and green, medium grained gabbro, as from 6.1m to 13.8m; with minor grey and bronze, weathered sulphides as flecks and stringers, becoming more common from 17.6m to 18.0m; note total core loss from 18.0m to 18.6m (see core recoveries).	14.4	16.5	5800	270	16400	6510	-125	2830	-25	-10	162	209	178
			16.5	17.6	8050	320	31500	4630	190	1560	28	-10	123	142	151
			17.6	18.6	5080	140	8580	3920	930	1920	-25	-10	902	636	662
			18.6	19.1	1720	215	16100	7320	860	950	62	-10	120	115	169
		18.6m to 18.9m: gabbro pug. 18.9m to 19.0m: massive sulphide. 19.0m to 19.1m: fine grained gabbro: chilled margin.													

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF50

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Ag ppm	Pt ppb	Pd ppb	Au ppb
		The interval is slightly vuggy.													
		The interval is extremely broken and locally puggy.													
		The contact with the next interval is sharp but broken.													
19.1	**44.2**	**VOLCANICLASTIC (60%) AND SILTSTONE (40%)**	19.1	20.1	470	64	1920	125	-125	710	-25	-10	2.7	3.2	7
		Green grey, dark grey and black, fine to medium grained volcaniclastic (60%) and siltstone; with trace ironstaining on joints and fractures, trace quartz as stringers, the interval is slightly weathered in part.	43.2	44.2	195	64	960	130	-125	370	-25				
		Beds in the volcaniclastic are up to 2m thick, in the siltstone down to 1mm thick.													
		The interval is microfaulted.													
		Beds are ruptured in part. BCA at 24.4m = 65 degrees. BCA at29.4m = 60 degrees. BCA at 42.3m = 30 degrees.													
		The interval is extremely broken.													
		The contact with the next interval is sharp but broken, probably not faulted.													
44.2	**53.7**	**GABBRO**	44.2	45.0	610	92	240	160	-125	280	-25				
			45.0	46.0	575	92	245	185	180	220	-25				
		Dark green and cream green, medium grained gabbro, darker and finer from 49m to 53.7m; with sparse quartz as stringers.	46.0	47.0	755	100	1340	360	-125	480	-25				
			47.0	48.0	865	98	1620	460	-125	235	-25				
			48.0	49.0	760	88	1260	265	-125	86	-25				
		The interval is extremely broken to 47.0m, then generally unbroken.	49.0	50.0	355	72	705	110	-125	76	-25				
			50.0	51.0	350	74	995	105	-125	72	-25				
		The contact with the next interval is sharp at 70 degrees to the core axis, probably not faulted.	51.0	52.0	315	72	135	105	-125	76	-25				
			52.0	53.0	310	72	120	160	-125	90	-25				
			53.0	53.7	170	50	495	345	-125	88	-25				
53.7	**68.5**	**CRIMSON VOLCANICLASTIC (70%) AND SILTSTONE (30%)**	53.7	54.7	105	60	155	62	-125	115	-25				
		Crimson and much lesser green, fine to medium grained volcaniclastic (70%) and siltstone (30%); with sparse calcite and quartz as stringers and veinlets, sparse chlorite? on joints.													
		Beds in the volcaniclastic are up to 0.5m thick, in the siltstone down to 1mm thick.													
		The interval has a (hydraulically?) brecciated fabric in part.													

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF50

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Ag ppm	Pt ppb	Pd ppb	Au ppb
		Beds are ruptured in part and BCA is irregular. BCA at 54.7m = 50 degrees. BCA at 61.4m = 65 degrees. The contact with the next interval is gradational - colour.													
68.5	**70.4**	**PROTOVEIN** As from 53.7m to 68.5m but bleached? to grey and pink. 69.2m: 2 to 3cm true thickness dolomite-quartz vein , at low angle to core axis, with sparse sphalerite and galena as flecks, minor rhodochrosite as small patches. 70.3m: 2cm true thickness dolomite-quartz vein. The interval is very broken. The contact with the next interval is gradational - colour.													
70.4	**73.05**	**CRIMSON VOLCANICLASTIC (70%) AND SILTSTONE (30%)** As from 53.7m to 68.5m. The interval is generally unbroken. The contact with the next interval is sharp but irregular at a low angle to the core axis, not faulted.	72.0	73.05	92	58	135	-15	-125	70	-25				
73.05	**82.4**	**GABBRO** Dark green, light green and brown, medium grained gabbro, layered from 74.2m to 74.6m; with sparse calcite as stringers and veinlets, sparse quartz as stringers and veinlets, trace pyrite/pentlandite as flecks, for example near 79.4m. The interval has a (hydraulically) brecciated fabric in part. The interval is generally unbroken. The contact with the next interval is sharp and layered and at 30 degrees to the core axis.	73.05	74.0	275	68	385	125	-125	94	-25				
			74.0	75.0	245	68	1120	88	-125	82	-25				
			75.0	76.0	435	76	1400	205	-125	72	-25				
			76.0	77.0	1170	105	2320	620	-125	80	-25				
			77.0	78.0	1190	115	3870	670	-125	76	-25				
			78.0	79.0	1310	105	3050	720	-125	80	-25				
			79.0	80.0	1890	115	4690	1320	-125	78	-25				
			80.0	81.0	1180	86	2170	870	-125	82	-25				
			81.0	82.4	800	80	2680	500	-125	110	-25				
82.4	**90.9**	**CRIMSON VOLCANICLASTIC (50%) AND SILTSTONE (50%)** Crimson and lesser green, fine to medium grained volcaniclastic (50%) and siltstone; with sparse quartz and calcite as stringers becoming more common towards 90.9m. Beds in the volcaniclastic are up to 2m thick, in the siltstone down to 1mm thick.													

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF50

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Ag ppm	Pt ppb	Pd ppb	Au ppb
		Beds are ruptured in part and BCA is irregular. BCA at 88.4m = 50 degrees. The interval is broken. The contact with the next interval is gradational - colour.													
90.9	**91.8**	**PROTOVEIN** As from 82.4m to 90.9m but bleached to grey and green grey in colour. The interval is broken. The contact with the next interval is sharp at 40 degrees to the core axis.													
91.8	**92.1**	**VEIN** Dolomite-quartz vein with minor sphalerite and galena as flecks, small patches and stringers. VCA = 40 degrees. The interval is broken. The contact with the next interval is sharp at 40 degrees to the core axis.													
92.1	**93.1**	**PROTOVEIN** As from 90.9m to 91.8m. The contact with the next interval is gradational - colour.													
93.1	**97.5**	**CRIMSON VOLCANICLASTIC (50%) AND SILTSTONE (50%)** As from 82.4m to 90.9m. BCA at 95.0m = 70 degrees. The interval is broken. **END OF HOLE AT 97.5m.**													

bhid	from	to	recovery	recovery
	m	m	m	%
MF50	0.0	3.0	3.0	100
MF50	3.0	5.0	1.6	80
MF50	5.0	6.0	0.8	80
MF50	6.0	8.0	2.0	100
MF50	8.0	9.0	0.9	90
MF50	9.0	10.5	1.3	87
MF50	10.5	11.3	0.4	50
MF50	11.3	12.0	0.6	86
MF50	12.0	13.4	1.2	86
MF50	13.4	14.4	0.8	80
MF50	14.4	15.0	0.1	17
MF50	15.0	16.5	1.2	80
MF50	16.5	17.0	0.4	80
MF50	17.0	18.0	0.8	80
MF50	18.0	18.6	0.0	0
MF50	18.6	19.2	0.6	100
MF50	19.2	19.8	0.3	50
MF50	19.8	20.4	0.4	67
MF50	20.4	21.0	0.6	100
MF50	21.0	22.6	1.4	87
MF50	22.6	24.0	1.3	93
MF50	24.0	26.2	1.8	82
MF50	26.2	27.0	0.3	38
MF50	27.0	27.6	0.4	67
MF50	27.6	28.0	0.3	75
MF50	28.0	28.6	0.5	83
MF50	28.6	29.4	0.5	63
MF50	29.4	29.9	0.5	100
MF50	29.9	30.7	0.4	50
MF50	30.7	31.5	0.3	38
MF50	31.5	32.0	0.4	80
MF50	32.0	33.0	0.7	70
MF50	33.0	34.0	0.6	60
MF50	34.0	35.0	1.0	100
MF50	35.0	36.0	1.0	100
MF50	36.0	39.0	3.0	100
MF50	39.0	40.9	1.9	100
MF50	40.9	41.7	0.6	75
MF50	41.7	44.1	2.4	100
MF50	44.1	45.0	0.6	67
MF50	45.0	46.5	1.5	100
MF50	46.5	48.0	1.5	100
MF50	48.0	51.0	3.0	100
MF50	51.0	54.0	3.0	100
MF50	54.0	57.0	3.0	100
MF50	57.0	60.0	3.0	100
MF50	60.0	63.0	3.0	100
MF50	63.0	66.0	3.0	100
MF50	66.0	69.0	3.0	100
MF50	69.0	72.0	3.0	100
MF50	72.0	75.0	3.0	100
MF50	75.0	78.0	3.0	100
MF50	78.0	81.0	3.0	100
MF50	81.0	84.0	3.0	100
MF50	84.0	87.0	3.0	100
MF50	87.0	90.0	3.0	100
MF50	90.0	93.0	3.0	100
MF50	93.0	96.0	3.0	100
MF50	96.0	97.5	1.5	100

END OF HOLE AT 97.5m

hole no MF51

			at	mag brg	AMG brg as read	AMG brg corrected	AMG brg as used	dip	comments
final depth	56.0	m	0	-	-	-	323.7	-43.3	Collar bearing and dip are as provided by surveyor.
			50	305	318	318	318	-47.5	All downhole bearings and dips were surveyed using a downhole camera.
east	366,339.60	AMG							
north	5,367,738.70	AMG							
rl	206.60	m							

PQ
HQTT 0.0m to 56.0m
NQTT
NQ
NQTT

commenced 2 June 2004
completed 4 June 2004

logged by Mick McKeown

drilled by Almac Drilling

analyses by SGS

COMMENTS

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF51

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
0.0	**0.8**	**TOPSOIL**									
		Brown clay.									
		The interval is puggy.									
		The contact with the next interval is gradational - weathering.									
0.8	**3.0**	**CLAY AND WEATHERED ROCK**									
		Brown and grey clay and extremely weathered rock.									
		The interval is extremely broken and puggy.									
		The contact with the next interval is gradational - weathering.									
3.0	**42.8**	**VOLCANICLASTIC (50%) AND SILTSTONE (50%)**	41.8	42.8	330	66	1370	150	-125	555	-25
		Grey, green grey and black, fine to medium grained volcaniclastic (50%) and siltstone (50%); with sparse quartz as vuggy stringers, slight ironstaining on joints and fractures and throughout part of the rockmass, sparse fine crystalline pyrite as disseminations, sparse clay on joints and fractures, trace crystalline galena near 42.8m.									
		7.0m to 7.1m: pug and broken rock: fault? or re-drill at start of run? 22.8m to 23.0m: zone with dark pebbles sparsely distributed in siltstone									
		Beds in the volcaniclastic are up to 1m thick, in the siltstone down to 1mm thick.									
		The interval is microfaulted and slightly vuggy.									
		Beds are ruptured in part. BCA at 7.3m = 65 degrees. BCA at 11.2m= 50 degrees. BCA at 16.0m= 70 degrees. BCA at 20.0m = 45 degrees. BCA at 29.0m = 75 degrees. BCA at 34.8m = 75 degrees.									
		The interval is extremely broken.									
		The contact with the next interval is sharp but broken, not faulted.									
42.8	**52.85**	**GABBRO**	42.8	43.8	245	70	1260	140	-125	870	-25
			43.8	44.8	370	70	1160	98	-125	755	-25
		Dark green and cream, medium grained gabbro with trace ironstaining of rockmass in	44.8	45.8	595	88	1250	160	-125	575	-25
		part, sparse serpentine as stringers and veinlets, trace quartz as stringers, trace	45.8	46.8	540	88	1320	145	-125	165	-25

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF51

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
		disseminated pyrite/pentlandite.	46.8	47.8	545	88	1550	155	-125	220	-25
			47.8	48.8	510	88	1510	130	-125	250	-25
		The interval is very broken and extremely broken.	48.8	49.8	460	84	1380	115	-125	220	-25
			49.8	50.8	450	86	1110	120	-125	315	-25
		The contact with the next interval is sharp but broken, not faulted.	50.8	51.8	385	80	1320	100	-125	165	-25
			51.8	52.85	370	80	900	110	-125	125	-25
52.85	**56.0**	**VOLCANICLASTIC AND SILTSTONE**	52.85	53.85	125	56	1800	765	-125	165	-25
		Grey and green grey, fine to medium grained volcaniclastic and siltstone; with sparse quartz and dolomite as stringers and veinlets, spars crystalline pyrite near 52.8m, sparse sphalerite associated with dolomite and quartz from 54.8m to 54.9m.									
		BCA at 54.0m = 65 degrees.									
		END OF HOLE AT56.0m									

bhid	from	to	recovery	recovery
	m	m	m	%
MF51	0.0	3.0	3.0	100
MF51	3.0	4.0	0.8	80
MF51	4.0	4.9	0.7	78
MF51	4.9	6.0	0.6	55
MF51	6.0	7.0	0.5	50
MF51	7.0	8.0	0.6	60
MF51	8.0	9.0	0.6	60
MF51	9.0	10.2	0.7	58
MF51	10.2	11.0	0.8	100
MF51	11.0	11.9	0.7	78
MF51	11.9	13.0	0.8	73
MF51	13.0	14.0	0.2	20
MF51	14.0	16.1	1.4	67
MF51	16.1	17.0	0.6	67
MF51	17.0	18.4	1.2	86
MF51	18.4	19.6	1.1	92
MF51	19.6	21.8	1.9	86
MF51	21.8	22.6	0.7	87
MF51	22.6	24.3	1.2	71
MF51	24.3	25.1	0.5	62
MF51	25.1	25.4	0.2	67
MF51	25.4	26.0	0.3	50
MF51	26.0	27.8	1.7	94
MF51	27.8	29.0	1.2	100
MF51	29.0	32.0	3.0	100
MF51	32.0	35.0	3.0	100
MF51	35.0	38.0	3.0	100
MF51	38.0	40.1	1.9	90
MF51	40.1	41.8	1.2	71
MF51	41.8	42.6	0.6	75
MF51	42.6	44.1	1.2	80
MF51	44.1	45.3	1.0	83
MF51	45.3	46.9	1.6	100
MF51	46.9	48.4	1.5	100
MF51	48.4	49.9	1.5	100
MF51	49.9	52.6	2.7	100
MF51	52.6	54.9	2.3	100
MF51	54.9	56.0	1.1	100

END OF HOLE AT 56.0m

hole no MF52

			at	mag brg	AMG brg as read	AMG brg corrected	AMG brg as used	dip	comments
final depth	93.4	m	0	-	-	-	297.3	-38.7	Collar bearing and dip are as provided by surveyor.
			45	273	286	286	286	-48.5	All downhole bearings and dips were surveyed using a downhole camera.
east	366,371.30	AMG	90	273	286	286	286	-48.5	
north	5,367,666.30	AMG							
rl	211.30	m							

PQ
HQTT 0.0m to 93.4m
NQTT
NQ
NQTT

commenced 7 June 2004
completed 10 June 2004

logged by Mick McKeown

drilled by Almac Drilling

analyses by SGS

COMMENTS

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF52

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
0.0	**0.2**	**TOPSOIL** Red brown topsoil. The interval is puggy. The contact with the next interval is gradational - weathering.									
0.2	**8.0**	**CLAYSTONE** Red brown, orange brown and light brown, ironstained claystone (after rock). The interval is extremely broken and puggy. The contact with the next interval is gradational - weathering.									
8.0	**19.3**	**VOLCANICLASTIC (50%) AND SILTSTONE (50%)** Grey, dark grey, green grey and orange brown (ironstained) fine to medium grained volcaniclastic (50%) and siltstone (50%); with abundant ironstaining on joints and fractures and throughout rockmass, sparse chlorite? as stringers. Beds in the volcaniclastic are up to 1m thick, in the siltstone down to 0.5mm thick. The interval is slightly vuggy. BCA at 8.7m = 85 degrees. BCA at 9.6m = 60 degrees. BCA at 18.3m = 60 degrees. The interval is extremely broken. The contact with the next interval is gradational - colour.									
19.3	**30.0**	**CRIMSON VOLCANICLASTIC (50%) AND SILTSTONE (50%)** As from 8.0m to 19.3m but crimson and much lesser grey in colour and not weathered. BCA at 20.0m = 70 degrees. BCA at 23.1m = 70 degrees. BCA at 25.5m = 90 degrees. BCA at 28.6m = 90 degrees. The interval is extremely broken. The contact with the next interval is gradational - colour.									

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF52

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
30.0	**30.9**	**VOLCANICLASTIC (50%) AND SILTSTONE (50%)**	29.9	30.9	76	39	1600	92	-25	165	-50
		As from 8.0m to 19.3m.									
		The interval is extremely broken.									
		The contact with the next interval is sharp but broken, not faulted.									
30.9	**35.2**	**GABBRO**	30.9	31.9	310	53	-250	140	30	650	-50
			31.9	32.9	210	33	-250	165	110	370	75
		Orange brown (ironstained), weathered, medium grained gabbro.	32.9	33.9	265	30	-250	225	46	420	-50
			33.9	35.2	500	37	-250	310	86	470	95
		The interval is extremely broken and puggy.									
		The contact with the next interval is sharp at 40 degrees to the core axis and coincides with the end of weathering, not faulted.									
35.2	**40.2**	**GABBRO**	35.2	36.2	7450	390	25000	8100	36	390	-50
			36.2	37.2	11700	330	38500	9410	-25	205	-50
		Dark green and cream green, medium grained gabbro with minor pyrite/pentlandite as	37.2	38.2	9250	275	31500	7820	-25	205	-50
		flecks and stringers, sparse quartz as stringers.	38.2	39.2	2560	115	9300	5810	-25	160	-50
			39.2	40.2	565	91	1400	260	-25	240	-50
		The interval is very broken.									
		The contact with the next interval is gradational - mineralisation.									
40.2	**40.9**	**GOSSAN**	40.2	40.9	1330	69	750	545	66	605	-50
		Gabbro as in previous intervals with common ironstone (gossan?); note core loss (see recoveries).	40.9	41.9	140	66	2300	-25	-25	215	-50
		The interval is very broken.									
			65.3	66.3	100	60	1760	76	-125	165	-25
		The contact with the next interval is sharp but broken, probably not faulted.									
40.9	**59.0**	**VOLCANICLASTIC (70%) AND SILTSTONE (30%)**									
		Green grey, grey and black, fine to medium grained volcaniclastic (70%) and siltstone (30%); with sparse ironstaining on joints and fractures and in rockmass in part, sparse quartz as stringers, sparse quartz and dolomite as broken veinlets and veins.									
		Beds in the volcaniclastic are up to 0.5m thick, in the siltstone down to 1mm thick.									
		50.8m: rounded pellets of cherty siltstone in fine grained volcaniclastic. 51.9m to 52.0m: broken quartz dolomite vein with sparse galena and pyrite									

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF52

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
		The interval is microfaulted and slightly vuggy. Beds are ruptured in part. BCA at 44.2m = 85 degrees BCA at 47.0m = 80 degrees BCA at 48.8m = 45 degrees BCA at 51.6m = 40 degrees BCA at 54.8m = 65 degrees BCA at 56.3m = 45 degrees BCA at 58.6m = 65 degrees The interval is extremely broken. The contact with the next interval is sharp at 75 degrees to the core axis.									
59.0	**60.0**	**VEIN** Quartz dolomite vein with common sphalerite and galena banded parallel to VCA, trace chalcopyrite as fine flecks. VCA = 70 degrees. The interval is extremely broken. The contact with the next interval is sharp at 70 degrees to the core axis.									
60.0	**66.3**	**VOLCANICLASTIC (70%) AND SILTSTONE (30%)** As from 40.9m to 59.0m. BCA at 62.0m = 60 degrees. The interval is broken. The contact with the next interval is sharp but broken, not faulted.									
66.3	**71.9**	**GABBRO** Olive green to dark green and brown, medium grained gabbro with minor quartz as stringers and veinlets concentrated from 66.3m to 68.3m, sparse black silicate? as stringers and veinlets from 71.7m to 71.9m. There is a 10cm zone with a brecciated fabric at 66.5m with very fine grained gabbro (dolerite) and minor serpentine; not a fault.	66.3 67.3 68.3 69.3 70.3	67.3 68.3 69.3 70.3 71.9	370 495 505 395 410	80 74 84 76 80	355 230 930 585 695	76 125 125 105 96	-125 -125 -125 -125 -125	150 80 155 210 245	-25 -25 -25 -25 -25

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF52

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
		The interval is slightly vuggy from 71.8m to71.9m. The interval is generally unbroken. The contact with the next interval is sharp but broken, probably not faulted.									
71.9	**79.0**	**VOLCANICLASTIC (50%) AND SILTSTONE (50%)** Green grey and much lesser purple (axinitic?), fine grained volcaniclastic (50%) and siltstone (50%); with trace quartz and calcite as stringers, trace pyrite as blebs. Beds in the volcaniclastic are up to 1m thick, in the siltstone down to 1mm thick. The interval is microfaulted. BCA at 73.9m = 70 degrees. BCA at 77.9m = 65 degrees. The interval is generally unbroken. The contact with the next interval is gradational - colour.	71.9	72.9	110	62	3510	-15	-125	92	-25
79.0	**89.9**	**CRIMSON VOLCANICLASTIC (50%) AND SILTSTONE (50%)** As from 71.9m to 79.0m but crimson and lesser green grey and green in colour; with sparse actinolite? as stringers, veinlets and veins, sparse quartz and calcite as stringers, sparse vuggy quartz-dolomite veins, trace ironstaining on joints. Beds are ruptured in part. BCA at 81.3m = 75 degrees. BCA at 84.7m = 70 degrees. The interval is generally unbroken. The contact with the next interval is sharp at 65 degrees to the core axis.									
89.9	**90.2**	**VEIN** Quartz dolomite vein with minor sphalerite, sparse galena and common chlorite? The interval is vuggy. The interval is generally unbroken. The contact with the next interval is sharp but somewhat irregular at 70 degrees to the core axis.									

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF52

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
90.2	**93.4**	**VOLCANICLASTIC (50%) AND SILTSTONE (50%)**									
		Green grey, pink grey and brown grey, fine to medium grained volcaniclastic (50%) and cherty siltstone (50%); with minor quartz and dolomite as stringers and veinlets.									
		BCA at 91.8m = 70 degrees.									
		The interval is broken.									
		END OF HOLE AT 93.4m									

bhid	from	to	recovery	recovery
	m	m	m	%
MF52	0.0	4.0	3.0	75
MF52	4.0	5.0	0.7	70
MF52	5.0	6.0	0.7	70
MF52	6.0	7.0	0.2	20
MF52	7.0	8.0	0.3	30
MF52	8.0	8.9	0.8	89
MF52	8.9	10.1	1.2	100
MF52	10.1	10.9	0.5	62
MF52	10.9	12.0	0.6	55
MF52	12.0	13.0	1.0	100
MF52	13.0	14.0	0.8	80
MF52	14.0	15.2	0.8	67
MF52	15.2	16.6	1.2	86
MF52	16.6	18.8	2.0	91
MF52	18.8	20.0	1.2	100
MF52	20.0	22.6	2.0	77
MF52	22.6	24.8	2.0	91
MF52	24.8	27.8	3.0	100
MF52	27.8	28.7	0.9	100
MF52	28.7	29.9	0.4	33
MF52	29.9	30.3	0.3	75
MF52	30.3	31.1	0.5	62
MF52	31.1	33.2	1.9	90
MF52	33.2	34.1	0.6	67
MF52	34.1	35.0	0.6	67
MF52	35.0	35.9	0.9	100
MF52	35.9	37.0	1.0	91
MF52	37.0	39.1	2.1	100
MF52	39.1	41.0	1.4	74
MF52	41.0	42.6	1.6	100
MF52	42.6	43.6	0.8	80
MF52	43.6	45.4	1.8	100
MF52	45.4	47.0	1.6	100
MF52	47.0	49.0	1.8	90
MF52	49.0	50.0	1.0	100
MF52	50.0	51.9	1.9	100
MF52	51.9	52.6	0.7	100
MF52	52.6	54.5	1.9	100
MF52	54.5	55.7	1.2	100
MF52	55.7	57.7	2.0	100
MF52	57.7	59.0	1.3	100
MF52	59.0	61.6	2.6	100
MF52	61.6	63.2	1.6	100
MF52	63.2	64.7	1.5	100
MF52	64.7	66.3	1.6	100
MF52	66.3	68.0	1.7	100
MF52	68.0	71.0	3.0	100
MF52	71.0	73.7	2.7	100
MF52	73.7	76.9	3.2	100
MF52	76.9	80.0	3.1	100
MF52	80.0	83.0	3.0	100
MF52	83.0	86.0	3.0	100
MF52	86.0	89.0	3.0	100
MF52	89.0	92.0	3.0	100
MF52	92.0	93.4	1.4	100

END OF HOLE AT 93.4m

hole no MF53

			at	mag brg	AMG brg as read	AMG brg corrected	AMG brg as used	dip	comments
final depth	58.0	m	0	-	-	-	290.9	-44.9	Collar bearing and dip are as provided by surveyor.
			50	277	290	290	290	-47.5	All downhole bearings and dips were surveyed using a downhole camera.
east	366,369.30	AMG							
north	5,367,664.70	AMG							
rl	210.00	m							

PQ
HQTT 0.0m to 58.0m
NQTT
NQ
NQTT

commenced 11 June 2004
completed 14 June 2004

logged by Mick McKeown

drilled by Almac Drilling

analyses by SGS

COMMENTS

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF53

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Ag ppm	Pt ppb	Pd ppb	Au ppb
0.0	**0.6**	**TOPSOIL**													
		Brown topsoil.													
		The interval is puggy.													
		The contact with the next interval is gradational - weathering.													
0.6	**6.8**	**CLAY**													
		Orange brown and lesser brown, ironstained clay (after rock).													
		The interval is puggy.													
		The contact with the next interval is gradational - weathering.													
6.8	**14.4**	**CLAY AND CLAYSTONE**													
		Orange, grey, brown and crimson clay (after rock) and claystone (after rock); with abundant ironstaining throughout rockmass and on joints and fractures.													
		The interval is extremely broken and puggy.													
		The contact with the next interval is sharp but broken.													
14.4	**15.6**	**VEIN**													
		Quartz vein, rubble only recovered some core loss (see recoveries).													
		The interval is vuggy.													
		The interval is rubbly.													
		The contact with the next interval is sharp but broken.													
15.6	**24.8**	**CLAY AND CLAYSTONE**	23.8	24.8	255	34	255	175	-125	305	-25	-10	1.7	-0.5	4
		As from 6.8m to 14.4m.													
		22.4m to 22.7m: vuggy quartz vein, only rubble recovered.													
		The interval is rubbly.													
		The contact with the next interval is gradational - lithology.													
24.8	**28.8**	**GABBRO**	24.8	25.5	490	62	145	225	-125	510	-25	-10	2.3	2.6	3

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF53

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Ag ppm	Pt ppb	Pd ppb	Au ppb
			25.5	26.5	665	58	1090	1490	-125	275	92	-10	21	24.2	12
		Light and dark green, very ironstained, fine to medium grained gabbro with minor sulphides as flecks and stringers.	26.5	27.5	3860	220	11200	6060	-125	395	875	-10	117	138	102
			27.5	28.8	1150	60	730	1600	-125	355	235	-10	55.8	63.4	75
		The interval is very broken.	28.8	29.8	600	82	1040	2730	-125	185	-25	-10	19.9	32.2	18
		The contact with the next interval is sharp but broken.													
28.8	**55.1**	**VOLCANICLASTIC (50%) AND SILTSTONE (50%)**													
		Grey, black and green grey, fine grained volcaniclastic (50%) and siltstone (50%); with trace ironstaining on joints and fractures and through rockmass in part, sparse quartz, dolomite and chlorite as stringers, veinlets and veins, sparse pyrite as veins.													
		Beds in the volcaniclastic are up to 0.5m thick, in the siltstone down to 1mm thick.													
		46.5m to 46.6m: broken vuggy quartz vein, only rubble recovered. 55.1m to 55.4m: broken, vuggy dolomite-galena vein with minor quartz as stringers, sparse sphalerite as flecks and stringers; VCA = 70 degrees.													
		The interval is slightly vuggy and microfaulted.													
		Beds are ruptured in part. BCA at 30.4m = 70 degrees. BCA at 34.5m = 85 degrees. BCA at 36.5m = 85 degrees. BCA at 40.4m = 80 degrees. BCA at 43.7m = 85 degrees. BCA at 49.0m = 60 degrees. BCA at 51.1m = 45 degrees. BCA at 52.5m = 60 degrees.													
		The interval is very broken and extremely broken.													
		END OF HOLE AT 58.0m													

bhid	from	to	recovery	recovery	
	m	m	m	%	
MF53	0.0	3.8	3.8	100	
MF53	3.8	5.2	1.0	71	
MF53	5.2	7.8	2.6	100	
MF53	7.8	8.5	0.4	57	
MF53	8.5	10.1	1.6	100	
MF53	10.1	11.7	0.9	56	
MF53	11.7	12.3	0.6	100	
MF53	12.3	13.4	0.8	73	
MF53	13.4	15.0	0.5	31	sludge
MF53	15.0	15.5	0.1	20	
MF53	15.5	16.2	0.6	86	
MF53	16.2	17.0	0.8	100	
MF53	17.0	18.0	0.8	80	
MF53	18.0	19.2	1.1	92	
MF53	19.2	22.0	2.8	100	
MF53	22.0	22.7	0.4	57	
MF53	22.7	24.3	1.6	100	
MF53	24.3	25.5	1.0	83	
MF53	25.5	26.5	0.8	80	
MF53	26.5	28.1	1.4	87	
MF53	28.1	29.5	1.2	86	
MF53	29.5	30.5	0.9	90	
MF53	30.5	31.5	0.9	90	
MF53	31.5	34.0	2.5	100	
MF53	34.0	35.5	1.3	87	
MF53	35.5	37.6	1.8	86	
MF53	37.6	39.5	1.8	95	
MF53	39.5	42.5	2.9	97	
MF53	42.5	43.5	0.8	80	
MF53	43.5	45.2	1.4	82	
MF53	45.2	46.5	1.0	77	
MF53	46.5	48.7	2.2	100	
MF53	48.7	50.2	1.5	100	
MF53	50.2	51.4	1.2	100	
MF53	51.4	52.4	1.0	100	
MF53	52.4	53.5	1.1	100	
MF53	53.5	55.0	1.5	100	
MF53	55.0	55.5	0.5	100	
MF53	55.5	56.3	0.7	88	
MF53	56.3	58.0	1.7	100	

END OF HOLE AT 58.0m

hole no MF54

			at	mag brg	AMG brg as read	AMG brg corrected	AMG brg as used	dip	comments
final depth	92.0	m	0	-	-	-	323.3	-44.9	Collar bearing and dip are as provided by surveyor.
			45	310	323	323	323	-47	All downhole bearings and dips were surveyed using a downhole camera.
east	366,371.20	AMG	70	308	321	321	321	-49	
north	5,367,700.50	AMG							
rl	208.60	m							

PQ
HQTT 0.0m to 92.0m
NQTT
NQ
NQTT

commenced 14 June 2004
completed 17 June 2004

logged by Mick McKeown

drilled by Almac Drilling

analyses by SGS

COMMENTS

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF54

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
0.0	**0.3**	**TOPSOIL** Brown topsoil. The interval is puggy. The contact with the next interval is gradational - weathering.									
0.3	**4.4**	**CLAY** Brown, green brown and orange brown, ironstained clay (after rock). The interval is puggy. The contact with the next interval is gradational - weathering.									
4.4	**7.5**	**CLAYSTONE** Grey, brown grey, cream and black claystone (after rock) with minor quartz as veins. BCA at 7.4m = 80 degrees. The interval is puggy. The contact with the next interval is gradational - weathering.									
7.5	**18.7**	**VOLCANICLASTIC (50%) AND SILTSTONE (50%)** Grey, green grey and black, fine to medium grained volcaniclastic (50%) and siltstone (50%); with sparse ironstaining on joints and fractures and through rockmass in part. Beds in the volcaniclastic are up to 0.5m thick, in the siltstone down to 1mm thick. The interval is microfolded and microfaulted. Beds are ruptured in part. BCA at 9.3m = 90 degrees. BCA at 11.5m = 90 degrees. BCA at 16.1m = 85 degrees. The interval is extremely broken. The contact with the next interval is sharp but broken.									
18.7	**28.9**	**VOLCANICLASTIC (50%) AND SILTSTONE (50%)**									

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF54

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
		As from 7.5m to 18.7m but extremely broken and reduced to rubble and pug with several zones of breccia and pug; with minor black serpentine? on fractures; some core losses (see recoveries). 20.2m to 20.3m: pug and breccia with clasts up to 1cm across. 22.8m to 23.0m: breccia with clasts up to 1cm across in a hard matrix. 24.0m to 24.1m: breccia with clasts up to 1cm across in pug. 28.0m to 28.1m: breccia with clasts up to 5cm across in pug. The interval is extremely broken, rubbly and puggy. The contact with the next interval is sharp but broken.									
28.9	**47.5**	**VOLCANICLASTIC (50%) AND SILTSTONE (50%)** Grey, black and green grey, fine to medium grained volcaniclastic (50%) and siltstone (50%); with sparse quartz as stringers, veinlets, vuggy in part, sparse ironstaining on joints and fractures, trace serpentine as veinlets. Beds in the volcaniclastic are up to 0.5m thick, in the siltstone down to 1mm thick. The interval is slightly vuggy, microfolded and microfaulted. Beds are ruptured in part. BCA at 29.7m = 40 degrees. BCA at 31.1m = 30 degrees. BCA at 35.9m = 40 degrees. BCA at 38.6m = 55 degrees. BCA at 45.2m = 55 degrees. The interval is extremely broken, puggy in part. The contact with the next interval is sharp but broken.									
47.5	**49.0**	**PROTOVEIN** Broken, dark rock with common quartz; only rubble recovered and core recoveries were poor: protovein. The interval is rubbly. The contact with the next interval is sharp but broken.									
49.0	**69.85**	**VOLCANICLASTIC (50%) AND SILTSTONE (50%)**	68.85	69.85	70	34	1250	-15	-125	175	-25

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF54

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
		As from 28.9m to 47.5m; with minor quartz and dolomite as stringers and veinlets becoming locally common towards 69.85m.									
		57.8m to 57.9m: shear at 60 degrees to the core axis, parallel to bedding.									
		BCA at 49.8m = 70 degrees. BCA at 53.5m = 60 degrees. BCA at 58.9m = 55 degrees. BCA at 65.9m = 50 degrees. BCA at 67.4m = 40 degrees.									
		The interval is extremely broken.									
		The contact with the next interval is sharp at 65 degrees to the core axis, not faulted.									
69.85	**83.7**	**GABBRO**	69.85	71.0	250	68	400	94	-125	74	-25
			71.0	72.0	340	72	1380	88	-125	110	-25
		Cream, brown, black and green, medium grained gabbro, fine grained from 69.85m to	72.0	73.0	645	88	305	140	-125	105	-25
		70.9m (chilled margin), with sparse quartz and dolomite as stringers and veinlets, vuggy	73.0	74.0	515	74	2180	145	430	205	-25
		in part, sparse serpentine? as stringers and lace veining, trace, locally abundant	74.0	75.0	465	78	940	120	-125	125	-25
		pyrite/pentlandite as flecks (see assays).	75.0	76.0	390	76	770	110	-125	68	-25
			76.0	77.0	410	78	885	120	-125	78	-25
		The interval is broken.	77.0	78.0	370	76	1230	125	-125	80	-25
			78.0	79.0	315	68	330	125	-125	96	-25
		The contact with the next interval is sharp at 40 degrees to the core axis, not faulted.	79.0	80.0	340	70	595	115	-125	86	-25
			80.0	81.0	330	72	510	105	-125	74	-25
			81.0	82.0	320	72	56	105	-125	72	-25
			82.0	83.0	360	72	-20	110	-125	82	-25
			83.0	83.7	255	66	2540	88	-125	86	-25
83.7	**92.0**	**VOLCANICLASTIC (80%) AND SILTSTONE (20%)**	83.7	84.7	130	60	220	-15	-125	56	-25
		Crimson and lesser green, fine to medium grained volcaniclastic (80%) and siltstone (20%); with sparse dolomite as stringers and veinlets.									
		Beds in the volcaniclastic are up to 2m thick, in the siltstone down to 1mm thick.									
		BCA at 84.7m = 45 degrees. BCA at 89.3m = 70 degrees.									
		The interval is broken.									
		END OF HOLE AT 92.0m									

bhid	from	to	recovery	recovery
	m	m	m	%
MF54	0.0	3.3	3.1	94
MF54	3.3	5.0	1.6	94
MF54	5.0	5.9	0.5	56
MF54	5.9	7.2	0.8	62
MF54	7.2	8.0	0.5	63
MF54	8.0	10.2	2.0	91
MF54	10.2	11.0	0.6	75
MF54	11.0	12.0	0.8	80
MF54	12.0	13.0	0.3	30
MF54	13.0	13.6	0.3	50
MF54	13.6	15.0	1.1	79
MF54	15.0	15.6	0.4	67
MF54	15.6	16.1	0.2	40
MF54	16.1	16.7	0.5	83
MF54	16.7	18.0	1.0	77
MF54	18.0	18.9	0.5	56
MF54	18.9	20.0	0.9	82
MF54	20.0	20.8	0.8	100
MF54	20.8	21.6	0.7	87
MF54	21.6	23.0	1.4	100
MF54	23.0	24.0	0.1	10
MF54	24.0	24.8	0.6	75
MF54	24.8	25.3	0.4	80
MF54	25.3	26.0	0.5	71
MF54	26.0	26.8	0.6	75
MF54	26.8	27.8	0.7	70
MF54	27.8	29.0	0.7	58
MF54	29.0	30.0	1.0	100
MF54	30.0	31.0	1.0	100
MF54	31.0	32.0	0.7	70
MF54	32.0	33.1	1.1	100
MF54	33.1	34.7	1.6	100
MF54	34.7	35.6	0.9	100
MF54	35.6	36.5	0.7	78
MF54	36.5	37.5	0.8	80
MF54	37.5	38.7	1.0	83
MF54	38.7	40.2	1.5	100
MF54	40.2	41.0	0.5	63
MF54	41.0	42.5	1.3	87
MF54	42.5	43.2	0.5	71
MF54	43.2	43.7	0.4	80
MF54	43.7	44.3	0.6	100
MF54	44.3	46.9	2.6	100
MF54	46.9	47.5	0.4	67
MF54	47.5	48.3	0.3	38
MF54	48.3	48.5	0.1	50
MF54	48.5	48.9	0.2	50
MF54	48.9	49.7	0.5	62
MF54	49.7	50.8	1.1	100
MF54	50.8	51.5	0.7	100
MF54	51.5	53.0	1.3	87
MF54	53.0	53.6	0.5	83
MF54	53.6	54.7	0.9	82
MF54	54.7	55.3	0.4	67
MF54	55.3	55.9	0.4	67
MF54	55.9	57.0	0.8	73
MF54	57.0	57.6	0.4	67
MF54	57.6	59.8	1.4	64
MF54	59.8	61.9	2.1	100
MF54	61.9	62.8	0.9	100
MF54	62.8	63.6	0.8	100
MF54	63.6	64.3	0.7	100
MF54	64.3	65.0	0.5	71
MF54	65.0	65.8	0.6	75
MF54	65.8	67.0	1.2	100
MF54	67.0	68.0	1.0	100
MF54	68.0	71.0	3.0	100

MF54	71.0	74.0	3.0	100
MF54	74.0	77.0	3.0	100
MF54	77.0	80.0	3.0	100
MF54	80.0	83.0	3.0	100
MF54	83.0	86.0	3.0	100
MF54	86.0	89.0	3.0	100
MF54	89.0	92.0	3.0	100

END OF HOLE AT 92.0m

hole no MF55

			at	mag brg	AMG brg as read	AMG brg corrected	AMG brg as used	dip	comments
final depth	58.0	m	0	-	-	-	283.8	-48.3	Collar bearing and dip are as provided by surveyor.
			52	270	283	283	283	-48	All downhole bearings and dips were surveyed using a downhole camera.
east	366,345.90	AMG							
north	5,367,672.90	AMG							
rl	210.50	m							
PQ									
HQTT	0.0m to 58.0m								
NQTT									
NQ									
NQTT									
commenced	18 June 2004								
completed	20 June 2004								
logged by	Mick McKeown								
drilled by	Almac Drilling								
analyses by	SGS								

COMMENTS

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF55

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
0.0	**0.6**	**TOPSOIL**									
		Red brown topsoil and clay.									
		The interval is puggy.									
		The contact with the next interval is gradational - weathering.									
0.6	**3.0**	**CLAYSTONE**									
		Orange and red brown, ironstained claystone (after rock).									
		The interval is extremely broken and puggy.									
		The contact with the next interval is gradational - weathering.									
3.0	**14.4**	**VOLCANICLASTIC (40%) AND SILTSTONE (60%)**	13.4	14.4	395	100	59500	380	175	235	-50
		Light brown, orange, brown and crimson, fine to medium grained volcaniclastic (40%) and siltstone (60%); with abundant ironstaining on joints and fractures and throughout rockmass, sparse crystalline pyrite from 13.2m to 14.4m, dark spotting from 13.7m to 13.9m.									
		Beds in the volcaniclastic are up to 1m thick, in the siltstone down to 1mm thick.									
		BCA at 5.3m= 80 degrees. BCA at 12.1m = 80 degrees.									
		The interval is very broken, extremely broken and puggy.									
		The contact with the next interval is sharp but irregular, not faulted.									
14.4	**20.8**	**GABBRO**	14.4	15.4	480	62	550	290	-25	725	-50
			15.4	16.4	790	72	-250	125	-25	650	-50
		Dark green, light green and orange brown (ironstained), medium grained gabbro with trace disseminated pyrite towards 20.8m.	16.4	17.4	725	79	350	255	-25	605	-50
			17.4	18.4	935	96	2250	460	-25	280	-50
			18.4	19.4	2040	120	3000	1330	-25	420	-50
		The interval is very broken, locally extremely broken.	19.4	20.8	8630	220	26500	24000	44	290	-50
		The contact with the next interval is sharp but broken, probably not faulted.									
20.8	**39.8**	**VOLCANICLASTIC (70%) AND SILTSTONE (30%)**	20.8	21.8	550	50	300	1770	-25	225	-50
		Light grey, dark grey and black, fine to medium grained volcaniclastic (70%) and siltstone (30%); with minor ironstaining on joints and fractures and through rockmass in part.									

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF55

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
		Beds in the volcaniclastic are up to 1m thick, in the siltstone down to 1mm thick. The interval is microfaulted. BCA at 26.5m = 80 degrees. BCA at 29.1m= 90 degrees. BCA at 33.4m= 70 degrees. BCA at 36.9m= 80 degrees. The interval is extremely broken. The contact with the next interval is gradational - quartz content.									
39.8	**41.0**	**FAULT OR PROTOVEIN?** Dark grey and black, (hydraulically?) brecciated rock with minor quartz as stringers and small patches, sparse ironstaining on joints and fractures: fault or protovein? The interval is extremely broken and puggy. The contact with the next interval is gradational - quartz content.									
41.0	**49.1**	**VOLCANICLASTIC (50%) AND SILTSTONE (50%)** Grey, green grey, green and cream, fine to medium grained volcaniclastic (50%) and siltstone (50%); with sparse quartz as stringers and veinlets, sparse dolomite as lace veining, sparse ironstaining on joints and fractures. Beds in the volcaniclastic are up to 1m thick, in the siltstone down to 1mm thick. 44.85m to 45.00m: very broken, vuggy, cream dolomite vein with minor included rock, minor crystalline sphalerite. The interval is microfaulted. Bedding is somewhat irregular. BCA at 42.4m = 45 degrees. BCA at 43.5m = 55 degrees. BCA at 45.5m = 90 degrees. BCA at 48.5m= 70 degrees. The interval is broken, very broken and extremely broken. The contact with the next interval is sharp and marked by quartz veining, probably faulted.	48.1	49.1	130	58	400	54	-25	130	-50

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF55

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
49.1	**52.6**	**GABBRO**	49.1	50.1	580	89	300	105	-25	130	-50
			50.1	51.1	355	74	500	86	-25	94	-50
		Light green and black, medium grained gabbro with sparse calcite as stringers,	51.1	52.1	330	73	550	66	-25	105	-50
		veinlets and lace veining, sparse serpentine as stringers and veinlets, sparse quartz as	52.1	52.6	305	72	900	200	-25	125	-50
		stringers and veinlets, becoming locally common near contact at 49.1m									
		The interval is very broken.									
		The contact with the next interval is sharp ay 60 degrees to the core axis, not faulted.									
52.6	**58.0**	**VOLCANICLASTIC (80%) AND SILTSTONE (20%)**	52.6	53.6	115	62	400	-25	-25	94	-50
		Green, fine grained volcaniclastic and siltstone; with sparse quartz and dolomite as stringers and veinlets.									
		The interval is microfaulted.									
		Bedding is somewhat irregular. BCA at 53.2m = 25 degrees. BCA at 57.9m = 55 degrees.									
		The interval is broken.									
		END OF HOLE AT 58.0m									

bhid	from	to	recovery	recovery
	m	m	m	%
MF55	0.0	3.0	2.7	90
MF55	3.0	5.0	2.0	100
MF55	5.0	6.6	1.6	100
MF55	6.6	7.5	0.8	89
MF55	7.5	9.0	1.3	87
MF55	9.0	10.7	1.0	59
MF55	10.7	12.9	1.1	50
MF55	12.9	14.4	0.6	40
MF55	14.4	15.0	1.0	167
MF55	15.0	15.8	0.6	75
MF55	15.8	17.0	1.0	83
MF55	17.0	18.5	1.2	80
MF55	18.5	20.0	1.2	80
MF55	20.0	21.0	0.8	80
MF55	21.0	22.0	0.8	80
MF55	22.0	22.8	0.5	62
MF55	22.8	24.0	0.9	75
MF55	24.0	25.0	0.8	80
MF55	25.0	26.0	0.4	40
MF55	26.0	27.0	0.9	90
MF55	27.0	28.0	0.5	50
MF55	28.0	29.0	0.7	70
MF55	29.0	30.8	1.7	94
MF55	30.8	31.7	0.5	56
MF55	31.7	33.0	1.2	92
MF55	33.0	35.0	1.8	90
MF55	35.0	37.2	2.0	91
MF55	37.2	38.0	0.7	88
MF55	38.0	40.8	2.8	100
MF55	40.8	42.5	1.7	100
MF55	42.5	43.4	0.8	89
MF55	43.4	45.0	1.6	100
MF55	45.0	47.0	1.9	95
MF55	47.0	49.1	2.1	100
MF55	49.1	50.0	0.9	100
MF55	50.0	52.9	2.9	100
MF55	52.9	55.6	2.7	100
MF55	55.6	58.0	2.4	100

END OF HOLE AT 58.0m

hole no MF56

			at	mag brg	AMG brg as read	AMG brg corrected	AMG brg as used	dip	comments
final depth	63.5	m	0	-	-	-	281.7	-43.7	Collar bearing and dip are as provided by surveyor.
			30	266	279	279	279	-47	All downhole bearings and dips were surveyed using a downhole camera.
east	366,334.90	AMG	63.5	268	281	281	281	-48.5	
north	5,367,684.00	AMG							
rl	210.80	m							

PQ
HQTT 0.0m to 63.5m
NQTT
NQ
NQTT

commenced 21 June 2004
completed 23 June 2004

logged by Mick McKeown

drilled by Almac Drilling

analyses by SGS

COMMENTS

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF56

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
0.0	**0.3**	**TOPSOIL**									
		Brown topsoil.									
		The interval is puggy.									
		The contact with the next interval is gradational - weathering.									
0.3	**2.5**	**CLAY**									
		Brown clay.									
		The interval is puggy.									
		The contact with the next interval is gradational - weathering.									
2.5	**8.0**	**CLAYSTONE**	7.0	8.0	620	45	650	1680	72	185	-50
		Orange brown, light brown and red brown claystone (after rock).									
		BCA at 3.9m = 60 degrees.									
		The interval is very broken and extremely broken.									
		The contact with the next interval is sharp but irregular, not faulted.									
8.0	**11.2**	**GABBRO**	8.0	9.0	3230	205	8000	6380	-25	385	-50
			9.0	10.0	2990	285	7450	6540	-25	435	-50
		Green, cream and orange (ironstained), medium grained gabbro; note core losses, especially between 10.0m and 11.0m.	10.0	11.2	4210	150	12600	10400	-25	270	-50
		The interval is very broken, puggy in part.									
		The contact with the next interval is sharp but broken, probably not faulted.									
11.2	**19.4**	**VOLCANICLASTIC (50%) AND SILTSTONE (50%)**	11.2	12.2	640	56	2650	2650	-25	120	-50
		Orange and red (ironstained) and grey, fine to medium grained volcaniclastic (50%) and siltstone (50%); with abundant ironstaining on joints and fractures and throughout rockmass.	43.3	44.3	120	64	925	82	-125	140	-25
		Beds in the volcaniclastic are up to 1m thick, in the siltstone down to 1mm thick.	44.3	45.3	850	100	530	135	-125	135	-25
		The interval is microfolded and microfaulted.	45.3	46.3	570	92	505	120	-125	80	-25
			46.3	47.3	795	96	310	135	-125	84	-25
		BCA at 12.4m = 80 degrees.	47.3	48.3	660	92	855	130	-125	90	-25

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF56

from m	to m	DESCRIPTION
		The interval is very broken and extremely broken.
		'
		The contact with the next interval is gradational - weathering.
19.4	**34.85**	**VOLCANICLASTIC (70%) AND SILTSTONE (30%)**
		Grey and lesser black, fine to medium grained volcaniclastic (70%) and siltstone (30%); with trace ironstaining on joints and fractures, sparse quartz as vuggy stringers and veinlets, trace crystalline pyrite associated with quartz.
		Beds in the volcaniclastic are up to 1m thick, in the siltstone down to 1mm thick.
		The interval is microfolded and microfaulted.
		BCA at 21.8m = 75 degrees. BCA at 26.4m = 80 degrees. BCA at 30.7m = 65 degrees.
		The interval is extremely broken.
		The contact with the next interval is sharp but broken.
34.85	**35.3**	**VEIN**
		Quartz dolomite vein with included black rock and sparse black sulphides.
		The interval is extremely broken.
		The contact with the next interval is sharp but broken.
35.3	**36.9**	**ALTERED VOLCANICLASTIC AND SILTSTONE: PROTOVEIN**
		Grey, green grey and brown, altered volcaniclastic and siltstone; with minor quartz as stringers and veinlets, sparse pyrite as flecks: protovein?
		The interval is microfaulted.
		The interval is very broken.
		The contact with the next interval is sharp but broken.
36.9	**37.2**	**VEIN**
		Quartz dolomite vein with sparse crystalline sphalerite.

from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
48.3	49.3	615	98	460	125	-125	110	-25
49.3	50.3	525	88	295	120	-125	175	-25
50.3	51.2	430	84	1450	115	-125	115	-25
51.2	52.2	115	60	6330	-15	-125	98	-25

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF56

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
		The interval is extremely broken.									
		The contact with the next interval is sharp but broken.									
37.2	**44.3**	**VOLCANICLASTIC (40%) AND SILTSTONE (60%)**									
		Grey, grey green, black and brown, fine to medium grained volcaniclastic (40%) and siltstone (60%); with sparse ironstaining on joints and fractures, minor quartz as vuggy stringers and veinlets, sparse calcite associated with quartz.									
		The interval is vuggy.									
		BCA at 40.0m = 70 degrees.									
		The contact with the next interval is sharp but broken, not faulted.									
44.3	**51.2**	**GABBRO**									
		Dark green and green cream, generally medium grained gabbro with sparse quartz as stringers and veinlets, sparse serpentine as lace veining in brecciated gabbro; fine grained (chilled margin) from 44.3m to 44.6m.									
		45.4m to 46.0m: brecciated gabbro.									
		The interval is slightly vuggy.									
		The interval is broken.									
		The contact with the next interval is sharp but broken, not faulted.									
51.3	**53.2**	**VOLCANICLASTIC (40%) AND SILTSTONE (60%)**									
		As from 37.2m to 44.3m.									
		The interval is very broken.									
		The contact with the next interval is gradational - colour.									
53.2	**64.5**	**CRIMSON VOLCANICLASTIC (80%) AND SILTSTONE (20%)**									
		Crimson, fine to medium grained volcaniclastic (80%)and siltstone (20%); with sparse quartz and dolomite as stringers.									
		The interval is slightly vuggy.									
		BCA at 56.5m = 65 degrees.									

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF56

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
		BCA at 59.0m = 60degrees. BCA at 62.0m = 65 degrees. The interval is broken and very broken, becoming less broken towards 64.5m. **END OF HOLE AT 64.5m**									

bhid	from	to	recovery	recovery
	m	m	m	%
MF56	0.0	2.7	2.3	85
MF56	2.7	3.5	0.6	75
MF56	3.5	5.0	0.8	53
MF56	5.0	6.0	0.9	90
MF56	6.0	7.0	1.0	100
MF56	7.0	8.0	0.7	70
MF56	8.0	9.0	0.9	90
MF56	9.0	10.0	0.9	90
MF56	10.0	11.0	0.5	50
MF56	11.0	12.0	0.8	80
MF56	12.0	14.0	1.8	90
MF56	14.0	15.3	1.3	100
MF56	15.3	17.0	1.6	94
MF56	17.0	18.2	1.1	92
MF56	18.2	19.7	1.2	80
MF56	19.7	21.6	1.5	79
MF56	21.6	22.8	1.0	83
MF56	22.8	24.0	0.8	67
MF56	24.0	25.0	0.9	90
MF56	25.0	26.0	0.8	80
MF56	26.0	27.3	1.1	85
MF56	27.3	28.2	0.2	22
MF56	28.2	29.0	0.3	38
MF56	29.0	29.8	0.4	50
MF56	29.8	31.0	1.0	83
MF56	31.0	32.8	1.6	89
MF56	32.8	34.5	1.5	88
MF56	34.5	35.3	0.8	100
MF56	35.3	36.8	1.2	80
MF56	36.8	37.2	0.3	75
MF56	37.2	38.6	0.5	36
MF56	38.6	39.5	0.9	100
MF56	39.5	41.0	1.3	87
MF56	41.0	42.5	1.5	100
MF56	42.5	43.7	1.0	83
MF56	43.7	46.1	2.4	100
MF56	46.1	47.0	0.9	100
MF56	47.0	50.0	3.0	100
MF56	50.0	53.0	3.0	100
MF56	53.0	55.0	1.8	90
MF56	55.0	56.0	0.8	80
MF56	56.0	59.0	3.0	100
MF56	59.0	62.0	3.0	100
MF56	62.0	63.5	1.5	100

END OF HOLE AT 63.5m

hole no MF57

			at	mag brg	AMG brg as read	AMG brg corrected	AMG brg as used	dip	comments
final depth	72.2	m	0	-	-	-	300.3	-39.3	Collar bearing and dip are as provided by surveyor.
			30	290	303	303	303	-48	All downhole bearings and dips were surveyed using a downhole camera.
east	366,343.00	AMG	70	288	301	301	301	-50	
north	5,367,705.90	AMG							
rl	208.70	m							

PQ
HQTT 0.0m to 72.2m
NQTT
NQ
NQTT

commenced 23 June 2004
completed 25 June 2004

logged by Mick McKeown

drilled by Almac Drilling

analyses by SGS

COMMENTS

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF57

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Ag ppm	Pt ppb	Pd ppb	Au ppb
0.0	**0.4**	**TOPSOIL** Brown topsoil. The interval is puggy. The contact with the next interval is gradational - weathering.													
0.4	**3.0**	**CLAY** Orange brown clay. The interval is puggy. The contact with the next interval is gradational - weathering.													
3.0	**14.5**	**VOLCANICLASTIC AND SILTSTONE** Weathered and ironstained, orange brown, fine yo medium grained volcaniclastic and siltstone; with abundant ironstaining throughout rockmass and on joints and fractures. BCA at 7.2m = 85degrees. BCA at 8.8m = 85 degrees. The interval is extremely broken and puggy. The contact with the next interval is gradational - weathering.													
14.5	**18.0**	**VOLCANICLASTIC AND SILTSTONE** Weathered, grey and green grey volcaniclastic and siltstone with minor ironstaining on joints and fractures; poor core recovery (see recoveries). The interval is extremely broken. The contact with the next interval is sharp but broken.													
18.0	**19.5**	**ROCK** Very decomposed, olive green, fine grained rock with common ironstaining on joints and fractures; poor core recovery (see recoveries). The interval is extremely broken. The contact with the next interval is sharp but broken.													

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF57

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Ag ppm	Pt ppb	Pd ppb	Au ppb
19.5	**21.9**	**VOLCANICLASTIC AND SILTSTONE**	20.9	21.9	175	48	4240	40	-125	295	-25	-10	1.1	2.1	-1
		Weathered, dark grey to black and green grey volcaniclastic and siltstone; poor core recovery (see recoveries).													
		The interval is extremely broken and puggy.													
		The contact with the next interval is sharp but broken.													
21.9	**24.6**	**GABBRO**	21.9	23.0	415	90	475	100	-125	235	-25	-10	-0.5	1.2	-1
			23.0	23.7	400	80	525	86	-125	350	-25	-10	-0.5	0.9	-1
		Green and cream, fine grained gabbro with sparse quartz as small vuggy patches, minor black (weathered sulphides?), minor serpentine as small patches towards 24.6m.	23.7	24.6	2660	100	9230	5330	-125	620	-25	-10	119	150	118
		The interval is vuggy.													
		The interval is extremely broken.													
		The contact with the next interval is sharp but broken.													
24.6	**54.8**	**VOLCANICLASTIC (70%) AND SILTSTONE (30%)**	24.6	25.6	490	78	6240	510	-125	425	-25	-10	13.2	12	14
		Grey, green grey and black, fine to medium grained volcaniclastic (70%) and siltstone (30%); with sparse quartz as vuggy veinlets and veins, sparse actinolite? associated with quartz in places.	53.8	54.8	200	64	880	64	220	500	-25				
		54.0m to 54.4m: fractured rock with quartz as lace veining, dolomite as stringers and veinlets: protovein.													
		Beds in the volcaniclastic are up to 1m thick, in the siltstone down to 1mm thick.													
		The interval is slightly vuggy and microfaulted.													
		Beds are ruptured in part. BCA at 25.8m = 60 degrees. BCA at 32.7m = 80 degrees. BCA at 36.6m = 80 degrees. BCA at39.3m = 80 degrees. BCA at 51.4m = 30 degrees.													
		The interval is extremely broken.													
		The contact with the next interval is sharp but broken, probably not faulted.													
54.8	**63.6**	**GABBRO**	54.8	55.8	700	94	545	135	-125	390	-25				
			55.8	56.8	795	90	1490	335	-125	94	-25				

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF57

from m	to m	DESCRIPTION
		Dark green and olive green, medium grained gabbro with common calcite as stringers, veinlets and veins, sparse quartz as stringers and veinlets.
		The interval is slightly vuggy towards 63.6m.
		The interval is broken.
		The contact with the next interval is sharp but broken, probably not faulted.
63.6	**66.8**	**VOLCANICLASTIC AND SILTSTONE**
		Green grey and much lesser khaki, fine to medium grained volcaniclastic and much lesser siltstone; with sparse quartz and dolomite as vuggy veinlets.
		The interval is extremely broken.
		The contact with the next interval is gradational - brecciation and dolomite content.
66.8	**67.4**	**VEIN**
		Brecciated, grey volcaniclastic and interstitial dolomite; with minor sphalerite.
		The interval is extremely broken.
		The contact with the next interval is gradational - brecciation and dolomite content.
67.4	**72.2**	**CRIMSON VOLCANICLASTIC (90%) AND SILTSTONE (10%)**
		Crimson, fine to medium grained volcaniclastic (90%) and siltstone (10%); with minor calcite and dolomite as stringers and veinlets, trace actinolite? associated with calcite.
		The interval is microfaulted.
		The interval is cross-bedded in part. BCA at 67.9m = 45 degrees. BCA at 69.6m = 65 degrees.
		END OF HOLE AT 72.2m

from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Ag ppm	Pt ppb	Pd ppb	Au ppb
56.8	57.8	575	82	850	145	-125	90	-25				
57.8	58.8	405	80	1170	105	-125	90	-25				
58.8	59.8	360	74	880	100	-125	100	-25				
59.8	60.8	310	64	140	94	-125	82	-25				
60.8	61.8	415	80	630	125	-125	90	-25				
61.8	62.8	370	78	265	110	-125	105	-25				
62.8	63.6	300	74	3230	100	-125	145	-25				
63.6	64.6	110	60	2120	135	380	1070	-25				

bhid	from	to	recovery	recovery
	m	m	m	%
MF57	0.0	3.0	3.0	100
MF57	3.0	4.1	0.8	73
MF57	4.1	5.0	0.6	67
MF57	5.0	6.0	0.9	90
MF57	6.0	7.1	1.0	91
MF57	7.1	8.0	0.8	89
MF57	8.0	9.0	0.9	90
MF57	9.0	10.0	0.9	90
MF57	10.0	11.0	0.8	80
MF57	11.0	12.0	0.8	80
MF57	12.0	14.0	1.5	75
MF57	14.0	15.0	0.7	70
MF57	15.0	16.0	0.5	50
MF57	16.0	18.0	0.5	25
MF57	18.0	19.0	0.1	10
MF57	19.0	20.0	0.8	80
MF57	20.0	21.0	0.6	60
MF57	21.0	21.4	0.2	50
MF57	21.4	22.0	0.2	33
MF57	22.0	23.0	1.0	100
MF57	23.0	23.7	0.6	86
MF57	23.7	24.6	0.8	89
MF57	24.6	25.4	0.5	63
MF57	25.4	26.2	0.5	62
MF57	26.2	26.8	0.4	67
MF57	26.8	27.3	0.1	20
MF57	27.3	28.0	0.1	14
MF57	28.0	28.9	0.6	67
MF57	28.9	29.7	0.4	50
MF57	29.7	30.2	0.2	40
MF57	30.2	31.0	0.0	0
MF57	31.0	31.6	0.5	83
MF57	31.6	32.1	0.5	100
MF57	32.1	32.6	0.4	80
MF57	32.6	33.3	0.6	86
MF57	33.3	33.8	0.5	100
MF57	33.8	34.4	0.6	100
MF57	34.4	35.1	0.5	71
MF57	35.1	36.0	0.6	67
MF57	36.0	37.5	1.4	93
MF57	37.5	38.7	0.9	75
MF57	38.7	41.0	2.0	87
MF57	41.0	42.4	1.4	100
MF57	42.4	44.0	1.6	100
MF57	44.0	45.5	1.5	100
MF57	45.5	46.9	1.4	100
MF57	46.9	50.0	3.1	100
MF57	50.0	53.0	3.0	100
MF57	53.0	55.8	2.8	100
MF57	55.8	58.9	3.1	100
MF57	58.9	61.9	3.0	100
MF57	61.9	64.6	2.7	100
MF57	64.6	66.9	2.3	100
MF57	66.9	69.1	2.2	100
MF57	69.1	72.2	3.1	100

END OF HOLE AT 72.2m

hole no	MF58								
			at	**mag brg**	**AMG brg as read**	**AMG brg corrected**	**AMG brg as used**	**dip**	**comments**
final depth	80.0	m	0	-	-	-	296.9	-45.9	Collar bearing and dip are as provided by surveyor.
			50	283	298	298	298	-48	All downhole bearings and dips were surveyed using a downhole camera.
east	366,359.90	AMG							
north	5,367,633.50	AMG							
rl	208.50	m							
PQ									
HQTT	0.0m to 80.0m								
NQTT									
NQ									
NQTT									
commenced	26 June 2004								
completed	30 June 2004								
logged by	Mick McKeown								
drilled by	Almac Drilling								
analyses by	SGS								

COMMENTS

COMPANY Allegiance Metal
PROJECT Melba Flats
HOLE NUMBER MF58

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Ag ppm	Pt ppb	Pd ppb	Au ppb
0.0	**0.3**	**TOPSOIL** Brown topsoil. The interval is puggy. The contact with the next interval is gradational - weathering.													
0.3	**5.0**	**CLAY AND CLAYSTONE** Orange brown and much lesser black clay (after rock) and claystone (after rock). The interval is puggy. The contact with the next interval is gradational - weathering.													
5.0	**11.0**	**CLAYSTONE** Orange brown, brown and grey claystone after volcaniclastic and siltstone. BCA at 7.0m = 60 degrees. BCA at 8.2m = 70 degrees. The interval is extremely broken and puggy in part. Orange brown, brown and grey claystone after volcaniclastic and siltstone.													
11.0	**18.3**	**VOLCANICLASTIC (50%) AND SILTSTONE (50%)** Green grey and green, fine to medium grained volcaniclastic (50%) and siltstone (50%); with common ironstaining on joints and fractures and throughout rockmass. Beds in the volcaniclastic are up to 1m thick, in the siltstone down to 1mm thick. The interval is slightly vuggy and microfolded. BCA at 15.3m = 60 degrees. The interval is extremely broken. The contact with the next interval is gradational - colour.													
18.3	**28.0**	**CRIMSON VOLCANICLASTIC (50%) AND SILTSTONE (50%)** As from 11.0m to 18.3m but crimson in colour; with minor ironstaining on joints and fractures and throughout rockmass, minor chlorite as stringers and veinlets and on													

COMPANY Allegiance Metal
PROJECT Melba Flats
HOLE NUMBER MF58

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Ag ppm	Pt ppb	Pd ppb	Au ppb
		joints. BCA at 20.8m = 60 degrees. BCA at 24.4m = 80 degrees. The interval is very broken. The contact with the next interval is gradational - colour.													
28.0	**31.6**	**VOLCANICLASTIC (50%) AND SILTSTONE (50%)** Grey and green-grey, thinly bedded, fine to medium grained volcaniclastic (50%) and siltstone (50%); with sparse serpentine? on joints and fractures, trace quartz as stringers. The interval has a schistose/spotted fabric in part. BCA at 29.3m = 65 degrees. The interval is extremely broken. The contact with the next interval is sharp but broken, not faulted.	30.6	31.6	74	58	1800	40	-25	120	-50	-5	3	2	7
31.6	**39.0**	**GABBRO** Dark green and cream, medium grained gabbro with sparse pyrite/pentlandite as flecks, trace crystalline pyrite as disseminations, sparse serpentine on joints, sparse quartz as veins, trace ironstaining on joints and fractures in places. The interval is very broken. The contact with the next interval is gradational - mineralisation.	31.6	32.6	280	74	1500	300	-25	140	-50	-5	4	2	6
			32.6	33.6	240	67	800	160	-25	100	-50	-5	4	3	11
			33.6	34.6	400	73	2200	620	-25	100	-50	-5	12	14	8
			34.6	36.3	820	91	2500	580	-25	120	-50	-5	10	13	10
			36.3	37.6	2684	124	7400	3730	-25	220	-50	-5	69	87	58
			37.6	38.2	23600	420	52700	52800	160	500	-50	17	1399	1968	1075
			38.2	39.0	8276	220	22200	15000	-25	200	-50	-5	170	203	198
39.0	**39.8**	**MASSIVE SULPHIDE** Massive pyrite/pentlandite/chalcopyrite. The interval has a (hydraulically?) brecciated fabric. The interval is extremely broken. The contact with the next interval is gradational - mineralisation.	39.0	39.8	105000	2023	257000	46000	100	320	-50	8	1311	1446	637
			39.8	40.8	500	89	1800	560	-25	180	-50	-5	5	6	6
39.8	**47.9**	**VOLCANICLASTIC (50%) AND SILTSTONE (50%)** Dark grey and black, fine to medium grained volcaniclastic (50%) and siltstone (50%);													

COMPANY Allegiance Metal
PROJECT Melba Flats
HOLE NUMBER MF58

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Ag ppm	Pt ppb	Pd ppb	Au ppb
		with sparse dolomite and quartz as stringers and veinlets increasing in abundance towards 47.9m													
		Beds in the volcaniclastic are up to 1m thick, in the siltstone down to 1mm thick.													
		The interval is microfolded and microfaulted.													
		BCA at 41.1m = 65 degrees. BCA at 43.7m= 70 degrees. BCA at 45.0m = 90 degrees. BCA at 46.0m = 80 degrees.													
		The interval is extremely broken.													
		The contact with the next interval is sharp but broken.													
47.9	**49.0**	**VEIN**													
		Dark rock breccia with dolomite-quartz matrix; with minor brown sphalerite as flecks, crudely banded, VCA = 75 degrees.													
		48.9m to 49.0m: pug.													
		The interval is extremely broken and puggy.													
		The contact with the next interval is sharp at 75 degrees to the core axis.													
49.0	**56.4**	**VOLCANICLASTIC (70%) AND SILTSTONE (30%)**													
		Grey to green grey, fine to medium grained volcaniclastic (70%) and siltstone (30%); with minor quartz and sparse dolomite as vuggy stringers and veinlets, sparse chlorite associated with quartz and dolomite.													
		The interval is slightly vuggy and microfaulted.													
		Beds are ruptured in part. BCA at 49.6m = 70 degrees. BCA at 51.6m = 60 degrees. BCA at 53.7m = 70 degrees. BCA at 56.3m = 55 degrees.													
		The interval is broken, extremely broken from 55.7m to 56.4m													
		The contact with the next interval is sharp but broken.													
56.4	**56.7**	**VEIN**	55.7	56.7	86	44	1720	32	260	845	-25				

COMPANY Allegiance Metal
PROJECT Melba Flats
HOLE NUMBER MF58

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Ag ppm	Pt ppb	Pd ppb	Au ppb
		Dark, brecciated rock with chlorite matrix; with minor quartz and dolomite, sparse green malachite?, VCA = 70 degrees. The interval is extremely broken. The contact with the next interval is sharp at 70 degrees to the core axis.													
56.7	**61.35**	**GABBRO** Dark green and dirty cream, medium grained gabbro, fine grained for 20cm from 56.7m (chilled margin); with sparse quartz and calcite as stringers and veinlets, trace pyrite/ pentlandite/chalcopyrite. The interval is generally unbroken. The contact with the next interval is sharp at 60 degrees to the core axis.	56.7 57.7 58.7 59.7 61.35	57.7 58.7 59.7 61.35 62.35	560 595 495 490 100	86 86 82 78 56	365 565 565 835 330	125 145 130 200 34	140 -125 -125 -125 -125	255 130 70 68 105	-25 -25 -25 -25 -25				
61.35	**67.6**	**VOLCANICLASTIC (70%) AND SILTSTONE (30%)** Green grey, fine to medium grained volcaniclastic (70%) and siltstone (30%); with sparse quartz and calcite as stringers and veinlets, sparse serpentine as veinlets and on joints. Beds in the volcaniclastic are up to 1m thick, in the siltstone down to 1mm thick. The interval is microfaulted. The interval is cross-bedded in part. BCA at 62.8m = 65 degrees. BCA at 66.0m= 65 degrees. The interval is broken. The contact with the next interval is gradational- colour.													
67.6	**80.0**	**CRIMSON VOLCANICLASTIC (50%) AND SILTSTONE (50%)** Crimson and much lesser grey and green, fine to medium grained volcaniclastic (50%) and siltstone (50%); with sparse quartz and calcite as stringers, veinlets and veins, sparse chlorite as veins. Beds in the volcaniclastic are up to 1m thick, in the siltstone down to 1mm thick. The interval is microfolded and microfaulted.													

COMPANY Allegiance Metal
PROJECT Melba Flats
HOLE NUMBER MF58

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Ag ppm	Pt ppb	Pd ppb	Au ppb
		The interval is cross-bedded in part. BCA at 70.2m = 70 degrees. BCA at 73.0m = 75degrees. BCA at 76.2m = 65degrees. BCA at 77.0m = 40 degrees. BCA at 78.0m = 20 degrees. BCA at 79.0m= 20 degrees.													
		The interval is broken.													
		END OF HOLE AT 80.0m													

bhid	from	to	recovery	recovery
	m	m	m	%
MF58	0.0	3.0	3.0	100
MF58	3.0	5.0	1.8	90
MF58	5.0	6.0	1.0	100
MF58	6.0	7.0	0.7	70
MF58	7.0	9.0	1.1	55
MF58	9.0	10.0	1.0	100
MF58	10.0	12.0	1.7	85
MF58	12.0	14.0	1.8	90
MF58	14.0	15.0	1.0	100
MF58	15.0	17.0	1.8	90
MF58	17.0	18.0	0.9	90
MF58	18.0	20.0	2.0	100
MF58	20.0	22.5	2.2	88
MF58	22.5	24.0	1.5	100
MF58	24.0	26.0	2.0	100
MF58	26.0	29.0	3.0	100
MF58	29.0	30.0	1.0	100
MF58	30.0	31.5	1.5	100
MF58	31.5	32.3	0.6	75
MF58	32.3	32.8	0.0	0
MF58	32.8	34.6	1.8	100
MF58	34.6	36.0	1.4	100
MF58	36.0	37.0	1.0	100
MF58	37.0	38.0	1.0	100
MF58	38.0	39.0	0.9	90
MF58	39.0	40.0	0.9	90
MF58	40.0	40.8	0.8	100
MF58	40.8	42.0	1.1	92
MF58	42.0	43.0	0.7	70
MF58	43.0	46.0	3.0	100
MF58	46.0	49.0	3.0	100
MF58	49.0	50.0	1.0	100
MF58	50.0	52.7	2.7	100
MF58	52.7	54.0	1.3	100
MF58	54.0	55.9	1.9	100
MF58	55.9	57.7	1.8	100
MF58	57.7	58.4	0.7	100
MF58	58.4	60.0	1.6	100
MF58	60.0	63.0	3.0	100
MF58	63.0	66.0	3.0	100
MF58	66.0	69.0	3.0	100
MF58	69.0	70.8	1.8	100
MF58	70.8	74.0	3.2	100
MF58	74.0	77.0	3.0	100
MF58	77.0	80.0	3.0	100

END OF HOLE AT 80.0m

hole no MF59

			at	mag brg	AMG brg as read	AMG brg corrected	AMG brg as used	dip	comments
final depth	50.5	m	0	-	-	-	292.4	-59.4	Collar bearing and dip are as provided by surveyor.
			50	278	291	291	291	-60.5	All downhole bearings and dips were surveyed using a downhole camera.
east	366,360.60	AMG							
north	5,367,633.20	AMG							
rl	208.70	m							

PQ
HQTT 0.0m to 50.5m
NQTT
NQ
NQTT

commenced 30 June 2004
completed 2 July 2004

logged by Mick McKeown

drilled by Almac Drilling

analyses by SGS

COMMENTS

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF59

from m	to m	DESCRIPTION
0.0	**0.2**	**TOPSOIL**
		Red brown topsoil.
		The interval is puggy.
		The contact with the next interval is gradational - weathering.
0.2	**4.5**	**CLAYSTONE AND CLAY**
		Light brown and red brown claystone (after rock) and clay.
		The interval is extremely broken and puggy.
		The contact with the next interval is gradational - weathering.
4.5	**15.7**	**VOLCANICLASTIC (50%) AND SILTSTONE (50%)**
		Grey, tan (weathered) and brown (ironstained) volcaniclastic (50%) and siltstone (50%); with common, locally abundant ironstaining on joints and fractures and throughout the rockmass.
		The siltstone is thinly bedded (down to <2mm), the volcaniclastic more thickly bedded (up to 1m).
		BCA at 13.6m = 70 degrees.
		The interval is extremely broken and puggy.
		The contact with the next interval is gradational - colour.
15.7	34.7	**CRIMSON VOLCANICLASTIC (50%) AND SILTSTONE (50%)**
		As from 4.5m to 15.7m but crimson and lesser grey in colour; with sparse crystalline pyrite along bedding in places, sparse chlorite? on joints.
		The interval is slightly vuggy and microfaulted
		BCA at 26.5m = 70 degrees. BCA at 27.3m = 65 degrees.
		The interval is very broken and extremely broken.
		The contact with the next interval is sharp but broken, not faulted.

from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Ag ppm	Pt ppm	Pd ppm	Au ppm
33.7	34.7	100	55	1650	155	-25	165	-50	-5	6	5	-2

34.7	**37.1**	**GABBRO**	34.7	35.7	335	85	700	175	-25	255	-50	-5	5	-2	-2
			35.7	37.1	965	115	2050	380	-25	340	-50	-5	8	7	3
		Cream, brown and dark green, medium grained gabbro with sparse quartz as veinlets and veins.													
		The interval is very broken and extremely broken.													
		The contact with the next interval is sharp at 40 degrees to the core axis.													
37.1	**42.7**	**MINERALISED GABBRO**	37.1	38.1	7340	235	23500	5550	-25	245	-50	-5	106	126	50
			38.1	39.1	11200	300	43500	8550	-25	225	95	-5	162	209	82
		Cream, brown and dark green, medium grained to coarse grained gabbro with sparse	39.1	40.1	12300	250	36000	17400	36	230	-50	7	557	661	381
		pyrite/pentlandite as flecks and stringers, sparse serpentine as stringers and veinlets,	40.1	41.1	12300	315	39500	35500	30	260	-50	13	1744	970	752
		sparse vuggy quartz as stringers.	41.1	42.7	3530	130	9150	6220	-25	185	-50	-5	132	161	74
		The interval is very broken.													
		The contact with the next interval is sharp but irregular, not faulted.													
42.7	**43.1**	**MASSIVE SULPHIDE**	42.7	43.1	124000	1760	263000	73500	135	225	-50	27	-2	-2	4
		Massive pyrite/pentlandite with common chalcopyrite tending to accumulate near 42.7m.													
		The interval is very broken.													
		The contact with the next interval is sharp but broken, not faulted.													
43.1	**47.9**	**VOLCANICLASTIC AND SILTSTONE**	43.1	44.1	1150	71	4350	870	-25	120	-50	-5	1399	959	520
		Light grey and lesser dark grey, fine to medium grained volcaniclastic and siltstone; rounded quartz pebbles occur at 44.3m.													
		The interval is slightly vuggy.													
		The siltstone is thinly bedded (down to <2mm), the volcaniclastic more thickly bedded (up to 0.5m).													
		BCA at 46.8m = 65 degrees.													
		The contact with the next interval is sharp but broken, not faulted.													
47.9	**50.5**	**PROTOVEIN**													
		As from 43.1m to 47.9m but darker with abundant vuggy quartz as patches, stringers and veinlets, minor ironstaining on joints and fractures, minor dolomite as veins, sparse sphalerite, galena and chalcopyrite as veinlets and veins, sparse chlorite as flecks.													
		The interval is extremely broken.													
		END OF HOLE AT 50.5m.													

bhid	from	to	recovery	recovery
	m	m	m	%
MF59	0.0	3.0	3.0	100
MF59	3.0	4.0	0.6	60
MF59	4.0	5.0	0.6	60
MF59	5.0	6.0	0.5	50
MF59	6.0	8.0	1.8	90
MF59	8.0	10.0	1.7	85
MF59	10.0	11.0	0.7	70
MF59	11.0	13.0	1.8	90
MF59	13.0	14.0	0.9	90
MF59	14.0	16.4	2.4	100
MF59	16.4	18.5	1.8	86
MF59	18.5	19.5	0.5	50
MF59	19.5	21.4	1.9	100
MF59	21.4	22.5	0.9	82
MF59	22.5	23.2	0.7	100
MF59	23.2	25.0	1.8	100
MF59	25.0	26.0	0.9	90
MF59	26.0	29.0	3.0	100
MF59	29.0	31.0	2.0	100
MF59	31.0	32.0	0.3	30
MF59	32.0	33.4	1.4	100
MF59	33.4	34.2	0.6	75
MF59	34.2	34.9	0.7	100
MF59	34.9	36.0	1.1	100
MF59	36.0	38.0	2.0	100
MF59	38.0	40.0	2.0	100
MF59	40.0	40.6	0.6	100
MF59	40.6	42.4	0.8	44
MF59	42.4	43.1	0.7	100
MF59	43.1	43.9	0.8	100
MF59	43.9	45.7	1.8	100
MF59	45.7	47.0	1.3	100
MF59	47.0	48.9	1.3	68
MF59	48.9	50.5	1.6	100

END OF HOLE AT 50.5m

hole no MF60

			at	mag brg	AMG brg as read	AMG brg corrected	AMG brg as used	dip	comments
final depth	64.5	m	0	-	-	-	292.5	-74.6	Collar bearing and dip are as provided by surveyor.
			30	280	293	293	293	-77	All downhole bearings and dips were surveyed using a downhole camera.
east	366,361.00	AMG	60	280	293	293	293	-77.5	
north	5,367,633.00	AMG							
rl	208.80	m							

PQ
HQTT 0.0m to 64.5m
NQTT
NQ
NQTT

commenced 2 July 2004
completed 6 July 2004

logged by Mick McKeown

drilled by Almac Drilling

analyses by SGS

COMMENTS

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF60

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
0.0	**3.0**	**CLAY** Orange brown and red brown clay. The interval is puggy. The contact with the next interval is gradational - weathering.									
3.0	**24.6**	**VOLCANICLASTIC (60%) AND SILTSTONE (40%)** Grey, green grey and black, fine to medium grained volcaniclastic (60%) and siltstone (40%); with common ironstaining on joints and fractures and throughout rockmass to 12m, common grey green clay (after rock) associated with broken zones. The interval is microfaulted. The siltstone is thinly bedded (down to <1mm), the volcaniclastic more thickly bedded (up to 0.5m). Bedding is ruptured in part. BCA at 6.0m = 40 degrees. BCA at 10.3m = 50 degrees. BCA at 20.1m = 50 degrees. The interval is extremely broken and puggy with puggy zones up to 2cm long: faults or weathering? The contact with the next interval is gradational- colour.									
24.6	**36.8**	**CRIMSON VOLCANICLASTIC (50%) AND SILTSTONE (50%)** Crimson and much lesser grey, fine to medium grained volcaniclastic (50%) and siltstone (50%); with sparse actinolite? on joints and as stringers and bands, sparse ironstaining and clay on joints and fractures.	39.9	40.9	65	56	1400	36	-25	115	-50
		The interval is slightly vuggy and microfaulted. Cross bedding occurs in places. BCA at 28.8m = 45 degrees. BCA at 30.9m = 65 degrees. BCA at 34.0m= 60 degrees. The interval is very broken. The contact with the next interval is gradational - colour.									
36.8	**40.9**	**VOLCANICLASTIC (60%) AND SILTSTONE (40%)**									

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF60

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
		As from 24.6m to 36.8m but grey green in colour; with common ironstaining on joints and fractures									
		The interval is very broken.									
		The contact with the next interval is sharp but broken, not faulted.									
40.9	**46.0**	**GABBRO**	40.9	42.0	275	72	-250	98	-25	100	-50
			42.0	43.0	280	70	-250	70	-25	100	-50
		Light green, dark green and cream, medium grained gabbro.	43.0	44.0	325	87	700	80	-25	76	-50
			44.0	45.0	315	84	2150	200	-25	74	-50
		The interval is broken.	45.0	46.0	2510	125	4700	1640	-25	100	-50
		The contact with the next interval is gradational - mineralisation.									
46.0	**50.4**	**MINERALISED GABBRO**	46.0	47.0	9720	286	29500	7870	-25	150	-50
			47.0	48.0	11400	290	34500	10300	-25	165	-50
		As from 40.9m to 46.0m but with sparse to minor pyrite/pentlandite as flecks and	48.0	49.0	7440	220	22500	6800	-25	145	-50
		stringers.	49.0	50.4	835	89	1900	645	-25	110	-50
		The interval is broken.									
		The contact with the next interval is sharp but irregular, not faulted.									
50.4	**54.8**	**VOLCANICLASTIC (60%) AND SILTSTONE (40%)**	50.4	51.4	135	62	2450	76	-25	135	-50
		As from 36.8m to 40.9m.									
		BCA at 54.2m = 45 degrees.									
		The interval is very broken.									
		The contact with the next interval is sharp but broken.									
54.8	**56.5**	**VEIN AND ROCK**									
		Intermixed volcaniclastic and siltstone and quartz and dolomite vein material; with sparse sphalerite and galena associated with quartz.									
		The interval is slightly vuggy.									
		The interval is very broken and extremely broken.									
		The contact with the next interval is sharp but broken.									

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF60

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
56.5	**64.5**	**VOLCANICLASTIC (50%) AND SILTSTONE (50%)**									
		Grey, black and brown, fine to medium grained volcaniclastic (50%) and siltstone (50%); with sparse quartz and dolomite as stringers and veinlets, sparse ironstaining on joints.									
		The siltstone is thinly bedded (down to 2mm), the volcaniclastic more thickly bedded (up to 0.5m).									
		The interval is microfaulted and slightly vuggy.									
		Beds are ruptured. BCA at 61.2m= 25 degrees.									
		The interval is broken, very broken and extremely broken.									
		END OF HOLE AT 64.5m									

bhid	from	to	recovery	recovery
	m	m	m	%
MF60	0.0	3.0	3.0	100
MF60	3.0	4.0	1.0	100
MF60	4.0	5.0	0.5	50
MF60	5.0	6.0	0.8	80
MF60	6.0	7.0	0.8	80
MF60	7.0	8.0	1.0	100
MF60	8.0	9.0	0.8	80
MF60	9.0	9.6	0.0	0
MF60	9.6	10.5	0.7	78
MF60	10.5	11.0	0.0	0
MF60	11.0	12.0	0.5	50
MF60	12.0	12.6	0.4	67
MF60	12.6	13.2	0.4	67
MF60	13.2	15.0	1.5	83
MF60	15.0	15.6	0.3	50
MF60	15.6	16.4	0.5	63
MF60	16.4	17.2	0.6	75
MF60	17.2	18.0	0.6	75
MF60	18.0	18.8	0.7	87
MF60	18.8	19.4	0.3	50
MF60	19.4	20.0	0.5	83
MF60	20.0	20.7	0.4	57
MF60	20.7	21.6	0.6	67
MF60	21.6	22.6	0.8	80
MF60	22.6	23.2	0.6	100
MF60	23.2	24.0	0.8	100
MF60	24.0	25.4	1.4	100
MF60	25.4	26.8	1.3	93
MF60	26.8	27.3	0.3	60
MF60	27.3	28.0	0.4	57
MF60	28.0	29.6	1.2	75
MF60	29.6	31.0	1.4	100
MF60	31.0	33.0	2.0	100
MF60	33.0	34.2	1.1	92
MF60	34.2	36.0	1.8	100
MF60	36.0	37.9	1.9	100
MF60	37.9	38.6	0.1	14
MF60	38.6	39.0	0.3	75
MF60	39.0	39.6	0.6	100
MF60	39.6	40.6	1.0	100
MF60	40.6	41.2	0.4	67
MF60	41.2	42.0	0.8	100
MF60	42.0	45.0	3.0	100
MF60	45.0	46.0	1.0	100
MF60	46.0	48.0	2.0	100
MF60	48.0	50.2	2.2	100
MF60	50.2	51.0	0.8	100
MF60	51.0	54.0	3.0	100
MF60	54.0	55.6	1.6	100
MF60	55.6	57.0	1.4	100
MF60	57.0	59.0	2.0	100
MF60	59.0	60.0	1.0	100
MF60	60.0	63.0	3.0	100
MF60	63.0	64.5	1.5	100

END OF HOLE AT 64.5m

hole no	MF61								
			at	**mag brg**	**AMG brg as read**	**AMG brg corrected**	**AMG brg as used**	**dip**	**comments**
final depth	32.0	m	0	-	-	-	297.8	-48	Collar bearing and dip are as provided by surveyor.
			32	279	292	292	292	-51.5	All downhole bearings and dips were surveyed using a downhole camera.
east	366,342.10	AMG							
north	5,367,649.00	AMG							
rl	208.80	m							
PQ									
HQTT	0.0m to 32.0m								
NQTT									
NQ									
NQTT									
commenced	7 July 2004								
completed	8 July2004								
logged by	Mick McKeown								
drilled by	Almac Drilling								
analyses by	SGS								

COMMENTS

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF61

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Ag ppm	Pt ppb	Pd ppb	Au ppb
0.0	**0.5**	**TOPSOIL** Brown topsoil. The interval is puggy. The contact with the next interval is gradational - weathering.													
0.5	**2.8**	**CLAY** Orange brown and much lesser black clay (after rock) and claystone (after rock). The interval is puggy. The contact with the next interval is gradational - weathering.													
2.8	**8.6**	**CRIMSON VOLCANICLASTIC (20%) AND SILTSTONE (80%)** Crimson, fine to medium grained volcaniclastic (20%) and siltstone (80%); with sparse ironstaining on joints and fractures; the rock is relatively fresh. Beds in the volcaniclastic are up to 1m thick, in the siltstone down to 1mm thick. The interval is slightly vuggy. BCA at 6.8m = 80 degrees. The interval is very broken and extremely broken. The contact with the next interval is gradational - weathering.													
8.6	**11.0**	**CLAYSTONE** Orange brown claystone (after rock) with sparse serpentine? on joints. The interval is extremely broken and puggy with some core loss (see recoveries). The contact with the next interval is sharp but broken.													
11.0	**12.1**	**VOLCANICLASTIC AND SILTSTONE** Green, fine grained volcaniclastic and siltstone. The interval is extremely broken. The contact with the next interval is sharp but broken, not faulted.	11.1	12.1	575	68	3000	440	-25	155	-50	-5	36	16	17

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF61

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Ag ppm	Pt ppb	Pd ppb	Au ppb
12.1	**18.6**	**GABBRO**	12.1	13.1	365	80	1600	90	-25	130	-50	-5	17	10	6
			13.1	14.1	420	79	1400	160	-25	115	-50	-5	2	3	-2
		Dark green and cream, medium grained gabbro with sparse ironstaining on joints and fractures.	14.1	15.1	460	81	1400	240	-25	115	-50	-5	6	-2	-2
			15.1	16.1	450	76	1200	155	-25	130	-50	-5	8	3	-2
			16.1	17.1	500	86	1100	105	-25	115	-50	-5	5	-2	-2
		The interval is extremely broken and puggy.	17.1	18.6	1520	100	1200	410	-25	270	-50	-5	-2	-2	2
		The contact with the next interval is sharp but broken.													
18.6	**21.9**	**MINERALISED GABBRO**	18.6	19.6	9550	205	30000	13800	-25	200	265	6	15	16	8
			19.6	20.6	8300	235	27000	7260	-25	180	-50	-5	351	445	235
		Dark grey to black and light green, mineralised gabbro with minor pyrite/pentlandite/ chalcopyrite as flecks, small patches and stringers, sparse ironstaining on joints and fractures.	20.6	21.9	9250	235	24500	8980	-25	185	-50	-5	122	161	73
		The interval is very broken and extremely broken.													
		The contact with the next interval is sharp but broken.													
21.9	**22.3**	**MASSIVE SULPHIDE**	21.9	22.3	13700	460	170000	158000	165	455	-50	58	282	381	192
		Massive sulphide - pyrite/pentlandite/chalcopyrite- and quartz.													
		The interval is extremely broken.													
		The contact with the next interval is sharp but broken, not faulted.													
22.3	**29.9**	**VOLCANICLASTIC (50%) AND SILTSTONE (50%)**	22.3	23.6	375	67	3450	705	-25	210	-50	-5	468	643	309
			23.6	24.6	280	62	1450	775	-25	235	-50	-5	6	6	32
		Green grey to black, fine to medium grained volcaniclastic (50%) and siltstone (50%); with minor crystalline pyrite on joins and fractures from 22.3m to 23.6m, sparse calcite and quartz as stringers and veinlets.													
		Beds in the volcaniclastic are up to 1m thick, in the siltstone down to 1mm thick.													
		The interval is microfaulted and microfolded and slightly vuggy.													
		BCA at 26.3m = 80 degrees. BCA at 29.0m = 80 degrees.													
		The interval is extremely broken.													
29.9	**30.3**	**VEIN**													
		Cream dolomite vein with minor quartz as patches, minor sphalerite as small patches,													

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF61

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Ag ppm	Pt ppb	Pd ppb	Au ppb
		minor crystalline galena, sparse pyrite as stringers.													
		The interval is slightly vuggy.													
		The interval is very broken.													
		The contact with the next interval is sharp at 60 degrees to the core axis.													
30.3	**32.0**	**VOLCANICLASTIC (50%) AND SILTSTONE (50%)**													
		As from 22.3m to 29.9m.													
		The interval is extremely broken.													
		END OF HOLE AT 32.0m													

bhid	from	to	recovery	recovery
	m	m	m	%
MF61	0.0	3.0	2.5	83
MF61	3.0	5.0	1.8	90
MF61	5.0	7.1	2.1	100
MF61	7.1	9.1	1.8	90
MF61	9.1	10.3	0.6	50
MF61	10.3	11.0	0.2	29
MF61	11.0	12.0	0.6	60
MF61	12.0	13.0	0.7	70
MF61	13.0	14.0	0.7	70
MF61	14.0	15.0	0.9	90
MF61	15.0	16.4	1.2	86
MF61	16.4	18.0	1.5	94
MF61	18.0	19.4	1.4	100
MF61	19.4	20.6	1.1	92
MF61	20.6	21.1	0.4	80
MF61	21.1	21.5	0.4	100
MF61	21.5	22.0	0.4	80
MF61	22.0	22.8	0.7	87
MF61	22.8	24.6	1.4	78
MF61	24.6	26.0	1.2	86
MF61	26.0	27.0	0.7	70
MF61	27.0	28.6	1.6	100
MF61	28.6	30.3	1.7	100
MF61	30.3	31.0	0.7	100
MF61	31.0	32.0	0.9	90

END OF HOLE AT 32.0m

hole no MF62

			at	mag brg	AMG brg as read	AMG brg corrected	AMG brg as used	dip	comments
final depth	70.5	m	0	-	-	-	296.5	-78.8	Collar bearing and dip are as provided by surveyor.
			34	282	295	295	295	-80.5	All downhole bearings and dips were surveyed using a downhole camera.
east	366,371.90	AMG	70	280	293	293	293	-79.5	
north	5,367,649.00	AMG							
rl	206.60	m							

PQ
HQTT 0.0m to 70.5m
NQTT
NQ
NQTT

commenced 9 July 2004
completed 13 July 2004

logged by Mick McKeown

drilled by Almac Drilling

analyses by SGS

COMMENTS

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF62

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Ag ppm	Pt ppb	Pd ppb
0.0	**0.2**	**TOPSOIL** Brown topsoil. The interval is puggy. The contact with the next interval is gradational - weathering.												
0.2	**2.5**	**CLAY** Red brown clay. The interval is puggy. The contact with the next interval is gradational - weathering.												
2.5	**7.2**	**CLAYSTONE** Extremely weathered, orange brown and lesser brown claystone (after volcaniclastic and siltstone). The interval is extremely broken, puggy in part. The contact with the next interval is gradational - weathering.												
7.2	**10.0**	**VOLCANICLASTIC AND SILTSTONE** Green grey and black, fine to medium grained volcaniclastic and siltstone; with minor ironstaining on joints and fractures. The interval is slightly vuggy. BCA at 7.7m = 40 degrees. BCA at 9.3m = 40 degrees. The interval is extremely broken. The contact with the next interval is sharp but broken - change in intensity of weathering.												
10.0	**12.8**	**VOLCANICLASTIC AND SILTSTONE**												

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF62

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Ag ppm	Pt ppb	Pd ppb
		Extremely weathered, orange brown and orange cream and much lesser cream and grey, fine to medium grained volcaniclastic and siltstone. BCA at 11.3m = 35 degrees. The interval is extremely broken, puggy in part. The contact with the next interval is sharp but broken.												
12.8	**14.8**	**ROCK RUBBLE: FAULT?** Extremely weathered, extremely broken rock: rubble; with core loss (see recoveries): fault? 14.0m to 14.1m: orange red, light brown, grey and black "ironstone". The interval is extremely broken and puggy. The contact with the next interval is sharp but broken.												
14.8	**18.4**	**VOLCANICLASTIC AND SILTSTONE** Green grey, dark grey and grey, fine grained volcaniclastic and siltstone; with minor ironstaining on joints and fractures. BCA at 15.7m = 40 degrees. The interval is extremely broken. The contact with the next interval is gradational - weathering.												
18.4	**24.0**	**VOLCANICLASTIC AND SILTSTONE** Extremely weathered, cream and orange red and much lesser grey, fine grained volcaniclastic and siltstone; with core losses (see recoveries). BCA at 19.7m = 45 degrees. The interval is extremely broken. The contact with the next interval is gradational - weathering.												

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF62

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Ag ppm	Pt ppb	Pd ppb
24.0	**34.1**	**VOLCANICLASTIC (50%) AND SILTSTONE (50%)** Green grey and black, fine to medium grained volcaniclastic (50%) and siltstone (50%); with trace quartz as stringers. Beds in the volcaniclastic are up to 1m thick, in the siltstone down to 1mm thick. The interval is slightly vuggy and microfaulted. BCA at 30.1m = 45 degrees. The interval is extremely broken.												
34.1	**39.4**	**PROTOVEIN** Pink, pink brown and much lesser grey, volcaniclastic and siltstone. 34.45m: 4cm band of pug. 36.5m to 36.7m: vuggy, cream dolomite and lesser quartz; with abundant sphalerite, sparse galena. The interval is very broken and extremely broken. The contact with the next interval is gradational - colour.												
39.4	**49.25**	**VOLCANICLASTIC (50%) AND SILTSTONE (50%)** Green grey and lesser brown, fine grained volcaniclastic (50%) and siltstone (50%); with sparse quartz as vuggy stringers, trace pyrite as stringers and veinlets, sparse chlorite? on joints, trace ironstaining on joints and fractures; slightly weathered. Beds in the volcaniclastic are up to 1m thick, in the siltstone down to 1mm thick. The interval is slightly vuggy, microfolded and microfaulted. BCA at 42.8m = 35 degrees. BCA at 45.1m = 30 degrees. BCA at 48.0m = 45degrees. The interval is very broken. The contact with the next interval is sharp at 60 degrees to the core axis.	48.25	49.25	115	50	9330	205	-125	120	-25	-10	2.2	2.5

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF62

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Ag ppm	Pt ppb	Pd ppb
49.25	**53.9**	**GABBRO**	49.25	50.0	355	80	525	125	-125	165	-25	-10	1.1	-0.5
			50.0	51.0	325	84	835	88	-125	170	-25	-10	-0.5	-0.5
		Dark green and cream, medium grained gabbro, fine grained from 49.25m to 49.7m (chilled margin); with sparse quartz as vuggy stringers and veinlets, sparse ironstained dolomite associated with quartz, minor black and lesser bronze sulphides as stringers and veinlets, sparse serpentine? as stringers and veinlets.	51.0	52.0	375	78	1070	210	-125	160	-25	-10	2.1	-0.5
			52.0	52.9	865	92	1730	490	-125	120	250	-10	7.6	11.3
			52.9	53.4	400	42	360	175	-125	160	130	-10	3.3	3.3
			53.4	53.9	3320	170	8690	2150	-125	120	185	-10	43	58.6
		52.9m to 53.2m: broken, vuggy quartz-dolomite vein												
		The interval is slightly vuggy.												
		The interval is extremely broken.												
		The contact with the next interval is gradational - mineralisation.												
53.9	**55.5**	**GABBRO**	53.9	55.5	7450	235	31000	5490	-125	140	-25	-10	104	137
		Dark (altered) gabbro with minor pyrite/pentlandite as flecks, small patches and stringers, minor chalcopyrite as flecks.												
		The interval is broken.												
		The contact with the next interval is sharp but somewhat irregular, at about 55 degrees to the core axis.												
55.5	**59.0**	**VOLCANICLASTIC AND SILTSTONE**	55.5	56.5	180	66	9180	135	-125	120	-25	-10	-0.5	-0.5
		Green grey and black, fine to medium grained volcaniclastic and siltstone; with sparse crystalline pyrite on joints, sparse quartz as stringers, sparse dolomite as stringers, sparse pyrite as fine flecks and flecks.												
		Beds in the volcaniclastic are up to 2m thick, in the siltstone down to 1mm thick.												
		The interval is slightly vuggy.												
		Beds are ruptured in part. BCA at 56.3m = 75 degrees.												
		The interval is very broken.												
		The contact with the next interval is sharp but broken.												

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF62

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Ag ppm	Pt ppb	Pd ppb
59.0	**59.4**	**VEIN** Cream dolomite and quartz; with common galena as patches, common sphalerite as patches, sparse chalcopyrite as fine flecks. The interval is extremely broken. The contact with the next interval is sharp but broken.												
59.4	**70.5**	**VOLCANICLASTIC AND SILTSTONE** As from 55.5m to 59.0m but also including much lesser light grey limestone bands up to 2cm thick; with minor dolomite and quartz as stringers, veinlets and lace veining. BCA at 60.1m = 70 degrees. BCA at 69.2m = 45 degrees. The\interval is very broken. **END OF HOLE AT 70.5m**												

Au
ppb

Au
ppb

Au
ppb

3

Au ppb
2
1
1
2
1
14
45
24

Au
ppb

bhid	from	to	recovery	recovery
	m	m	m	%
MF62	0.0	3.0	2.7	90
MF62	3.0	4.5	1.1	73
MF62	4.5	6.0	0.9	60
MF62	6.0	8.0	2.0	100
MF62	8.0	9.0	0.7	70
MF62	9.0	10.0	0.7	70
MF62	10.0	11.0	0.8	80
MF62	11.0	12.0	0.7	70
MF62	12.0	13.0	0.7	70
MF62	13.0	14.0	0.7	70
MF62	14.0	15.0	0.5	50
MF62	15.0	15.6	0.5	83
MF62	15.6	17.7	2.0	2
MF62	17.7	18.8	0.7	64
MF62	18.8	20.0	0.8	67
MF62	20.0	21.0	0.2	20
MF62	21.0	24.0	2.0	67
MF62	24.0	24.7	0.3	43
MF62	24.7	25.5	0.1	13
MF62	25.5	26.0	0.3	60
MF62	26.0	26.8	0.8	100
MF62	26.8	28.9	1.9	90
MF62	28.9	29.6	0.6	86
MF62	29.6	31.9	2.3	100
MF62	31.9	33.0	0.7	64
MF62	33.0	34.5	1.5	100
MF62	34.5	35.8	1.1	85
MF62	35.8	36.9	1.0	91
MF62	36.9	38.4	1.4	93
MF62	38.4	39.0	0.5	83
MF62	39.0	42.0	2.9	97
MF62	42.0	45.0	3.0	100
MF62	45.0	47.8	2.8	100
MF62	47.8	49.0	1.2	100
MF62	49.0	51.0	2.0	100
MF62	51.0	52.4	1.4	100
MF62	52.4	53.0	0.6	100
MF62	53.0	53.4	0.2	50
MF62	53.4	54.6	1.2	100
MF62	54.6	56.5	1.9	100
MF62	56.5	57.5	0.7	70
MF62	57.5	58.0	0.1	20
MF62	58.0	58.8	0.8	100
MF62	58.8	59.3	0.5	100
MF62	59.3	59.6	0.2	67
MF62	59.6	60.9	1.2	92
MF62	60.9	62.1	1.2	100
MF62	62.1	63.0	0.8	89
MF62	63.0	68.6	5.6	100
MF62	68.6	70.5	1.9	100

END OF HOLE AT 70.5m

hole no MF63

			at	mag brg	AMG brg as read	AMG brg corrected	AMG brg as used	dip	comments
final depth	57.0	m	0	-	-	-	291.9	-64.5	Collar bearing and dip are as provided by surveyor.
			30	279	292	292	292	-66.0	All downhole bearings and dips were surveyed using a downhole camera.
east	366,371.50	AMG	57	278	291	291	291	-66.5	
north	5,367,666.50	AMG							
rl	211.20	m							

PQ
HQTT 0.0m to 57.0m
NQTT
NQ
NQTT

commenced 14 July 2004
completed 15 July 2004

logged by Mick McKeown

drilled by Almac Drilling

analyses by SGS

COMMENTS

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF63

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Ag ppm	Pt ppb	Pd ppb	Au ppb
0.0	**0.3**	**TOPSOIL** Brown topsoil. The interval is puggy. The contact with the next interval is gradational - weathering.													
0.3	**1.0**	**CLAY** Orange brown clay. The interval is puggy. The contact with the next interval is gradational - weathering.													
1.0	**9.9**	**CLAYSTONE AND CLAY** Orange brown and lesser brown and black claystone (after rock) and clay. The interval is extremely broke and puggy. BCA at 8.6m = 70 degrees. The contact with the next interval is sharp but broken.													
9.9	**23.5**	**VOLCANICLASTIC (50%) AND SILTSTONE (50%)** Grey, dark grey, black and brown (ironstained), fine to medium grained volcaniclastic (50%) and siltstone (50%); with common ironstaining on joints and fractures and through rockmass in part, sparse crystalline pyrite along bedding 15.0m to 15.1m: pug zone with sharp contacts: fault? Beds in the volcaniclastic are up to 2m thick, in the siltstone down to 1mm thick. The interval is microfaulted and slightly vuggy. BCA at 11.9m = 25 degrees. BCA at 13.7m = 65 degrees. The interval is extremely broken and puggy. The contact with the next interval is gradational - colour.													
23.5	**31.0**	**CRIMSON VOLCANICLASTIC (60%) AND SILTSTONE (40%)**													

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF63

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Ag ppm	Pt ppb	Pd ppb	Au ppb
		Crimson and much lesser grey, fine grained volcaniclastic (60%) and siltstone (40%); with minor ironstaining on joints and fractures, sparse chlorite on joints. Beds in the volcaniclastic are up to 0.5m thick, in the siltstone down to 1mm thick. The interval is slightly vuggy. The interval is very broken and extremely broken. The contact with the next interval is gradational - colour.													
31.0	**37.5**	**VOLCANICLASTIC (40%) AND SILTSTONE (60%)** Light to dark grey, fine to medium grained volcaniclastic (40%) and siltstone (60%), siltstone becomes cherty towards 37.5m; with sparse pyrrhotite as stringers, sparse serpentine on joints, sparse quartz as vuggy veinlets. Beds in the volcaniclastic are up to 0.5m thick, in the siltstone down to 1mm thick. The interval is microfaulted. BCA at 34.1m = 45 degrees. BCA at 35.6m =50 degrees. The interval is extremely broken. The contact with the next interval is sharp but broken, not faulted.	36.5	37.5	115	66	4460	62	-125	210	-25	-10	3.8	2.9	6
37.5	**41.3**	**GABBRO** Light to dark green and cream, medium grained gabbro with sparse black sulphides as stringers and veinlets, sparse interstitial triplite? near 39.3m, rare clots of pyrite/ chalcopyrite. The interval is extremely broken. The contact with the next interval is sharp but irregular.	37.5 38.5 39.5 40.5	38.5 39.5 40.5 41.3	340 315 625 825	84 80 74 84	570 870 2400 2120	84 90 520 515	-125 -125 -125 -125	200 210 135 150	-25 -25 -25 -25	-10 -10 -10 -10	4.4 2.5 11.7 10.8	1.1 0.8 11 12.8	-1 2 7 8
41.3	**45.4**	**MINERALISED GABBRO** Dark grey to black and green, altered, medium grained gabbro with minor pyrite/ pentlandite as small patches and stringers, sparse chalcopyrite as stringers, trace serpentine on joints, sparse quartz as vuggy stringers and veinlets. The interval is extremely broken.	41.3 42.3 43.3 44.3	42.3 43.3 44.3 45.4	4920 9780 9520 5070	215 280 280 165	14600 34500 33500 17000	3560 7510 6810 5230	-125 -125 -125 -125	440 860 275 200	525 720 -25 -25	-10 -10 -10 -10	77 170 127 120	92 225 180 135	77 152 195 120

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF63

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Ag ppm	Pt ppb	Pd ppb	Au ppb
		The contact with the next interval is gradational - mineralisation.													
45.4	**48.0**	**GABBRO**	45.4	46.4	860	98	1810	505	-125	175	-25	-10	11.4	8	11
			46.4	48.0	495	86	670	230	-125	155	-25	-10	2.2	2.5	5
		Light green and cream, medium grained gabbro with sparse black sulphides as stringers, sparse dolomite as stringers.													
		The interval is slightly vuggy.													
		The contact with the next interval is sharp but broken, not faulted.													
48.0	**57.0**	**VOLCANICLASTIC (20%) AND SILTSTONE (80%)**	48.0	49.0	155	58	4080	32	-125	120	-25	-10	6.4	4.3	13
		Light grey to black, fine grained volcaniclastic (20%)and siltstone (80%); with sparse quartz as vuggy stringers and veinlets. common"55.4m to 56.0m: zone with quartz and dolomite as stringers, veinlets and veins; with trace pyrite and sphalerite.													
		Beds in the volcaniclastic are up to 0.25m thick, in the siltstone down to 1mm thick.													
		The interval is microfaulted.													
		Beds are ruptured in part. BCA at 49.4m = 55 degrees. BCA at 50.8m= 55 degrees. BCA at 52.5m = 35 degrees.													
		The interval is extremely broken.													
		END OF HOLE AT 57.0m													

bhid	from	to	recovery	recovery
	m	m	m	%
MF63	0.0	3.0	2.7	90
MF63	3.0	4.0	0.9	90
MF63	4.0	5.0	1.0	100
MF63	5.0	6.0	0.7	70
MF63	6.0	7.1	0.4	36
MF63	7.1	8.7	1.0	63
MF63	8.7	9.0	0.3	100
MF63	9.0	11.0	0.7	35
MF63	11.0	11.8	0.5	62
MF63	11.8	14.0	2.1	95
MF63	14.0	14.5	0.4	80
MF63	14.5	15.7	1.1	92
MF63	15.7	16.6	0.7	78
MF63	16.6	17.8	1.0	83
MF63	17.8	19.0	1.0	83
MF63	19.0	20.2	1.0	83
MF63	20.2	21.0	0.5	62
MF63	21.0	22.0	0.9	90
MF63	22.0	23.0	1.0	100
MF63	23.0	24.0	0.8	80
MF63	24.0	26.4	2.4	100
MF63	26.4	27.8	1.4	100
MF63	27.8	30.0	2.2	100
MF63	30.0	32.0	1.8	90
MF63	32.0	33.6	1.4	87
MF63	33.6	35.0	1.4	100
MF63	35.0	35.8	0.7	88
MF63	35.8	37.4	1.6	100
MF63	37.4	38.5	1.1	100
MF63	38.5	41.3	2.8	100
MF63	41.3	42.2	0.9	100
MF63	42.2	43.9	1.7	100
MF63	43.9	45.0	1.1	100
MF63	45.0	46.0	1.0	100
MF63	46.0	48.0	2.0	100
MF63	48.0	49.3	1.3	100
MF63	49.3	51.0	1.7	100
MF63	51.0	52.7	1.7	100
MF63	52.7	53.4	0.6	86
MF63	53.4	54.2	0.6	75
MF63	54.2	55.6	1.3	93
MF63	55.6	57.0	1.4	100

END OF HOLE AT 57.0m

hole no	MF64								
			at	**mag brg**	**AMG brg as read**	**AMG brg corrected**	**AMG brg as used**	**dip**	**comments**
final depth	20.5	m	0	-	-	-	0.0	-90.0	Collar bearing and dip are as provided by surveyor.
			20	-	-	-	0	-90.0	All downhole bearings and dips were surveyed using a downhole camera
east	366,332.90	AMG							
north	5,367,630.80	AMG							
rl	204.90	m							
PQ									
HQTT	0.0m to 20.5m								
NQTT									
NQ									
NQTT									
commenced	16 July 2004								
completed	16 July 2004								
logged by	Mick McKeown								
drilled by	Almac Drilling								
analyses by	SGS								

COMMENTS

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF64

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Ag ppm	Pt ppb	Pd ppb	Au ppb
0.0	**0.3**	**FILL**													
		Light brown rock fill; hole was collared on track.													
		The interval is rubbly.													
		The contact with the next interval is sharp but broken.													
0.3	**2.0**	**CLAYSTONE AND CLAY**													
		Tan claystone and clay (after rock).													
		The interval is extremely broken and puggy.													
		The contact with the next interval is gradational -weathering.													
2.0	**8.8**	**VOLCANICLASTIC AND SILTSTONE**	8.0	8.8	385	24	240	615	5860	530	1780	32	53.2	134	61
		Very weathered, grey, green grey and tan, volcaniclastic and siltstone: with abundant ironstaining on joints and fractures and throughout the rockmass.													
		The interval is extremely broken and puggy.													
		The contact with the next interval is sharp but broken.													
8.8	**13.1**	**MINERALISED GABBRO**	8.8	10.6	10400	305	28500	54000	4130	5850	5530	385	380	727	192
			10.6	11.8	6400	210	23500	37000	3770	760	1890	120	340	647	225
		Completely weathered, ironstained, grey and black (sulphidic? - see assays) gabbro; gabbro is completely reduced to puggy rock; poor core recovery (see recoveries).	11.8	13.1	10100	485	56000	37500	2980	6270	145	22	967	1210	977
		'													
		The interval is puggy.													
		The contact with the next interval is gradational - weathering.													
13.1	**15.5**	**MINERALISED GABBRO**	13.1	14.1	10600	300	33000	16500	-125	4950	-25	-10	470	595	430
			14.1	14.7	11600	350	30500	13300	-125	305	-25	-10	207	350	130
		Very weathered, ironstained khaki and olive green, medium grained gabbro; with sparse grey sulphides; poor core recovery (see recoveries).	14.7	15.5	12700	345	31000	9420	-125	300	-25	-10	177	247	140
			15.5	16.1	30500	970	131000	26000	480	930	300	21	447	812	362
		The interval is extremely broken and puggy.													
			16.1	17.2	990	135	2030	505	-125	270	-25	-10	11.3	14.3	8
		The contact with the next interval is sharp but broken.													
15.5	**16.1**	**MASSIVE SULPHIDE**	15.5	16.1	30500	970	131000	26000	480	930	300	21	447	812	362
		Grey bronze, massive sulphide; very poor core recovery of only 33%.													

COMPANY Allegiance Metals
PROJECT Melba Flats
HOLE NUMBER MF64

from m	to m	DESCRIPTION	from m	to m	Ni ppm	Co ppm	S ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Ag ppm	Pt ppb	Pd ppb	Au ppb
		The interval is extremely broken.													
		The contact with the next interval is sharp but broken.													
16.1	**20.5**	**VOLCANICLASTIC AND SILTSTONE**	16.1	17.2	990	135	2030	505	-125	270	-25	-10	11.3	14.3	8
		Light grey and brown grey, fine grained volcaniclastic and siltstone.													
		BCA at 18.8m = 30 degrees. BCA at 20.3m = 30 degrees.													
		The interval is extremely broken.													
		END OF HOLE AT 20.5m													

bhid	from	to	recovery	recovery
	m	m	m	%
MF64	0.0	3.0	2.7	90
MF64	3.0	4.0	0.8	80
MF64	4.0	5.0	0.8	80
MF64	5.0	6.0	0.7	70
MF64	6.0	7.0	1.0	100
MF64	7.0	8.0	0.2	20
MF64	8.0	9.0	0.7	70
MF64	9.0	10.6	1.3	81
MF64	10.6	11.8	0.9	75
MF64	11.8	12.7	0.9	100
MF64	12.7	13.5	0.7	87
MF64	13.5	14.1	0.4	67
MF64	14.1	14.7	0.4	67
MF64	14.7	15.5	0.6	75
MF64	15.5	16.1	0.2	33
MF64	16.1	16.6	0.4	80
MF64	16.6	17.2	0.5	83
MF64	17.2	17.6	0.3	75
MF64	17.6	18.3	0.3	43
MF64	18.3	18.8	0.5	100
MF64	18.8	19.8	0.9	90
MF64	19.8	20.5	0.6	86

END OF HOLE AT 20.5m