Groundwater Monitoring – Field Sheet

Client:			BORE ID: BORE-MW46
Project:			Job No.:
Location:	Casing diameter: 50 mm		Date: 20.1.20

BORE CONSTRUCTION

Head-works	☐ Flush-mount ☐ Monument ☐ Casing only ☐ Locked	Measurement Point	☐ Top of PVC Casing
Total Depth: 5.988 m			

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L
Comments (e.g. sediment content):			

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method:	Water Quality Meter used:		Undertaken By: IO/PK/AH
Depth to water: 4.144 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
-	1	439.6	23.5	282.5	5.67	10.4	0.87	45.3	~4.1
1	4	449.6	23.2	292.6	5.51	5.2	0.44	44.2	
1.5	7	441.1	23.1	285.2	5.45	4.1	0.34	49.7	
2.1	10	440.7	23.1	286.6	5.43	3.5	0.32	51.1	
2.6	12	445.5	23.1	289.5	5.42	3.2	0.29	51.2	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

Good, no sheen, Brown in colour, no odour

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:
Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):		
Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:
Comments:		

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client:			BORE ID: MR_MW05
Project:			Job No.:
Location:	Casing diameter: 50 mm		Date: 21.1.20

BORE CONSTRUCTION

Head-works	☐ Flush-mount ☐ Monument ☐ Casing only ☐ Locked	Measurement Point	☐ Top of PVC Casing
		Total Depth:	4.93 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L
Comments (e.g. sediment content):			

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method:	Water Quality Meter used:		Undertaken By: TO/PK/AH
Depth to water: 2.53 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
—	1	26142	19.7	7055.4	5.92	5.5	0.45	-63.6	~2.53
1	4	26321	19.4	7095.4	5.69	3.4	0.28	-72.7	↓
1.8	7	26000	19.5	6882.4	5.62	2.2	0.19	-81.1	↓
2.5	10	25507	19.5	6572.1	5.57	1.6	0.13	-78.7	↓
3	12	25192	19.5	6371.2	5.55	1.5	0.13	-75.8	↓

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): good,
green/grey, no sheen, no odour, low to mod sed.

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:
Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):		
Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:
Comments:		

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client:		BORE ID: BORR_MW04
Project:		Job No.:
Location:	Casing diameter: 50 mm	Date: 18.2.20

BORE CONSTRUCTION

Head-works	☐ Flush-mount ☐ Monument	☐ Casing only ☐ Locked	Measurement Point ☐ Top of PVC Casing	Total Depth: 13.224 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method:	Water Quality Meter used:		Undertaken By: PK/AH
Depth to water: 4.805 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.5	3	4391	18.8	2854	6.53	12.1	1.12	-55.3	
1.4	6	4451	19.0	2894	6.49	11.4	1.09	-58.8	
2	9	4476	18.9	2910	6.46	11.4	1.05	-53.8	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

no sheen, no odour, light yellow/brown, low to mod sed

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client:			BORE ID: BORE-MW05
Project:			Job No.:
Location:	Casing diameter: 50 mm		Date: 18.2.20

BORE CONSTRUCTION

Head-works	☐ Flush-mount ☐ Monument	☐ Casing only ☐ Locked	Measurement Point ☐ Top of PVC Casing	Total Depth: 8.017 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method:	Water Quality Meter used:		Undertaken By: DK/AH
Depth to water: 5.941 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
1	3	1315	21.0	855	6.45	12.9	1.16	-106.7	
1.5	5	1294	21.0	841	6.41	12.0	1.08	-109.6	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

cloudy yellow, no sheen, no odour, mod sed

SAMPLING DETAILS		Sample ID: Internal Lab QA/QC
Time:	Vol. Removed: L	No of Sample Containers: 10

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client:			BORE ID: Bore_MW06
Project:			Job No.:
Location:	Casing diameter:	50 mm	Date: 18.2.20

BORE CONSTRUCTION

Head-works	☐ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point ☐ Top of PVC Casing	Total Depth: 7.86 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method:	Water Quality Meter used:		Undertaken By: PK/AH
Depth to water: 5.70 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.5	3	736	21.9	475	7.26	11.8	1.03	-198.4	
1	6	436.7	21.7	282	6.75	11.6	1.03	-148.2	
1.5	9	392.5	21.7	256	6.54	11.5	1.02	-136.4	
2	12	414.3	21.6	268	6.57	11.4	1.01	-141.1	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

no odour, no sheen, brown, mod sed

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers: 8

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client:			BORE ID: BORE_MW08a
Project:			Job No.:
Location:	Casing diameter: 50 mm		Date: 18.2.20

BORE CONSTRUCTION

Head-works	☐ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point	☐ Top of PVC Casing	Total Depth: 5.740 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method:	Water Quality Meter used:		Undertaken By: PK/AH
Depth to water: 3.821 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.5	3	529	20.5	344	5.89	14.0	1.26	-66.7	
1.5	6	535	20.4	348	5.84	11.7	1.05	-78.7	
2	8	535	20.5	348	5.83	11.3	1.62	-83.6	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

sulphur odour, yellow, no sheen, low-mod sed

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client:		BORE ID: BORE MW09.
Project:		Job No.:
Location:	Casing diameter: 50 mm	Date: 18.2.20

BORE CONSTRUCTION

Head-works	☐ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point	☐ Top of PVC Casing	Total Depth: 5.325 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method:	Water Quality Meter used:		Undertaken By: PK/AH
Depth to water: 3.93 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.3	3	202.9	22.4	132	6.12	16.3	1.42	66.7	
1	6	186.4	22.2	121	6.00	20.4	1.80	79.2	
1.5	9	175.1	22.3	114	5.95	28.9	2.53	87.8	
2	12	173.2	22.3	113	5.92	30.0	2.61	93.4	
2.5	15	173.4	22.3	113	5.91	29.0	2.54	97.5	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

good, no sheen, clear, no odour, no low sed

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client:			BORE ID: BORA_MW10
Project:			Job No.:
Location:	Casing diameter: 50 mm		Date: 18.2.20

BORE CONSTRUCTION

Head-works	☐ Flush-mount ☐ Monument	☐ Casing only ☐ Locked	Measurement Point	☐ Top of PVC Casing	Total Depth: 3.94 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method:	Water Quality Meter used:		Undertaken By: PK / AH
Depth to water: 2.17 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.5	3	808	22.2	526	5.89	14.4	1.25	-117.0	
1.3	6	645	22.4	419	5.71	11.8	1.03	-87.3	
2.3	9	551	22.6	357	5.69	11.8	1.02	~~-74.1~~	
2.8	12	519	22.6	336	5.67	11.8	1.02	-68.2	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

no sheen, grey, no odour, mod sed

SAMPLING DETAILS

Time:	Vol. Removed: L	Sample ID:
		No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

FD03 FS01

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client:		BORE ID: BORL MW11
Project:		Job No.:
Location:	Casing diameter: 50 mm	Date: 18.2.20

BORE CONSTRUCTION

Head-works	☐ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point	☐ Top of PVC Casing	Total Depth: 3.98 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method:	Water Quality Meter used:		Undertaken By: PK/AH
Depth to water: 3.98 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

DRY

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument–specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client:		BORE ID: BOKR_MW12.
Project:		Job No.:
Location:	Casing diameter: 50 mm	Date: 19/2/20

BORE CONSTRUCTION

Head-works	☐ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point	☐ Top of PVC Casing	Total Depth: 4.406 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method:	Water Quality Meter used:		Undertaken By: RK/ATT
Depth to water: 2.254m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.5	3	761	22.2	493	6.34	14.8	1.28	-57.6	
1.2	6	680	22.4	441	6.26	13.0	1.12	-55.3	
2	9	610	22.5	396	6.20	12.2	1.06	-49.2	
2.5	12	594	22.5	386	6.17	11.9	1.03	-45.6	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

Good, no odour, no sheen, clear, low sed

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client:		BORE ID: BORE_MW13
Project:		Job No.:
Location:	Casing diameter: 50 mm	Date: 17.2.20

BORE CONSTRUCTION

Head-works	☐ Flush-mount ☐ Monument ☐ Casing only ☐ Locked	Measurement Point ☐ Top of PVC Casing	Total Depth: 4.39 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method:	Water Quality Meter used:		Undertaken By: PIK/AH
Depth to water: 1.290m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.7	2	907	24.5	589	6.21	16.0	1.33	-134.6	~4.4
1.5	5	907	24.4	589	6.20	15.0	1.26	-131.4	
2.3	7	904	24.3	587	6.18	14.1	1.18	-119.7	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

no odour, no sheen, mod sed, clear

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☒	Duplicate Sample ID: FD02

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

(6)

Groundwater Monitoring – Field Sheet

Client:		BORE ID: BORE_MW15
Project:		Job No.:
Location:	Casing diameter: 50 mm	Date: 17.2.20

BORE CONSTRUCTION

Head-works	☐ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point	☐ Top of PVC Casing	Total Depth: 3.731 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method:	Water Quality Meter used:		Undertaken By:
Depth to water: 1.989 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.5	3	182.6	23.5	118	5.97	13.1	1.12	-105.3	
1.3	5	180.1	23.6	117	5.89	11.5	0.98	-122.6	
2.3	7	179.1	24.5	116	5.83	11.6	0.97	-133.0	
2.4	9	183.8	25.3	119	5.80	11.8	0.98	-119.8	
3	11	195.9	26.6	128	5.87	11.3	0.90	-126.0	
3.5	13	181.6	24.0	117	5.91	10.4	0.88	-140.1	
4	15	175.8	23.9	114	5.84	10.4	0.88	-142.2	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

Broken, no sheen, light brown, slight odour, low to med seds

SAMPLING DETAILS

Time:	Vol. Removed: L	Sample ID:
		No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client:			BORE ID: BORE MW18
Project:			Job No.:
Location:	Casing diameter: 50 mm		Date: 17.2.20

BORE CONSTRUCTION

Head-works	☐ Flush-mount ☐ Monument	☐ Casing only ☐ Locked	Measurement Point ☐ Top of PVC Casing	Total Depth: 3.97 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L
Comments (e.g. sediment content):			

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method:	Water Quality Meter used:		Undertaken By:
Depth to water: 2.37 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.5	3	432.4	23.2	281	4.77	27.4	2.34	166.7	
1.5	6	428.5	22.9	279	4.49	21.1	1.82	202.2	
2.5	9	423.3	22.9	275	4.46	21.2	1.83	215.7	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

good, no sheen, clear, no odour, very low used

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:
Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):		
Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:
Comments:		

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

BORE_MW19

Client:		BORE ID: ~~BH~~ MW19
Project:		Job No.:
Location:	Casing diameter: 50 mm	Date: 17.2.20

BORE CONSTRUCTION 2.546

Head-works	☐ Flush-mount ☐ Monument ☐ Casing only ☐ Locked	Measurement Point ☐ Top of PVC Casing	Total Depth: ~~2~~ m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: 2.5m ~~Bailer~~	Water Quality Meter used:		Undertaken By:
Depth to water: ~~Floating~~ m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

SAMPLING DETAILS

		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments: Not deep enough to sample well ~~run~~ dry

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

BORE_MW19B

Client:			BORE ID: ~~BH1-19B~~
Project:			Job No.:
Location:	Casing diameter: 50 mm		Date: 17.2.20

BORE CONSTRUCTION

Head-works	☐ Flush-mount ☐ Monument ☐ Casing only ☐ Locked	Measurement Point	☐ Top of PVC Casing	Total Depth: 12.116 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L
Comments (e.g. sediment content):			

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method:	Water Quality Meter used:		Undertaken By: ~~AH~~ PK
Depth to water: 2.062 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.5	3	2332	21.1	1515	5.66	13.8	1.22	-62.8	
1.4	6	2316	20.9	1505	5.64	12.3	1.09	-78.1	
2	9	2272	20.8	1475	5.69	11.6	1.04	-85.8	
2.7	12	2209	20.8	1434	5.77	11.3	1.01	-88.9	
3.5	15	2153	20.8	1399	5.83	11.1	0.99	-90.0	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

sulphur odour, no sheen, light yellow, low to moderate sedimentation

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:
Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):		
Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:
Comments:		

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client:		BORE ID: BORR_MW20
Project:		Job No.:
Location:	Casing diameter: 50 mm	Date: 18.2.20

BORE CONSTRUCTION

Head-works	☐ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point	☐ Top of PVC Casing ☐ Top of Casing	Total Depth: 14.25 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method:	Water Quality Meter used:		Undertaken By: PK/AH
Depth to water: 2.944m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.5	3	4275	21.0	2776	5.76	15.0	1.32	52.7	
1	6	4234	20.8	2752	5.70	12.5	1.11	46.0	
1.7	9	4236	20.7	2763	5.67	12.0	1.06	44.7	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

clear, no sheen, no odour, low/mod sed

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client:			BORE ID: BORR-MW22
Project:			Job No.:
Location:	Casing diameter:	50 mm	Date: 20.2.20

BORE CONSTRUCTION

Head-works	☐ Flush-mount ☐ Monument	☐ Casing only ☐ Locked	Measurement Point ☐ Top of PVC Casing	Total Depth: 1.35 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method:	Water Quality Meter used:		Undertaken By:
Depth to water: — m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

DRY

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument–specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client:			BORE ID: BORE MW22B
Project:			Job No.:
Location:	Casing diameter: 50 mm		Date: 20.2.20

BORE CONSTRUCTION

Head-works	☐ Flush-mount ☐ Monument	☐ Casing only ☐ Locked	Measurement Point ☐ Top of PVC Casing	Total Depth: 13.29 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method:	Water Quality Meter used:		Undertaken By: PK/AH
Depth to water: 9.97 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.5	3	12,925	21.7	8,412	5.68	20.6	1.74	-77.4	
1.4	6	12,797	21.6	8,314	5.78	12.6	1.07	-101.6	
2.1	9	12,714	21.6	8,263	5.74	12.1	1.02	-102.7	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

Broken, no sheen, grey colour, low-slight odour, moderate sed

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client:		BORE ID: BOKL MW24
Project:		Job No.:
Location:	Casing diameter: 50 mm	Date: 20.1.20

BORE CONSTRUCTION

Head-works	☐ Flush-mount ☐ Monument ☐ Casing only ☐ Locked	Measurement Point ☐ Top of PVC Casing	Total Depth: 9.892. m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method:	Water Quality Meter used:		Undertaken By: RK/AH
Depth to water: 8.431 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.5	3	1834	21.7	1192	4.52	28.3	2.48	209.8	
0.7	6	1814	21.5	1178	4.46	25.2	2.21	242.5	
1.1	11	1792	22.6	1165	4.44	22.5	1.94	280.2	
1.4	13	1814	21.5	1178	4.44	20.9	1.84	277.9	
1.6	15	1804	21.2	1172	4.43	21.5	1.91	301.7	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

brown, no sheen, no odour, mod to high sed

SAMPLING DETAILS

		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client:		BORE ID: BORE_MW25
Project:		Job No.:
Location:	Casing diameter: 50 mm	Date: 19.2.20

BORE CONSTRUCTION

Head-works	☐ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point ☐ Top of PVC Casing	Total Depth: 13.148 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method:	Water Quality Meter used:		Undertaken By: PK/AH
Depth to water: 9.070 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.5	3	3848	19.6	2497	5.80	15.3	1.36	-64.2	
1	6	3758	19.4	2442	5.63	12.8	1.16	-54.8	
1.6	9	3743	19.4	2433	5.59	12.3	1.12	-54.3	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): light green

slight odour, no sheen, low/mod sed

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client:			BORE ID: BORR MW29
Project:			Job No.:
Location:	Casing diameter: 50 mm		Date: 19.2.20

BORE CONSTRUCTION

Head-works	☐ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point	☐ Top of PVC Casing ☐ Top of Casing	Total Depth: 8.444 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L
Comments (e.g. sediment content):			

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method:	Water Quality Meter used:		Undertaken By: PK / AH.
Depth to water: 6.165 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.5	03	985	21.1	641	5.11	14.2	1.25	-56.5	
1	6	977	20.7	635	5.05	12.5	1.12	-60.8	
1.7	9	973	20.7	632	5.04	12.0	1.07	-64.	1

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

good, no sheen, light brown, low sed, no odour

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:
Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):		
Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:
Comments:		

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client:			BORE ID: BORE_MW31
Project:			Job No.:
Location:	Casing diameter:	50 mm	Date: 19.2.20

BORE CONSTRUCTION

Head-works	☐ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point	☐ Top of PVC Casing ☐ Casing	Total Depth: 6.030 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method:	Water Quality Meter used:		Undertaken By:
Depth to water: 3.902 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.3	3	302.7	21.2	194	5.79	17.8	1.56	-131.1	
1	6	266.6	21.0	173	5.56	13.6	1.21	-124	4
1.5	9	264.8	21.0	172	5.47	12.9	1.15	-118.3	
2	12	262.5	21.1	171	5.40	12.4	1.11	-113.2	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

sulphur odour, no sheen, light yellow, low sed

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client:		BORE ID: BORE_MW32
Project:		Job No.:
Location:	Casing diameter: 50 mm	Date: 19.2.20

BORE CONSTRUCTION

Head-works	☐ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point	☐ Top of PVC Casing	Total Depth: 5.004. m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method:	Water Quality Meter used:		Undertaken By: PK/AH
Depth to water: 2.570 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.5	3	425.6	20.9	276	5.51	14.4	1.28	-85.0	
1	6	391.1	20.8	252	5.49	12.9	1.15	-90.3	
1.7	9	319.3	20.9	206	5.50	12.2	1.09	-87.5	
2.2	12	296.5	20.9	192	5.50	12.1	1.08	-84.6	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

good, no sheen, yellow, low seds, odour

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client:			BORE ID: BORR_MW37
Project:			Job No.:
Location:	Casing diameter: 50 mm		Date: 19.2.20

BORE CONSTRUCTION

Head-works	☐ Flush-mount ☐ Monument ☐ Casing only ☐ Locked	Measurement Point	☐ Top of PVC Casing
		Total Depth:	m 11.587

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L
Comments (e.g. sediment content):			

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method:	Water Quality Meter used:		Undertaken By: AH/PK
Depth to water: 5.930 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
1	3	3558	21.1	2311	5.22	12.0	1.06	145.2	
2	7	3524	20.8	2291	5.21	11.3	1.00	137.0	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

clear, no sheen, no odour, low/mod sed

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers: 10

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved): internal lab QA/QC

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:
Comments:		

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client:		BORE ID: BORE_MW39.
Project:		Job No.:
Location:	Casing diameter: 50 mm	Date: 20.2.20

BORE CONSTRUCTION

Head-works	☐ Flush-mount ☐ Monument ☐ Casing only ☐ Locked	Measurement Point ☐ Top of PVC Casing	Total Depth: m 13.814

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method:	Water Quality Meter used:		Undertaken By:
Depth to water: 8.351 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.5	3	327.5	21.3	211	5.35	14.6	1.28	166.9	
1	6	298.1	21.0	194	5.21	12.8	1.14	189.8	
18.5	9	295.3	20.9	192	5.15	12.2	1.09	201.0	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

cloudy, low/no sed, no sheen, no odour

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

bore

Client:			BORE ID: MW46
Project:			Job No.:
Location:	Casing diameter: 50 mm		Date: 18.2.20

BORE CONSTRUCTION

Head-works	☐ Flush-mount ☐ Monument ☐ Casing only ☐ Locked	Measurement Point	☐ Top of PVC Casing
Total Depth: 5.99 m			

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method:	Water Quality Meter used:		Undertaken By: PK/AH
Depth to water: 4.42 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.3	3	369.2	22.2	241	5.55	16.0	1.89	50.0	
1	6	394.0	22.2	257	5.53	12.9	1.13	41.9	
1.5	9	403.9	22.2	263	5.55	12.3	1.08	38.3	
2	12	407.9	22.2	265	5.52	12.0	1.05	39.7	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

good, no sheen, light brown, no odour, low recb

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client:			BORE ID: ~~MR_MW~~ MR_MW05
Project:			Job No.:
Location:	Casing diameter:	50 mm	Date: 18.2.20

BORE CONSTRUCTION

Head-works	☐ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point	☐ Top of PVC Casing	Total Depth: 4.94 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method:	Water Quality Meter used:		Undertaken By: PK/AH
Depth to water: 3.74 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
1	3	25800	20.9	16762	5.58	12.2	1.00	-72.8	
2.4	7	25360	20.8	16476	5.58	11.3	0.93	-79.0	
3.1	10	25052	20.8	16280	5.59	11.2	0.91	-80.2	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

~~slight~~ sulphur odour, green, mod sed, no sheen

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client:			BORE ID: BH9-2
Project:			Job No.:
Location:	Casing diameter: 50 mm		Date: 19-2-20

BORE CONSTRUCTION

Head-works	☐ Flush-mount ☐ Monument	☐ Casing only ☐ Locked	Measurement Point ☐ Top of PVC Casing	Total Depth: 8.890 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L
Comments (e.g. sediment content):			

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method:	Water Quality Meter used:		Undertaken By:
Depth to water: 3.392m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.8	3	7,951	20.3	5,169	3.63	12.0	1.10	197.6	
1.5	6	7,947	20.3	5,165	3.64	12.0	1.05	202.4	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

no odour, no sheen, clear, low sed

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:
Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):		
Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:
Comments:	internal lab QA QC	10 bottles

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client:			BORE ID: BH11-1
Project:			Job No.:
Location:	Casing diameter: 50 mm		Date: 20-2-20

BORE CONSTRUCTION

Head-works	☐ Flush-mount ☐ Monument ☐ Casing only ☐ Locked	Measurement Point	☐ Top of PVC Casing
Total Depth: 5.008 m			

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L
Comments (e.g. sediment content):			

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method:	Water Quality Meter used:		Undertaken By: PK/AH
Depth to water: 2.005 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.3	3	1,697	21.6	1,103	6.42	15.7	1.38	-143.8	
1	6	1,672	21.3	1,086	6.49	12.7	1.12	-154.6	
1.5	9	1,636	21.4	1,063	6.53	12.1	1.06	-157.7	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

good, no sheen, clear, slight odour, low redox. internal QA/QC.

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:
Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):		
Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:
Comments:		

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client:			BORE ID: BH32.1
Project:			Job No.:
Location:	Casing diameter: 50 mm		Date: 17.2.20

BORE CONSTRUCTION

Head-works	☐ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point	☐ Top of PVC Casing	Total Depth: 10.154 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L
Comments (e.g. sediment content):			

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: 4.394	Water Quality Meter used:		Undertaken By: ~~LGPK~~ AH
Depth to water: ~~10.394~~ m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
—	1min	1229	20.4	796	5.21	20	1.74	91.4	~4.39
1	3	1217	19.8	791	5.32	12.8	1.17	62.6	
1.5	5	1218	19.9	792	5.34	12.3	1.12	42.5	
2	7	1223	19.9	795	5.32	11.7	1.07	0.4	
2.5	9	1220	19.9	793	5.31	11.4	1.04	-29.2	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

good, no sheen, slight brown, slight odour, low seds.

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:
Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):		
Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:
Comments:		
CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: NRWG			BORE ID: BORRMW04
Project: BORR			Job No.:
Location:	Casing diameter: 50 mm		Date: 18.3

BORE CONSTRUCTION

Head-works	☑ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point: ☑ Top of PVC Casing

Total Depth: 13.400 m

BORE DEVELOPMENT

Method: Low flow	Date: N/A	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Low flow	Water Quality Meter used: YSI		Undertaken By: LD/DS
Depth to water: 4.721 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.3	1	4475	19.1	2908	6.51	12.5	1.04	-52.2	
1.2	3	4431	18.9	2877	6.50	4.8	0.42	-58.8	
1.8	5	4334	19.1	2812	6.51	3.7	0.34	-62.2	
2.5	7	4498	19.2	2727	6.53	3.3	0.30	-69.0	
3.2	9	4148	19.2	2687	6.54	3.2	0.29	-71.7	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

good

SAMPLING DETAILS

Time:	Vol. Removed: L	Sample ID: BORR MW04
		No of Sample Containers: 8

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA			BORE ID: BORR MW05
Project: BORR			Job No.:
Location:	Casing diameter: 50 mm		Date: 18.3

BORE CONSTRUCTION

Head-works	☑ Flush-mount ☐ Monument ☐ Casing only ☐ Locked	Measurement Point	☑ Top of PVC Casing
		Total Depth:	8.012 m

BORE DEVELOPMENT

Method:	Date: N/A	Undertaken By:	Vol. Removed: L
Comments (e.g. sediment content):			

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Low flow	Water Quality Meter used: YSI		Undertaken By: 10/AH
Depth to water: 5.982 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
1	3	1382	21.6	897	6.43	4.9	0.43	-171.0	
1.8	5	1369	21.6	889	6.39	4.0	0.35	-180.2	
2.5	7	1318	21.6	856	6.35	3.8	0.34	-176.1	
3.2	9	1304	21.6	848	6.34	4.0	0.35	-174.0	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

good -

SAMPLING DETAILS

		Sample ID:	BORR MW05
Time:	Vol. Removed: L	No of Sample Containers:	8
Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):			
Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:	
Comments:			
CoC Number:	Checked by:	Date:	

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA			BORE ID: BORR MW06
Project: BORR			Job No.:
Location:	Casing diameter: 50 mm		Date: 18.3

BORE CONSTRUCTION

Head-works	☑ Flush-mount ☐ Monument ☐ Casing only ☐ Locked	Measurement Point	☑ Top of PVC Casing
		Total Depth:	7.841 m

BORE DEVELOPMENT

Method:	Date: N/A	Undertaken By:	Vol. Removed: L
Comments (e.g. sediment content):			

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Low flow	Water Quality Meter used: YSI		Undertaken By: IO/AH
Depth to water: 6.730 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
0.3	1	902	21.6	584	7.21	10.4	0.89	-188.1	
1.0	3	768	21.6	496	7.01	4.9	0.42	-189.1	
1.6	5	646	21.7	416	6.72	4.2	0.37	-186.9	
2.2	7	553	21.7	358	6.53	3.8	0.34	-190.5	
3	9	480.1	21.7	310	6.42	3.7	0.32	-193.3	
3.8	11	448.2	21.7	291	6.34	3.7	0.32	-194.9	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

good-

SAMPLING DETAILS

		Sample ID:	BORR MW06
Time:	Vol. Removed: L	No of Sample Containers:	8
Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):			
Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:	
Comments:			

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA			BORE ID: BORR MW08a
Project: BORR			Job No.:
Location:	Casing diameter: 50 mm		Date: 19.3

BORE CONSTRUCTION

Head-works	☐ Flush-mount	☑ Monument	☐ Casing only	☐ Locked	Measurement Point	☑ Top of PVC Casing	Total Depth: 5.731 m

BORE DEVELOPMENT

Method:	Date: N/A	Undertaken By:	Vol. Removed: L
Comments (e.g. sediment content):			

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: low flow	Water Quality Meter used: YSI		Undertaken By: IOI AH
Depth to water: 3.991 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.3	1	541	20.9	352	5.96	7.7	0.67	-161.4	
1	3	535	20.8	348	5.90	5.1	0.45	-161.5	
1.7	5	535	20.9	348	5.85	3.8	0.34	-161.2	
2.5		535	20.9	348	5.84	3.5	0.32	-161.7	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

good -

SAMPLING DETAILS

Time:	Vol. Removed: L	Sample ID: BORR MW08a
		No of Sample Containers: 8

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client:		BORE ID: BORE_MW09
Project:		Job No.:
Location:	Casing diameter: 50 mm	Date:

BORE CONSTRUCTION

Head-works	☐ Flush-mount ☐ Monument ☐ Casing only ☐ Locked	Measurement Point	☐ Top of PVC Casing	Total Depth: 5.320 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method:	Water Quality Meter used:		Undertaken By:
Depth to water: 4.145 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.2	1	225.0	22.7	145	6.39	23.3	1.97	-38.3	
1	3	204.5	22.4	133	6.23	7.5	0.64	-29.1	
1.5	5	197.0	22.5	128	6.18	6.9	0.59	-14.5	
2.3	7	189.3	22.5	123	6.14	8.6	0.74	-8.6	
3.2	9	186.7	22.5	121	6.12	9.4	0.82	-6.0	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

SAMPLING DETAILS

		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client:			BORE ID: BORE-MW10
Project:			Job No.:
Location:	Casing diameter: 50 mm		Date:

BORE CONSTRUCTION

Head-works	☐ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point ☐ Top of PVC Casing	Total Depth: 3.938 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method:	Water Quality Meter used:		Undertaken By:
Depth to water: 2.266 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.3	1	1130	22.2	733	6.15	89.7	0.83	-187.4	
1	3	892	22.4	578	6.06	6.4	0.55	-180.7	
1.6	5	708	22.5	460	6.00	5.2	0.49	-161.0	
2.4	7	639	22.6	414	5.97	5.7	0.49	-149.9	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client:			BORE ID: BORE_MW11
Project:			Job No.:
Location:	Casing diameter: 50 mm		Date:

BORE CONSTRUCTION

Head-works	☐ Flush-mount ☐ Monument ☐ Casing only ☐ Locked	Measurement Point	☐ Top of PVC Casing	Total Depth: 3.978 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method:	Water Quality Meter used:		Undertaken By:
Depth to water: 3.472m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

no recharge, sludgy @ bottom

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA			BORE ID: BORR - MW12.
Project: BORR			Job No.: 61370411.0837
Location:	Casing diameter: 50 mm		Date: 18·3·20

BORE CONSTRUCTION

Head-works	☑ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point: ☑ Top of PVC Casing	Total Depth: 4·443 m

BORE DEVELOPMENT

Method:	Date: N/A	Undertaken By:	Vol. Removed: L
Comments (e.g. sediment content):			

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Low flow	Water Quality Meter used: YSI		Undertaken By: IO/AD
Depth to water: 2·353 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
0·3	1	898	22·4	582	6·25	13·5	1·15	-86·4	
1·2	3	670	22·7	434	6·33	4·0	0·34	-145·0	
2	5	609	22·8	395	6·26	3·3	0·28	-149.4	
2·5	7	601	22·9	390	6·24	3·1	0·27	-150·5	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

good - n

SAMPLING DETAILS

		Sample ID: BORR - MW12
Time:	Vol. Removed: L	No of Sample Containers: 8

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

BORE

Client:			BORE ID: MW13
Project:			Job No.:
Location:	Casing diameter: 50 mm		Date:

BORE CONSTRUCTION

Head-works	☐ Flush-mount ☐ Monument ☐ Casing only ☐ Locked	Measurement Point	☐ Top of PVC Casing
Total Depth: 4.040 m			

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L
Comments (e.g. sediment content):			

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method:	Water Quality Meter used:		Undertaken By:
Depth to water: 1.390 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
~~40.8~~	~~23~~	911	24.7	593	6.17	12.1	0.99	31.8	
1.5	5	931	24.5	606	6.18	18.7	1.50	0.7	
2.3	8	953	24.7	620	6.27	22.1	1.89	-28.2	
2.5	10	949	~~24.9~~	616	6.23	~~22.7~~	1.84	-28.6	
			24.5			22.8			

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

good, no sheen, clear FD01

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:
Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):		
Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:
Comments:		

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client:			BORE ID: BORR MW15
Project:			Job No.:
Location:	Casing diameter: 50 mm		Date: 1613

BORE CONSTRUCTION

Head-works	☐ Flush-mount ☐ Monument ☐ Casing only ☐ Locked	Measurement Point	☐ Top of PVC Casing
Total Depth: m	3.760		

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L
Comments (e.g. sediment content):			

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method:	Water Quality Meter used:		Undertaken By:
Depth to water: 2.007 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
1	3	153.9	24.0	100	5.72	5.7	0.48	193.7	
1.5	6	150.3	24.0	98	5.69	3.3	0.28	-210.8	
2.2	9	156.2	24.1	102	5.70	2.8	0.24	-214.0	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:
Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):		
Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:
Comments:		

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client:		BORE ID: BORA MW18
Project:		Job No.:
Location:	Casing diameter: 50 mm	Date:

BORE CONSTRUCTION

Head-works: ☐ Flush-mount ☐ Monument ☐ Casing only ☐ Locked	Measurement Point: ☐ Top of PVC Casing	Total Depth: 3.984 m	

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method:	Water Quality Meter used:		Undertaken By:
Depth to water: 3.439 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.5	3	438.4	23.5	285	4.69	11.3	0.95	149.1	
1.2	5	433.9	23.4	282	4.49	9.2	0.78	137.9	
2	7	431.9	23.3	280	4.47	9.0	0.77	134.0	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client:		BORE ID: BOKR - MW19
Project:		Job No.:
Location:	Casing diameter: 50 mm	Date:

BORE CONSTRUCTION

Head-works	☐ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point	☐ Top of PVC Casing	Total Depth: 2.551 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method:	Water Quality Meter used:		Undertaken By:
Depth to water: m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

DRY

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client:			BORE ID: BORE_MW19b
Project:			Job No.:
Location:	Casing diameter: 50 mm		Date:

BORE CONSTRUCTION

Head-works	☐ Flush-mount ☐ Monument	☐ Casing only ☐ Locked	Measurement Point ☐ Top of PVC Casing	Total Depth: 12.301 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method:	Water Quality Meter used:		Undertaken By:
Depth to water: 2.135 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
1	3	2344	20.9	1523	5.82	4.8	0.43	-172.6	
1.6	5	2335	20.9	1517	5.78	4.2	0.37	-181.7	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

SAMPLING DETAILS

		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client:			BORE ID: BORE MW20
Project:			Job No.:
Location:	Casing diameter: 50 mm		Date:

BORE CONSTRUCTION

Head-works	☐ Flush-mount ☐ Monument ☐ Casing only ☐ Locked	Measurement Point	☐ Top of PVC Casing
Total Depth: 14.063 m			

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L
Comments (e.g. sediment content):			

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method:	Water Quality Meter used:		Undertaken By:
Depth to water: 2.009 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
1	3	4363	21.5	2836	5.43	12.2	1.01	55.5	
1.5	5	4350	21.4	2828	5.43	5.6	0.48	23.6	
2	7	4347	21.3	2826	5.43	4.6	0.40	7.2	
2.6	9	4343	21.2	2823	5.44	4.0	0.35	-0.8	
3.2	11	4343	21.2	2823	5.44	3.8	0.33	-3.4	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

SAMPLING DETAILS

Time:	Vol. Removed: L	Sample ID:
		No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client:			BORE ID: BORE_MW22
Project:			Job No.:
Location:	Casing diameter:	50 mm	Date:

BORE CONSTRUCTION

Head-works	☐ Flush-mount ☐ Monument ☐ Casing only ☐ Locked	Measurement Point	☐ Top of PVC Casing	Total Depth: m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method:	Water Quality Meter used:		Undertaken By:
Depth to water: m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

DRY

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client:		BORE ID: BORL_MW22B
Project:		Job No.:
Location:	Casing diameter: 50 mm	Date:

BORE CONSTRUCTION

Head-works	☐ Flush-mount ☐ Monument	☐ Casing only ☐ Locked	Measurement Point ☐ Top of PVC Casing	Total Depth: 13.091 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L
Comments (e.g. sediment content): /			

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method:	Water Quality Meter used:		Undertaken By:
Depth to water: 3.091 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
0.8	3	13185	22.3	8570	5.29	7.0	0.56	-102.6	
1.5	5	13133	22.1	8537	6.38	4.2	0.35	-126.6	
2.2	7	13092	22.1	8509	5.43	3.5	0.29	-137.6	
2.6	9	13052	22.1	8486	5.49	3.2	0.27	-145.4	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:
Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):		
Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:
Comments:		

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client:			BORE ID: BORE MW24
Project:			Job No.:
Location:	Casing diameter: 50 mm		Date:

BORE CONSTRUCTION

Head-works	☐ Flush-mount ☐ Monument ☐ Casing only ☐ Locked	Measurement Point	☐ Top of PVC Casing
Total Depth: 9.910 m			

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L
Comments (e.g. sediment content):			

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method:	Water Quality Meter used:		Undertaken By:
Depth to water: 8.461 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.4	1	1815	20.4	1180	4.32	23.4	2.09	135.7	
1.2	3	1818	20.5	1182	4.21	20.7	1.85	160.6	
1.8	5	1795	20.5	1167	4.23	18.3	1.63	175.9	
2.5	7	1795	20.6	1167	4.22	17.4	1.55	183.9	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

SAMPLING DETAILS

Time:	Vol. Removed: L	Sample ID:
		No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client:		BORE ID: BORE MW25
Project:		Job No.:
Location:	Casing diameter: 50 mm	Date:

BORE CONSTRUCTION

Head-works: ☐ Flush-mount ☐ Monument ☐ Casing only ☐ Locked	Measurement Point: ☐ Top of PVC Casing	Total Depth: 13.300 m	

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri	Water Quality Meter used: YSI		Undertaken By:
Depth to water: 8.161 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
1	3min	3727	19.8	2422	5.34	5.8	0.51	-108.8	~8
2	6min	3725	19.7	2422	5.33	4.8	0.41	-113.2	~8
3	9min	3725	19.7	2421	5.34	4.3	0.39	-115.6	~8
4	12min	3726	19.7	2422	5.34	4.1	0.37	-117.7	~8
5	15min	3723	19.7	2420	5.34	3.9	0.35	-119.4	~8

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

SAMPLING DETAILS

		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client:			BORE ID: Bore mw29
Project:			Job No.:
Location:	Casing diameter: 50 mm		Date: 13/7

BORE CONSTRUCTION

Head-works	☐ Flush-mount ☐ Monument ☐ Casing only ☐ Locked	Measurement Point	☐ Top of PVC Casing
Total Depth: 8.565 m			

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L
Comments (e.g. sediment content):			

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method:	Water Quality Meter used:		Undertaken By:
Depth to water: 6.225 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
1	3min	1101	20 9	716	4.19	20.8	1.85	-130.5	~6.5
2	6	1113	20.4	724	4.90	8.7	0.78	-142.0	~6.5
3	9	1115	20 2	725	4.86	4 2	0.38	-149.5	~6.5
4	12	1115	20.2	725	4.86	4.1	0.37	-149 7	~6.5

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): clear, brown, slight organic odour, no sheen, low sed.

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:
Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):		
Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:
Comments:		

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client:			BORE ID: BOKK - MW31
Project:			Job No.:
Location:	Casing diameter: 50 mm		Date:

BORE CONSTRUCTION

Head-works	☒ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point	☐ Top of PVC Casing	Total Depth: 6.003 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri pump	Water Quality Meter used: YSI pro		Undertaken By:
Depth to water: 3.964 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
1	3	267.2	21.7	174	5.24	18.8	1.29	-179.6	~4
2	6	265.5	21.2	172	5.20	8.2	0.69	-184.3	~4
3	9	264.4	21.1	172	5.20	6.4	0.56	-186.2	~4
4	12	264.1	21.1	172	5.18	5.8	0.51	-187.4	~4
5	15	263.6	21.1	171	5.17	5.2	0.44	-187.3	~4
6	18	263.1	21.1	171	5.17	4.4	0.38	-188.3	~4

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

SAMPLING DETAILS

		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client:			BORE ID: BOCR_MW32.
Project:			Job No.:
Location:	Casing diameter: 50 mm		Date:

BORE CONSTRUCTION

Head-works	☐ Flush-mount ☐ Monument ☐ Casing only ☐ Locked	Measurement Point	☐ Top of PVC Casing
Total Depth: m	5.1039		

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L
Comments (e.g. sediment content):			

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: 2-574	Water Quality Meter used:		Undertaken By:
Depth to water: ~~2.74~~ m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.7	3	4263	21.2	277	5.37	21.4	1.90	-187.1	
1.3	5	3950	20.8	255	5.39	5.1	0.45	-198.3	
1.8	7	3273	20.9	212	5.44	4.2	0.37	-195.4	
2.5	9	299.7	20.9	195	5.47	4.3	0.39	-191.2	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

SAMPLING DETAILS

Time:	Vol. Removed: L	Sample ID:
		No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client:		BORE ID: BORE_MW37
Project:		Job No.:
Location:	Casing diameter: 50 mm	Date:

BORE CONSTRUCTION

Head-works	☐ Flush-mount ☐ Monument ☐ Casing only ☐ Locked	Measurement Point ☐ Top of PVC Casing	Total Depth: 11.720 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method:	Water Quality Meter used:		Undertaken By:
Depth to water: 5.916 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.5	3	3670	21.5	2383	5.12	30.6	2.58	130	
1.2	5	3632	20.7	2361	5.09	19.3	1.71	21.5	
1.8	7	3596	20.6	2337	5.13	210	1.87	19.8	
2.3	9	3573	20.5	2323	5.16	19.8	1.76	1.9	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

SAMPLING DETAILS

		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client:			BORE ID: BORK_MW39
Project:			Job No.:
Location:	Casing diameter: 50 mm		Date:

BORE CONSTRUCTION

Head-works	☐ Flush-mount ☐ Monument ☐ Casing only ☐ Locked	Measurement Point	☐ Top of PVC Casing
Total Depth: 14.025 m			

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L
Comments (e.g. sediment content):			

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method:	Water Quality Meter used:		Undertaken By:
Depth to water: 8.377m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
1	3	355.9	20.7	231	5.32	13.1	1.17	99.5	
1.8	5	333.6	20.7	216	5.23	6.2	0.55	105.2	
2.5	7	321.1	20.7	208	5.17	4.7	0.42	108.3	
3.2	9	315.0	20.6	205	5.14	4.3	038	110.3	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

SAMPLING DETAILS

		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:
Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):		
Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:
Comments:		

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA			BORE ID: MW46
Project: BORR			Job No.:
Location:	Casing diameter: 50 mm		Date: 18.3.20

BORE CONSTRUCTION

Head-works	☑ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point	☑ Top of PVC Casing	Total Depth: 5.994 m

BORE DEVELOPMENT

Method:	Date: NT	Undertaken By: A	Vol. Removed: L
Comments (e.g. sediment content):			

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Low flow	Water Quality Meter used: Y81		Undertaken By: 10/9m
Depth to water: 4.514 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
0.5	1	360.9	23.0	239	5.27	7.9	0.66	1.0	
1.2	3	437.1	23.0	285	5.43	5.3	0.45	15.2	
2	5	465.8	23.1	305	5.50	4.6	0.39	-28.5	
2.7	7	478.5	23.1	311	5.49	4.5	0.39	-37.5	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

good-

SAMPLING DETAILS		Sample ID: MW46
Time:	Vol. Removed: L	No of Sample Containers: 8
Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):		
Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:
Comments:		

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client:		BORE ID: MR_MW05
Project:		Job No.:
Location:	Casing diameter: 50 mm	Date:

BORE CONSTRUCTION

Head-works	☐ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point	☐ Top of PVC Casing	Total Depth: 4.981 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method:	Water Quality Meter used:		Undertaken By:
Depth to water: 2.867 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
0.4	1	23,164	20.4	15,065	5.49	8.9	0.72	-137.9	
1	3	23,314	20.4	15,155	5.53	5.6	0.49	-143.8	
1.5	5	23,499	20.5	15,277	5.70	37.3	3.22	-119.8	
2.2	7	23,584	20.7	15,339	5.85	61.4	5.10	-106.7	
3.0	9	23,242	~~20.2~~ 19.9	15,102	5.49	7.4	0.61	-136.3	
3.8	11	23,238	20.0	15,107	5.48	5.0	0.41	-139.5	
4.5	13	23,228	20.0	15,098	5.48	4.1	0.33	-139.0	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client:			BORE ID: BH9-2
Project:			Job No.:
Location:	Casing diameter: 50 mm		Date: 17/3

BORE CONSTRUCTION

Head-works	☐ Flush-mount ☐ Monument ☐ Casing only ☐ Locked	Measurement Point	☐ Top of PVC Casing
Total Depth: m	8.850		

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L
Comments (e.g. sediment content):			

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method:	Water Quality Meter used:		Undertaken By:
Depth to water: 3.435 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
1	3min	7400	21.5	5199	3.28	48.1	3.40	58.7	~3.5
2	6	8011	20.7	5208	3.25	20.7	1.75	46.4	~3.5
3	9	8000	20.1	5197	3.24	12.4	1.06	40.2	~3.5
4	12	8000	20.1	5197	3.24	10.0	1.03	40.0	~3.5

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

SAMPLING DETAILS

Time:	Vol. Removed: L	Sample ID:
		No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client:		BORE ID: BH11-1
Project:		Job No.:
Location:	Casing diameter: 50 mm	Date: 17 3 20

BORE CONSTRUCTION

Head-works	☐ Flush-mount ☐ Monument ☐ Casing only ☐ Locked	Measurement Point ☐ Top of PVC Casing	Total Depth: 5.129 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method:	Water Quality Meter used:		Undertaken By:
Depth to water: 1.748 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
1	3	2300	21.1	1495	6.10	6.3	0.55	-176.8	
1.8	5	2305	21.3	1498	6.08	4.8	0.42	-177.0	
2.5	7	2309	21.3	1501	6.07	4.2	0.37	-176.7	
3.2	9	2315	21.4	1505	6.06	3.9	0.34	-175.9	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): FD03 FS01

good,

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client:			BORE ID: BH32·1
Project:			Job No.: 6137041
Location:	Casing diameter: 50 mm		Date: 16/3

BORE CONSTRUCTION

Head-works	☐ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point: ☐ Top of PVC Casing; Total Depth: 10.100 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method:	Water Quality Meter used:		Undertaken By:
Depth to water: 4.368 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.5	1	1238	20.0	1118	4.90	4.8	0.43	29.3	~4.4
1	3.30	1236	19.9	1116	4.92	3.3	0.29	-16.8	~4.4
2	5	1234	19.9	1113	4.99	2.6	0.23	-54.7	~4.4
3	8.50	1232	19.9	801	4.99	2.3	0.21	-86.1	~4.4
4	11	1230	19.8	800	4.98	2.2	0.20	-87.0	~4.4

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): clear, slight organic odour, no sheen, good headworks. low sed.

SAMPLING DETAILS

Time:	Vol. Removed: L	Sample ID: BH32-1
		No of Sample Containers: 8 + 1 internal lab QA/QC.

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA			BORE ID: BORR MW04
Project: BORR GW sampling			Job No.: 6137041
Location: BORR	Casing diameter:	50 mm	Date: 2/14

BORE CONSTRUCTION

Head-works	☒ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point	☐ Top of PVC Casing	Total Depth: 13.228 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri-pump	Water Quality Meter used: YSI		Undertaken By:
Depth to water: 4.810 m	Water Column: ~8 m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
1	3min	4420	19.0	2873	6.51	13.7	1.25	-87.3	~4.8
2	6min	4419	19.0	2872	6.50	13.3	1.22	-96.0	~4.8
3	9min	4416	18.9	2870	6.50	13.1	1.20	-100.8	~4.8
4	12min	4416	19.0	2871	6.50	12.9	1.18	-100.7	~4.8

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): Clear, no odour, no sheen, low-no sed

SAMPLING DETAILS

		Sample ID: BORR MW04
Time:	Vol. Removed: L	No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA			BORE ID: BORR MW05
Project: BORR GW Sampling			Job No.: 6137041
Location: BORR	Casing diameter:	50 mm	Date: 21/4

BORE CONSTRUCTION

Head-works	☑ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point	☐ Top of PVC Casing	Total Depth: 8.005 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri Pump	Water Quality Meter used: YSI		Undertaken By:
Depth to water: 6.038 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
1L	3mins	1391	21.6	900	6.70	20.3	1.66	-129.0	
2L	6mins	1348	21.3	874	6.52	14.8	1.29	-132.8	
3L	9min	1329	21.3	863	6.50	13.7	1.21	-134.5	
4L	12min	1314	21.3	854	6.48	13.1	1.16	-135.9	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

Root ingress, Clear to brown, no sediment, no odour, no sheen.

SAMPLING DETAILS

		Sample ID: BORR MW05	
Time:	Vol. Removed: L	No of Sample Containers: 5	

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.
Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: ARUWA		BORE ID: BORR MW06	
Project: BORR OW Samples		Job No.: 6137041	
Location: BORR	Casing diameter: 50 mm	Date: 21/4	

BORE CONSTRUCTION

Head-works	☑ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point ☐ Top of PVC Casing	Total Depth: 7.840 m

BORE DEVELOPMENT

Method: ~~Bore Pump~~	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri Pump	Water Quality Meter used: YSI		Undertaken By:
Depth to water: 5.862 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
1L	3 min	750	21.7	485	6.51	12.6	1.11	-111.2	
2L	6 min	709	21.7	453	6.44	12.5	1.10	-113.2	
3L	9 min	698	21.7	443	6.34	12.6	1.10	-114.2	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): clear, grey, no odour, no sheen, low sed.

SAMPLING DETAILS

Time:	Vol. Removed: L	Sample ID: BORR MW06
		No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA			BORE ID: BORE MW08a
Project: Bore GW Sampling			Job No.: 61370411
Location: BORE	Casing diameter:	50 mm	Date:

BORE CONSTRUCTION

Head-works	☒ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point ☐ Top of PVC Casing	Total Depth: 5.735 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri Pump	Water Quality Meter used: YSI			Undertaken By:
Depth to water: 4.155 m	Water Column: m	Req Purge Vol. [1]: L		Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm		Depth to NAPL: m
Pump intake: m				

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
1	3 min	563	20.8	366	5.90	12.2	1.09	-91.5	
2	6 min	561	20.6	364	5.90	12.1	1.08	-92.0	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): Clear, no odour, no sheen, low sed.

SAMPLING DETAILS		Sample ID: BORE MW08a
Time:	Vol. Removed: L	No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.
Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA			BORE ID: BORE MW09
Project: BORA GW Sampling			Job No.: 6137041
Location: BORA	Casing diameter: 50 mm		Date:

BORE CONSTRUCTION

Head-works	☑ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point ☐ Top of PVC Casing	Total Depth: 5.325 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri pump	Water Quality Meter used: YSI		Undertaken By:
Depth to water: 4.338 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
1	3min	209.0	22.3	136	6.06	15.6	1.35	-44.5	
2	6min	206.1	22.3	134	6.05	15.4	1.34	-42.2	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): clear, no odour, no sheen, low sed

SAMPLING DETAILS

		Sample ID: BORE MW09
Time:	Vol. Removed: L	No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA		BORE ID: BORR MW10	
Project: BORR Crw Sampling		Job No.: 6137041	
Location: BORR	Casing diameter: 50 mm	Date: 21/4	

BORE CONSTRUCTION

Head-works	☐ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point ☐ Top of PVC Casing	Total Depth: 3.941 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri Pump	Water Quality Meter used: YSI		Undertaken By:
Depth to water: 2.315 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
1	3min	605	22.0	522	5.8	15.6	1.36	-88.2	
2	6min	758	22.0	489	5.8	14.4	1.26	-82.0	
3	9min	708	22.0	459	5.7	14	1.22	-78.6	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

clear, no odour, no sheen, low sed

SAMPLING DETAILS		Sample ID: BORR MW10
Time:	Vol. Removed: L	No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.
Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA			BORE ID: BORE MW11
Project: GW/SW Sampling			Job No.: 6137041
Location: BORE	Casing diameter:	50 mm	Date:

BORE CONSTRUCTION

Head-works	☐ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point ☐ Top of PVC Casing	Total Depth: 3.982 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method:	Water Quality Meter used:			Undertaken By:
Depth to water: m	Water Column: m	Req Purge Vol. [1]: L		Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm		Depth to NAPL: m
Pump intake: m				

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
	DRY - could not sample.								

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

Dry

SAMPLING DETAILS

Time:	Vol. Removed: L	Sample ID:
		No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA		BORE ID: BORE MW12	
Project: BORE GW Sampling		Job No.: 6137041	
Location:	Casing diameter: 50 mm	Date: 23.4.20	

BORE CONSTRUCTION

Head-works	☑ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point	☐ Top of PVC Casing	Total Depth: 4.400 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri Pump	Water Quality Meter used: YSI		Undertaken By:
Depth to water: 2.466 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
1	3min	769	21.9	493	6.95	17.6	1.52	-95.2	~4.4
2	6min	692	22.0	440	6.81	15.4	1.34	-92.4	~4.4
3	9min	650	22.1	421	6.67	14.7	1.28	-89.7	~4.4
4	12min	619	22.1	402	6.58	14.0	1.22	-86.8	~4.4
5	15min	617	22.1	399	6.57	13.8	1.20	-86.2	~4.4

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): clear - cloudy, no odour, no sheen, low sed.

SAMPLING DETAILS

Time:	Vol. Removed: L	Sample ID:
		No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA			BORE ID: ~~BH001~~ BOR MW13
Project: Parr			Job No.: 61370411
Location:	Casing diameter: 50 mm		Date:

BORE CONSTRUCTION

Head-works				Measurement Point		Total Depth:
	☑ Flush-mount	☐ Monument	☐ Casing only ☐ Locked		☐ Top of PVC Casing	4.385 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri Pump	Water Quality Meter used: YSI		Undertaken By:
Depth to water: 1.51 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
1	3 min	888	22.8	576	6.61	~~57.1~~	4.41	34.1	
2	6 min	882	22.7	575	6.54	31.0	2.55	19.0	
3	9 min	923	22.7	599	6.56	31.4	2.73	-6.9	
4	12 min	932	22.8	606	6.58	31.9	2.75	-4.3	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): clear, no odour
no sheen, low sed.
FD03

SAMPLING DETAILS

Time:	Vol. Removed: L	Sample ID:
		No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRCA		BORE ID: Bore MW15	
Project: Bore Condition Sampling		Job No.: 6137041	
Location:	Casing diameter: 50 mm	Date:	

BORE CONSTRUCTION

Head-works				Measurement Point		Total Depth: m
	☑ Flush-mount	☐ Monument	☐ Casing only ☐ Locked		☐ Top of PVC Casing	3.735

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L
Comments (e.g. sediment content):			

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri Pump	Water Quality Meter used: YSI			Undertaken By:
Depth to water: 2.175m	Water Column: m	Req Purge Vol. [1]: L		Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm		Depth to NAPL: m
Pump intake: m				

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
1	3	180.3	22.8	117	6.10	14.6	1.26	-55.2	~2
2	6	170.1	22.8	110	6.08	14.4	1.24	-53.0	~2
3	9	164.9	22.8	106	6.05	13.8	1.18	-48.4	~2

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

Cloudy Brown, no odour, no sheen, low sed

SAMPLING DETAILS

Time:	Vol. Removed: L	Sample ID:
Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):		No of Sample Containers:

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:
Comments:		

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA			BORE ID: BORE MW18
Project: BURA Gw Sampling			Job No.:
Location:	Casing diameter:	50 mm	Date: 23/4

BORE CONSTRUCTION

Head-works				Measurement Point		Total Depth:	m
	☑ Flush-mount	☐ Monument	☐ Casing only ☐ Locked		☐ Top of PVC Casing	3.961	

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri Pump	Water Quality Meter used: YSI		Undertaken By:
Depth to water: 2.533 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
1	3 min	443.6	23.1	288	5.40	33.6	2.89	113.2	
2	6 min	443	23.9	288	5.21	33.4	2.86	126.9	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

clear, no odor, no sheen, no sed.

SAMPLING DETAILS

Time:	Vol. Removed: L	Sample ID:
		No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA			BORE ID: BORR MW 19
Project: BORR GW-SW Sampling			Job No.: 6137041
Location: BORR	Casing diameter:	50 mm	Date:

BORE CONSTRUCTION

Head-works: ☒ Flush-mount ☐ Monument	☐ Casing only ☐ Locked	Measurement Point: ☐ Top of PVC ☐ Casing	Total Depth: 2.535 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: —	Water Quality Meter used: —		Undertaken By:
Depth to water: m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
	Dry - could not sample								

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): Dry

SAMPLING DETAILS

Time:	Vol. Removed: L	Sample ID:
		No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA		BORE ID: BORR MW19 B
Project: BURR GW Sampling		Job No.:
Location:	Casing diameter: 50 mm	Date: 12.125 (23/4)

BORE CONSTRUCTION

Head-works	☑ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point	☐ Top of PVC Casing	Total Depth: m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri Pump	Water Quality Meter used: YSI		Undertaken By:
Depth to water: 2.165 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
1	3	2317	21.1	1506	5.79	19.6	1.69	-7.1	
2	6	2300	20.8	1494	5.77	13.2	1.18	-18.8	
3	9	2294	20.8	1490	5.77	12.8	1.15	-20.5	
4	12	2286	20.8	1484	5.78	12.7	1.13	-22.1	
5	15	2279	20.8	1481	5.79	12.6	1.13	-22.8	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): Clear, no odour, no sheen, no-low sed.

SAMPLING DETAILS

	Sample ID:
Time:	Vol. Removed: L
No of Sample Containers: 5	

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA			**BORE ID:** BORR MW20
Project: BORR Gw Sampling			**Job No.:** 6137041
Location: BORR	**Casing diameter:**	50 mm	**Date:** 22/4

BORE CONSTRUCTION

Head-works	☐ Flush-mount ☐ Monument	☐ Casing only	☐ Locked	**Measurement Point**	☐ Top of PVC Casing	**Total Depth:** 14.201 m

BORE DEVELOPMENT

Method:	**Date:**	**Undertaken By:**	**Vol. Removed:** L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri Pump	**Water Quality Meter used:** YSI		**Undertaken By:**
Depth to water: 2.089 m	**Water Column:** m	**Req Purge Vol.** [1]**:** L	**Flow Rate:** L/min
Presence of LNAPL ☐	**Presence of DNAPL** ☐	**Thickness of NAPL:** cm	**Depth to NAPL:** m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
1L	3min	~~4228~~	20.1	2751	5.74	16.4	1.45	29.1	
2L	6 min	4225	20	2746	5.74	14.2	1.27	~~236~~	
3L	9 min	4224	20	2746	5.74	14.0	1.25	23.1	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): clear-cloudy, no odour, no sheen, low-mod sed.

SAMPLING DETAILS

		Sample ID: BORR MW20
Time:	**Vol. Removed:** L	**No of Sample Containers:** 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	**Duplicate Samples** ☐	**Duplicate Sample ID:**

Comments:

CoC Number:	**Checked by:**	**Date:**

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA			BORE ID: Borr MW22
Project: GW/SW Sampling			Job No.: 613704/
Location: BORR	Casing diameter:	50 mm	Date: 22/4

BORE CONSTRUCTION

Head-works	☒ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point ☐ Top of PVC Casing	Total Depth: 1.350 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L
Comments (e.g. sediment content):			

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method:	Water Quality Meter used:		Undertaken By:
Depth to water: m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
	Dry - could not sample								

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): DRY

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:
Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):		
Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:
Comments:		

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MAWA			BORE ID: Borr MW22B
Project: Borr Gw Sampling			Job No.: 6137041
Location: BORR	Casing diameter: 50 mm		Date: 22/4

BORE CONSTRUCTION

Head-works	☑ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point ☐ Top of PVC Casing	Total Depth: 13.131 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L
Comments (e.g. sediment content):			

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri Pump	Water Quality Meter used: YSI		Undertaken By:
Depth to water: 4.06 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
1L	3min	13165	21.2	8564	5.41	14.9	1.26	-25.7	
2L	6min	13191	21.1	8574	5.42	13.4	1.14	-24	
3L	9min	13186	21.1	8571	5.43	13.1	1.11	-24.5	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):
Clear to cloudy white, No sheen, No odour

SAMPLING DETAILS

		Sample ID: BORR MW22B
Time:	Vol. Removed: L	No of Sample Containers: 5
Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):		
Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:
Comments:		
CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA			BORE ID: BORR MW24
Project: GW/SW Sampling			Job No.: 6137041
Location: BORR	Casing diameter:	50 mm	Date: 23/4

BORE CONSTRUCTION

Head-works	☒ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point ☐ Top of PVC Casing

Total Depth: 9.871 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri	Water Quality Meter used: YSI		Undertaken By:
Depth to water: 8.020 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
1	3min	1794	20.7	1166	4.67	31.0	2.76	312.9	~8
2	6min	1792	20.7	1165	4.67	30	2.68	316.9	~8
3	9min	1790	20.7	1163	4.6	30.8	2.71	315.1	~8

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): clear, no odour, no sheen, low sed.

SAMPLING DETAILS

		Sample ID: BORR MW24
Time:	Vol. Removed: L	No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA			BORE ID: BORR MW25
Project: Borra GW sampling			Job No.: 6137041
Location: BORR	Casing diameter:	50 mm	Date: 14

BORE CONSTRUCTION

Head-works	☑ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point ☐ Top of PVC Casing	Total Depth: 13.145 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L
Comments (e.g. sediment content):			

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri Pump	Water Quality Meter used: YSI		Undertaken By:
Depth to water: 8.25 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
1	3min	3697	18.9	2402	5.64	17.1	1.55	-20.5	~8
2	6min	3698	18.9	2404	5.64	15.0	1.36	-21.9	~8
3	9min	3699	18.9	2410	5.64	16.3	1.42	-20.8	~8
4	12min	3698	18.9	2405	5.64	16.5	1.45	-2	~8

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): Clear, no odour, no sheen, low sed.

SAMPLING DETAILS

		Sample ID: BORR MW25
Time:	Vol. Removed: L	No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA		BORE ID: BORR MW29	
Project: Bore GW sampling		Job No.: 6137041	
Location: BORR	Casing diameter: 50 mm	Date: 22/4	

BORE CONSTRUCTION

Head-works	☑ Flush-mount ☐ Monument	☐ Casing only ☐ Locked	Measurement Point ☐ Top of PVC Casing	Total Depth: 8.431 m

BORE DEVELOPMENT

Method: Ø	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri Pump	Water Quality Meter used: YSI		Undertaken By:
Depth to water: 6.321 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
1L	3mins	914	14.7	594	5.3	14.8	1.34	-112.5	
2L	6min	886	14.9	576	5.26	13.5	1.23	-112.4	
3L	9min	886	14.9	576	5.26	13.4	1.22	-112.5	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): Clear to brown, organic odour, low sed, no sheen.

SAMPLING DETAILS

Time:	Vol. Removed: L	Sample ID: 5
		No of Sample Containers: BORR MW29

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.
Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA			BORE ID: Barr MW31
Project: Barr Cover Supplies			Job No.: 6137041
Location: BORR	Casing diameter: 50 mm		Date: 22/4

BORE CONSTRUCTION

Head-works	☑ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point	☐ Top of PVC Casing	Total Depth: 6.00 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri Pump	Water Quality Meter used: YSI		Undertaken By:
Depth to water: 4.041 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
1	3 min	269.4	20.9	175	5.36	15.4	1.36	-95.0	
2	6 min	269.2	20.9	175	5.35	14.3	1.27	-88.9	
3	9 min	270.0	20.9	178	5.35	14.7	1.31	-85.5	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): Clear, no odour, no sheen, low-med sed.

SAMPLING DETAILS

		Sample ID: BORR MW31
Time:	Vol. Removed: L	No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA			**BORE ID:** Borr MW32
Project: Borr Grw Sampling			**Job No.:** 61371041
Location: BORR	**Casing diameter:** 50 mm		**Date:** 22/4

BORE CONSTRUCTION

Head-works	☑ Flush-mount ☐ Monument	☐ Casing only	☐ Locked	**Measurement Point** ☐ Top of PVC Casing	**Total Depth:** 5.044 m

BORE DEVELOPMENT

Method:	**Date:**	**Undertaken By:**	**Vol. Removed:** L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri Pump	**Water Quality Meter used:** YSI		**Undertaken By:**
Depth to water: 2.653 m	**Water Column:** m	**Req Purge Vol.** [1]**:** L	**Flow Rate:** L/min
Presence of LNAPL ☐	**Presence of DNAPL** ☐	**Thickness of NAPL:** cm	**Depth to NAPL:** m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
1 Lin	3min	304.0	20.2	196	5.65	13.2	1.19	-93.3	
2L	6min	284.8	20.2	185	5.66	13.5	1.23	-91.8	
3L	9min	284.5	20.2	183	5.65	13.7	1.25	-92.0	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): Clear, no odour, no sheen, low sed.

SAMPLING DETAILS — **Sample ID:** BORR MW32

Time:	**Vol. Removed:** L	**No of Sample Containers:** 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	**Duplicate Samples** ☐	**Duplicate Sample ID:**

Comments:

CoC Number:	**Checked by:**	**Date:**

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA		BORE ID: BORR MW37	
Project: BORR GW Sampling		Job No.: 6137041	
Location: BORR	Casing diameter: 50 mm	Date: 22/4	

BORE CONSTRUCTION

Head-works: ☑ Flush-mount ☐ Monument ☐ Casing only ☐ Locked	Measurement Point: ☐ Top of PVC Casing	Total Depth: 11.600 m	

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri Pump	Water Quality Meter used: YSI		Undertaken By:
Depth to water: 5.462m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
1	3	3572	20.3	2320	5.25	14.6	1.30	132.3	~6
2	6	3552	20.3	2305	5.25	14.0	1.25	131.8	~6
3	9	3550	20.1	2300	5.25	14.1	1.26	132.0	~6

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): Clear, - cloudy, no odour, no sheen, low sed.

SAMPLING DETAILS

Time:	Vol. Removed: L	Sample ID: BORR MW37
		No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRCNA			BORE ID: BORR MW39
Project: Burr Grv Sampling			Job No.: 6137041
Location: BORR	Casing diameter: 50 mm		Date: 23/4

BORE CONSTRUCTION

Head-works	☑ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point	☐ Top of PVC Casing	Total Depth: 13.830 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri Pump	Water Quality Meter used: YSI		Undertaken By:
Depth to water: 8.431 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
1L	3min	380.5	20.4	247	5.43	24.0	2.06	69.4	
2L	6min	346.6	20.1	226	5.33	14.9	1.37	123.7	
3L	9min	345.2	20.1	226	5.32	14.8	1.35	122.8	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

Cloudy, no sheen., no odour, low sed.

SAMPLING DETAILS

Time:	Vol. Removed: L	Sample ID: BORR MW39
		No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.
Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA		BORE ID: MW46
Project: Bore GW Sampling		Job No.:
Location:	Casing diameter: 50 mm	Date:

BORE CONSTRUCTION

Head-works	☒ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point ☐ Top of PVC Casing	Total Depth: 5.985 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri Pump	Water Quality Meter used: YSI		Undertaken By:
Depth to water: 4.630 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
1	3 min	503	22.3	327	5.56	14.1	1.23	35.7	
2	6 min	508	22.3	331	5.57	13.9	1.22	34.8	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

SAMPLING DETAILS

Time:	Vol. Removed: L	Sample ID:
		No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA			BORE ID: MR MW05
Project: Bore Groundwater sampling			Job No.:
Location:	Casing diameter:	50 mm	Date:

BORE CONSTRUCTION

Head-works	☑ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point	☐ Top of PVC Casing	Total Depth: 4.981 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri Pump	Water Quality Meter used: YST		Undertaken By:
Depth to water: 2.991 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
1	3 min	22841	20.4	14843	5.58	44.1	3.69	54.0	
2	6 min	22817	20.4	14830	5.59	45.7	3.83	54	
3	9 min	22805	20.5	14825	5.65	48.2	3.95	53.5	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

Slight organic odour, cloudy light brown, no sheen moderate sed.

SAMPLING DETAILS

Time:	Vol. Removed: L	Sample ID:
		No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA			BORE ID: BH 9.2
Project: Boar GW Sampling			Job No.: 6137041
Location: BORR	Casing diameter: 50 mm		Date: 22/4

BORE CONSTRUCTION

Head-works				Measurement Point		Total Depth: m
	☒ Flush-mount	☐ Monument	☐ Casing only ☐ Locked		☐ Top of PVC Casing	9.851

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L
Comments (e.g. sediment content):			

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri Pump	Water Quality Meter used: YSI		Undertaken By:
Depth to water: 3.70 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
1	3min	7881	20.0	5123	3.62	14.7	1.29	266.2	~3.7
2	6min	7879	20.	5121	3.62	14.1	1.24	270.9	~3.7
3	9min	7880	20.0	5122	3.62	14.3	1.27	270.1	~3.7

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): Clear, no odour, no sheen, low sed.

SAMPLING DETAILS

Time:	Vol. Removed: L	Sample ID: BH9.2
		No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.
Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MALNA			BORE ID: BH 11.1
Project: Burr Gw Sampling			Job No.: 6137041
Location: Bore	Casing diameter: 50 mm		Date: 23/4

BORE CONSTRUCTION

Head-works	☑ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point	☐ Top of PVC Casing	Total Depth: 5.060 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L
Comments (e.g. sediment content):			

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri Pump	Water Quality Meter used: YSI		Undertaken By:
Depth to water: 1.565 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
1L	3mins	2768	21	1799	5.91	14.5	1.27	-53.2	
2L	6min	2770	21.2	1800	5.91	13.7	1.20	-55.4	
3L	9min	2772	21.1	1799	5.91	13.6	1.18	-54.8	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): clear, no odour, no sheen, low sed.

SAMPLING DETAILS

Time:	Vol. Removed: L	Sample ID: BH11.1
		No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client:			BORE ID: BH32.1
Project:			Job No.:
Location:	Casing diameter: 50 mm		Date:

BORE CONSTRUCTION

Head-works				Measurement Point		Total Depth: m
	☑ Flush-mount	☐ Monument	☐ Casing only ☐ Locked		☐ Top of PVC Casing	10.131

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L
Comments (e.g. sediment content):			

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri	Water Quality Meter used: WS1		Undertaken By: DS
Depth to water: 4.355 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
1L	3min	1226	20.1	797	5.29	18.5	1.65	115.5	4.3
2L	6min	1219	19.8	792	5.32	14.1	1.28	103.2	4.3
3L	9min	1218	19.8	792	5.33	13.9	1.28	1000	4.3

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

SAMPLING DETAILS

Time:	Vol. Removed: L	Sample ID: BH32.1
		No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID: FD01/FS01 (5+5)

Comments:

CoC Number:	Checked by:	Date:

Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.
Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA			BORE ID: BORR MW04
Project: GW/SW Sampling			Job No.: 6137041
Location: BORR	Casing diameter: 50 mm		Date: 18.5.20

BORE CONSTRUCTION

Head-works	☒ Flush-mount ☐ Monument	☐ Casing only ☐ Locked	Measurement Point	☐ Top of PVC Casing	Total Depth: 13.246 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri	Water Quality Meter used: YSI		Undertaken By:
Depth to water: 4.516 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
1	4min	4305	18.6	2807.607	6.62	5.2	0.46	+113.3	~4.5
2	8min	4247	18.7	2768.503	6.63	3.2	0.29	+115.4	~4.5
3	12min	4201	18.7	2727.135	6.64	2.9	0.26	+119.2	~4.5
4	16min	4075	18.7	2684.702	6.65	2.3	0.21	+123.5	~4.5
5	20min	4046	18.8	2677.101	6.67	1.9	0.18	+124.9	~4.5
6	24min	4050	18.8	2630.20	6.67	1.8	0.17	+125.1	~4.5

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): clear / cloudy white, no odour, no sheen, low sediment

SAMPLING DETAILS

Time: 10:42 am.	Vol. Removed: L	Sample ID: BORR MW04
		No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA			BORE ID: BORR MW05
Project: Groundwater Monitoring Program			Job No.: 6137041
Location: BORR	Casing diameter:	50 mm	Date: 18/5

BORE CONSTRUCTION

Head-works	☒ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point	☐ Top of PVC Casing	Total Depth: 8.011 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri	Water Quality Meter used: YSI			Undertaken By: DS/IO
Depth to water: 6.032 m	Water Column: m	Req Purge Vol. [1]:	L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL:	cm	Depth to NAPL: m
Pump intake: m				

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
1	4min	1394	20.9	894.113	6.47	6.1	0.53	-119.6	~6.0
2	8min	1367	21.0	891.292	6.47	4.6	0.40	-123.4	~6.0
3	12min	1350	21.0	872.861	6.47	3.5	0.31	-126.0	~6.0
4	16 min	1344	21.0	871.088	6.46	3.1	0.27	-127.8	~6.0

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): clear, no odour, no sheen, low sediment

SAMPLING DETAILS		Sample ID: BORR MW05	
Time:	Vol. Removed: L	No of Sample Containers:	5 + 5 + 5.

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved): FD01 + FS01 taken here

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA			BORE ID: BORR MW06
Project: Groundwater Monitoring Program			Job No.: 6137041
Location:	Casing diameter: 50 mm		Date: 18.5.20

BORE CONSTRUCTION

Head-works	☑ Flush-mount ☐ Monument ☐ Casing only ☐ Locked	Measurement Point	☑ Top of PVC Casing	Total Depth: 4.855 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L
Comments (e.g. sediment content):			

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: L / F	Water Quality Meter used: YSI		Undertaken By: JD/DS
Depth to water: 5.715 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.4	2	1158	21.1	751.70	7.66	3.6	0.32	-223.1	~5.8
4.0	4	1125	21.0	729.10	7.59	2.8	0.24	-219.0	~5.8
12.0	6	1090	21.1	704.9	7.44	2.1	0.18	-208.0	~5.8
3.0	10	1048	21.1	698.1	7.38	1.9	0.15	-200.1	~5.8

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

good – no sheen / Slight odour, sulphur. low solids, very light brown.

SAMPLING DETAILS

Time:	Vol. Removed: L	Sample ID: BORR MW06
		No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA			BORE ID: BORE MW08a
Project: Groundwater Monitoring Program			Job No.: 6137041
Location:	Casing diameter: 50 mm		Date: 18/2/5 - 20

BORE CONSTRUCTION

Head-works	☑ Flush-mount ☐ Monument	☐ Casing only	☐ Locked	Measurement Point	☑ Top of PVC Casing	Total Depth: 5.740 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: L / F	Water Quality Meter used: YSI		Undertaken By: IO / DS
Depth to water: 4.241 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm/mg/L)	pH	DO %Sat	DO (ppm/mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.1	2	680	20.0	441.80	6.04	28.7	2.56	-46.6	-4.3
0.2	4	669	20.2	434.40	6.00	17.0	1.46	-56.4	~4.3
0.3	6	658	20.3	425.41	5.97	10.0	0.89	-65.8	~4.3
0.4	8	646	20.4	415.31	5.96	6.0	0.52	-76.0	~4.3
0.6	10	640	20.5	411.02	5.95	5.9	0.50	-80.0	~4.3

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): Clear, light brown, no odour, no sheen, lowered

SAMPLING DETAILS

Time:	Vol. Removed: L	Sample ID: BORE MW08a
		No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA			**BORE ID:** BORR_MW09
Project: Groundwater Monitoring Program			**Job No.:** 6137041
Location: BORR	**Casing diameter:**	50 mm	**Date:** 21/5/20

BORE CONSTRUCTION

Head-works	☒ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	**Measurement Point** ☐ Top of PVC Casing	**Total Depth:** 5.345 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed:
Comments (e.g. sediment content):			

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri	**Water Quality Meter used:** YSI		**Undertaken By:** DS/SE
Depth to water: 4.471 m	**Water Column:** m	**Req Purge Vol.** [1]**:** L	**Flow Rate:** L/min
Presence of LNAPL ☐	**Presence of DNAPL** ☐	**Thickness of NAPL:** cm	**Depth to NAPL:** m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.5	2	282.2	22.7	182.714	6.33	27.2	2.31	17.7	~~4.6~~ 4.6
1	4	274.8	22.6	178.214	6.13	13.6	1.15	25.4	4.6
1.5	6	272.6	22.4	177.026	6.07	10.5	0.91	33.0	4.6
2	8	270.9	22.4	176.164	6.03	9.5	0.82	44.1	4.6
2.5	10	270.3	22.4	175.628	6.02	9.1	0.79	56.7	4.6

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): OP42334

Clear, no odour, no sheen, ~~no~~ low sed

SAMPLING DETAILS

Time: 1:11 pm	**Vol. Removed:** L	**Sample ID:** BORR_MW09
		No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	**Duplicate Samples** ☐	**Duplicate Sample ID:**

Comments:

CoC Number:	**Checked by:**	**Date:**

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA			**BORE ID:** BORR_MW10
Project: Groundwater Monitoring Program			**Job No.:** 6137041
Location: BORR	**Casing diameter:**	50 mm	**Date:** 21/5

BORE CONSTRUCTION

Head-works	☒ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	**Measurement Point** ☐ Top of PVC Casing	**Total Depth:** 3.595 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri	**Water Quality Meter used:** YSI		**Undertaken By:** DS/SI
Depth to water: 2.265 m	**Water Column:** m	**Req Purge Vol.** [1]**:** L	**Flow Rate:** L/min
Presence of LNAPL ☐	**Presence of DNAPL** ☐	**Thickness of NAPL:** cm	**Depth to NAPL:** m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.5	3min	786	21.6	509, 773	5.86	6.2	0.54	3.1	~2.3
1	6min	762	21.5	500.321	5.86	6.2	0.55	3.4	~2.3

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): OP42316

No sheen, clear, no odour, low sed

Too much cord

SAMPLING DETAILS

Time: ~2:00pm	**Vol. Removed:** L	**Sample ID:** BORR_MW10	**No of Sample Containers:** 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

P (2×p + 3×up)

Field Filtered ☒ Metals	**Duplicate Samples** ☐	**Duplicate Sample ID:**

Comments:

CoC Number:	**Checked by:**	**Date:**

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA		BORE ID: BORE MW11
Project: Groundwater Monitoring Program		Job No.: 6137041
Location:	Casing diameter: 50 mm	Date: 18.5.20

BORE CONSTRUCTION

Head-works	☑ Flush-mount ☐ Monument	☐ Casing only ☐ Locked	Measurement Point	☑ Top of PVC Casing	Total Depth: 3.961 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: L/F	Water Quality Meter used: YSI		Undertaken By: IO/DS
Depth to water: m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
		DRY			WELL				

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

DRY

SAMPLING DETAILS

Time:	Vol. Removed: L	Sample ID:
		No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA			BORE ID: BORR_MW12
Project: GW/SW			Job No.: 6137041
Location: BORR	Casing diameter: 50 mm		Date: 2115

BORE CONSTRUCTION

Head-works				Measurement Point		Total Depth: m
	☒ Flush-mount	☐ Monument	☐ Casing only ☐ Locked		☐ Top of PVC Casing	4.441

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri	Water Quality Meter used: YSI		Undertaken By: SI/DS
Depth to water: 2.400 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.5	3	641	20.3	410.579	6.51	5.7	0.51	-50.6	2.4
1	6	546	20.5	353.286	6.29	5.0	0.45	-8.5	2.4
1.5	9	538	20.4	349.773	6.18	4.5	0.41	13.1	2.4

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): OP40868

No sheen, no odour, grey colour, mod sed., clear to cloudy

SAMPLING DETAILS

Time: ~8:15 am	Vol. Removed: L	Sample ID: BORR_MW12
		No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

P (2 x p + 3 x up)

Field Filtered	Duplicate Samples	Duplicate Sample ID:
☒ Metals	☐	

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA		BORE ID: BORR_MW13	
Project: GW/SW Sampling		Job No.: 6137041	
Location: BORR	Casing diameter: 50 mm	Date: 2/1/5	

BORE CONSTRUCTION

Head-works				Measurement Point		Total Depth:	
☒ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	☐ Top of PVC Casing		4.400	m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Pos:	Water Quality Meter used: YSI		Undertaken By: DS/SI
Depth to water: 1.332 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.5	3	1072	20.1	688.951	6.79	28.4	2.52	58.3	1.3
1	6	1008	20.2	651.533	6.75	21.3	1.91	66.3	1.3
1.5	9	996	20.3	645.545	6.73	18.4	1.60	63.3	1.3
2	12	1007	20.3	656.923	6.75	15.2	1.36	54.0	1.3
2.5	15	1009	20.3	660.053	6.73	14.9	1.35	51.3	1.3

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): OP42324

Tried to reset but had red flashing light - logger left in well - lots of cable (also poor phone reception in area). No sheen/odour, clear, ~~moderate~~ low sed

SAMPLING DETAILS

Time: 10 am	Vol. Removed: L	Sample ID: BORR-MW13
		No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

P (2×P + 3×up)

Field Filtered ☑ Metals	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client:		BORE ID: BORE MW15
Project: SW/GW Monitoring		Job No.: 6137061
Location: BORE	Casing diameter: 50 mm	Date: 20.5.20

BORE CONSTRUCTION

Head-works				Measurement Point		Total Depth:
	☒ Flush-mount	☐ Monument	☐ Casing only ☐ Locked		☐ Top of PVC Casing	3.745 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri	Water Quality Meter used: YSI		Undertaken By:
Depth to water: 2.110 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
~~0.5~~	3	~~25.0~~	~~19.5~~	~~16.175~~	~~5.96~~	~~100.8~~	~~9.25~~	~~103.0~~	~~2.1~~
0.5	3	198.8	21.0	129.344	5.99	6.0	0.51	-16.5	2.1
1.0	6	202.1	21.1	131.691	5.95	3.5	0.31	-23.9	2.1
1.5	9	206.6	21.1	134.266	5.93	2.7	0.24	-29.6	2.1
2.0	12	204.5	21.1	132.753	5.90	2.1	0.19	-35.6	2.1

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

OP42350 No sheen, clear, no odour, low sed

SAMPLING DETAILS

Time: 5.00pm	Vol. Removed: L	Sample ID: BORE MW15
		No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

P (2 x p + 3 x up)

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client:			**BORE ID:** BORR MW18
Project:			**Job No.:** 6137041
Location:	**Casing diameter:**	50 mm	**Date:** 2015

BORE CONSTRUCTION

Head-works	☐ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	**Measurement Point** ☐ Top of PVC Casing	**Total Depth:** 3.961 m

BORE DEVELOPMENT

Method:	**Date:**	**Undertaken By:**	**Vol. Removed:** L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method:	**Water Quality Meter used:** YSI		**Undertaken By:**
Depth to water: 2.371 m	**Water Column:** m	**Req Purge Vol.** [1]**:** L	**Flow Rate:** L/min
Presence of LNAPL ☐	**Presence of DNAPL** ☐	**Thickness of NAPL:** cm	**Depth to NAPL:** m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
0.5	2	449.5	21.2	290.150	5.28	26.4	2.28	222.6	2.3
1	4	440.0	21.4	286.150	4.76	15.5	1.34	285.5	2.3
1.5	6	437.7	21.4	284.374	4.67	10.1	0.89	315.4	2.3
2	8	434.0	21.4	282.006	4.71	9.7	0.86	324.4	2.3

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): OP42346

logger in well has too much cable, clear, no odour, no sheen, low to no sediment

SAMPLING DETAILS

		Sample ID:
Time:	**Vol. Removed:** L	**No of Sample Containers:**

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	**Duplicate Samples** ☐	**Duplicate Sample ID:**

Comments:

CoC Number:	**Checked by:**	**Date:**

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client:			**BORE ID:** MW 19
Project: GW & SW Monitoring			**Job No.:** 6137041
Location: BOAR	**Casing diameter:**	50 mm	**Date:** 20.5.20

BORE CONSTRUCTION

Head-works	☒ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	**Measurement Point** ☐ Top of PVC Casing	**Total Depth:** 2.556 m

BORE DEVELOPMENT

Method:	**Date:**	**Undertaken By:**	**Vol. Removed:** L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri	**Water Quality Meter used:** YSI			**Undertaken By:**
Depth to water: 1.614 m	**Water Column:** m	**Req Purge Vol.** [1]**:** L		**Flow Rate:** L/min
Presence of LNAPL ☐	**Presence of DNAPL** ☐	**Thickness of NAPL:** cm		**Depth to NAPL:** m
Pump intake: m				

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.5	3	9375	21.6	6113.587	6.89	57.2	4.76	29.7	1.6
1	6	9071	21.3	5880.72	6.97	47.4	4.08	39.9	1.6
1.5	9	8890	21.3	5776.023	6.99	48.8	4.20	42.9	1.6
2	12	8868	21.4	5769.032	6.99	49.9	4.23	43.0	1.6

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

OP42318, moderate sed, clear brown, no sheen, no odour

SAMPLING DETAILS

Time: 12.45	**Vol. Removed:** L	**Sample ID:** MW 19
		No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

P (2xp & 3xup)

Field Filtered ☑	**Duplicate Samples** ☐	**Duplicate Sample ID:**

Comments:

CoC Number:	**Checked by:**	**Date:**

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client:			**BORE ID:** MW 19B
Project: BORR			**Job No.:** 61370411
Location:	**Casing diameter:**	50 mm	**Date:** 20-5-20

BORE CONSTRUCTION

Head-works	☒ Flush-mount ☐ Monument	☐ Casing only	☐ Locked	**Measurement Point** ☐ Top of PVC Casing	**Total Depth:** ~~9.200~~ m

BORE DEVELOPMENT

Method:	**Date:**	**Undertaken By:**	**Vol. Removed:** L
Comments (e.g. sediment content):			

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method:	**Water Quality Meter used:** YSI		**Undertaken By:**
Depth to water: 1.800 m	**Water Column:** m	**Req Purge Vol.** [1]**:** L	**Flow Rate:** L/min
Presence of LNAPL ☐	**Presence of DNAPL** ☐	**Thickness of NAPL:** cm	**Depth to NAPL:** m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.5	3	2391	20.7	1553.600	5.75	21.0	1.83	+29.1	1.8
1	6	2387	20.9	1551.208	5.74	15.6	1.35	-2.1	1.8
1.5	9	2381	20.8	1547.959	5.74	7.7	0.68	-8.7	1.8
2	12	2375	20.9	1543.157	5.75	6.3	0.56	-10.5	1.8

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

[illegible], clear, no sheen, no odour, no to low sed

OP42338

SAMPLING DETAILS		**Sample ID:** MW 19B
Time: 12.30	**Vol. Removed:** L	**No of Sample Containers:** 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

P 2 x P 3 x UP fd02

Field Filtered ☑	**Duplicate Samples** ☑	**Duplicate Sample ID:** FD02

Comments:

CoC Number:	**Checked by:**	**Date:**

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client:			**BORE ID:** BORA MW 20
Project: GW/SW Monitoring			**Job No.:** 6137041
Location: BORA	**Casing diameter:**	50 mm	**Date:** 20-5-20

BORE CONSTRUCTION

Head-works	☒ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	**Measurement Point**	☐ Top of PVC Casing	**Total Depth:** 14.381 m

BORE DEVELOPMENT

Method:	**Date:**	**Undertaken By:**	**Vol. Removed:** L
Comments (e.g. sediment content):			

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: PCi	**Water Quality Meter used:** YSI		**Undertaken By:** SI / DS
Depth to water: 2.835 m	**Water Column:** m	**Req Purge Vol.** [1]**:** L	**Flow Rate:** L/min
Presence of LNAPL ☐	**Presence of DNAPL** ☐	**Thickness of NAPL:** cm	**Depth to NAPL:** m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.5	3min	4400	19.8	2860.98	5.69	32.4	2.81	92.0	~2.0
1	6min	4415	19.7	2870.543	5.68	9.5	0.86	78.9	~2.0
1.5	9min	4413	19.7	2868.677	5.68	15.6	1.32	76.4	~2.0
2.0	12min	4416	19.7	2870.665	5.68	5.2	0.46	78.1	2.0
2.5	15min	4417	19.7	2871.657	5.68	4.0	0.36	78.0	2.0

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

clear to cloudy, no sheen, no odour, med to low sed

OP 423337 * Too much cord on loggers

SAMPLING DETAILS

Time: 4.30pm	**Vol. Removed:** L	**Sample ID:** BORA MW20
		No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	**Duplicate Samples** ☐	**Duplicate Sample ID:**

Comments:

CoC Number:	**Checked by:**	**Date:**

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA			**BORE ID:** BORR MW22
Project: GW/SW ~~Surface~~ Sampling			**Job No.:** 6137041
Location: BORR	**Casing diameter:**	50 mm	**Date:** 19.5

BORE CONSTRUCTION

Head-works	☑ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	**Measurement Point** ☐ Top of PVC Casing	**Total Depth:** 1.335 m

BORE DEVELOPMENT

Method:	**Date:**	**Undertaken By:**	~~**Vol. Removed:**~~ L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method:	**Water Quality Meter used:**			**Undertaken By:**
Depth to water: m	**Water Column:** m	**Req Purge Vol.** [1]**:** L		**Flow Rate:** L/min
Presence of LNAPL ☐	**Presence of DNAPL** ☐	**Thickness of NAPL:** cm		**Depth to NAPL:** m
Pump intake: m				

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): dry — OP42317

SAMPLING DETAILS

Time:	**Vol. Removed:** L	**Sample ID:**
		No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	**Duplicate Samples** ☐	**Duplicate Sample ID:**

Comments:

CoC Number:	**Checked by:**	**Date:**

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA			**BORE ID:** BORR_MW22b
Project: GW / SW Sampling			**Job No.:** 6137041
Location: BORR	**Casing diameter:** 50 mm		**Date:** 19.5

BORE CONSTRUCTION

Head-works	☒ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	**Measurement Point**	☐ Top of PVC Casing	**Total Depth:** 13.115 m

BORE DEVELOPMENT

Method:	**Date:**	**Undertaken By:**	**Vol. Removed:** L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri pump	**Water Quality Meter used:** YSI			**Undertaken By:** DS/IS
Depth to water: 3.888 m	**Water Column:** m	**Req Purge Vol.** [1]**:** L		**Flow Rate:** L/min
Presence of LNAPL ☐	**Presence of DNAPL** ☐	**Thickness of NAPL:** cm		**Depth to NAPL:** m
Pump intake: m				

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.5	3mins	135.98	20.7	3838.001	5.48	12.0	0.99	-6.1	~3.8
1	6mins	13593	20.9	3836.050	5.50	4.8	0.40	-20.3	~3.8
1.5	9mins	135.54	20.8	3.810530	5.60	2.8	0.24	-44.4	~3.8
2	12mins	13549	20.8	3808.50	5.62	2.6	0.22	-49.5	~3.8

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): OP42336

Clear - light grey, no sheen, no odour, low sediment.

SAMPLING DETAILS — **Sample ID:** BORR_MW22b

Time:	**Vol. Removed:** L	**No of Sample Containers:** 5.

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	**Duplicate Samples** ☐	**Duplicate Sample ID:**

Comments:

CoC Number:	**Checked by:**	**Date:**

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA			BORE ID: BORR_MW24
Project: GW/SW Program			Job No.: 6137041
Location: BORR	Casing diameter: 50 mm		Date: 2015120

BORE CONSTRUCTION

Head-works: ☒ Flush-mount ☐ Monument ☐ Casing only ☐ Locked	Measurement Point: ☐ Top of PVC Casing	Total Depth: 9.900 m	

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri	Water Quality Meter used: YSI PRO		Undertaken By:
Depth to water: 8.448 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.5	3min	2233	21.4	1443.032	4.95	37.2	3.17	230.6	~8.448
1	6min	2008	21.0	1302.354	4.73	21.9	1.92	277.8	~8.5
1.5	9min	1956	21.1	1270.364	4.63	19.2	1.70	288.1	~8.5
2	12min	1948	21.2	1254.302	4.61	19.1	1.68	296.7	~8.5

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): OP42329

Clear - cloudy brown, no odour, no sheen, low sediment

SAMPLING DETAILS

Time: 1:40	Vol. Removed: L	Sample ID: BORR_MW24
		No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client:			BORE ID: BORE_MW25
Project:			Job No.: 6137041
Location:	Casing diameter: 50 mm		Date: 2015

BORE CONSTRUCTION

Head-works	☐ Flush-mount ☐ Monument	☐ Casing only ☐ Locked	Measurement Point	☐ Top of PVC Casing	Total Depth: 13.150 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L
Comments (e.g. sediment content):			

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method:	Water Quality Meter used:		Undertaken By:
Depth to water: 8.261 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.5	3	3855	18.9	2504.611	5.57	13.6	1.24	38.2	8.2
1	6	3848	18.9	2500.855	5.54	10.7	0.97	31.6	8.2
1.5	9	3846	18.8	2497.603	5.56	8.8	0.80	28.3	8.2
2	12	3837	18.8	2493.622	5.53	7.2	0.65	26.8	8.2
2.5	15	3833	18.8	2492.022	5.52	5.3	0.68	20.4	8.2

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): OP42335

No sheen, slightly cloudy, no odour, mod sediment

SAMPLING DETAILS

Time: 8:30	Vol. Removed: L	Sample ID:
		No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA			BORE ID: BORR MW29
Project: GW/SW Monitoring			Job No.: 6137041
Location: BORR	Casing diameter:	50 mm	Date: 19.5.20

BORE CONSTRUCTION

Head-works				Measurement Point		Total Depth:	
	☑ Flush-mount	☐ Monument	☐ Casing only ☐ Locked		☐ Top of PVC Casing	8.444	m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri pump	Water Quality Meter used: YSI			Undertaken By:
Depth to water: 6.230 m	Water Column: m	Req Purge Vol. [1]: L		Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm		Depth to NAPL: m
Pump intake: m				

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.5	3min	888	18.5	577.668	5.72	12.3	1.14	-142.9	~6.2
1	6min	888	19.0	572.196	5.67	7.7	0.71	-161.1	~6.2
1.5	9min	862	19.1	560.100	5.62	5.7	0.53	-185.2	~6.2
2	12min	840	19.2	550.040	5.56	4.4	0.40	-333.8	~6.2
2.5	15min	839	19.3	548.060	5.51	3.9	0.36	-290.0	~6.2

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): cloudy brown - clear, sulfur odour, no sheen

OP42341

SAMPLING DETAILS

Time:	Vol. Removed: L	Sample ID: BORR MW29
		No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA			BORE ID: BORR MW31
Project: GW/SW Sampling			Job No.: 6137041
Location: BORR	Casing diameter:	50 mm	Date: 19.5.20

BORE CONSTRUCTION

Head-works	☒ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point	☐ Top of PVC Casing	Total Depth: 5.955 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L
Comments (e.g. sediment content):			

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri Pump	Water Quality Meter used: YSI Pro			Undertaken By:
Depth to water: ~~4.063~~ m	Water Column: m	Req Purge Vol. [1]: L		Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm		Depth to NAPL: m
Pump intake: m				

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
0.5	3min	290.5	19.4	188.600	5.57	9.9	0.90	-96.8	~4.06
1	6min	281.1	19.8	182.702	5.49	3.9	0.35	-101.2	~4
1.5	9min	282.5	19.9	183.679	5.48	2.8	0.25	-115.6	~4
2	12min	283.3	20.0	184.177	5.48	2.5	0.23	-122.9	~4
2.5	15min	286.3	20.1	186.105	5.48	2.1	0.19	-320.0	~4
3	18min	286.2	20.0	186.079	5.48	1.9	0.17	-330.5	~4

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): sulfurous odour, clear, low sediment, no sheen.
OPL233

SAMPLING DETAILS

Time:	Vol. Removed: L	Sample ID: BORR MW31
		No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

OP42326

Groundwater Monitoring – Field Sheet

Client: MRWA			BORE ID: BORR_MW32
Project: GW/SW Sampling			Job No.: 6137041
Location: BORR	Casing diameter:	50 mm	Date: 18.5

BORE CONSTRUCTION

Head-works	☒ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point	☐ Top of PVC Casing	Total Depth: 5.050 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri	Water Quality Meter used: VS1		Undertaken By: PS/IO
Depth to water: 2.543 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
1	4min	435.2	19.8	280.455	5.57	9.3	0.79	-95.9	~2.5
2	8min	378.0	19.8	242.1	5.61	4.3	0.40	-95.3	~2.5
3	12min	352.0	19.8	228.41	5.62	3.8	0.34	-93.6	~2.5
~4	15min	350.0	19.8	220.02	5.62	3.9	0.36	-94.0	~2.5

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): clear, slight sulfur odour
No sheen, low sed, good headworks

SAMPLING DETAILS

Time: 1:50 pm	Vol. Removed: L	Sample ID: BORR MW32	No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☒	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA			BORE ID: BORR MW37
Project: Groundwater Monitoring Program			Job No.: 6137041
Location: BORR	Casing diameter: 50 mm		Date: 18.5

BORE CONSTRUCTION

Head-works: ☒ Flush-mount ☐ Monument ☐ Casing only ☐ Locked	Measurement Point: ☐ Top of PVC Casing	Total Depth: 11.600 m	

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Observations (sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri 5.825	Water Quality Meter used: YSI		Undertaken By: DK/IO
Depth to water: ~~XXXX~~ m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
1	3min	3694	20.1	2399.90	5.17	19.2	1.63	128.5	~
2	7min	3692	20.1	2399.55	5.18	5.3	0.47	130.4	
3	12min	3689	20.1	2397.22	5.18	4.9	0.45	130.6	

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): clear, no odour, no sheen, low sed.

SAMPLING DETAILS

Time:	Vol. Removed: L	Sample ID: BORR MW37
		No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA			BORE ID: MW39
Project: GW/SW Monitoring			Job No.: 6137041
Location: BORR	Casing diameter:	50 mm	Date: 20-5-20

BORE CONSTRUCTION

Head-works	☒ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point	☐ Top of PVC Casing	Total Depth: 13.887 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L
Comments (e.g. sediment content):			

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Pol	Water Quality Meter used: YSI		Undertaken By: SI & DS
Depth to water: 8.662 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.5	3min	3586	19.8	233.330	5.37	14.2	1.32	177.5	~8.4
1	6min	3479	19.8	225.930	5.26	10.9	0.98	190.3	~8.4
1.5	9min	343.9	19.8	223.450	5.25	8.7	0.79	194.8	~8.4
2	12min	340.9	19.8	221.460	5.24	6.2	0.56	198.5	~8.4
2.5	15min	339.0	19.7	220.020	5.24	5.8	0.52	200.8	~8.4

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): 0032071215

clear - slightly cloudy, no odour, no sheen, low sed.

SAMPLING DETAILS

Time: 10.50	Vol. Removed: L	Sample ID: MW39
		No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

P, 2xp 3 3xup

Field Filtered ☑ metals	Duplicate Samples ☐	Duplicate Sample ID:
Comments:		

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA			BORE ID: MW65
Project: GW/SW Monitoring			Job No.: 6137061
Location: BORR	Casing diameter:	50 mm	Date: 20-5-20

BORE CONSTRUCTION

Head-works	☒ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point	☐ Top of PVC Casing ☐ Top of Casing	Total Depth: 5.500 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L
Comments (e.g. sediment content):			

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method:	Water Quality Meter used:		Undertaken By:
Depth to water: 1.886 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

00320711149

SAMPLING DETAILS

		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:
Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):		
Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:
Comments:		

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA			BORE ID: MW46
Project: GW/SW Sampling			Job No.: 6137041
Location: BORR	Casing diameter: 50 mm		Date: 18/5

BORE CONSTRUCTION

Head-works	☒ Flush-mount	☐ Monument	☐ Casing only ☐ Locked	Measurement Point	☐ Top of PVC Casing ☐ Top of Casing	Total Depth: 5.99 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L
Comments (e.g. sediment content):			

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri pump	Water Quality Meter used: YSI		Undertaken By:
Depth to water: 4.571 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
1	4min	440.9	22.0	287.90	5.28	5.4	0.46	97.7	~4.5
2	8min	443.1	22.0	288.011	5.30	3.6	0.32	96.9	~4.5
3	12min	443.1	22.0	288.055	5.30	3.6	0.31	97.1	~4.5

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): clear-light brown, no sheen, no odour, low sediment

SAMPLING DETAILS

Time: ~10am	Vol. Removed: L	Sample ID: MW46
		No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA			BORE ID: MR-MW05
Project: GW/SW			Job No.: 6137041
Location: BORE	Casing diameter: 50 mm		Date: 21/5

BORE CONSTRUCTION

Head-works	☒ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point	☐ Top of PVC Casing	Total Depth: 4.980 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri	Water Quality Meter used: YSI		Undertaken By:
Depth to water: 2.810 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.5	4min	23279	19.4	4988.622	5.59	35.1	2.88	98.0	~2.8
1	8min	2330	19.4	5138.449	5.59	30.4	2.57	99.0	~2.8
1.5	12min	2330	19.3	5141.277	5.60	31.4	2.66	99.2	~2.8

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): QP42332

clear - cloudy ino odour, no sheen, mod sed.

SAMPLING DETAILS		Sample ID:
Time: 9:16am	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA			BORE ID: BH9.2
Project:			Job No.: 6137041
Location:	Casing diameter: 50 mm		Date: 18.5

BORE CONSTRUCTION

Head-works	☒ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point	☐ Top of PVC Casing ☐ Casing	Total Depth: 8.851 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L
Comments (e.g. sediment content):			

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method:	Water Quality Meter used:		Undertaken By:
Depth to water: 3.566m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
1	4min	8124	19.7	5280.71	3.48	9.7	0.84	307.2	~3.6
2	8 min	8123	19.8	5280.12	3.48	6.4	0.55	310.8	~3.6
3	12 min	8126	19.8	5282.37	3.48	5.4	0.47	311.9	~3.6
4	16min	8125	19.8	5280.01	3.48	5.0	0.42	312.5	~3.6

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): clear, no odour, no sheen, low sed.

SAMPLING DETAILS

Time: 3:08pm	Vol. Removed: L	Sample ID: BH9.2
		No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA			BORE ID: BH11.1
Project: GW/SW Monitoring			Job No.: 6137041
Location: BORR	Casing diameter: 50 mm		Date: 2015

BORE CONSTRUCTION

Head-works	☒ Flush-mount ☐ Monument	☐ Casing only ☐ Locked	Measurement Point	☐ Top of PVC Casing	Total Depth: 5.080 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L
Comments (e.g. sediment content):			

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri	Water Quality Meter used: YSI			Undertaken By:
Depth to water: 1.779 m	Water Column: m	Req Purge Vol. [1]: L		Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm		Depth to NAPL: m
Pump intake: m				

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.5	2	2695	20.5	1752.700	6.14	[illegible]	1.11	-24.6	~1.7
1	6	2783	20.7	1811.250	6.07	6.0	0.52	-27.4	~1.7
1.5	8	2817	20.8	1832.900	6.06	4.2	0.37	-29.1	~1.7
2	10	2823	20.8	1835.800	6.06	3.2	0.28	-31.5	~1.7

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

Clear, no sheen, no odour, no sediment

SAMPLING DETAILS		Sample ID: BH11.1
Time: 9.30	Vol. Removed: L	No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

P, 2×P & 3×up

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA			BORE ID: BH32.1
Project: GW/SW Sampling			Job No.: 61370411
Location: BORK	Casing diameter: 50 mm		Date: 21/5/20

BORE CONSTRUCTION

Head-works	☒ Flush-mount ☐ Monument	☐ Casing only ☐ Locked	Measurement Point	☒ Top of PVC Casing	Total Depth: 10.180 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L
Comments (e.g. sediment content):			

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri	Water Quality Meter used: YSI Pro			Undertaken By:
Depth to water: 4.290 m	Water Column: m	Req Purge Vol. [1]: L		Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm		Depth to NAPL: m
Pump intake: m				

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.5	3min	1264	19.7	821.413	5.55	7.3	0.66	77.5	~4.3
1	6min	1265	19.7	822.851	5.54	3.8	0.34	76.2	~4.3
1.5	9min	1265	19.7	821.942	5.54	2.1	0.19	75.5	~4.3
2	12min	1264	19.7	821.594	5.54	2.0	0.18	80.0	~4.3

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): No logger in well.
clear, no odour, no sheen, low sediment

SAMPLING DETAILS

Time: 11:00am	Vol. Removed: L	Sample ID: BH32.1
		No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA		BORE ID: MW04 (BORE)
Project: Groundwater Monitoring Program		Job No.: 6137041
Location:	Casing diameter: 50 mm	Date: 16/06/20

BORE CONSTRUCTION

Head-works	☒ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point ☐ Top of PVC Casing

Total Depth: 13.185 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri	Water Quality Meter used: ~~YSI~~ YSI		Undertaken By:
Depth to water: 4.355 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
0.5	3	6359	18.4	2834.075	6.64	5.6	0.50	-17.1	4.4
1	6	6357	18.5	2830.281	6.64	3.2	0.29	-26.9	4.4
1.5	9	6323	18.5	2805.822	6.65	2.4	0.22	-32.0	4.4
2	12	6247	18.5	2753.771	6.65	2.0	0.18	-37.2	4.4
2.5	15	6176	18.5	2705.230	6.66	1.6	0.15	-41.7	4.4

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

SAMPLING DETAILS

Time:	Vol. Removed: L	Sample ID:
		No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA

Project: Groundwater Monitoring Program | BORE ID: BORE_MW05

Location: | Casing diameter: 50 mm | Job No.: 6137041 | Date: 16.5.20

BORE CONSTRUCTION

Head-works: ☒ Flush-mount ☐ Monument ☐ Casing only ☐ Locked | Measurement Point: ☐ Top of PVC Casing | Total Depth: 7.820 m

BORE DEVELOPMENT

Method: | Date: | Undertaken By: | Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri | Water Quality Meter used: YSI | Undertaken By: DS/SI

Depth to water: 6.782 m | Water Column: m | Req Purge Vol. [1]: L | Flow Rate: L/min

Presence of LNAPL ☐ | Presence of DNAPL ☐ | Thickness of NAPL: cm | Depth to NAPL: m

Pump intake: m

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
0.5	3	1479	20.7	959.863	6.66	7.1	0.61	-70.2	6.9
1	6	1388	20.9	895.507	6.50	3.7	0.32	-77.2	6.9
1.5	9	1280	21.0	818.254	6.46	2.7	0.26	-76.2	6.9
2	12	1209	21.6	782.312	6.65	2.6	0.21	-73.9	6.9

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): clear, no odour, no sheen low sed.

SAMPLING DETAILS

Time: | Vol. Removed: L | Sample ID: BORE_MW05. | No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐ | Duplicate Samples ☐ | Duplicate Sample ID:

Comments:

CoC Number: | Checked by: | Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA		BORE ID: BORR_MW06
Project: Groundwater Monitoring Program		Job No.: 6137041
Location:	Casing diameter: 50 mm	Date: 16.6.20

BORE CONSTRUCTION

Head-works: ☐ Flush-mount ☐ Monument ☐ Casing only ☐ Locked	Measurement Point: ☐ Top of PVC Casing	Total Depth: 7.852 m	

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri	Water Quality Meter used: YSI		Undertaken By: DS+SI
Depth to water: 5.651 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
0.5	3	803	21.1	518.402	7.01	3.6	0.30	-116.4	~5.6
1	6	786	21.2	510.952	6.99	2.0	0.13	-114.9	~5.6
1.5	9	780	21.2	508.372	6.98	1.8	0.16	-115.0	~5.8

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): clear - cloudy grey, no odour, no sheen, low sed

SAMPLING DETAILS

		Sample ID: BORR_MW06
Time:	Vol. Removed: L	No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA		BORE ID: BORE_MW08a
Project: Groundwater Monitoring Program		Job No.: 6137041
Location:	Casing diameter: 50 mm	Date: 16.6.20

BORE CONSTRUCTION

Head-works	☐ Flush-mount ☐ Monument ☐ Casing only ☐ Locked	Measurement Point	☐ Top of PVC Casing	Total Depth: 5.735 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri	Water Quality Meter used: YSI		Undertaken By: DS/SE
Depth to water: 4.288 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
0.5	3	705	20.4	456.838	5.92	2.1	0.18	-46.0	4.4
1	6	692	20.4	446.387	5.90	1.6	0.14	-50.7	4.4
1.5	9	668	20.4	433.896	5.87	1.2	0.11	-57.7	4.4
2	12	656	20.4	426.191	5.85	1.1	0.11	-61.3	4.4

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

No sheen, slightly cloudy, no colour, mild odour, low sed

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:
Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):		
Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:
Comments:		

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA		BORE ID: BORR_MW09
Project: Groundwater Monitoring Program		Job No.: 6137041
Location:	Casing diameter: 50 mm	Date: 16.6.20

BORE CONSTRUCTION

Head-works	☐ Flush-mount ☐ Monument ☐ Casing only ☐ Locked	Measurement Point	☐ Top of PVC Casing	Total Depth: 5.342 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri	Water Quality Meter used: YSI		Undertaken By:
Depth to water: 4.550 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.5	3min	301.6	20.8	195.790	6.10	24.1	2.10	-1.6	~4.5
1	6min	299.6	21.0	194.735	6.01	9.5	0.83	18.3	~4.5
1.5	9min	299.2	21.0	194.403	5.96	6.7	0.59	40.5	~4.5
2	12min	298.9	21.0	194.194	5.96	6.2	0.55	45.1	~4.5

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): cloudy - clear, no sheen, low sed no odour

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA		BORE ID: BORR_MW10
Project: Groundwater Monitoring Program		Job No.: 6137041
Location:	Casing diameter: 50 mm	Date: 16.6

BORE CONSTRUCTION

Head-works	☒ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point: ☐ Top of PVC Casing

Total Depth: 3.935 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri	Water Quality Meter used: YSI		Undertaken By: DJ+SJ
Depth to water: 2.105 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
0.5	3min	715.0	20.1	464.012	5.78	14.9	1.34	21.6	~2.1
1	6min	705.0	20.1	458.922	5.76	12.0	1.09	21.9	~2.1
1.5	9min	696.0	19.9	451.730	5.76	9.7	0.88	23.8	~2.1
2	12min	694.0	19.9	450.920	5.75	9.5	0.86	24.0	~2.1

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): clear, no odour, no sheen low sed

SAMPLING DETAILS		Sample ID: BORR_MW10
Time:	Vol. Removed: L	No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA		BORE ID: BORR_MW11
Project: Groundwater Monitoring Program		Job No.: 6137041
Location:	Casing diameter: 50 mm	Date: 16.6.20

BORE CONSTRUCTION

Head-works	☒ Flush-mount ☐ Monument ☐ Casing only ☐ Locked	Measurement Point ☐ Top of PVC Casing	Total Depth: 3.975 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri	Water Quality Meter used: YSI		Undertaken By:
Depth to water: 1.455 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
0.5		13835	19.8	3986.422	7.26	60.6	5.60	60.5	1.5
1		3765	19.8	3992.613	7.32	41.7	3.60	59.5	1.5
1.5		13750	19.6	3987.222	7.33	40.0	3.49	60.0	1.5

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

cloudy brown, no odour, no sheen, low sed

SAMPLING DETAILS		Sample ID: BORR_MW11
Time:	Vol. Removed: L	No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA		BORE ID: BORA_MW12
Project: Groundwater Monitoring Program		Job No.: 6137041
Location:	Casing diameter: 50 mm	Date: 18/6

BORE CONSTRUCTION

Head-works				Measurement Point		Total Depth:
	☒ Flush-mount	☐ Monument	☐ Casing only ☐ Locked		☐ Top of PVC Casing	4.405 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri	Water Quality Meter used: YSI		Undertaken By:
Depth to water: 2.251 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.5	3	1630	20.1	1042.879	7.30	20.4	1.79	-120.5	~2.2
1	6	1383	20.2	890.416	7.02	11.7	0.98	-104.0	~2.2
1.5	9	1140	20.2	720.840	6.83	6.9	0.61	-90.7	~2.2
2	12	952	20.2	612.029	6.74	5.7	0.51	-83.0	~2.2
2.5	15	950	20.2	603.521	6.72	5.5	0.49	-69.9	~2.2

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): clear, no odour, no sheen, low sed

SAMPLING DETAILS

Time:	Vol. Removed: L	Sample ID:
		No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA		BORE ID: BORR_MW13
Project: Groundwater Monitoring Program		Job No.: 6137041
Location:	Casing diameter: 50 mm	Date: 15.6.20

BORE CONSTRUCTION

Head-works	☒ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point ☐ Top of PVC Casing	Total Depth: 2.325 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri	Water Quality Meter used: YSI Pro		Undertaken By:
Depth to water: 0.851 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
0.5	3min	916	19.1	596.096	6.70	30.0	2.67	81.9	~0.85
1	6min	947	19.2	616.499	6.55	10.7	0.96	97.0	~0.85
1.5	9min	947	19.1	616.790	6.55	9.9	0.95	99.1	~0.85

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): clear, no odour, no sheen, low-mod sediment

SAMPLING DETAILS

		Sample ID: BORR_MW13
Time:	Vol. Removed: L	No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA		BORE ID: BORR – MW15
Project: Groundwater Monitoring Program		Job No.: 6137041
Location:	Casing diameter: 50 mm	Date: 15.6.20

BORE CONSTRUCTION

Head-works: ☐ Flush-mount ☐ Monument ☐ Casing only ☐ Locked	Measurement Point: ☐ Top of PVC Casing	Total Depth: 3.745 m	

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method:	Water Quality Meter used:		Undertaken By:
Depth to water: 1.921 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
0.5	3 min	227.8	19.9	147.011	5.95	13.9	1.22	84.6	~1.9
1	6min	222.6	19.9	144.694	5.8	4.3	0.39	114.7	~1.9
1.5	9min	222.8	19.8	144.761	5.69	3.8	0.34	120.2	~1.9
2	12min	222.3	19.8	145.065	5.67	3.5	0.30	121.3	~1.9

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): clear, no odour, no sheen, low sed.

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA		BORE ID: BORR MW18
Project: Groundwater Monitoring Program		Job No.: 6137041
Location:	Casing diameter: 50 mm	Date: 15.6.20

BORE CONSTRUCTION

Head-works	☐ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point ☐ Top of PVC Casing	Total Depth: 3.980 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri	Water Quality Meter used: YSI		Undertaken By: DS/BS.
Depth to water: 2.145 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
0.5	3min	4154	20.2	269.99	4.71	39.6	3.58	294.9	
1	6min	4136	20.2	268.033	4.66	39.8	3.60	306.7	
1.5	9min								

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): clear, no odour, no sheen, low sed.

SAMPLING DETAILS		Sample ID: BORR MW18
Time:	Vol. Removed: L	No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA		BORE ID: BORE MW19
Project: Groundwater Monitoring Program		Job No.: 6137041
Location:	Casing diameter: 50 mm	Date: 15.6

BORE CONSTRUCTION

Head-works	☐ Flush-mount ☐ Monument ☐ Casing only ☐ Locked	Measurement Point	☐ Top of PVC Casing	Total Depth: m @ 2.508

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri	Water Quality Meter used: YSI Pro		Undertaken By:
Depth to water: 1.612 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
←			DRY						→

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): large amount of mud at the base of well - water did not recharge after purging w peri-pump. Came back ~15 mins later still dry - unable to collect sample

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA		BORE ID: BORR_MW196
Project: Groundwater Monitoring Program		Job No.: 6137041
Location:	Casing diameter: 50 mm	Date: 15.6

BORE CONSTRUCTION

Head-works	☒ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point ☐ Top of PVC Casing	Total Depth: 12.131 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri-pump	Water Quality Meter used: YSI Pro		Undertaken By: OS/BS
Depth to water: 1.605 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
0.5	3min	2530	20.4	1644.6	5.65	4.5	0.39	-37.2	~1.6
1	6min	2527	20.5	1642.0	5.66	2.8	0.24	-46.0	~1.6
1.5	9min	2522	20.5	1638.7	5.66	2.3	0.20	-50.6	~1.6

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): clear, no odour, no sheen, low sed.

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers: 5
Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved): FD01 / FS01		
Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:
Comments:		

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA		BORE ID: BORR_MW20
Project: Groundwater Monitoring Program		Job No.: 6137041
Location:	Casing diameter: 50 mm	Date: 15.6.20

BORE CONSTRUCTION

Head-works	☒ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point	☐ Top of PVC Casing	Total Depth: 14.020 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri	Water Quality Meter used: YSI		Undertaken By:
Depth to water: 1.732 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
0.5	3min	6377	19.9	4147.016	~~5.48~~ 5.48	~~9.7~~ 9.70	0.80	124.8	~1.732
1	6min	6409	19.7	4161.098	5.48	4.9	0.44	128.5	~1.7
1.5	9min	6374	19.7	4141.809	5.49	3.5	0.31	128.9	~1.7
2	12min	6319	19.7	4104.077	5.49	2.7	0.24	128.8	~1.7
2.5	15min	6294	19.7	4060.033	5.50	2.7	0.24	127.9	~1.7

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): grey mud at bottom of bore.
Water is clear, no odour, no sheen, low sed.
Bush fallen over almost on top of sampling location (snake hazard in summer?)

SAMPLING DETAILS

Time:	Vol. Removed: L	Sample ID: BORR_MW20. No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA		BORE ID: BORR_MW21
Project: Groundwater Monitoring Program		Job No.: 6137041
Location:	Casing diameter: 50 mm	Date: 17/6

BORE CONSTRUCTION

Head-works: ☐ Flush-mount ☐ Monument ☐ Casing only ☐ Locked	Measurement Point: ☐ Top of PVC Casing	Total Depth: 10.250 m	

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri	Water Quality Meter used: YSI		Undertaken By:
Depth to water: 2.000 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
0.5	3	1621	19.3	1062.311	6.40	50.7	4.56	~~193.4~~ 66.9	~2.0
1	6	2175	19.9	1289.88	6.19	44.4	4.02	74.6	~2.0
1.5	9	2179	19.9	1296.94	6.20	44.0	4.00	74.9	~2.0

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): clear - cloudy, no odour, no sheen, low sed

SAMPLING DETAILS		Sample ID: BORR_MW21
Time:	Vol. Removed: L	No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments: OP423220 – tried to re-set logger x 3 (failed x3 red flash)

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA		**BORE ID:** BORA. MW 22
Project: Groundwater Monitoring Program		**Job No.:** 6137041
Location:	**Casing diameter:** 50 mm	**Date:**

BORE CONSTRUCTION

Head-works	☒ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	**Measurement Point** ☐ Top of PVC Casing	**Total Depth:** 1.349 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Pes.	**Water Quality Meter used:** YSI		**Undertaken By:** DS/SI
Depth to water: 0.405 m	**Water Column:** m	**Req Purge Vol.** [1]**:** L	**Flow Rate:** L/min
Presence of LNAPL ☐	**Presence of DNAPL** ☐	**Thickness of NAPL:** cm	**Depth to NAPL:** m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
0.5	3	578	16.8	375.250	6.96	58.6	5.60	76.6	~ 0.5
1	6	575	16.8	373.111	6.73	57.3	5.53	80.7	~ 0.5
1.5	9	575	16.8	378.223	6.63	56.7	5.69	88.0	~ 0.5

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

SAMPLING DETAILS

		Sample ID: BORA. MW22
Time:	**Vol. Removed:** L	**No of Sample Containers:** 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	**Duplicate Samples** ☐	**Duplicate Sample ID:**

Comments:

CoC Number:	**Checked by:**	**Date:**

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA		**BORE ID:** BORR_MW22b
Project: Groundwater Monitoring Program		**Job No.:** 6137041
Location:	**Casing diameter:** 50 mm	**Date:** 18/6/20

BORE CONSTRUCTION

Head-works	☒ Flush-mount ☐ Monument ☐ Casing only ☐ Locked	**Measurement Point**	☐ Top of PVC Casing	**Total Depth:** 13.162 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L
Comments (e.g. sediment content):			

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Pump	**Water Quality Meter used:** YSI		**Undertaken By:**
Depth to water: 3.750m	**Water Column:** m	**Req Purge Vol.** [1]**:** L	**Flow Rate:** L/min
Presence of LNAPL ☐	**Presence of DNAPL** ☐	**Thickness of NAPL:** cm	**Depth to NAPL:** m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
0.5	3	2187	17.4	1406.291	6.71	95.1	7.54	53.5	~3.7
1	6	1895	19.9	1215.384	6.46	50.2	4.48	79.1	~3.7
1.5	9	1733	20.0	1118.542	6.30	44.5	4.10	93.3	~3.7
2	12	1730	20.0	1113.824	6.28	43.9	3.98	99.8	~3.7

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): clear - cloudy, no odour - no sheen, low rec

SAMPLING DETAILS

		Sample ID:
Time:	**Vol. Removed:** L	**No of Sample Containers:**
Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):		
Field Filtered ☐	**Duplicate Samples** ☐	**Duplicate Sample ID:**
Comments:		
CoC Number:	**Checked by:**	**Date:**

Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.
Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA		BORE ID: BORR_MW24
Project: Groundwater Monitoring Program		Job No.: 6137041
Location:	Casing diameter: 50 mm	Date: 17/6

BORE CONSTRUCTION

Head-works	☐ Flush-mount ☐ Monument ☐ Casing only ☐ Locked	Measurement Point	☐ Top of PVC Casing	Total Depth: 9.88 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri	Water Quality Meter used: YSI		Undertaken By:
Depth to water: 8.22 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
0.5	3min	2383	19.8	1503.21	4.60	34.4	3.00	266.1	~8.22
1	6min	2159	20.2	1394.32	4.51	19.2	1.73	285.4	~8.2
1.5	9	2153	20.2	1389.214	4.50	19.0	1.70	289.3	~8.2

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): Clear - cloudy brown, no odour, no sheen, low - mod. sediment

SAMPLING DETAILS		Sample ID: BORR_MW24
Time:	Vol. Removed: L	No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA		BORE ID: BORR_MW25
Project: Groundwater Monitoring Program		Job No.: 6137041
Location:	Casing diameter: 50 mm	Date: 17/6

BORE CONSTRUCTION

Head-works	☒ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point ☐ Top of PVC Casing	Total Depth: 13.163 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri	Water Quality Meter used: YSI		Undertaken By: DS/SI
Depth to water: 8.121 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
0.5	3min	4011	18.0	2610.789	5.45	21.4	1.89	104.2	~8.121
1	6min	4046	18.3	2630.814	5.46	12.1	1.08	98.3	~8.1
1.5	9min	4068	18.3	2645.420	5.46	8.2	0.74	90.3	~8.1
2	12min	4078	18.3	2650.047	5.46	6.5	0.60	87.3	~8.1
2.5	15min	4080	18.3	2652.033	5.46	6.3	0.59	85.8	~8.1

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): clear-slightly cloudy white, no odour, no sheen, low sed.

SAMPLING DETAILS		Sample ID: BORR_MW25
Time:	Vol. Removed: L	No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA		BORE ID: Bore_mw29
Project: Groundwater Monitoring Program		Job No.: 6137041
Location:	Casing diameter: 50 mm	Date: 17/6

BORE CONSTRUCTION

Head-works	☒ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point: ☐ Top of PVC Casing

Total Depth: 8.435 m

BORE DEVELOPMENT

Method: | Date: | Undertaken By: | Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Pez	Water Quality Meter used: YSI		Undertaken By:
Depth to water: 6.165 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
0.5	3	925	18.8	606.204	5.60	10.7	0.94	-66.1	~6.3
1	6	962	19.3	625.100	5.61	6.2	0.54	-80.4	~6.3
1.5	9	960	19.3	624.128	5.61	4.2	0.38	-88.0	~6.3
2	12	957	19.3	621.802	5.61	3.2	0.29	-94.8	~6.3
2.5	15	956	19.3	620.237	5.61	2.9	0.27	-100.0	~6.3

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

Cloudy brown, Mod Sed, No odour, No sheen

SAMPLING DETAILS

Sample ID: Bore_mw29

Time:	Vol. Removed: L	No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA		BORE ID: BOAR-MW31
Project: Groundwater Monitoring Program		Job No.: 6137041
Location:	Casing diameter: 50 mm	Date: 17/6

BORE CONSTRUCTION

Head-works	☒ Flush-mount ☐ Monument ☐ Casing only ☐ Locked	Measurement Point	☐ Top of PVC Casing	Total Depth: 6.02 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri	Water Quality Meter used: YSI		Undertaken By:
Depth to water: 3.92 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.5	3	312.0	19.7	202.558	5.33	10.6	0.95	-2.7	~3.9
1	6	312.8	19.9	202.711	5.31	6.7	0.59	-4.3	~3.9
1.5	9	311.8	19.9	202.229	5.30	5.2	0.44	-5.9	~3.9
2	12	311.7	19.9	202.682	5.30	4.8	0.41	-6.1	~3.9

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): Clear, sulfur odour, no sheen, low sediment.

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA		BORE ID: BORR-MW32
Project: Groundwater Monitoring Program		Job No.: 6137041
Location:	Casing diameter: 50 mm	Date: 17/6

BORE CONSTRUCTION

Head-works	☐ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point ☐ Top of PVC Casing

Total Depth: 5.04 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri	Water Quality Meter used: YSI		Undertaken By:
Depth to water: 2.391 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
0.5	3min	480.6	17.9	303.272	5.95	28.1	2.14	24.8	~2.39
1	6	401.4	18.5	247.560	5.81	13.5	1.15	23.3	~2.39
1.5	9	358.2	18.5	230.029	5.79	8.3	0.75	22.0	~2.39
2	12	340.0	18.5	219.667	5.77	6.6	0.61	20.9	~2.39
2.5	15	341.0	18.5	218.998	5.76	6.5	0.60	20.1	~2.39

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): Clear, no odour, no sheen, low sed

SAMPLING DETAILS

		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA		BORE ID: BORR_MW37
Project: Groundwater Monitoring Program		Job No.: 6137041
Location:	Casing diameter: 50 mm	Date: 17/6

BORE CONSTRUCTION

Head-works	☒ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point: ☐ Top of PVC Casing

Total Depth: 11.601 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri	Water Quality Meter used: YSI		Undertaken By: DS/JJ
Depth to water: 5.610 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
0.5	3	3870	16.6	2522.177	5.06	30.9	2.62	153.8	~5.6
1	6	3931	19.0	2556.611	5.05	12.4	1.08	153.7	~5.6
1.5	9	3944	19.9	2563.711	5.06	8.0	0.68	153.1	~5.6
2	12	3944	19.9	2563.114	5.07	6.0	0.54	152.3	~5.6
2.5	15	3943	19.9	2563.778	5.08	5.9	0.53	151.9	~5.6

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): Clear - cloudy white, no odour, no sheen, low sed.

SAMPLING DETAILS		Sample ID: BORR_MW37
Time:	Vol. Removed: L	No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA		BORE ID: BORR_MW39
Project: Groundwater Monitoring Program		Job No.: 6137041
Location:	Casing diameter: 50 mm	Date: 17/6

BORE CONSTRUCTION

Head-works				Measurement Point		Total Depth: m
	☑ Flush-mount	☐ Monument	☐ Casing only ☐ Locked		☐ Top of PVC Casing	13.861

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed:
Comments (e.g. sediment content):			

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri	Water Quality Meter used: YSI		Undertaken By:
Depth to water: 8.230 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
0.5	3	391.0	19.1	254.071	5.68	20.6	1.85	134.2	11
1	6	395.2	19.2	257.564	5.53	14.0	1.24	160.0	11
1.5	9	403.6	19.2	263.620	5.60	8.5	0.77	175.1	11
2.0	12	422.0	19.1	274.860	5.29	3.3	0.30	188.7	11
2.5	15	426.9	19.0	277.762	5.24	2.7	0.25	192.9	11

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): clear, no odour, no sheen low-mod sed.

SAMPLING DETAILS		Sample ID: BORR_MW39
Time:	Vol. Removed: L	No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved): FD02

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA		BORE ID: MW46
Project: Groundwater Monitoring Program		Job No.: 6137041
Location:	Casing diameter: 50 mm	Date: 16/06/20

BORE CONSTRUCTION

Head-works	☒ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point	☐ Top of PVC Casing	Total Depth: 6.60 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed:
Comments (e.g. sediment content):			

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri.	Water Quality Meter used: YSI		Undertaken By: SI/DS
Depth to water: 4.42 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
0.5	3min	666	20.8	417.207	5.60	13.3	1.11	56.5	4.5
1	6min	594	21.2	382.921	5.38	7.1	0.68	84.5	~4.5
1.5	9min	566	21.2	366.604	5.29	6.5	0.57	98.2	~4.5
	12min	560	21.2	365.002	5.21	6.3	0.56	100.0	~4.5

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): cloudy - brown, no odour, no sheen, mod-low rec

Ants!

SAMPLING DETAILS

		Sample ID: MW46
Time:	Vol. Removed: L	No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA		BORE ID: MR_MW05
Project: Groundwater Monitoring Program		Job No.: 6137041
Location:	Casing diameter: 50 mm	Date: 16.6.20

BORE CONSTRUCTION

Head-works	☑ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point ☐ Top of PVC Casing	Total Depth: 4.960 m

BORE DEVELOPMENT

Method	Date	Undertaken By	GW Removed

Comments (e.g. sediment content)

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: 2.980	Water Quality Meter used:		Undertaken By:
Depth to water: m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.5	3min	24230	19.3	5771.561	5.33	31.2	2.53	143.2	~2.8
1	6 min	24551	19.5	5969.321	5.32	16.6	1.39	157.7	~2.8
1.5	9min	24665	19.6	6032.790	5.39	16.6	1.39	157.7	~2.8
2	12min	24669	19.7	6035.211	5.40	17.0	1.41	159.8	~2.8

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): clear, no odour, no sheen low sed.

SAMPLING DETAILS		Sample ID: MR_MW05
Time:	Vol. Removed: L	No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA		BORE ID: BH9.2
Project: Groundwater Monitoring Program		Job No.: 6137041
Location:	Casing diameter: 50 mm	Date: 17/9

BORE CONSTRUCTION

Head-works	☒ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point ☐ Top of PVC Casing	Total Depth: m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri	Water Quality Meter used: YSI		Undertaken By: DS/SI
Depth to water: 2.931 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
0.5	3	8539	19.4	5563.927	3.38	22.3	1.91	302.8	~2.9
1	6	8615	19.7	5601.780	3.38	5.6	0.48	307.2	~2.9
1.5	9	8619	19.7	5604.199	3.38	4.5	0.39	308.6	~2.9
2	12	8625	19.7	5607.321	3.38	3.7	0.32	308.0	~2.9
2.5	15	8625	19.7	3606.311	3.38	3.5	0.30	308.4	~2.9

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): clear, no odour, no sheen, low yield.

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA		BORE ID: BH 11.1
Project: Groundwater Monitoring Program		Job No.: 6137041
Location:	Casing diameter: 50 mm	Date:

BORE CONSTRUCTION

Head-works	☐ Flush-mount ☐ Monument ☐ Casing only ☐ Locked	Measurement Point ☐ Top of PVC Casing	Total Depth: 5.07 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method:	Water Quality Meter used:		Undertaken By:
Depth to water: 1.5 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
0.5	3	3246	20.0	2111.642	6.06	8.3	0.68	-23.5	~1.5
1	6	3255	20.1	2116.402	6.05	5.8	0.51	-23.1	~1.5
1.5	9	3258	20.1	2117.843	6.04	5.1	0.45	-23.0	~1.5
2									

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): clear, no odour, no sheen
low sed

SAMPLING DETAILS

Time:	Vol. Removed: L	Sample ID: BH 11.1
		No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA		BORE ID: BH32.1
Project: Groundwater Monitoring Program		Job No.: 6137041
Location:	Casing diameter: 50 mm	Date: 15.6.20

BORE CONSTRUCTION

Head-works	☒ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point: ☐ Top of PVC Casing; Total Depth: 10.161 m

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: ~~Bail~~ Peri	Water Quality Meter used: YSI Pro		Undertaken By: DS/BS
Depth to water: 4.201 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
0.5	3min	1335	19.6	867.791	5.42	5.5	0.47	90.1	~4.2
1	6min	1337	19.6	869.371	5.43	2.9	0.25	82.6	~4.2
1.5	9min	1340	19.6	870.722	5.43	2.4	0.21	78.4	~4.2

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load): clear, no sheen, no odour, low - no sediment

SAMPLING DETAILS

		Sample ID: BH32.1
Time:	Vol. Removed: L	No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA		BORE ID: BORE MW04
Project: Groundwater Monitoring Program		Job No.: 6137041
Location: SOUTH	Casing diameter: 50 mm	Date: 27 · 7 · 20

BORE CONSTRUCTION

Head-works	☑ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point: ☑ Top of PVC Casing

Total Depth: 13.23 m

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method:	Water Quality Meter used:		Undertaken By:
Depth to water: 4.133 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: 0.2 L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
0.1	1	3777	19.1	2458	6.52	16.6	1.41	-11.3	~4.2
0.5	3	3819	19.0	2483	6.51	5.4	0.49	-28.9	~4.2
0.9	5	3823	19.0	2488	6.51	4.0	0.36	-27.7	~4.2
1.3	7	3829	18.9	2489	6.51	3.1	0.29	-31.5	~4.2
1.7	9	3826	18.9	2486	6.52	2.7	0.25	-34	~4.2

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

good – no sheen, light brown, no odour, low sed's

SAMPLING DETAILS

Time:	Vol. Removed: L	Sample ID: BORE MW04
		No of Sample Containers: 10

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA		BORE ID: BORR MW05
Project: Groundwater Monitoring Program		Job No.: 6137041
Location: SOUTH	Casing diameter: 50 mm	Date: 23-7-20

BORE CONSTRUCTION

Head-works	☑ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point: ☑ Top of PVC Casing	Total Depth: 8.01 m

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri Pump	Water Quality Meter used: YSi		Undertaken By: LO/TC
Depth to water: 5.854 m	Water Column: 2.2 m	Req Purge Vol. [1]: L	Flow Rate: 0.2 L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
0.1	1	400.8	20.0	260	6.67	13.6	1.21	-30.8	-5.9
0.5	3	463.3	20.4	302	6.45	9.7	0.87	-35.1	-5.9
0.9	5	491.5	20.5	319	6.42	8.6	0.77	-44	-5.9
1.3	7	493.6	20.6	321	6.43	7.9	0.7	-48.8	-5.9

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

good - no sheen/odour, light brown, low seds.

SAMPLING DETAILS		Sample ID: BORR MW05
Time:	Vol. Removed: L	No of Sample Containers: 5
Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):		
Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:
Comments:		
CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA			BORE ID: BORR MW06
Project: Groundwater Monitoring Program			Job No.: 6137041
Location: SOUTH	Casing diameter: 50 mm		Date: 27-7-20

BORE CONSTRUCTION

Head-works	☑ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point ☑ Top of PVC Casing	Total Depth: 7.86 m

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri Pump	Water Quality Meter used: YSI		Undertaken By: IO / TC
Depth to water: 5.469m	Water Column: ~2.00 m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
0.1	1	978	20.1	634	7.07	4.8	0.43	-135.3	~5.50
0.5	3	904	20.4	584	7.03	3.0	0.26	-142.7	~5.50
0.9	5	790	20.5	513	6.86	2.5	0.22	-132.6	~5.50
1.3	7	758	20.5	501	6.79	2.4	0.22	-126.8	~5.50

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

good – no sheen | odour, dark brown, mod seds.

SAMPLING DETAILS		Sample ID: BORR MW06
Time:	Vol. Removed: L	No of Sample Containers: 8

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA			BORE ID: BORR MW08
Project: Groundwater Monitoring Program			Job No.: 6137041
Location: SOUTH	Casing diameter: 50 mm		Date: 23.7.20

BORE CONSTRUCTION

Head-works	☑ Flush-mount ☐ Monument ☐ Casing only ☐ Locked	Measurement Point	☑ Top of PVC Casing
Total Depth:	5.72 m		

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri Pump	Water Quality Meter used: 451		Undertaken By: IO/TC
Depth to water: 2.409 m	Water Column: ~3.25 m	Req Purge Vol. [1]: L	Flow Rate: 0.2 L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.1	1	837	19.2	545	5.95	20.4	1.78	-55.6	~2.5
0.5	3	814	19.3	529	5.9	4.6 4.2	0.42	-64.3	~2.5
0.9	5	796	19.2	516	5.86	[illegible]	0.39	-69	~2.5
1.3	7	788	19.2	512	5.85	3.8	0.34	-74.6	~2.5
1.7	9	783	19.3	509	5.83	3.1	0.28	-80.1	~2.5
2.1	11	782	19.2	506	5.8	2.8	0.26	-88.6	~2.5

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

good - no sheen, light brown, slight sulphur smell, low solids

SAMPLING DETAILS

Time:	Vol. Removed: L	Sample ID: BORR MW08
		No of Sample Containers: 8

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA			BORE ID: BORR MW09
Project: Groundwater Monitoring Program			Job No.: 6137041
Location: SOUTH	Casing diameter: 50 mm		Date: 27 · 7 · 20

BORE CONSTRUCTION

Head-works	☑ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point	☑ Top of PVC Casing	Total Depth: 5.30 m

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri Pump	Water Quality Meter used: YSI		Undertaken By: IO + TC
Depth to water: 4.044 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.1	1	757	20.3	490	5.81	24.9	2.25	127.7	~4.10
0.5	3	767	20.3	452	5.64	29.2	2.64	155.9	~4.10
0.9	5	690	20.3	448	5.62	30.2	2.73	163.8	~4.10
1.3	7	678	20.3	441	5.62	31.1	2.81	169.7	~4.10

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

good - no sheen/odour, colourless.

SAMPLING DETAILS		Sample ID: BORR MW09
Time:	Vol. Removed: L	No of Sample Containers: 8

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☑	Duplicate Sample ID: WFD05

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA		BORE ID: BORR MW10
Project: Groundwater Monitoring Program		Job No.: 6137041
Location: SOUTH	Casing diameter: 50 mm	Date: 23.7.20

BORE CONSTRUCTION

Head-works	☑ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point: ☑ Top of PVC Casing; Total Depth: 3.93 m

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri Pump	Water Quality Meter used: YSI		Undertaken By: ID/TC
Depth to water: 1.481 m	Water Column: ~ 2.50 m	Req Purge Vol. [1]: L	Flow Rate: 0.2 L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
0.1	1	734	18.1	476	5.88	8.0	0.74	1.8	~1.55
0.5	3	671	18.0	435	5.79	4.3	0.40	7.5	~1.55
0.9	5	631	18.1	409	5.77	3.8	0.37	14.7	~1.55
1.3	7	590	18.1	382	5.76	4.1	0.39	20.3	~1.55

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

good - no odour/sheen, light brown, low seds.

SAMPLING DETAILS		Sample ID: BORR MW10
Time:	Vol. Removed: L	No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA		BORE ID: BORR MW11
Project: Groundwater Monitoring Program		Job No.: 6137041
Location: SOUTH	Casing diameter: 50 mm	Date: 27 · 7 · 20

BORE CONSTRUCTION

Head-works	☑ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point	☑ Top of PVC Casing	Total Depth: 3.96 m

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri Pump	Water Quality Meter used: 451		Undertaken By: IO + TC
Depth to water: 0.954 m	Water Column: ~ 3.0 m	Req Purge Vol. [1]: L	Flow Rate: 0.2 L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
0.1	1	2221	18.6	1436	6.77	36.4	3.34	55.8	~1.2
0.5	3	2050	18.4	1329	6.71	33.1	3.09	69.6	~1.3
0.9	5	1806	18.1	1163	6.69	33.6	3.16	75.6	~1.3
1.3	7	1439	17.7	939	6.67	36.1	3.42	62.0	~1.5
1.7	9	1438	17.6	965	6.69	36.4	3.46	42.3	~1.7

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

good - no sheen / odour, Brown, med seds

SAMPLING DETAILS		Sample ID: BORR MW11
Time:	Vol. Removed: L	No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA		BORE ID: BORE MW12
Project: Groundwater Monitoring Program		Job No.: 6137041
Location: SOUTH	Casing diameter: 50 mm	Date: 23·7·20

BORE CONSTRUCTION

Head-works	☑ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point ☑ Top of PVC Casing	Total Depth: 4.41 m

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri Pump	Water Quality Meter used: YSI		Undertaken By: LO + TC
Depth to water: 1.500 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.1	1	705	18.2	456	6.26	19.0	1.79	40.5	~1.60
0.5	3	633	18.2	410	6.19	20.2	1.90	51.7	~1.60
0.9	5	623	18.3	405	6.15	19.4	1.82	53.3	~1.60
1.3	7	600	18.3	390	6.14	19.3	1.80	53.0	~1.60

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

good - no sheen/odour, colourless, very low seds.

SAMPLING DETAILS		Sample ID: BORE MW12
Time:	Vol. Removed: L	No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

GHD

Groundwater Monitoring – Field Sheet

Client: MRWA		BORE ID: BORR MW13
Project: Groundwater Monitoring Program		Job No.: 6137041
Location: CENTRAL	Casing diameter: 50 mm	Date: 20-7-20

BORE CONSTRUCTION

Head-works	☑ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point	☑ Top of PVC Casing	Total Depth: 4.39 m

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri Pump	Water Quality Meter used: YSI		Undertaken By: IO/TC
Depth to water: 0.221 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
0.2	1	720	18.6	468	6.42	11.8	1.05	119.5	~0.35
0.6	3	719	18.6	469	6.41	10.9	0.99	113.8	~0.40
1.0	5	724	18.6	471	6.40	10.7	1.02	106.9	~0.45

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

good – no sheen/odour, light Brown, low seds.

SAMPLING DETAILS

Time:	Vol. Removed: L	Sample ID: BORR MW13
		No of Sample Containers: 8

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA			BORE ID: BORE MW15
Project: Groundwater Monitoring Program			Job No.: 6137041
Location: CENTRAL	Casing diameter: 50 mm		Date: 20.7.20

BORE CONSTRUCTION

Head-works	☑ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point: ☑ Top of PVC Casing; Total Depth: 3.74 m

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri Pump	Water Quality Meter used: YSI		Undertaken By: IO/TC
Depth to water: 1.201 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.2	1	180.5	17.7	117	5.59	22.1	2.00	165.7	~1.25
0.6	3	179.9	17.9	117	5.48	12.4	1.16	168.8	~1.25
1.0	5	181.5	17.9	118	5.48	9.7	0.92	101.7	~1.25
1.4	7	182.6	17.8	119	5.48	9.2	0.88	60.2	~1.25

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

good - no sheen/odour, light brown, low sedt.

SAMPLING DETAILS

Time:	Vol. Removed: L	Sample ID: BORE MW15
		No of Sample Containers: 8

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA			BORE ID: BORR MW17
Project: Groundwater Monitoring Program			Job No.: 6137041
Location: CENTRAL	Casing diameter: 50 mm		Date: 20.7.20

BORE CONSTRUCTION

Head-works	☑ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point: ☑ Top of PVC Casing

Total Depth: 5.38 m

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri Pump	Water Quality Meter used: YSI		Undertaken By: IO/TC
Depth to water: 3.324 m	Water Column: ~ 2.00 m	Req Purge Vol. [1]: L	Flow Rate: 0.2 L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: ~ 4.50 m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.2	1	181.8	18.9	118	6.12	60.3	5.47	166.7	~ 3.40
0.6	3	182.7	19.1	119	6.07	41.8	3.86	165.4	~ 3.40
1.0	5	178.9	19.1	116	6.07	38.9	3.53	160.4	~ 3.40
1.4	7	178.4	19.1	116	6.09	37.2	3.40	149.9	~ 3.40

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

good - no sheen | odour, colourless, no seds.

SAMPLING DETAILS

		Sample ID: BORR MW17
Time:	Vol. Removed: L	No of Sample Containers: 8

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA		BORE ID: BORR MW18
Project: Groundwater Monitoring Program		Job No.: 6137041
Location: CENTRAL	Casing diameter: 50 mm	Date: 20.7.20

BORE CONSTRUCTION

Head-works	☑ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point: ☑ Top of PVC Casing; Total Depth: 3.97 m

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Rei Pump	Water Quality Meter used: VS1		Undertaken By: IO/TC
Depth to water: 1.404 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
0.2	1	334	18.1	217	5.07	66.0	6.20	242.3	~1.45
0.6	3	325	18.0	211	4.67	63.6	6.01	271.3	~1.45
1.0	5	315	18.0	205	4.66	64.8	6.12	278.9	~1.45

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

good - no sheen/odour, colourless, no seds.

SAMPLING DETAILS		Sample ID: BORR MW18
Time:	Vol. Removed: L	No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA		BORE ID: BORR MW19
Project: Groundwater Monitoring Program		Job No.: 6137041
Location: ~~[illegible]~~ NORTH	Casing diameter: 50 mm	Date: 23·7·20

BORE CONSTRUCTION

Head-works	☑ Flush-mount ☐ Monument ☐ Casing only ☐ Locked	Measurement Point	☑ Top of PVC Casing	Total Depth: 12.21 m

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri Pump	Water Quality Meter used: YSI		Undertaken By: IO / TC
Depth to water: 0.439 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: 0.2 L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
0.1	1	2107	19.1	1366	5.93	22.6	2.00	-29.2	~0.50
0.5	3	2015	19.3	1306	5.95	7.3	0.67	-40.7	~0.50
0.9	5	1988	19.5	1295	5.97	4.7	0.43	-44.8	~0.50
1.3	7	1998	19.5	1306	5.96	2.7	0.24	-49.9	~0.50
1.7	9	2032	19.6	1324	5.92	2.4	0.22	-49.1	~0.50

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

good – no sheen / odour, colourless, no seds.

SAMPLING DETAILS		Sample ID: BORR MW19
Time:	Vol. Removed: L	No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA		BORE ID: BORR MW19b
Project: Groundwater Monitoring Program		Job No.: 6137041
Location: SOUTH	Casing diameter: 50 mm	Date: 23.7.20

BORE CONSTRUCTION

Head-works	☑ Flush-mount ☐ Monument	☐ Casing only ☐ Locked	Measurement Point	☑ Top of PVC Casing	Total Depth: m

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri Pump	Water Quality Meter used: YSI		Undertaken By: IO / TC
Depth to water: 0.363 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
0.1	1	12518	17.6	8043	6.72	8.8	0.83	79.0	~ 0.45
0.5	3	7748	17.0	4635	6.64	17.5	1.67	84.7	~ 0.50
0.9	5	3519	16.6	2255	6.59	32.0	3.15	91.5	~ 0.55
1.3	7	1362	16.4	873	6.59	41.7	4.09	102.8	~ 0.55
1.7	9	1032	16.0	680	6.53	44.5	4.38	113.3	~ 0.55
2.1	11	1109	16.0	699	6.50	44.7	4.40	99.3	~ 0.55

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

good – no sheen / odour, colourless, no seds.

SAMPLING DETAILS

		Sample ID: BORR MW19b
Time:	Vol. Removed: L	No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA		BORE ID: BORR MW20
Project: Groundwater Monitoring Program		Job No.: 6137041
Location: NORTH	Casing diameter: 50 mm	Date: 23.7.20

BORE CONSTRUCTION

Head-works	☑ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point ☑ Top of PVC Casing	Total Depth: 14.19 m

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri Pump	Water Quality Meter used: YSI			Undertaken By: IO/TC
Depth to water: 0.503 m	Water Column: m	Req Purge Vol. [1]: L		Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm		Depth to NAPL: m
Pump intake: m				

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.1	1	6610	18.4	4313	5.57	33.7	3.00	94.9	~0.60
0.5	3	6845	18.6	4452	5.50	9.8	0.89	123.4	~0.60
0.9	5	6834	18.3	4441	5.50	7.4	0.68	136.7	~0.60
1.3	7	6809	18.4	4426	5.55	7.2	0.63	139.6	~0.60

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

good - no sheen | odour, colourless, no seds.

SAMPLING DETAILS		Sample ID: BORR MW20
Time:	Vol. Removed: L	No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA			BORE ID: BORR MW21
Project: Groundwater Monitoring Program			Job No.: 6137041
Location: North	Casing diameter: 50 mm		Date: 22.07.20

BORE CONSTRUCTION

Head-works: ☒ Flush-mount ☐ Monument ☐ Casing only ☐ Locked	Measurement Point: ☐ Top of PVC Casing	Total Depth: 10.30 m	

BORE DEVELOPMENT

Method:	Date:	Undertaken By:	Vol. Removed: L

Comments (e.g. sediment content):

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri	Water Quality Meter used: YSI		Undertaken By: IO / TC
Depth to water: 0.722 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: 0.2 L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
0.1	1	2409	18.9	1571	5.85	40.3	3.52	424	~1.2
0.5	3	2789	19.0	1814	5.77	21.2	1.91	396	~1.2
0.9	5	4025	18.9	2682	5.59	13.1	1.17	174.5	~1.2
1.3	7	5472	18.9	3582	5.39	8.2	0.74	187.2	~1.2
1.7	9	6476	18.9	4215	5.25	4.8	0.43	198.2	~1.2
2.1	11	6586	18.9	4283	5.23	4.0	0.36	200.2	~1.2
2.5	13	6710	18.8	4369	5.24	3.9	0.35	180.8	~1.2

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

Good. No odour, no sheen, slightly opaque, low seds

SAMPLING DETAILS

Time:	Vol. Removed: L	Sample ID: BORR MW21
		No of Sample Containers: 8

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☒	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA		BORE ID: BORR MW22
Project: Groundwater Monitoring Program		Job No.: 6137041
Location: NORTH	Casing diameter: 50 mm	Date: 22.7.20

BORE CONSTRUCTION

Head-works	☑ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point: ☑ Top of PVC Casing; Total Depth: 13.22 m

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri Pump	Water Quality Meter used: 451		Undertaken By: IO/TC
Depth to water: 2.748 m	Water Column: 11 m	Req Purge Vol. [1]: L	Flow Rate: 0.2 L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
0.1	1	1378	20.8	889	5.66	68.1	6.02	227.8	~2.89
0.5	3	1186	20.8	771	5.6	63	5.62	233	~2.9
0.9	5	1244	20.8	811	5.58	61.1	5.45	232	~3.1
1.3	7	1485	20.8	984	5.63	56.5	5.00	219.7	~3.1
1.7	9	1978	20.8	1329	5.7	43.9	3.85	201.1	~3.1
2.1	11	2225	20.9	1447	5.75	32.1	2.84	195.7	~3.1
2.5	13	2252	21	1446	5.75	30.7	2.71	191.4	~3.15

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

good - no sheen, no colour, no odour, no seals

SAMPLING DETAILS

		Sample ID: BORR MW22
Time:	Vol. Removed: L	No of Sample Containers: 10

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA		BORE ID: BORR MW22B
Project: Groundwater Monitoring Program		Job No.: 6137041
Location: NORTH	Casing diameter: 50 mm	Date: 22.7.20

BORE CONSTRUCTION

Head-works	☑ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point: ☑ Top of PVC Casing	Total Depth: 1.36 m

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri Pump	Water Quality Meter used: YSI		Undertaken By: IO/TC
Depth to water: 0.396 m	Water Column: ~1 m m	Req Purge Vol. [1]: L	Flow Rate: 0.2 L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.1	1	621	17.5	403	6.77	16.7	1.58	83.1	~0.4
0.5	3	606	16.9	394	6.65	12.2	1.18	84.7	~0.53
0.9	5	599	16.6	389	6.58	11.7	1.14	85	~0.58
1.3	7	598	16.6	389	6.56	10.9	1.05	86.2	~0.8

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

good - no sheen, no smell, colourless, low seds

SAMPLING DETAILS

Time:	Vol. Removed: L	Sample ID: BORR MW22B
		No of Sample Containers: 8

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA			BORE ID: BORR MW24
Project: Groundwater Monitoring Program			Job No.: 6137041
Location: North	Casing diameter: 50 mm		Date: 22.02.20

BORE CONSTRUCTION

Head-works	☑ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point	☐ Top of PVC Casing	Total Depth: 9.89 m

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri	Water Quality Meter used: YSI		Undertaken By: TC | IO
Depth to water: 7.582 m	Water Column: 2.5 m	Req Purge Vol. [1]: L	Flow Rate: 0.2 L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
0.1	1	1919	20.6	1249	4.17	24.2	2.08	302.4	~7.85
0.5	3	1949	20.6	1268	4.09	20.5	1.83	347.6	~~8.00~~
0.9	5	1978	20.6	1286	4.02	20.4	1.82	365.7	~8.00
1.3	7	1982	20.7	1288	4.02	20.2	1.8	373.4	~8.00

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

Good - no odour, no sheen, colourless, no seds

SAMPLING DETAILS

Time:	Vol. Removed: L	Sample ID: BORR MW24
		No of Sample Containers: 8

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☒	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA		BORE ID: BORR MW2S
Project: Groundwater Monitoring Program		Job No.: 6137041
Location: North	Casing diameter: 50 mm	Date: 22/7/20

BORE CONSTRUCTION

Head-works	☑ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point	☐ Top of PVC Casing	Total Depth: 7.99 m

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri	Water Quality Meter used: YSI		Undertaken By: IO/TC
Depth to water: 0.788 m	Water Column: 7 m	Req Purge Vol. [1]: L	Flow Rate: 0.2 L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
0.1	1	1443	19.6	938	5.75	16.2	1.58	102.1	~0.85
0.5	3	1446	19.7	946	5.68	5.8	0.52	109.9	~1.15
0.9	5	1446	19.7	940	5.67	4.3	0.39	111.5	~1.22
1.3	7	1446	19.7	940	5.67	3.6	0.32	113.7	~1.33
1.7	9	1446	19.7	940	5.67	3.2	0.29	114.6	~1.40

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

Good - no sheen, no odour, brown, mod seds

SAMPLING DETAILS

Time:	Vol. Removed: L	Sample ID: BORR MW2S
		No of Sample Containers: 8

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA		BORE ID: BORR MW27
Project: Groundwater Monitoring Program		Job No.: 6137041
Location: NORTH	Casing diameter: 50 mm	Date: 21·7·20

BORE CONSTRUCTION

Head-works	☑ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point: ☑ Top of PVC Casing; Total Depth: 4·33 m

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri Pump	Water Quality Meter used: YSI		Undertaken By: IO | TC
Depth to water: 1·918 m	Water Column: ~2·25 m	Req Purge Vol. [1]: L	Flow Rate: ~ 0·2 L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
0·1	1	108·0	18·0	70	5·73	63·5	5·77	84·1	~ 2·00
0·5	3	100·9	17·4	65	5·16	53·8	5·32	95·7	~ 2·00
0·9	5	101·0	17·3	66	5·18	53·9	5·27	94·1	~ 2·00

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

good - no sheen / odour, Brown, low- seds.

SAMPLING DETAILS

Time:	Vol. Removed: L	Sample ID: BORR MW27; No of Sample Containers: 8

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA		BORE ID: BORR MW28
Project: Groundwater Monitoring Program		Job No.: 6137041
Location: NORTH	Casing diameter: 50 mm	Date: 21·7·20

BORE CONSTRUCTION

Head-works	☑ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point: ☑ Top of PVC Casing; Total Depth: 3.93 m

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri Pump	Water Quality Meter used: 451		Undertaken By: IO / TC
Depth to water: 1.675 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
0.1	1	1488	17.9	970	6.10	26.0	2.35	-103.0	~1.75
0.5	3	1480	17.8	953	6.03	5.3	0.48	-117.1	~1.75
0.9	5	1159	17.7	746	6.05	2.6	0.25	-157.7	~1.75
1.3	7	1130	18.6	720	6.07	2.4	0.22	-163.9	~1.75

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

good - no sheen/odour, Brown, Low seds.

SAMPLING DETAILS		Sample ID: BORR MW28
Time:	Vol. Removed: L	No of Sample Containers: 8

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA			BORE ID: BORR MW29
Project: Groundwater Monitoring Program			Job No.: 6137041
Location: North	Casing diameter: 50 mm		Date: 21/7/20

BORE CONSTRUCTION

Head-works	☑ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point ☐ Top of PVC Casing	Total Depth: 8.44 m

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri	Water Quality Meter used: YSI		Undertaken By: IO/TC
Depth to water: 5.627 m	Water Column: 2.8 m	Req Purge Vol. [1]: L	Flow Rate: 2 L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.1	1	987	18.9	642	5.47	8.7	0.79	-119.9	~5.7
0.5	3	~~993~~	19.2	645	5.45	5.1	0.46	-141	~5.7
0.9	5	985	19.2	640	5.44	3.6	0.33	-152.4	~5.7
0.13	7	982	19.3	638	5.42	3.1	0.29	-156.9	~5.7
0.17	9	972	19.3	631	5.41	2.6	0.24	-165.7	~5.7
0.21	11	957	19.3	622	5.39	24	0.22	-179.6	~5.7

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

Good - no sheen, strong sulphur, light brown, low sed

SAMPLING DETAILS

Time:	Vol. Removed: L	Sample ID: BORR MW29
		No of Sample Containers: 8

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA		BORE ID: BORR MW31
Project: Groundwater Monitoring Program		Job No.: 6137041
Location: NORTH	Casing diameter: 50 mm	Date: 21.7.20

BORE CONSTRUCTION

Head-works	☑ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point ☑ Top of PVC Casing	Total Depth: 6.03 m

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri Pump	Water Quality Meter used: YSI		Undertaken By: IO/TC
Depth to water: 3.242 m	Water Column: ~ 2.75 m	Req Purge Vol. [1]: L	Flow Rate: 0.2 L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
0.1	1	288.6	18.6	187	5.29	10.4	0.93	54.6	~ 3.30
0.4	3	285.4	18.8	185	5.23	4.6	0.42	21.4	~ 3.30
0.7	5	284.2	18.8	185	5.21	3.9	0.36	14.5	~ 3.30
1.1	7	284.1	18.8	185	5.20	3.8	0.34	12.2	~ 3.30

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

good – no sheen | odour, light Brown, low seds.

SAMPLING DETAILS

Time:	Vol. Removed: L	Sample ID: BORR MW31
		No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA		BORE ID: BORR MW32
Project: Groundwater Monitoring Program		Job No.: 6137041
Location: NORTH	Casing diameter: 50 mm	Date: 21.7.20

BORE CONSTRUCTION

Head-works	☑ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point	☑ Top of PVC Casing	Total Depth: 5.04 m

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri Pump	Water Quality Meter used: YSI		Undertaken By: IO/TC
Depth to water: 0.862 m	Water Column: ~ 4.2 m	Req Purge Vol. [1]: L	Flow Rate: 0.2 L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
0.1	1	485.0	12.6	313	5.67	13.5	1.22	75.1	~0.9
0.5	3	412.9	12.7	267	5.61	5.8	0.55	80.6	~0.9
0.9	5	384.7	12.8	250	5.63	4.3	0.41	69.3	~0.9
0.13	7	384.1	17.8	250	5.58	3.9	0.37	56.8	~0.9
0.17	9	386.1	17.8	252	5.57	3.8	0.37	38.9	~0.9

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

good – no sheen/odour, light Brown, very low seds.

SAMPLING DETAILS		Sample ID: BORR MW32
Time:	Vol. Removed: L	No of Sample Containers: 8

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☑	Duplicate Sample ID: WFD02 + WFS01

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA		BORE ID: BORR MW33
Project: Groundwater Monitoring Program		Job No.: 6137041
Location: NORTH	Casing diameter: 50 mm	Date: 21·7·20

BORE CONSTRUCTION

Head-works	☑ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point: ☑ Top of PVC Casing

Total Depth: 6·35 m

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri Pump	Water Quality Meter used: YSI		Undertaken By: IO/TC
Depth to water: 3·442 m	Water Column: ~3·00 m	Req Purge Vol. [1]: L	Flow Rate: 0.2 L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.1	1	411.9	20.5	268	5.62	37.0	3.33	86.3	~3.5
0.5	3	409.3	20.2	266	5.64	25	2.5	111.5	~3.5
0.9	5	409.9	20.0	266	5.43	13.6	1.23	122.4	~3.5
0.13	7	411.6	20.0	268	5.42	13.5	1.23	133.2	~3.5

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

good- no sheen/odour, light brown, low seds

SAMPLING DETAILS		Sample ID: BORR MW33
Time:	Vol. Removed: L	No of Sample Containers: 8

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA			BORE ID: BORR MW34
Project: Groundwater Monitoring Program			Job No.: 6137041
Location: North	Casing diameter: 50 mm		Date: 21/7/20

BORE CONSTRUCTION

Head-works	☑ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point: ☑ Top of PVC Casing

Total Depth: 4.88 m

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri	Water Quality Meter used: YSI		Undertaken By: TC/IO
Depth to water: 0.679m	Water Column: 4.2 m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
0.1	1	3489	15.4	2294	5.49	33.6	3.16	-41.7	~ 0.7
0.4	3	3920	15.3	2546	5.47	11.4	1.10	-32.1	~ 0.7
0.7	5	3985	16.4	2593	5.45	5.5	0.53	-38.2	~ 0.7
1.0	7	3941	16.7	2560	5.47	3.7	0.35	-42.8	~ 0.7
1.3	9	3833	16.7	2486	5.5	3.1	0.3	-46.5	~ 0.7
1.6	11	3693	16.6	2397	5.54	2.9	0.29	-49.6	~ 0.7

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

Good - no sheen, slight sulphur odour, light brown, very low sed.

SAMPLING DETAILS

Time:	Vol. Removed: L	Sample ID: BORR MW34
		No of Sample Containers: 8

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA			BORE ID: BORR MW37
Project: Groundwater Monitoring Program			Job No.: 6137041
Location: NORTH	Casing diameter:	50 mm	Date: 21.7.20

BORE CONSTRUCTION

Head-works	☑ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point	☑ Top of PVC Casing	Total Depth: 11.6 m

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri Pump	Water Quality Meter used: YSI		Undertaken By: TC / TC
Depth to water: 3.873 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: 0.2 L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
0.1	1	3532	19.8	2303	4.99	14.0	1.15	129.9	~~~4.1~~
0.5	3	3595	20.2	2337	4.95	4	0.36	154.4	~4.25
0.9	5	3598	20	2338	4.95	3.3	0.29	161.1	~4.25
0.13	7	3591	20.1	2334	4.96	2.6	0.23	165.1	~4.25
0.17	9	3576	20.1	2324	4.97	2.1	0.19	166.6	~4.25
0.21	11	3548	20.0	2306	4.97	1.9	0.17	162.2	~4.25

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

Good, no sheen, clear, no odour, high seds

SAMPLING DETAILS		Sample ID: BORR MW37
Time:	Vol. Removed: L	No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☑	Duplicate Sample ID: WFD03 + WFS02

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

BORR

Client: MRWA		BORE ID: MW 39
Project: Groundwater Monitoring Program		Job No.: 6137041
Location: NORTH	Casing diameter: 50 mm	Date: 22-7-20

BORE CONSTRUCTION

Head-works	☑ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point: ☑ Top of PVC Casing	Total Depth: 13.85 m

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri Pump	Water Quality Meter used: YSI		Undertaken By: IO/TC
Depth to water: 7.164 m	Water Column: 6.7 m	Req Purge Vol. [1]: L	Flow Rate: 0.2 L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.1	1	298.3	19.3	194	5.49	27.9	2.53	156.1	~ 7.30
0.5	3	270.0	19.5	175	5.32	23.7	2.17	120.9	~ 7.30
0.9	5	255.3	19.6	166	5.18	22.1	2.02	190.5	~ 7.30
0.13	7	252.2	19.5	164	5.15	21.0	1.92	192.3	~ 7.3

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

good - no sheen, odour, dark brown, high seds

SAMPLING DETAILS		Sample ID: BORR MW39
Time:	Vol. Removed: L	No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA			BORE ID: BORR MW46
Project: Groundwater Monitoring Program			Job No.: 6137041
Location: South	Casing diameter: 50 mm		Date: 23.07.20

BORE CONSTRUCTION

Head-works	☒ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point	☐ Top of PVC Casing	Total Depth: 5.99 m

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri	Water Quality Meter used: YSI		Undertaken By: IO/TO
Depth to water: 3.498 m	Water Column: 2.5 m	Req Purge Vol. [1]: L	Flow Rate: 0.2 L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2°C	-	10%	10%	10%	-	-
0.1	1	311.7	18.2	201	6.14	53.1	4.92	69.2	~4
0.5	3	298.8	19.1	189	5.98	46	4.24	82.4	~4
0.9	5	288	19.4	187	5.96	42.8	3.93	86.9	~4
1.3	7	302	19.6	197	5.94	37.7	3.44	82.1	~4
1.7	9	311.2	19.8	202	5.88	35.3	3.21	82.7	~4

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

Good - no sheen, brown, no odour, mod seds

SAMPLING DETAILS

Time:	Vol. Removed: L	Sample ID: BORR MW46
		No of Sample Containers: 8

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☒	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA		BORE ID: MR MW05
Project: Groundwater Monitoring Program		Job No.: 6137041
Location: SOUTH	Casing diameter: 50 mm	Date: 27 · 7 · 20

BORE CONSTRUCTION

Head-works	☑ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point: ☑ Top of PVC Casing	Total Depth: 4.95 m

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri Pump	Water Quality Meter used: YSI		Undertaken By: IO / TC
Depth to water: 2.572 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
0.1	1	22313	19.2	14554	5.35	28.2	2.31	94.0	2.65
0.5	3	22583	19.3	14680	5.29	9.1	0.76	99.7	2.65
0.9	5	22584	19.3	14679	5.30	8.8	0.74	101.8	2.65

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

good – no sheen/odour, milky Brown, low sed's.

SAMPLING DETAILS		Sample ID: MR MW05
Time:	Vol. Removed: L	No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA		BORE ID: BH9-2
Project: Groundwater Monitoring Program		Job No.: 6137041
Location: NORTH	Casing diameter: 50 mm	Date: 21-7-20

BORE CONSTRUCTION

Head-works	☑ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point	☑ Top of PVC Casing	Total Depth: 8.86 m

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri Pump	Water Quality Meter used: YSI		Undertaken By: IO/TC
Depth to water: 1.409 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: 0.2 L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	~1.5
0.1	1	1534	18.2	895	6.02	56.2	5.15	97.1	~1.5
0.45	3	920	18.7	594	6.23	52.1	4.85	95.3	~1.72
0.89	5	823	18.7	532	6.25	51.4	4.78	101.9	~1.72
0.13	7	801	18.7	520	6.26	51.2	4.77	106.6	~1.72

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

good - no sheen/odour/~~odour~~, fair clear, low sed

SAMPLING DETAILS

		Sample ID: BH9-2
Time:	Vol. Removed: L	No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA		BORE ID: BH9.2b
Project: Groundwater Monitoring Program		Job No.: 6137041
Location: NORTH	Casing diameter: 50 mm	Date: 21.7.20

BORE CONSTRUCTION

Head-works	☑ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point	☑ Top of PVC Casing	Total Depth: 2.42 m

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri. Pump	Water Quality Meter used: YSI		Undertaken By: IO/TC
Depth to water: 0.638 m	Water Column: ~1.75 m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	0.67
0.1	1								

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

good -

SAMPLING DETAILS

		Sample ID: BH9.2b
Time:	Vol. Removed: L	No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA			BORE ID: ~~BORE/MW~~ BH11-1
Project: Groundwater Monitoring Program			Job No.: 6137041
Location: NORTH	Casing diameter: 50 mm		Date: 22-7-20

BORE CONSTRUCTION

Head-works	☑ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point: ☑ Top of PVC Casing	Total Depth: 5.07 m

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri Pump	Water Quality Meter used: YSI		Undertaken By: IO / TC
Depth to water: 1.427 m	Water Column: ~3.50 m	Req Purge Vol. [1]: L	Flow Rate: 0.2 L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
0.1	1	2242	19.5	1455	6.21	12	1.0	-73.2	~1.50
0.5	3	2229	19.7	1444	6.28	5.6	0.5	-89.4	~1.50
0.9	5	2238	19.7	1455	6.29	3.7	0.33	-101.0	~1.50
1.3 ← ~~0.13~~	7	2288	19.7	1488	6.29	2.8	0.26	-102.4	~1.50
1.7 ← ~~0.17~~	9	2363	19.7	1541	6.27	2.3	0.21	-111.1	~1.50
2.1 ← ~~0.21~~	11	2529	19.6	1648	6.21	1.9	0.18	-112.1	~1.50

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

good - no sheen | odour, colourless, no seds

SAMPLING DETAILS

Time:	Vol. Removed: L	Sample ID: BH11-1
		No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA			BORE ID: BH13·2
Project: Groundwater Monitoring Program			Job No.: 6137041
Location: NORTH	Casing diameter: 50 mm		Date: 22·7·20

BORE CONSTRUCTION

Head-works	☑ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point: ☑ Top of PVC Casing; Total Depth: 5.79 m

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri Pump	Water Quality Meter used: YSI		Undertaken By: LO/TC
Depth to water: 0.750 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
0.1	1	8113	19.4	5298	5.33	21.2	1.88	192.5	~0.80
0.5	3	8790	19.2	5721	5.20	8.0	0.53	232.0	~0.80
0.9	5	9144	19.2	5958	5.19	3.9	0.35	240.7	~0.80
1.3	7	9535	19.2	6209	5.18	3.1	0.28	229.1	~0.80
1.7	9	9690	19.2	6310	5.18	2.9	0.24	774.1	~0.80

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

good – no sheen/odour, colourless, no seds.

SAMPLING DETAILS		Sample ID: BH13·2
Time:	Vol. Removed: L	No of Sample Containers: 8

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA		BORE ID: BORE S 09
Project: Groundwater Monitoring Program		Job No.: 6137041
Location: SOUTH	Casing diameter: 50 mm	Date: 27.7.20

BORE CONSTRUCTION

Head-works	☑ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point: ☑ Top of PVC Casing; Total Depth: 8.72 m

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri Pump	Water Quality Meter used: YSI		Undertaken By: TO TC
Depth to water: 4.373m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
0.1	1	301.7	18.8	196	5.73	12.8	1.15	116.4	~4.45
0.5	3	292.3	19.1	190	5.34	7.1	0.64	156.4	~4.45
0.9	5	291.6	19.0	190	5.23	5.4	0.52	182.4	~4.45
1.3	7	291.2	19.0	189	5.20	4.7	0.43	203.7	~4.45

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

good-

SAMPLING DETAILS		Sample ID: BORE S 09
Time:	Vol. Removed: L	No of Sample Containers: 8

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA			BORE ID: BH27·1
Project: Groundwater Monitoring Program			Job No.: 6137041
Location: SOUTH	Casing diameter:	50 mm	Date: 27·7·20

BORE CONSTRUCTION

Head-works	☑ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point: ☑ Top of PVC Casing; Total Depth: 8.42 m

DTW 6.089

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Peri Pump	Water Quality Meter used: 451		Undertaken By: TO + TC
Depth to water: ~~6.180~~ m	Water Column: ~ 2.50 m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
0.1	1	1739	18.4	1132	5.27	9.1	0.84	10.6	~ 6.15
0.5	3	1759	18.5	1144	5.20	6.0	0.55	11.2	~ 6.15
0.7	5	1749	18.5	1138	5.21	4.3	0.41	13.0	~ 6.15
1.3	7	1780	18.5	1169	5.29	4.2	0.39	10.5	~ 6.15

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

good - no sheen | odour, colourless.

SAMPLING DETAILS		Sample ID: BH27·1
Time:	Vol. Removed: L	No of Sample Containers: 8

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Groundwater Monitoring – Field Sheet

Client: MRWA			BORE ID: BH32.1
Project: Groundwater Monitoring Program			Job No.: 6137041
Location: CENTRAL	Casing diameter: 50 mm		Date: 20.7.20

BORE CONSTRUCTION

Head-works	☑ Flush-mount	☐ Monument	☐ Casing only	☐ Locked	Measurement Point: ☑ Top of PVC Casing

Total Depth: 10.18 m

PURGING DETAILS (measurement points in meters below top of casing as indicated above)

Method: Per. Pump	Water Quality Meter used: YSI		Undertaken By: IO/TC
Depth to water: 2.707 m	Water Column: m	Req Purge Vol. [1]: L	Flow Rate: L/min
Presence of LNAPL ☐	Presence of DNAPL ☐	Thickness of NAPL: cm	Depth to NAPL: m
Pump intake: m			

PURGING MEASUREMENTS [2]

Vol. Purged (L)	Elapsed Time (min)	EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Water Level (m b TOC)
AS 5667.11: 1998 (<+/-)		10%	0.2 °C	-	10%	10%	10%	-	-
0.2	1	1239	19.7	805	5.60	8.3	0.73	57.3	~2.80
0.6	3	1242	19.8	807	5.37	5.1	0.46	63.0	~2.80
1.0	5	1243	19.9	809	5.36	3.9	0.36	69.1	~2.80
1.4	7	1243	19.8	809	5.36	3.7	0.35	66.8	~2.80

Comments (e.g. condition of headworks, sheen, colour, odour, sediment load):

no sheen | clear, light Brown, low sed's

SAMPLING DETAILS

Time:	Vol. Removed: L	Sample ID: BH32.1
		No of Sample Containers: 5

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

CoC Number:	Checked by:	Date:

1 Bores to be purged dry, until pH, T and EC readings stabilise or a minimum of 3 to 5 times the water column volumes. Water column volumes can be calculated from the following casing volumes per unit length: 40 mm ID - 1 L/m; 50 mm ID – 2 L/m; 100 mm ID 8 L/m.

2 Calibration details to be recorded in the instrument –specific calibration book, or in field notes as required by local procedures.

Surface Water Monitoring – Field Sheet

Client:	Location ID: Northern5
Project:	Job No.: 6137041
Location:	Date: 19/08/19.
Undertaken By: EE/DS.	Time:

Surface Water Details

☐ Natural ☐ Man-made ☑ Unknown

Comment:

Type of Water Body (eg. River, Drain):

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Turbidity FNU	Turbidity NTU
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-		
616.0	17.2	400.19	7.02	83.6	8.02	196.8	5.5	5.5

Comments (e.g. sheen, colour, odour, sediment load):

Clear, no odour, no sheen, low sed.

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: NorthCreek4
Project:	Job No.: 6137041
Location:	Date: 19/08/19
Undertaken By: EE/DS	Time:

Surface Water Details

☑ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain): Creek.

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Turbidity FNU	Turbidity NTU
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-		
1197	12.6	778.083	7.24	78.1	8.20	77.0	23.0	23.0

Comments (e.g. sheen, colour, odour, sediment load): clear, no odo.

no sheen, low sed.

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: Southern 3
Project:	Job No.: 61357041
Location:	Date: 21/08/19
Undertaken By: EE/DS	Time:

Surface Water Details

☒ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain): wetland/dam.

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-
~~6153~~	~~14.6~~	~~4001.15~~	~~7.21~~	~~70.6~~	~~7.03~~	~~137.8~~
6148	14.5	3996.36	7.26	69.6	6.95	140.6

Comments (e.g. sheen, colour, odour, sediment load):

light brown, no sheen, low to mod sed, no odour

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: ~~BORE NAME~~ Southern 3
Project:	Job No.: ~~61357041~~ 61357041
Location:	Date: ~~21/08/19~~ 21/08/19
Undertaken By: EE/DS	Time:

Surface Water Details

☐ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain):

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-
1607	16.2	1044.25	7.76	91.9	8.99	60.9

Turbidity NTU FNU
4.0 | 4.0

Comments (e.g. sheen, colour, odour, sediment load):

brown, clear, no sheen, no odour, ~~no~~ low to mod sed.

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: SW01
Project:	Job No.: ~~GBA~~ 6137041
Location:	Date: 20/08/19.
Undertaken By: EE / IO	Time:

Surface Water Details

☑ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain):

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Turbidity FNU | NTU
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-	
281.9	8.8	183.04	6.44	59.3	6.88	149.9	1.8 | 1.8

Comments (e.g. sheen, colour, odour, sediment load):

SAMPLING DETAILS

Time:	Vol. Removed: L	Sample ID:
		No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☑ FD02	Duplicate Sample ID: FD02

Comments: light brown, low sed, no sheen no odour.

Surface Water Monitoring – Field Sheet

Client:	Location ID: NRM North Sites
Project:	Job No.: 6137041
Location:	Date: 20/08/19.
Undertaken By: EE / IO	Time:

Surface Water Details

☑ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain):

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Turbidity FNU | NTU
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-	
1017	9.0	660.95	6.44	85.0	9.78	109.4	16.4 | 16.5

Comments (e.g. sheen, colour, odour, sediment load):

clear, no odour, low to mod sed, no sheen

SAMPLING DETAILS

Time:	Vol. Removed: L	Sample ID:
		No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: SW03
Project:	Job No.: 637041
Location:	Date: 20/08/19
Undertaken By: EE / IO	Time:

Surface Water Details

☑ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain): River

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2 °C	-	+/- 10%	+/- 10%	+/- 10%	-
2515	11.7	~~1633.245~~	6.80	91.5	9.84	119.3
		1633.245				

Turbidity FNU 4.3 | NTU 4.3

Comments (e.g. sheen, colour, odour, sediment load):

clear, no odour, low sed, no sheen

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: Northern3
Project:	Job No.: 637041
Location:	Date: 20/08/19
Undertaken By: EE / IO.	Time:

Surface Water Details

☑ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain):

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2 °C	-	+/- 10%	+/- 10%	+/- 10%	-
9816	16.2	6380.73	5.47	81.1	7.69	215.2

Turbidity NTU 5.5 | FNU 5.5

Comments (e.g. sheen, colour, odour, sediment load):

clear, no sheen, no odour, low sed.

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: SW06 (proposed)
Project:	Job No.: 6137041
Location:	Date: 21/08/19
Undertaken By: EE/DS.	Time:

Surface Water Details

☑ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain):

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-
1688	10.4	1097.41	7.01	83.4	9.28	93.4

Turbidity NTU/FNU 24.2/24.2

Comments (e.g. sheen, colour, odour, sediment load):

Cloudy brown, no odour, no sheen, low to no sed.

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: SW11 – moved to adjacent CCW.
Project:	Job No.: 6137041
Location:	Date: 21/8
Undertaken By:	Time:

Surface Water Details

☐ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain): Drain – road run-off

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-
280.2	17.7	182.144	7.37	105	10.08	60.1

Turbidity NTU 11.0 FNU 11.0

Comments (e.g. sheen, colour, odour, sediment load): Clear to yellow, no odour, low sed, no sheen

Dry - could not sample (original location)

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: SW08 (proposed)
Project:	Job No.: 61377041
Location:	Date: 22/08/19
Undertaken By: EE/OS	Time:

Surface Water Details

☑ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain): Preston River

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-
828	11.0	538.99	6.82	82.1	9.04	90.5

Turbidity: NTU 6.8 | FNU 6.8

Comments (e.g. sheen, colour, odour, sediment load):

Clear to yellow-brown, no sheen, no odour, low sed.

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers: 10

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: SW07 (proposed)
Project:	Job No.: 61377041
Location:	Date: 22/08/19
Undertaken By: EE/OS	Time:

Surface Water Details

☑ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain): Preston River

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-
828	11.0	537.97	6.85	82.3	9.05	96.6

Comments (e.g. sheen, colour, odour, sediment load):

Clear to yellow-brown, no sheen, no odour, low to no sed.

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers: 10

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: SW09 (proposed)
Project:	Job No.: 6137041
Location:	Date: 22/08/19
Undertaken By: EE/DS	Time:

Surface Water Details

☑ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain): Tributary of Preston River

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-
594	12.3	886.06	6.58	8.4	0.89	5.4

Turbidity NTU | FNU: 28.3 | 28.3

Comments (e.g. sheen, colour, odour, sediment load):

brown, mod to high sed, no odour, bacterial sheen

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers: 10

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: NorthCreek2
Project:	Job No.: 6137041
Location:	Date: 22/08/19
Undertaken By: EE | DS.	Time:

Surface Water Details

☒ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain): river

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-
821	10.5	533.632	6.59	81.6	9.07	136.2

Comments (e.g. sheen, colour, odour, sediment load): clear-cloudy,

no odour, no sheen, low sed.

SAMPLING DETAILS		Sample ID: North Creek 2
Time:	Vol. Removed: L	No of Sample Containers: 10

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: SW10
Project:	Job No.: 61377041
Location:	Date: 22/08/19
Undertaken By: EE / DS.	Time:

Surface Water Details

☑ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain): Five Mile Brook.

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Turbidity NTU	Turbidity FNU
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-		
1028	15.1	668.11	7.12	71.1	7.14	103.9	2.2	2.2

Comments (e.g. sheen, colour, odour, sediment load):

light brown, no sheen, low sed, no odour

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers: 10

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID:
Project:	Job No.:
Location:	Date:
Undertaken By:	Time:

Surface Water Details

☐ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain):

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-

Comments (e.g. sheen, colour, odour, sediment load):

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: ~~NA~~ JT01
Project:	Job No.: 6137041
Location:	Date: 17/09/19
Undertaken By: EE/DS	Time:

Surface Water Details

☑ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain): River

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-
2073	17.0	~~25~~ 1347	6.73	15.3	1.47	109.9

NTU 9.10

Comments (e.g. sheen, colour, odour, sediment load):

clear, low to mod sed, no odour, no sheen

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers: 10

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☑	Duplicate Sample ID: FD03

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: Northern3
Project:	Job No.: 6137041
Location:	Date: 17/09/19
Undertaken By: EE/DS	Time:

Surface Water Details

☑ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain): Dam/swamp.

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-
8947	20.8	5816	5.26	104.8	9.10	251.3

NTU 5.25

Comments (e.g. sheen, colour, odour, sediment load):

clear, low sed, no sheen, no odour.

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers: 10

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: NoAhCreek2
Project:	Job No.: 61370411
Location:	Date: 16/09/19
Undertaken By:	Time:

Surface Water Details

☑ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain): River

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	Turbidity NTU
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-	
677	15.9	440	7.0	85.7	8.45	56.6	750

Comments (e.g. sheen, colour, odour, sediment load):

No odour, no sheen, low sed, clear to light brown

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers: 10

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: SW09
Project:	Job No.: 61370411
Location:	Date: 16/09/19
Undertaken By:	Time:

Surface Water Details

☑ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain): Tributary of Preston River

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	NTU
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-	
531	17.6	345	6.60	0.2	0.02	-45.2	78.10

Comments (e.g. sheen, colour, odour, sediment load):

Organic odour, bacterial sheen, high sed, brown

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers: 10

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: Northern 5
Project:	Job No.: 61370411
Location:	Date: 16/09/19
Undertaken By: EE IDS	Time:

Surface Water Details

☑ Natural ☐ Man-made ☐ Unknown

Comment: Wetland

Type of Water Body (eg. River, Drain):

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-
918	18.8	597	7.15	80.6	7.50	84.1

NTU 10.31

Comments (e.g. sheen, colour, odour, sediment load):

no odour, no sheen, low to mod sed, clear to light brown.

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers: 10

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: NorthCreek4
Project:	Job No.: 61370411
Location:	Date: 16/09/19
Undertaken By:	Time:

Surface Water Details

☑ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain): Creek.

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-
1148	20.4	746	7.48	115.6	10.39	96.6

NTU 29.23

Comments (e.g. sheen, colour, odour, sediment load):

clear to light brown, ~~mod~~ no odour, no sheen, low to mod sed

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☑	Duplicate Sample ID: BP8502

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: Southern 3
Project:	Job No.: 6137041
Location:	Date: 18/09/19
Undertaken By: EE / IO	Time:

Surface Water Details

☑ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain): Wetland.

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	NTU
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-	
2586	16.1	1680	7.17	47.2	4.60	80.5	2.12

Comments (e.g. sheen, colour, odour, sediment load):

no sheen/odour, mod. sediment; light brown.

SAMPLING DETAILS		Sample ID: SOUTHERN 3
Time:	Vol. Removed: L	No of Sample Containers: 10

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: Southern 4
Project:	Job No.: 6137041
Location:	Date: 18/09/19
Undertaken By: EE / IO	Time:

Surface Water Details

☑ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain): Wetland

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	NTU
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-	
5698	16.4	3702	7.24	38.8	3.71	25.8	2.84

Comments (e.g. sheen, colour, odour, sediment load):

no sheen/odour, low sediment, Yellow/light brown.

SAMPLING DETAILS		Sample ID: SOUTHERN 4
Time:	Vol. Removed: L	No of Sample Containers: 10

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: SW01
Project:	Job No.: 6137041
Location:	Date: 17/09/19
Undertaken By: EE/DS	Time:

Surface Water Details

☑ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain): Wetland.

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	NTU
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-	
286	14.3	186	6.43	35.2	3.61	109.4	103.35

Comments (e.g. sheen, colour, odour, sediment load):

yellow-brown, med sed, no sheen, no odour

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers: 10

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: WRM North Sites
Project:	Job No.: 6137041
Location:	Date: 17/09/19
Undertaken By: EE/DS	Time:

Surface Water Details

☑ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain): SW body

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	NTU
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-	
2478	15.4	1611	6.29	84.6	8.36	137.8	49.25

Comments (e.g. sheen, colour, odour, sediment load):

v slg clear light brown, no odour, no sheen, low to mod sed.

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers: 10

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: SW06
Project:	Job No.: 61370241
Location:	Date: 17/09/19
Undertaken By: EE/DS	Time:

Surface Water Details

☑ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain): Creek.

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-	NTU
2044	21.3	1329	7.19	107.1	9.43	68.5	38.31

Comments (e.g. sheen, colour, odour, sediment load):

clear - yellow tinge, no sheen, low sed, no odour

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers: 10

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: SW10
Project:	Job No.: 61370241
Location:	Date: 18/09/19
Undertaken By: EE/10	Time:

Surface Water Details

☑ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain): Five Mile Brook.

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-	NTU
771	18.8	501	7.18	72.4	6.73	63.4	2.15

Comments (e.g. sheen, colour, odour, sediment load):

Light brown, no odour, no sheen, low sed.

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers: 10

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: SW07
Project:	Job No.: 61370411
Location:	Date: 16/09/19
Undertaken By:	Time:

Surface Water Details

☑ Natural ☐ Man-made ☐ Unknown

Comment: Preston River

Type of Water Body (eg. River, Drain):

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	NTU
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-	
694	16.4	451	6.86	86.4	8.44	80.4	8.47

Comments (e.g. sheen, colour, odour, sediment load):

no odour, no sheen, low sed, clear to light brown

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: SW08
Project:	Job No.: 61370411
Location:	Date: 16/09/19
Undertaken By:	Time:

Surface Water Details

☑ Natural ☐ Man-made ☐ Unknown

Comment: Preston River.

Type of Water Body (eg. River, Drain):

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	NTU
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-	
693	16.4	450	6.92	86.2	8.42	78.5	8.50

Comments (e.g. sheen, colour, odour, sediment load):

no odour, no sheen, low sed, clear to light brown

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: SW11
Project:	Job No.: 61370441
Location:	Date: 18/09/19
Undertaken By: EE/IO	Time:

Surface Water Details

☐ Natural ☑ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain): Road run-off drain.

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-
2786	21.8	181	8.43	167.7	14.73	81.0

NTU 714

Comments (e.g. sheen, colour, odour, sediment load):

light brown, high sed, muddy odour, ~~no~~ no sheen.

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers: 10

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID:
Project:	Job No.:
Location:	Date:
Undertaken By:	Time:

Surface Water Details

☐ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain):

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-

Comments (e.g. sheen, colour, odour, sediment load):

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: NorthCreek 2
Project:	Job No.: 6137041
Location:	Date: 24/10/19
Undertaken By:	Time:

Surface Water Details

☑ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain): Preston River

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-
889	19.3	578.06	6.97	97.4	8.96	39.2

Comments (e.g. sheen, colour, odour, sediment load):

Clear, no odour, no sheen, low sed

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers: 9

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: SW09
Project:	Job No.: 6137041
Location:	Date: 24/10/19
Undertaken By:	Time:

Surface Water Details

☑ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain): Preston River tributary

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-
701	19.8	455241	6.88	60.4	6.25	25.7

Comments (e.g. sheen, colour, odour, sediment load):

Clear light brown, no odour, mod sed, bacterial sheen

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers: 9

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: NORTH Creek4
Project:	Job No.: 6137041
Location:	Date: 28/10/19
Undertaken By: EE/DS	Time:

Surface Water Details

☑ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain): Millers Creek

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-
3480	22.0	2261.94	7.04	1090	9.44	179.5

Comments (e.g. sheen, colour, odour, sediment load): * water level dropped clear, low sed, no odour, no sheen

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers: 9

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: SW10
Project:	Job No.: 6137041
Location:	Date: 28/10/19
Undertaken By:	Time:

Surface Water Details

☑ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain): Five Mile Brook

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-

Comments (e.g. sheen, colour, odour, sediment load):

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments: Five Mile Brook completely dry.

Surface Water Monitoring – Field Sheet

Client:	Location ID: Northern 3
Project:	Job No.: 6137041
Location:	Date: 22/10/19
Undertaken By: EE/PG	Time:

Surface Water Details

☑ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain):

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-
11215	27.7	7289.70	4.59	103.8	7.88	283.9

Comments (e.g. sheen, colour, odour, sediment load):

clear, no odour, no sheen, low sed.

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers: 9

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: SW06
Project:	Job No.: 6137041
Location:	Date: 23/10/19
Undertaken By: EE/PG	Time:

Surface Water Details

☑ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain): Tributary of Collie River

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS SAL SPEC PG/L

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2°C	[illegible]	+/- 10%	+/- 10%	+/- 10%	-
3607	20.9	[illegible]	7.45	105.2	9.30	75.2
		2344.396				

Comments (e.g. sheen, colour, odour, sediment load):

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers: 10

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Internal lab QA/QC sample

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID: FD01

Comments: * Clear, light yellow, low sed, no odour, no sheen

Surface Water Monitoring – Field Sheet

Client:	Location ID: NOAHenn5
Project:	Job No.: 61370411
Location:	Date: 24/10/19
Undertaken By: EE/PY	Time:

Surface Water Details

☑ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain): Wetland

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-
1095	17.4	711.072	7.38	37.3	3.51	81.2

Comments (e.g. sheen, colour, odour, sediment load):

Clear, low to mod sed, no odour, no sheen

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers: 9

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: MT01
Project:	Job No.: 61370411
Location:	Date: 24/10/19
Undertaken By: EE/PY	Time:

Surface Water Details

☑ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain): Wetland - Artificial

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-
	15.6			21.3		
292.5	16.7	190.007	6.44	38.4	3.57	50.1

Comments (e.g. sheen, colour, odour, sediment load):

clear light brown, tannin, mod sed, no odour, no sheen

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers: 8

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

** no green amber bottles.

Surface Water Monitoring – Field Sheet

Client:	Location ID: Southern 4
Project:	Job No.: 61370411
Location:	Date: 22/10/19
Undertaken By:	Time:

Surface Water Details

☑ Natural ☐ Man-made ☐ Unknown

Comment: wetland - excavated

Type of Water Body (eg. River, Drain):

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-
7083	20.3	1603.72	7.86	97.3	8.60	96.9

NTU

Comments (e.g. sheen, colour, odour, sediment load): low turbidity (couldn't be read on YSI). clear light brown, no odour, no sheen, low sed

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers: 10

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: Southern 3
Project:	Job No.: 61370411
Location:	Date: 22/10/19
Undertaken By:	Time:

Surface Water Details

☑ Natural ☐ Man-made ☐ Unknown

Comment: Wetland

Type of Water Body (eg. River, Drain):

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-
3961	19.5	2573.7	7.3	26.8	2.43	9.8

Comments (e.g. sheen, colour, odour, sediment load): low turbidity (couldn't be read on YSI). No odour, clear light brown, low to nosed., no sheen

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: SW07
Project:	Job No.: 61370411
Location:	Date: 23/10/19
Undertaken By: EE/PY	Time:

Surface Water Details

☑ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain): Preston River

Dimensions of Water Body (size, shape, depth): (downstream)

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-
976	19.4	634.331	7.02	94.0	8.61	47.7

Comments (e.g. sheen, colour, odour, sediment load):

Clear, no odour, no sheen, Low to no sed.

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers: 10

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: SW08
Project:	Job No.: 61370411
Location:	Date: 23/10/19
Undertaken By: EE/PY	Time:

Surface Water Details

☑ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain): Preston River

Dimensions of Water Body (size, shape, depth): (upstream)

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-
987	19.6	648.701	7.27	95.2	8.70	38.0

Comments (e.g. sheen, colour, odour, sediment load):

Clear, no odour, no sheen, low to no sed.

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers: 9

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: SW11
Project:	Job No.: 637041
Location:	Date: 28/10/19
Undertaken By:	Time:

Surface Water Details

☐ Natural ☑ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain): Road runoff drain

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-

Comments (e.g. sheen, colour, odour, sediment load):

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments: Completely dry

Surface Water Monitoring – Field Sheet

Client:	Location ID:
Project:	Job No.:
Location:	Date:
Undertaken By:	Time:

Surface Water Details

☐ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain):

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-

Comments (e.g. sheen, colour, odour, sediment load):

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: NRM North Site 5
Project:	Job No.: 6137041
Location:	Date: 22/10/19
Undertaken By:	Time:

Surface Water Details

☑ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain): Wetland.

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-
4130	22.3	2686.28	6.55	16.2	1.39	-110.9

Comments (e.g. sheen, colour, odour, sediment load):

Brown, mod to high sed & turbidity, no sheen, no odour.

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers: 10

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: JTO1
Project:	Job No.: 6137041
Location:	Date: 22/10/19
Undertaken By:	Time:

Surface Water Details

☑ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain): Collie River

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-
3474	21.8	2258.26	6.48	89.2	7.73	55.9

Comments (e.g. sheen, colour, odour, sediment load): not turbid

clear, no odour, low to no sed, no sheen

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers: 10

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: MT01
Project:	Job No.: 6137041
Location:	Date: 19/11/19
Undertaken By: EE/DS	Time:

Surface Water Details

☒ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain):

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-	NTU
354.0	23.6	230	6.39	63.9	5.41	37.3	47.92

Comments (e.g. sheen, colour, odour, sediment load):

clear brown, mod to high sed, no odour, no sheen.

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers: 10

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☑	Duplicate Sample ID: FD02

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: SW06
Project:	Job No.: 6137041
Location:	Date: 19/11/19
Undertaken By: EE/DS	Time:

Surface Water Details

☑ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain):

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-	NTU
3240	24.1	2106	7.14	111.1	9.22	54.8	8.51

Comments (e.g. sheen, colour, odour, sediment load):

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers: 10

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: NovaCreek2
Project:	Job No.: 6137041
Location:	Date: 18/11/19
Undertaken By: EE/DS	Time:

Surface Water Details

☑ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain): Preston River

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	
+/- 10%	+/- 0.2 °C	-	+/- 10%	+/- 10%	+/- 10%	-	NTU
869	21.7	~~8~~ 565	6.53	84.9	7.49	65.7	2.90

Comments (e.g. sheen, colour, odour, sediment load):

No odour, no sheen, low to mod, clear brown

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers: 10

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: SW09
Project:	Job No.: 6137041
Location:	Date: 18/11/19
Undertaken By:	Time:

Surface Water Details

☑ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain): Preston River tributary.

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	
+/- 10%	+/- 0.2 °C	-	+/- 10%	+/- 10%	+/- 10%	-	NTU
~~5~~61	21.4	365	6.63	12.1	1.06	68.5	5.60

Comments (e.g. sheen, colour, odour, sediment load):

clear brown, no odour, mod sed, bacterial sheen.

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers: 10

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: North Creek 4
Project:	Job No.: 61370411
Location:	Date: 18/11/19
Undertaken By:	Time:

Surface Water Details

☑ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain): Millars Creek

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-	NTU
8271	25.5	2126	7.01	114.7	9.29	68.1	2.46

Comments (e.g. sheen, colour, odour, sediment load):

clear light brown, no sheen, no odour, low sed.

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers: 10

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: Northern 5
Project:	Job No.: 61370411
Location:	Date: 21/11/19
Undertaken By: ~~EE~~ / 10	Time:

Surface Water Details

☐ Natural ☑ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain): wetland.

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-	NTU
1104	21.7	718	7.13	44.4	3.90	63.4	5.81

Comments (e.g. sheen, colour, odour, sediment load):

clear light brown, low to mod sed, no odour, no sheen

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers: 10

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: Northern 3
Project:	Job No.: 6137041
Location:	Date: 20/11/19
Undertaken By: EE/DS	Time:

Surface Water Details

☐ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain):

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2 °C	-	+/- 10%	+/- 10%	+/- 10%	-
11353	23.8	7380	4.44	112.0	9.14	274.3

NTU
0.50

Comments (e.g. sheen, colour, odour, sediment load):

clear, no odour, no sheen, low sed

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers: 10

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID:
Project:	Job No.:
Location:	Date:
Undertaken By:	Time:

Surface Water Details

☐ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain):

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2 °C	-	+/- 10%	+/- 10%	+/- 10%	-

Comments (e.g. sheen, colour, odour, sediment load):

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: Southern 4
Project:	Job No.: 61377041
Location:	Date: 20/11/19
Undertaken By: EE/DS	Time:

Surface Water Details

☐ Natural ☑ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain): Wetland.

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-
7975	19.6	5184	7.21	17.1	1.52	9.6

NTU 7.17

Comments (e.g. sheen, colour, odour, sediment load):

Clear orange, no odour, no sheen, low turbidity

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers: 10

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: Southern 3
Project:	Job No.: 61377041
Location:	Date: 20/11/19
Undertaken By: EE/DS	Time:

Surface Water Details

☑ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain): Wetland

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-
6472	17.1	4206	8.62	91.3	8.62	64.5

NTU 22.5

Comments (e.g. sheen, colour, odour, sediment load):

clear brown, no odour, no sheen, mod-to high algae

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers: 10

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: SW08
Project:	Job No.: 61370411
Location:	Date: 18/11/19
Undertaken By:	Time:

Surface Water Details

☑ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain): Preston River (downstream of bridge)

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-
~~1126 23.0~~	22.8	732	6.68	102.9	8.86	23.0

NTU 3.95

Comments (e.g. sheen, colour, odour, sediment load): clear-brown, no odour, no sheen, low sed

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers: 10

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: SW07
Project:	Job No.: 61370411
Location:	Date: 18/11/19
Undertaken By:	Time:

Surface Water Details

☑ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain): Preston River (upstream of bridge)

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-
1124	22.8	730	6.68	102.4	8.82	36.0

NTU 3.95

Comments (e.g. sheen, colour, odour, sediment load): clear brown, no odour, no sheen, low sed.

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers: ~~10~~ 11

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments: Lab QA/QC - orange amber.

Surface Water Monitoring – Field Sheet

Client:	Location ID: SW10
Project:	Job No.: 6137041
Location:	Date: 21/11/19
Undertaken By: EE/10	Time:

Surface Water Details

☑ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain): File Mile Brook.

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-

Comments (e.g. sheen, colour, odour, sediment load):

DRY.

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: SW11
Project:	Job No.: 6137041
Location:	Date: 20/11/19
Undertaken By: EE/DS	Time:

Surface Water Details

☐ Natural ☑ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain): Road runoff drain

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-

Comments (e.g. sheen, colour, odour, sediment load):

DRY.

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: NRMNorthSite5
Project:	Job No.: 6137041
Location:	Date: 20/11/19
Undertaken By: EE/DS.	Time:

Surface Water Details

☑ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain):

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-
7796	21.3	5069	7.53	47.4	4.10	-81.8

NTU 169.16.

Comments (e.g. sheen, colour, odour, sediment load):

clear brown, high sed, swampy odour, no sheen.

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers: 10

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: JTO1
Project:	Job No.: 6137041
Location:	Date: 20/11/19
Undertaken By: EE/DS	Time:

Surface Water Details

☑ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain): Preston Collie River

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-
3023	21.1	1965	6.46	8.8	0.78	84.0

NTU 10.37

Comments (e.g. sheen, colour, odour, sediment load):

clear brown, no odour, no sheen, low to mod sed

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers: 10

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: MTO1
Project:	Job No.: 6137041
Location:	Date: 18/12/19
Undertaken By: EE/PK	Time:

Surface Water Details

☐ Natural ☑ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain): Wetland

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2 °C	-	+/- 10%	+/- 10%	+/- 10%	-
634	~~22.0~~	412.10	~~6.97~~	73.2	6.01	~~36.6~~
	25.1		6.75			44.4

NTU 65.5

Comments (e.g. sheen, colour, odour, sediment load):

brown/tanin, no odour, no sheen, moderate sed

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers: 9

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☑	Duplicate Sample ID: FD02

Comments: Internal lab QA/QC

Surface Water Monitoring – Field Sheet

Client:	Location ID: MTO1
Project:	Job No.:
Location:	Date:
Undertaken By:	Time:

Surface Water Details

☑ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain): Collie River

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2 °C	-	+/- 10%	+/- 10%	+/- 10%	-
3571	24.5	2321.15	6.57	35.1	2.90	47.1

NTU 14.2

Comments (e.g. sheen, colour, odour, sediment load): low sed

clear light yellow, no odour, no sheen

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: NoahCreek2
Project:	Job No.: 6137041
Location:	Date: 16/12/19
Undertaken By: EE/PK	Time:

Surface Water Details

☑ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain): Preston River

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-
796	22.8	517.40	6.80	54.9	4.72	46.7

NTU 14.2

Comments (e.g. sheen, colour, odour, sediment load):

clear light brown, no odour, low to mod sed, no sheen.

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers: 10

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: SW09
Project:	Job No.: 6137041
Location:	Date: 16/12/19
Undertaken By: EE/PK	Time:

Surface Water Details

☐ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain): Tributary of Preston River?

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-
951	23.9	618.15	6.74	42.5	4.04	70.8

NTU 72.6

Comments (e.g. sheen, colour, odour, sediment load):

brown, high sed, bacterial sheen, slight organic odour

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers: 10

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: Northern 3
Project:	Job No.: 6137041
Location:	Date: 18/12/19
Undertaken By: EE/PK	Time:

Surface Water Details

☐ Natural ☑ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain):

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2 °C	-	+/- 10%	+/- 10%	+/- 10%	-
30290	33.1	19688.50	4.40	75.8	4.92	301.3

NTU 7.2

Comments (e.g. sheen, colour, odour, sediment load):

clear, low to no sed, no sheen, no odour.

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers: 9

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: SW06
Project:	Job No.: 6137041
Location:	Date: 18/12/19
Undertaken By: EE/PK	Time:

Surface Water Details

☑ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain): Creek.

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2 °C	-	+/- 10%	+/- 10%	+/- 10%	-
3255	26.3	2115.75	7.18	68.9	5.50	85.8

NTU 6.3

Comments (e.g. sheen, colour, odour, sediment load):

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers: 9

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: Northern 5
Project:	Job No.: 6139041
Location:	Date: 17/12/19
Undertaken By: EE/PK.	Time:

Surface Water Details

☐ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain):

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	NTU
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-	
1294	24.1	841.10	7.41	39.2	3.27	36.4	8.0

Comments (e.g. sheen, colour, odour, sediment load): potential sheen

clear light yellow, no odour, low/mod sed

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers: 9

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: North Creek 4
Project:	Job No.: 6139041
Location:	Date: 17/12/19
Undertaken By: EE/PK	Time:

Surface Water Details

☑ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain): Millars Creek

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	NTU
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-	
2916	27.8	1895.40	6.90	64.6	5.03	68.2	5.1

Comments (e.g. sheen, colour, odour, sediment load):

Clear light brown, low to nosed, no odour, no sheen

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers: 9

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: Southern 4
Project:	Job No.: 61370411
Location:	Date: 19/12/19
Undertaken By: EE/PK	Time:

Surface Water Details

☐ Natural ☑ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain): Wetland

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-
9528	23.7	6193.20	8.74	71.1	5.83	19.9

NTU 17.7

Comments (e.g. sheen, colour, odour, sediment load):

Clear yellow, low to no sed, no sheen, no odour

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers: 9

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments: Internal lab QA/QC

Surface Water Monitoring – Field Sheet

Client:	Location ID: Southern 3
Project:	Job No.: 61370411
Location:	Date: 19/12/19
Undertaken By: EE/PK	Time:

Surface Water Details

☑ Natural ☑ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain): wetland

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-

Comments (e.g. sheen, colour, odour, sediment load):

clear yellow, low to no sed, no sheen, no odour

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers: 9

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments: DRY

Surface Water Monitoring – Field Sheet

Client:	Location ID: SW08
Project:	Job No.: 61370411
Location:	Date: 16/12/19
Undertaken By: EE | PK	Time:

Surface Water Details

☑ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain): Preston River (upstream ~~downstream~~)

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	NTU
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-	
1006	24.6	653.90	6.72	88.7	7.30	49.2	10.5

Comments (e.g. sheen, colour, odour, sediment load):

cloudy, no odour, no sheen, low sed.

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers: 9

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: SW07
Project:	Job No.: 61370411
Location:	Date: 16/12/19
Undertaken By: EE | PK	Time:

Surface Water Details

☑ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain): Preston River (downstream)

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	NTU
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-	
1006	24.4	653.90	6.74	74.5	6.22	53.5	9.1

Comments (e.g. sheen, colour, odour, sediment load):

clear, no odour, no sheen, low sed.

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers: 9

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☑	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: WRM North Site
Project:	Job No.:
Location:	Date:
Undertaken By: TE/DK	Time:

Surface Water Details

☐ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain):

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-

Comments (e.g. sheen, colour, odour, sediment load):

dry

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments: DRY

Surface Water Monitoring – Field Sheet

Client:	Location ID:
Project:	Job No.:
Location:	Date:
Undertaken By:	Time:

Surface Water Details

☐ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain):

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-

Comments (e.g. sheen, colour, odour, sediment load):

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: JT01
Project:	Job No.:
Location:	Date: 22.1.20
Undertaken By:	Time:

Surface Water Details

☐ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain):

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	NTU
+/- 10%	+/- 0.2 °C	-	+/- 10%	+/- 10%	+/- 10%	-	
4097	22.8	2662.9	6.56	81.1	6.90	93.5	11.5

Comments (e.g. sheen, colour, odour, sediment load): no sheen
light brown, muddy odour, mod sed

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: Northern 3
Project:	Job No.:
Location:	Date: 23.1.20
Undertaken By:	Time:

Surface Water Details

☐ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain):

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2 °C	-	+/- 10%	+/- 10%	+/- 10%	-

Comments (e.g. sheen, colour, odour, sediment load):

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments: DRY

Surface Water Monitoring – Field Sheet

Client:	Location ID: ~~MTO1 SW01~~ MTO1
Project:	Job No.:
Location:	Date: 23.1.20
Undertaken By:	Time:

Surface Water Details

☐ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain):

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	NTU
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-	
1805	23.9	1173	6.27	13.3	1.71	33.0	576.9

Comments (e.g. sheen, colour, odour, sediment load):

no sheen, brown, no odour, med seds

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID:
Project:	Job No.:
Location:	Date:
Undertaken By:	Time:

Surface Water Details

☐ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain):

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2°C	-	+/- 10%	+/- 10%	+/- 10%	-

Comments (e.g. sheen, colour, odour, sediment load):

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: NORTH CREEK 2
Project:	Job No.:
Location:	Date: 20.1.20
Undertaken By:	Time:

Surface Water Details

☐ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain):

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	NTU
+/- 10%	+/- 0.2 °C	-	+/- 10%	+/- 10%	+/- 10%	-	
887	22.5	576.9	6.29	81.1	7.00	113.2	5.5

Comments (e.g. sheen, colour, odour, sediment load): no odour
no sheen, light brown, low to mod sed

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers: 10

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: SW09
Project:	Job No.:
Location:	Date: 20.1.20
Undertaken By:	Time:

Surface Water Details

☐ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain):

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	NTU
+/- 10%	+/- 0.2 °C	-	+/- 10%	+/- 10%	+/- 10%	-	
1205	23.2	782.9	6.87	51.7	4.39	156.8	9.8

Comments (e.g. sheen, colour, odour, sediment load): no odour
light yellow, bacterial sheen, low sed

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

North Creek 4

Client:	Location ID: ~~WRM North Site 5~~
Project:	Job No.:
Location:	Date: 22.1.20
Undertaken By:	Time:

Surface Water Details

☒ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain):

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	NTU
+/- 10%	+/- 0.2 °C	-	+/- 10%	+/- 10%	+/- 10%	-	
3084	23.4	2004.4	7.16	120.2	10.149	121.3	1.5

Comments (e.g. sheen, colour, odour, sediment load):

cloudy, no odour, no sheen, low-mod seds

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments: ~~DRY~~.

Surface Water Monitoring – Field Sheet

WRM North Site 5

Client:	Location ID: ~~North Creek 4~~
Project:	Job No.:
Location:	Date: 22.1.20
Undertaken By:	Time:

Surface Water Details

☐ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain):

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2 °C	-	+/- 10%	+/- 10%	+/- 10%	-

Comments (e.g. sheen, colour, odour, sediment load):

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments: DRY.

Surface Water Monitoring – Field Sheet

Client:	Location ID: Southern 3
Project:	Job No.:
Location:	Date: 22.1.20
Undertaken By:	Time:

Surface Water Details

☐ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain):

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2 °C	-	+/- 10%	+/- 10%	+/- 10%	-

Comments (e.g. sheen, colour, odour, sediment load):

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments: DRY

Surface Water Monitoring – Field Sheet

Client:	Location ID: Southern 4
Project:	Job No.:
Location:	Date: 22.1.20
Undertaken By:	Time:

Surface Water Details

☐ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain):

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	NTU
+/- 10%	+/- 0.2 °C	-	+/- 10%	+/- 10%	+/- 10%	-	
12485	22.8	8118.9	8.81	73.0	6.06	74.9	30.3

Comments (e.g. sheen, colour, odour, sediment load): mod-high sed no sheen, no odour, yellow

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID: FD02 FS01

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: SW07
Project:	Job No.:
Location:	Date: 20.1.20
Undertaken By:	Time:

Surface Water Details

☒ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain): River

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	NTU
+/- 10%	+/- 0.2 °C	-	+/- 10%	+/- 10%	+/- 10%	-	
1171	23.5	716.9	6.40	97.3	8.24	102.7	7.4

Comments (e.g. sheen, colour, odour, sediment load):

No sheen, slight colour, no odour, some sed

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: SW08
Project:	Job No.:
Location:	Date: 20.1.20
Undertaken By:	Time:

Surface Water Details

☒ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain): River

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	NTU
+/- 10%	+/- 0.2 °C	-	+/- 10%	+/- 10%	+/- 10%	-	
1174	23.3	762.9	6.41	95.3	8.09	111.7	8.2

Comments (e.g. sheen, colour, odour, sediment load):

No sheen, slight colour, no odour, some sed

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: SW10
Project:	Job No.:
Location:	Date: 20.1.20
Undertaken By: IO/PK/AH	Time:

Surface Water Details

☐ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain):

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2 °C	-	+/- 10%	+/- 10%	+/- 10%	-

Comments (e.g. sheen, colour, odour, sediment load):

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments: DRY

Surface Water Monitoring – Field Sheet

Client:	Location ID: NORTHERN 5
Project:	Job No.:
Location:	Date: 21.1.20
Undertaken By: IO/AK/AH	Time:

Surface Water Details

☐ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain):

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	NTU
+/- 10%	+/- 0.2 °C	-	+/- 10%	+/- 10%	+/- 10%	-	
1849	26.0	1201.8	7.30	96.8	7.81	106.9	3.8

Comments (e.g. sheen, colour, odour, sediment load): low sed light green, no sheen, no odour

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: SW11
Project:	Job No.:
Location:	Date: 20.1.20
Undertaken By: IO/PK/AH	Time:

Surface Water Details

☐ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain):

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2 °C	-	+/- 10%	+/- 10%	+/- 10%	-

Comments (e.g. sheen, colour, odour, sediment load):

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments: DRY

Surface Water Monitoring – Field Sheet

Client:	Location ID: SW06
Project:	Job No.:
Location:	Date: 21.1.20
Undertaken By:	Time:

Surface Water Details

☐ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain):

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2 °C	-	+/- 10%	+/- 10%	+/- 10%	-
3085	23.4	2005.3	6.73	75.2	6.34	75.6

NTU 1.1

Comments (e.g. sheen, colour, odour, sediment load):

clear, no odour, low sed, no sheen

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments: FD02

Surface Water Monitoring – Field Sheet

Client:	Location ID:
Project:	Job No.:
Location:	Date:
Undertaken By:	Time:

Surface Water Details

☐ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain):

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2 °C	-	+/- 10%	+/- 10%	+/- 10%	-

Comments (e.g. sheen, colour, odour, sediment load):

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: JTO1
Project:	Job No.:
Location:	Date: 20.2.20
Undertaken By:	Time:

Surface Water Details

☐ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain):

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	NTU
+/- 10%	+/- 0.2 °C	-	+/- 10%	+/- 10%	+/- 10%	-	
10504	23.2	6786	6.65	77.8	6.44	-0.1	13.83

Comments (e.g. sheen, colour, odour, sediment load): bacterial sheen no odour, ~~clear~~, low sed, light yellow

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: MT01
Project:	Job No.:
Location:	Date: 19.2.20
Undertaken By:	Time:

Surface Water Details

☐ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain):

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2 °C	-	+/- 10%	+/- 10%	+/- 10%	-

Comments (e.g. sheen, colour, odour, sediment load):

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments: DRY

Surface Water Monitoring – Field Sheet

Client:	Location ID: Southam 4
Project:	Job No.:
Location:	Date: 19.2.20
Undertaken By:	Time:

Surface Water Details

☐ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain):

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	
+/- 10%	+/- 0.2 °C	-	+/- 10%	+/- 10%	+/- 10%	-	
13,536	22.1	8,798	8.06	62.0	5.18	-0.6	9.09 NTU

Comments (e.g. sheen, colour, odour, sediment load):

slight sheen, yellow, low sed, low odour

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: North Creek 2
Project:	Job No.:
Location:	Date: 17.2.20
Undertaken By:	Time:

Surface Water Details

☐ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain):

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2 °C	-	+/- 10%	+/- 10%	+/- 10%	-
840	21.5	546	6.00	75.2	6.69	128.3

NTU
4.84

Comments (e.g. sheen, colour, odour, sediment load): light brown
no sheen, no odour, mod sed

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID: FD01

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: SW09
Project:	Job No.:
Location:	Date:
Undertaken By:	Time: 17.2.20

Surface Water Details

☐ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain):

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2 °C	-	+/- 10%	+/- 10%	+/- 10%	-
1240	20.9	806	7.62	19.4	1.74	-1.8

NTU
1424.44

Comments (e.g. sheen, colour, odour, sediment load): no sheen
no odour, light brown, high to mod sed

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: Northern 3
Project:	Job No.:
Location:	Date: 20.2.20
Undertaken By:	Time:

Surface Water Details

☐ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain):

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)
+/- 10%	+/- 0.2 °C	-	+/- 10%	+/- 10%	+/- 10%	-

Comments (e.g. sheen, colour, odour, sediment load):

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

DRY

Surface Water Monitoring – Field Sheet

Client:	Location ID: North Creek 4
Project:	Job No.:
Location:	Date: 20.2.20
Undertaken By:	Time:

Surface Water Details

☐ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain):

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	NTU
+/- 10%	+/- 0.2 °C	-	+/- 10%	+/- 10%	+/- 10%	-	
3,349	21.6	2,177	7.06	62.9	5.50	12.3	89.70

Comments (e.g. sheen, colour, odour, sediment load):

no sheen, light yellow, no odour, low seds

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: SW07
Project:	Job No.:
Location:	Date: 17.2.20
Undertaken By:	Time:

Surface Water Details

☐ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain):

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	
+/- 10%	+/- 0.2 °C	-	+/- 10%	+/- 10%	+/- 10%	-	NTU
1432	22.3	931	6.57	83.9	7.32	60.4	6.47

Comments (e.g. sheen, colour, odour, sediment load):

no sheen, no odour, clear, low no sed

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments:

Surface Water Monitoring – Field Sheet

Client:	Location ID: SW08
Project:	Job No.:
Location:	Date: 17.2.20
Undertaken By:	Time:

Surface Water Details

☐ Natural ☐ Man-made ☐ Unknown

Comment:

Type of Water Body (eg. River, Drain):

Dimensions of Water Body (size, shape, depth):

WATER PARAMETERS

EC (µS/cm)	Temp. (°C)	TDS (ppm|mg/L)	pH	DO %Sat	DO (ppm|mg/L)	Eh (mV)	
+/- 10%	+/- 0.2 °C	-	+/- 10%	+/- 10%	+/- 10%	-	NTU
1443	22.4	938	6.52	81.8	7.13	70.1	5.22

Comments (e.g. sheen, colour, odour, sediment load):

no sheen, no odour, clear, no-low sed

SAMPLING DETAILS		Sample ID:
Time:	Vol. Removed: L	No of Sample Containers:

Type of Sample Containers (i.e. P = Plastic/G = Glass/V = Vial, volume and p = preserved/up = unpreserved):

Field Filtered ☐	Duplicate Samples ☐	Duplicate Sample ID:

Comments: