

Mineral Assessment Appendix B - WYG GI





DO NOT SCALE: CONTRACTOR TO CHECK ALL DIMENSIONS AND REPORT ANY OMISSIONS OR ERRORS

KEY



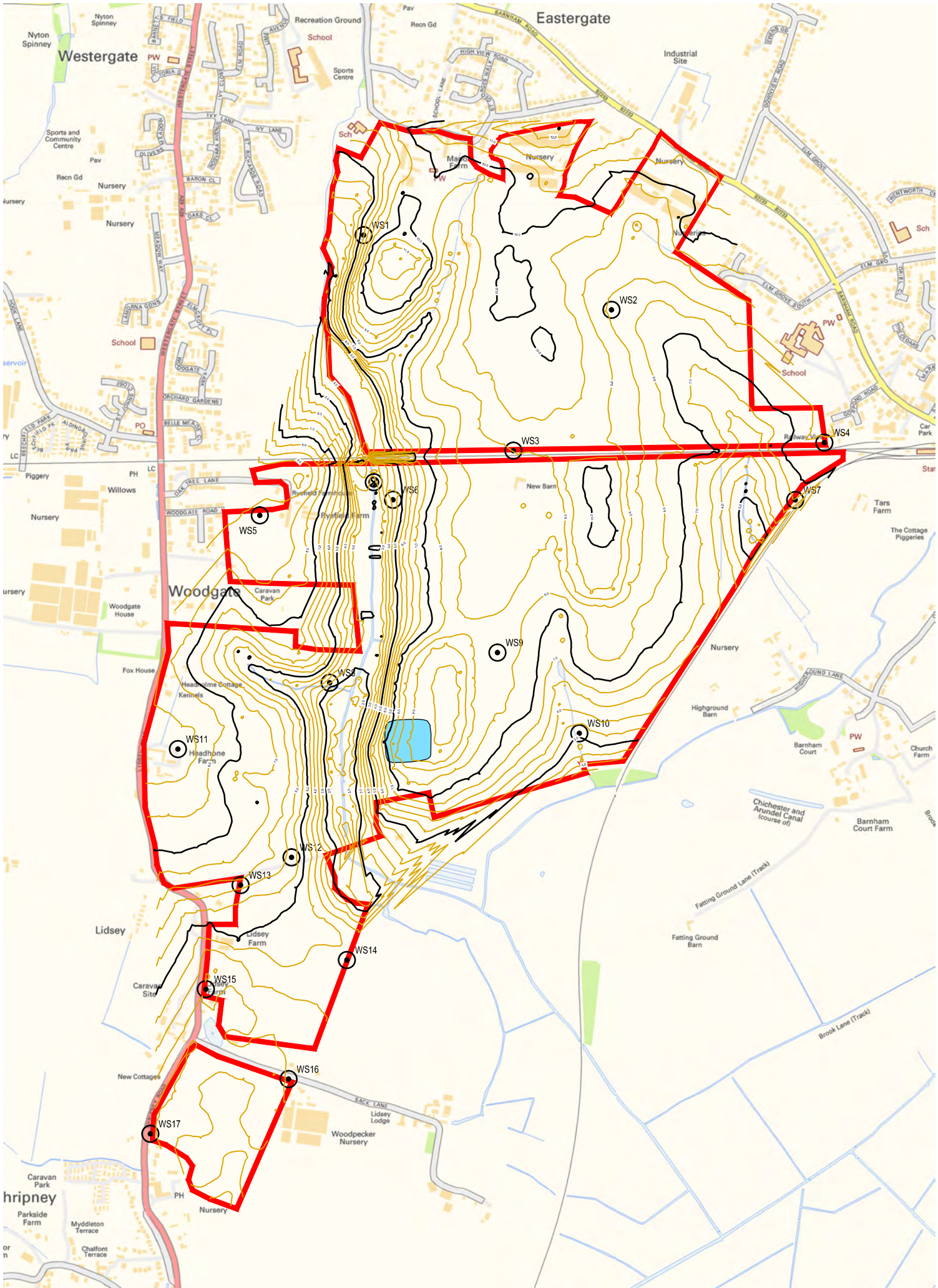
SITE BOUNDARY



WINDOW SAMPLE



DATA LOGGER



A	DATA LOGGER LOCATION ADDED	CM	SAE	CMc	19.09.17
REV	DESCRIPTION	BY	CHK	APP	DATE

Client:

BEW CONSORTIUM

ARNDAL COURT
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LS6 2UJ

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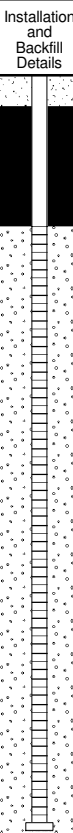
Project: A076162-3

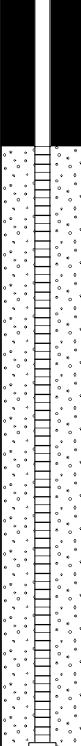
BARNHAM EASTGATE WESTGATE

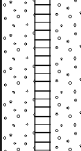
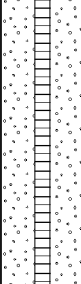
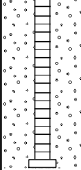
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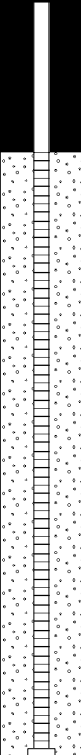
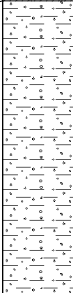
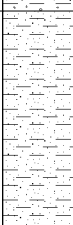
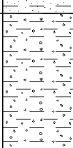
EXPLORATORY HOLE LOCATION PLAN

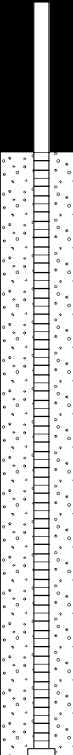
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Project No.	Office	Type	Drawing No.	Revision		
A076162-3	LDN	N	03	A		

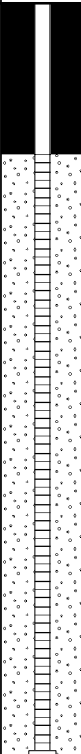
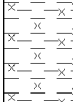
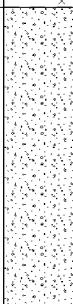
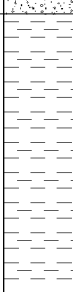
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	Job Number: A076162-3 Project: Barnham Eastergate Westergate Site Location: Barnham Client: BEW Property Consortium			Location Reference WS1 Sheet 1 of 1 Co-ordinates: 494332E - 104922N Ground Level: 8.950 Start Date: 24/05/2016 Finish Date: 24/05/2016 Logged By : SJR Drilled By : RP Drilling Method: Window Sampling					
Stratum Description	Legend	Reduced Level (mOD)	Depth (m)	Casing Diameter (mm) Depth (m)	Water Strike (m)	Installation and Backfill Details	Samples and In Situ Testing		
							Depth (m)	Type	In Situ Test Results
Soft brown slightly gravelly sandy SILT. Sand is fine to coarse. Gravel is fine to medium, subangular to subrounded flint. (TOPSOIL)		8.70	0.25				0.50	ES 1	
Soft brown clayey sandy SILT with rare gravel. Sand is fine to coarse. Gravel is fine to coarse, subangular flint. (ALLUVIUM)		8.05	0.90				1.50	ES 2	
Firm yellow brown slightly gravelly sandy CLAY. Sand is fine to coarse. Gravel is fine to coarse, subangular to subrounded flint. (ALLUVIUM)		7.05	1.90				4.00-5.00	B 1	
Recovered as yellow brown very gravelly SAND. Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse flint. (ALLUVIUM)		6.45	2.50						
Recovered as yellow brown fine to medium SAND. (ALLUVIUM)		6.15	2.80						
Recovered as yellow brown very gravelly SAND. Sand is fine to medium. Gravel is subangular to rounded fine to coarse flint. (ALLUVIUM)		5.85	3.10						
Firm blue grey slightly sandy CLAY. Sand is fine to medium. (LONDON CLAY FORMATION)									
Window Sample hole completed at 5.00 m		3.95	5.00						
Installation/ Backfill Details: On completion window sample installed with 63mm diameter HDPE pipe with slotted/gravel section between 1.00 and 5.00m bgl. Install completed with concreted upstanding cover.				Groundwater Observations During Drilling					
Additional Details: Drilling location scanned with a CAT scanner and a starter pit hand excavated to 1.20m depth before drilling.				Strike encountered at depth (m)	Casing Depth (m)	Rising to depth (m)	Over monitoring period (mins)	Depth sealed by casing (m)	
				Checked:		Verified:			

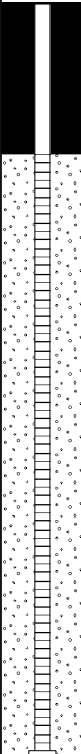
	WYG Environment part of the WYG group				Window Sample Log			
	Job Number: A076162-3 Project: Barnham Eastergate Westergate Site Location: Barnham Client: BEW Property Consortium				Location Reference WS2 Sheet 1 of 1 Co-ordinates: 494989E - 104724N Ground Level: 9.076 Start Date: 24/05/2016 Finish Date: 24/05/2016 Logged By : SJR Drilled By : RP Drilling Method: RP Drilling Window Sampling			
Stratum Description	Legend	Reduced Level (mOD)	Depth (m)	Casing Diameter (mm) Depth (m)	Water Strike (m)	Installation and Backfill Details	Samples and In Situ Testing	
							Depth (m)	Type
Soft becoming firm brown slightly gravelly sandy SILT with occasional roots and rootlets. Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse flint. (TOPSOIL)		8.63	0.45	1.25		0.20	ES 1	
Recovered as brown very clayey GRAVEL. Gravel is subangular to subrounded fine to coarse flint. (RIVER TERRACE DEPOSITS)		7.83	1.25			1.00	ES 2	
Recovered as yellow brown fine to medium SAND. (RIVER TERRACE DEPOSITS)		6.73	2.35					
Recovered as yellow brown gravelly SAND. Sand is fine to coarse. Gravel is subangular fine to coarse flint. (RIVER TERRACE DEPOSITS)		6.08	3.00					
Firm becoming stiff blue grey CLAY. (LONDON CLAY FORMATION)								
Window Sample hole completed at 5.00 m		4.08	5.00			4.00-5.00	B 1	
Installation/ Backfill Details: On completion window sample installed with 63mm diameter HDPE pipe with slotted/gravel section between 1.00 and 5.00m bgl. Install completed with concreted upstanding cover.				Groundwater Observations During Drilling				
Additional Details: Drilling location scanned with a CAT scanner and a starter pit hand excavated to 1.20m depth before drilling.				Strike encountered at depth (m)	Casing Depth (m)	Rising to depth (m)	Over monitoring period (mins)	Depth sealed by casing (m)
				1.25	-	-	5	-
				Checked: AH		Verified: AH		

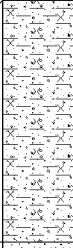
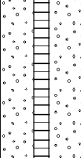
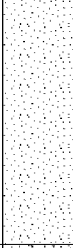
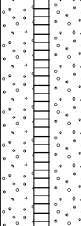
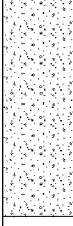
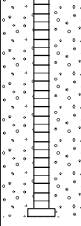
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	Job Number: A076162-3 Project: Barnham Eastergate Westergate Site Location: Barnham Client: BEW Property Consortium				Co-ordinates: 494729E - 104352N Ground Level: 10.150 Start Date: 24/05/2016 Finish Date: 24/05/2016 Logged By : SJR Drilled By : RP Drilling Method: Window Sampling				
Stratum Description	Legend	Reduced Level (mOD)	Depth (m)	Casing Diameter (mm) Depth (m)	Water Strike (m)	Installation and Backfill Details	Samples and In Situ Testing		
							Depth (m)	Type	In Situ Test Results
Soft brown slightly gravelly sandy SILT with occasional roots and rootlets. Sand is fine to coarse. Gravel is subangular to subrounded fine to medium flint. (TOPSOIL)		9.80	0.35				0.25	ES 1	
Soft brown slightly sandy CLAY. Sand is fine to medium. (RIVER TERRACE DEPOSITS)		8.25	1.90				2.00	ES 2	
Recovered as yellow brown slightly silty SAND. Sand is fine to coarse. (RIVER TERRACE DEPOSITS)		5.65	4.50				4.00-5.00	B 1	
Very stiff grey sandy CLAY. Sand is fine to medium. (LONDON CLAY FORMATION)		5.15	5.00						
Window Sample hole completed at 5.00 m									
Installation/ Backfill Details: On completion window sample installed with 63mm diameter HDPE pipe with slotted/gravel section between 1.00 and 5.00m bgl. Install completed with concreted upstanding cover.				Groundwater Observations During Drilling					
Additional Details: Drilling location scanned with a CAT scanner and a starter pit hand excavated to 1.20m depth before drilling.				Strike encountered at depth (m)	Casing Depth (m)	Rising to depth (m)	Over monitoring period (mins)	Depth sealed by casing (m)	
				Checked: AH			Verified: AH		

	WYG Environment part of the WYG group				Window Sample Log Location Reference WS6 Sheet 1 of 1				
	Job Number: A076162-3 Project: Barnham Eastergate Westergate Site Location: Barnham Client: BEW Property Consortium				Co-ordinates: 494410E - 104221N Ground Level: 4.200 Start Date: 23/05/2016 Finish Date: 23/05/2016 Logged By : SJR Drilled By : RP Drilling Method: Window Sampling				
Stratum Description	Legend	Reduced Level (mOD)	Depth (m)	Casing Diameter (mm) Depth (m)	Water Strike (m)	Installation and Backfill Details	Samples and In Situ Testing		
							Depth (m)	Type	In Situ Test Results
Soft brown slightly sandy slightly gravelly SILT with frequent roots and rootlets. Sand is fine to medium. Gravel is subangular to subrounded fine to medium flint. (TOPSOIL)		3.60	0.60				0.50	ES 1	
Firm brown slightly sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is subangular to subrounded fine to medium flint. (ALLUVIUM)		1.60	2.60				1.50	ES 2	
Stiff brown sandy CLAY. Sand is fine to medium. (LONDON CLAY FORMATION)		0.10	4.10				4.00-5.00	B 1	
Very stiff to hard very sandy CLAY with fine sand lenses up to 15mm. (LONDON CLAY FORMATION)		-0.80	5.00						
Window Sample hole completed at 5.00 m									
Installation/ Backfill Details: On completion window sample installed with 63mm diameter HDPE pipe with slotted/gravel section between 1.00 and 5.00m bgl. Install completed with concreted upstanding cover.				Groundwater Observations During Drilling					
Additional Details: Drilling location scanned with a CAT scanner and a starter pit hand excavated to 1.20m depth before drilling.				Strike encountered at depth (m)	Casing Depth (m)	Rising to depth (m)	Over monitoring period (mins)	Depth sealed by casing (m)	
				Checked: AH			Verified: AH		

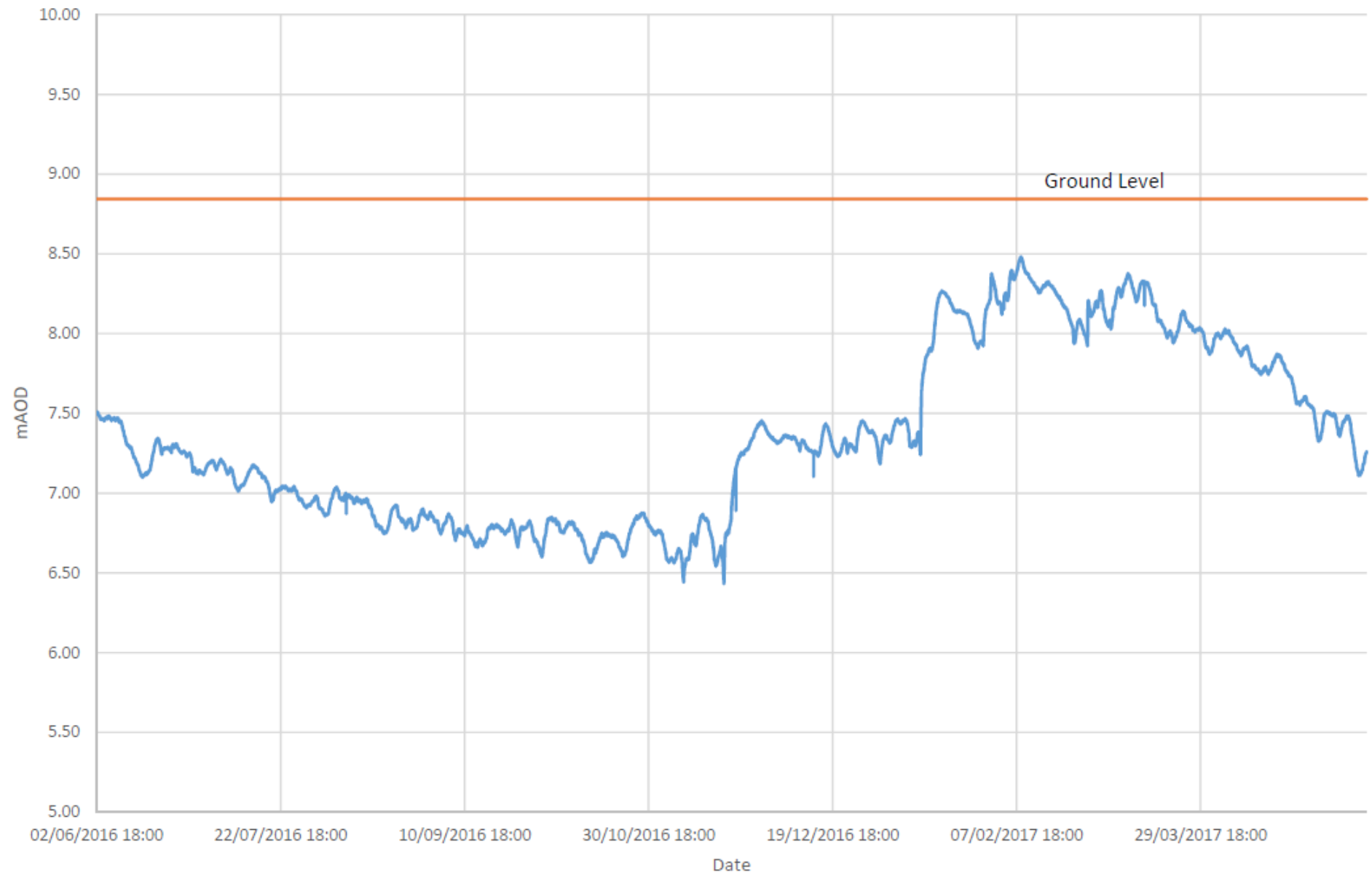
	WYG Environment part of the WYG group				Window Sample Log				
	Job Number: A076162-3 Project: Barnham Eastergate Westergate Site Location: Barnham Client: BEW Property Consortium				Location Reference WS8 Sheet 1 of 1 Co-ordinates: 494242E - 103737N Ground Level: 3.486 Start Date: 25/05/2016 Finish Date: 25/05/2016 Logged By : SJR Drilled By : RP Drilling Method: Window Sampling				
Stratum Description	Legend	Reduced Level (mOD)	Depth (m)	Casing Diameter (mm) Depth (m)	Water Strike (m)	Installation and Backfill Details	Samples and In Situ Testing		
							Depth (m)	Type	In Situ Test Results
Soft brown slightly sandy slightly gravelly SILT with frequent roots and rootlets. Sand is fine to coarse. Gravel is subangular to subrounded fine to medium flint (TOPSOIL)		3.24	0.25				0.20	ES 1	
Soft light brown slightly gravelly sandy SILT. Sand is fine to coarse. Gravel is subangular to subrounded fine to medium flint. (ALLUVIUM)		2.59	0.90						
Firm brown slightly sandy CLAY. Sand is fine to medium. (ALLUVIUM)							1.40	ES 2	
Stiff blue grey slightly sandy CLAY. Sand is fine to medium. (LONDON CLAY FORMATION)		-0.01	3.50				4.00-5.00	B 1	
Window Sample hole completed at 5.00 m		-1.51	5.00						
Installation/ Backfill Details: On completion window sample installed with 63mm diameter HDPE pipe with slotted/gravel section between 1.00 and 5.00m bgl. Install completed with concreted upstanding cover.				Groundwater Observations During Drilling					
Additional Details: Drilling location scanned with a CAT scanner and a starter pit hand excavated to 1.20m depth before drilling.				Strike encountered at depth (m)	Casing Depth (m)	Rising to depth (m)	Over monitoring period (mins)	Depth sealed by casing (m)	
				Checked: AH		Verified: AH			

	WYG Environment part of the WYG group				Window Sample Log			
	Job Number: A076162-3 Project: Barnham Eastergate Westergate Site Location: Barnham Client: BEW Property Consortium				Location Reference WS9 Sheet 1 of 1 Co-ordinates: 494687E - 103817N Ground Level: 8.844 Start Date: 23/05/2016 Finish Date: 23/05/2016 Logged By :SJR Drilled By : RP Drilling Method: Window Sampling			
Stratum Description	Legend	Reduced Level (mOD)	Depth (m)	Casing Diameter (mm) Depth(m)	Water Strike (m)	Installation and Backfill Details	Samples and In Situ Testing	
							Depth (m)	Type
Soft brown sandy SILT with frequent roots and rootlets. Sand is fine to coarse. (TOPSOIL)		8.59	0.25	1.10		0.40	ES 1	
Soft yellow brown sandy silty CLAY. Sand is fine to medium. (RIVER TERRACE DEPOSITS)		7.84	1.00					
Brown slightly silty slightly gravelly SAND Sand is fine to medium. Gravel is subangular fine to medium flint. (RIVER TERRACE DEPOSITS)								
Very stiff blue grey CLAY. (LONDON CLAY FORMATION)		5.79	3.05					
Window Sample hole completed at 5.00 m		3.84	5.00					
Installation/ Backfill Details: On completion window sample installed with 63mm diameter HDPE pipe with slotted/gravel section between 1.00 and 5.00m bgl. Install completed with concreted upstanding cover.				Groundwater Observations During Drilling				
Additional Details: Drilling location scanned with a CAT scanner and a starter pit hand excavated to 1.20m depth before drilling.				Strike encountered at depth (m)	Casing Depth (m)	Rising to depth (m)	Over monitoring period (mins)	Depth sealed by casing (m)
				1.10	-	-	5	-
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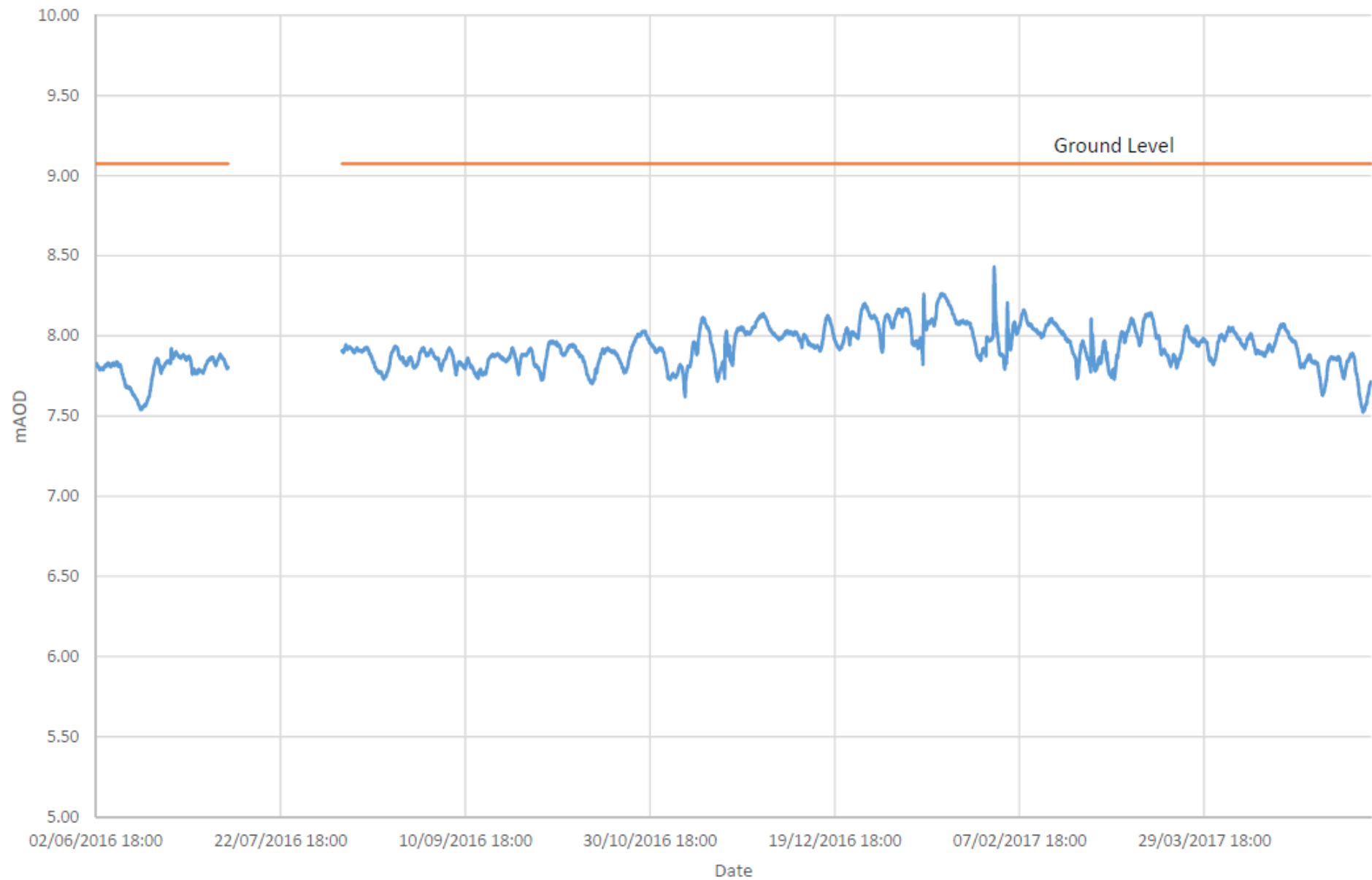
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	Job Number: A076162-3 Project: Barnham Eastergate Westergate Site Location: Barnham Client: BEW Property Consortium				Location Reference WS10 Sheet 1 of 1 Co-ordinates: 494903E - 103603N Ground Level: 5.037 Start Date: 25/05/2016 Finish Date: 25/05/2016 Logged By : SJR Drilled By : RP Drilling Method: Window Sampling					
Stratum Description	Legend	Reduced Level (mOD)	Depth (m)	Casing Diameter (mm) Depth (m)	Water Strike (m)	Installation and Backfill Details	Samples and In Situ Testing			
							Depth (m)	Type	In Situ Test Results	
Grass over soft brown slightly sandy slightly gravelly SILT. Sand is fine to medium. Gravel is subangular to subrounded fine to medium flint. (TOPSOIL)		4.79	0.25				0.60	ES 1		
		4.49	0.55							
Soft brown slightly sandy very gravelly CLAY. Sand is fine to coarse. Gravel is fine to coarse subangular to subrounded flint. (ALLUVIUM)										
Soft brown sandy CLAY. Sand is fine to medium. (ALLUVIUM)		3.74	1.30					1.60	ES 2	
Firm brown sandy CLAY. Sand is fine to medium (LONDON CLAY FORMATION)										
		2.04	3.00							
Firm becoming stiff blue grey sandy CLAY. Sand is fine to medium. (LONDON CLAY FORMATION)										
		0.04	5.00					4.00-5.00	B 1	
Window Sample hole completed at 5.00 m										
Installation/ Backfill Details: On completion window sample installed with 63mm diameter HDPE pipe with slotted/gravel section between 1.00 and 5.00m bgl. Install completed with concreted upstanding cover.				Groundwater Observations During Drilling						
				Strike encountered at depth (m)	Casing Depth (m)	Rising to depth (m)	Over monitoring period (mins)	Depth sealed by casing (m)		
Additional Details: Drilling location scanned with a CAT scanner and a starter pit hand excavated to 1.20m depth before drilling.				Checked: AH			Verified: AH			

	WYG Environment part of the WYG group				Window Sample Log				
	Job Number: A076162-3 Project: Barnham Eastergate Westergate Site Location: Barnham Client: BEW Property Consortium				Location Reference WS11 Sheet 1 of 1 Co-ordinates: 493840E - 103561N Ground Level: 9.499 Start Date: 25/05/2016 Finish Date: 25/05/2016 Logged By : SJR Drilled By : RP Drilling Method: Window Sampling				
Stratum Description	Legend	Reduced Level (mOD)	Depth (m)	Casing Diameter (mm) Depth (m)	Water Strike (m)	Installation and Backfill Details	Samples and In Situ Testing		
							Depth (m)	Type	In Situ Test Results
Soft brown slightly gravelly sandy SILT. Sand is fine to coarse. Gravel is fine to medium, subangular to subrounded flint. (TOPSOIL)		9.20	0.30				0.50	ES 1	
Soft to firm yellow brown slightly gravelly sandy CLAY. Sand is fine to coarse. Gravel is subangular fine to medium flint. (RIVER TERRACE DEPOSITS)		7.60	1.90		2.00		2.00	ES 2	
Yellow brown fine to medium SAND. (RIVER TERRACE DEPOSITS)		5.95	3.55				4.00-5.00	B 1	
Yellow brown very gravelly SAND. Sand is fine to coarse. Gravel is subangular fine flint. (RIVER TERRACE DEPOSITS)		4.50	5.00						
Window Sample hole completed at 5.00 m									
Installation/ Backfill Details: On completion window sample installed with 63mm diameter HDPE pipe with slotted/gravel section between 1.00 and 5.00m bgl. Install completed with concreted upstanding cover.				Groundwater Observations During Drilling					
Additional Details: Drilling location scanned with a CAT scanner and a starter pit hand excavated to 1.20m depth before drilling.				Strike encountered at depth (m)	Casing Depth (m)	Rising to depth (m)	Over monitoring period (mins)	Depth sealed by casing (m)	
				2.00	-	-	0	-	
				Checked: AH			Verified: AH		

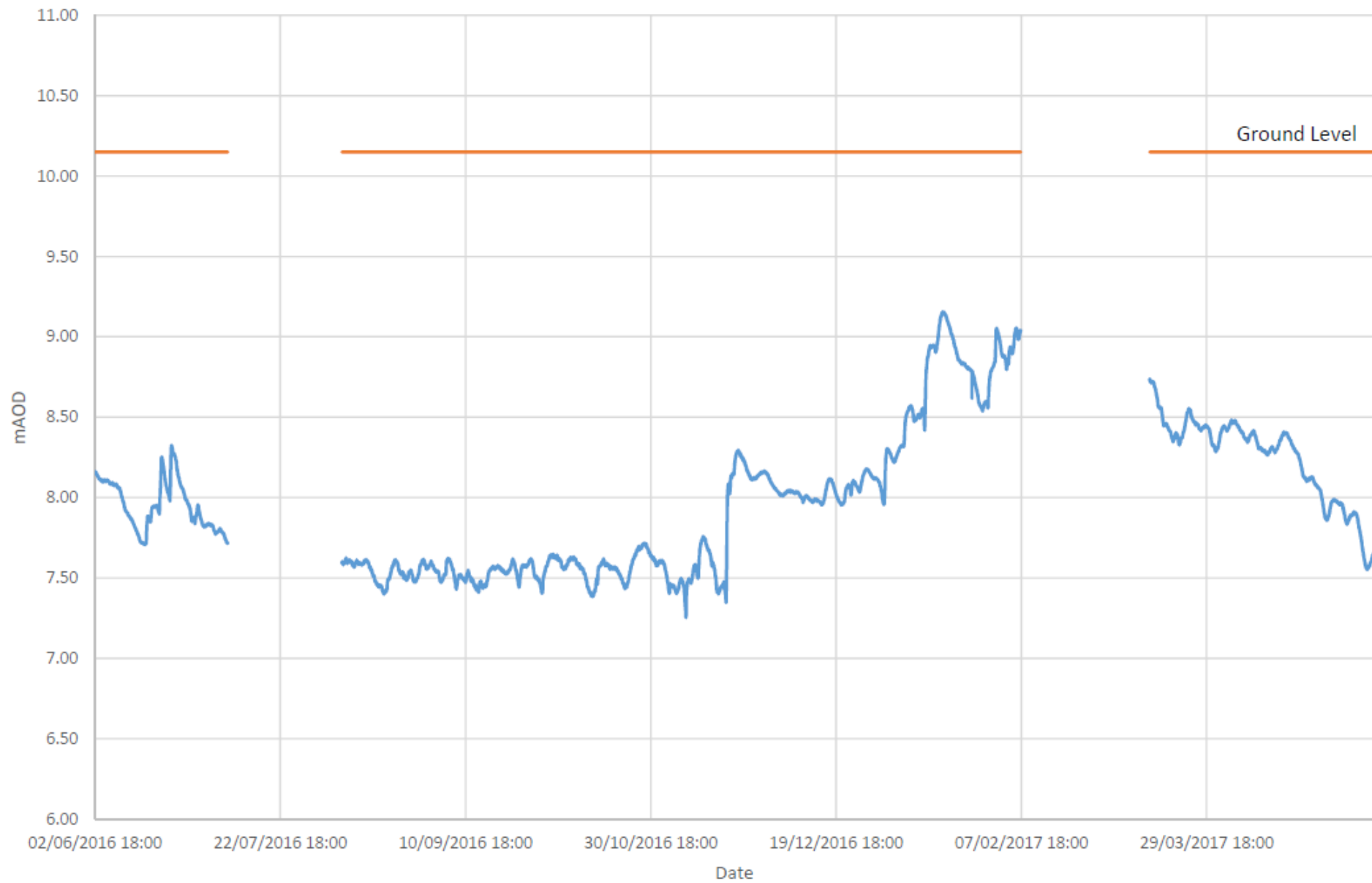
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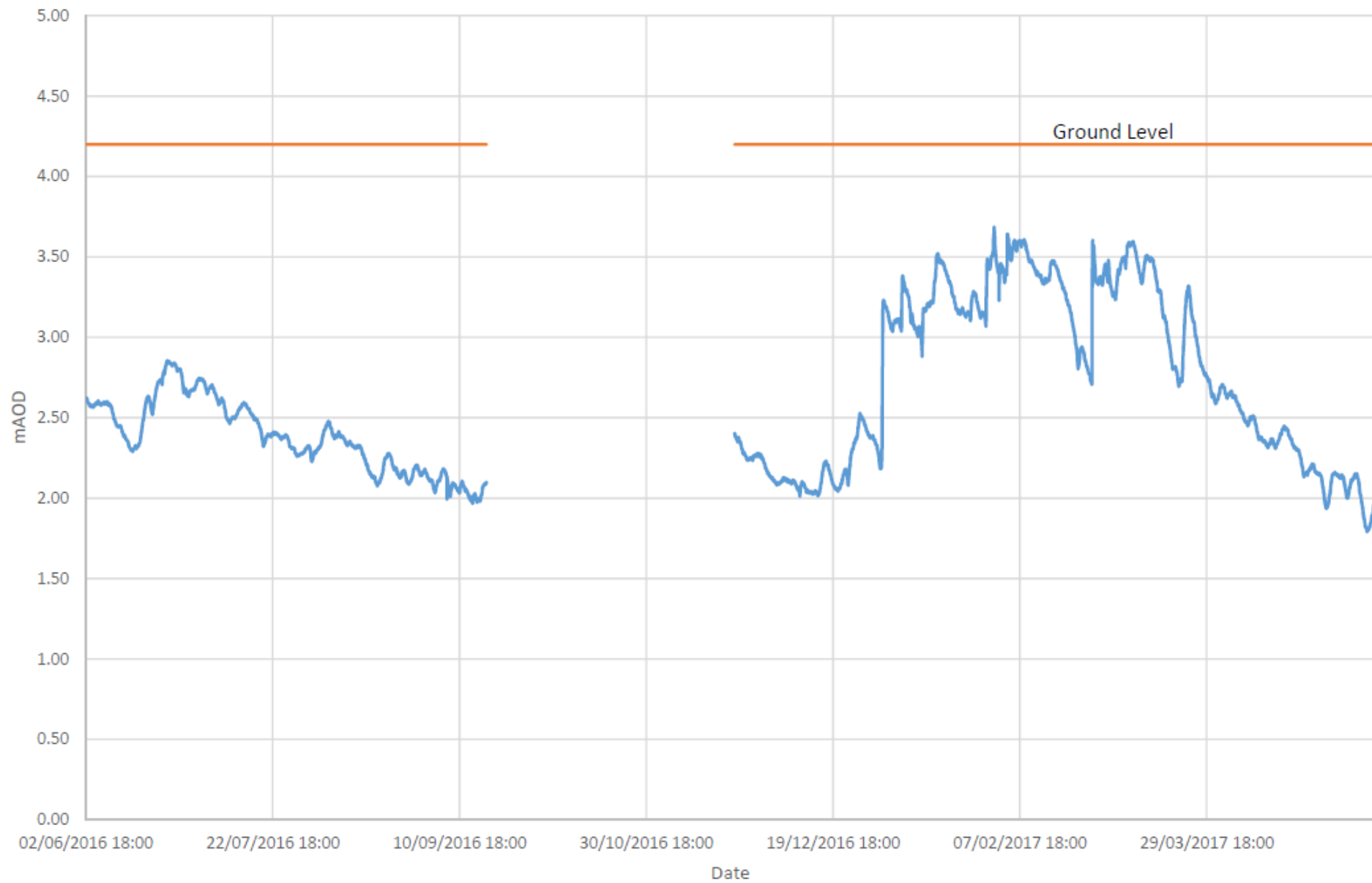
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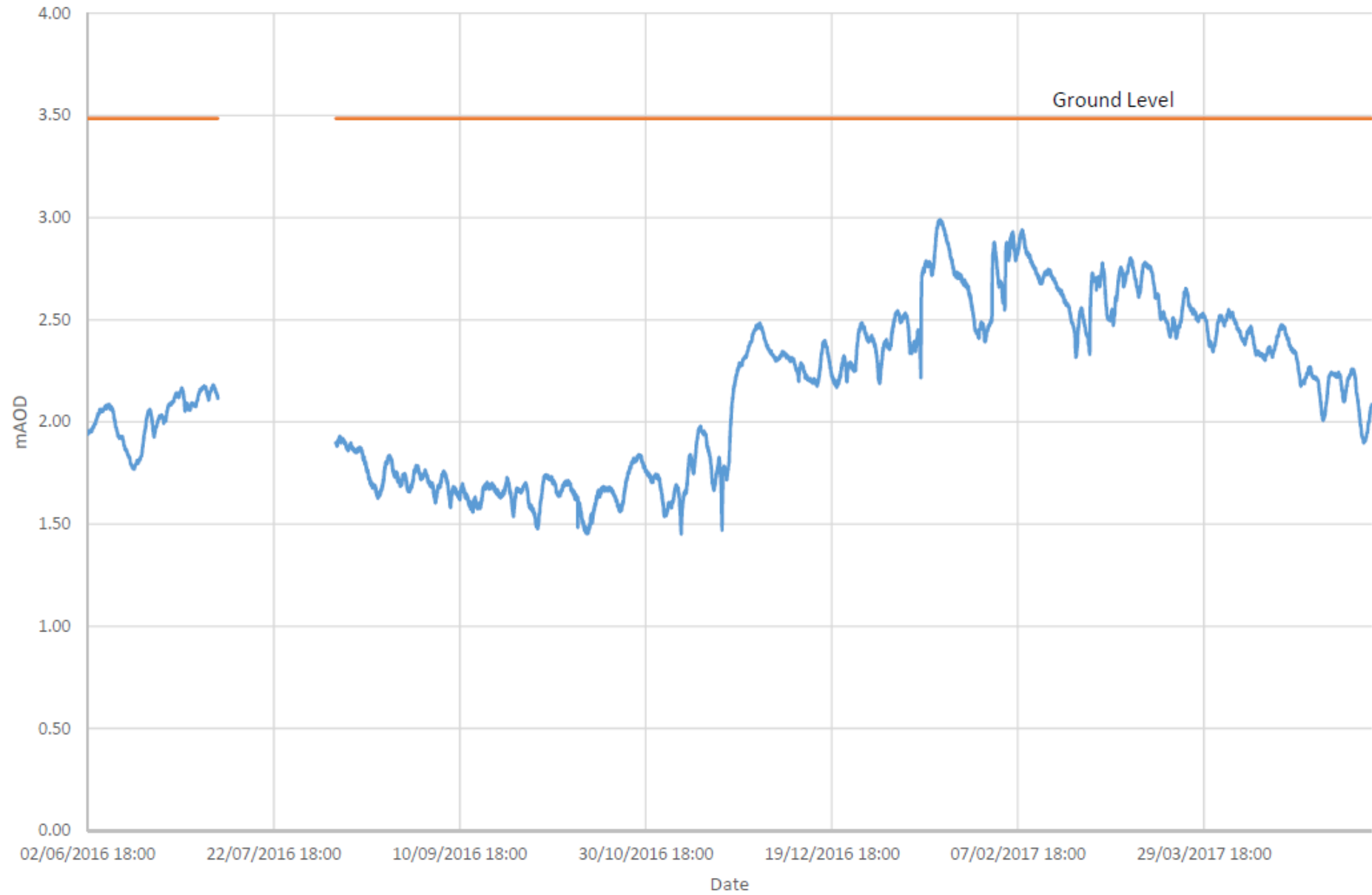
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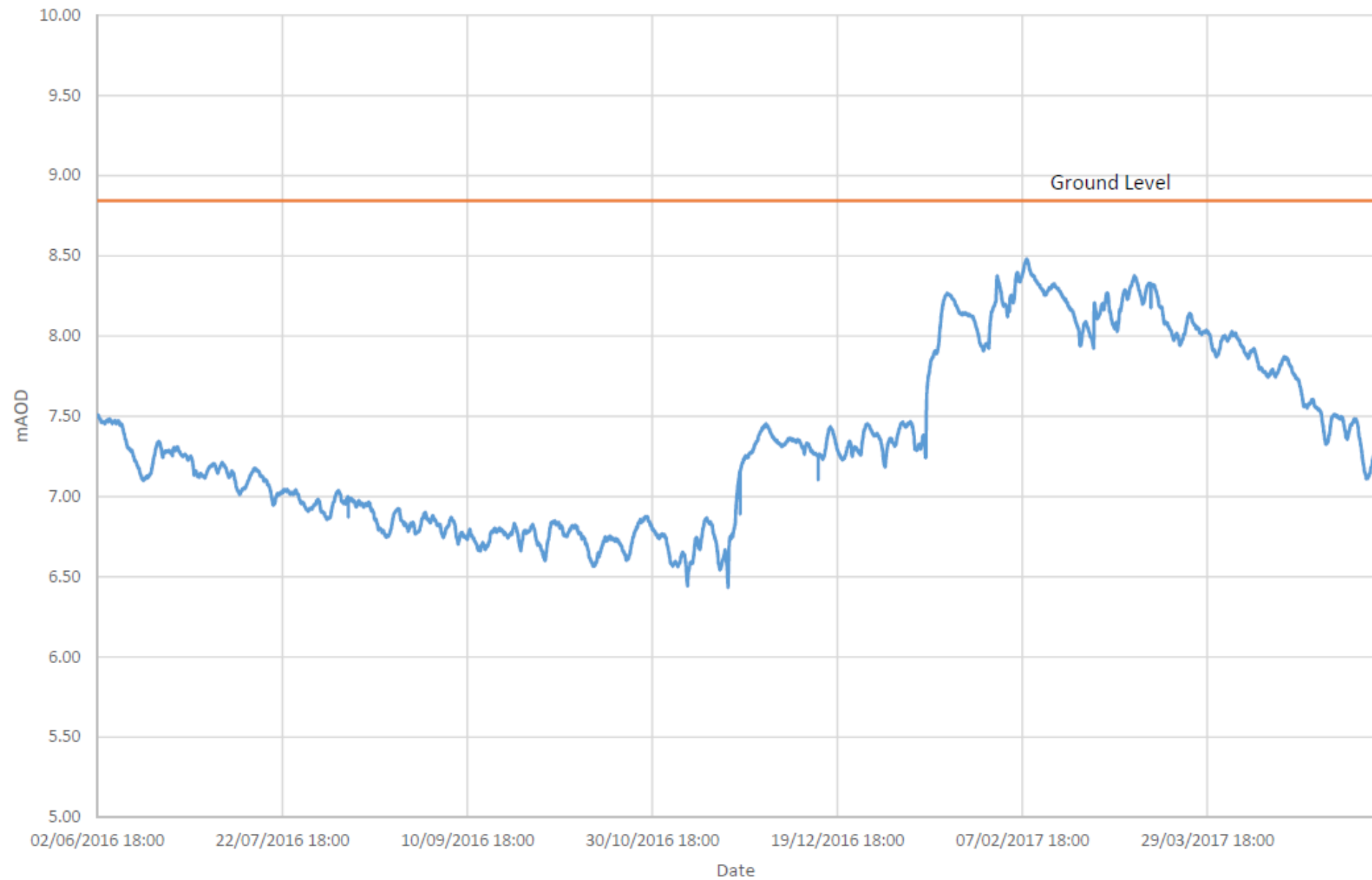
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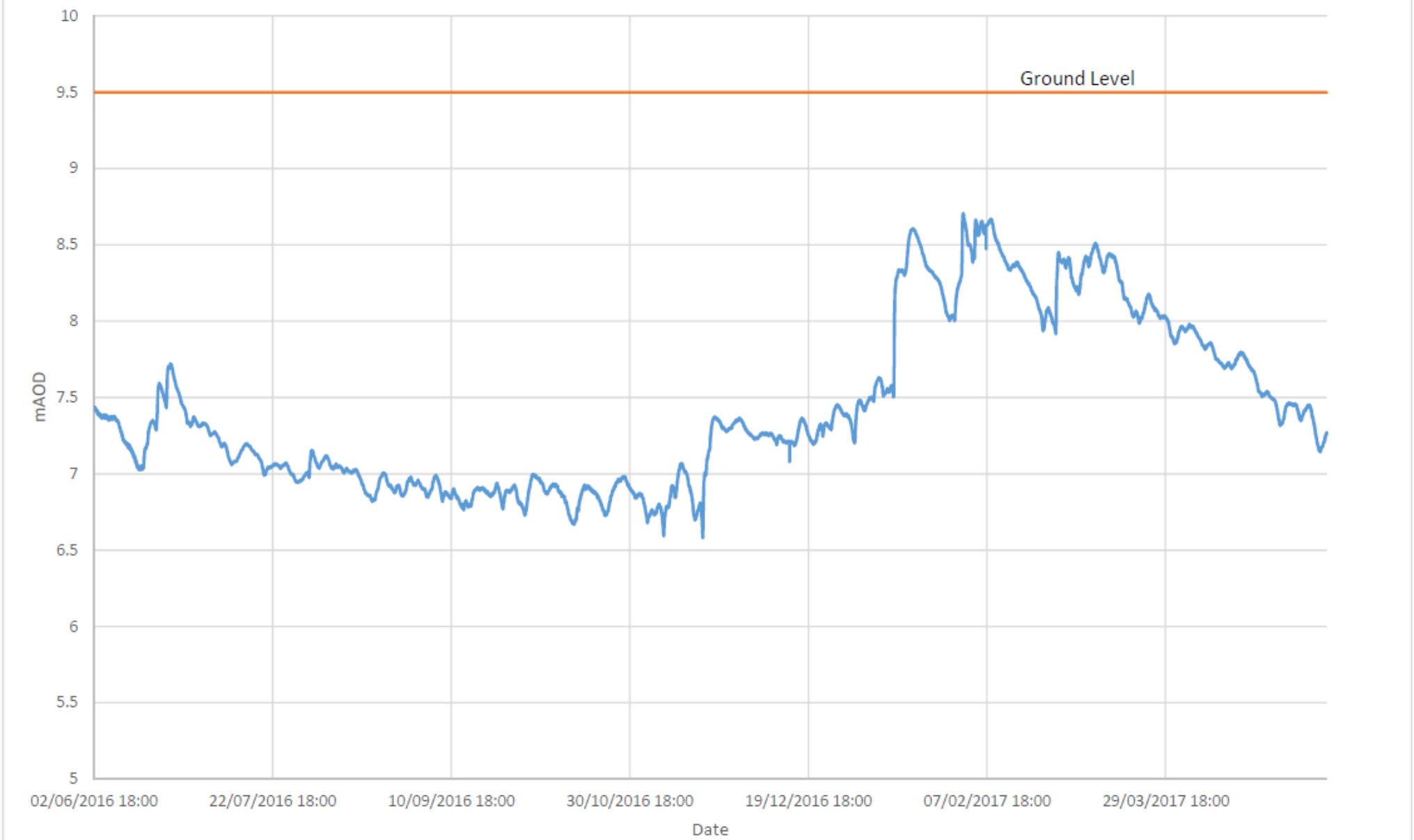
WS8 - Groundwater Level



WS9 - Groundwater Level



WS11 - Groundwater Level





DO NOT SCALE: CONTRACTOR TO CHECK ALL DIMENSIONS AND REPORT ANY OMISSIONS OR ERRORS

KEY



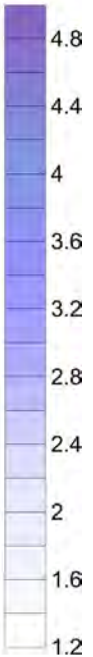
SITE BOUNDARY



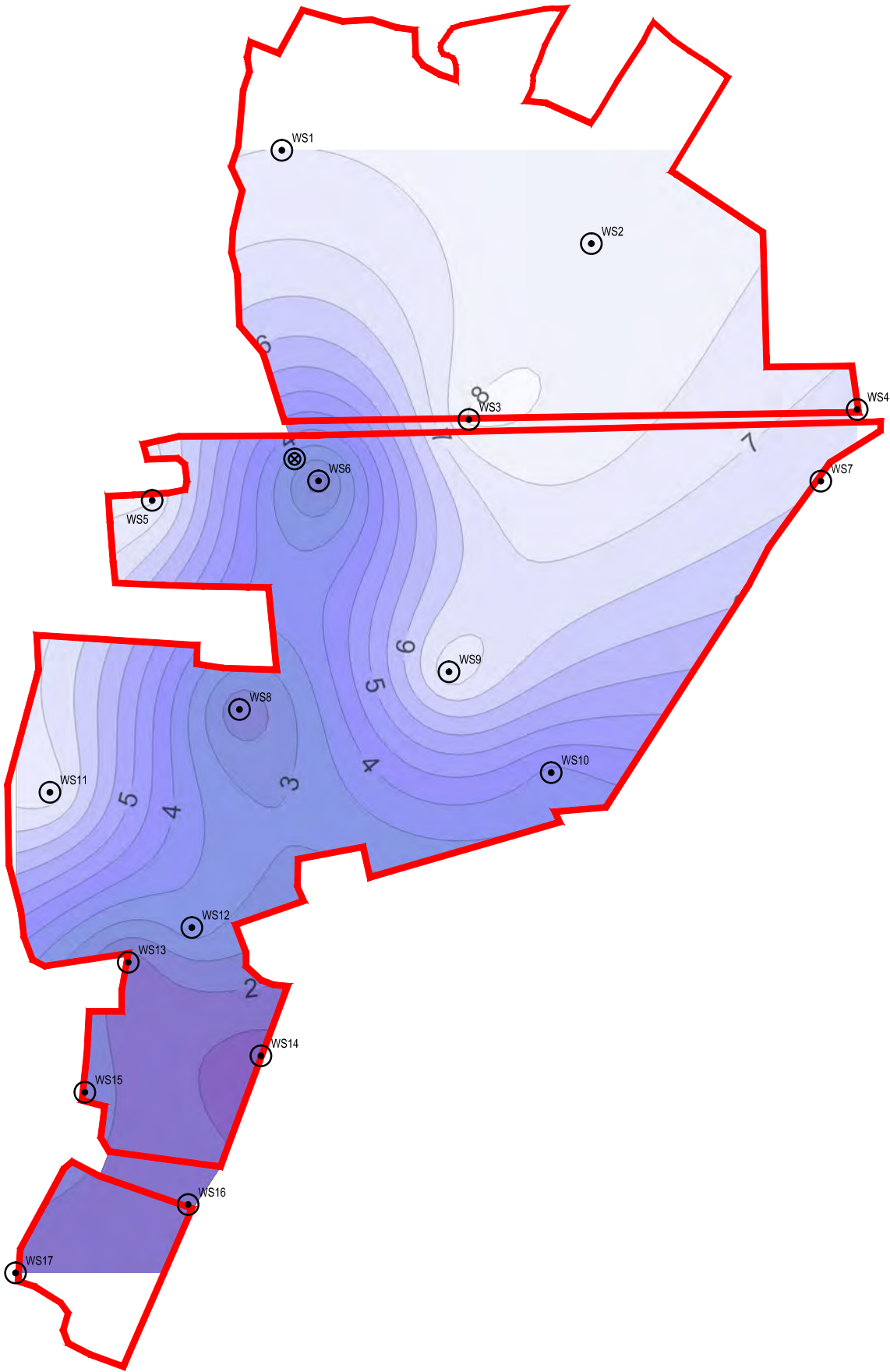
WINDOW SAMPLE



DATA LOGGER IN STREAM



CONTOURS mAOd



REV	DESCRIPTION	BY	CHK	APP	DATE
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Client:

BEW CONSORTIUM

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Project: A076162-3

BARNHAM EASTGATE WESTGATE

Drawing Title:

GROUNDWATER CONTOURS - 05.06.2016 mAOd

Scale @ A3 1:12,500	Drawn CM	Date 22.09.17	Checked SAE	Date 01.12.17	Approved NB	Date 01.12.17
Project No. A076162-3	Office LDN	Type N	Drawing No. 04	Revision		



DO NOT SCALE: CONTRACTOR TO CHECK ALL DIMENSIONS AND REPORT ANY OMISSIONS OR ERRORS

KEY



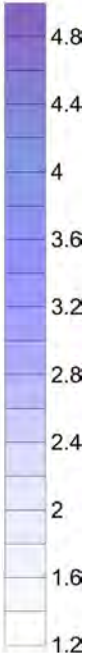
SITE BOUNDARY



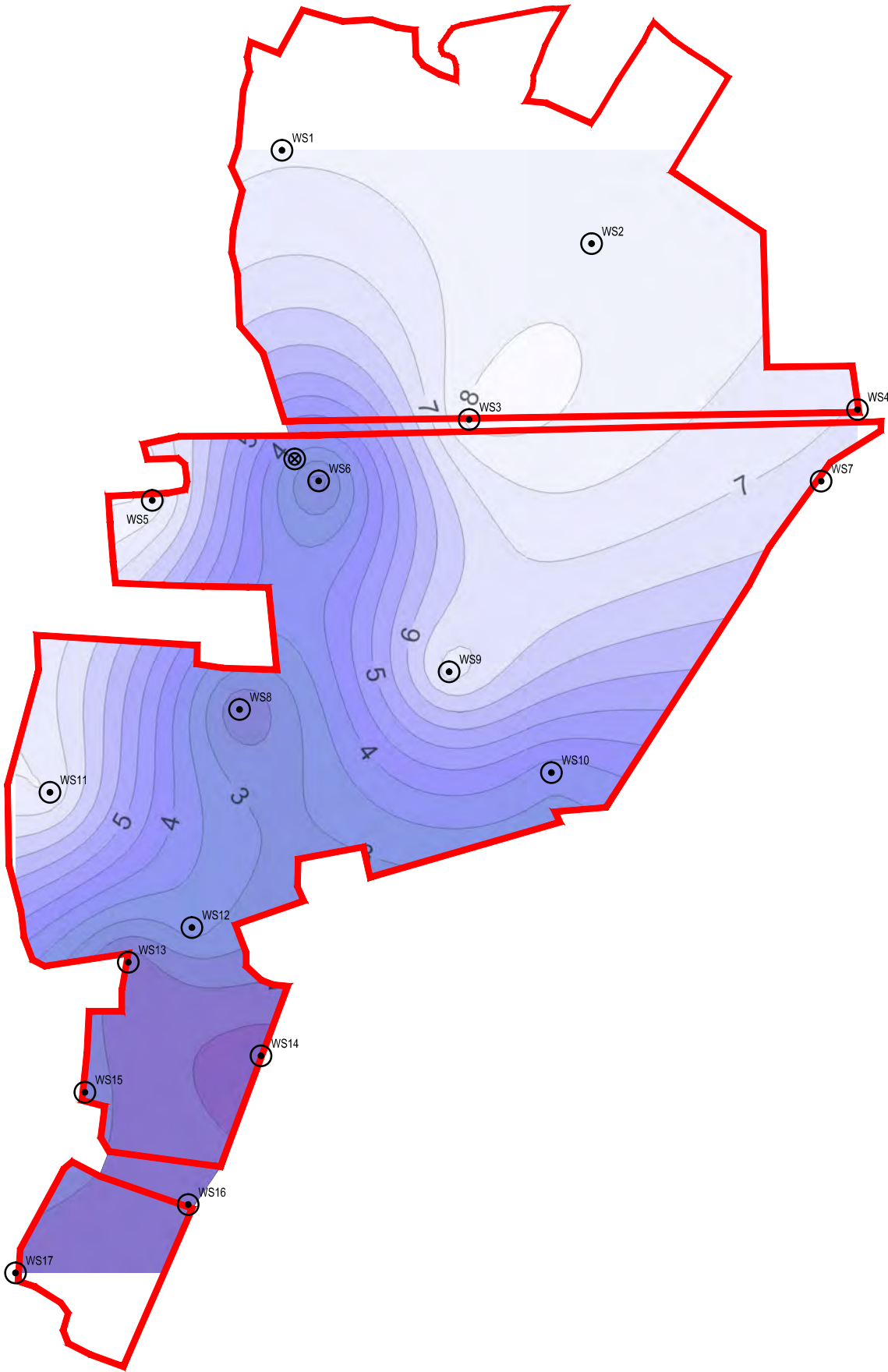
WINDOW SAMPLE



DATA LOGGER IN STREAM



CONTOURS mAOd



REV	DESCRIPTION	BY	CHK	APP	DATE
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Client:

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Project: A076162-3

BARNHAM EASTGATE WESTGATE

Drawing Title:

GROUNDWATER CONTOURS - 20.06.2016 mAOd

Scale @ A3 1:12,500	Drawn CM	Date 22.09.17	Checked SAE	Date 01.12.17	Approved NB	Date 01.12.17
Project No. A076162-3	Office LDN	Type N	Drawing No. 05	Revision		

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DO NOT SCALE: CONTRACTOR TO CHECK ALL DIMENSIONS AND REPORT ANY OMISSIONS OR ERRORS

KEY



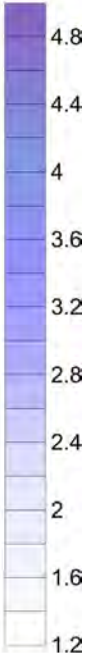
SITE BOUNDARY



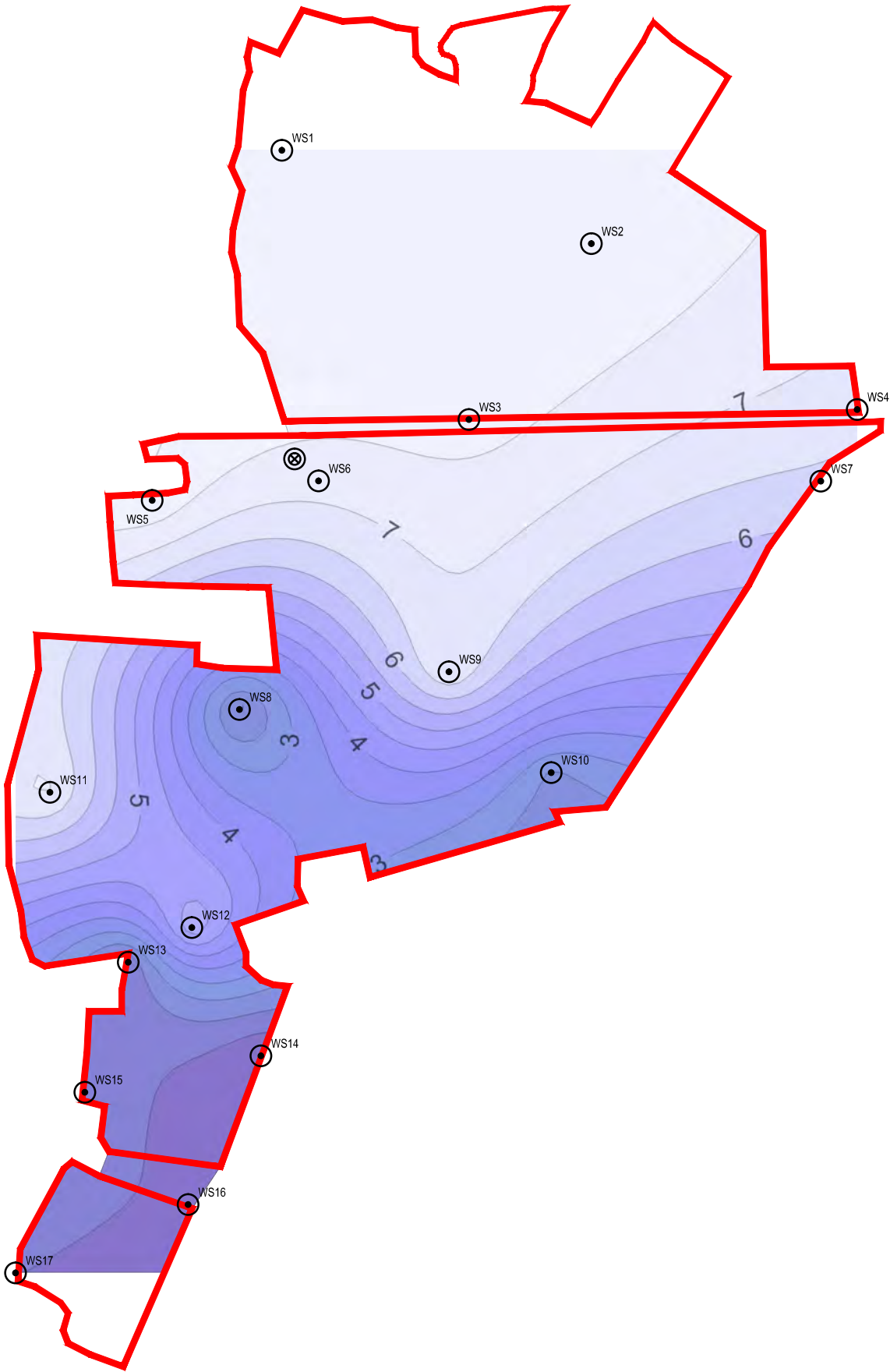
WINDOW SAMPLE



DATA LOGGER IN STREAM



CONTOURS mAOd



REV	DESCRIPTION	BY	CHK	APP	DATE
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Client:

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Project: A076162-3

BARNHAM EASTGATE WESTGATE

Drawing Title:

GROUNDWATER CONTOURS - 02.08.2016 mAOd

Scale @ A3 1:12,500	Drawn CM	Date 22.09.17	Checked SAE	Date 01.12.17	Approved NB	Date 01.12.17
Project No. A076162-3	Office LDN	Type N	Drawing No. 06	Revision		



DO NOT SCALE: CONTRACTOR TO CHECK ALL DIMENSIONS AND REPORT ANY OMISSIONS OR ERRORS

KEY



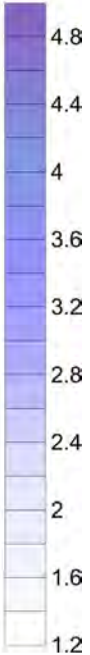
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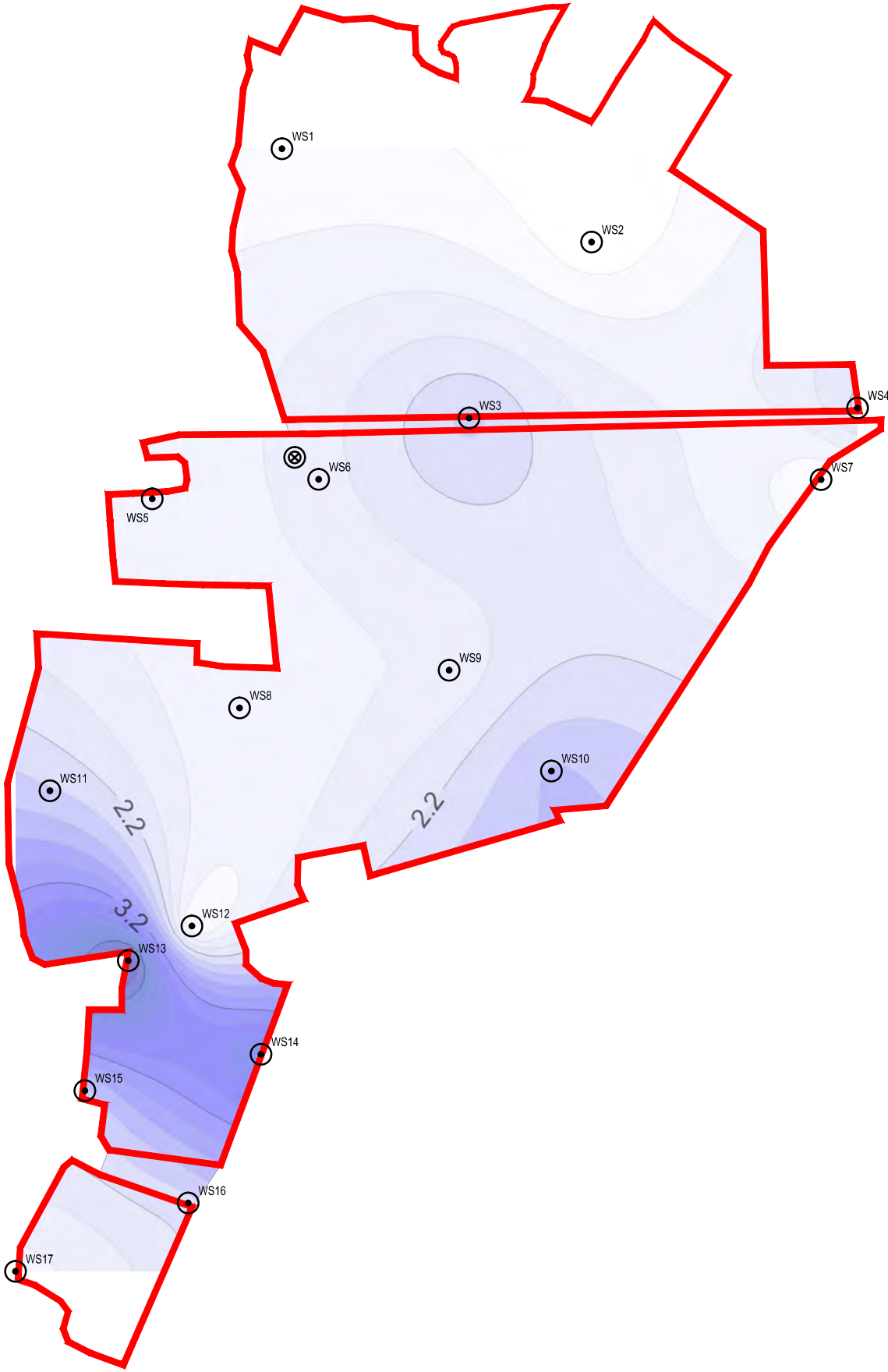
WINDOW SAMPLE



DATA LOGGER IN STREAM



CONTOURS mAOd



REV	DESCRIPTION	BY	CHK	APP	DATE
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Client:

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Project: A076162-3

BARNHAM EASTGATE WESTGATE

Drawing Title:

GROUNDWATER CONTOURS - 02.08.2015 mBGL

Scale @ 1:12,500	A3	Drawn CM	Date 22.09.17	Checked SAE	Date 01.12.17	Approved NB	Date 01.12.17
Project No. A076162-3	Office LDN	Type N	Drawing No. 07	Revision			