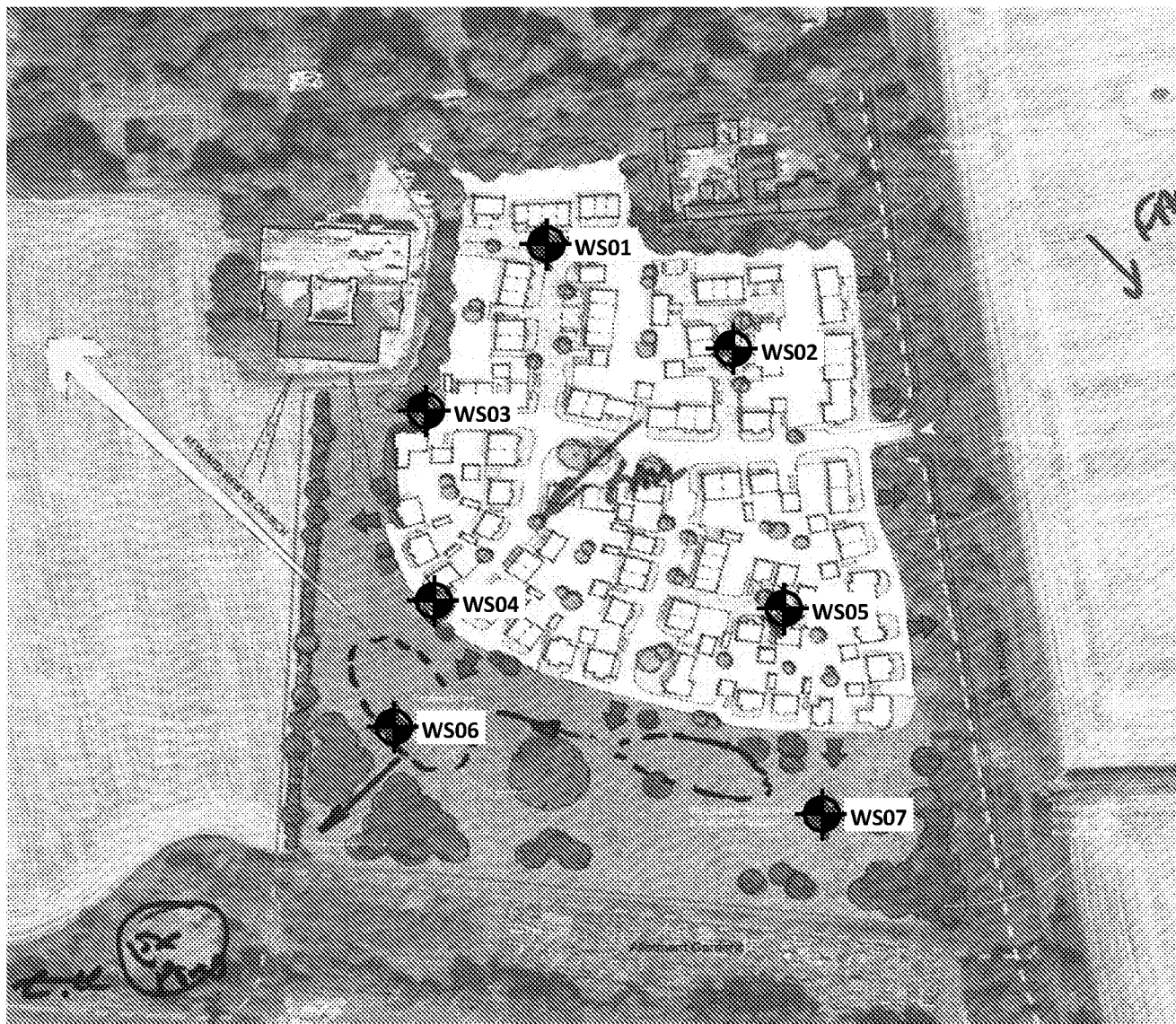


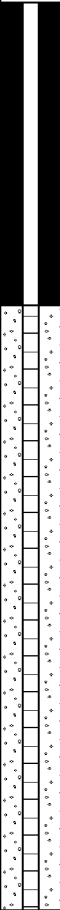
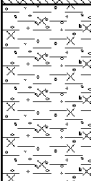
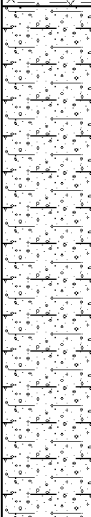
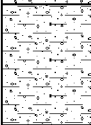


Project:	Yapton Lane, Walberton BN18 0AS			Title	Proposed Exploartory Hole Locations	
Client:	LandQuest UK			Geo-Environmental Services Ltd Unit 7 Danworth Farm, Cuckfield Road Hurstpierpoint, West Sussex BN6 9GL +44(0)1273 832972 www.gesl.net  Geo-Environmental		
Ref No:	GE19427	Revision:	0			
Drawn:	LL	Date:	19/11/2020			
Figure:	1	Scale:	NTS			



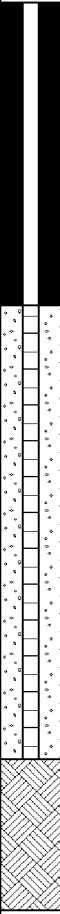
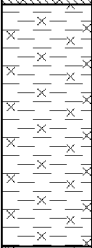
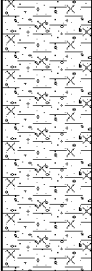
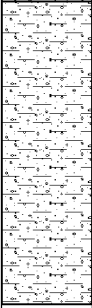
Geo-Environmental

 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net		Borehole Log				Borehole No. WS1	
Project Name: Yapton Lane, Walberton		Project No. GE19427		Co-ords: 497535E - 105635N		Hole Type WLS	
Location: Yapton Lane, Walberton BN18 0AS				Level: 13.67		Scale 1:25	
Client: LandQuest UK				Dates: 24/11/2020		Logged By RG	

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description																							
		Depth (m)	Type	Results																											
		0.40	PP	2.0kg/cm2	0.30	13.37		Crops over brown slightly sandy slightly gravelly CLAY with frequent rootlets. Sand is fine. Gravel is fmc angular to subangular flint. TOPSOIL	1																						
		0.80	PP	2.0kg/cm2	0.90	12.77		Stiff brown silty slightly gravelly CLAY. Gravel is fine to medium angular to subangular flint. RIVER TERRACE DEPOSITS																							
		1.00	S	N=46 (9,17/13,13,13,7)			2.60	11.07		Brown, light brown and cream clayey slightly sandy fmc angular to subangular flint GRAVEL. Sand is coarse angular flint RIVER TERRACE DEPOSITS	2																				
		2.00	S	N=17 (5,6/5,4,4,4)																											
		2.70	PP	3.0kg/cm2																											
		2.90	PP	3.0kg/cm2	3.00	10.67		Stiff becoming very stiff yellowish brown and cream sandy slightly gravelly CLAY. Sand is fine. Gravel is fine to medium angular flint. RIVER TERRACE DEPOSITS	3																						
	3.00	S	N=36 (10,10/8,9,8,11)	End of Borehole at 3.00m																											
<table border="1"> <tr> <th colspan="2">Casing</th> <th colspan="2">Water Strikes (mbgl)</th> <th colspan="2">Chiselling (mbgl)</th> </tr> <tr> <th>Diameter</th> <th>Depth (m)</th> <th>Depth Strike</th> <th>Rose to</th> <th>Depth from</th> <th>Depth to</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table> <table border="1"> <tr> <th colspan="2">Remarks</th> </tr> <tr> <td> </td> <td> </td> </tr> </table>										Casing		Water Strikes (mbgl)		Chiselling (mbgl)		Diameter	Depth (m)	Depth Strike	Rose to	Depth from	Depth to							Remarks			
Casing		Water Strikes (mbgl)		Chiselling (mbgl)																											
Diameter	Depth (m)	Depth Strike	Rose to	Depth from	Depth to																										
Remarks																															



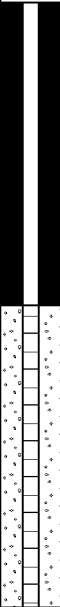
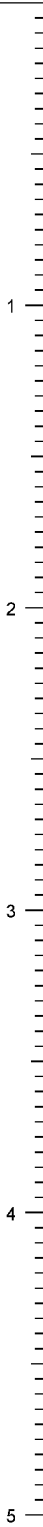
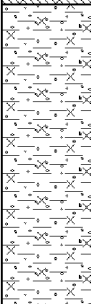
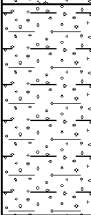
 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net		Borehole Log				Borehole No. WS2 Sheet 1 of 1	
Project Name: Yapton Lane, Walberton		Project No. GE19427		Co-ords: 497609E - 105597N		Hole Type WLS	
Location: Yapton Lane, Walberton BN18 0AS				Level: 13.63		Scale 1:25	
Client: LandQuest UK				Dates: 24/11/2020		Logged By RG	

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.30	13.33		Crops over brown silty slightly gravelly CLAY with frequent rootlets. Gravel is fine to medium angular to subangular flint. TOPSOIL	1
	0.40	PP	1.5kg/cm2					Firm brown slightly silty CLAY. RIVER TERRACE DEPOSITS	
	0.60	PP	1.5kg/cm2						
	0.80	PP	1.5kg/cm2						
	1.00	PP	1.5kg/cm2					Stiff brown, light brown, yellowish brown and cream silty sandy very gravelly CLAY. Sand is fmc of flint and chalk. Gravel is fmc angular to subangular flint. RIVER TERRACE DEPOSITS	2
	1.00	S	N=56 (7,12/14,16,12,14)	1.10	12.53				
	2.00	S	N=8 (2,2/2,2,2,2)	2.00	11.63			Soft light yellowish brown, yellow and cream sandy gravelly CLAY. Sand is fmc of flint and chalk. Gravel is fmc angular to subangular flint. RIVER TERRACE DEPOSITS	3
	3.00	S	N=2 (1,0/1,0,1,0)	3.00	10.63				
End of Borehole at 3.00m									4
									5

Casing		Water Strikes (mbgl)		Chiselling (mbgl)		Remarks
Diameter	Depth (m)	Depth Strike	Rose to	Depth from	Depth to	
		2.70	2.60			Poor recovery below water table at 2m.



 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net		Borehole Log				Borehole No. WS3 Sheet 1 of 1	
Project Name: Yapton Lane, Walberton		Project No. GE19427		Co-ords: 497495E - 105567N		Hole Type WLS	
Location: Yapton Lane, Walberton BN18 0AS				Level: 13.20		Scale 1:25	
Client: LandQuest UK				Dates: 24/11/2020		Logged By RG	

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.30	12.90		Crops over brown slightly sandy slightly gravelly CLAY with frequent rootlets. Sand is fine. Gravel is fine to medium subangular flint. TOPSOIL	
	0.40	PP	1.5kg/cm2					Firm becoming stiff brown silty slightly gravelly CLAY. Gravel is fine to medium subangular flint. RIVER TERRACE DEPOSITS	
	0.60	PP	1.5kg/cm2						
	0.80	PP	1.5kg/cm2						
	1.00	PP	1.5kg/cm2						
	1.00	S	N=38 (1,3/4,3,15,16)						
		1.20	PP	1.5kg/cm2	1.30	11.90		Light brown, brown and cream very clayey fmc angular to subangular flint GRAVEL. RIVER TERRACE DEPOSITS	
		2.00	S	N=61 (18,19/12,15,18,16)	2.00	11.20			
End of Borehole at 2.00m									2
									3
									4
									5

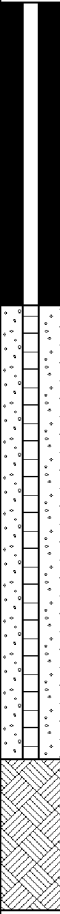
Casing		Water Strikes (mbgl)		Chiselling (mbgl)		Remarks
Diameter	Depth (m)	Depth Strike	Rose to	Depth from	Depth to	
						Refusal at 2.0m



Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net		Borehole Log				Borehole No. WS4	
				Sheet 1 of 1			
Project Name: Yapton Lane, Walberton		Project No. GE19427		Co-ords: 497494E - 105501N		Hole Type WLS	
Location: Yapton Lane, Walberton BN18 0AS				Level: 12.64		Scale 1:25	
Client: LandQuest UK				Dates: 24/11/2020		Logged By RG	

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.30	12.34		Crops over brown silty slightly gravely CLAY with frequent rootlets. Sand is fine. Gravel is fine to medium subangular flint. TOPSOIL	1
		0.40	PP	1.5kg/cm2				Firm becoming stiff brown slightly gravely CLAY. Gravel is fmc angular to subangular flint. RIVER TERRACE DEPOSITS	
		0.70	PP	1.5kg/cm2	0.80	11.84			
		1.00	S	N=36 (14,14/13,10,7,6)				Brown, light brown, grey and cream very clayey slightly sandy fmc angular to subangular flint GRAVEL. Sand is fmc of flint. RIVER TERRACE DEPOSITS	2
		1.95	PP	3.0kg/cm2	1.90	10.74			
		2.00	S	N=11 (4,3/2,2,3,4)	2.00	10.64			
		2.10	PP	0.5kg/cm2				Very stiff light yellowish brown and cream silty sandy slightly gravely CLAY. Sand is fmc of flint and chalk. Gravel is fine to medium angular to subangular flint. RIVER TERRACE DEPOSITS	3
		2.50	PP	0.5kg/cm2				Soft light yellowish brown and cream silty sandy slightly gravely CLAY. Sand is fmc of flint and chalk. Gravel is fine to medium angular to subangular flint. RIVER TERRACE DEPOSITS	
		3.00	PP	0.5kg/cm2	3.00	9.64			
		3.00	S	N=20 (5,7/9,10,1,0)			End of Borehole at 3.00m		
Casing		Water Strikes (mbgl)		Chiselling (mbgl)		Remarks			5
Diameter	Depth (m)	Depth Strike	Rose to	Depth from	Depth to				
		2.00	1.70						

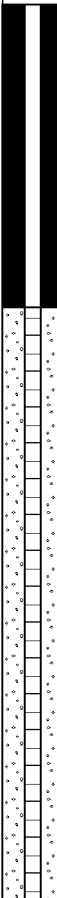
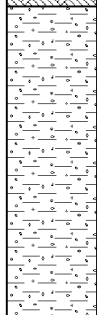
 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net		Borehole Log				Borehole No. WS5 Sheet 1 of 1	
Project Name: Yapton Lane, Walberton		Project No. GE19427		Co-ords: 497608E - 105499N		Hole Type WLS	
Location: Yapton Lane, Walberton BN18 0AS				Level: 13.04		Scale 1:25	
Client: LandQuest UK				Dates: 24/11/2020		Logged By RG	

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.30	12.74		Crops over brown silty slightly gravely CLAY with frequent rootlets. Gravel is fine to medium subangular flint. TOPSOIL	1
	0.40	PP	1.5kg/cm2					Firm brown slightly silty slightly gravely CLAY. Gravel is fine to medium subangular flint. RIVER TERRACE DEPOSITS	
	0.60	PP	1.5kg/cm2						
	0.80	PP	1.5kg/cm2						
	1.00	PP	1.5kg/cm2						
	1.00	S	N=33 (5,12/10,11,6,6)	1.10	11.94		Firm becoming stiff light brown, yellowish brown, brown and cream sandy very gravely CLAY. Sand is fmc of flint and chalk. Gravel is fmc angular to subangular flint. RIVER TERRACE DEPOSITS		
		2.00	S	N=5 (1,0/1,0,2,2)					2
					2.50	10.54			
							No recovery RIVER TERRACE DEPOSITS		
		3.00	S	N=8 (2,2/2,2,2,2)	3.00	10.04		End of Borehole at 3.00m	3
									4
									5

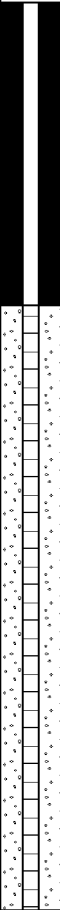
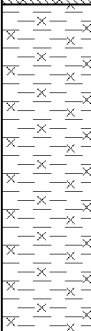
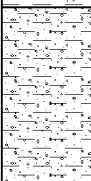
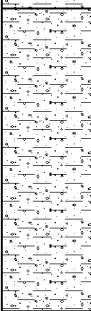
Casing		Water Strikes (mbgl)		Chiselling (mbgl)		Remarks
Diameter	Depth (m)	Depth Strike	Rose to	Depth from	Depth to	
		2.00	2.16			Poor recover below water table.



 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net		Borehole Log				Borehole No. WS6 Sheet 1 of 1	
Project Name: Yapton Lane, Walberton		Project No. GE19427		Co-ords: 497472E - 105450N		Hole Type WLS	
Location: Yapton Lane, Walberton BN18 0AS				Level: 12.50		Scale 1:25	
Client: LandQuest UK				Dates: 24/11/2020		Logged By RG	

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
					0.30	12.20		Crops over brown silty slightly gravely CLAY with frequent rootlets. Gravel is fine to medium subangular flint. TOPSOIL	1	
	0.40	PP	1.5kg/cm2					Firm becoming stiff brown slightly gravely CLAY. Gravel is fmc angular to subangular flint. RIVER TERRACE DEPOSITS		
	0.60	PP	1.8kg/cm2							
	0.80	PP	2.0kg/cm2							
	1.00	PP	2.0kg/cm2							
						1.40	11.10			2
						1.60	10.90		Stiff light brown, cream, yellowish brown and grey sandy very gravely CLAY. Sand is fmc of flint. Gravel is fmc angular to subangular flint. RIVER TERRACE DEPOSITS	
	1.70	PP	3.0kg/cm2					Very stiff light yellowish brown, yellow and cream sandy gravely CLAY. Sand is fmc of flint and chalk. Gravel is fmc angular to subangular flint. RIVER TERRACE DEPOSITS		
	1.90	PP	3.0kg/cm2							
	2.00	S	N=53 (10,14/15,13,12,13)	2.00	10.50			Soft light yellowish brown, yellow and cream sandy gravely CLAY. Sand is fmc of flint and chalk. Gravel is fmc angular to subangular flint. RIVER TERRACE DEPOSITS		
	2.10	PP	0.5kg/cm2							
						2.50				
					3.00	9.50			3	
					3.00					
								End of Borehole at 3.00m	4	
Casing		Water Strikes (mbgl)		Chiselling (mbgl)		Remarks				
Diameter	Depth (m)	Depth Strike	Rose to	Depth from	Depth to					
		2.00	1.58							

 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net		Borehole Log				Borehole No. WS7 Sheet 1 of 1	
Project Name: Yapton Lane, Walberton		Project No. GE19427		Co-ords: 497607E - 105425N		Hole Type WLS	
Location: Yapton Lane, Walberton BN18 0AS				Level: 13.17		Scale 1:25	
Client: LandQuest UK				Dates: 24/11/2020		Logged By RG	

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.30	12.87		Crops over brown silty slightly gravelly CLAY with frequent rootlets. Gravel is fine to medium subangular flint. TOPSOIL	1
	0.40	PP	1.5kg/cm2					Firm brown slightly silty CLAY. RIVER TERRACE DEPOSITS	
	0.60	PP	1.5kg/cm2						
	0.80	PP	1.5kg/cm2						
	1.00	PP	1.5kg/cm2						
	1.00	S	N=20 (2,3/4,5,6,5)						
	1.20	PP	1.5kg/cm2						
	1.30	PP	1.5kg/cm2		1.40	11.77		Firm light brown, yellowish brown and cream slightly sandy gravelly CLAY. Sand is fmc of flint and chalk. Gravel is fmc angular to subangular flint. RIVER TERRACE DEPOSITS	
	2.00	S	N=4 (1,0/0,1,2,1)		2.00	11.17		Soft light yellowish brown, yellow and cream sandy gravelly CLAY. Sand is fmc of flint and chalk. Gravel is fmc angular to subangular flint. RIVER TERRACE DEPOSITS	2
	3.00	S	N=8 (3,2/2,2,2,2)		3.00	10.17	End of Borehole at 3.00m		3
									4
									5

Casing		Water Strikes (mbgl)		Chiselling (mbgl)		Remarks
Diameter	Depth (m)	Depth Strike	Rose to	Depth from	Depth to	
		2.25	2.25			





Geo-Environmental

Borehole Falling Head Test

Geo-Environmental Services Limited
Unit 7 Danworth Farm, Cuckfield Road,
Hurstpierpoint, West Sussex BN6 9GL

Project Name : Yapton Lane, Walberton

Job No. : GE19427

Client : LandQuest UK (Southern Limited)

Date : 27/11/2020

Borehole reference	WS1
Borehole depth (m)	3.00
Borehole Diameter (m)	0.10
Depth to standing water (m)	

Test 1

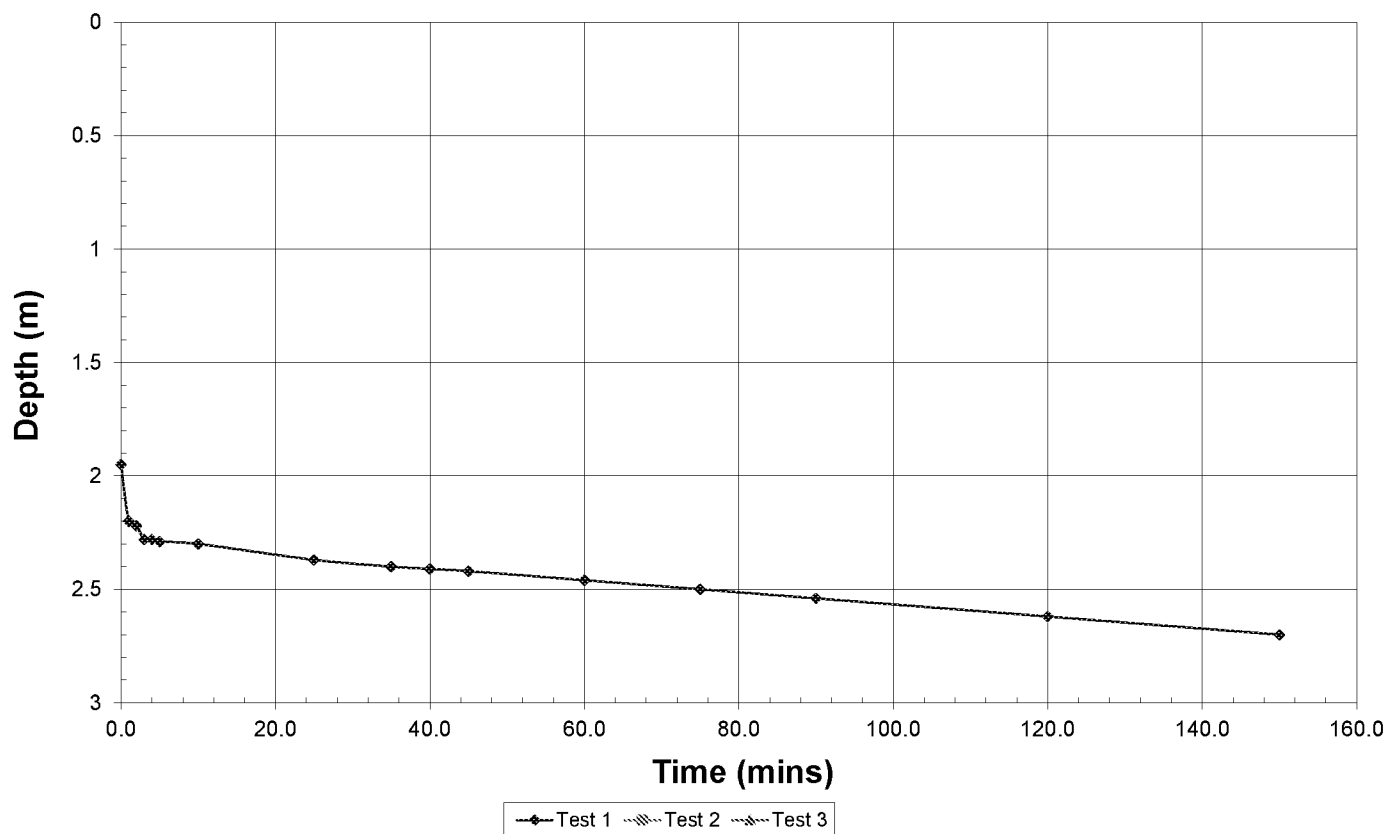
Time (min)	Depth (m)
0.0	1.95
1.0	2.2
2.0	2.22
3.0	2.28
4.0	2.28
5.0	2.29
10.0	2.3
25.0	2.37
35.0	2.4
40.0	2.41
45.0	2.42
60.0	2.46
75.0	2.5
90.0	2.54
120.0	2.62
150.0	2.7

Test 2

Time (min)	Depth (m)

Test 3

Time (min)	Depth (m)





Geo-Environmental

Borehole Falling Head Test

Geo-Environmental Services Limited
Unit 7 Danworth Farm, Cuckfield Road,
Hove, Brighton BN1 6AA

Project Name : Yapton Lane, Walberton

Client : LandQuest UK (Southern Limited)

Job No. : GE19427

Date : 27/11/2020

Borehole reference	WS2
Borehole depth (m)	3.00
Borehole Diameter (m)	0.10
Depth to standing water (m)	2.70

Test 1

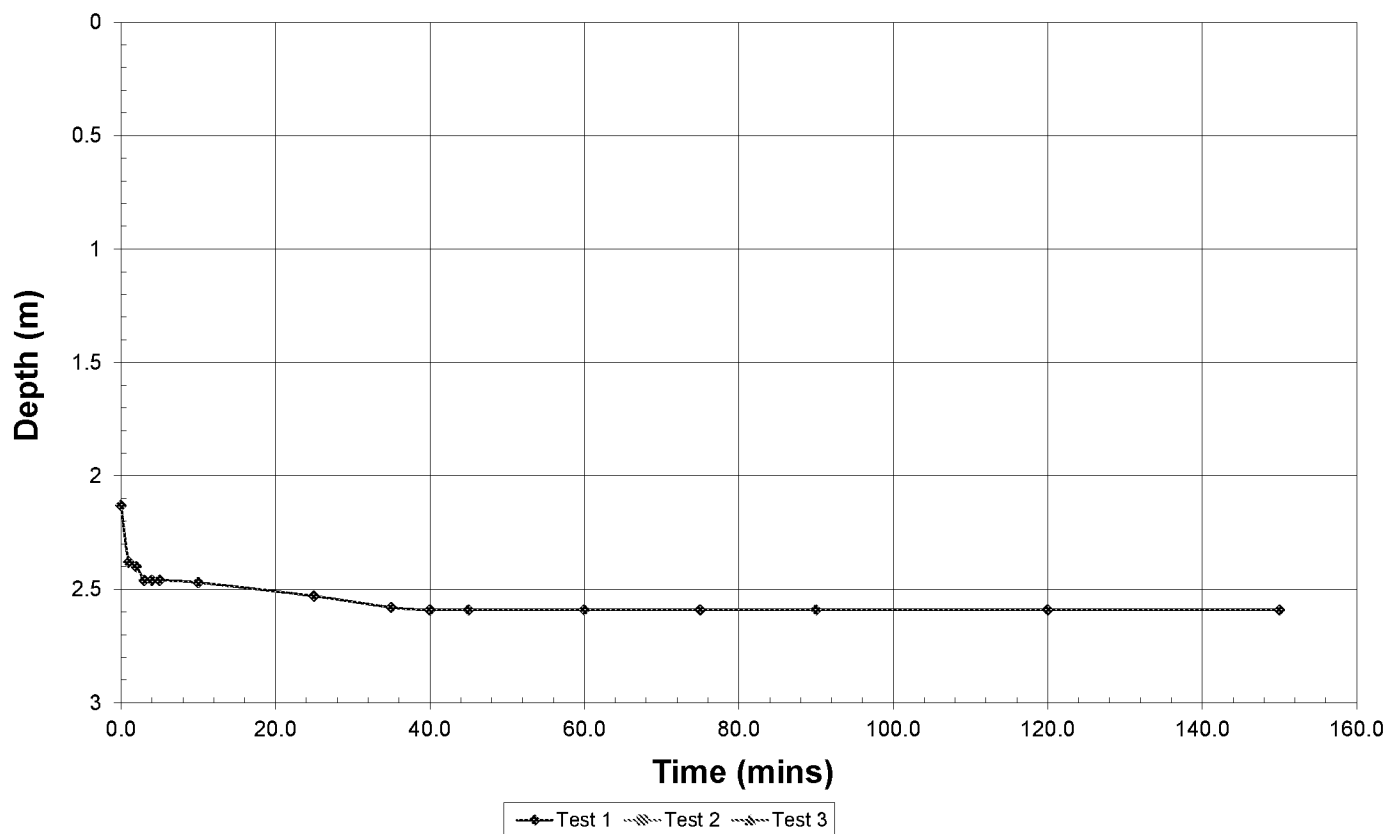
Time (min)	Depth (m)
0.0	2.13
1.0	2.38
2.0	2.4
3.0	2.46
4.0	2.46
5.0	2.46
10.0	2.47
25.0	2.53
35.0	2.58
40.0	2.59
45.0	2.59
60.0	2.59
75.0	2.59
90.0	2.59
120.0	2.59
150.0	2.59

Test 2

Time (min)	Depth (m)

Test 3

Time (min)	Depth (m)





Geo-Environmental

Borehole Falling Head Test

Geo-Environmental Services Limited
Unit 7 Danworth Farm, Cuckfield Road,
Hurstpierpoint, West Sussex BN16 9GL

Project Name : Yapton Lane, Walberton

Client : LandQuest UK (Southern Limited)

Job No. : GE19427

Date : 27/11/2020

Borehole reference	WS3
Borehole depth (m)	2.00
Borehole Diameter (m)	0.10
Depth to standing water (m)	

Test 1

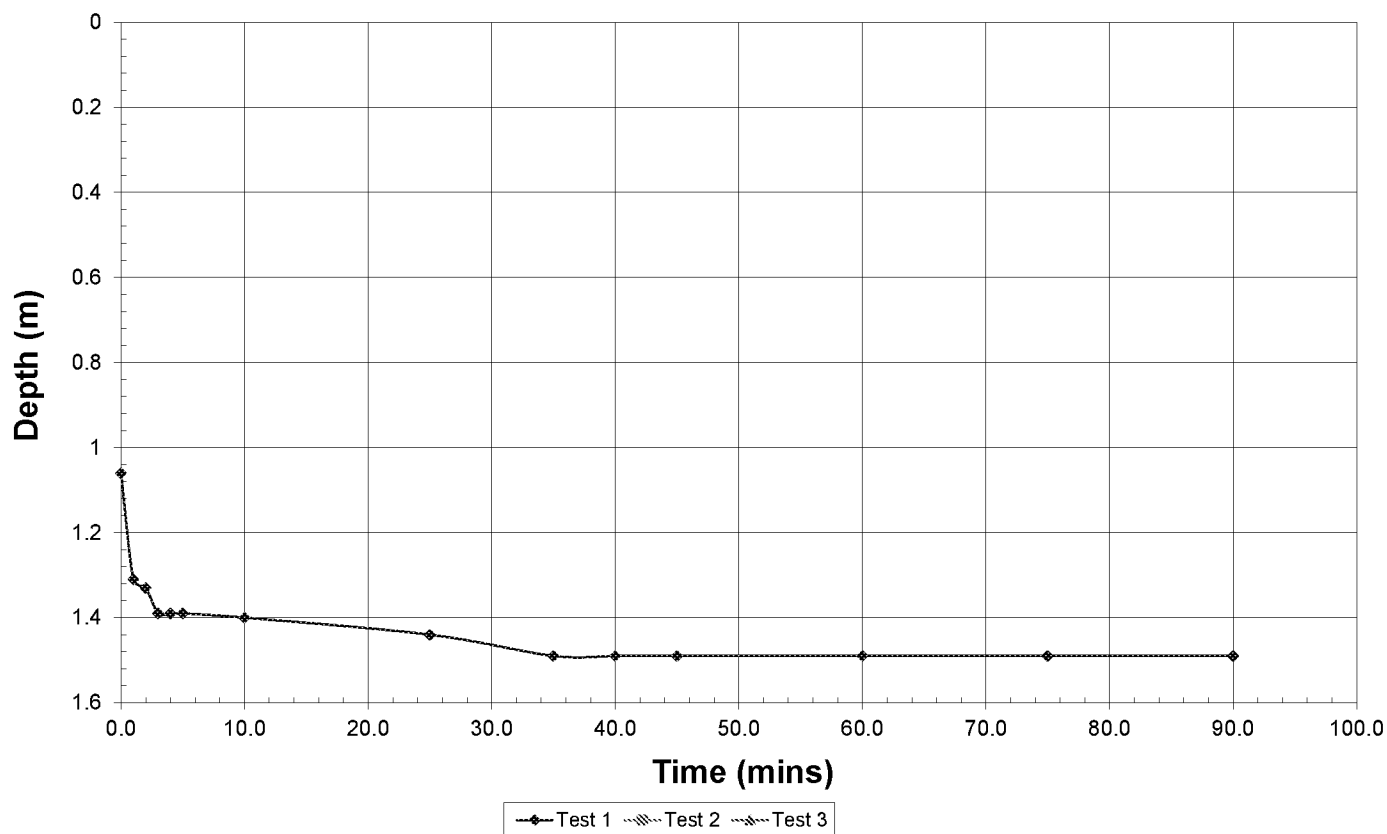
Time (min)	Depth (m)
0.0	1.06
1.0	1.31
2.0	1.33
3.0	1.39
4.0	1.39
5.0	1.39
10.0	1.4
25.0	1.44
35.0	1.49
40.0	1.49
45.0	1.49
60.0	1.49
75.0	1.49
90.0	1.49

Test 2

Time (min)	Depth (m)

Test 3

Time (min)	Depth (m)





Geo-Environmental

Borehole Falling Head Test

Geo-Environmental Services Limited
Unit 7 Danworth Farm, Cuckfield Road,
Hurst Green, Littlehampton, Sussex BN16 8ST
+44 (0)1323 810001

Project Name : Yapton Lane, Walberton

Client : LandQuest UK (Southern Limited)

Job No. : GE19427

Date : 27/11/2020

Borehole reference	WS4
Borehole depth (m)	3.00
Borehole Diameter (m)	0.10
Depth to standing water (m)	1.70

Test 1

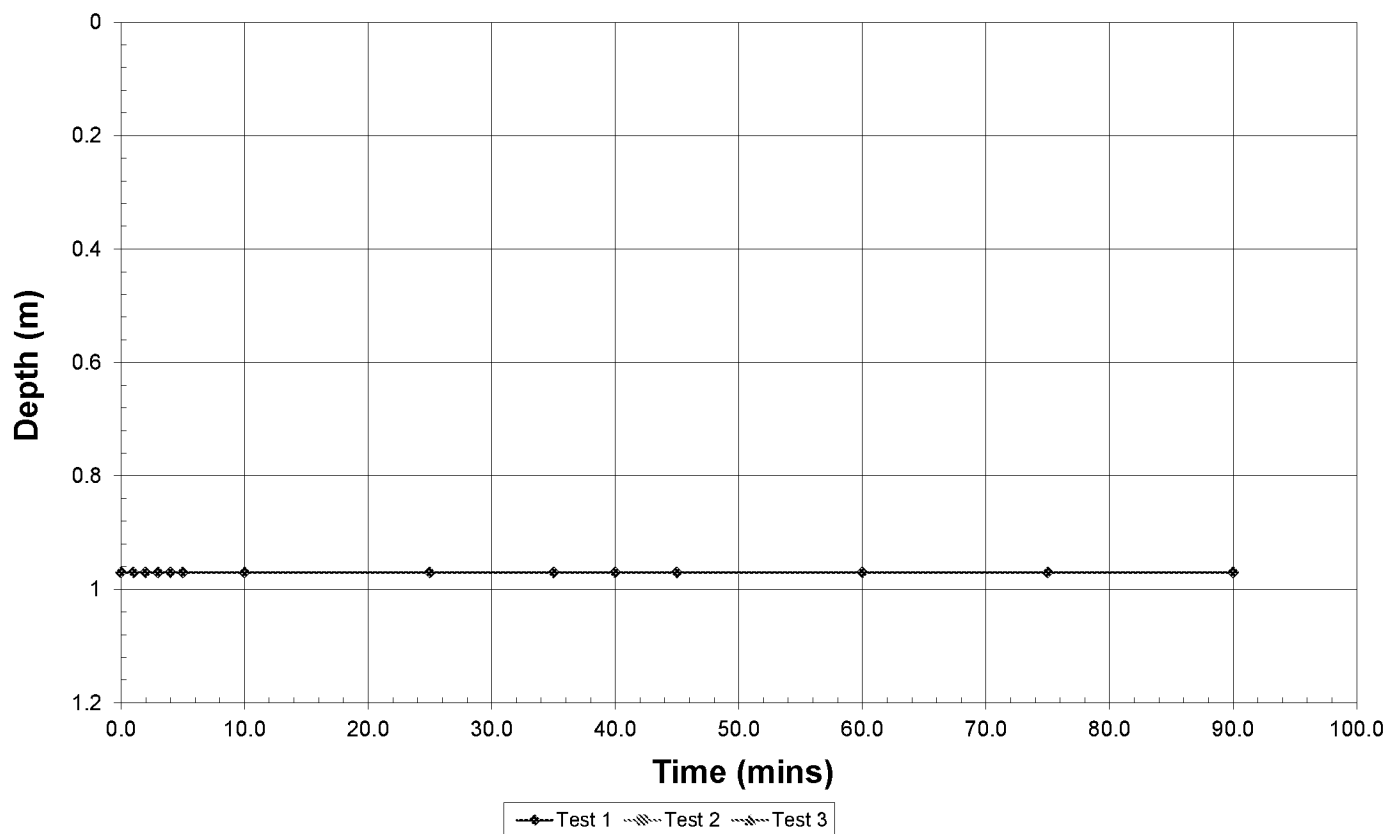
Time (min)	Depth (m)
0.0	0.97
1.0	0.97
2.0	0.97
3.0	0.97
4.0	0.97
5.0	0.97
10.0	0.97
25.0	0.97
35.0	0.97
40.0	0.97
45.0	0.97
60.0	0.97
75.0	0.97
90.0	0.97

Test 2

Time (min)	Depth (m)

Test 3

Time (min)	Depth (m)





Geo-Environmental

Borehole Falling Head Test

Geo-Environmental Services Limited
Unit 7 Danworth Farm, Cuckfield Road,
Hurstpierpoint, West Sussex BN6 9GL

Project Name : Yapton Lane, Walberton

Client : LandQuest UK (Southern Limited)

Job No. : GE19427

Date : 27/11/2020

Borehole reference	WS5
Borehole depth (m)	3.00
Borehole Diameter (m)	0.10
Depth to standing water (m)	2.16

Test 1

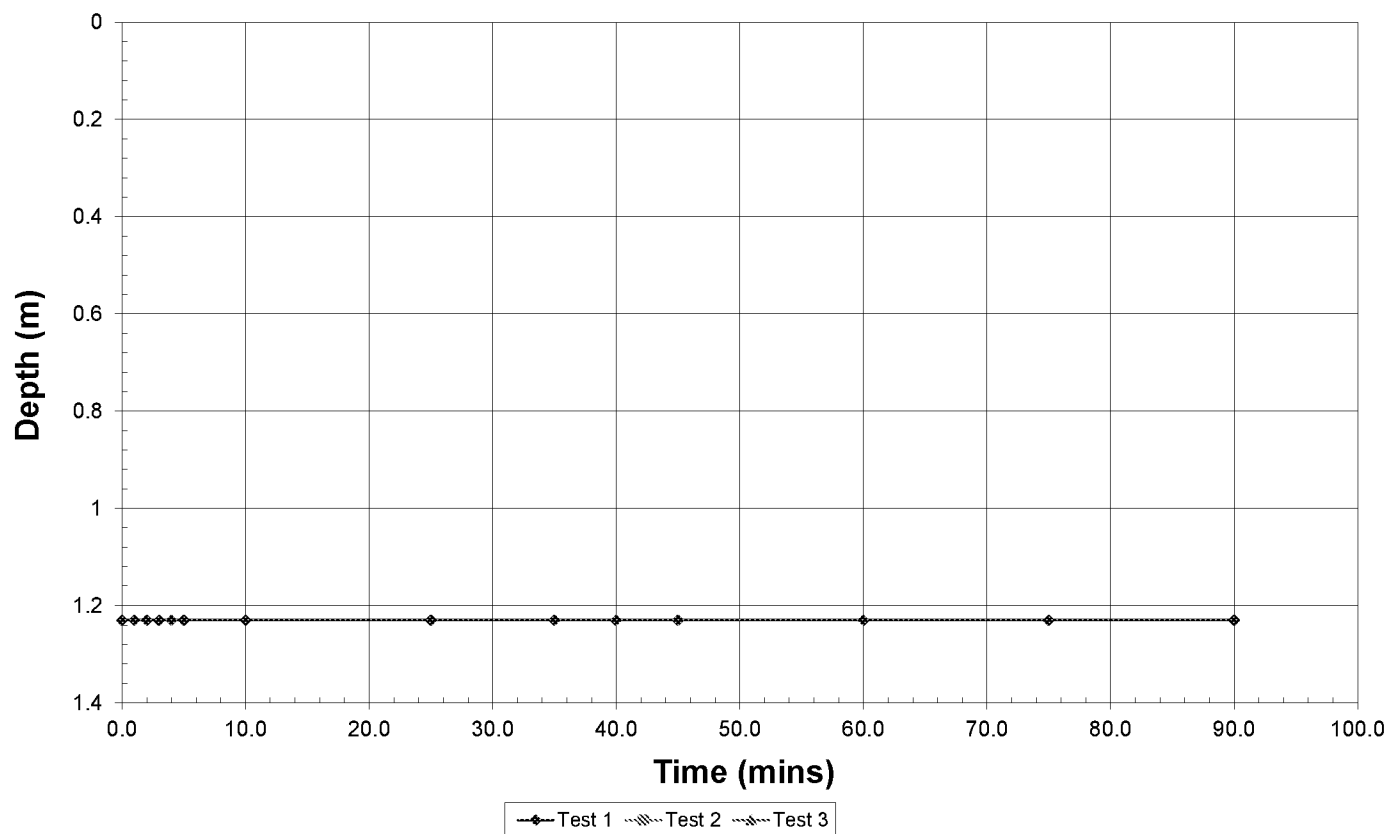
Time (min)	Depth (m)
0.0	1.23
1.0	1.23
2.0	1.23
3.0	1.23
4.0	1.23
5.0	1.23
10.0	1.23
25.0	1.23
35.0	1.23
40.0	1.23
45.0	1.23
60.0	1.23
75.0	1.23
90.0	1.23

Test 2

Time (min)	Depth (m)

Test 3

Time (min)	Depth (m)





Geo-Environmental

Borehole Falling Head Test

Geo-Environmental Services Limited
Unit 7 Danworth Farm, Cuckfield Road,
Hurstpierpoint, West Sussex BN6 9GL

Project Name : Yapton Lane, Walberton

Job No. : GE19427

Client : LandQuest UK (Southern Limited)

Date : 27/11/2020

Borehole reference	WS6
Borehole depth (m)	3.00
Borehole Diameter (m)	0.10
Depth to standing water (m)	1.58

Test 1

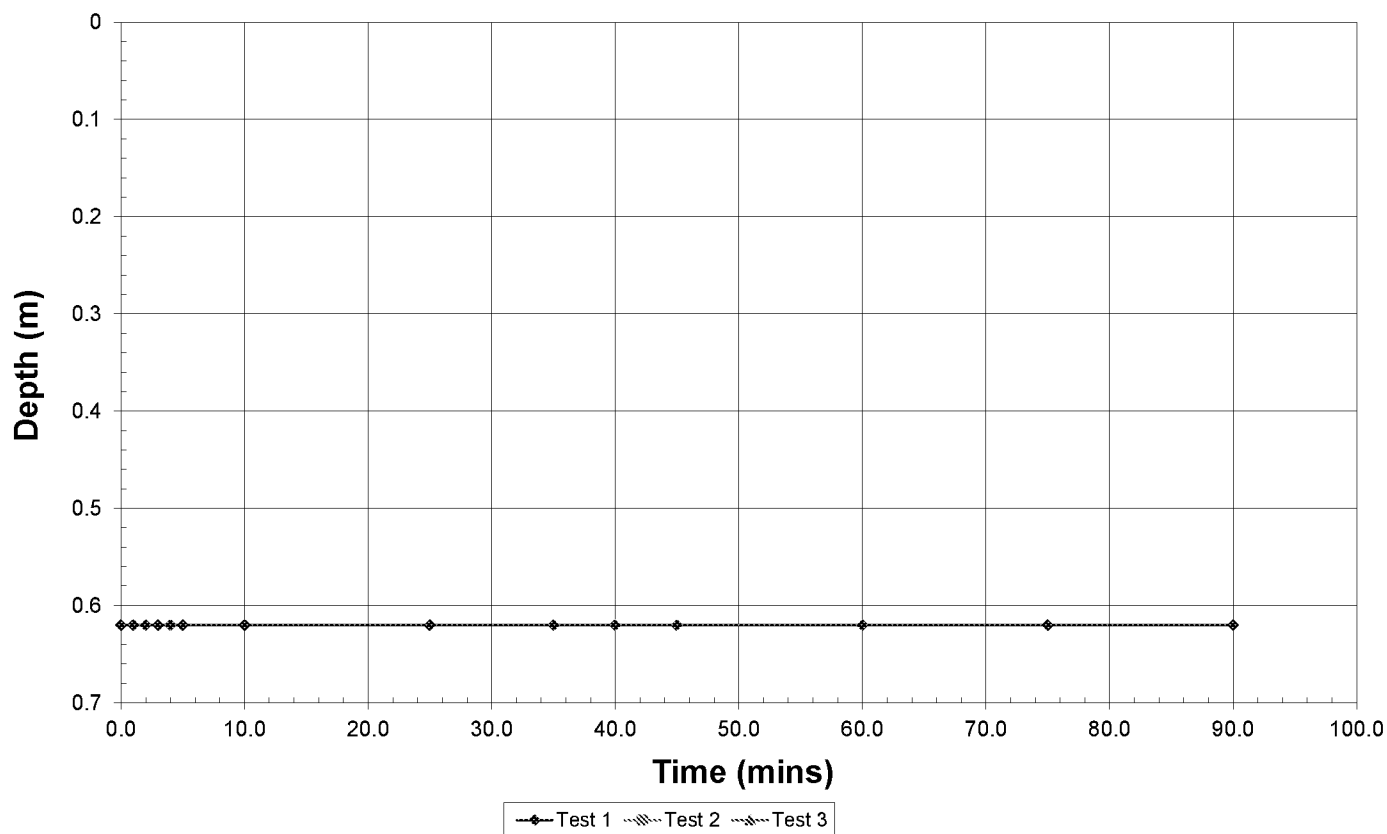
Time (min)	Depth (m)
0.0	0.62
1.0	0.62
2.0	0.62
3.0	0.62
4.0	0.62
5.0	0.62
10.0	0.62
25.0	0.62
35.0	0.62
40.0	0.62
45.0	0.62
60.0	0.62
75.0	0.62
90.0	0.62

Test 2

Time (min)	Depth (m)

Test 3

Time (min)	Depth (m)





Geo-Environmental

Borehole Falling Head Test

Geo-Environmental Services Limited
Unit 7 Danworth Farm, Cuckfield Road,
Hurstpierpoint, West Sussex BN6 9GL

Project Name : Yapton Lane, Walberton

Client : LandQuest UK (Southern Limited)

Job No. : GE19427

Date : 27/11/2020

Borehole reference	WS7
Borehole depth (m)	3.00
Borehole Diameter (m)	0.10
Depth to standing water (m)	2.25

Test 1

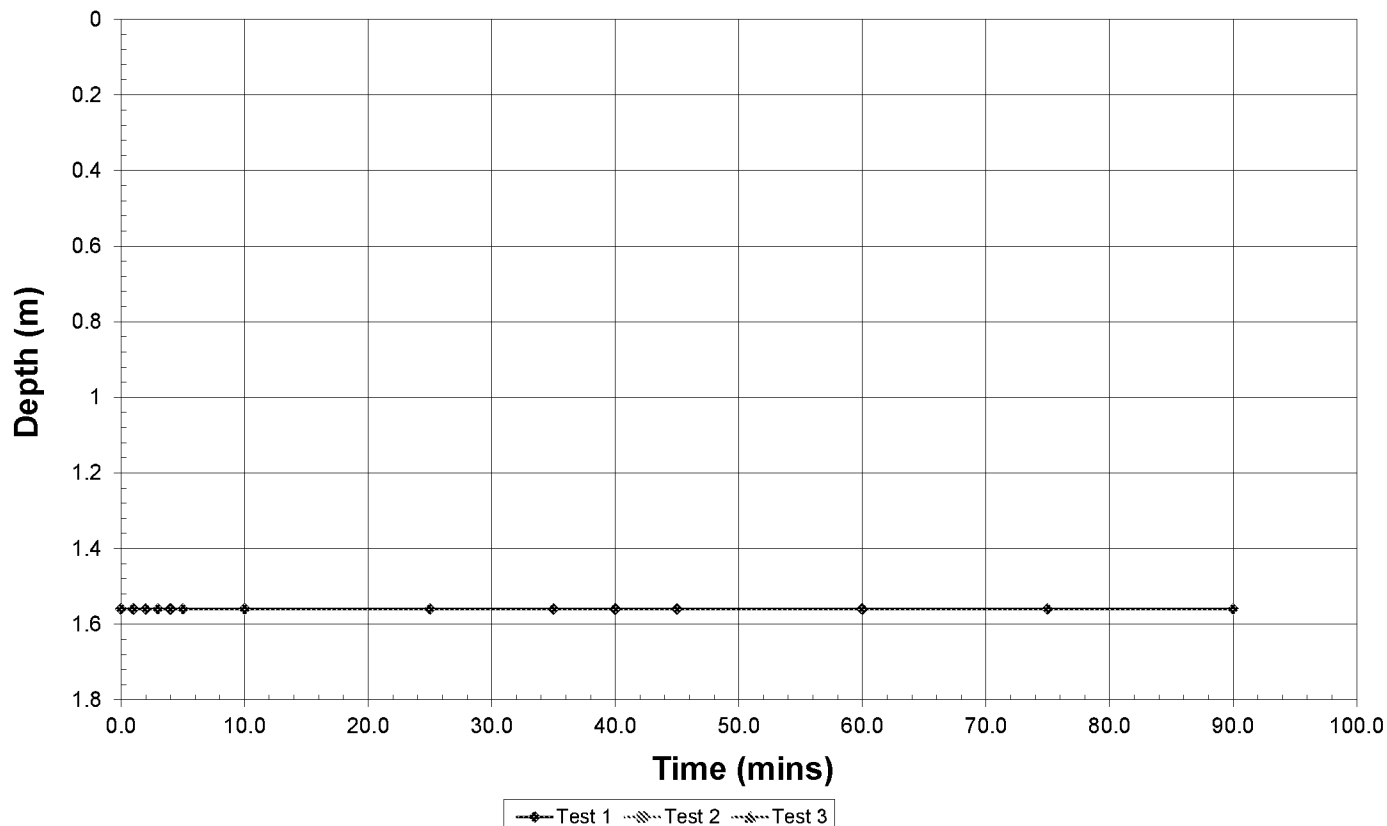
Time (min)	Depth (m)
0.0	1.56
1.0	1.56
2.0	1.56
3.0	1.56
4.0	1.56
5.0	1.56
10.0	1.56
25.0	1.56
35.0	1.56
40.0	1.56
45.0	1.56
60.0	1.56
75.0	1.56
90.0	1.56

Test 2

Time (min)	Depth (m)

Test 3

Time (min)	Depth (m)



Project: Yapton Lane, Walberton (Winter Groundwater Monitoring)
Ref: GE19427
Client: LandQuest UK (Southern) Limited

Location	Date	GWL (m bgl)
WS01	30/11/20	2.70
WS01	14/12/20	2.45
WS01	05/01/21	2.40
WS01	19/01/21	2.40
WS01	01/02/21	1.90
WS01	15/02/21	2.25
WS01	02/03/21	2.49
WS01	17/03/21	2.54
WS02	30/11/20	2.80
WS02	14/12/20	2.50
WS02	05/01/21	2.40
WS02	19/01/21	2.45
WS02	01/02/21	1.63
WS02	15/02/21	Dry at 1.70
WS02	02/03/21	Dry at 1.70
WS02	17/03/21	Dry at 1.70
WS03	30/11/20	Dry at 1.70
WS03	14/12/20	Dry at 1.70
WS03	05/01/21	Dry at 1.70
WS03	19/01/21	Dry at 1.70
WS03	01/02/21	1.15
WS03	15/02/21	1.38
WS03	02/03/21	1.63
WS03	17/03/21	1.64
WS04	30/11/20	1.80
WS04	14/12/20	1.50
WS04	05/01/21	1.60
WS04	19/01/21	1.45
WS04	01/02/21	1.05

Geo-Environmental Services Limited

www.geol.net

Project: Yapton Lane, Walberton (Winter Groundwater Monitoring)
Ref: GE19427
Client: LandQuest UK (Southern) Limited

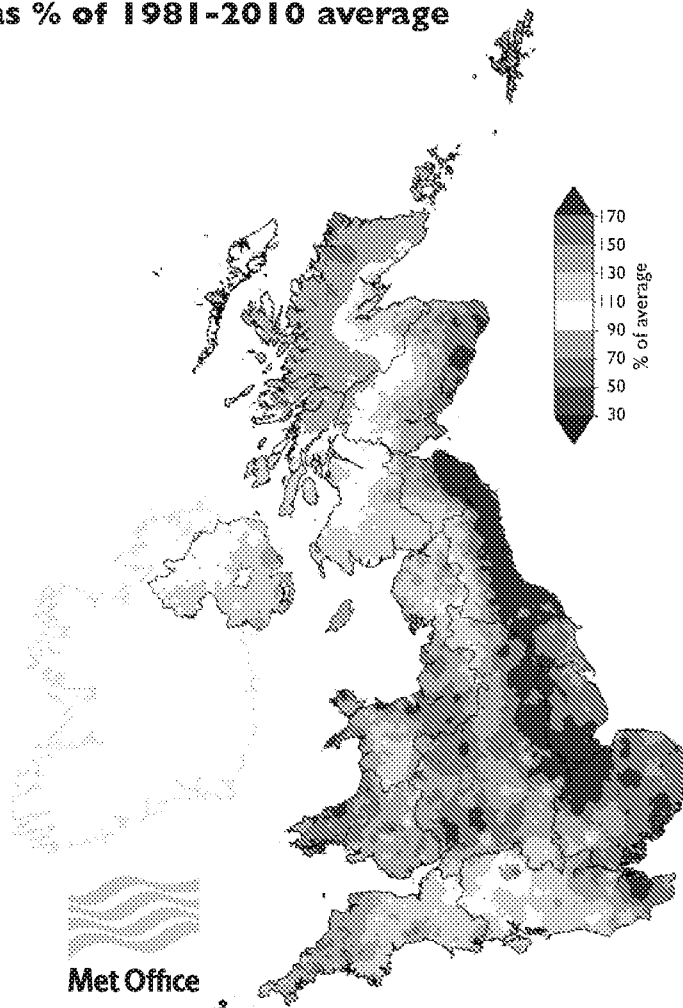
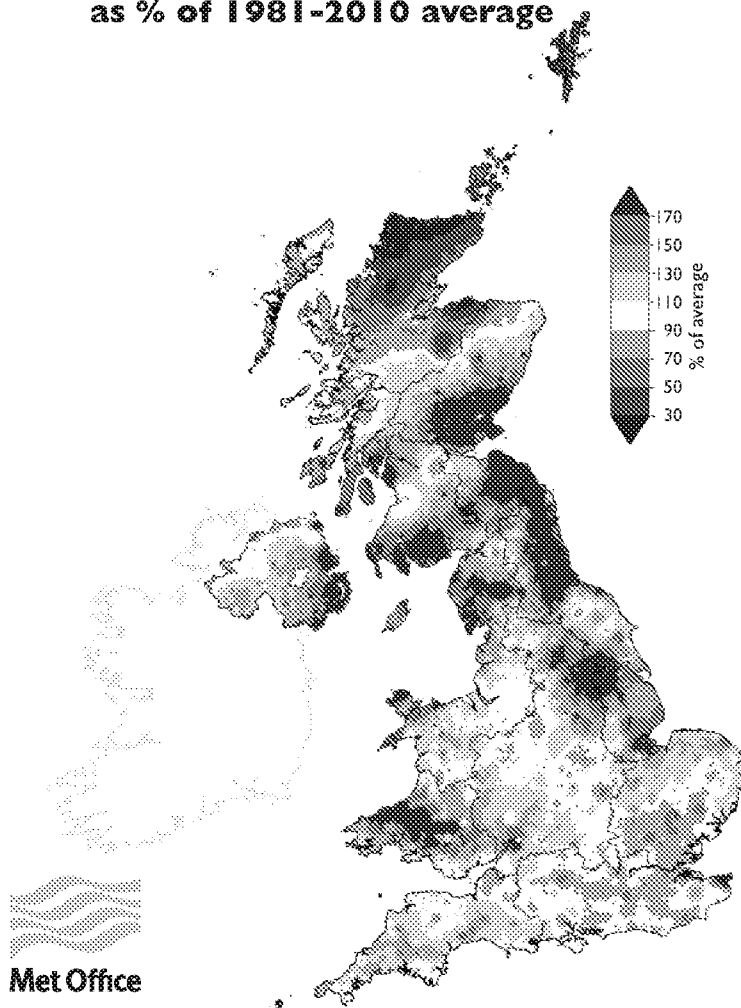
Location	Date	GWL (m bgl)
WS04	15/02/21	1.35
WS04	02/03/21	1.50
WS04	17/03/21	1.55
WS05	30/11/20	2.25
WS05	14/12/20	1.90
WS05	05/01/21	1.90
WS05	19/01/21	1.85
WS05	01/02/21	1.61
WS05	15/02/21	1.90
WS05	02/03/21	2.15
WS05	17/03/21	2.16
WS06	30/11/20	2.70
WS06	14/12/20	1.40
WS06	05/01/21	1.40
WS06	19/01/21	1.35
WS06	01/02/21	1.50
WS06	15/02/21	1.80
WS06	02/03/21	2.06
WS06	17/03/21	2.05
WS07	30/11/20	2.20
WS07	14/12/20	2.00
WS07	05/01/21	2.00
WS07	19/01/21	1.95
WS07	01/02/21	2.00
WS07	15/02/21	2.35
WS07	02/03/21	2.60
WS07	17/03/21	2.59

Geo-Environmental Services Limited

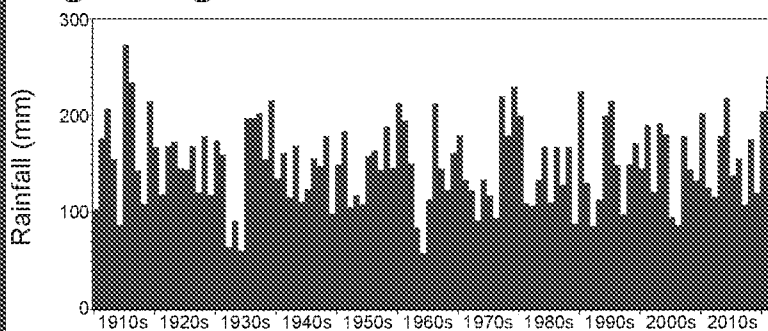
Rainfall . . . Rainfall . . .

**February 2021 rainfall
as % of 1981-2010 average**

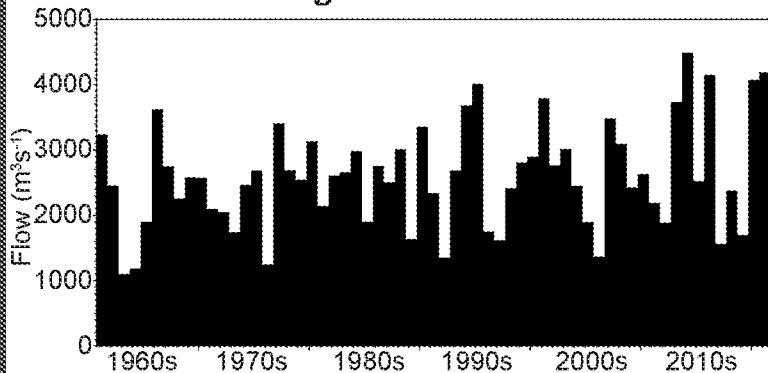
**December 2020 - February 2021 rainfall
as % of 1981-2010 average**



December - February (winter) rainfall for Anglian region



December - February (winter) average outflows from England



Hydrological Outlook UK

The Hydrological Outlook provides an insight into future hydrological conditions across the UK. Specifically it describes likely trajectories for river flows and groundwater levels on a monthly basis, with particular focus on the next three months.

The complete version of the Hydrological Outlook UK can be found at: [\[redacted\]](#)

Period: from March 2021

Issued: 09.03.2021

using data to the end of February 2021

The outlook for March is for normal to above normal river flows in south-east England, with flows within the normal range the most likely scenario in northern and western areas. Groundwater levels in March are likely to be normal to exceptionally high across the UK. The three-month outlook is very similar to the one-month outlook for both river flows and groundwater levels.

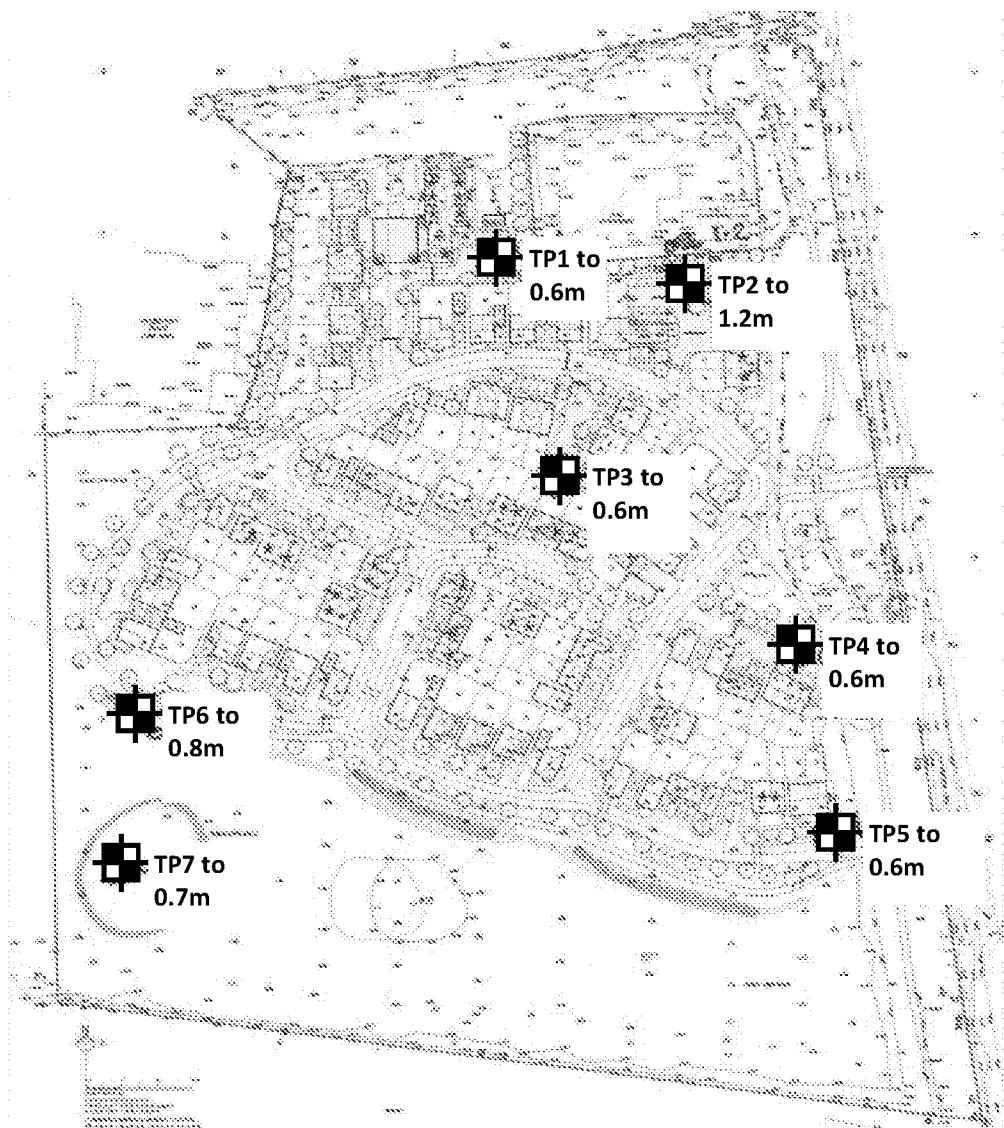
Groundwater... Groundwater



Groundwater levels - February 2021

The calculation of ranking has been modified from that used in summaries published prior to October 2012. It is now based on a comparison between the most recent level and levels for the same date during previous years of record. Where appropriate, levels for earlier years may have been interpolated. The rankings are designed as a qualitative indicator, and ranks at extreme levels, and when levels are changing rapidly, need to be interpreted with caution.

Note: Due to unforeseen circumstances no data are available for Scotland.



Project:	Yapton Lane, Walberton BN18 OAS			Title	Proposed Exploratory Hole Location (Soakage Testing)	
Client:	LandQuest UK			Geo-Environmental Services Ltd Unit 7 Danworth Farm, Cuckfield Road Hurstpierpoint, West Sussex BN6 9GL +44(0)1273 832972 www.gesl.net		 Geo-Environmental
Ref No:	GE19427	Revision:	0			
Drawn:	LL	Date:	16/03/2021			
Figure:	2	Scale:	NTS			



Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Geo-Environmental www.gesl.net

Trial Pit Log

Trial Pit No

TP1

Sheet 1 of 1

Project Name: Yapton Lane, Walberton

Project No.
GE19427

Co-ords: 497568.33 - 105627.07
Level: 13.67

Date
17/03/2020

Location: Yapton Lane, Walberton BN18 0AS

Dimensions (m): 1.40

Depth
0.63

0.60

Scale
1:25

Logged
RG

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	13.36		Crops over brown silty slightly gravelly CLAY with frequent rootlets. Gravel is fine to medium angular to subangular flint. TOPSOIL
				0.63	13.04		Firm brown slightly silty CLAY. RIVER TERRACE DEPOSITS
							End of Pit at 0.63m

Water Strike	Remarks
Depth Strike	Notes to (re)log
	Stability





Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Geo-Environmental/www.gesl.net

Trial Pit Log

Trial Pit No

TP2

Sheet 1 of 1

Project Name: Yapton Lane, Walberton

Project No.
GE19427

Co-ords: 497626.49 - 105630.44
Level: 13.95

Date
17/03/2020

Location: Yapton Lane, Walberton BN18 0AS

Dimensions (m): 1.50

Depth
1.05

0.60

Scale
1:25

Logged
RG

Client: LandQuest UK

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	13.65		Crops over brown silty slightly gravelly CLAY with frequent rootlets. Gravel is fine to medium angular to subangular flint. TOPSOIL
				1.10	12.85		Firm brown slightly silty CLAY. RIVER TERRACE DEPOSITS
				1.20	12.75		Stiff brown, light brown, yellowish brown and cream silty sandy very gravelly CLAY. Sand is fmc of flint and chalk. Gravel is fmc angular to subangular flint. RIVER TERRACE DEPOSITS
							End of Pit at 1.05m

Depth Strike	Water Strike	Remarks	Base of trial pit partially collapsed near base to 1.05m bgl.
		Stability	





Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Geo-Environmental www.gesl.net

Trial Pit Log

Trial Pit No

TP3

Sheet 1 of 1

Project Name: Yapton Lane, Walberton

Project No.
GE19427

Co-ords: 497565.16 - 105566.53
Level: 13.13

Date
17/03/2020

Location: Yapton Lane, Walberton BN18 0AS

Dimensions (m): 1.10

Depth
0.68

0.60

Scale
1:25

Logged
RG

Client: LandQuest UK

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	12.83		Crops over brown silty slightly gravelly CLAY with frequent rootlets. Gravel is fine to medium angular to subangular flint. TOPSOIL
				0.68	12.45		Stiff brown, light brown, yellowish brown and cream silty sandy very gravelly CLAY. Sand is fmc of flint and chalk. Gravel is fmc angular to subangular flint. RIVER TERRACE DEPOSITS
							End of Pit at 0.68m

Water Strike	
Depth Strike	Notes to (relog)

Remarks

Stability





Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Geo-Environmental www.gesl.net

Trial Pit Log

Trial Pit No

TP4

Sheet 1 of 1

Project Name: Yapton Lane, Walberton

Project No.
GE19427

Co-ords: 497632.20 - 105535.16
Level:

Date
17/03/2020

Location: Yapton Lane, Walberton BN18 0AS

Dimensions (m): 1.20

Depth
0.67

0.60

Scale
1:25

Logged
RG

Client: LandQuest UK

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30			Crops over brown silty slightly gravelly CLAY with frequent rootlets. Gravel is fine to medium angular to subangular flint. TOPSOIL
				0.67			Firm becoming stiff brown slightly gravelly CLAY. Gravel is fine angular to subangular flint. RIVER TERRACE DEPOSITS
							End of Pit at 0.67m

Water Strike	Remarks
Depth Strike	Notes to (re)log
	Stability





Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Geo-Environmental www.gesl.net

Trial Pit Log

Trial Pit No

TP5

Sheet 1 of 1

Project Name: Yapton Lane, Walberton

Project No.
GE19427

Co-ords: 497631.94 - 105457.30
Level: 13.17

Date
17/03/2020

Location: Yapton Lane, Walberton BN18 0AS

Dimensions (m): 1.20

Depth
0.77

0.60

Scale
1:25

Logged
RG

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	12.87		Crops over brown silty slightly gravelly CLAY with frequent rootlets. Gravel is fine to medium angular to subangular flint. TOPSOIL
				0.77	12.40		Firm brown slightly silty CLAY. RIVER TERRACE DEPOSITS
							End of Pit at 0.77m

Depth Strike	Notes to (relog)

Remarks

Stability





Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Geo-Environmental www.gesl.net

Trial Pit Log

Trial Pit No

TP6

Sheet 1 of 1

Project Name: Yapton Lane, Walberton

Project No.
GE19427

Co-ords: 497470.16 - 105501.73
Level: 12.90

Date
17/03/2020

Location: Yapton Lane, Walberton BN18 0AS

Dimensions (m):

1.00

Depth
0.84

0.60

Scale
1:25

Logged
RG

Client: LandQuest UK

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	12.60		Crops over brown silty slightly gravelly CLAY with frequent rootlets. Gravel is fine to medium angular to subangular flint. TOPSOIL
				0.84	12.06		Firm becoming stiff brown slightly gravelly CLAY. Gravel is fmc angular to subangular flint. RIVER TERRACE DEPOSITS
							End of Pit at 0.84m

Depth Strike	Remarks
Water Strike	Stability





Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Geo-Environmental www.gesl.net

Trial Pit Log

Trial Pit No

TP7

Sheet 1 of 1

Project Name: Yapton Lane, Walberton

Project No.
GE19427

Co-ords: 497468.87 - 105452.21
Level: 12.54

Date
17/03/2020

Location: Yapton Lane, Walberton BN18 0AS

Dimensions (m): 1.30

Depth
0.83

0.60

Scale
1:25

Logged
RG

Client: LandQuest UK

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	12.24		Crops over brown silty slightly gravelly CLAY with frequent rootlets. Gravel is fine to medium angular to subangular flint. TOPSOIL
				0.83	11.71		Firm becoming stiff brown slightly gravelly CLAY. Gravel is fmc angular to subangular flint RIVER TERRACE DEPOSITS
							End of Pit at 0.83m

Depth Strike	Notes to (relog)

Remarks

Stability



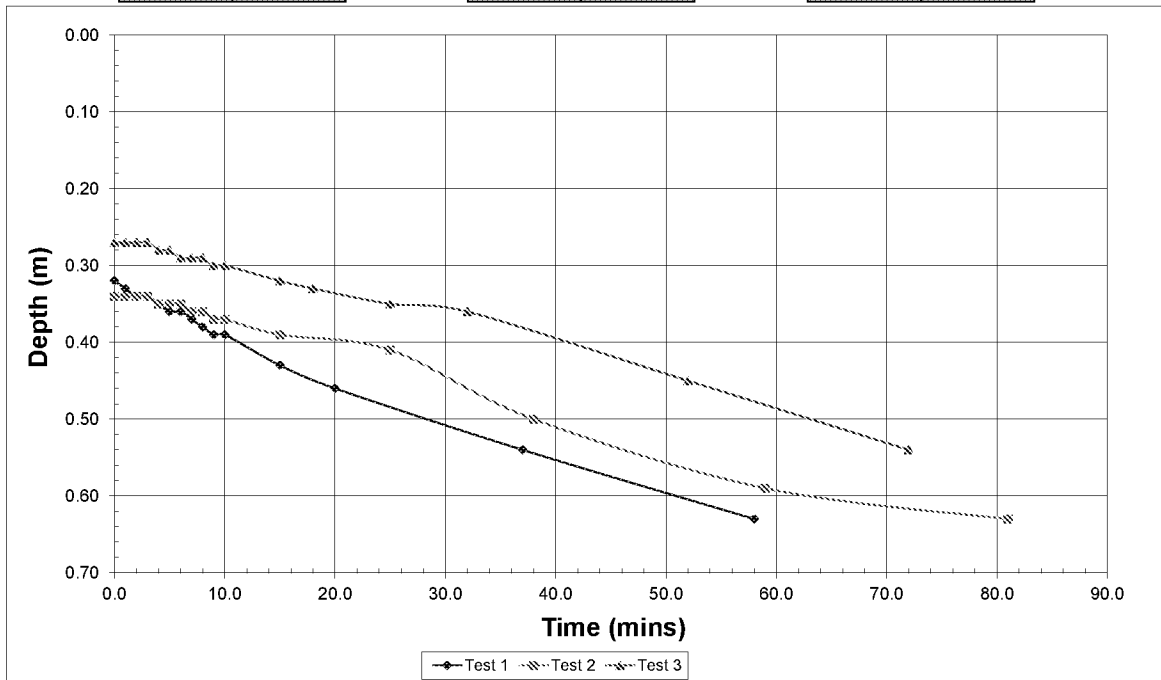
 Geo-Environmental	Soakaway Test Results (after BRE Digest 365)	Geo-Environmental Services Limited Unit 7 Danworth Farm, Cuckfield Road, Hurstpierpoint, West Sussex BN6 9GL
Project Name : Yapton Lane, Walberton Client : LandQuest UK		Job No. : GE19427 Date : 17/03/2021

Pit reference	TP1
Pit depth (m)	0.63
Pit width (m)	0.60
Pit length (m)	1.40
Depth to standing water (m)	

Test 1	
Time (min)	Depth (m)
0.0	0.32
1.0	0.33
2.0	0.34
3.0	0.34
4.0	0.35
5.0	0.36
6.0	0.36
7.0	0.37
8.0	0.38
9.0	0.39
10.0	0.39
15.0	0.43
20.0	0.46
37.0	0.54
56.0	0.63

Test 2	
Time (min)	Depth (m)
0.0	0.34
1.0	0.34
2.0	0.34
3.0	0.34
4.0	0.35
5.0	0.35
6.0	0.35
7.0	0.36
8.0	0.36
9.0	0.37
10.0	0.37
15.0	0.39
25.0	0.41
38.0	0.50
59.0	0.59
81.0	0.63

Test 3	
Time (min)	Depth (m)
0.0	0.27
1.0	0.27
2.0	0.27
3.0	0.27
4.0	0.28
5.0	0.28
6.0	0.29
7.0	0.29
8.0	0.29
9.0	0.30
10.0	0.30
15.0	0.32
18.0	0.33
25.0	0.35
32.0	0.36
52.0	0.45
72.0	0.54



Max. depth (m)	0.63	0.63	0.63
Effective depth (m)	0.31	0.29	0.36
75% effective depth (m)	0.40	0.41	0.36
50% effective depth (m)	0.48	0.49	0.45
25% effective depth (m)	0.55	0.56	0.54
t75 (min)	12.00	25.00	32.00
t50 (min)	26.00	38.00	52.00
t25 (min)	40.00	54.00	72.00
Vp 75-25	0.13	0.12	0.15
ap 50	1.46	1.42	1.56
tp 75-25	28.00	29.00	40.00

Soil infiltration rate (m/s)	5.3E-05	4.9E-05	4.0E-05
Soil infiltration rate (mm/hr)	1.91E+02	1.77E+02	1.45E+02

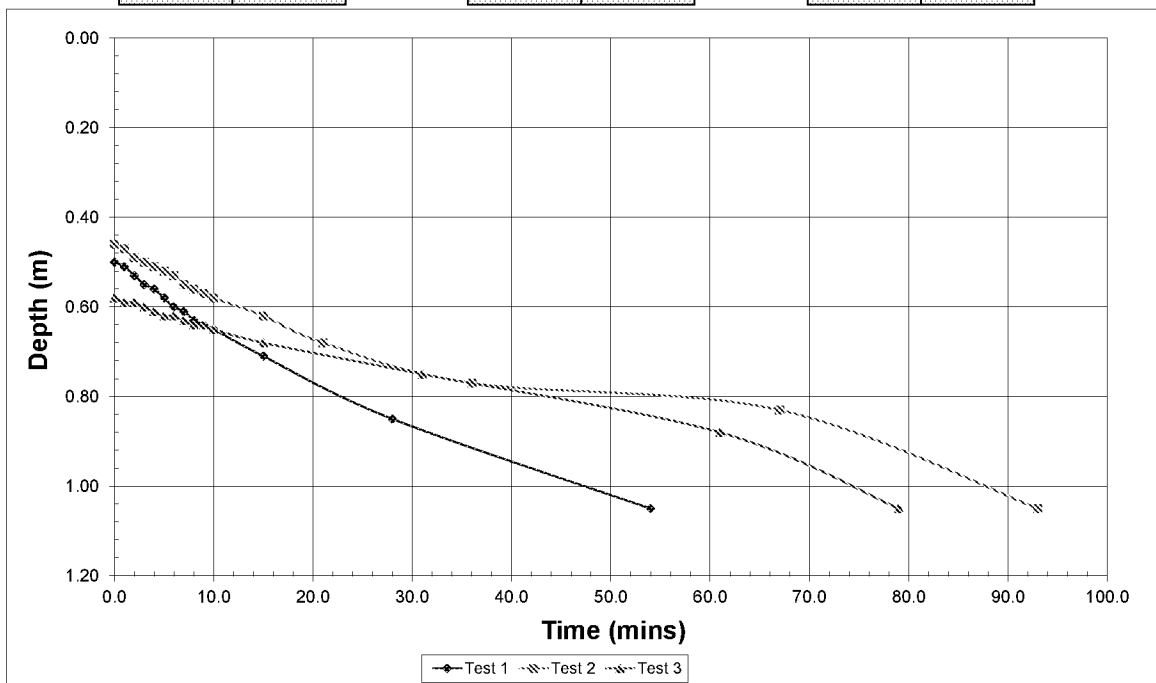
 Geo-Environmental	Soakaway Test Results (after BRE Digest 365)	Geo-Environmental Services Limited Unit 7 Danworth Farm, Cuckfield Road, Hurstpierpoint, West Sussex BN6 9GL
Project Name : Yapton Lane, Walberton		Job No. : GE19427
Client : LandQuest UK		Date : 17/03/2021

Pit reference	TP2
Pit depth (m)	1.05
Pit width (m)	0.60
Pit length (m)	1.50
Depth to standing water (m)	

Test 1	
Time (min)	Depth (m)
0.0	0.50
1.0	0.51
2.0	0.53
3.0	0.55
4.0	0.56
5.0	0.58
6.0	0.60
7.0	0.61
8.0	0.63
9.0	0.64
10.0	0.65
15.0	0.71
28.0	0.85
54.0	1.05

Test 2	
Time (min)	Depth (m)
0.0	0.46
1.0	0.47
2.0	0.49
3.0	0.50
4.0	0.51
5.0	0.52
6.0	0.53
7.0	0.55
8.0	0.56
9.0	0.57
10.0	0.58
15.0	0.62
21.0	0.68
36.0	0.77
67.0	0.83
93.0	1.05

Test 3	
Time (min)	Depth (m)
0.0	0.58
1.0	0.59
2.0	0.59
3.0	0.60
4.0	0.61
5.0	0.62
6.0	0.62
7.0	0.63
8.0	0.64
9.0	0.64
10.0	0.65
15.0	0.68
31.0	0.75
61.0	0.88
79.0	1.05



Max. depth (m)	1.05	1.05	1.05
Effective depth (m)	0.55	0.59	0.47
75% effective depth (m)	0.64	0.61	0.70
50% effective depth (m)	0.78	0.76	0.82
25% effective depth (m)	0.91	0.90	0.93
t75 (min)	9.00	15.00	20.00
t50 (min)	20.00	36.00	50.00
t25 (min)	36.00	64.00	68.00
Vp 75-25	0.25	0.27	0.21
ap 50	2.055	2.139	1.887
tp 75-25	27.00	49.00	48.00

Soil infiltration rate (m/s)	7.4E-05	4.2E-05	3.9E-05
Soil infiltration rate (mm/hr)	2.68E+02	1.52E+02	1.40E+02

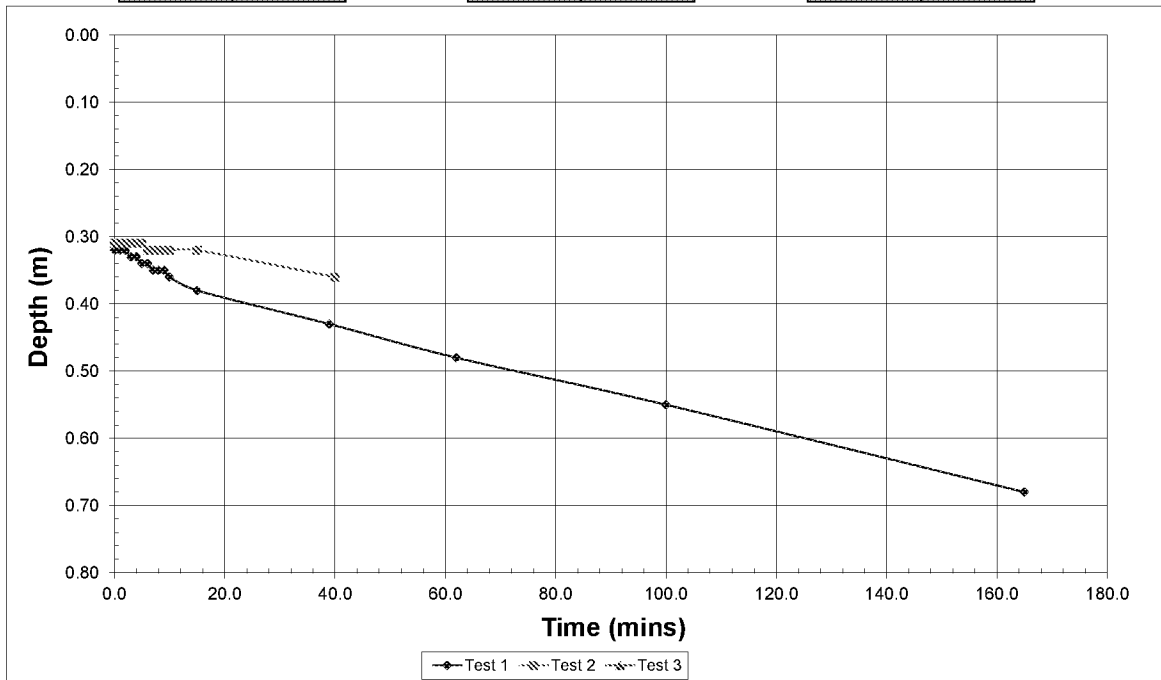
 Geo-Environmental	Soakaway Test Results (after BRE Digest 365)	Geo-Environmental Services Limited Unit 7 Danworth Farm, Cuckfield Road, Hurstpierpoint, West Sussex BN6 9GL
Project Name : Yapton Lane, Walberton Client : LandQuest UK		Job No. : GE19427 Date : 17/03/2021

Pit reference	TP3
Pit depth (m)	0.68
Pit width (m)	0.60
Pit length (m)	1.10
Depth to standing water (m)	

Test 1	
Time (min)	Depth (m)
0.0	0.32
1.0	0.32
2.0	0.32
3.0	0.33
4.0	0.33
5.0	0.34
6.0	0.34
7.0	0.35
8.0	0.35
9.0	0.35
10.0	0.36
15.0	0.38
39.0	0.43
62.0	0.48
100.0	0.55
165.0	0.68

Test 2	
Time (min)	Depth (m)
0.0	0.31
1.0	0.31
2.0	0.31
3.0	0.31
4.0	0.31
5.0	0.31
6.0	0.32
7.0	0.32
8.0	0.32
9.0	0.32
10.0	0.32
15.0	0.32
40.0	0.36

Test 3	
Time (min)	Depth (m)



Max. depth (m)	0.68	0.68	0.68
Effective depth (m)	0.36	0.37	0.68
75% effective depth (m)	0.41	0.40	0.17
50% effective depth (m)	0.50	0.50	0.34
25% effective depth (m)	0.59	0.59	0.51
t75 (min)	28.00		
t50 (min)	72.00		
t25 (min)	124.00		
Vp 75-25	0.12	0.12	0.22
ap 50	1.272	1.289	1.816
tp 75-25	96.00	0.00	0.00

Soil infiltration rate (m/s)	1.6E-05	
Soil infiltration rate (mm/hr)	5.84E+01	

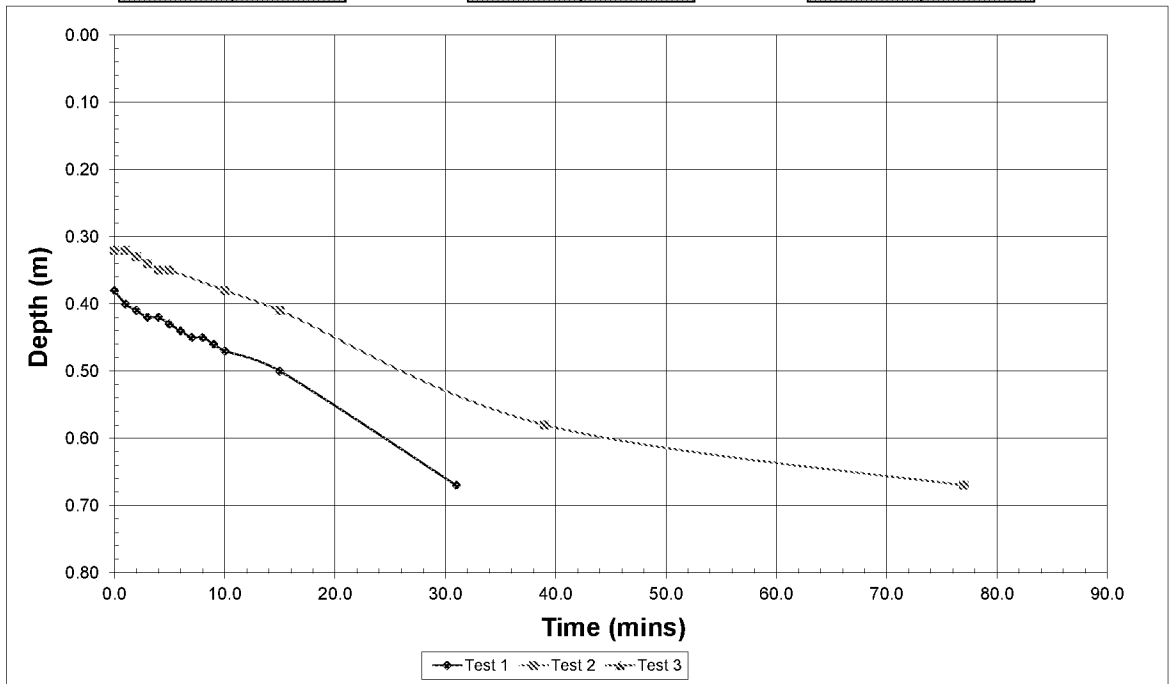
 Geo-Environmental	Soakaway Test Results (after BRE Digest 365)	Geo-Environmental Services Limited Unit 7 Danworth Farm, Cuckfield Road, Hurstpierpoint, West Sussex BN6 9GL 	
		Project Name : Yapton Lane, Walberton Client : LandQuest UK Job No. : GE19427 Date : 17/03/2021	

Pit reference	TP4
Pit depth (m)	0.67
Pit width (m)	0.60
Pit length (m)	1.20
Depth to standing water (m)	

Test 1	
Time (min)	Depth (m)
0.0	0.38
1.0	0.40
2.0	0.41
3.0	0.42
4.0	0.42
5.0	0.43
6.0	0.44
7.0	0.45
8.0	0.45
9.0	0.46
10.0	0.47
15.0	0.50
31.0	0.67

Test 2	
Time (min)	Depth (m)
0.0	0.32
1.0	0.32
2.0	0.33
3.0	0.34
4.0	0.35
5.0	0.35
10.0	0.38
15.0	0.41
39.0	0.58
77.0	0.67

Test 3	
Time (min)	Depth (m)



Max. depth (m)	0.67	0.67	0.67
Effective depth (m)	0.29	0.35	0.67
75% effective depth (m)	0.45	0.41	0.17
50% effective depth (m)	0.53	0.50	0.34
25% effective depth (m)	0.60	0.58	0.50
t75 (min)	7.00	15.00	
t50 (min)	18.00	26.00	
t25 (min)	25.00	39.00	
Vp 75-25	0.10	0.13	0.24
ap 50	1.242	1.35	1.926
tp 75-25	18.00	24.00	0.00

Soil infiltration rate (m/s)	7.8E-05	6.5E-05	
Soil infiltration rate (mm/hr)	2.80E+02	2.33E+02	

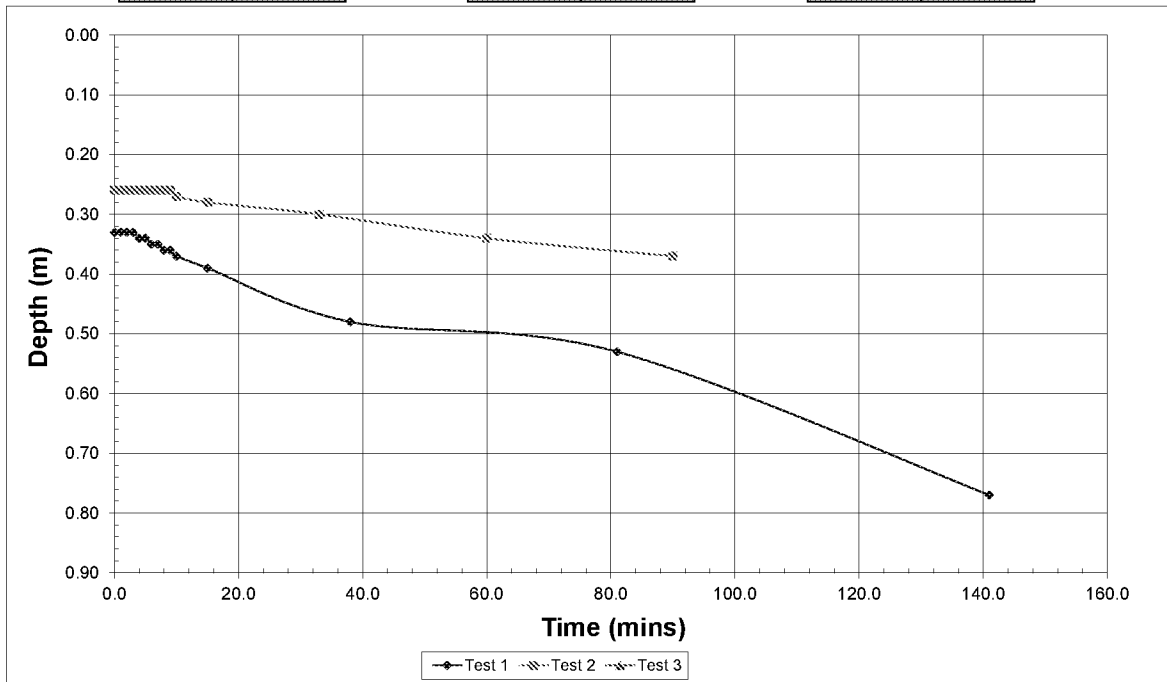
 Geo-Environmental	Soakaway Test Results (after BRE Digest 365)	Geo-Environmental Services Limited Unit 7 Danworth Farm, Cuckfield Road, Hurstpierpoint, W Sussex BN26 9DL + [REDACTED]	
		Project Name : Yapton Lane, Walberton Client : LandQuest UK	
Job No. : GE19427 Date : 17/03/2021			

Pit reference	TP5
Pit depth (m)	0.77
Pit width (m)	0.60
Pit length (m)	1.20
Depth to standing water (m)	

Test 1	
Time (min)	Depth (m)
0.0	0.33
1.0	0.33
2.0	0.33
3.0	0.33
4.0	0.34
5.0	0.34
6.0	0.35
7.0	0.35
8.0	0.36
9.0	0.36
10.0	0.37
15.0	0.39
38.0	0.48
81.0	0.53
141.0	0.77

Test 2	
Time (min)	Depth (m)
0.0	0.26
1.0	0.26
2.0	0.26
3.0	0.26
4.0	0.26
5.0	0.26
6.0	0.26
7.0	0.26
8.0	0.26
9.0	0.26
10.0	0.27
15.0	0.28
33.0	0.30
60.0	0.34
90.0	0.37

Test 3	
Time (min)	Depth (m)



Max. depth (m)	0.77	0.77	0.77
Effective depth (m)	0.44	0.51	0.77
75% effective depth (m)	0.44	0.39	0.19
50% effective depth (m)	0.55	0.52	0.39
25% effective depth (m)	0.66	0.64	0.58
t75 (min)	28.00		
t50 (min)	88.00		
t25 (min)	116.00		
Vp 75-25	0.18	0.18	0.28
ap 50	1.512	1.638	2.106
tp 75-25	88.00	0.00	0.00

Soil infiltration rate (m/s)	2.0E-05	
Soil infiltration rate (mm/hr)	7.14E+01	

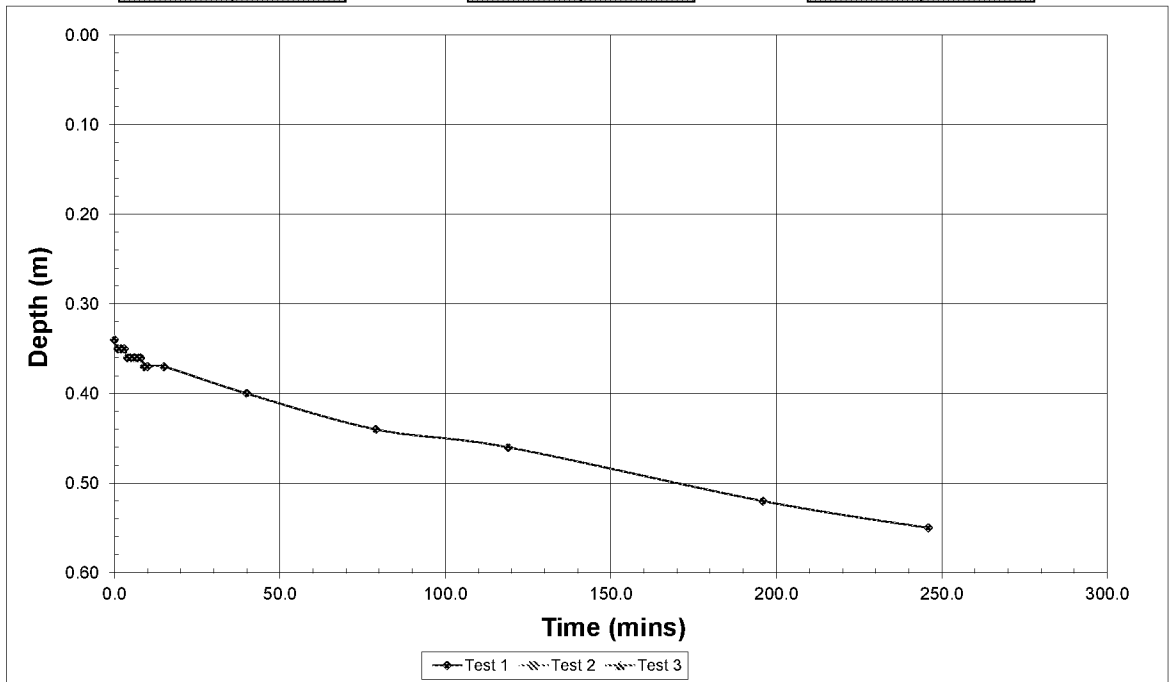
 Geo-Environmental	Soakaway Test Results (after BRE Digest 365)	Geo-Environmental Services Limited Unit 7 Danworth Farm, Cuckfield Road, Hurstpierpoint, West Sussex BN16 8GJ	
Project Name : Yapton Lane, Walberton		Job No. : GE19427	
Client : LandQuest UK		Date : 17/03/2021	

Pit reference	TP6
Pit depth (m)	0.84
Pit width (m)	0.60
Pit length (m)	1.00
Depth to standing water (m)	

Test 1	
Time (min)	Depth (m)
0.0	0.34
1.0	0.35
2.0	0.35
3.0	0.35
4.0	0.36
5.0	0.36
6.0	0.36
7.0	0.36
8.0	0.36
9.0	0.37
10.0	0.37
15.0	0.37
40.0	0.40
79.0	0.44
119.0	0.46
196.0	0.52
246.0	0.55

Test 2	
Time (min)	Depth (m)

Test 3	
Time (min)	Depth (m)



Max. depth (m)	0.84	0.84	0.84
Effective depth (m)	0.50	0.84	0.84
75% effective depth (m)	0.47	0.21	0.21
50% effective depth (m)	0.59	0.42	0.42
25% effective depth (m)	0.72	0.63	0.63
t75 (min)			
t50 (min)			
t25 (min)			
Vp 75-25	0.15	0.25	0.25
ap 50	1.4	1.944	1.944
tp 75-25	0.00	0.00	0.00

Soil infiltration rate (m/s)	Insufficient fall in water to complete test	
Soil infiltration rate (mm/hr)	Insufficient fall in water to complete test	

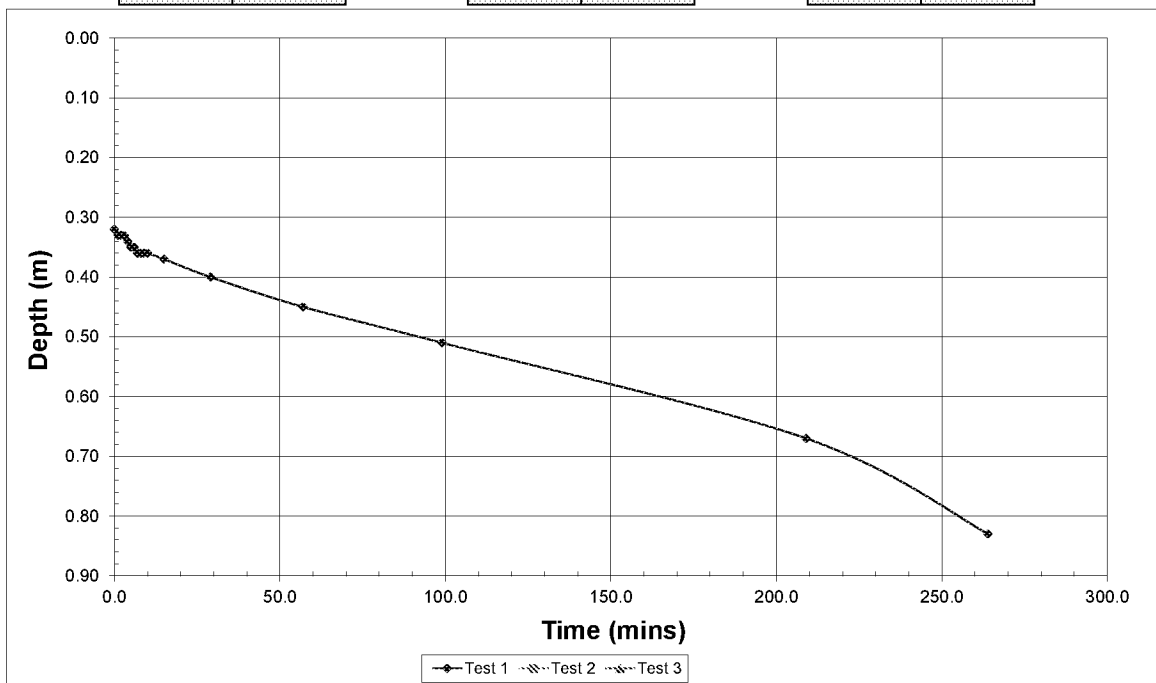
 Geo-Environmental	Soakaway Test Results (after BRE Digest 365)	Geo-Environmental Services Limited Unit 7 Danworth Farm, Cuckfield Road, Hurstpierpoint, West Sussex BN6 8GJ 	
		Project Name : Yapton Lane, Walberton Client : LandQuest UK	
		Job No. : GE19427	Date : 17/03/2021

Pit reference	TP7
Pit depth (m)	0.83
Pit width (m)	0.60
Pit length (m)	1.30
Depth to standing water (m)	

Test 1	
Time (min)	Depth (m)
0.0	0.32
1.0	0.33
2.0	0.33
3.0	0.33
4.0	0.34
5.0	0.35
6.0	0.35
7.0	0.36
8.0	0.36
9.0	0.36
10.0	0.36
15.0	0.37
29.0	0.40
57.0	0.45
99.0	0.51
209.0	0.67
264.0	0.83

Test 2	
Time (min)	Depth (m)

Test 3	
Time (min)	Depth (m)



Max. depth (m)	0.83	0.83	0.83
Effective depth (m)	0.51	0.83	0.83
75% effective depth (m)	0.45	0.21	0.21
50% effective depth (m)	0.58	0.42	0.42
25% effective depth (m)	0.70	0.62	0.62
t75 (min)	57.00		
t50 (min)	152.00		
t25 (min)	220.00		
Vp 75-25	0.20	0.32	0.32
ap 50	1.749	2.357	2.357
tp 75-25	163.00	0.00	0.00

Soil infiltration rate (m/s)	1.2E-05	
Soil infiltration rate (mm/hr)	4.19E+01	



Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Geo-Environmental www.gesl.net

Trial Pit Log

Trial Pit No

TP301

Sheet 1 of 1

Project Name: Yapton Lane, Walberton

Project No.
GE19427

Co-ords: 497655.65 - 105401.04
Level: 12.74

Date
12/04/2021

Location: Yapton Lane, Walberton BN18 0AS

Dimensions (m): 1.80

Depth
1.65

0.50

Scale
1:25

Logged
RG

Client: LandQuest UK

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	12.44		Crops over brown silty slightly sandy slightly gravelly CLAY with frequent rootlets. Sand is fine. Gravel is fmc subangular. TOPSOIL
				1.20	11.54		Firm light brown slightly silty slightly sandy CLAY. Sand is fine. RIVER TERRACE DEPOSITS
				1.65	11.09		Firm light brown and yellowish brown slightly sandy gravelly CLAY. Sand is fine. Gravel is fmc subangular flint. RIVER TERRACE DEPOSITS
							End of Pit at 1.65m

Water Strike	Remarks	Dry
Depth Strike	Stability	





Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Geo-Environmental www.gesl.net

Trial Pit Log

Trial Pit No

TP302

Sheet 1 of 1

Project Name: Yapton Lane, Walberton

Project No.
GE19427

Co-ords: 497609.87 - 105440.58
Level: 13.11

Date
12/04/2021

Location: Yapton Lane, Walberton BN18 0AS

Dimensions (m):

1.95

Depth
1.95

0.50

Scale
1:25

Logged
RG

Client: LandQuest UK

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.30	12.81		Crops over brown silty slightly sandy slightly gravelly CLAY with frequent rootlets. Sand is fine. Gravel is fmc subangular. TOPSOIL	
				1.20	11.91		Firm light brown slightly silty slightly sandy CLAY. Sand is fine. RIVER TERRACE DEPOSITS	1
				1.95	11.16		Firm light brown and yellowish brown slightly sandy gravelly CLAY. Sand is fine. Gravel is fmc subangular flint. RIVER TERRACE DEPOSITS	2
							End of Pit at 1.95m	3
								4
								5

Water Strike	Remarks	Dry
Depth Strike	Stability	





Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Geo-Environmental www.gesl.net

Trial Pit Log

Trial Pit No

TP303

Sheet 1 of 1

Project Name: Yapton Lane, Walberton

Project No.
GE19427

Co-ords: 497546.35 - 105411.05
Level: 13.11

Date
12/04/2021

Location: Yapton Lane, Walberton BN18 0AS

Dimensions (m): 1.87

Depth
1.90

0.50



Scale
1:25

Logged
RG

Client: LandQuest UK

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.30	12.81		Crops over brown silty slightly sandy slightly gravelly CLAY with frequent rootlets. Sand is fine. Gravel is fmc subangular. TOPSOIL	
				1.10	12.01		Firm light brown slightly silty slightly sandy CLAY. Sand is fine. RIVER TERRACE DEPOSITS	1
				1.90	11.21		Firm light brown and yellowish brown slightly sandy gravelly CLAY. Sand is fine. Gravel is fmc subangular flint. RIVER TERRACE DEPOSITS	
							End of Pit at 1.90m	2
								3
								4
								5

Water Strike	Remarks	Dry
Depth Strike	Stability	





Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Geo-Environmental www.gesl.net

Trial Pit Log

Trial Pit No

TP304

Sheet 1 of 1

Project Name: Yapton Lane, Walberton

Project No.
GE19427

Co-ords: 497515.71 - 105465.34
Level: 13.14

Date
12/04/2021

Location: Yapton Lane, Walberton BN18 0AS

Dimensions (m):
Depth 1.35

1.35

Scale
1:25

Logged
RG

Client: LandQuest UK

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	12.84		Crops over brown silty slightly sandy slightly gravelly CLAY with frequent rootlets. Sand is fine. Gravel is fmc subangular. TOPSOIL
				0.90	12.24		Firm light brown slightly silty slightly sandy CLAY. Sand is fine. RIVER TERRACE DEPOSITS
				1.35	11.79		Firm light brown and yellowish brown slightly sandy gravelly CLAY. Sand is fine. Gravel is fmc subangular flint. RIVER TERRACE DEPOSITS
							End of Pit at 1.35m

Water Strike	Remarks	Dry
Depth Strike	Stability	





Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Geo-Environmental www.gesl.net

Trial Pit Log

Trial Pit No

TP305

Sheet 1 of 1

Project Name: Yapton Lane, Walberton

Project No.
GE19427

Co-ords: 497464.71 - 105572.82
Level: 13.32

Date
12/04/2021

Location: Yapton Lane, Walberton BN18 0AS

Dimensions (m):

1.60

Depth
1.60

0.50

Scale
1:25

Logged
RG

Client: LandQuest UK

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.30	13.02		Crops over brown silty slightly sandy slightly gravelly CLAY with frequent rootlets. Sand is fine. Gravel is fmc subangular. TOPSOIL
				1.10	12.22		Firm light brown slightly silty slightly sandy CLAY. Sand is fine. RIVER TERRACE DEPOSITS
				1.60	11.72		Firm light brown and yellowish brown slightly sandy gravelly CLAY. Sand is fine. Gravel is fmc subangular flint. RIVER TERRACE DEPOSITS
							End of Pit at 1.60m

Water Strike	Remarks	Dry
Depth Strike	Stability	



 Geo-Environmental	Soakaway Test Results BRE Digest 365) (after	Geo-Environmental Services Limited Unit 7 Danworth Farm, Cuckfield Road, Hurstpierpoint, West Sussex BN6 9GL [REDACTED]
Project Name : Yapton Lane, Walberton		Job No. : GE19427a
Client : LandQuest UK		Date : 15/04/2021

Pit reference	TP301
Pit depth (m)	1.65
Pit width (m)	0.50
Pit length (m)	1.80
Depth to standing water (m)	

Test 1

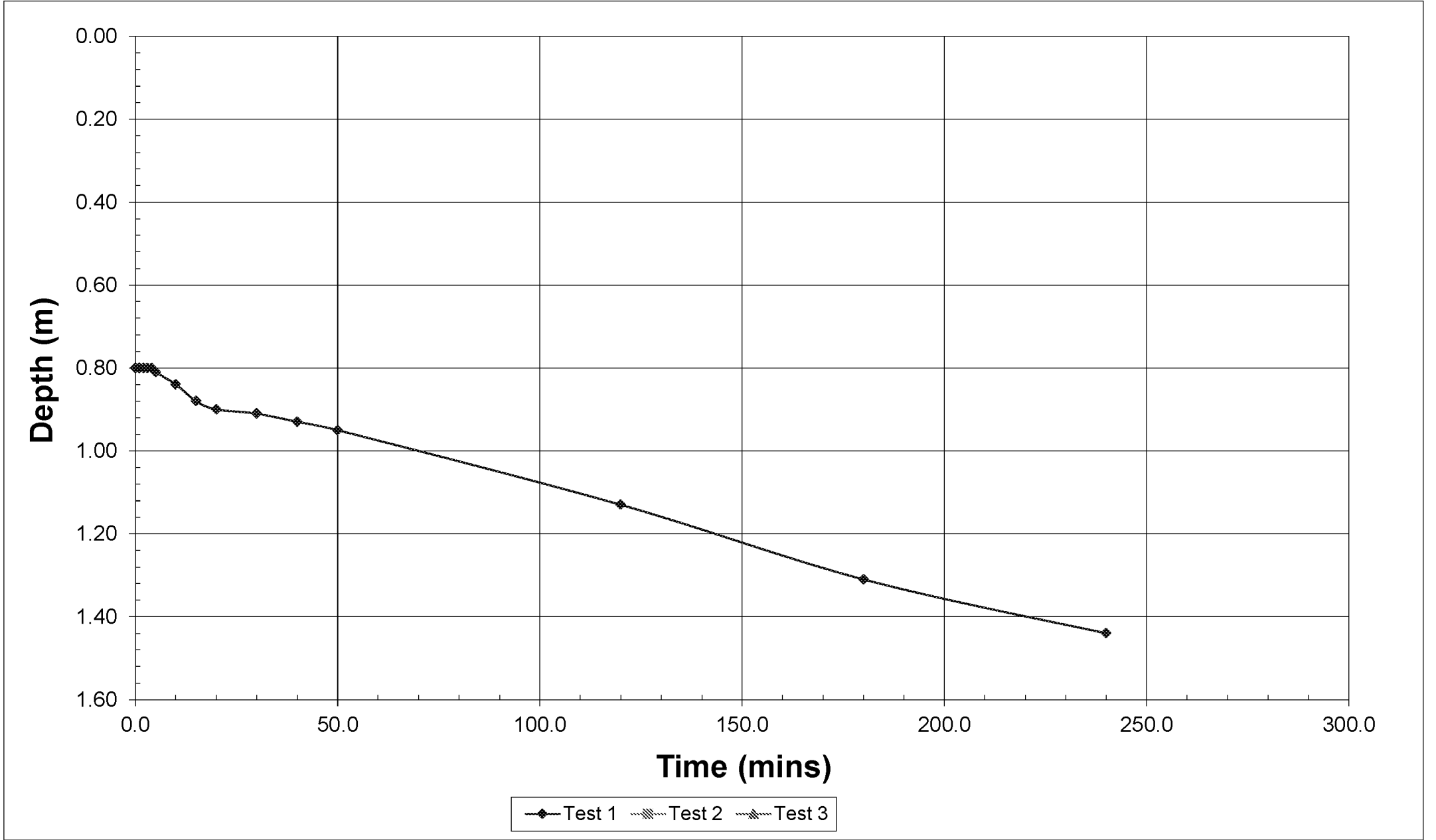
Time (min)	Depth (m)
0.0	0.80
1.0	0.80
2.0	0.80
3.0	0.80
4.0	0.80
5.0	0.81
10.0	0.84
15.0	0.88
20.0	0.90
30.0	0.91
40.0	0.93
50.0	0.95
120.0	1.13
180.0	1.31
240.0	1.44

Test 2

Time (min)	Depth (m)

Test 3

Time (min)	Depth (m)



Max. depth (m)	1.65	1.65	1.65
Effective depth (m)	0.85	1.65	1.65
75% effective depth (m)	1.01	0.41	0.41
50% effective depth (m)	1.23	0.83	0.83
25% effective depth (m)	1.44	1.24	1.24
t75 (min)	70.00		
t50 (min)	160.00		
t25 (min)	240.00		
Vp 75-25	0.38	0.74	0.74
ap 50	2.855	4.695	4.695
tp 75-25	170.00	0.00	0.00

Soil infiltration rate (m/s)	1.3E-05		
Soil infiltration rate (mm/hr)	4.73E+01		

 Geo-Environmental	Soakaway Test Results BRE Digest 365) (after	Geo-Environmental Services Limited Unit 7 Danworth Farm, Cuckfield Road, Hurstpierpoint, West Sussex BN6 9GL +44 (0)1293 751111
Project Name : Yapton Lane, Walberton		Job No. : GE19427a
Client : LandQuest UK		Date : 15/04/2021

Pit reference	TP302	Test 2	Test 3
Pit depth (m)	1.95	1.90	1.85
Pit width (m)	0.50		
Pit length (m)	1.95		
Depth to standing water (m)			

Test 1

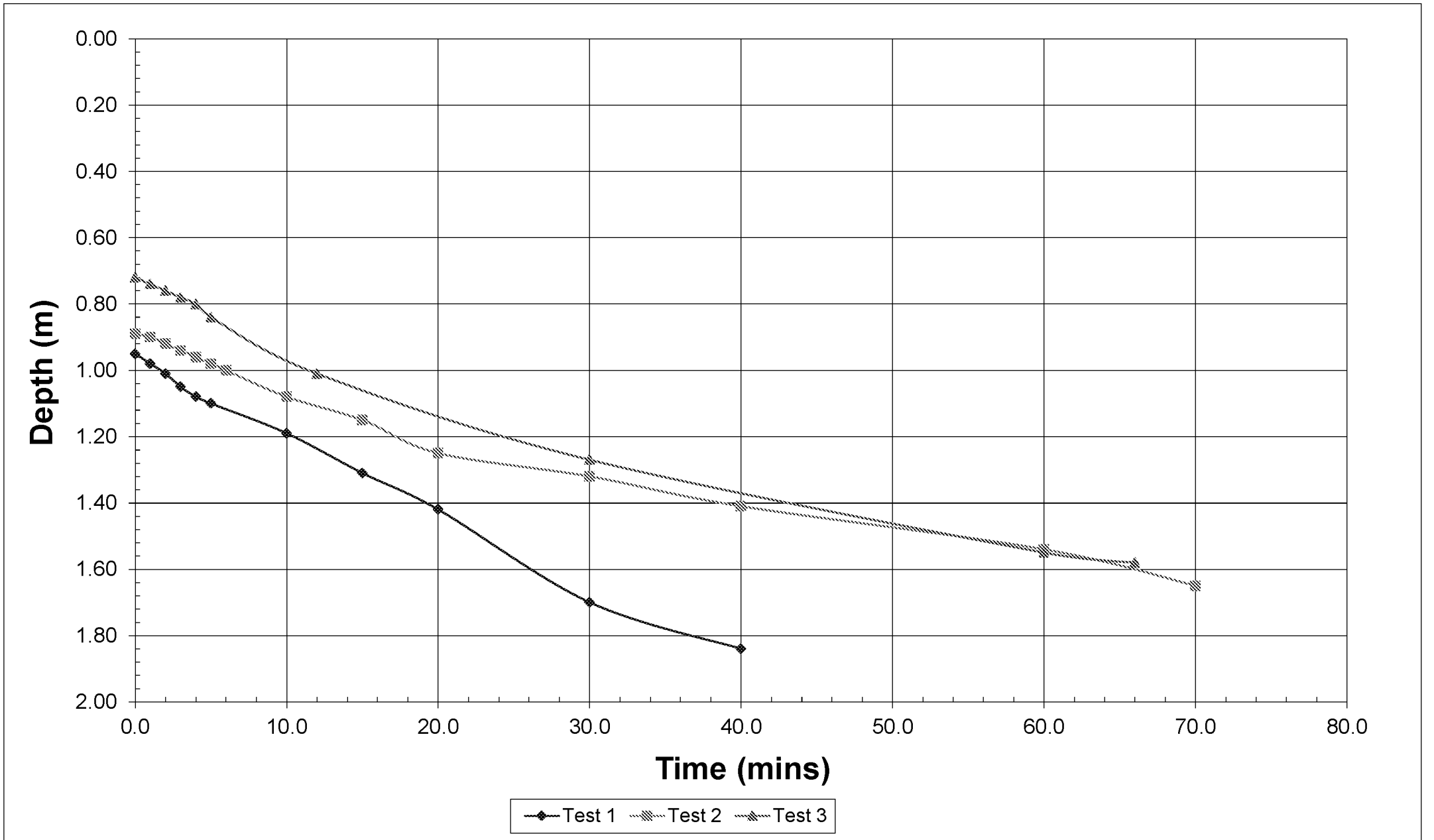
Time (min)	Depth (m)
0.0	0.95
1.0	0.98
2.0	1.01
3.0	1.05
4.0	1.08
5.0	1.10
10.0	1.19
15.0	1.31
20.0	1.42
30.0	1.70
40.0	1.84

Test 2

Time (min)	Depth (m)
0.0	0.89
1.0	0.90
2.0	0.92
3.0	0.94
4.0	0.96
5.0	0.98
6.0	1.00
10.0	1.08
15.0	1.15
20.0	1.25
30.0	1.32
40.0	1.41
60.0	1.54
70.0	1.65

Test 3

Time (min)	Depth (m)
0.0	0.72
1.0	0.74
2.0	0.76
3.0	0.78
4.0	0.80
5.0	0.84
12.0	1.01
30.0	1.27
60.0	1.55
66.0	1.58



Max. depth (m)	1.95	1.90	1.85
Effective depth (m)	1.00	1.06	1.23
75% effective depth (m)	1.20	1.14	1.00
50% effective depth (m)	1.45	1.40	1.29
25% effective depth (m)	1.70	1.65	1.57
t75 (min)	10.00	14.00	12.00
t50 (min)	22.00	40.00	32.00
t25 (min)	30.00	70.00	65.00
Vp 75-25	0.49	0.49	0.55
ap 50	3.425	3.572	3.9885
tp 75-25	20.00	56.00	53.00

Soil infiltration rate (m/s)	1.2E-04	4.1E-05	4.3E-05
Soil infiltration rate (mm/hr)	4.27E+02	1.48E+02	1.56E+02

 Geo-Environmental	Soakaway Test Results BRE Digest 365) (after	Geo-Environmental Services Limited Unit 7 Danworth Farm, Cuckfield Road, Hurstpierpoint, West Sussex BN6 9GL [REDACTED]
Project Name : Yapton Lane, Walberton		Job No. : GE19427a
Client : LandQuest UK		Date : 15/04/2021

Pit reference	TP304
Pit depth (m)	1.35
Pit width (m)	0.50
Pit length (m)	1.70
Depth to standing water (m)	

Test 1

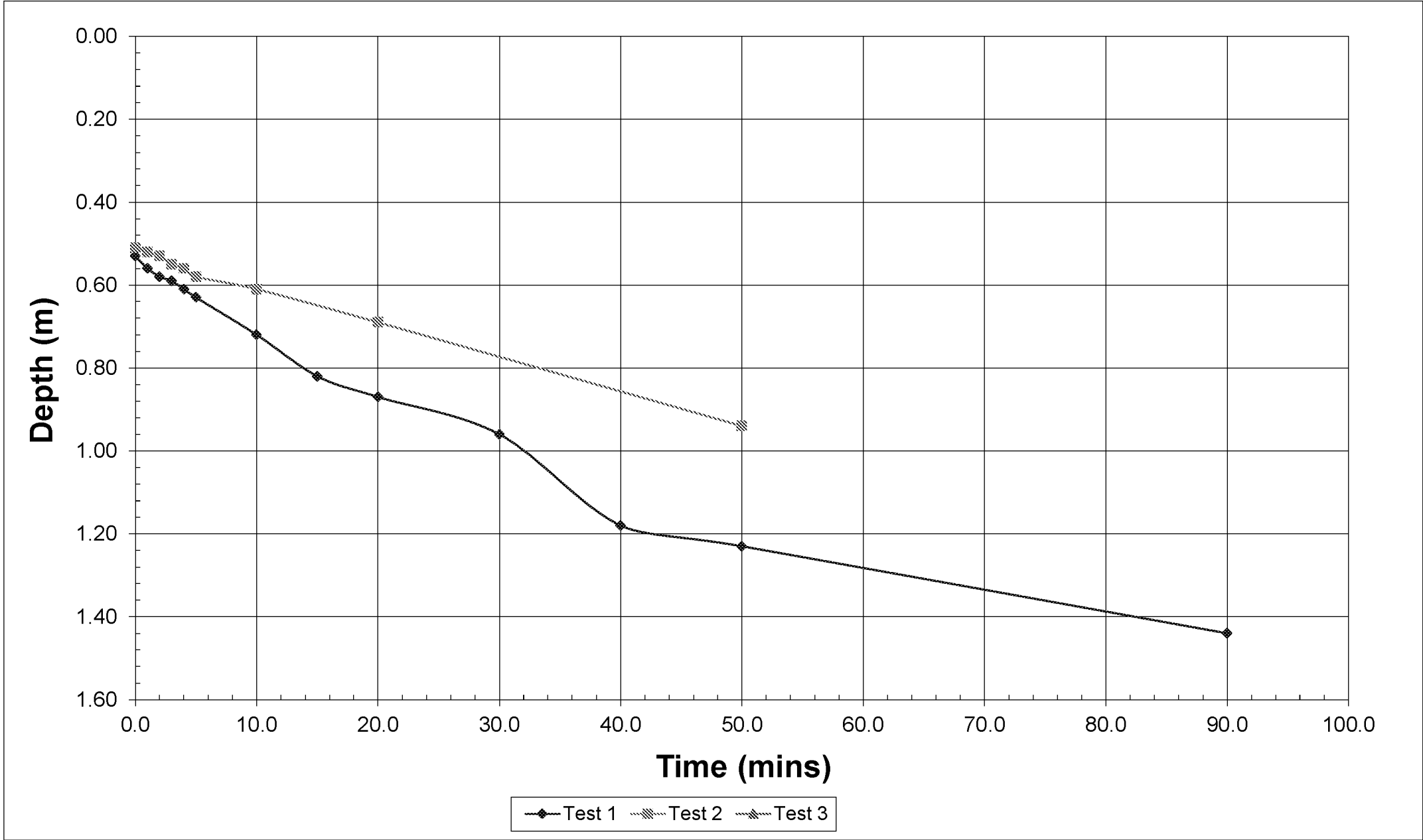
Time (min)	Depth (m)
0.0	0.53
1.0	0.56
2.0	0.58
3.0	0.59
4.0	0.61
5.0	0.63
10.0	0.72
15.0	0.82
20.0	0.87
30.0	0.96
40.0	1.18
50.0	1.23
90.0	1.44

Test 2

Time (min)	Depth (m)
0.0	0.51
1.0	0.52
2.0	0.53
3.0	0.55
4.0	0.56
5.0	0.58
10.0	0.61
20.0	0.69
50.0	0.94

Test 3

Time (min)	Depth (m)



Max. depth (m)	1.35	1.35	1.35
Effective depth (m)	0.82	0.84	1.35
75% effective depth (m)	0.74	0.72	0.34
50% effective depth (m)	0.94	0.93	0.68
25% effective depth (m)	1.15	1.14	1.01
t75 (min)	12.00	28.00	
t50 (min)	28.00	54.00	
t25 (min)	38.00		
Vp 75-25	0.35	0.36	0.57
ap 50	2.654	2.698	3.82
tp 75-25	26.00	-28.00	0.00

Soil infiltration rate (m/s)	8.4E-05	-7.9E-05	
Soil infiltration rate (mm/hr)	3.03E+02	-2.84E+02	

 Geo-Environmental	Soakaway Test Results BRE Digest 365) (after	Geo-Environmental Services Limited Unit 7 Danworth Farm, Cuckfield Road, Hurstpierpoint, West Sussex BN6 9GL [REDACTED]
Project Name : Yapton Lane, Walberton		Job No. : GE19427a
Client : LandQuest UK		Date : 15/04/2021

Pit reference	TP305
Pit depth (m)	1.60
Pit width (m)	0.50
Pit length (m)	1.60
Depth to standing water (m)	

Test 1

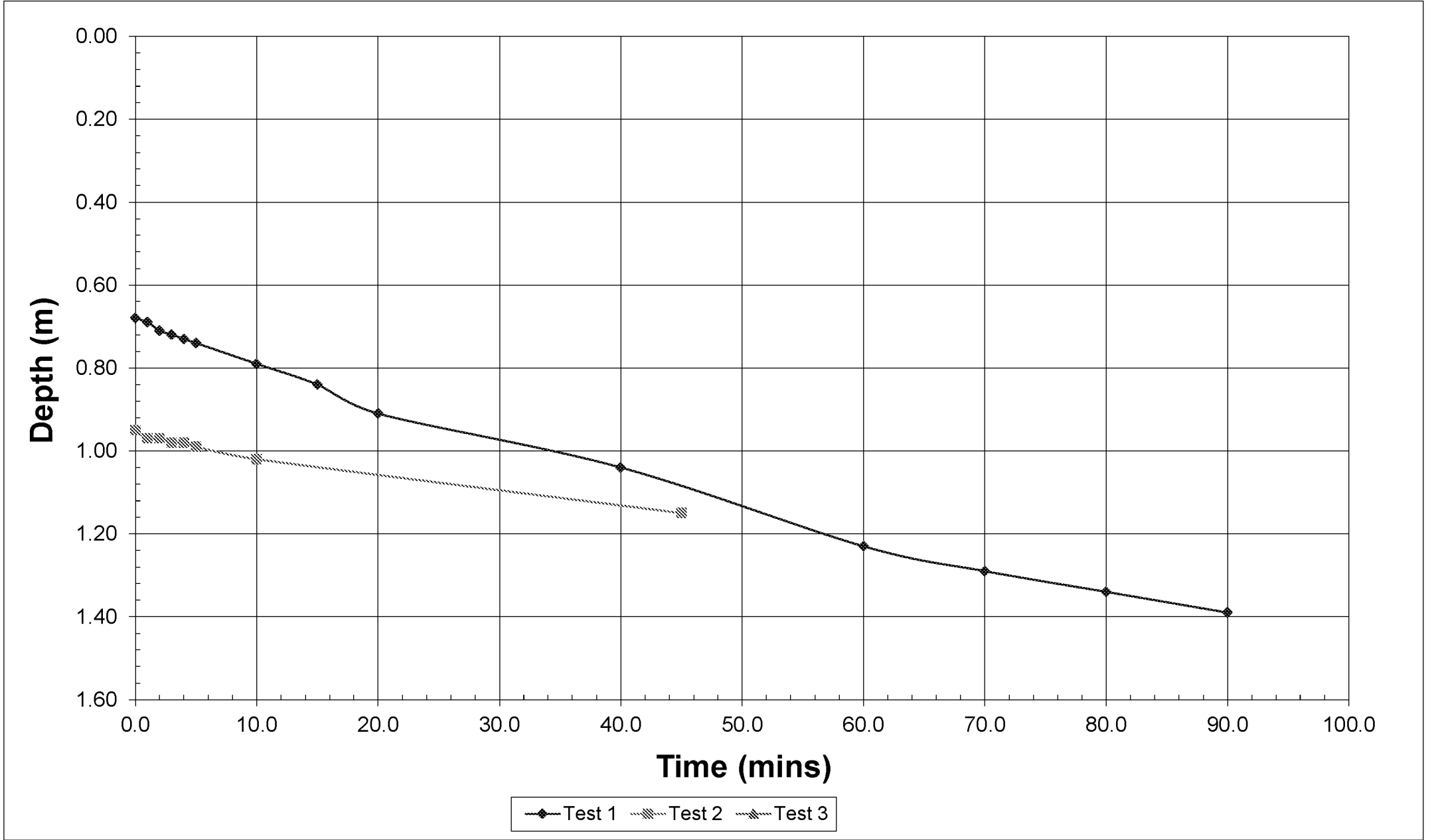
Time (min)	Depth (m)
0.0	0.68
1.0	0.69
2.0	0.71
3.0	0.72
4.0	0.73
5.0	0.74
10.0	0.79
15.0	0.84
20.0	0.91
40.0	1.04
60.0	1.23
70.0	1.29
80.0	1.34
90.0	1.39

Test 2

Time (min)	Depth (m)
0.0	0.95
1.0	0.97
2.0	0.97
3.0	0.98
4.0	0.98
5.0	0.99
10.0	1.02
45.0	1.15

Test 3

Time (min)	Depth (m)



Max. depth (m)	1.60	1.60	1.60
Effective depth (m)	0.92	0.65	1.60
75% effective depth (m)	0.91	1.11	0.40
50% effective depth (m)	1.14	1.28	0.80
25% effective depth (m)	1.37	1.44	1.20
t75 (min)	20.00		
t50 (min)	50.00		
t25 (min)	88.00		
Vp 75-25	0.37	0.26	0.64
ap 50	2.732	2.165	4.16
tp 75-25	68.00	0.00	0.00

Soil infiltration rate (m/s)	3.3E-05		
Soil infiltration rate (mm/hr)	1.19E+02		