

Project Name Land at Noggin Farm, Herefordshire		Project No. 6176	Date 05/07/2018 to 05/07/2018		Hole Type TP
Client Boulton Brooks Limited		Co-ords E: 393326.00 N: 234290.00 L:	Water Strike Details		Logged By KS
			Depth Strike	Remarks	
Contractor Roberts Plant Engineers Limited	Plant Used Doosan 8 tonne tracked excavator.				Approved By PS
				Scale 1:50	

[illegible]

Trial Pit Photographs



Remarks

Pit terminated on bedrock. Large scale soakaway carried out within excavation. Pit backfilled with arisings upon completion.

Pit Stability:	Stable
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Notes: For all symbols and abbreviations please see key sheet. All depths and measurements in metres. Stratum thicknesses given in brackets.

2.30m

0.60m

Final Depth	1.10m
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ANNEX B
In-situ Permeability Calculation Sheets

Site Name:	Noggins Farm, Much Marcle	Date Undertaken:	05/07/2018
Trial Pit No.:	TP1		
Job No.:	6176		
Test No.:	1		

(Top of test / effective depth - 100%)

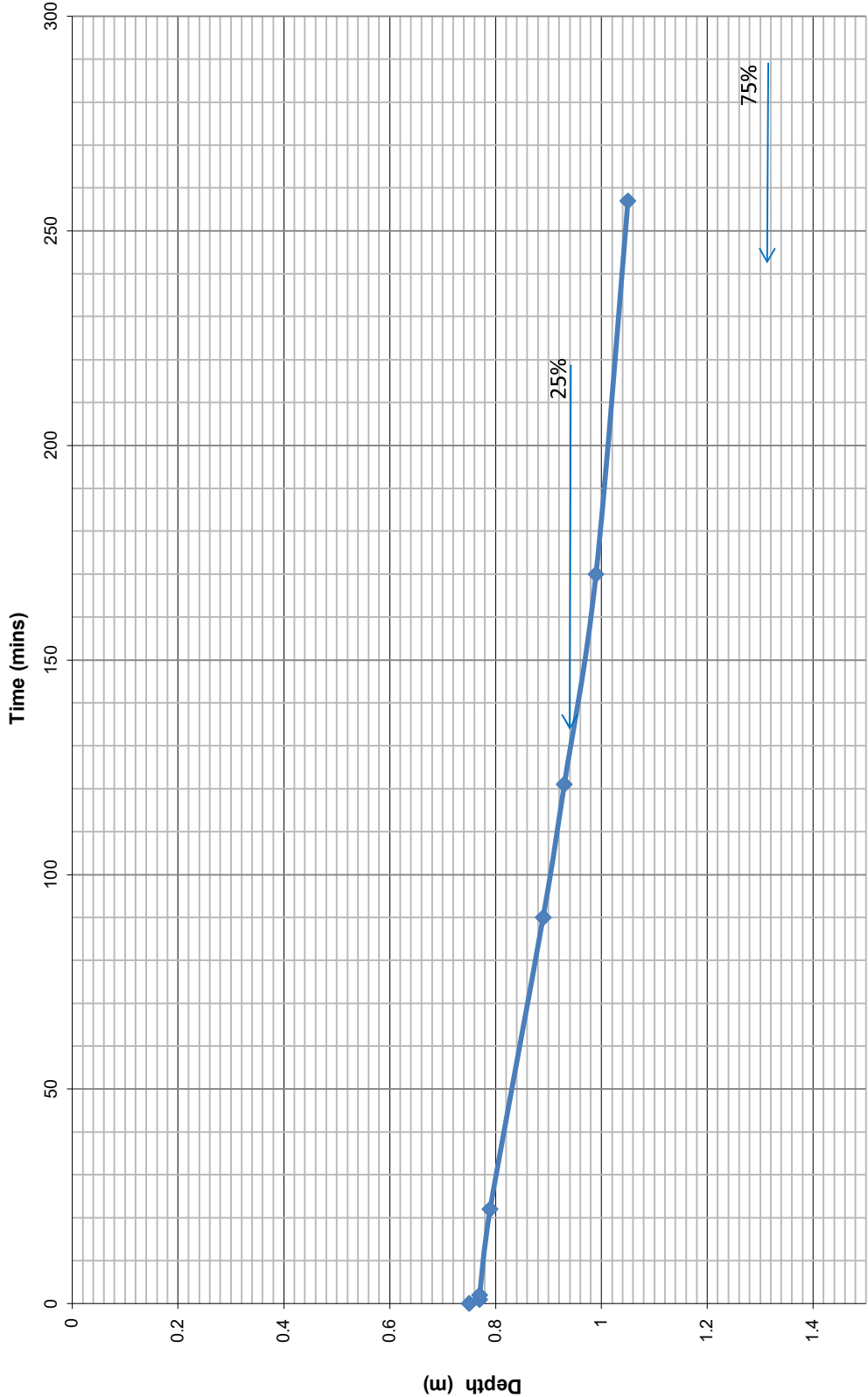
	Depth to Water (m)	Time (Mins)
Top of test / effective depth - 100%)	0.75	0
	0.77	1
	0.77	2
	0.79	22
	0.89	90
	0.93	121
	0.99	170
	1.05	257
(Base of pit / effective depth - 0%)	1.500	

(Base of pit / effective depth - 0%)

Length of Trial Pit (m)	2.8
Width of Trial Pit (m)	0.6
Depth of Trial Pit (m)	1.5
Effective Storage Depth (m)	0.750
Vp25	0.9375
Vp75	1.3125
Vp75-25	0.630
50% effective depth (m)	0.375
Mean Surface area ap50 (m2)	4.230
Time for 25% Outflow (tp25)	135
Time for 75% Outflow (tp75)	-

Soil Infiltration Rate (m/s)

Soil Infiltration Measurements - TP01, Test 1



Site Name:	Noggins Farm, Much Marcle	Date Undertaken:	05/07/2018
Trial Pit No.:	TP2		
Job No.:	6176		
Test No.:	1		

(Top of test / effective depth - 100%)

	Depth to Water (m)	Time (Mins)
Top of test / effective depth - 100%)	0.52	0
	0.53	1
	0.54	2
	0.57	44
	0.59	94
	0.61	182
(Base of pit / effective depth - 0%)	1.500	

(Base of pit / effective depth - 0%)

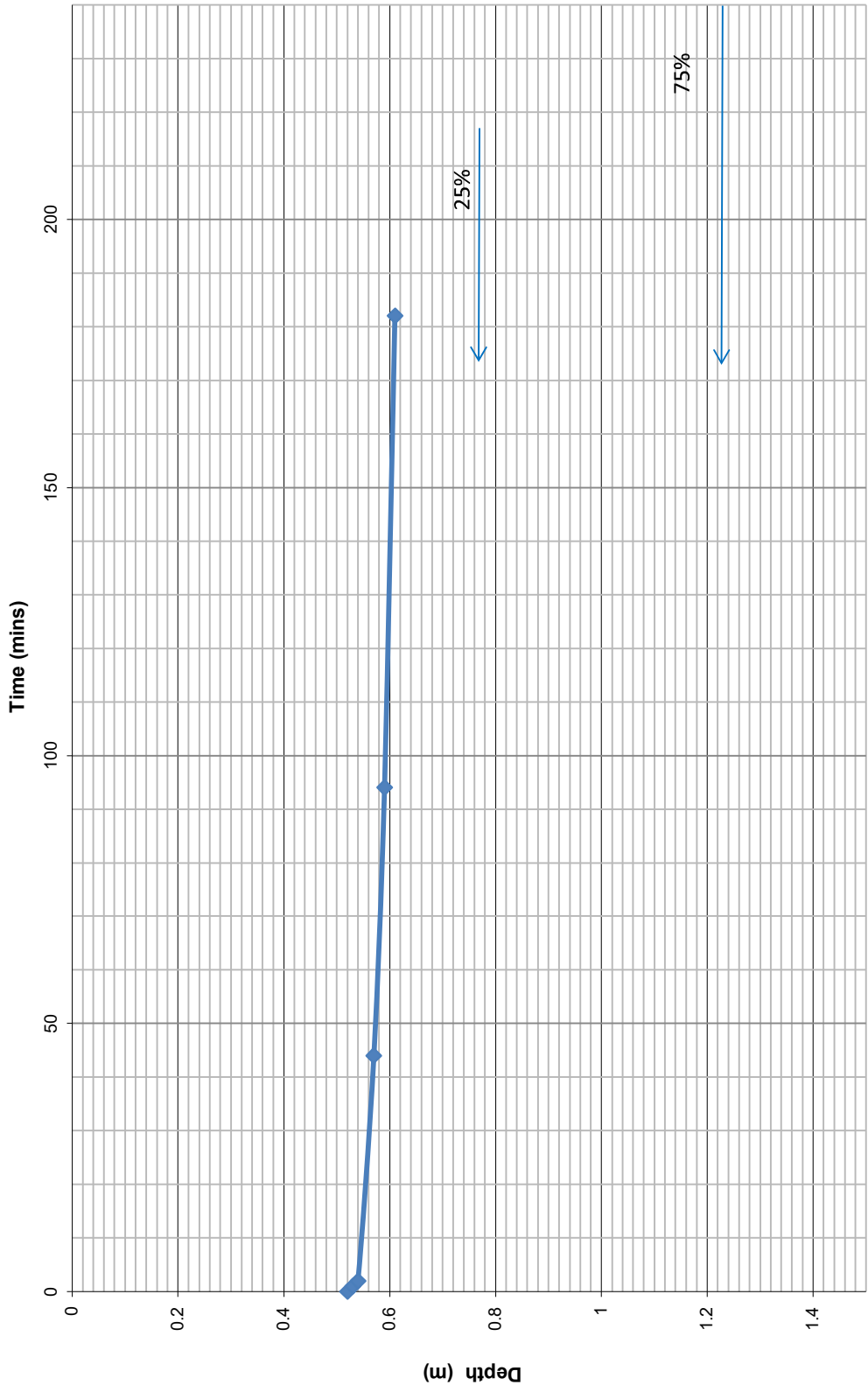
Length of Trial Pit (m)	2.6
Width of Trial Pit (m)	0.6
Depth of Trial Pit (m)	1.5
Effective Storage Depth (m)	0.980
Vp25	0.7650
Vp75	1.2550
Vp75-25	0.764
50% effective depth (m)	0.490
Mean Surface area ap50 (m2)	4.696
Time for 25% Outflow (tp25)	-
Time for 75% Outflow (tp75)	-

tp75 - 25

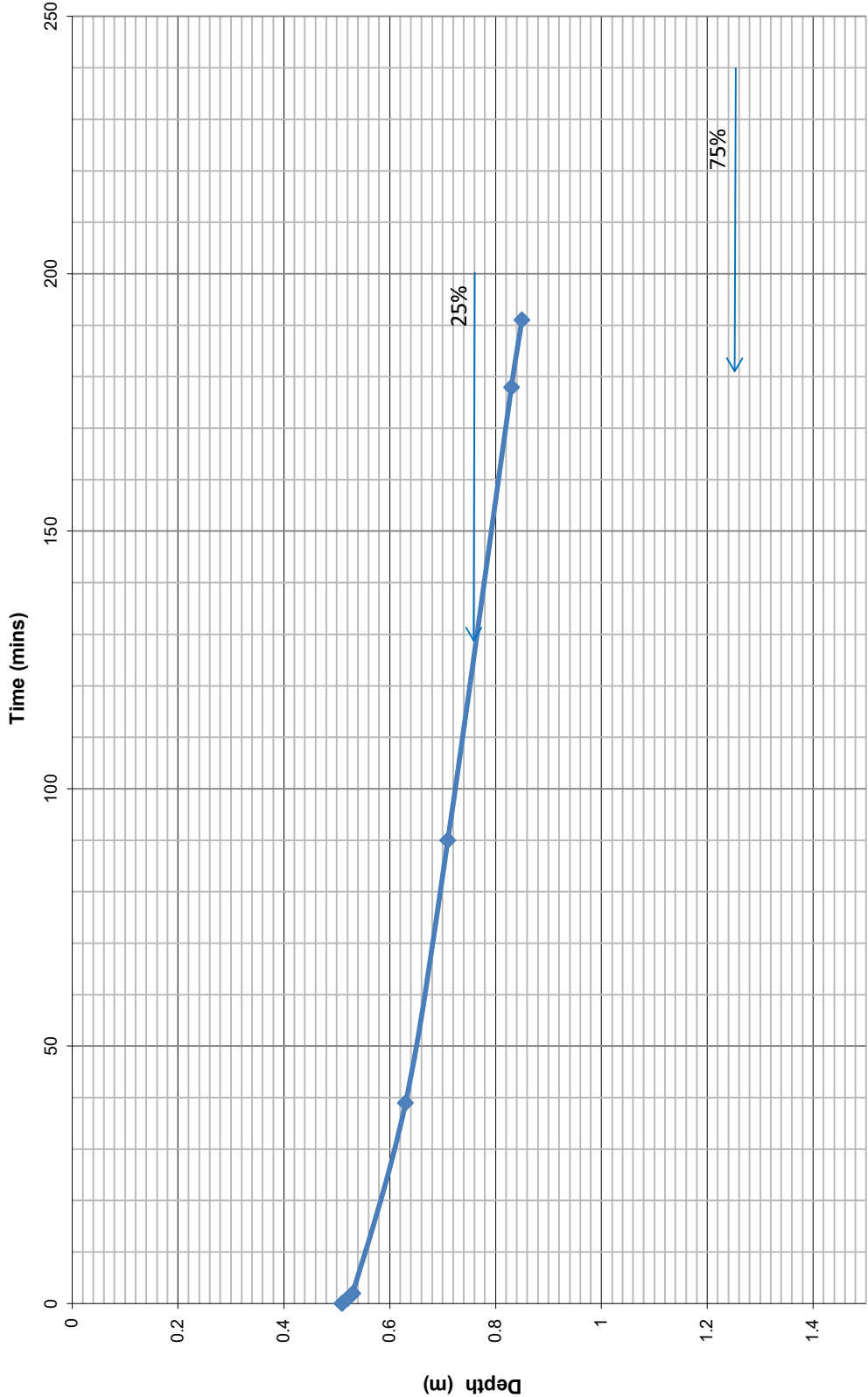
Soil Infiltration Rate (m/s)

Not possible to determine due to very slow drainage of water

Soil Infiltration Measurements - TP2, Test 1



Soil Infiltration Measurements - TP3, Test 1



Date Undertaken: 05/07/2018

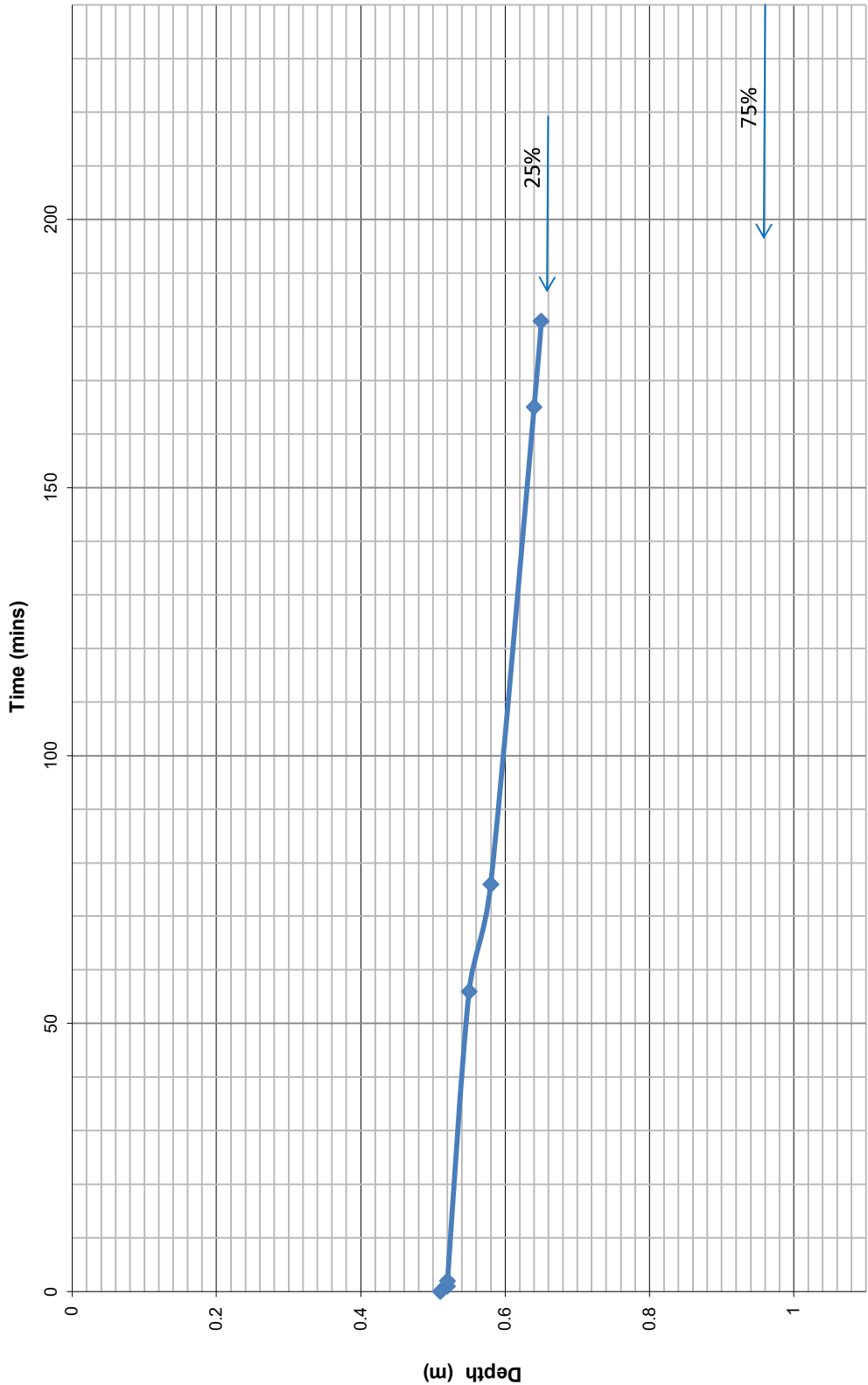
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1.100	
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Length of Trial Pit (m)
Width of Trial Pit (m)
Depth of Trial Pit (m)
Effective Storage Depth (m)
Vp25
Vp75
Vp75-25
50% effective depth (m)
Mean Surface area ap50 (m2)
Time for 25% **Outflow** (tp25)
Time for 75% **Outflow** (tp75)

Soil Infiltration Rate (m/s)

Soil Infiltration Measurements - TP4, Test 1



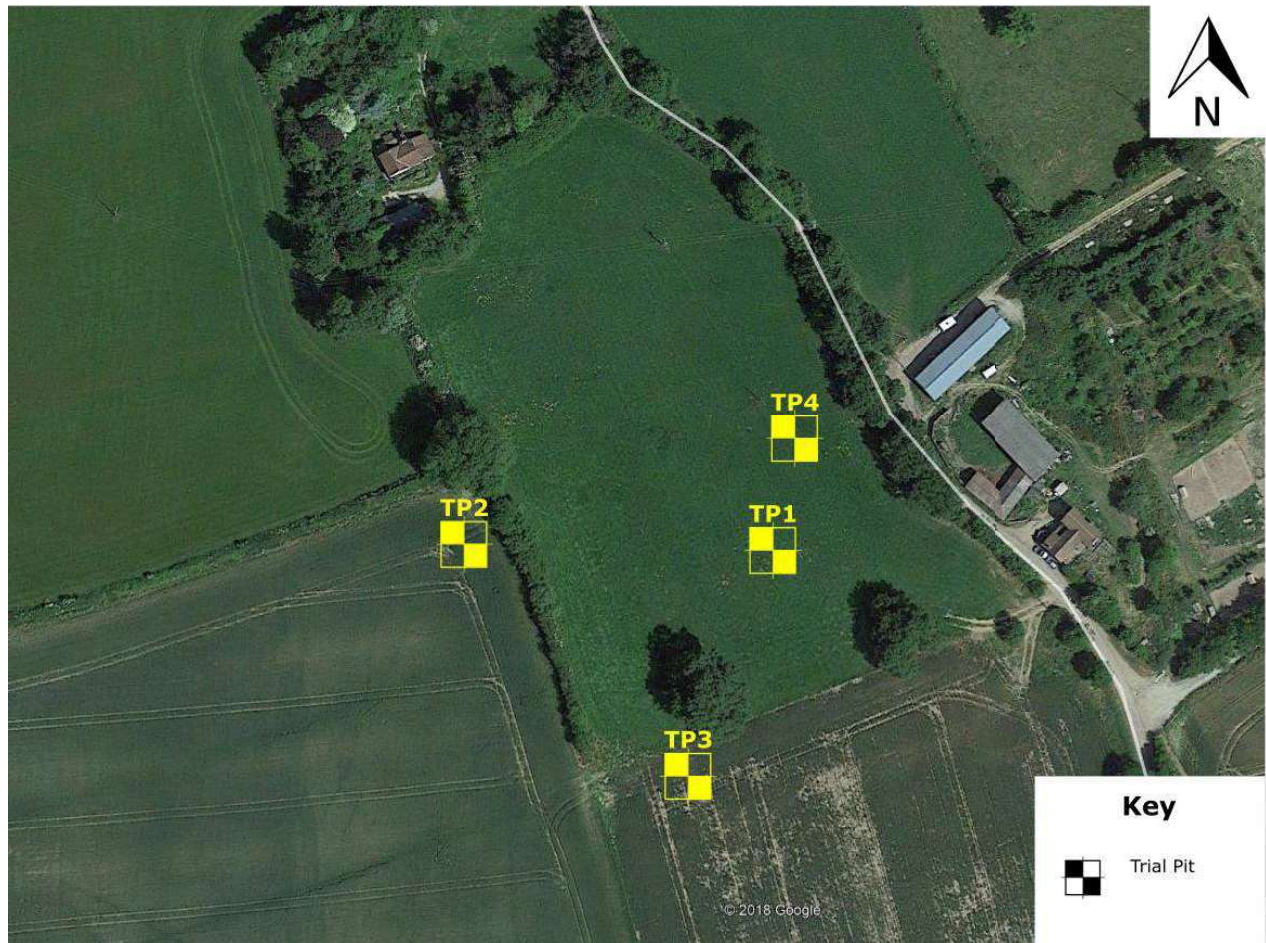


TERRA FIRMA (SOUTH)

The Slate Barn
Lower Lowley
Dunsford
Exeter
EX6 7BP
Tel. 01647 252414

Project: Noggin Farm, Much Marcle

Drawing 01 – Site Location
NTS



TERRA FIRMA (SOUTH)

The Slate Barn
Lower Lowley
Dunsford
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EX6 7BP
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Project: Noggin Farm, Much Marcle

**Drawing 02 – Exploratory Hole
Location Plan (NTS)**