Percolation Test Report

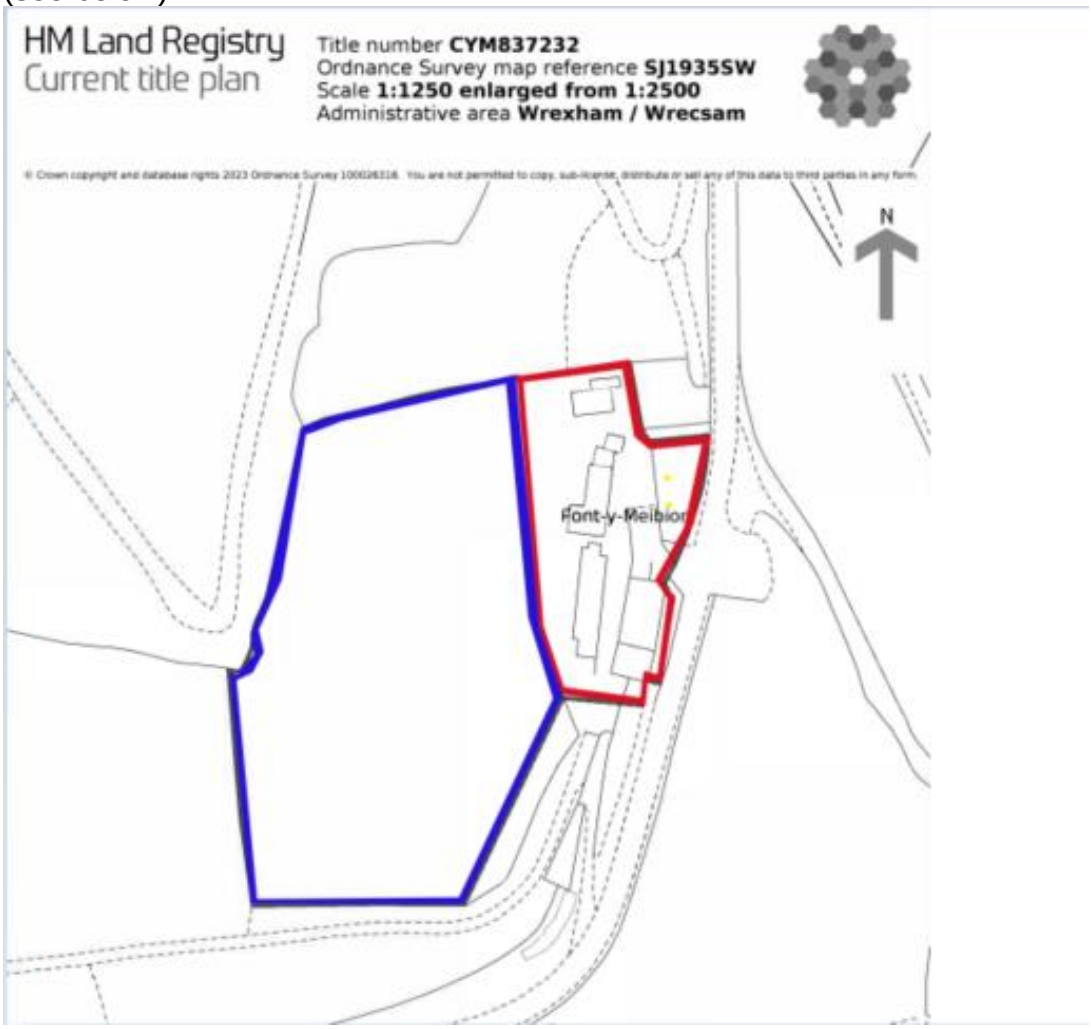
Pont Y Meibion, Tregeiriog, LL20 7HS

Report Date - 03 October 2025

1. Site Details

Garden to front of Pont Y Meibion, Tregeiriog, LL20 7HS

Figure 1: Location plan – Yellow dots denote approximate locations of test pits (see below)



Location of Test Pits (GPS to 2m accuracy)

TP1: Latitude 52.908711, Longitude -3.198641

TP2: Latitude 52.908657, Longitude -3.198677

Dates of Testing:
- TP1: 01 - 02 October 2025
- TP2: 01 - 03 October 2025
Conditions: Overcast, 8–13°C, no active precipitation during the period of testing

Land Gradient:
The land slopes away from the test pits in an easterly direction.

Vegetation:
Garden area with field grass, clover, and dandelions.

2. Soil Profile

TP1 & TP2 (0–300mm):
Dark blackish-grey topsoil over orange-brown clay-silt with stony components.

3. Test Results Summary

Test Pit (TP)	Water Depth (mm)	Time (s)	VP = T / 150	Occupant Capacity (P)	Min Area A = P × VP × 0.25	Min Area (Secondary Treatment) A = P × VP × 0.2
TP1	300	6900	46.00	12	92.00	110.40
	300	7380	49.20	12	98.40	118.08
	300	6540	43.60	12	87.20	104.64
TP2	300	9240	61.60	12	123.00	147.84
	300	8640	57.60	12	115.20	138.24
	300	9660	64.40	12	128.80	154.56
		Average VP	**53.73**	**Average Area**	**107.43**	**128.96**

Note: For wastewater that has received secondary treatment followed by settlement, the required area may be reduced by 20%.

4. Photographic Record

Photos were taken as soon as practicable after timing stopped, usually within one minute after each test.

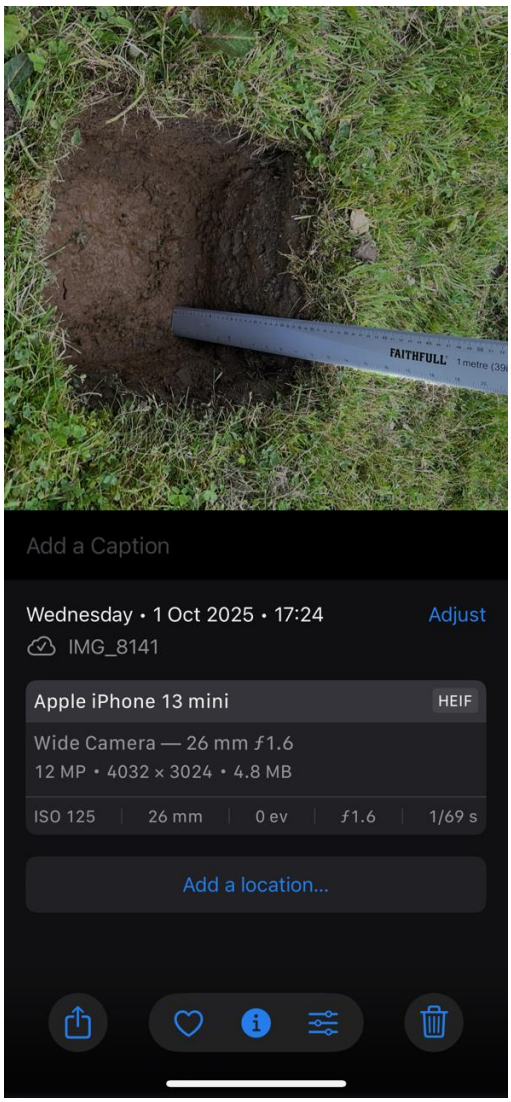
TP1 and TP2 images include, pit as dug, water levels at 225mm and 75mm for each of the three test repetitions.

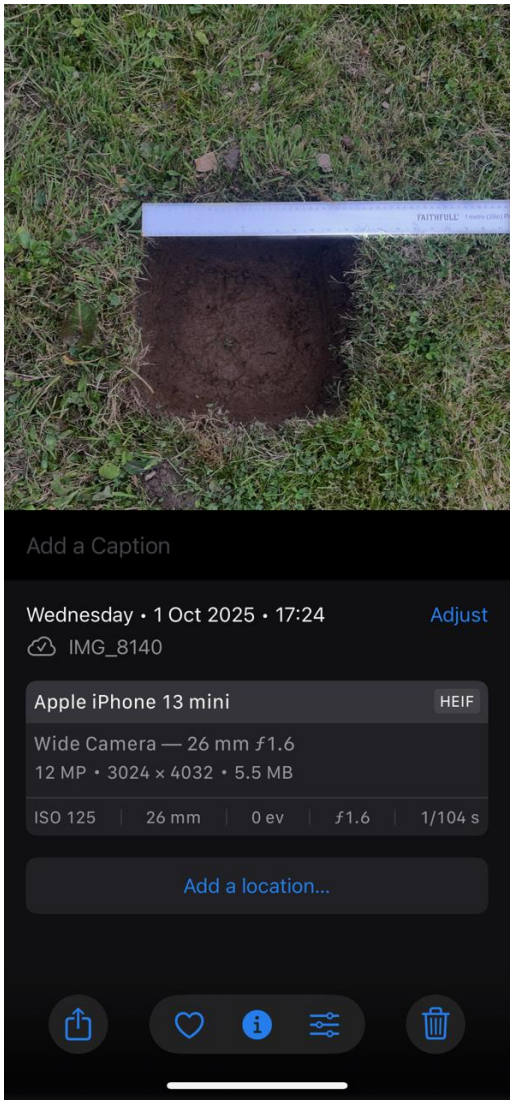
5. Conducted by

Dr Martin Obbard

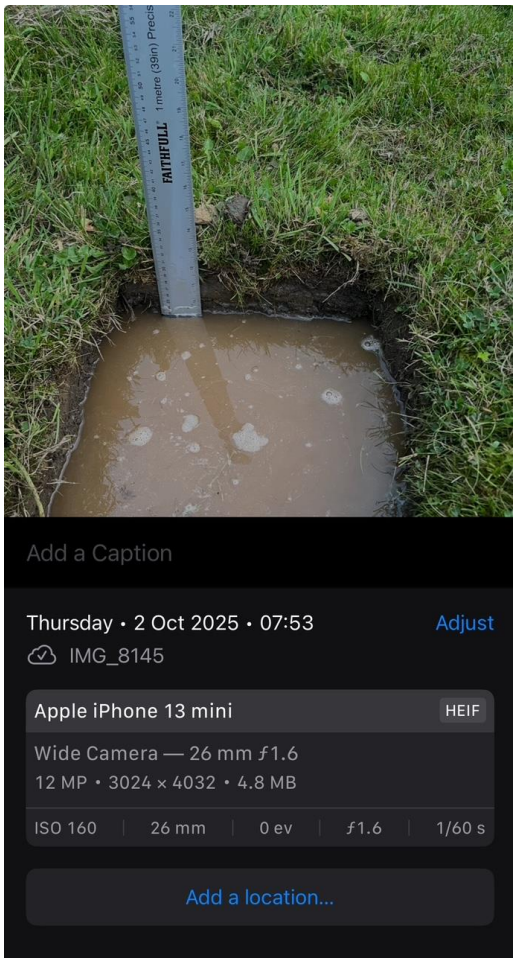
Email: martin.obbard@wales.nhs.uk

TP1 – As Dug

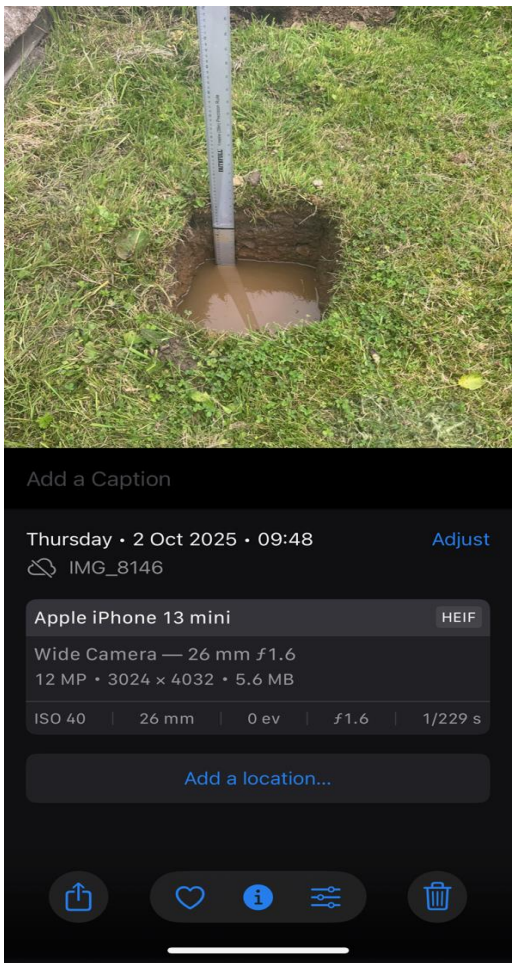




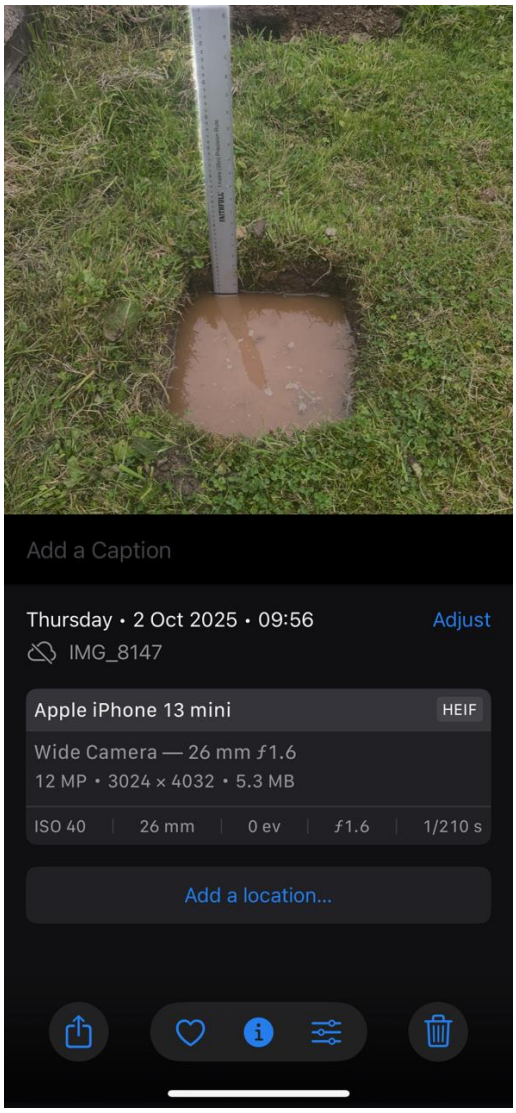
TP1:Test (i) 225mm



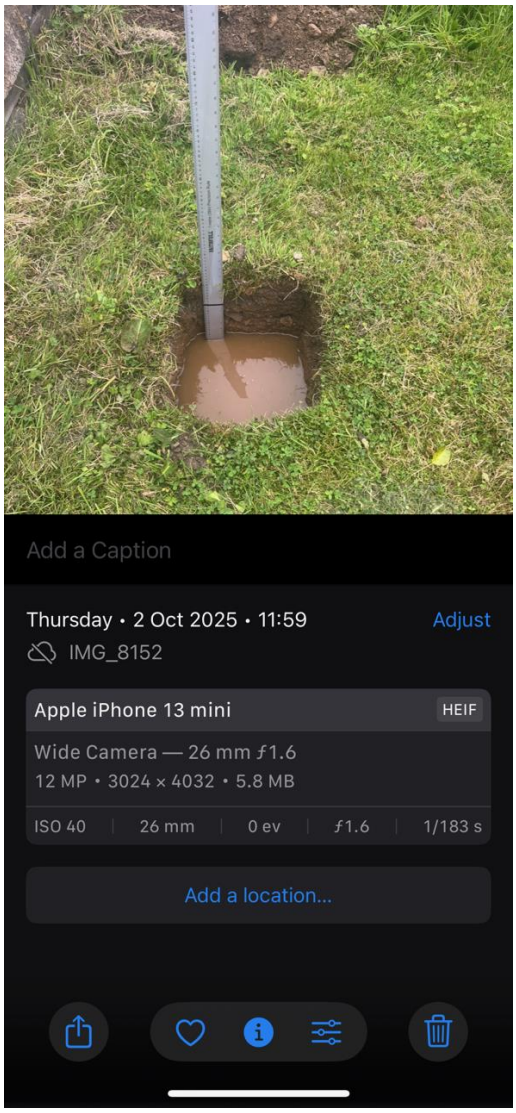
TP1:Test (i) 75mm



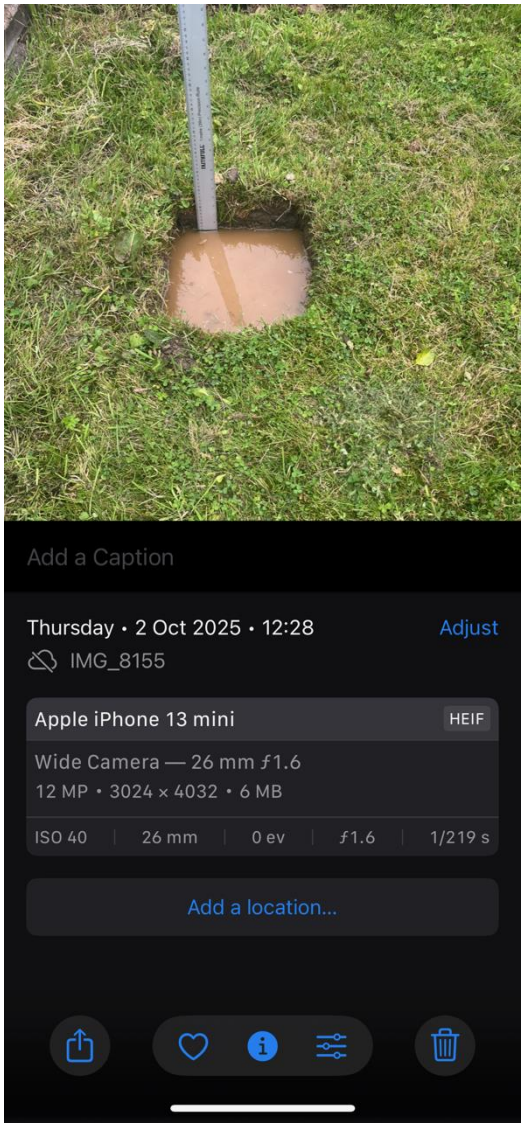
TP1:Test (ii) 225mm



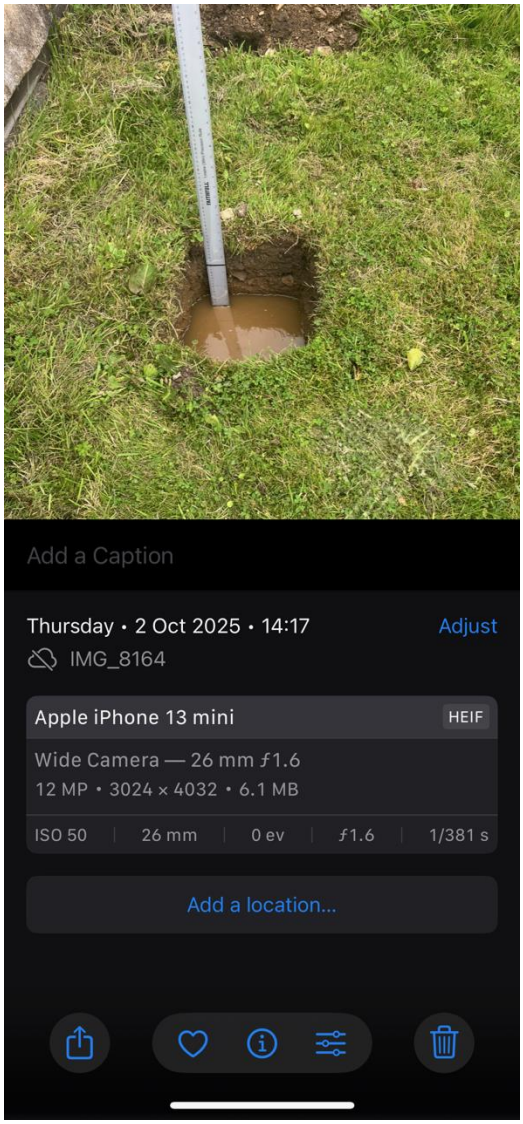
TP1:Test (ii) 75mm



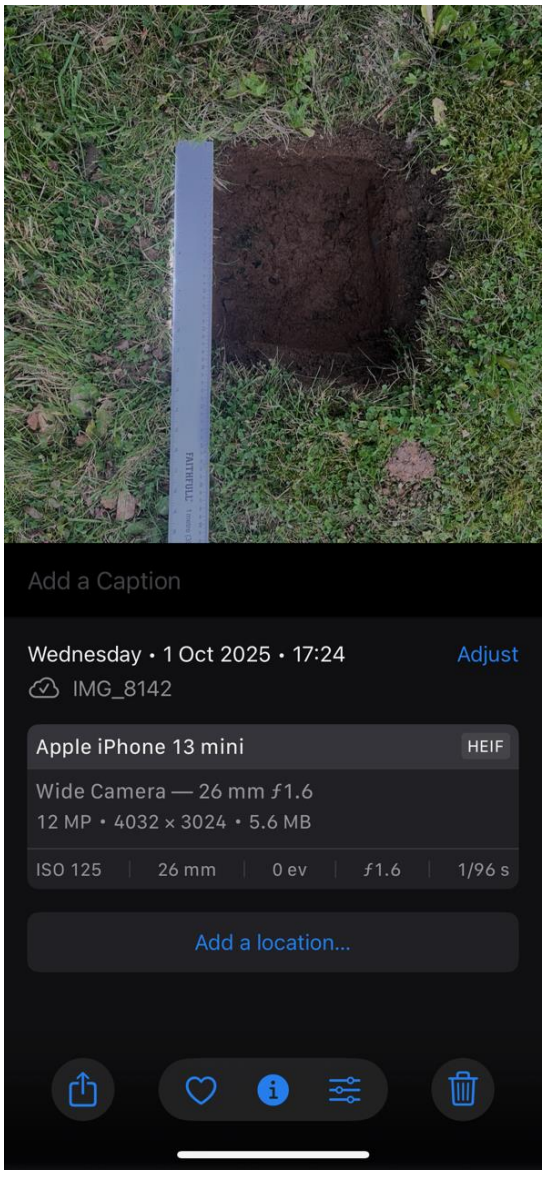
TP1:Test (iii) 225mm

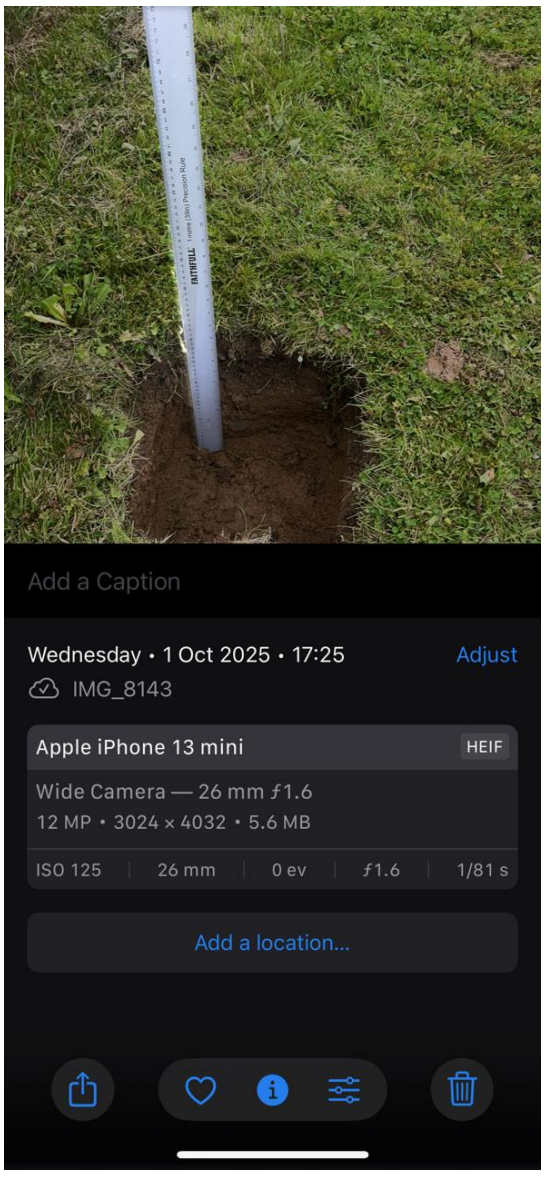


TP1:Test (iii) 75mm

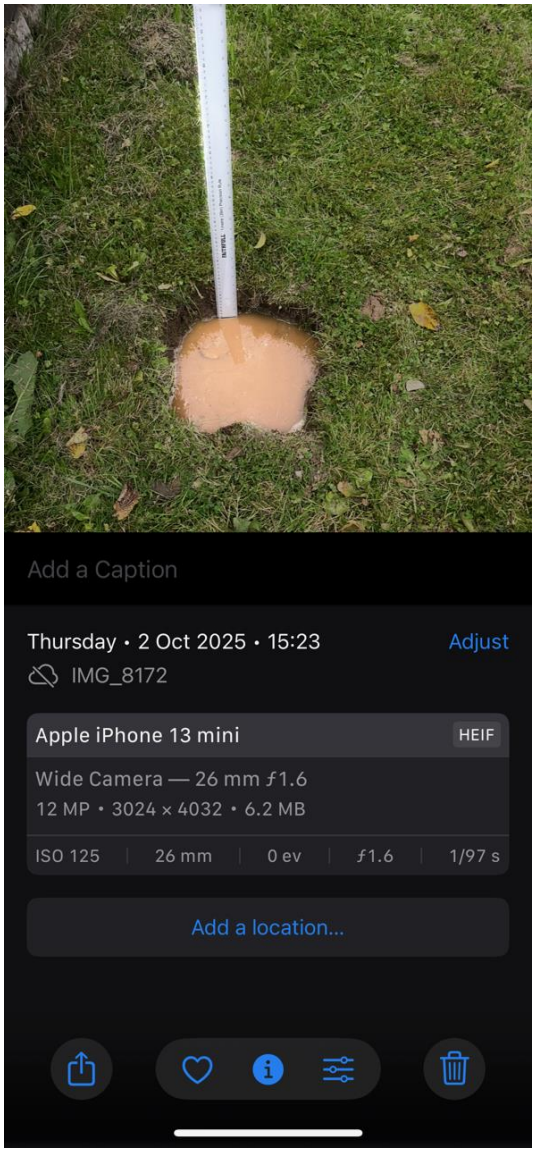


TP2 - As Dug

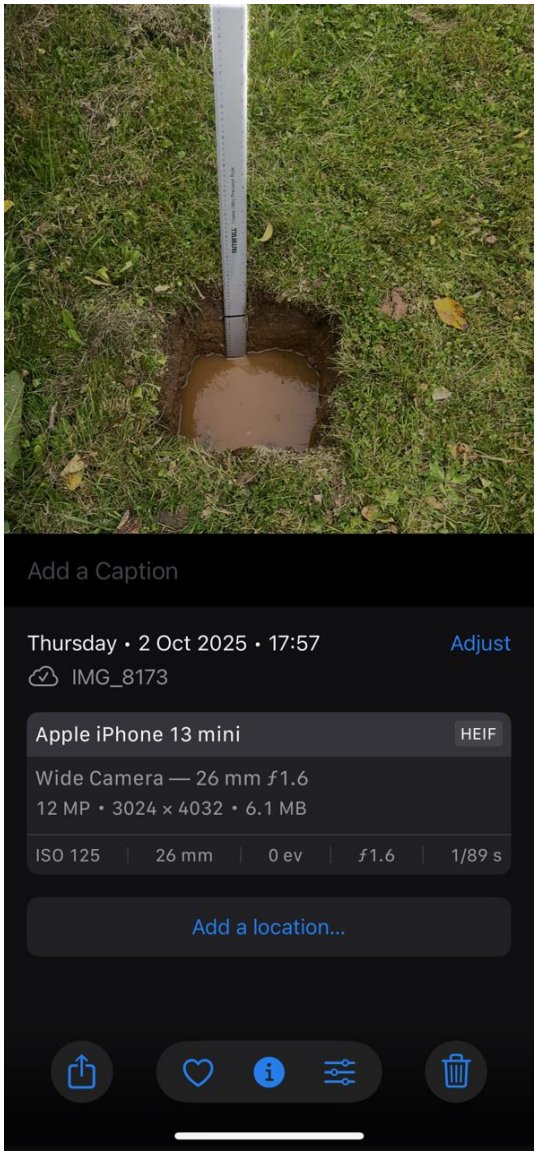

Add a Caption
Wednesday • 1 Oct 2025 • 17:24
Adjust
IMG_8142
Apple iPhone 13 mini
HEIF
Wide Camera — 26 mm ƒ1.6
12 MP • 4032 × 3024 • 5.6 MB
ISO 125
26 mm
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ƒ1.6
1/96 s
Add a location...


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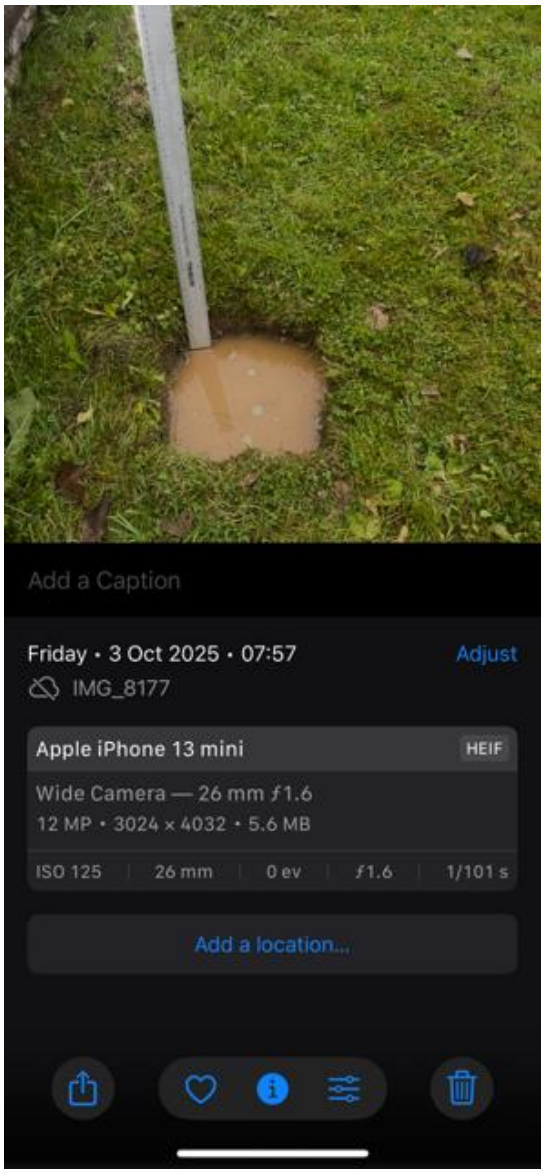
TP2:Test (i) 225mm



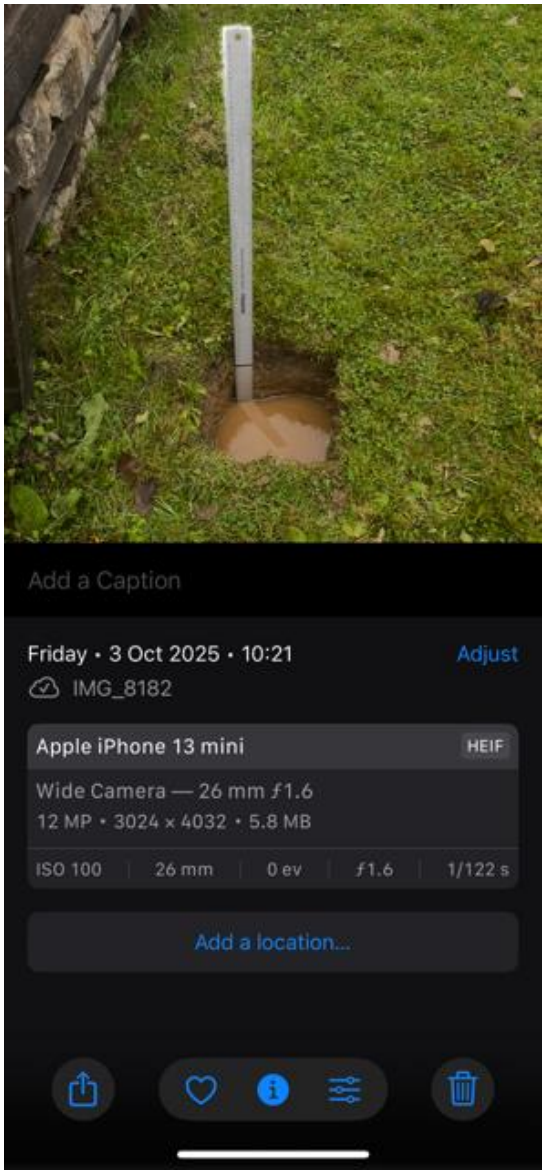
TP2:Test (i) 75mm



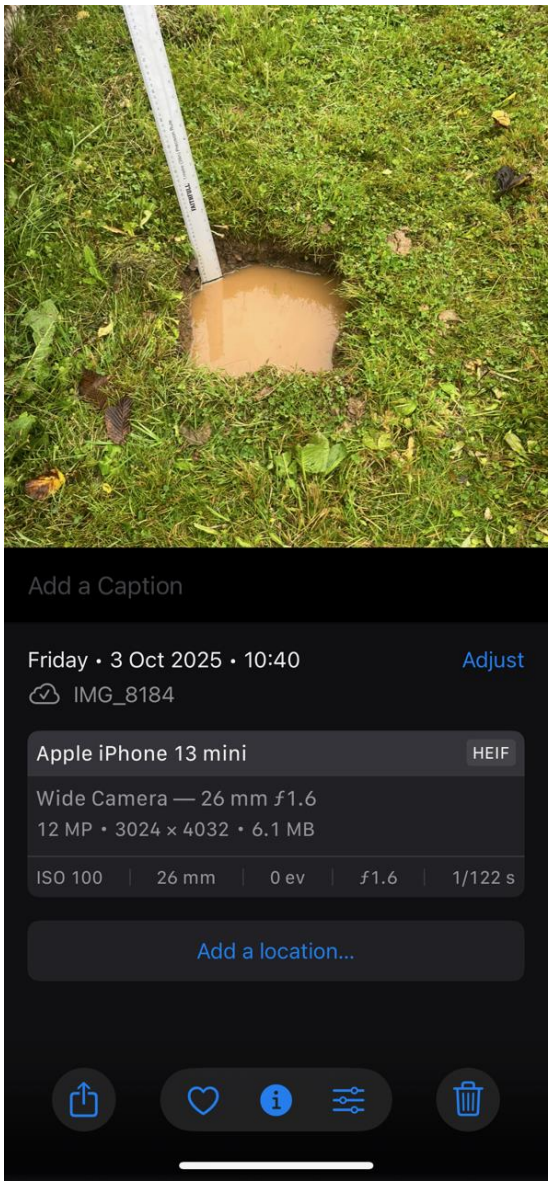
TP2:Test (ii) 225mm



TP2:Test (ii) 75mm



TP2:Test (iii) 225mm



TP2:Test (iii) 75mm

