



Trial Pit Log

Trialpit No
TP01
Sheet 1 of 1

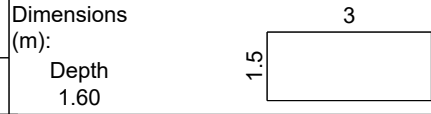
Project Name: Ballynahone LDBSPES

Project No.
P23-117

Co-ords: 637223.82 - 929508.84
Level:



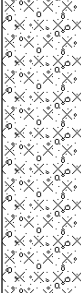
Date
30/01/2024

Location: Ballynahone, Tullydish Lower, Co. Donegal



Scale
1:25
Logged

Client: Future Energy Ireland

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
▼	0.90	B	HVP=15 HVR=4	0.60		 PEAT. Roots content.	
					 Soft bluish grey slightly sandy slightly gravelly slightly cobbly SILT. Sand is fine. Gravel is sub-rounded of quartz and other lithologies. Progressive increment of cobble content in depth. Occasional angular boulder.		
▼	1.60	B		1.60		End of pit at 1.60 m	

Remarks: End of trial pit due to possible bedrock or boulder.
GW Seepage only from strata interface (0.6mBGL).
GW moderate inflow from bottom (1.6mBGL)

Stability: Walls are fairly stable.





Trial Pit Log

Trialpit No
TP02
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Project Name: Ballynahone LDBSPES

Project No. P23-117

Co-ords: 637157.99 - 929575.71
Level:

Date
30/01/2024

Location: Ballynahone, Tullydish Lower, Co. Donegal

Dimensions (m):
4.5
1.7
4.20

Scale
1:25
Logged

Client: Future Energy Ireland

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
				0.90			PEAT. Roots content.
▼	1.20	B	HVP=65 HVR=30				Firm to stiff bluish grey sandy gravelly cobbly SILT. Progressively coarser in depth. Sand is fine. Gravel is fine to coarse, sub-rounded of quartz and other lithologies. Cobbles are sub-rounded. Some sub-rounded boulders content.
▼	2.50	B					
	3.00	B					
	4.00	B					
				4.20			End of pit at 4.20 m

Remarks: End of trial pit due to possible bedrock or boulder.
 GW seepage only from strata interface. (0.9mBGL).
 GW seepage (2.0mBGL).

Stability: Unstable walls under 2.0mBGL due to cobbles and boulders content.





Trial Pit Log

Trialpit No
TP03
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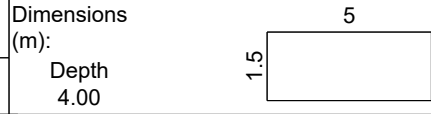
Project Name: Ballynahone LDBSPES

Project No. P23-117

Co-ords: 637526.24 - 929605.26
Level:

Date
30/01/2024

Location: Ballynahone, Tullydish Lower, Co. Donegal



Scale
1:25
Logged

Client: Future Energy Ireland

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
▼							PEAT.
				1.00			BOULDERS in matrix of stiff to very stiff bluish grey sandy gravelly cobbly SILT. Boulders are sub-angular to sub-rounded.
	2.00	B		1.30			Stiff to very stiff bluish grey sandy gravelly cobbly SILT. Sand is fine. Gravel is fine to coarse, sub-angular to sub-rounded of various lithologies. Some sub-rounded boulders content under 2.7mBGL.
	3.00	B					
	3.80	B					
				4.00			End of pit at 4.00 m

Remarks: GW seepage only from strata interface (1.0mBGL).

Stability: Unstable walls between 1.0-1.3mBGL and under 2.7mBGL. Tensile cracks at 1.2mBGL.





Trial Pit Log

Trialpit No
TP04
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Project Name: Ballynahone LDBSPES Project No. P23-117 Co-ords: 637632.13 - 929605.05 Date: 30/01/2024

Location: Ballynahone, Tullydish Lower, Co. Donegal Dimensions (m): 4.6 Scale: 1:25

Client: Future Energy Ireland Depth: 4.00 Logged

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
▼				0.50			PEAT.
	0.90	B	HVP=65 HVR=20				Stiff bluish grey sandy gravelly slightly cobbly SILT. Occasional boulders. Sand is fine. Gravel is fine to coarse, generally sub-rounded of various lithologies.
	2.50	B		2.00			Medium dense reddish brown coarse SAND and GRAVEL. Gravel is sub-rounded to rounded, fine to coarse of various lithologies.
				2.90			Soft to firm bluish grey slightly gravelly SILT. Wet aspect, but no GW inflow observed.
	3.50	B		4.00			
							End of pit at 4.00 m

Remarks: GW seepage only from strata interface (0.5mBGL).

Stability: Slightly unstable walls between 2.0-2.9mBGL.





Trial Pit Log

Trialpit No
TP05
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Project Name: Ballynahone LDBSPES

Project No. P23-117

Co-ords: 637294.38 - 929516.09
Level:

Date
30/01/2024

Location: Ballynahone, Tullydish Lower, Co. Donegal

Dimensions (m):
Depth 3.60
4.2
1.5

Scale
1:25
Logged

Client: Future Energy Ireland

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
▼				0.50			PEAT. Roots content.
	0.90	B					Firm to stiff bluish grey slightly sandy gravelly SILT. Sand is fine. Gravel is fine to coarse, sub-rounded of various lithologies.
	2.00	B		1.70			Firm to stiff bluish grey slightly sandy gravelly cobbly SILT. Sand is fine. Gravel is fine to coarse, sub-rounded of various lithologies. Cobbles are sub-rounded. Sub-rounded boulders content.
	3.40	B		3.50			Possible weathered MUDSTONE. Dark grey, laminated and extremely weak.
	3.60	B		3.60			End of pit at 3.60 m

Remarks: GW seepage from strata interface (0.5mBGL).
GW seepage to moderate speed from bottom (3.6mBGL).

Stability: Slight stability under 1.7mBGL.





Trial Pit Log

Trialpit No
TP06
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Project Name: Ballynahone LDBSPES	Project No. P23-117	Co-ords: 637387.54 - 929389.28 Level:	Date: 30/01/2024
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Location: Ballynahone, Tullydish Lower, Co. Donegal	Dimensions (m): Depth 4.20	4.6 1.5	Scale: 1:25 Logged
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Client: Future Energy Ireland

Water Strike	Samples and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
	Depth	Type	Results				
▼	0.50			0.50			Fibrous PEAT. Roots content.
	1.00	B					Stiff bluish grey sandy gravelly cobbly SILT. Gravel is fine to coarse, sub-rounded of various lithologies. Cobbles are sub-angular to sub-rounded. Sub-rounded boulders content. Wetter aspect under 2.5mBGL.
▼	2.40	B					
▼	3.20	B					
	4.20	B		4.20			End of pit at 4.20 m

Remarks: Dry aspect above 2.5mBGL.
 GW seepage from strata interface (0.5mBGL).
 Wet aspect, but no water flow observed (2.5mBGL).
 Local GW inflow from centimetric area (3.0mBGL).

Stability: Unstable walls between 1.7-2.5mBGL due to boulders content. Generally fair stability.

