

2.7.5 MINING

The Site is not located within a Coal Mining Reporting Area, as outlined by the Coal Authority.

There is no evidence of mining within the Site. However, a review of the Site history identified localised sand and gravel pitting and quarrying in the surrounding area from the late 1880s to the mid-1900s.

A review of the BGS and Groundsure Report indicated that the site is within an area affected by non-coal mining, specifically for vein material. Despite this, underground mine workings are uncommon, although the geology is similar to that worked elsewhere. The potential for difficult ground conditions is unlikely and considered to be a low risk.

Mining is not considered to be a significant risk to the stability of the Site.

2.7.6 HYDROLOGY

A review of the OS MasterMap Water Network identified one watercourse within the northeastern corner of the Site, appearing to flow from south to north. During the Site walkover, this watercourse appeared to be an overgrown drainage ditch with no water present.

Outwith the Site boundary adjacent to the southern boundary is the River Beauly, which discharges to the Beauly Firth 5km northeast of the Site. Recorded on the most recent OS map, the Mean High Water Springs from the Beauly Firth influence the River Beauly upstream to a point 350m west of the Site boundary. Consequently, the surrounding surface water features may be tidally influenced. A review of the Scottish Environment Protection Agency (SEPA) Water Environment Hub found the River Beauly is designated as a heavily modified water body, with its overall status in 2022 classified as Good ecological potential.

2.7.7 HYDROGEOLOGY

The Hydrogeological Map of Scotland from the BGS indicates a concealed aquifer within the superficial deposits of the Quaternary coastal fluviatile alluvium, classified as having limited or local potential.

The Site is also underlain by the Lower Old Red Sandstone bedrock aquifer, which is described as moderately productive, with groundwater flow occurring entirely through fractures and discontinuities. This aquifer is considered a locally important multi-layered aquifer. As discussed above, the Mean High Water Spring tide is located 350m to the west of the Site, which may indicate local groundwater is influenced tidally.

The two historical ground investigation boreholes, detailed in Section 2.4, which are located 156m and 183m south of the Site, encountered groundwater at depths of 7.30m and 3.30m below ground level (bgl), respectively. The logs suggest these locations may be influenced by their proximity to the river and the granular strata encountered.

The SEPA Environment Hub classifies the Lower Old Red Sandstone bedrock aquifer, also known as the Muir of Ord groundwater body, as having an overall status of Poor in 2022.



2.7.8 **RADON**

A review of the Radon Map of Scotland, published by the UK Health Security Agency, indicates the eastern edge along the boundary of the site falls within a Radon Affected Area where radon levels range between 5% and 10%. This area may require basic radon protection measures and further assessment if buildings are to be located within the affected area. However, the majority of the Site is not located within a Radon Affected Area, as less than 1% of properties exceed the Action Level.

2.7.9 UNEXPLODED ORDNANCE

A preliminary assessment of Unexploded Ordnance (UXO) risk has been made on the Site history and a review of online maps supplied by Zetica UXO. The risks associated with unexploded ordnance are considered to be Low, no further risk assessment is required.



3 INITIAL CONCEPTUAL SITE MODEL

3.1 GENERAL

Central to the assessment of potentially Contaminated Land, as defined in the 1990 Environmental Protection Act, is the concept of a Significant Pollutant Linkage, i.e. a significant connection between the source of contamination and a sensitive receptor via an appropriate environmental pathway. The degree of significance of a pollutant linkage depends on several factors including the hazardous nature of the source, the type of pathway (such as dermal contact with contaminants in soils), and the sensitivity of the receptor. The first step towards understanding potential pollutant linkages at a site is through the development of an Initial Conceptual Model.

A conceptual model is defined in BS10175 as: "characteristics of a site that are relevant to the occurrence and potential effects of ground contamination that describe the nature and sources of contamination; the ground, groundwater, surface water, ground gases and volatile organic compounds (VOC) that could be present; the environmental setting; potential migration pathways; and potential receptors...presented in a tabular, textual and/or diagrammatic form".

3.2 SOURCES

Having reviewed and considered relevant historical features and environmental data, their proximity to the study Site, the local topography and likely surface and groundwater flow direction, the following source(s) of potential contamination will be considered within the Initial Conceptual Site Model.

Source Description Distance

Localised reworked or made ground, associated with the farm buildings and previous uses

Ground gas associated with historical quarrying and pitting and the potential infilled ground.

Distance

On-Site (northeastern corner, remote from proposed BESS development)

Off-Site (within 1km of the Site boundary)

Table 3-1: Potential Historical Contamination Sources

3.3 POTENTIAL CONTAMINATION RECEPTORS

'Receptors' as defined in BS10175 are "persons, living organisms, ecological systems, controlled waters, atmosphere, structures and utilities that could be adversely affected by the contaminant(s)". Potential receptors at the Site are discussed below.

3.3.1 HUMAN HEALTH

The study area comprises predominantly agricultural/pasture fields, and the Site is proposed for a BESS and associated infrastructure. The proposed development is of a low sensitivity; however, construction workers and future maintenance staff are considered to be potential receptors.

3.3.2 SURFACE WATER

Within the study area, there is one potential watercourse in the northeastern corner of the Site, and the larger River Beauly located adjacent to the south of the Site, which may be partly tidally influenced.



The watercourse features identified on the Site and in proximity are considered to be potential surface water receptors.

3.3.3 GROUNDWATER

The study area is underlain by two aquifers: a concealed aquifer within the superficial deposits of the Quaternary coastal fluviatile alluvium, characterised by local or limited potential, and the moderately productive Lower Old Red Sandstone bedrock aquifer, known as a locally significant multi-layered aquifer, which may be partly tidally influenced.

The desk study review also identified two private water supplies located 50m north and 520m southeast of the Site. These supplies abstract groundwater from a spring and a borehole, respectively.

Groundwater is considered to be a potential receptor.

3.3.4 FAUNA AND VEGETATION (ECOLOGY)

No ecological receptors of particular sensitivity likely to be affected by the Site were identified during the desk study research.

3.3.5 BUILT ENVIRONMENT

There are currently three buildings located within the Site boundary, and it is unknown whether they have associated services/utilities. The proposed development includes the construction of buildings and structures, and will likely require earthworks, the use of concrete and the installation of utility infrastructure. Therefore, the built environment is considered to be a potential receptor.

3.4 RISK ASSESSMENT

The following assessment is qualitative, in that professional value judgments have been applied to the available Site data to assess levels of risk. The framework for these assessments is set out in CIRIA C552, "Contaminated Land Risk Assessment, A Guide to Good Practice". This guidance states that the assessment of risk should be based on both the likelihood of an event and the severity of its potential consequences.

One of the following six risk levels has been assigned to each potential pollutant linkage identified: Very Low, Low, Low/Moderate, Moderate, High and Very High. A risk of Low/Moderate or above indicates that further assessment, investigation or possibly remediation will be required to enable development. The following Table 3-2 summarises the potential pollutant linkages and respective qualitative risks.



Table 3-2: Initial Conceptual Site Model

		Ri	sk
Source	Receptors (with respective pathways)	Current Use	Future Use
	Human Health (dermal contact, soil/dust ingestion/inhalation)	Low	Low
1. Localised made ground, associated with	Human Health (inhalation of vapours and ground gases)	Low	Low
the farming buildings and previous use (On-Site but remote	Groundwater (leaching and migration)	Low - Low/mod	Low - Low/mod
	Surface Water (surface runoff, leaching and migration)	Low- Low/mod	Low - Low/mod
from proposed BESS)	Buildings and Structures (migration of ground gas/vapour)	Low	Low
	Buildings and Structures (direct contact, permeation)	Low	Low
2. Ground gas associated with historical quarrying and	Human Health (inhalation of vapours and ground gases following accumulation within buildings)	Very Low	Low
pitting and the potential infilled ground (Off Site within 1km of the Site boundary)	Buildings and Structures (migration and accumulation of ground gases and vapours)	Low	Low

In summary, the risk associated with contamination at the site is generally Low (or potentially locally Low/Moderate if significant made ground is present around the existing farm buildings), considering the low likelihood of significant contamination sources, and the low sensitivity of the proposed development.



4 CONCLUSIONS AND RECOMMENDATIONS

4.1 CONCLUSIONS

The purpose of this Geoenvironmental and Geotechnical Desk Study is to assess potential contamination and geotechnical constraints to the Site and provide outline recommendations for additional investigative works required to address any areas of uncertainty.

A review of the available data, detailed within this report, has identified a low likelihood of significant contamination associated with the historical use of the Site and the surrounding area, although there is the potential for contamination associated with the farm buildings in the north of the Site, which requires further investigation and assessment in the event of development in this area. Potential geotechnical constraints have also been identified.

4.1.1 ENVIRONMENTAL PROTECTION ACT (1990), PART IIA

Considering the current use of the Site and the historical use of the Site, the risk associated with the Site (planning boundary) is considered to be Low, or locally Low/Moderate due to potential for made ground associated with the farm buildings in the north of the Site beyond the development footprint. It is considered unlikely that the Site would constitute Contaminated Land, as defined in Part IIa of the Environmental Protection Act.

4.1.2 PROPOSED USE (PAN 33)

The proposed BESS development is considered to be of low sensitivity and the risk associated with the BESS development has been categorised as Low. The overall Site classification remains Low/Moderate as a result of the potential localised presence of made ground in the existing farm area in the North East. Consequently, investigation and further assessment of this potential source is recommended, particularly if construction is proposed in this area.

4.1.3 GEOTECHNICAL

The review of the desk study information indicates that the Site generally comprises an open field underlain by mudstones, sandstones and siltstone, natural soils and likely topsoil of unspecified thickness. Although details of the proposed development are not fully developed, the following potential geotechnical constraints have been identified that require further consideration and potentially intrusive Site investigation.

- Unconfirmed thickness and geotechnical properties of the superficial natural soils and bedrock.
- The potential presence of shallow groundwater beneath the Site within the shallow soils or bedrock aquifer.
- The potential for localised made ground soils to be chemically aggressive towards buried concrete
 or pipework.

4.1.4 OTHER CONSIDERATIONS

The eastern portion of the Site is located within a Radon Affected Area where radon levels range between 5% and 10%. Although the proposed BESS development is predominantly situated in an area



of the Site which is not within a Radon Affected Area (i.e. less than 1% of properties exceed the Action Level), the proximity to the higher-risk area in the east of the Site requires further consideration. Based on the development type and layout, radon is not expected to be a significant risk to this low-sensitivity end-use, however, further assessment should be undertaken as part of the detailed design, and appropriate radon mitigation measures should be implemented as necessary in any buildings to be constructed on site.

4.2 RECOMMENDATIONS

No ground investigation is understood to have been undertaken at the Site. It is considered that the risks associated with the Site are sufficiently understood for the current use, however, to inform the design and development of the Site for the proposed BESS site, it is recommended that intrusive works are undertaken to characterise the ground conditions for the following key purposes:

- To investigate the depth, nature, and extent of superficial soils, bedrock and made ground.
- To establish the depth of competent stratum across the Site.
- To assess the groundwater conditions beneath the Site.
- To confirm the chemical nature of the soils and groundwater across the Site (particularly if
 construction is proposed in the vicinity of the farm buildings in the north), with respect to potential
 human health and the water environment risks.

Subject to the design of a detailed Site investigation, it is considered that the following works will be required generally:

- *Trial pitting* across the Site to characterise any made ground and underlying drift deposits and permit recovery of soil samples for subsequent analysis.
- Drilling of **boreholes** across the Site targeting locations associated with infrastructure, to characterise the underlying superficial deposits and depth to a suitable founding stratum, permit recovery of soil samples and allow installation of combined gas/groundwater monitoring wells.
- **Percolation/infiltration tests** in areas proposed for attenuation/infiltration drainage features to characterise the drainage capabilities of the superficial soils.
- Geotechnical testing of the soils to obtain geotechnical design parameters (including the
 aggressivity of the underlying deposits toward buried concrete) for foundation/piling design, and
 for earthworks design.

If development in the vicinity of the existing farm buildings is proposed:

- *Chemical analysis* of the soils and groundwater to assess the potential risk to human health, water environment, and buildings/structures.
- Gas and groundwater level monitoring of borehole installations and possibly collection of groundwater samples, if present, for subsequent chemical analysis.



APPENDIX A – SITE WALKOVER 15/05/2024



APPENDIX B – GROUNDSURE REPORT



GLOBAL PROJECT REACH



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Site Name **Dunballoch Farm**

Site Location Beauly

Client Gavin & Doherty Geosolutions

Date **29 July 2024**

Weather **Dry**

Logged by ks

Plant Jcb 8018

Status Final

Total Trial Pits 3



GROUND INVESTIGATION REPORT

Dunballoch Farm, Beauly

Site works occurred on - 29th July 2024

Produced by - Highland Geotechnical Services

Bayview, Westhill, Inverness, Highlands, IV2 5BP

Client - Gavin & Doherty Geosolutions

Scope of Work

Highland Geotechnical Services was appointed by Gavin & Doherty Geosolutions, to undertake intrusive site investigations at Dunballoch Farm, Beauly.

The scope of work was discussed with the Client prior to mobilisation and investigation points were provided by Gavin & Doherty Geosolutions when arriving on site. The purpose of the investigation was to provide geotechnical information for the Client's consideration and further reference, comprising of Trial pits with in situ, infiltration testing. A factual report was requested with no geotechnical interpretation commissioned.

Findings of Intrusive Investigation

The intrusive investigation comprised of 3 no Trial Pits with in situ infiltration testing.

The location of the Trial pits on site were determined by the Client prior to the works commencing. The logs of the Boreholes are enclosed and indicate –

- Topsoil to a maximum of 0.40mbgl.
- No Made ground encountered.
- Granular sub-soils predominantly SAND & GRAVEL with frequent cobbles and boulders.
- No Groundwater encountered.

The Trial pits were terminated due to proving natural granular strata and to allow for infiltration testing.

The Trial pits were backfilled with arisings upon completion. There was no discernible olfactory evidence of gross hydrocarbon contamination or otherwise during the exploratory works.

Infiltration Testing

In-situ testing for Infiltration rate to be used in surface water soakaway design was proposed and was undertaken within the 3 trial pits. The methodology for the infiltration testing was taken from but not bound to the advice in BRE 365. The results of the infiltration testing are enclosed.

Conclusions

A total of 3 no. Trial pits with infiltration tests were undertaken at Dunballoch Farm, Beauly. The findings of the investigation are presented within this report and its attachments, with all strata logged to the methodology outlined in BS5930:2015. The strata encountered is generally Topsoil overlying granular subsoils. Upon completion the Trial Pits were backfilled and the locations left, level and tidy. I trust this is sufficient to your requirements, please do not hesitate to get in touch should you require any further information.



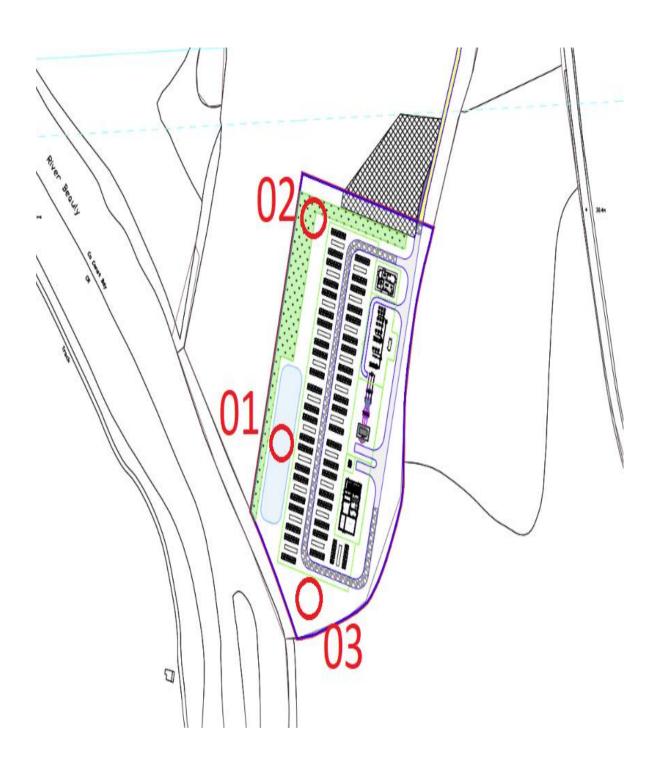
Summary of your utility search details:

Site Name	Beauly 02	Beauly 02					
Site Ref	BTGBBEA02	TGBBEA02					
Address	Dunballoch Farm, Beauly, Inverness, IV-	Dunballoch Farm, Beauly, Inverness, IV4					
Postcode	IV4	IV4					
Grid Ref	E 252370	E 252370 N 844379					

Area Covered



Options Selected		Options Selected	
Gas	✓	Independent utilities search - inc non-chargeable searches	1
Water	✓	Harlaxton	X
Sewer	✓	UK Power Distribution	1
Electric	√		
ВТ	1	Coal Authority search	X
3rd Party searches	1		
		Other Options	
Cable / Fibre searches inc non-chargeable searches	1	CAD Pack	1
Virgin Media	V	CAD OS mapping	X
Vodafone	1	Smart pdf	X
		Instant Access Plans	X



6	HG	S					Trial Pit	Log				Trial Pit No.	1
Client:	Gavin & Doh	erty Geoso	lutions	Site:		Dunballo	ch Farm	Date(s):	29	9/07/2024		Sheet:	1
Job No:				Locatio		Beauly	Elevation	Weather:		Dry		Plant:	Jcb 8018
PID Value (ppm)	Infiltration Test	Test Depth (mbgl)	Groundwater (mbgl)	Northin Level (mOD)	D	epth nbgl)	Description	n of strata					Legend
(ррш)		(IIIDGI)			0.00				TOPSOIL, with rootlets	3			
							Gravel is fit Sand is slice	n, slightly gravelly ne to coarse,sub ghtly silty, fine to	rounded. medium				
						0.60	Sand is co.		frequent cobbles and c	occasional boulders	s, sub rounde	d	
					1.00								
		2.10			2.00	2.10	Pit termina	ted for Infiltration	test				
					2.00								
					3.00								
No Grou No Odoι	s & groundw ndwater dete urs detected in	cted n trial pit or								Dimensions	Logged by	Figure no/	
Jat Scar	nned prior to	excavation								1.4m x 0.85m	ks	Final	

			Trial Pit	Log		Trial Pit No.	1
		ı		T			
Client:	Gavin & Doherty Geosolutions	Site:		Date(s):	29/07/2024	Sheet:	2 of 2
Job No: Easting:	0	Location: Northing:	Beauly Elevation	Weather: (AOD) :	Dry	Plant:	Jcb 8018

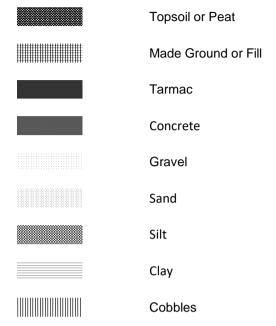
	HG	5)					Trial Pit	Log				Trial Pit No.	2
Client:	Gavin & Dohe	erty Geosolu	utions	Site:		Dunballo	och Farm	Date(s):	29	9/07/2024		Sheet:	1
Job No:				Locatio		Beauly	I=	Weather:		Dry		Plant:	Jcb 8018
PID Value	Infiltration Test	Test Depth	Groundwater (mbgl)	Northin Level (mOD)	D	epth nbgl)	Elevation Description	on of strata					Legend
(ppm)		(mbgl)			0.00		Long grass	s onto dark brown	TOPSOIL, with rootlets	S			
						0.40	Gravel is fi	n, Slightly gravell ne to coarse,sub ghtly silty,fine	y, with patches of stiff C rounded, sub angular.	Clay,SAND			
					1.00	0.90	Sand is co		GRAVEL rounded, with frequent	cobbles and occa	asional boulde	ers	
		2.00			2.00		Pit Termina	ated for Infiltration	test				
					3.00								
No Ground No Odours	& groundwated dwater detected detected in tr	d ial pit or Ari		1	I	<u>I</u>	1			Dimensions	Logged by	Figure no/	status
Cat Scann	ed prior to exc	avation								1.5m x 0.9m	ks	Final	l

	HGS	_	Trial Pit	Log		Trial Pit No.	2
	Gavin & Doherty Geosolutions	Site:	Dunballoch Farm	Date:	29/07/2024	Sheet:	2 of 2
	,						
Job No:			Beauly	Weather:	Dry	Plant:	Jcb 8018
Easting:	NIKUM EKUMAN	Northing:	Elevation	(AOD) :		(1) 11 (1) (1) (1) (1) (1) (1) (1) (1) (A. Allen

(I	IGS						Trial pit	Log				Trial Pit No.	3
Client:	Gavin & Doh	erty Geosolu	utions	Site:		Dunballo	och Farm	Date(s):	2	9/07/2024		Sheet:	1
Job No:				Locatio		Beauly	I=	Weather:		Dry		Plant:	Jcb 8018
PID Value	Infiltration Test	Test Depth (mbgl)	Groundwater (mbgl)	Northin Level (mOD)	D	epth nbgl)	Elevation Description	on of strata					Legend
(ppm)		(IIIDGI)			0.00		Long grass	onto dark brown	n TOPSOIL, with rootlet	S			
						0.35	Light Brow	n, slightly silty,fin	ne SAND				
					1.00		Vellowish/F	Brown SAND & G	SPAVEI				
					1.00		Sand is co	arse.	n frequent cobbles,sub	rounded, sub angu	ular		
		2.00			2.00		Pit Termina	ated for Infiltration	n Test				
					3.00								
	groundwater vater detected	observatio	ns							Dimensions	Logged by	Figure no/	status
No Odours d	rater detected detected in trial d prior to excav	pit or Arisir ation	ngs							1.4M X 0.8M	ks	Final	ı

	(ICS)	_	Trial Pit	Log		Trial Pit No.	3
Client:	Gavin & Doherty Geosolutions	Site:	Dunballoch Farm	Date:	29/07/2024	Sheet:	2 of 2
Job No:				Weather:	Dry	Plant:	Jcb 8018
Easting:	A second of a	Northing:	Elevation	(AOD):	Maria de la companya del companya del companya de la companya de l		

legends





Contract	Dunballoch Farm, Beauly	Sheet No.	1 of 2 Rev	1						
Part of Structure		Contract No	Contract No.							
		Date	29/07/20	24						
Surfa	ce Water Soakaway Infiltration Testing	Designer								
		Checker	KS							

Trial Pit Length 1.40 m Width 0.85 m

Depth **2.10** m

 V_{p75-25} 0.57 m³

> ap₅₀ 3.33 m³

	1 M (D ()	I : / : \
Dips	Water Depth	Time (min)
	0.95 m	0
	0.75 m	8
	0.63 m	18
	0.57 m	28
	0.47 m	60
	0.27 m	96
	0.00 m	114

Notes: Trial Pit1, Test 1, No Groundwater, 1000 litres



Contract	Dunballoch Farm, Beauly						
Part of Structure		Contract No.					
		Date					
Sur	face Water Soakaway Infiltration Testing	Designer					
		Chacker					

Sheet No.	1 of 2	Rev	1
Contract No.			
Date	2	9/07/20	24
Designer			
Checker		KS	

Trial Pit Length 1.40 m

Width 0.85 m Depth 2.10 m

 V_{p75-25} 0.58 m³

ap₅₀ 3.37 m³

	T	
Dips		Time (min)
	0.97 m	0
	0.84 m	8
	0.67 m	21
	0.55 m	42
	0.43 m	73
	0.34 m	103
	0.25 m	138
	0.08 m	171
	0.00 m	188

Notes: Trial Pit1, Test 2, No Groundwater, 1000 litres



Contract	Dunballoch Farm, Beauly		Sheet No.	1 of 2 Re	٧	1
Part of Structure Contract No.						
			Date	29/07	/202	4
Surface Water Soakaway Infiltration Testing			Designer			
			Checker	K	S	

Trial Pit Length 1.50 m Width 0.90 m

Depth 2.00 m

 $\mathrm{V}_{\mathrm{p75-25}}$ $0.57 \, \text{m}^3$

> ap₅₀ 3.37 m³

Dips	Water Depth	Time (min)
	0.84 m	0
	0.58 m	6
	0.38 m	15
	0.18 m	26
	0.00 m	38

Notes: Trial Pit 2, Test 1, No Groundwater, 1000 litres



Contract Dunballoch Farm, Beauly	Sheet No.	1 of 2 Rev 1
Part of Structure	Contract No.	
	Date	29/07/2024
Surface Water Soakaway Infiltration Testing	Designer	
	Checker	KS

Trial Pit Length 1.50 m

Width 0.90 m Depth 2.00 m

 V_{p75-25} 0.65 m³

ap₅₀ 3.65 m³

Dips	Water Depth	Time (min)
Dipa		Tillie (IIIIII)
	0.96 m	0
	0.64 m	10
	0.34 m	45
	0.00 m	79

Notes: Trial Pit 2, Test 2, No Groundwater, 1000 litres



Contract	Dunballoch Farm, Beauly	Sheet No.	1 of 2	Rev	1
Part of Structure		Contract No.			
		Date	29/0	07/202	24
Surf	ace Water Soakaway Infiltration Testing	Designer			
		Checker		KS	

Trial Pit Length 1.50 m

Width 0.90 m Depth 2.00 m

 V_{p75-25} 0.70 m³

ap₅₀ 3.82 m³

Dips	Water Depth	Time (min)
	1.03 m	0
	0.63 m	26
	0.39 m	56
	0.20 m	79
	0.14 m	92
	0.00 m	112

Notes: Trial Pit 2, Test 3, No Groundwater, 1000 litres



Contract	Dunballoch Farm, Beauly	Sheet No.	
Part of Structure		Contract No	No.
Surface Water Soakaway Infiltration Testing		Date	
		Designer	
		Checker	

Sheet No.	1 of 2	Rev	1
Contract No.	<u> </u>	<u> </u>	
Date	29	9/07/20	24
Designer			
Checker		KS	

Trial Pit Length 1.40 m Width 0.80 m

Depth 2.00 m

 V_{p75-25} 0.54 m³

> ap₅₀ 3.25 m³

	T	I
Dips	Water Depth	Time (min)
	0.97 m	0
	0.52 m	15
	0.23 m	45
	0.00 m	61
·		

Notes: Trial Pit 3, Test 1, No Groundwater, 1000 litres



Contract	Dunballoch Farm, Beauly		Sheet No
Part of Struc	cture		Contract
			Date
Surface Water Soakaway Infiltration Testing			Designer
			Checker

Sheet No.	1 of 2	Rev	1
Contract No.		<u> </u>	
Date	29/07/2024		
Designer			
Checker	KS		

Trial Pit Length 1.40 m Width 0.80 m

Depth 2.00 m

 V_{p75-25} 0.57 m³

> ap₅₀ 3.36 m³

Dips	Water Depth	Time (min)
	1.02 m	0
	0.76 m	10
	0.43 m	36
	0.20 m	76
	0.10 m	103
	0.00 m	116

Notes: Trial Pit 3, Test 2, No Groundwater, 1000 litres