FINAL

Date: 30/08/17



Trial Pit No

08 (BP02)

Sheet 1 of 2

TRIAL PIT LOG

CIV No: WIE13408

Excavation Method: Tracked 360

Coords:

NH33133,

Workstage:

101

Excavator

Ground Level: Date Started:

68876 N/A 22/08/17

Project Title:

Lochluichart Windfarm

Shoring: No

Dimensions: 1.80m x

2.40m

	1		•		1
Description of Strata	Depth to	Level		mpling	Testing
	base (m)	(mOD)	Type	& Depth	
Grass, heather and moss over dark brown amorphous					
PEAT with frequent rootlets.	0.40				
•					
Orange brown gravelly silty fine to coarse SAND with					
frequent cobbles. Gravel is angular to subrounded fine					
to coarse of predominantly psammite.	0.80				
Crossish areas areas lls some silts fine to readily a CANID					
Greenish grey gravelly very silty fine to medium SAND					
with frequent cobbles. Gravel is subangular to	1.40				
subrounded fine to coarse of psammite.	1.40				
Probable rockhead (Psammite)					
·					
Comple Keyr B Bulk D Disturbed 11 Tricyic Com	DIO 10/ 10/4	otor UV/	Jand \/	one LID	Llond
Sample Key: B. Bulk D. Disturbed U. Triaxial Sam	ple W. Wa	ater HV.	Hand V		Hand etrometer
G. Glass T. Tub J.Jar				Pen	enometer
G. Glass T. Tub J.Jar					

Comments:

Trial pit was terminated at 1.40m due to probable rockhead.

Trial pit was dry throughout excavation.

Trial pit walls stable. Logged by: GA

Backfilled with arisings upon completion.

Status **FINAL**



Trial Pit No

08

Sheet 2 of 2



Picture 1: Trial Pit 08



Picture 2: Trial Pit 08 (Spoil)

FINAL

Date: 30/08/17



Trial Pit No

09 (BP02)

Sheet 1 of 2

TRIAL PIT LOG

WIE13408 CIV No:

Excavation Method: Tracked 360 Coords:

NH32984,

Workstage:

Project Title:

101

Excavator

Ground Level:

68336

Lochluichart Windfarm

Shoring: No

Date Started:

N/A 22/08/17 1.60m x

Dimensions:

2.10m

Description of Strata	Depth to base (m)	Level (mOD)	Sampling Type & Depth	Testing
Grass, heather and moss over dark brown amo PEAT with frequent rootlets.		(7,7,2 3, 2 3, 2 3, 2 3, 2	
Dark grey brown gravelly silty SAND with frequence obbles. Gravel is angular to subrounded of predominantly psammite.	0.80			
Probable rockhead (Psammite)				
Sample Kovr. B. Bulk. D. Dieturhed. H. T.	riovial Sampla W N	Vater HV.	Hand Vane HP	. Hand
Sample Key: B. Bulk D. Disturbed U. T G. Glass T. Tub J.Jar	riaxial Sample W. V	valei ПV.		netrometer

Comments:

Trial pit was terminated at 0.80m due to suspected bedrock.

Trial pit was dry throughout excavation.

Trial pit walls stable. Logged by: GA

Backfilled with arisings upon completion.

Sheet 2 of 2



Picture 1: Trial Pit 09



Picture 2: Trial Pit 09 (Spoil)

FINAL

Date: 30/08/17



Trial Pit No

10 (BP03)

Sheet 1 of 2

TRIAL PIT LOG

CIV No: WIE13408

Excavation Method: Tracked 360

Excavator

Coords:

NH32986,

Workstage:

101

Shoring: No

Ground Level: Date Started:

62895 N/A

Project Title: Lochluichart Windfarm Dimensions:

22/08/17 1.20m x

2.30m

Desc	ription of Strata	Depth to	Level		mpling	Testing
		base (m)	(mOD)	Туре	& Depth	
	ss over dark brown amorphous					
PEAT with frequent roof	tlets.	1.10				
Croonigh grov grovelly	vary ailty fine to madium SAND	1				
	very silty fine to medium SAND . Gravel is subangular to					
	se of dark grey psammite.					
oubroariada iirio to odar	oc or dark groy podrimino.					
Turned blueish grey from	m 1.60m	3.00				
0 ,						
Possible rockhead/ obst	truction					
Sample Key: B. Bull	k D. Disturbed U. Triaxial San	nple W. Wa	ater HV.	Hand V		Hand
					Pen	etrometer
G. Glass T. Tub	J.Jar					

Comments:

Trial pit was terminated at 3.00m due to possible rockhead/ boulder obstruction.

Trial pit was dry throughout excavation.

Trial pit walls stable. Logged by: GA

Backfilled with arisings upon completion.

10

Sheet 2 of 2



Picture 1 : Trial Pit 10



Picture 2: Trial Pit 10 (Spoil)

FINAL

Date: 30/08/17



Trial Pit No

TP11 (BP03)

Sheet 1 of 2

TRIAL PIT LOG

CIV No: WIE13408 **Excavation Method:** Tracked 360 Coords:

Workstage: 101 Excavator

NH32947, 688290

Shoring: No

Ground Level: Date Started:

N/A 21/08/17 1.80m x

Project Title: Lochluichart Windfarm Dimensions:

4.10m

Description of Strata	Depth to base (m)	Level (mOD)		mpling & Depth	Testing
Grass, heather and moss over dark brown amorphous to pseudo-fibrous PEAT with frequent rootlets.	0.70	(2)	. , , , ,	<u>a Bopin</u>	
Greenish grey very gravelly silty fine to medium SAND with occasional cobbles (0.50x0.30x0.20). Gravel is subangular to subrounded fine to coarse of dark grey psammite.					
Turned blueish grey from 1.20m	2.30				
Probable Rockhead (Psammite)					
Sample Key: B. Bulk D. Disturbed U. Triaxial Samp G. Glass T. Tub J.Jar	ole W. Wa	 ater HV.	Hand V		Hand etrometer

Comments:

Trial pit was terminated at 2.30m due to probable bedrock.

Water seepage 2.30m (appeared to be on rockhead).

Suspected rockhead was scrapped a number of times but no impression could be made. Trial pit was extended in size to better excavate rock but it made no difference.

Trial pit walls stable. Logged by: GA

Backfilled with arisings upon completion.

11

Sheet 2 of 2



Picture 1 : Trial Pit 11



Picture 2: Trial Pit 11 (Spoil)

FINAL

Date: 30/08/17



Trial Pit No

TP12 (BP04)

Sheet 1 of 2

TRIAL PIT LOG

CIV No: WIE13408

Excavation Method: Tracked 360

Tracked 360 Coords: Excavator

NH32476,

Workstage:

101

Shoring: No

Ground Level: Date Started:

68348 N/A 21/08/17

Project Title:

Lochluichart Windfarm

Date Started: Dimensions:

1.20m x

2.00m

Description of Strata	Depth to	Level	Sampling	Testing
	base (m)	(mOD)	Type & Depth	1
Grass, heather and moss over dark brown amorphous to pseudo-fibrous PEAT with frequent rootlets.	0.50			
Orange slightly gravelly silty fine to medium SAND. Gravel is subangular to subrounded fine to coarse of mixed lithologies.	0.80			
Light yellow gravelly silty fine to medium SAND with occasional cobbles (0.40x0.20x0.10). Gravel is subangular to subrounded fine to coarse of dark grey psammite.	3.10			
Sample Key: B. Bulk D. Disturbed U. Triaxial Samp	ole W. Wa	ater HV.	Hand Vane H	P. Hand
G. Glass T. Tub J.Jar			P	enetrometer

Comments:

Trial pit was terminated at 3.10m due to excavator reach.

Trial pit was dry throughout excavation.

Trial pit walls stable. Logged by: GA

Backfilled with arisings upon completion.

12

Sheet 2 of 2



Picture 1 : Trial Pit 12



Picture 2: Trial Pit 12 (Spoil)

FINAL

Date: 30/08/17



Trial Pit No

TP13 (BP04)

Sheet 1 of 2

TRIAL PIT LOG

CIV No: WIE13408 **Excavation Method:** Tracked 360

Excavator

Coords:

NH32480,

Workstage:

101

Shoring: No

Ground Level:

68371 N/A

2.40m

Project Title:

Lochluichart Windfarm

Date Started: Dimensions:

21/08/17 1.10m x

Description of Strata	Depth to base (m)	Level (mOD)	Sampling Type & Depth	Testing
Grass, heather and moss over dark brown amorphous to pseudo-fibrous PEAT with frequent rootlets.	0.60			
Orange slightly gravelly silty fine to medium SAND. Gravel is subangular to subrounded fine to coarse of mixed lithologies.	0.80			
Light yellow gravelly silty fine to medium SAND with ocassional cobbles (0.60x0.20x0.10). Gravel is subangular to subrounded fine to coarse of dark grey psammite.	2.80			

Sample Key: B. Bulk D. Disturbed U. Triaxial Sample W. Water HV. Hand Vane HP. Hand Penetrometer G. Glass T. Tub J.Jar

Comments:

Trial pit was terminated at 2.80m due to excavator reach.

Slight seepage 0.60m.

Trial pit walls stable. Logged by: GA

Backfilled with arisings upon completion.

13

Sheet 2 of 2



Picture 1 : Trial Pit 13



Picture 2: Trial Pit 13 (Spoil)

FINAL

Date: 30/08/17



Trial Pit No

TP14 (BP04)

Sheet 1 of 2

TRIAL PIT LOG

CIV No: WIE13408 **Excavation Method:** Tracked 360

Excavator

Coords:

NH32420,

Workstage:

101

Shoring: No

Ground Level: Date Started:

68401 N/A 21/08/17

Project Title:

Lochluichart Windfarm

Dimensions:

1.00m x 2.30m

Description of Strata	Depth to base (m)	Level (mOD)	Sampling Type & Depth	Testing
Grass, heather and moss over dark brown amorphous to pseudo-fibrous PEAT with frequent rootlets.	0.90			
Orange slightly gravelly silty fine to medium SAND. Gravel is subangular to subrounded fine to coarse of mixed lithologies.	1.10			
Light yellow gravelly silty fine to medium SAND with occasional cobbles (0.40x0.20x0.10). Gravel is subangular to subrounded fine to coarse of dark grey psammite.	3.20			

Comments:

G. Glass

Trial pit was terminated at 3.20m due to excavator reach.

J.Jar

Trial pit was dry throughout excavation.

T. Tub

Trial pit walls stable. Logged by: GA

Backfilled with arisings upon completion.

Checked by: CG

Penetrometer

14

Sheet 2 of 2



Picture 1 : Trial Pit 14



Picture 2: Trial Pit 14 (Spoil)

FINAL

Date: 30/08/17



Trial Pit No

TP15 (BP04)

Sheet 1 of 2

TRIAL PIT LOG

WIE13408 CIV No:

Excavation Method: Tracked 360 Coords:

NH32415,

Workstage:

101

Ground Level: Date Started:

68381 N/A 21/08/17

Project Title:

Lochluichart Windfarm

Shoring: No Dimensions:

Excavator

1.00m x 2.40m

Description of Strata	Depth to base (m)	Level (mOD)	Sampling Type & De	
Grass, heather and moss over dark brown amorphous to pseudo-fibrous PEAT with frequent rootlets.	0.80	(5)	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	F-11-
Orange slightly gravelly silty fine to medium SAND. Gravel is subangular to subrounded fine to coarse of mixed lithologies.	1.00			
Light yellow gravelly silty fine to medium SAND with occasional cobbles (0.50x0.30x0.10). Gravel is subangular to subrounded fine to coarse of dark grey psammite.	3.10			
Sample Key: B. Bulk D. Disturbed U. Triaxial Sam G. Glass T. Tub J.Jar	ple W. Wa	ater HV. I	Hand Vane	HP. Hand Penetrometer

Comments:

Trial pit was terminated at 3.10m due to excavator reach.

Trial pit was dry throughout excavation.

Trial pit walls stable. Logged by: GA

Backfilled with arisings upon completion.

Sheet 2 of 2



Picture 1 : Trial Pit 15



Picture 2: Trial Pit 15 (Spoil)

FINAL

Date: 30/08/17



Trial Pit No

TP16 (BP04)

Sheet 1 of 2

TRIAL PIT LOG

CIV No: WIE13408 **Excavation Method:** Tracked 360

Coords: Excavator

NH32504,

Workstage:

101

Ground Level:

68396

Shoring: No

Date Started:

N/A 21/08/17 1.00m x

Project Title: Lochluichart Windfarm Dimensions: 2.10m

Description of Strata	Depth to base (m)	Level (mOD)	Sampling Type & Depth	Testing
Grass, heather and moss over dark brown amorphous to pseudo-fibrous PEAT with frequent rootlets.	0.30			
Orange slightly gravelly silty fine to medium SAND. Gravel is subangular to subrounded fine to coarse of mixed lithologies.	0.40			
Light yellow gravelly silty fine to medium SAND with occasional cobbles (0.50x0.30x0.10). Gravel is subangular to subrounded fine to coarse of dark grey psammite.	2.00			
Sample Key: B. Bulk D. Disturbed U. Triaxial Sample G. Glass T. Tub J.Jar	ole W. Wa	l ater HV.		P. Hand enetrometer

Comments:

This additional trial pit was undertaken to confirm ground conditions further up hill.

Trial pit was terminated at 2.00m due to digger reach.

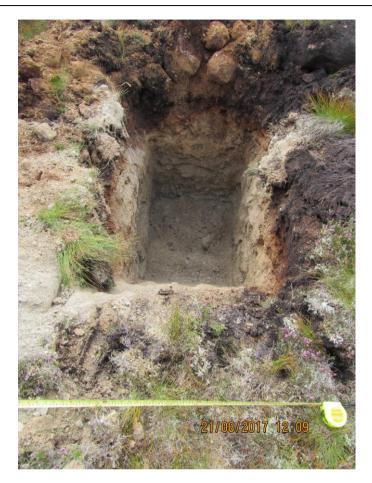
Trial pit was dry throughout excavation.

Trial pit walls stable. Logged by: GA

Backfilled with arisings upon completion.

16

Sheet 2 of 2



Picture 1 : Trial Pit 16



Picture 2: Trial Pit 16 (Spoil)



Appendix C - Borrow Pit Overview Photographs





BP01



BP01

FINAL





BP02



FINAL





BP03



BP03

FINAL





BP04



BP04



Appendix D - Preferred Borrow Pit Locations

Project Id: WIE13408 Title: Site Plan Project Title: Lochluichart 1:10000 Scale: Location: Lochluichart Windfarm Engineer: Waterman Infrastructure and Environment Client: Contractor: Infinergy Legend Key **Final Borrow** Pit Locations Borrow Pit 1 Borrow Pit 2 |500 Metres 1500 Feet result product screen abouts repulated with permission from Microsoft Corporation