

Status FINAL Date: 30/08/17	 TRIAL PIT LOG	Trial Pit No 08 (BP02) Sheet 1 of 2
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CIV No: WIE13408	Excavation Method: Tracked 360 Excavator	Coords: NH33133, 68876
Workstage: 101	Shoring : No	Ground Level: N/A
Project Title: Lochluichart Windfarm		Date Started: 22/08/17
		Dimensions: 1.80m x 2.40m

Description of Strata	Depth to base (m)	Level (mOD)	Sampling Type & Depth	Testing
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			
Greenish grey gravelly very silty fine to medium SAND with frequent cobbles. Gravel is subangular to subrounded fine to coarse of psammite.	1.40			
Probable rockhead (Psammite)				

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 1.40m due to probable rockhead. Trial pit was dry throughout excavation. Trial pit walls stable. Backfilled with arisings upon completion.	Logged by: GA Checked by: CG
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Status
FINAL



Trial Pit No
08
Sheet 2 of 2


TRIAL PIT LOG PHOTOGRAPHIC RECORD



Picture 1: Trial Pit 08



Picture 2: Trial Pit 08 (Spoil)

Status FINAL Date: 30/08/17	 TRIAL PIT LOG	Trial Pit No 09 (BP02) Sheet 1 of 2
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CIV No: WIE13408	Excavation Method: Tracked 360 Excavator	Coords: NH32984, 68336
Workstage: 101	Shoring : No	Ground Level: N/A
Project Title: Lochluichart Windfarm		Date Started: 22/08/17
		Dimensions: 1.60m x 2.10m

Description of Strata	Depth to base (m)	Level (mOD)	Sampling Type & Depth	Testing
Grass, heather and moss over dark brown amorphous PEAT with frequent rootlets.	0.40			
Dark grey brown gravelly silty SAND with frequent cobbles. Gravel is angular to subrounded of predominantly psammite.	0.80			
Probable rockhead (Psammite)				

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 0.80m due to suspected bedrock. Trial pit was dry throughout excavation. Trial pit walls stable. Backfilled with arisings upon completion.	Logged by: GA Checked by: CG
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Status
FINAL



Trial Pit No
09
Sheet 2 of 2

TRIAL PIT LOG PHOTOGRAPHIC RECORD



Picture 1: Trial Pit 09



Picture 2: Trial Pit 09 (Spoil)

Status FINAL Date: 30/08/17	 TRIAL PIT LOG	Trial Pit No 10 (BP03) Sheet 1 of 2
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CIV No: WIE13408	Excavation Method: Tracked 360 Excavator	Coords: NH32986, 62895
Workstage: 101	Shoring : No	Ground Level: N/A
Project Title: Lochluichart Windfarm		Date Started: 22/08/17 Dimensions: 1.20m x 2.30m

Description of Strata	Depth to base (m)	Level (mOD)	Sampling Type & Depth	Testing
Grass, heather and moss over dark brown amorphous PEAT with frequent rootlets.	1.10			
Greenish grey gravelly very silty fine to medium SAND with occasional cobbles. Gravel is subangular to subrounded fine to coarse of dark grey psammite. Turned blueish grey from 1.60m	3.00			
Possible rockhead/ obstruction				

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 3.00m due to possible rockhead/ boulder obstruction. Trial pit was dry throughout excavation. Trial pit walls stable. Backfilled with arisings upon completion.	Logged by: GA Checked by: CG
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Status
FINAL



Trial Pit No
10
Sheet 2 of 2

TRIAL PIT LOG PHOTOGRAPHIC RECORD



Picture 1 : Trial Pit 10



Picture 2: Trial Pit 10 (Spoil)

Status FINAL Date: 30/08/17	 TRIAL PIT LOG	Trial Pit No TP11 (BP03) Sheet 1 of 2
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CIV No: WIE13408	Excavation Method: Tracked 360 Excavator	Coords: NH32947, 688290
Workstage: 101	Shoring: No	Ground Level: N/A
Project Title: Lochluichart Windfarm		Date Started: 21/08/17
		Dimensions: 1.80m x 4.10m

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.	0.70			
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 Sample W. Water HV. Hand Vane HP. Hand Penetrometer G. Glass T. Tub J. Jar				

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. Backfilled with arisings upon completion.	Logged by: GA Checked by: CG
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Status
FINAL



Trial Pit No
11
Sheet 2 of 2

TRIAL PIT LOG PHOTOGRAPHIC RECORD



Picture 1 : Trial Pit 11



Picture 2: Trial Pit 11 (Spoil)

Status FINAL Date: 30/08/17	 TRIAL PIT LOG	Trial Pit No TP12 (BP04) Sheet 1 of 2
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CIV No: WIE13408	Excavation Method: Tracked 360 Excavator	Coords: NH32476, 68348
Workstage: 101	Shoring : No	Ground Level: N/A
Project Title: Lochluichart Windfarm		Date Started: 21/08/17
		Dimensions: 1.20m x 2.00m

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.	0.50			
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 Sample W. Water HV. Hand Vane HP. Hand Penetrometer
 G. Glass T. Tub J. Jar

Comments: Trial pit was terminated at 3.10m due to excavator reach. Trial pit was dry throughout excavation. Trial pit walls stable. Backfilled with arisings upon completion.	Logged by: GA Checked by: CG
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Status
FINAL



Trial Pit No
12
Sheet 2 of 2

TRIAL PIT LOG PHOTOGRAPHIC RECORD



Picture 1 : Trial Pit 12



Picture 2: Trial Pit 12 (Spoil)

Status FINAL Date: 30/08/17	 TRIAL PIT LOG	Trial Pit No TP13 (BP04) Sheet 1 of 2
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CIV No: WIE13408	Excavation Method: Tracked 360 Excavator	Coords: NH32480, 68371
Workstage: 101	Shoring: No	Ground Level: N/A
Project Title: Lochluichart Windfarm		Date Started: 21/08/17
		Dimensions: 1.10m x 2.40m

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 occasional 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. Backfilled with arisings upon completion.	Logged by: GA Checked by: CG
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Status
FINAL



Trial Pit No
13
Sheet 2 of 2

TRIAL PIT LOG PHOTOGRAPHIC RECORD



Picture 1 : Trial Pit 13



Picture 2: Trial Pit 13 (Spoil)

Status FINAL Date: 30/08/17	 TRIAL PIT LOG	Trial Pit No TP14 (BP04) Sheet 1 of 2
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CIV No: WIE13408	Excavation Method: Tracked 360 Excavator	Coords: NH32420, 68401
Workstage: 101	Shoring: No	Ground Level: N/A
Project Title: Lochluichart Windfarm		Date Started: 21/08/17
		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			

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 3.20m due to excavator reach. Trial pit was dry throughout excavation. Trial pit walls stable. Backfilled with arisings upon completion.	Logged by: GA Checked by: CG
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Status
FINAL



Trial Pit No
14
Sheet 2 of 2

TRIAL PIT LOG PHOTOGRAPHIC RECORD



Picture 1 : Trial Pit 14



Picture 2: Trial Pit 14 (Spoil)

Status FINAL Date: 30/08/17	 TRIAL PIT LOG	Trial Pit No TP15 (BP04) Sheet 1 of 2
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CIV No: WIE13408	Excavation Method: Tracked 360 Excavator	Coords: NH32415, 68381
Workstage: 101	Shoring: No	Ground Level: N/A
Project Title: Lochluichart Windfarm		Date Started: 21/08/17
		Dimensions: 1.00m x 2.40m

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.	0.80			
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 Sample W. Water HV. Hand Vane HP. Hand Penetrometer
 G. Glass T. Tub J. Jar

Comments: Trial pit was terminated at 3.10m due to excavator reach. Trial pit was dry throughout excavation. Trial pit walls stable. Backfilled with arisings upon completion.	Logged by: GA Checked by: CG
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Status
FINAL



Trial Pit No
15
Sheet 2 of 2


TRIAL PIT LOG PHOTOGRAPHIC RECORD



Picture 1 : Trial Pit 15



Picture 2: Trial Pit 15 (Spoil)

Status FINAL Date: 30/08/17	 TRIAL PIT LOG	Trial Pit No TP16 (BP04) Sheet 1 of 2
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CIV No: WIE13408	Excavation Method: Tracked 360 Excavator	Coords: NH32504, 68396
Workstage: 101	Shoring : No	Ground Level: N/A
Project Title: Lochluichart Windfarm		Date Started: 21/08/17
		Dimensions: 1.00m x 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 W. Water HV. Hand Vane HP. Hand Penetrometer
 G. Glass T. Tub J. Jar

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. Backfilled with arisings upon completion.	Logged by: GA Checked by: CG
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Status
FINAL



Trial Pit No
16
Sheet 2 of 2

TRIAL PIT LOG PHOTOGRAPHIC RECORD



Picture 1 : Trial Pit 16



Picture 2: Trial Pit 16 (Spoil)



Appendix C - Borrow Pit Overview Photographs

Status
FINAL



Borrow Pit Overview



BP01



BP01

Status
FINAL



Borrow Pit Overview



BP02



BP02

FINAL



Borrow Pit Overview



BP03



BP03

FINAL



Borrow Pit Overview



BP04



BP04



Appendix D – Preferred Borrow Pit Locations

Project Id: WIE13408
Project Title: Lochluichart
Location: Lochluichart Windfarm
Client: Infinergy

Title: Site Plan
Scale: 1:10000
Engineer: Waterman Infrastructure and Environment
Contractor:

Legend Key

- Final Borrow Pit Locations

