

		EXPLORATORY HOLE PHOTOGRAPHS		Exploratory Hole	
				S1-BH118	
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	283486.59	Equipment	Teredo dc3/Teredo DC3
Client	Walters UK Ltd	Northing	210735.68	Method	RC/RO/DS
Project No	G23012	Level	253.60 mAOD	Termination Reason	Scheduled depth

Sheet 1 of 10

Jackson Geoservices

Unit B3, Fram Enterprise Centre

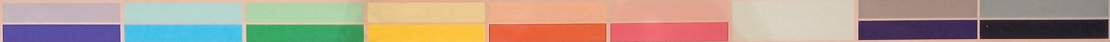
Parc Busnes Edwards, Llantrisant

Pontyclun, CF72 8QZ

Email: team@jacksongeo.co.uk

Telephone: 02920 099 769







Project Name	GCRE STAGE 2	Project Number	G23012
Client	WALTERS GROUP	Date	12 MAY 2023
Exploratory Hole Number	S1-BH118	Box / Face Number	
Depth (m) from	2.00 to 3.00	Engineer	A







S1-BH118 2.00 m to 3.00 m

Jackson Geoservices

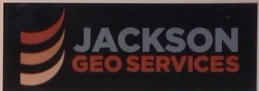
Unit B3, Fram Enterprise Centre

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Project Name	GCRE STAGE 2	Project Number	G23012
Client	WALTERS GROUP	Date	12 MAY 2023
Exploratory Hole Number	S1-BH118	Box / Face Number	
Depth (m) from	3.00 to 4.00	Engineer	A







S1-BH118 3.00 m to 4.00 m

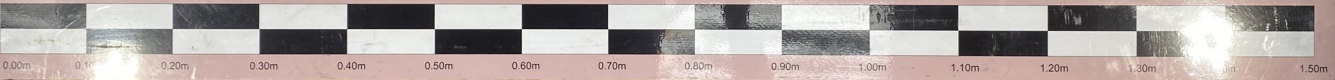
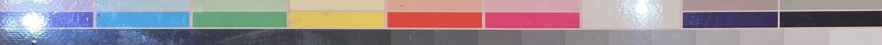
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						S1-BH118
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	283486.59	Equipment	Teredo dc3/Teredo DC3	Sheet 2 of 10
Client	Walters UK Ltd	Northing	210735.68	Method	RC/RO/DS	
Project No	G23012	Level	253.60 mAOD	Termination Reason	Scheduled depth	

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Project Name	GCRE STAGE 2	Project Number	G23012
Client	WALTERS GROUP	Date	16 MAY 2023
Exploratory Hole Number	S1-BH118	Box / Face Number	
Depth (m) from	4.50 to 6.00	Engineer	RF





4.50m

6.00m

7.50m

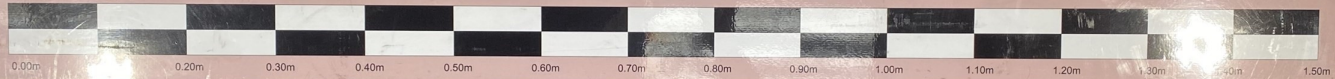
S1-BH118 4.50 m to 6.00 m

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Project Name	GCRE STAGE 2	Project Number	G23012
Client	WALTERS GROUP	Date	16 MAY 2023
Exploratory Hole Number	S1-BH118	Box / Face Number	
Depth (m) from	6.00 to 7.50	Engineer	RF





4.50m

6.00m

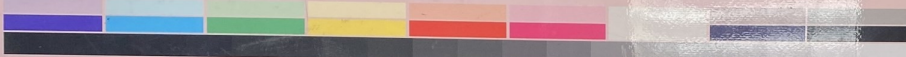
7.50m

S1-BH118 6.00 m to 7.50 m

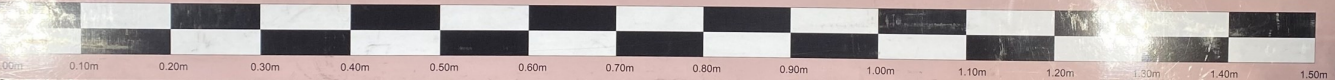
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						S1-BH118
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	283486.59	Equipment	Teredo dc3/Teredo DC3	Sheet 3 of 10
Client	Walters UK Ltd	Northing	210735.68	Method	RC/RO/DS	
Project No	G23012	Level	253.60 mAOD	Termination Reason	Scheduled depth	

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Project Name	GCRE STAGE 2	Project Number	G23012
Client	WALTERS GROUP	Date	16 MAY 2023
Exploratory Hole Number	S1-BH118	Box / Face Number	
Depth (m) from	7.50 to 9.00	Engineer	RF





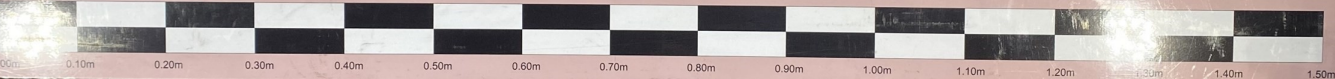
S1-BH118 7.50 m to 9.00 m

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Project Name	GCRE STAGE 2	Project Number	G23012
Client	WALTERS GROUP	Date	16 MAY 2023
Exploratory Hole Number	S1-BH118	Box / Face Number	
Depth (m) from	9.00 to 10.50	Engineer	RF





S1-BH118 9.00 m to 10.50 m

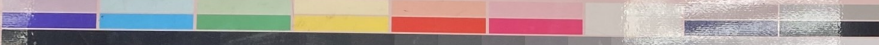
		EXPLORATORY HOLE PHOTOGRAPHS				Exploratory Hole
						S1-BH118
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	283486.59	Equipment	Teredo dc3/Teredo DC3	Sheet 4 of 10
Client	Walters UK Ltd	Northing	210735.68	Method	RC/RO/DS	
Project No	G23012	Level	253.60 mAOD	Termination Reason	Scheduled depth	

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Project Name	GCRE STAGE 2	Project Number	G23012
Client	WALTERS GROUP	Date	16 MAY 2023
Exploratory Hole Number	S1-BH118	Box / Face Number	
Depth (m) from	10.50 to 12.00	Engineer	RF

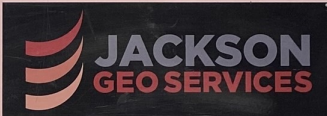




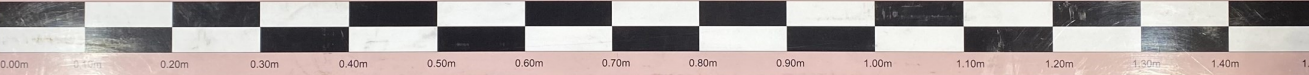
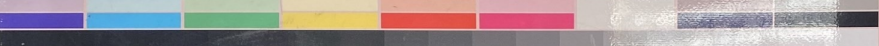
S1-BH118 10.50 m to 12.00 m

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Project Name	GCRE STAGE 2	Project Number	G23012
Client	WALTERS GROUP	Date	16 MAY 2023
Exploratory Hole Number	S1-BH118	Box / Face Number	
Depth (m) from	12.00 to 13.50	Engineer	RF





S1-BH118 12.00 m to 13.50 m

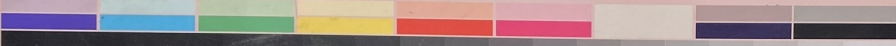
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						S1-BH118
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	283486.59	Equipment	Teredo dc3/Teredo DC3	Sheet 5 of 10
Client	Walters UK Ltd	Northing	210735.68	Method	RC/RO/DS	
Project No	G23012	Level	253.60 mAOD	Termination Reason	Scheduled depth	

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Project Name	QCRE STAGE 2	Project Number	G23012
Client	WALTERS GROUP	Date	16 MAY 2023
Exploratory Hole Number	SI-BH118	Box / Face Number	
Depth (m) from	13.50 to 15.00	Engineer	RF





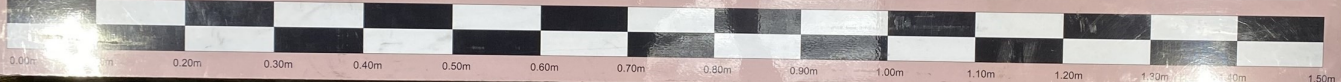
S1-BH118 13.50 m to 15.00 m

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Project Name	QCRE STAGE 2	Project Number	G23012
Client	WALTERS GROUP	Date	16 MAY 2023
Exploratory Hole Number	SI-BH118	Box / Face Number	
Depth (m) from	15.00 to 16.50	Engineer	RF


S1-BH118 15.00 m to 16.50 m

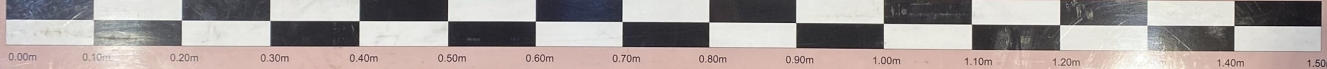
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						S1-BH118
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	283486.59	Equipment	Teredo dc3/Teredo DC3	Sheet 6 of 10
Client	Walters UK Ltd	Northing	210735.68	Method	RC/RO/DS	
Project No	G23012	Level	253.60 mAOD	Termination Reason	Scheduled depth	

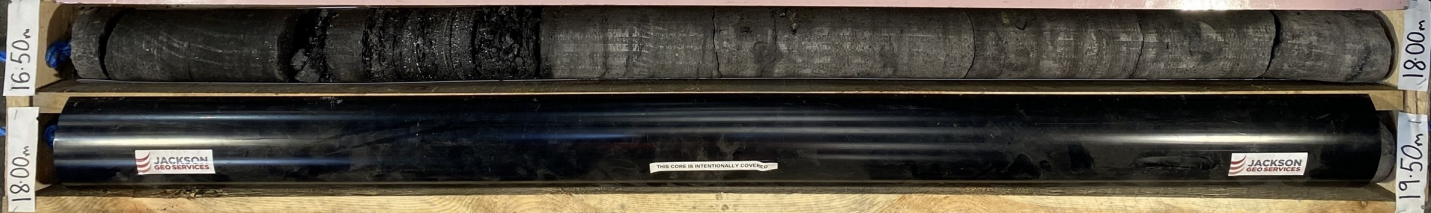
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Project Name	GCRE STAGE 2	Project Number	G23012
Client	WALTERS GROUP	Date	16 MAY 2023
Exploratory Hole Number	S1-BH118	Box / Face Number	
Depth (m) from	16.50 to 18.00	Engineer	RF





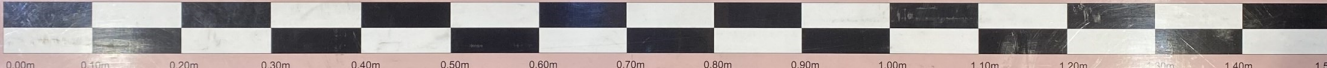
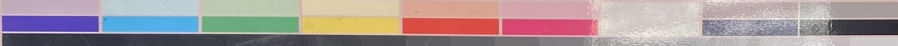
S1-BH118 16.50 m to 18.00 m

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Project Name	GCRE STAGE 2	Project Number	G23012
Client	WALTERS GROUP	Date	16 MAY 2023
Exploratory Hole Number	S1-BH118	Box / Face Number	
Depth (m) from	18.00 to 19.50	Engineer	RF



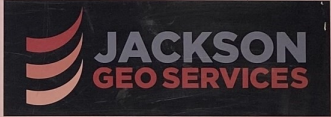


S1-BH118 18.00 m to 19.50 m

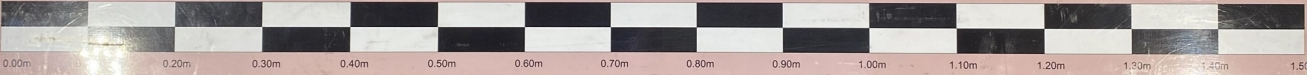
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						S1-BH118
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	283486.59	Equipment	Teredo dc3/Teredo DC3	Sheet 7 of 10
Client	Walters UK Ltd	Northing	210735.68	Method	RC/RO/DS	
Project No	G23012	Level	253.60 mAOD	Termination Reason	Scheduled depth	

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Project Name	GCRE STAGE 2	Project Number	G23012
Client	WALTERS GROUP	Date	16 MAY 2023
Exploratory Hole Number	S1-BH118	Box / Face Number	
Depth (m) from	19.50 to 21.00	Engineer	RF

19.50m



21.00m

21.00m

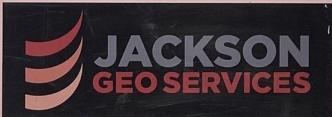


22.50m

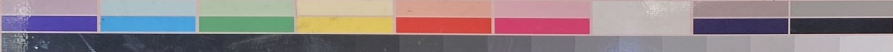
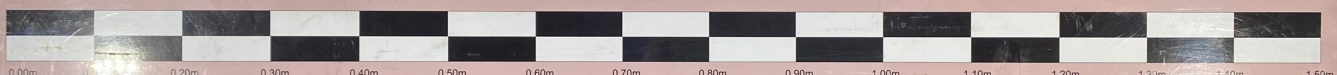
S1-BH118 19.50 m to 21.00 m

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Project Name	GCRE STAGE 2	Project Number	G23012
Client	WALTERS GROUP	Date	16 MAY 2023
Exploratory Hole Number	S1-BH118	Box / Face Number	
Depth (m) from	21.00 to 22.50	Engineer	RF

19.50m



21.00m

21.00m



22.50m

S1-BH118 21.00 m to 22.50 m

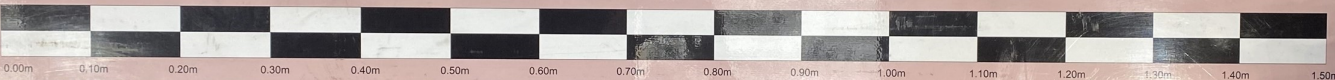
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						S1-BH118
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	283486.59	Equipment	Teredo dc3/Teredo DC3	Sheet 8 of 10
Client	Walters UK Ltd	Northing	210735.68	Method	RC/RO/DS	
Project No	G23012	Level	253.60 mAOD	Termination Reason	Scheduled depth	

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Project Name	GCRE STAGE 2	Project Number	G23012
Client	WALTERS GROUP	Date	16 MAY 2023
Exploratory Hole Number	S1-BH118	Box / Face Number	
Depth (m) from	22.50 to 24.00	Engineer	RF





S1-BH118 22.50 m to 24.00 m

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Project Name	GCRE STAGE 2	Project Number	G23012
Client	WALTERS GROUP	Date	16 MAY 2023
Exploratory Hole Number	S1-BH118	Box / Face Number	
Depth (m) from	24.00 to 25.50	Engineer	RF





S1-BH118 24.00 m to 25.50 m

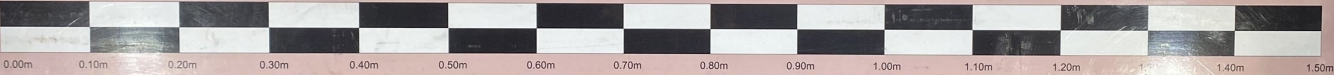
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						S1-BH118
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	283486.59	Equipment	Teredo dc3/Teredo DC3	Sheet 9 of 10
Client	Walters UK Ltd	Northing	210735.68	Method	RC/RO/DS	
Project No	G23012	Level	253.60 mAOD	Termination Reason	Scheduled depth	

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Project Name	GCRE STAGE 2	Project Number	G23012
Client	WALTERS GROUP	Date	16 MAY 2023
Exploratory Hole Number	S1-BH118	Box / Face Number	
Depth (m) from	25.50 to 26.70	Engineer	RF





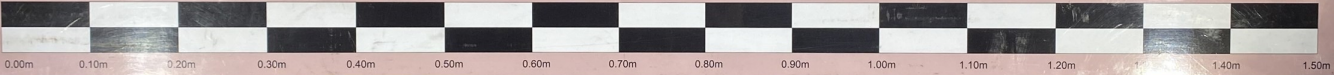
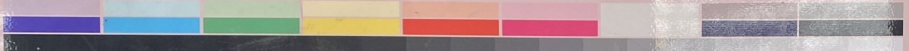
S1-BH118 25.50 m to 26.70 m

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Project Name	GCRE STAGE 2	Project Number	G23012
Client	WALTERS GROUP	Date	16 MAY 2023
Exploratory Hole Number	S1-BH118	Box / Face Number	
Depth (m) from	26.70 to 27.70	Engineer	RF





S1-BH118 26.70 m to 27.70 m

		EXPLORATORY HOLE PHOTOGRAPHS				Exploratory Hole
						S1-BH118
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	283486.59	Equipment	Teredo dc3/Teredo DC3	Sheet 10 of 10
Client	Walters UK Ltd	Northing	210735.68	Method	RC/RO/DS	
Project No	G23012	Level	253.60 mAOD	Termination Reason	Scheduled depth	

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Project Name	GCRE STAGE 2	Project Number	G23012
Client	WALTERS GROUP	Date	16 MAY 2023
Exploratory Hole Number	S1-BH118	Box / Face Number	
Depth (m) from	27.70 to 29.20	Engineer	RF





S1-BH118 27.70 m to 29.20 m

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Project Name	GCRE STAGE 2	Project Number	G23012
Client	WALTERS GROUP	Date	16 MAY 2023
Exploratory Hole Number	S1-BH118	Box / Face Number	
Depth (m) from	29.20 to 30.70	Engineer	RF





S1-BH118 29.20 m to 30.70 m

Samples	Sampling and Testing Depths	Insitu Testing and Depth Related Remarks	Drill Runs	TCR SCR RQD	Depth (Thickness)	Level (mAOD)	Legend	Description	If (min ave max)	Scale	Backfill
					0.00			NO RECOVERY. Temporary access road surface. (Driller's description) (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR			
1 D 101 ES 102 B	1.40 1.40 1.50 - 1.70 1.50 1.70 - 3.00	SPT(S) N=13 (2,1/4,2,3,4) Casing: 1.40 Water: Dry PID: 0.0ppmv	RO 0.00 - 1.40	0% 0% 0%	(1.40)	257.23		Firm to stiff becoming stiff brownish grey mottled orangish brown and dark grey slightly sandy gravelly silty CLAY with low cobble content. Sand is fine to coarse. Gravel is very angular to subangular fine to coarse of mudstone, siltstone and sandstone with occasional coal. Cobbles are angular of strong sandstone. (MADE GROUND) Geology Code: MGR 2nd Geology Code: CL		0.50 1.00 1.50 2.00	
2 D 103 ES 104 B	2.40 2.40 2.50 - 2.70 2.50 3.00 - 4.40	SPT(S) N=23 (3,6/6,5,6,6) Casing: 1.40 Water: Dry PID: 0.0ppmv	DS 1.40 - 2.40	90% 0% 0%	(3.00)			2.40m - 4.40m Stiff.		2.50 3.00	
3 D 105 ES 4 D	3.40 3.40 4.40 4.40 - 4.60 4.40 4.40	SPT(S) N=20 (6,3/5,5,5,5) Casing: 1.40 Water: Dry PID: 0.0ppmv	DS 2.40 - 3.40	100% 0% 0%		254.23		Medium dense grey clayey sandy very angular to subangular fine to coarse GRAVEL of mudstone, siltstone and sandstone with occasional coal. Sand is fine to coarse. (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR		3.50 4.00 4.50 5.00	
								Continued on next Sheet			

Remarks									
Rotary open boring from GL to 1.40m. Dynamic sampling from 1.40m to 5.40m. Rotary open boring from 5.40m to 7.50m. Rotary open boring from 7.50m to 8.10m. Rotary coring from 8.10m to 31.50m.									



Exploratory Hole Progress by Time				Exploratory Hole	
Date and Time	Depth	Casing Depth	Water Depth	S1-BH119	
				Sheet 2 of 7	
				Scale	1:25
				Drilled	CJ
				Logged	AF
				Checked	AP

Drilling Flush					Hole Diameter		Casing Diameter		Water Added		Water Strikes						
Depth Top	Depth Base	Type	Colour	Returns	Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Date and Time	Casing	Strike	Sealed	Rising to	Time	Remarks
5.40	7.50	Air/Mist	Grey	100%	31.50	121mm	10.50	140mm			17/05/2023 17:00	10.50	24.00		14.60	20mins	
8.10	31.50	Air/Mist	Grey	100%													
Drill Bit Type		PCD			Drill Bit Condition		Good		Core Barrel Type		Conventional Triple Tube		Core Barrel Length			1.50	

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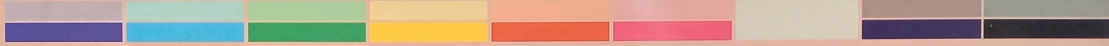
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				S1-BH119	
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	283561.81	Equipment	Teredo DC3/Teredo dc3
Client	Walters UK Ltd	Northing	210851.95	Method	RO/DS/RC
Project No	G23012	Level	258.63 mAOD	Termination Reason	Scheduled depth

Sheet 2 of 11

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Project Name	GCRE STAGE 2	Project Number	G23012
Client	WALTERS GROUP	Date	17 MAY 2023
Exploratory Hole Number	SI-BH119	Box / Face Number	
Depth (m) from	3.40 to 4.40	Engineer	A



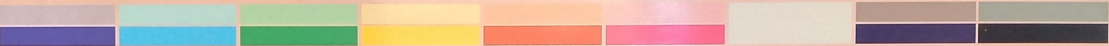


S1-BH119 3.40 m to 4.40 m

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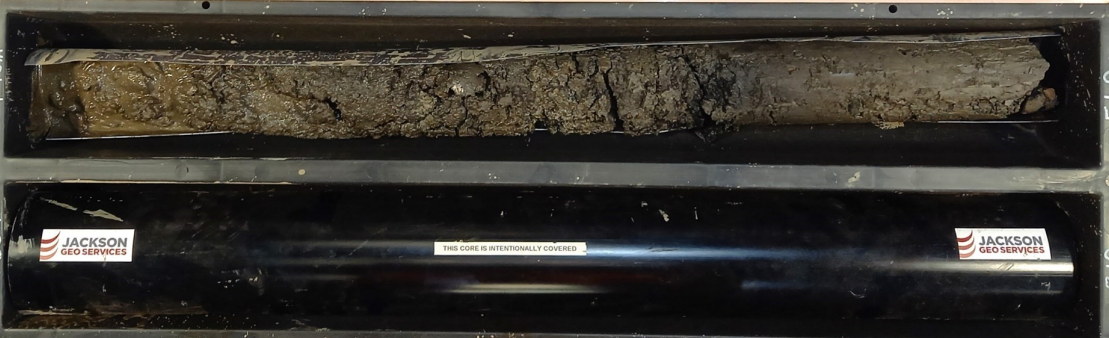
Email: team@jacksongeo.co.uk
Telephone: 02920 099 769





Project Name	GCRE STAGE 2	Project Number	G23012
Client	WALTERS GROUP	Date	17 MAY 2023
Exploratory Hole Number	SI-BH119	Box / Face Number	
Depth (m) from	4.40 to 5.40	Engineer	A





S1-BH119 4.40 m to 5.40 m

		EXPLORATORY HOLE PHOTOGRAPHS		Exploratory Hole	
				S1-BH119	
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	283561.81	Equipment	Teredo DC3/Teredo dc3
Client	Walters UK Ltd	Northing	210851.95	Method	RO/DS/RC
Project No	G23012	Level	258.63 mAOD	Termination Reason	Scheduled depth

Sheet 4 of 11

Jackson Geoservices
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Project Name	GCRE STAGE 2	Project Number	G23012
Client	WALTERS GROUP	Date	18 MAY 2023
Exploratory Hole Number	S1-BH119	Box / Face Number	
Depth (m) from	9.00 to 10.50	Engineer	A





S1-BH119 9.00 m to 10.50 m

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Project Name	GCRE STAGE 2	Project Number	G23012
Client	WALTERS GROUP	Date	18 MAY 2023
Exploratory Hole Number	S1-BH119	Box / Face Number	
Depth (m) from	10.50 to 12.00	Engineer	A



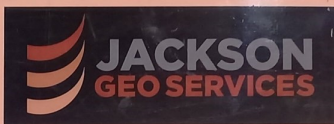


S1-BH119 10.50 m to 12.00 m

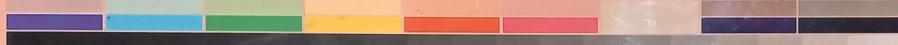
		EXPLORATORY HOLE PHOTOGRAPHS				Exploratory Hole
						S1-BH119
Project	Global Centre of Rail Excellence (GCRE) Stage 2	Easting	283561.81	Equipment	Teredo DC3/Teredo dc3	Sheet 5 of 11
Client	Walters UK Ltd	Northing	210851.95	Method	RO/DS/RC	
Project No	G23012	Level	258.63 mAOD	Termination Reason	Scheduled depth	

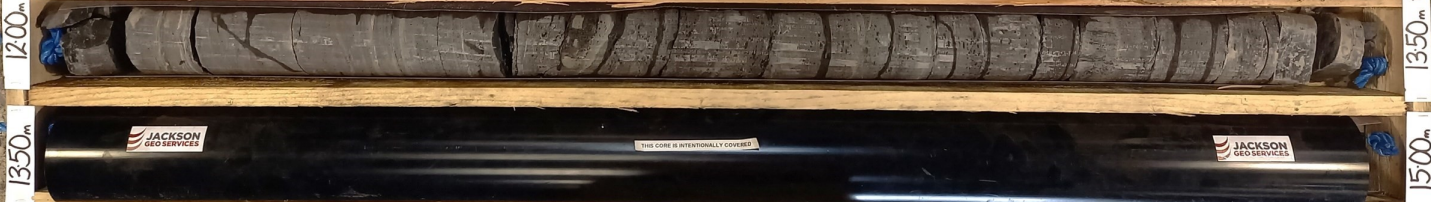
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Project Name	GCRE STAGE 2	Project Number	G23012
Client	WALTERS GROUP	Date	18 MAY 2023
Exploratory Hole Number	S1-BH119	Box / Face Number	
Depth (m) from	12.00 to 13.50	Engineer	A





S1-BH119 12.00 m to 13.50 m

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Project Name	GCRE STAGE 2	Project Number	G23012
Client	WALTERS GROUP	Date	18 MAY 2023
Exploratory Hole Number	S1-BH119	Box / Face Number	
Depth (m) from	13.50 to 15.00	Engineer	A





S1-BH119 13.50 m to 15.00 m