

		EXPLORATORY HOLE PHOTOGRAPHS		Remarks Hand excavated inspection pit from GL to 1.20m. Dynamic sampling from 1.20m to 11.30m. Rotary coring from 11.30m to 30.80m.	Exploratory Hole S1-BH103
Project	Global Centre of Rail Excellence	Easting	284603.15	Equipment	Insulated Digging Tools/Comacchio 305
Client	Walters UK Limited	Northing	210646.48	Method	IP/DS/RC
Project No	G22069	Level	234.33 mAOD	Termination Reason	Scheduled depth

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Pontyclun, CF72 8QZ

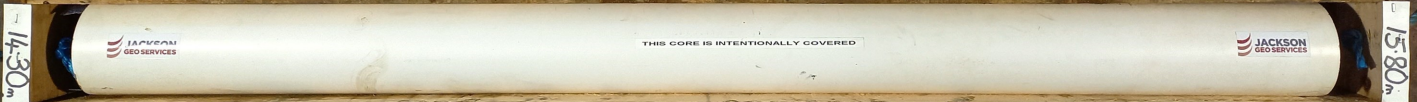
Email: team@jacksongeo.co.uk
Telephone: 02920 099 769



Project Name	GCRE	Project Number	G22069
Client	WALTERS GROUP	Date	30 NOV' 2022
Exploratory Hole Number	S1-BH103	Box / Face Number	
Depth (m) from	12.80 to 14.30	Engineer	A







S1-BH103 12.80 m to 14.30 m

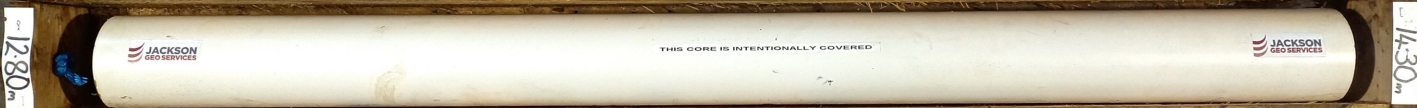
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Pontyclun, CF72 8QZ

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Project Name	GCRE	Project Number	G22069
Client	WALTERS GROUP	Date	30 NOV' 2022
Exploratory Hole Number	S1-BH103	Box / Face Number	
Depth (m) from	14.30 to 15.80	Engineer	A







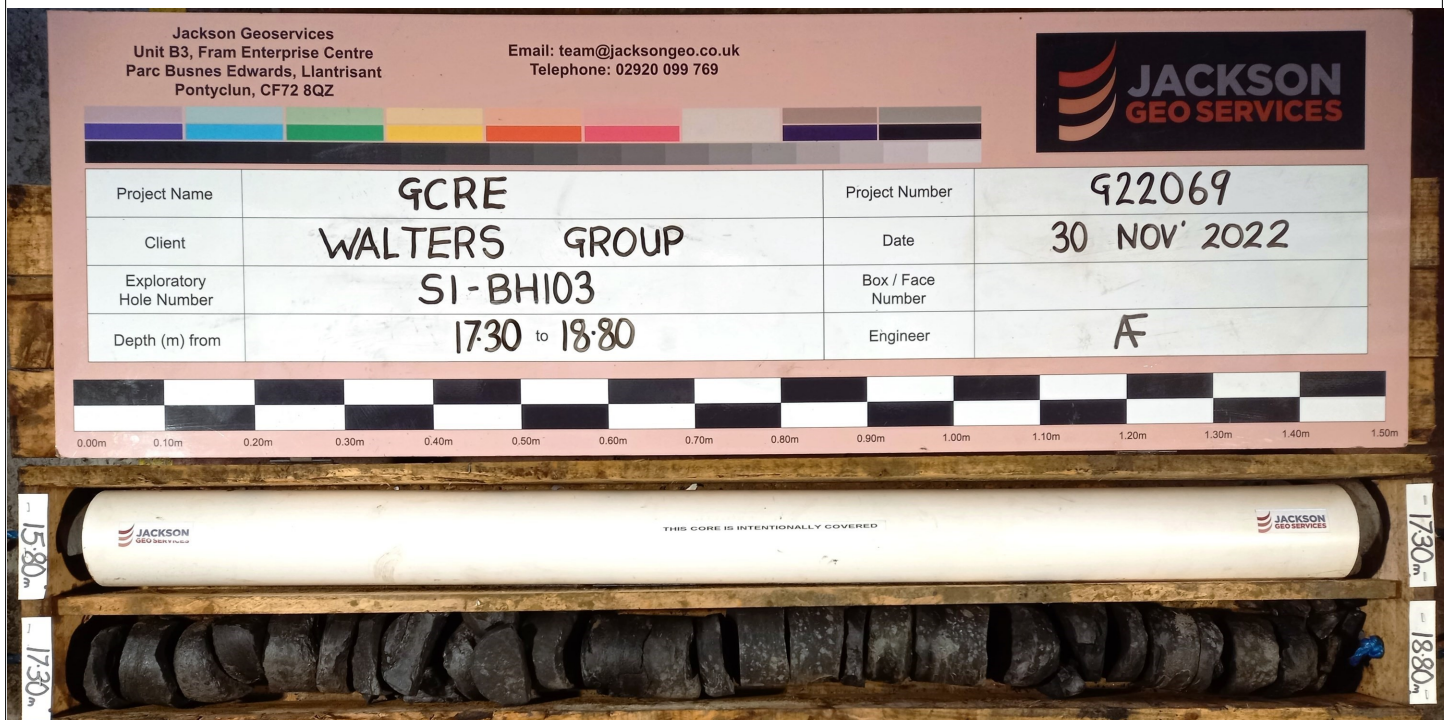
S1-BH103 14.30 m to 15.80 m

		EXPLORATORY HOLE PHOTOGRAPHS		Remarks Hand excavated inspection pit from GL to 1.20m. Dynamic sampling from 1.20m to 11.30m. Rotary coring from 11.30m to 30.80m.	Exploratory Hole S1-BH103
Project	Global Centre of Rail Excellence	Easting	284603.15	Equipment	Insulated Digging Tools/Comacchio 305
Client	Walters UK Limited	Northing	210646.48	Method	IP/DS/RC
Project No	G22069	Level	234.33 mAOD	Termination Reason	Scheduled depth

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S1-BH103 15.80 m to 17.30 m



S1-BH103 17.30 m to 18.80 m

		EXPLORATORY HOLE PHOTOGRAPHS		Remarks Hand excavated inspection pit from GL to 1.20m. Dynamic sampling from 1.20m to 11.30m. Rotary coring from 11.30m to 30.80m.	Exploratory Hole S1-BH103
Project	Global Centre of Rail Excellence	Easting	284603.15	Equipment	Insulated Digging Tools/Comacchio 305
Client	Walters UK Limited	Northing	210646.48	Method	IP/DS/RC
Project No	G22069	Level	234.33 mAOD	Termination Reason	Scheduled depth

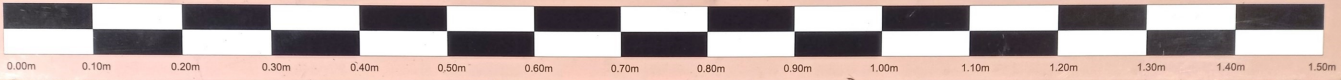
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Project Name	GCRE	Project Number	G22069
Client	WALTERS GROUP	Date	30 NOV' 2022
Exploratory Hole Number	SI-BH103	Box / Face Number	
Depth (m) from	18.80 to 20.30	Engineer	A




S1-BH103 18.80 m to 20.30 m

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Project Name	GCRE	Project Number	G22069
Client	WALTERS GROUP	Date	30 NOV' 2022
Exploratory Hole Number	SI-BH103	Box / Face Number	
Depth (m) from	20.30 to 21.80	Engineer	A




S1-BH103 20.30 m to 21.80 m

		EXPLORATORY HOLE PHOTOGRAPHS		Remarks Hand excavated inspection pit from GL to 1.20m. Dynamic sampling from 1.20m to 11.30m. Rotary coring from 11.30m to 30.80m.	Exploratory Hole S1-BH103
Project	Global Centre of Rail Excellence	Easting	284603.15	Equipment	Insulated Digging Tools/Comacchio 305
Client	Walters UK Limited	Northing	210646.48	Method	IP/DS/RC
Project No	G22069	Level	234.33 mAOD	Termination Reason	Scheduled depth

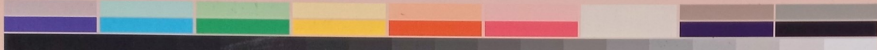
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Project Name	GCRE	Project Number	G22069
Client	WALTERS GROUP	Date	30 NOV' 2022
Exploratory Hole Number	S1-BH103	Box / Face Number	
Depth (m) from	21.80 to 23.30	Engineer	A





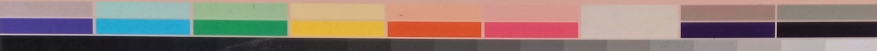
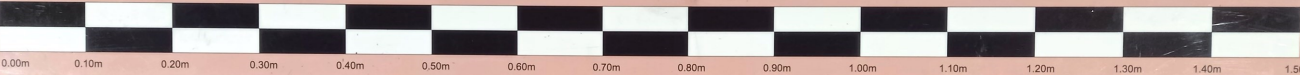

S1-BH103 21.80 m to 23.30 m

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Project Name	GCRE	Project Number	G22069
Client	WALTERS GROUP	Date	30 NOV' 2022
Exploratory Hole Number	S1-BH103	Box / Face Number	
Depth (m) from	23.30 to 24.80	Engineer	A



S1-BH103 23.30 m to 24.80 m

		EXPLORATORY HOLE PHOTOGRAPHS		Remarks Hand excavated inspection pit from GL to 1.20m. Dynamic sampling from 1.20m to 11.30m. Rotary coring from 11.30m to 30.80m.	Exploratory Hole S1-BH103
Project	Global Centre of Rail Excellence	Easting	284603.15	Equipment	Insulated Digging Tools/Comacchio 305
Client	Walters UK Limited	Northing	210646.48	Method	IP/DS/RC
Project No	G22069	Level	234.33 mAOD	Termination Reason	Scheduled depth

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Project Name	GCRE	Project Number	G22069
Client	WALTERS GROUP	Date	30 NOV' 2022
Exploratory Hole Number	S1-BH103	Box / Face Number	
Depth (m) from	24.80 to 26.30	Engineer	A





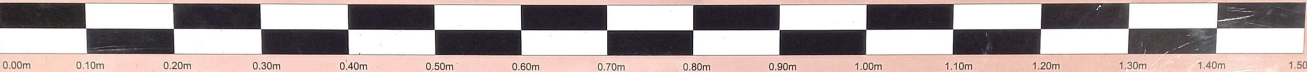

S1-BH103 24.80 m to 26.30 m

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Project Name	GCRE	Project Number	G22069
Client	WALTERS GROUP	Date	30 NOV' 2022
Exploratory Hole Number	S1-BH103	Box / Face Number	
Depth (m) from	26.30 to 27.80	Engineer	A



S1-BH103 26.30 m to 27.80 m

		EXPLORATORY HOLE PHOTOGRAPHS		Remarks Hand excavated inspection pit from GL to 1.20m. Dynamic sampling from 1.20m to 11.30m. Rotary coring from 11.30m to 30.80m.	Exploratory Hole S1-BH103
Project	Global Centre of Rail Excellence	Easting	284603.15	Equipment	Insulated Digging Tools/Comacchio 305
Client	Walters UK Limited	Northing	210646.48	Method	IP/DS/RC
Project No	G22069	Level	234.33 mAOD	Termination Reason	Scheduled depth

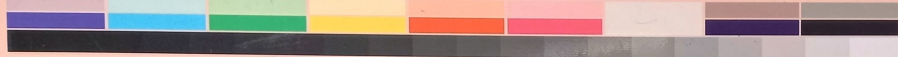
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Project Name	GCRC	Project Number	G22069
Client	WALTERS GROUP	Date	30 NOV' 2022
Exploratory Hole Number	S1-BH103	Box / Face Number	
Depth (m) from	27.80 to 29.30	Engineer	A





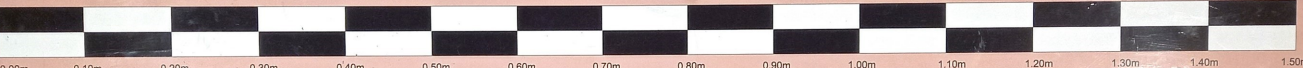

S1-BH103 27.80 m to 29.30 m

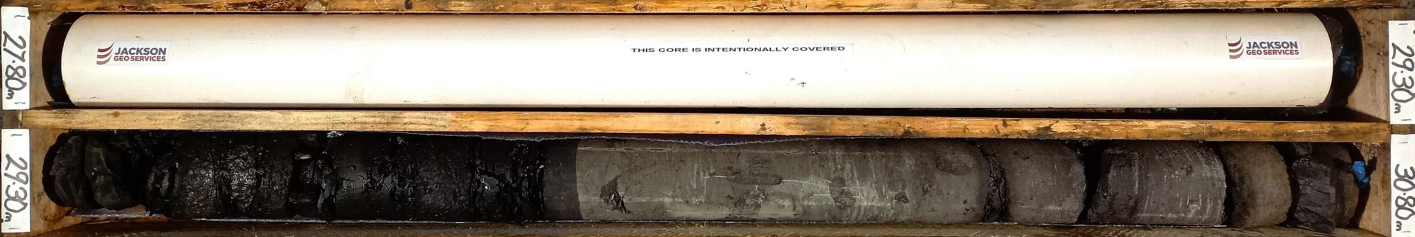
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Project Name	GCRC	Project Number	G22069
Client	WALTERS GROUP	Date	30 NOV' 2022
Exploratory Hole Number	S1-BH103	Box / Face Number	
Depth (m) from	29.30 to 30.80	Engineer	A



S1-BH103 29.30 m to 30.80 m



Exploratory Hole Progress by Time				Exploratory Hole	
Date and Time	Depth	Casing Depth	Water Depth	S1-BH105	
30/11/2022 12:00	0.00	0.00	Dry		
30/11/2022 16:30	5.20	4.20			
01/12/2022 08:30	5.20	4.20		Dry	
01/12/2022 15:15	9.80	9.00		Wet	
02/12/2022 09:15	9.80	9.00	7.14	Scale	1:25
02/12/2022 15:00	15.80	9.00	15.27	Drilled	TP
05/12/2022 08:30	15.80	9.00	6.56	Logged	AF/SC/JJ
05/12/2022 15:15	30.80	9.00	Wet	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
9.80	14.50	Air/Mist	Grey	100%	30.80	146mm	9.00	200mm			01/12/2022 10:00	6.00	7.00		5.01	30mins	
14.50	17.00	Air/Mist	Dark Grey	100%													
17.00	30.80	Air/Mist	Grey	100%													
Drill Bit Type			PCD		Drill Bit Condition		Good		Core Barrel Type		Wireline Triple Tube		Core Barrel Length			1.50	

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DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG								Exploratory Hole Progress by Time				Exploratory Hole			
								Date and Time		Depth	Casing Depth	Water Depth	S1-BH105		
Project	Global Centre of Rail Excellence			Equipment	Commachio 305/Insulated Digging Tools							Sheet 6 of 7			
Client	Walters UK Limited			Method	RC/IP/DS							Scale	1:25		
Project No	G22069	Level	236.49 mAOD	Inclination		90 degrees						Drilled	TP		
Easting	284718.99		Northing	210649.88		SPT Hammer Serial Number						JD06		Logged	AF/SC/JJ
Termination Reason	Scheduled depth			SPT Hammer Energy Ratio		69 %						Checked	AP		
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		
				RC 24.80 - 26.30	97% 85% 69%	25.20	211.29	x x							

