

		EXPLORATORY HOLE PHOTOGRAPHS		Remarks Hand excavated inspection pit from GL to 0.70m depth. Dynamic sampling from 0.70m to 4.00m depth. Rotary coring from 4.00m to 8.00m depth.		Exploratory Hole S1-BH107
Project	Global Centre of Rail Excellence	Easting	284280.50	Equipment	Insulated Hand Tools/Berretta T44	
Client	Walters UK Limited	Northing	210636.35	Method	IP/RC/WLS	
Project No	G22069	Level	229.89 mAOD	Termination Reason	Artesian water encountered	

Sheet 2 of 4



S1-BH107 3.00 m to 4.00 m



S1-BH107 4.00 m to 5.00 m

		EXPLORATORY HOLE PHOTOGRAPHS		Remarks Hand excavated inspection pit from GL to 0.70m depth. Dynamic sampling from 0.70m to 4.00m depth. Rotary coring from 4.00m to 8.00m depth.		Exploratory Hole S1-BH107
Project	Global Centre of Rail Excellence	Easting	284280.50	Equipment	Insulated Hand Tools/Berretta T44	
Client	Walters UK Limited	Northing	210636.35	Method	IP/RC/WLS	
Project No	G22069	Level	229.89 mAOD	Termination Reason	Artesian water encountered	



S1-BH107 5.00 m to 6.00 m



S1-BH107 6.00 m to 7.00 m

		EXPLORATORY HOLE PHOTOGRAPHS		Remarks Hand excavated inspection pit from GL to 0.70m depth. Dynamic sampling from 0.70m to 4.00m depth. Rotary coring from 4.00m to 8.00m depth.		Exploratory Hole S1-BH107
Project	Global Centre of Rail Excellence	Easting	284280.50	Equipment	Insulated Hand Tools/Berretta T44	Sheet 4 of 4
Client	Walters UK Limited	Northing	210636.35	Method	IP/RC/WLS	
Project No	G22069	Level	229.89 mAOD	Termination Reason	Artesian water encountered	



S1-BH107 7.00 m to 8.00 m

Exploratory Hole Progress by Time				Exploratory Hole	
Date and Time		Depth	Casing Depth	Water Depth	S1-BH107B
30/01/2023 08:08		0.00			
30/01/2023 16:25		7.00	4.00	1.70	
31/01/2023 07:30		7.00	4.00	1.40	
31/01/2023 16:30		18.00	4.00	1.00	
01/02/2023 07:29		18.00	4.00	1.00	
01/02/2023 16:00		18.00	4.00	Dry	
02/02/2023 07:31		18.00	4.50	1.10	
02/02/2023 14:00		18.00	4.50	1.10	
Sheet 1 of 4					
Scale				1:25	
Drilled				KO	
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
1.20	18.00	Air/Mist	Grey black	100%	4.50 18.00	168mm 146mm	4.50	168mm			30/01/2023 13:03 31/01/2023 15:55	4.00 4.00	4.00 15.50		1.70 1.00	20mins 20mins	
Drill Bit Type		PCD			Drill Bit Condition		Good		Core Barrel Type		Conventional Triple Tube		Core Barrel Length			1.50	

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Exploratory Hole Progress by Time				Exploratory Hole	
Date and Time	Depth	Casing Depth	Water Depth	S1-BH107B	
				Sheet 2 of 4	
				Scale	1:25
				Drilled	KO
				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
1.20	18.00	Air/Mist	Grey black	100%	4.50	168mm	4.50	168mm			30/01/2023 13:03	4.00	4.00		1.70	20mins	
					18.00	146mm					31/01/2023 15:55	4.00	15.50		1.00	20mins	
Drill Bit Type		PCD			Drill Bit Condition		Good		Core Barrel Type		Conventional Triple Tube		Core Barrel Length			1.50	

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EXPLORATORY HOLE PHOTOGRAPHS

Remarks

Remarks
Hand excavated inspection pit from GL to 1.20m depth.
Dynamic sampling from 1.20m to 4.00m depth. Rotary coring
from 4.00m to 18.00m depth. Packer installed at 14.50m
depth and borehole grouted above to surface.

Exploratory Hole

S1-BH107B

Project	Global Centre of Rail Excellence	Easting	284294.04	Equipment	Insulated hand tools/Beretta T44
Client	Walters UK Limited	Northing	210641.69	Method	IP/RC/DS
Project No	G22069	Level	229.96 mAOD	Termination Reason	Mine workings encountered.

Sheet 1 of 6

Jackson Geoservices

Unit B3, Fram Enterprise Centre
Parc Busnes Edwards, Llantrisant
Pontyclun, CF72 8QZ

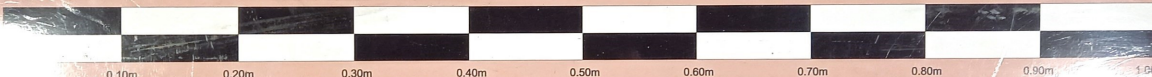
Email: team@jacksongeo.co.uk
Telephone: 02920 099 769

Project Name	9CRE	Project Number	922069
Client	WALTERS UK	Date	1 FEB 2023
Exploratory Hole Number	SI-BH107B	Box / Face Number	
Depth (m) from	2.00 to 3.00	Engineer	A

0.00m 0.10m 0.20m 0.30m 0.40m 0.50m 0.60m 0.70m 0.80m 0.90m

S1-BH107B 2.00 m to 3.00 m

Jackson Geoservices Unit B3, Fram Enterprise Centre Parc Busnes Edwards, Llantrisant Pontyclun, CF72 8QZ		Email: team@jacksonge.co.uk Telephone: 02920 099 769			
Project Name		GCRE		Project Number	
Client		WALTERS UK		Date	
Exploratory Hole Number		SI-BH107B		Box / Face Number	
Depth (m) from		3.00 to 4.00		Engineer	
				AF	



0.10m 0.20m 0.30m 0.40m 0.50m 0.60m 0.70m 0.80m 0.90m 1.00m



2.00m — 3.00m






3.00m — 4.00m

S1-BH107B 3.00 m to 4.00 m

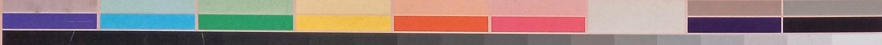
		EXPLORATORY HOLE PHOTOGRAPHS			Remarks Hand excavated inspection pit from GL to 1.20m depth. Dynamic sampling from 1.20m to 4.00m depth. Rotary coring from 4.00m to 18.00m depth. Packer installed at 14.50m depth and borehole grouted above to surface.		Exploratory Hole	
S1-BH107B								
Project	Global Centre of Rail Excellence		Easting	284294.04		Equipment	Insulated hand tools/Beretta T44	Sheet 3 of 6
Client	Walters UK Limited		Northing	210641.69		Method	IP/RC/DS	
Project No	G22069		Level	229.96 mAOD		Termination Reason	Mine workings encountered.	

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Project Name	QCRE	Project Number	G22069
Client	WALTERS UK	Date	1 FEB' 2023
Exploratory Hole Number	SI-BH107B	Box / Face Number	
Depth (m) from	8.00 to 9.00	Engineer	A

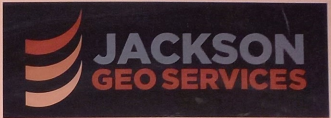




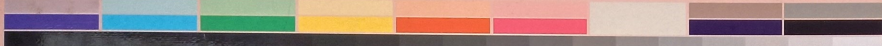
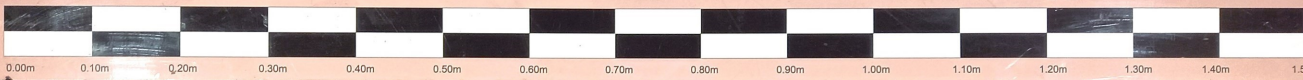

S1-BH107B 8.00 m to 9.00 m

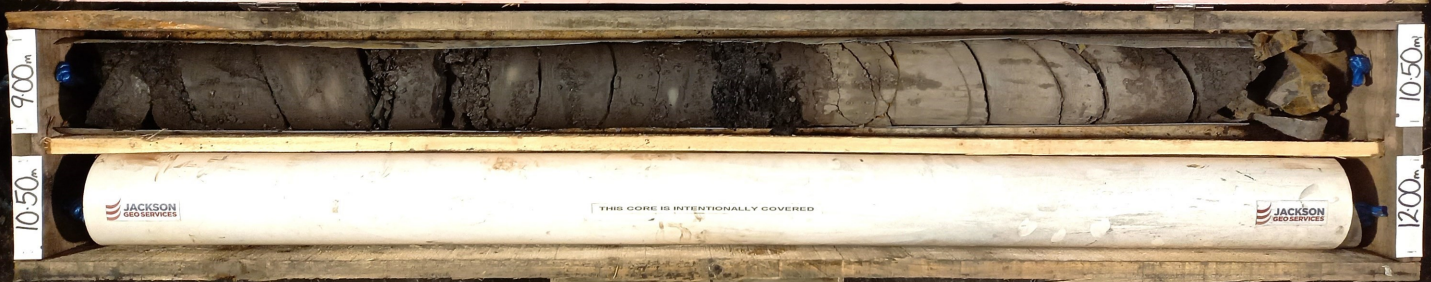
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Project Name	QCRE	Project Number	G22069
Client	WALTERS UK	Date	1 FEB' 2023
Exploratory Hole Number	SI-BH107B	Box / Face Number	
Depth (m) from	9.00 to 10.50	Engineer	A



S1-BH107B 9.00 m to 10.50 m

		EXPLORATORY HOLE PHOTOGRAPHS		Remarks Hand excavated inspection pit from GL to 1.20m depth. Dynamic sampling from 1.20m to 4.00m depth. Rotary coring from 4.00m to 18.00m depth. Packer installed at 14.50m depth and borehole grouted above to surface.		Exploratory Hole S1-BH107B
Project	Global Centre of Rail Excellence	Easting	284294.04	Equipment	Insulated hand tools/Beretta T44	Sheet 4 of 6
Client	Walters UK Limited	Northing	210641.69	Method	IP/RC/DS	
Project No	G22069	Level	229.96 mAOD	Termination Reason	Mine workings encountered.	



S1-BH107B 10.50 m to 12.00 m



S1-BH107B 12.00 m to 13.50 m

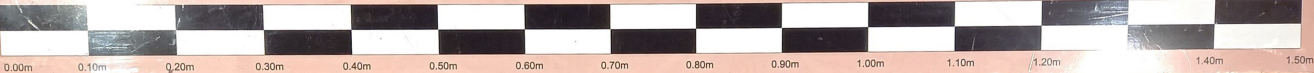
		EXPLORATORY HOLE PHOTOGRAPHS		Remarks Hand excavated inspection pit from GL to 1.20m depth. Dynamic sampling from 1.20m to 4.00m depth. Rotary coring from 4.00m to 18.00m depth. Packer installed at 14.50m depth and borehole grouted above to surface.		Exploratory Hole S1-BH107B
Project	Global Centre of Rail Excellence	Easting	284294.04	Equipment	Insulated hand tools/Beretta T44	Sheet 5 of 6
Client	Walters UK Limited	Northing	210641.69	Method	IP/RC/DS	
Project No	G22069	Level	229.96 mAOD	Termination Reason	Mine workings encountered.	

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Project Name	QCRE	Project Number	922069
Client	WALTERS UK	Date	1 FEB' 2023
Exploratory Hole Number	SI-BH107B	Box / Face Number	
Depth	13.50 to 15.00	Engineer	A





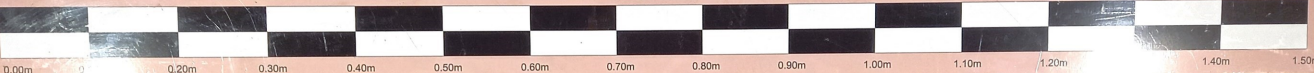
S1-BH107B 13.50 m to 15.00 m

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Project Name	QCRE	Project Number	922069
Client	WALTERS UK	Date	1 FEB' 2023
Exploratory Hole Number	SI-BH107B	Box / Face Number	
Depth (m) from	15.00 to 16.50	Engineer	A





S1-BH107B 15.00 m to 16.50 m

		EXPLORATORY HOLE PHOTOGRAPHS		Remarks Hand excavated inspection pit from GL to 1.20m depth. Dynamic sampling from 1.20m to 4.00m depth. Rotary coring from 4.00m to 18.00m depth. Packer installed at 14.50m depth and borehole grouted above to surface.		Exploratory Hole S1-BH107B
Project	Global Centre of Rail Excellence	Easting	284294.04	Equipment	Insulated hand tools/Beretta T44	
Client	Walters UK Limited	Northing	210641.69	Method	IP/RC/DS	
Project No	G22069	Level	229.96 mAOD	Termination Reason	Mine workings encountered.	

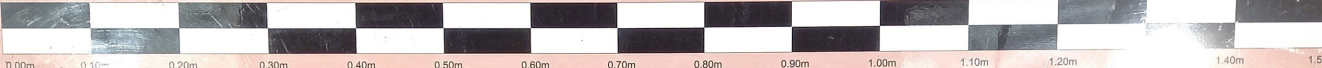
Sheet 6 of 6

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Project Name	GCRE	Project Number	G22069
Client	WALTERS UK	Date	1 FEB' 2023
Exploratory Hole Number	SI-BH107B	Box / Face Number	
Depth (m) from	16.50 to 18.00	Engineer	A





S1-BH107B 16.50 m to 18.00 m

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Exploratory Hole Progress by Time				Exploratory Hole									
Date and Time	Depth	Casing Depth	Water Depth	S1-BH108 Sheet 3 of 6 <table><tr><td>Scale</td><td>1:25</td></tr><tr><td>Drilled</td><td>KO</td></tr><tr><td>Logged</td><td>AF/JJ</td></tr><tr><td>Checked</td><td>AP</td></tr></table>		Scale	1:25	Drilled	KO	Logged	AF/JJ	Checked	AP
Scale	1:25												
Drilled	KO												
Logged	AF/JJ												
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
0.00	30.00	Air/Mist	Black/ Grey	100%	30.00	145mm	3.00	150mm			17/11/2022 14:05		0.40		0.40	20mins	
Drill Bit Type		PCD			Drill Bit Condition		Good		Core Barrel Type		Conventional Triple Tube		Core Barrel Length			1.50	

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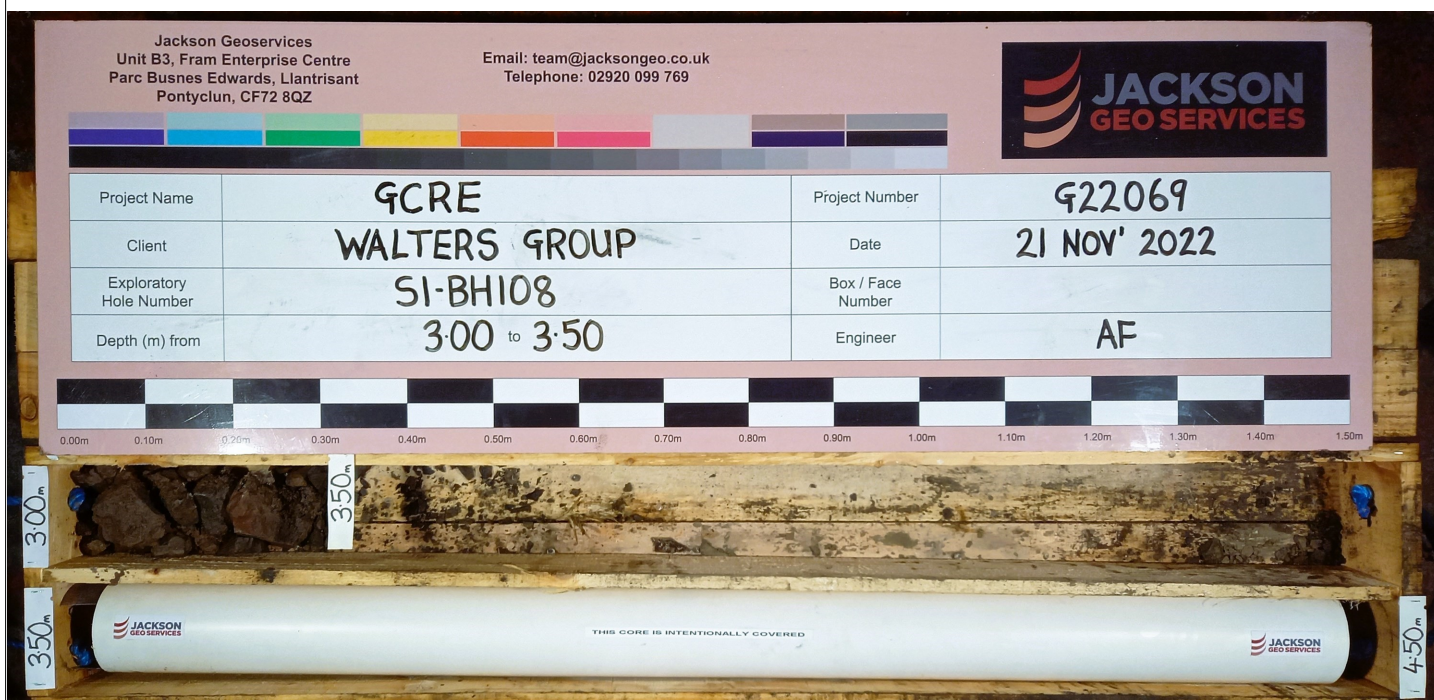
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		EXPLORATORY HOLE PHOTOGRAPHS		Remarks Hand excavated inspection pit from GL to 0.40m. Dynamic sampling from 0.40m to 3.00m. Rotary coring from 3.00m to 30.00m.	Exploratory Hole S1-BH108
Project	Global Centre of Rail Excellence	Easting	284415.11	Equipment	Beretta T44/Insulated Hand Tools
Client	Walters UK Limited	Northing	210631.95	Method	WLS/IP/RC
Project No	G22069	Level	231.95 mAOD	Termination Reason	Scheduled depth

Sheet 1 of 11



S1-BH108 2.00 m to 3.00 m



S1-BH108 3.00 m to 3.50 m

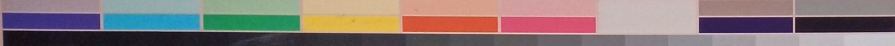
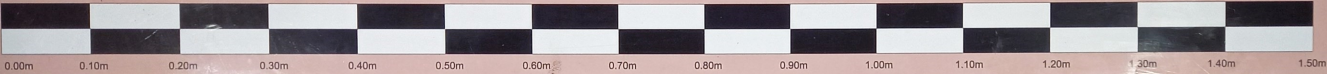
		EXPLORATORY HOLE PHOTOGRAPHS		Remarks Hand excavated inspection pit from GL to 0.40m. Dynamic sampling from 0.40m to 3.00m. Rotary coring from 3.00m to 30.00m.		Exploratory Hole S1-BH108
Project	Global Centre of Rail Excellence	Easting	284415.11	Equipment	Beretta T44/Insulated Hand Tools	Sheet 2 of 11
Client	Walters UK Limited	Northing	210631.95	Method	WLS/IP/RC	
Project No	G22069	Level	231.95 mAOD	Termination Reason	Scheduled depth	

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Project Name	GCRE	Project Number	G22069
Client	WALTERS GROUP	Date	21 NOV' 2022
Exploratory Hole Number	S1-BH108	Box / Face Number	
Depth (m) from	3.50 to 4.50	Engineer	AF



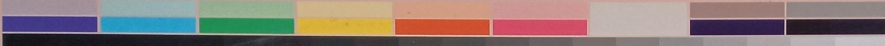
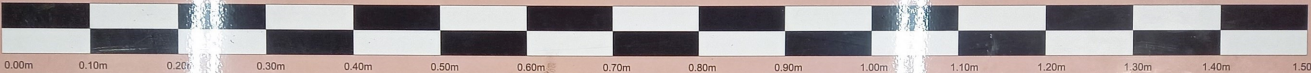
S1-BH108 3.50 m to 4.50 m

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Project Name	GCRE	Project Number	G22069
Client	WALTERS GROUP	Date	21 NOV' 2022
Exploratory Hole Number	S1-BH108	Box / Face Number	
Depth (m) from	4.50 to 5.50	Engineer	AF



S1-BH108 4.50 m to 5.50 m