

		EXPLORATORY HOLE PHOTOGRAPHS		Remarks Hand excavated inspection pit from GL to 1.20m depth. Dynamic sampling from 1.20m to 9.00m depth. Rotary coring from 9.00m to 30.00m depth.		Exploratory Hole S1-BH113
Project	Global Centre of Rail Excellence	Easting	284799.55	Equipment	Commachio 305	Sheet 12 of 12
Client	Walters UK Limited	Northing	210645.61	Method	IP/WLS/RC	
Project No	G22069	Level	236.95 mAOD	Termination Reason	Scheduled depth	



S1-BH113 29.00 m to 30.00 m



Exploratory Hole Progress by Time				Exploratory Hole		
Date and Time		Depth	Casing Depth	Water Depth	S1-BH114	
25/11/2022 08:00		0.00				
25/11/2022 12:19		5.00	5.00	0.70	Sheet 1 of 2	
28/11/2022 08:00		5.00	5.00	0.50		
28/11/2022 17:38		9.00	9.00	-1.50	Scale	1:25
					Drilled	KO
					Logged	AF/JP
					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	9.00	Air/Mist	Grey to Dark Grey	100%	9.00	146mm	5.00	150mm			25/11/2022 12:43	0.00	0.50		0.45	20mins	Artesian
											28/11/2022 12:33	5.00	5.50		1.50	5mins	
											28/11/2022 14:12	9.00	9.00		-1.50	20mins	
Drill Bit Type		PCD			Drill Bit Condition		Good		Core Barrel Type		Conventional Double Tube		Core Barrel Length			1.50	

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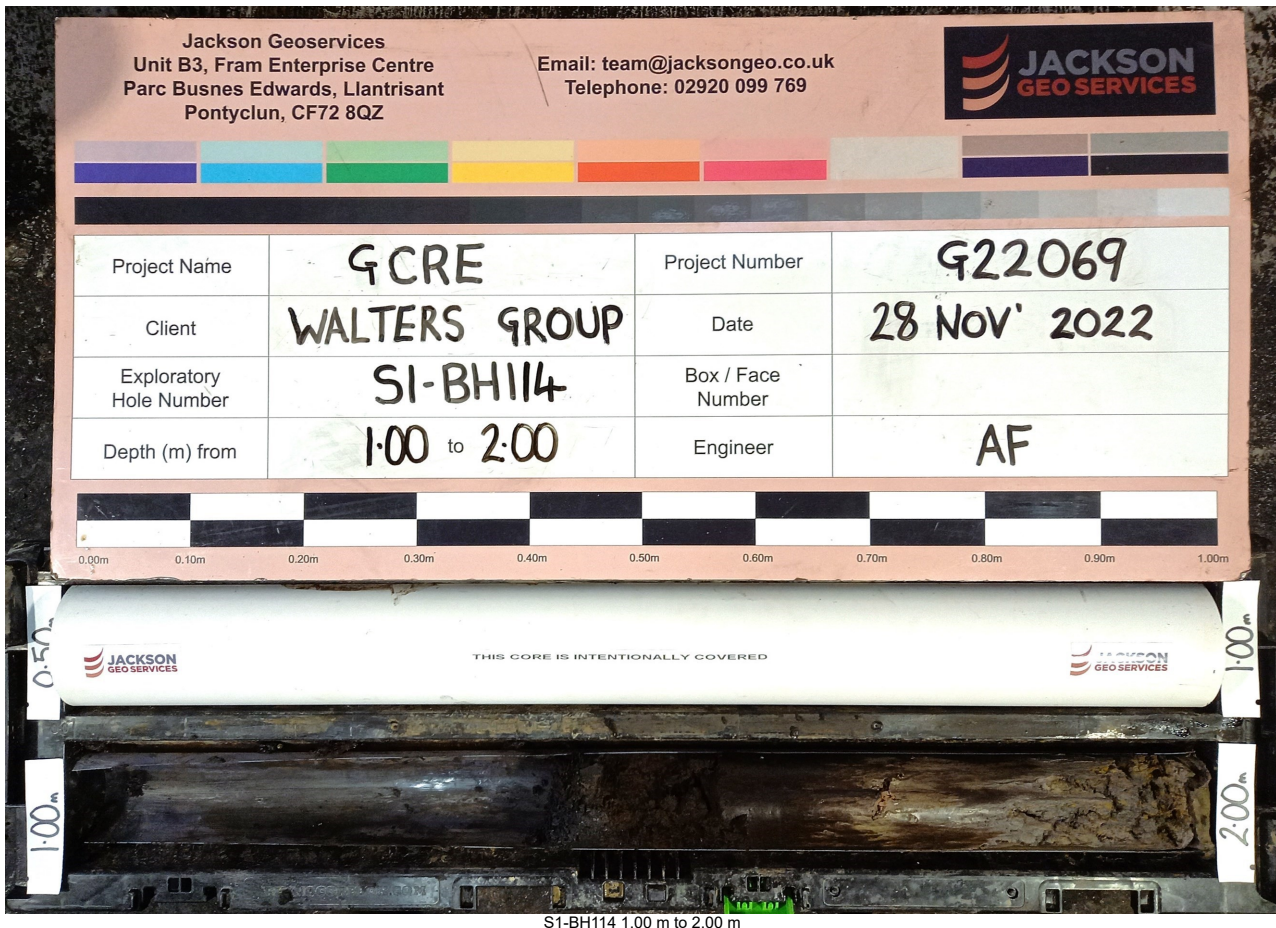
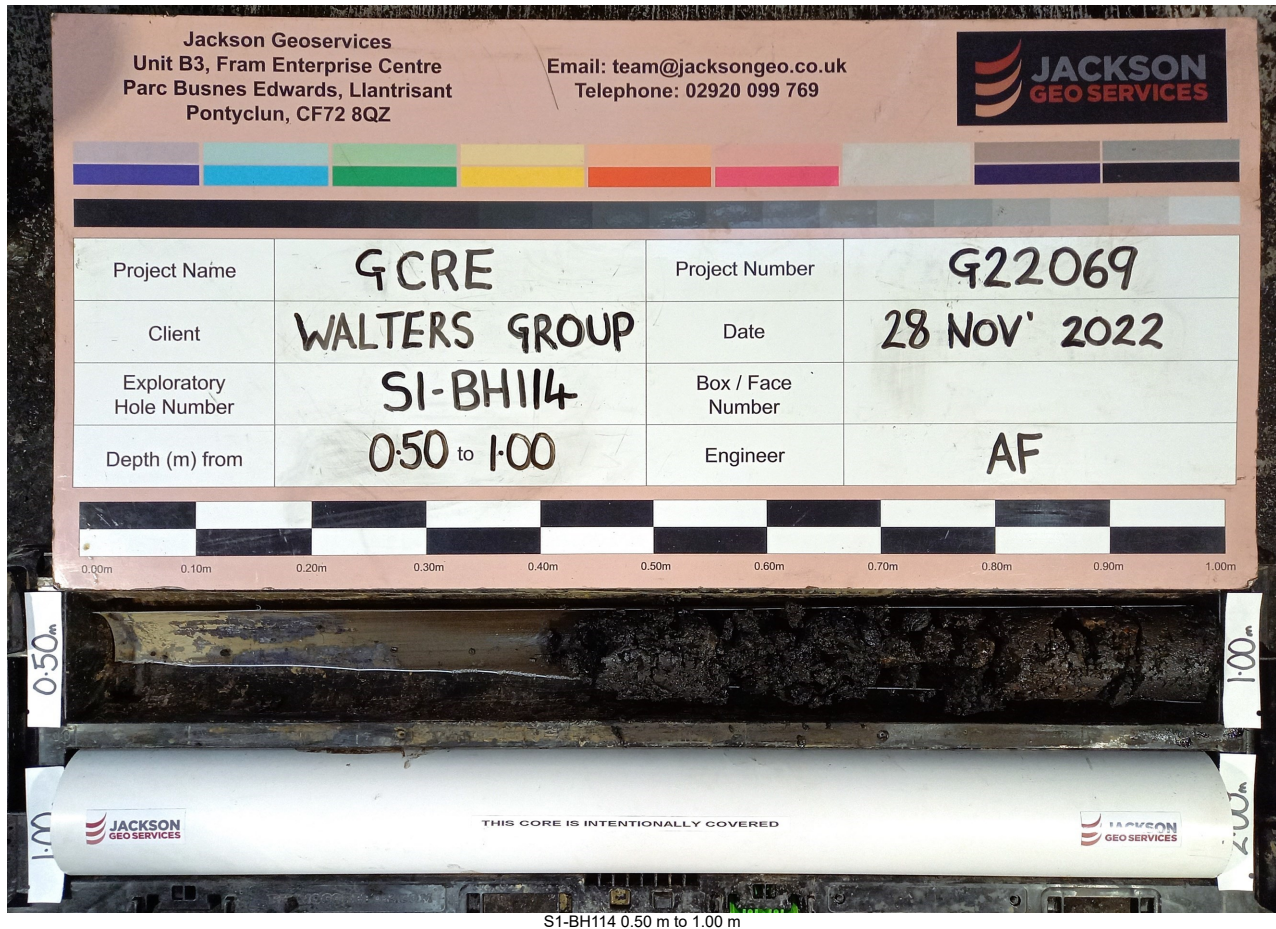
Exploratory Hole Progress by Time				Exploratory Hole	
Date and Time	Depth	Casing Depth	Water Depth	S1-BH114	
				Sheet 2 of 2	
				Scale	1:25
				Drilled	KO
				Logged	AF/JP
				Checked	AP

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	9.00	Air/Mist	Grey to Dark Grey	100%	9.00	146mm	5.00	150mm			25/11/2022 12:43 28/11/2022 12:33 28/11/2022 14:12	0.00 5.00 9.00	0.50 5.50 9.00		0.45 1.50 -1.50	20mins 5mins 20mins	Artesian
Drill Bit Type		PCD			Drill Bit Condition		Good		Core Barrel Type		Conventional Double Tube		Core Barrel Length			1.50	

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		EXPLORATORY HOLE PHOTOGRAPHS		Remarks Hand excavated inspection pit from GL to 0.50m. Dynamic sampling from 0.50m to 2.50m. Rotary coring from 2.50m to 9.00m.	Exploratory Hole S1-BH114
Project	Global Centre of Rail Excellence	Easting	284194.89	Equipment	Berretta T44/Insulated Hand Tools
Client	Walters UK Limited	Northing	210572.28	Method	WLS/IP/RC
Project No	G22069	Level	228.51 mAOD	Termination Reason	Artesian water encountered

Sheet 1 of 4

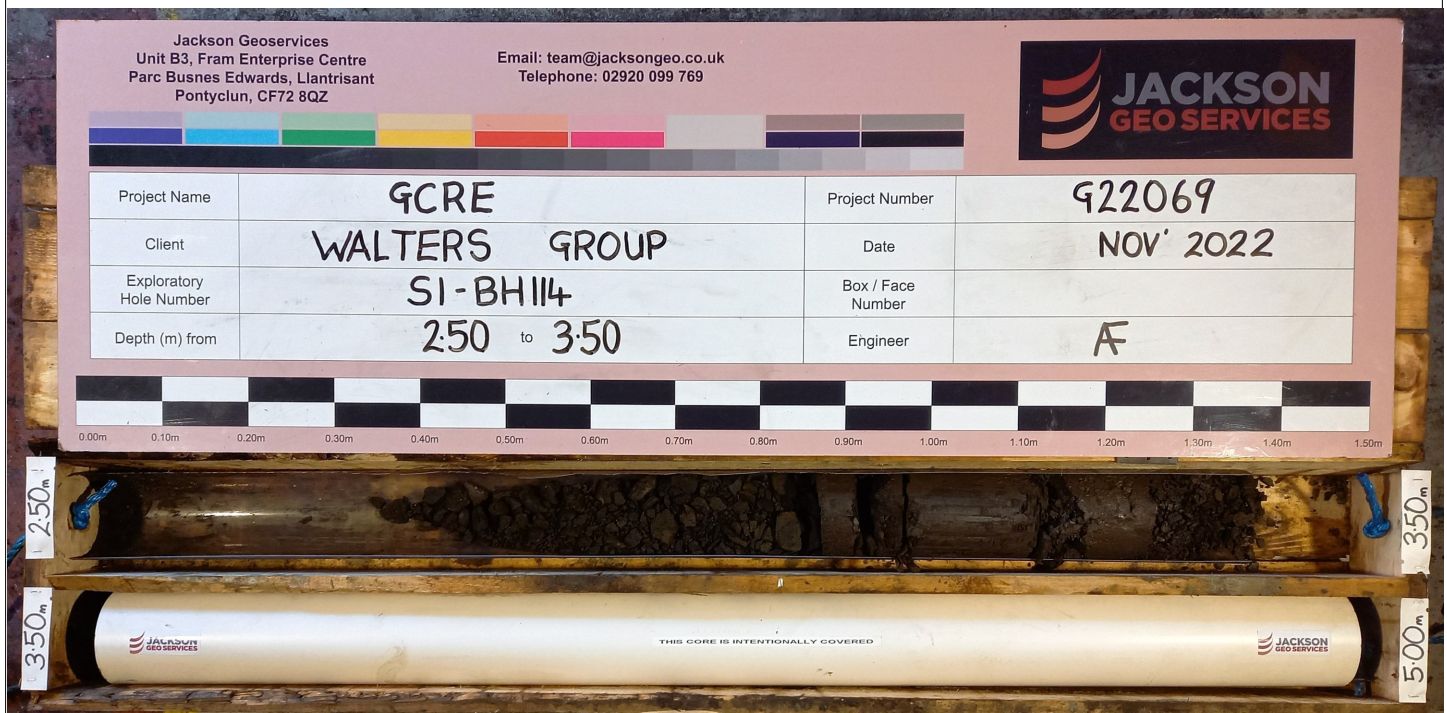


		EXPLORATORY HOLE PHOTOGRAPHS		Remarks Hand excavated inspection pit from GL to 0.50m. Dynamic sampling from 0.50m to 2.50m. Rotary coring from 2.50m to 9.00m.	Exploratory Hole S1-BH114
Project	Global Centre of Rail Excellence	Easting	284194.89	Equipment	Berretta T44/Insulated Hand Tools
Client	Walters UK Limited	Northing	210572.28	Method	WLS/IP/RC
Project No	G22069	Level	228.51 mAOD	Termination Reason	Artesian water encountered

Sheet 2 of 4

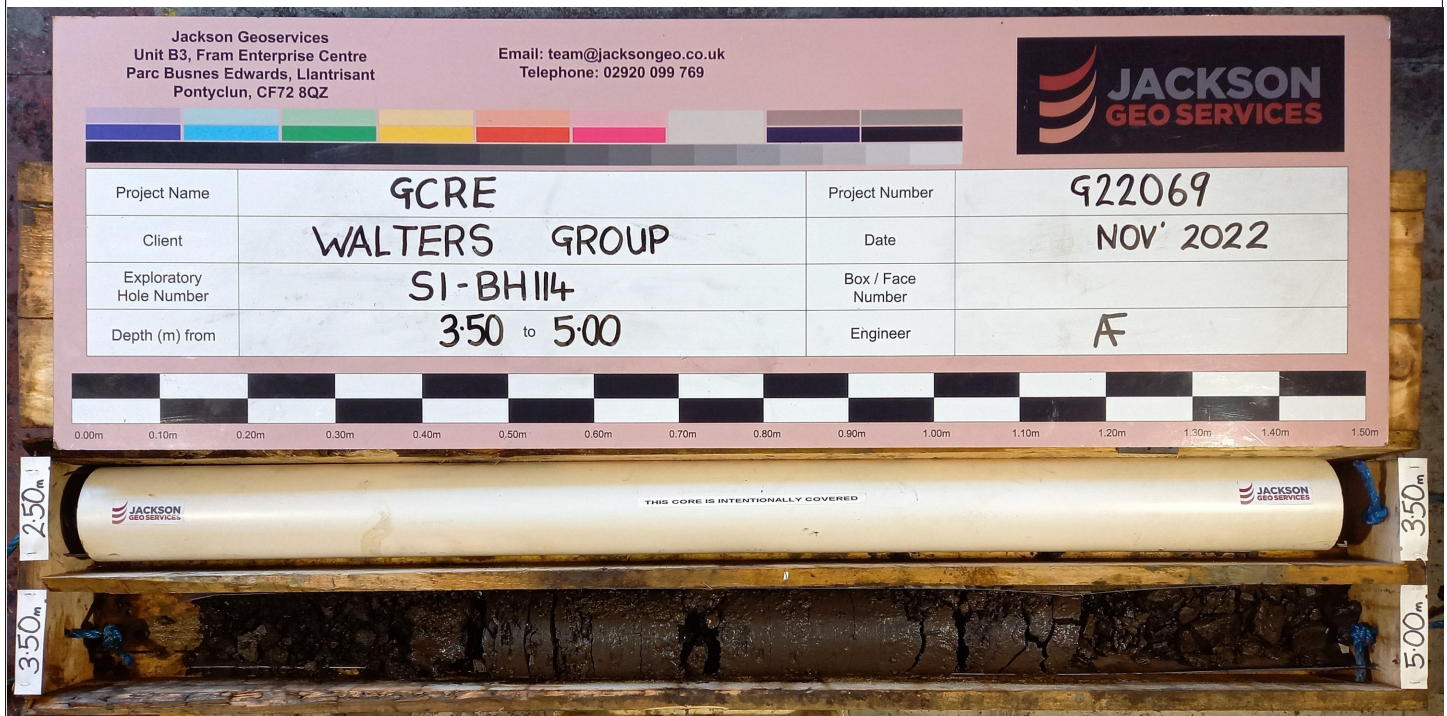


S1-BH114 2.00 m to 2.50 m



S1-BH114 2.50 m to 3.50 m

		EXPLORATORY HOLE PHOTOGRAPHS		Remarks Hand excavated inspection pit from GL to 0.50m. Dynamic sampling from 0.50m to 2.50m. Rotary coring from 2.50m to 9.00m.		Exploratory Hole S1-BH114
Project	Global Centre of Rail Excellence	Easting	284194.89	Equipment	Berretta T44/Insulated Hand Tools	Sheet 3 of 4
Client	Walters UK Limited	Northing	210572.28	Method	WLS/IP/RC	
Project No	G22069	Level	228.51 mAOD	Termination Reason	Artesian water encountered	



S1-BH114 3.50 m to 5.00 m



S1-BH114 5.00 m to 6.50 m

		EXPLORATORY HOLE PHOTOGRAPHS		Remarks Hand excavated inspection pit from GL to 0.50m. Dynamic sampling from 0.50m to 2.50m. Rotary coring from 2.50m to 9.00m.	Exploratory Hole S1-BH114
Project	Global Centre of Rail Excellence	Easting	284194.89	Equipment	Berretta T44/Insulated Hand Tools
Client	Walters UK Limited	Northing	210572.28	Method	WLS/IP/RC
Project No	G22069	Level	228.51 mAOD	Termination Reason	Artesian water encountered

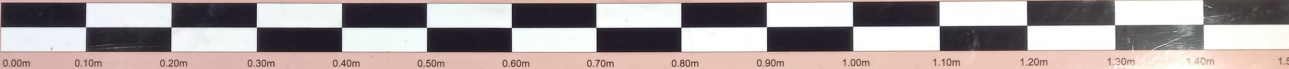
Sheet 4 of 4

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	Project Number	G22069
Client	WALTERS GROUP	Date	NOV' 2022
Exploratory Hole Number	S1-BH114	Box / Face Number	
Depth (m) from	6.50 to 7.00	Engineer	A





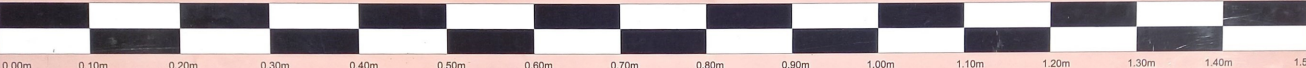
S1-BH114 6.50 m to 7.00 m

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	Project Number	G22069
Client	WALTERS GROUP	Date	NOV' 2022
Exploratory Hole Number	S1-BH114	Box / Face Number	
Depth (m) from	8.00 to 9.00	Engineer	A





S1-BH114 8.00 m to 9.00 m



Exploratory Hole Progress by Time				Exploratory Hole	
Date and Time		Depth	Casing Depth	Water Depth	S1-BH114B
30/11/2022 08:00		0.00			
30/11/2022 16:30		4.00	4.00	-1.00	
Sheet 1 of 1					
					Scale1:25
					DrilledKO
					LoggedJJ
					CheckedAP

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	
					4.00	150mm	4.00	150mm			30/11/2022 16:02 30/11/2022 16:02	0.00 3.00	0.60 4.00	0.00 0.00	0.45 -1.00	20mins 20mins	Artesian	
Drill Bit Type					Drill Bit Condition					Core Barrel Type					Core Barrel Length			

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		EXPLORATORY HOLE PHOTOGRAPHS		Remarks Hand excavated inspection pit from GL to 1.20m depth. Dynamic sampling from 1.20m to 4.00m depth.		Exploratory Hole S1-BH114B
Project	Global Centre of Rail Excellence	Easting	284213.69	Equipment	Insulated Hand Tools/Berretta T44	Sheet 1 of 2
Client	Walters UK Limited	Northing	210588.51	Method	IP/DS	
Project No	G22069	Level	228.72 mAOD	Termination Reason	Artesian water encountered	



S1-BH114B 1.00 m to 2.00 m



S1-BH114B 2.00 m to 3.00 m

		EXPLORATORY HOLE PHOTOGRAPHS		Remarks Hand excavated inspection pit from GL to 1.20m depth. Dynamic sampling from 1.20m to 4.00m depth.		Exploratory Hole S1-BH114B
Project	Global Centre of Rail Excellence	Easting	284213.69	Equipment	Insulated Hand Tools/Berretta T44	Sheet 2 of 2
Client	Walters UK Limited	Northing	210588.51	Method	IP/DS	
Project No	G22069	Level	228.72 mAOD	Termination Reason	Artesian water encountered	



S1-BH114B 3.00 m to 4.00 m

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Exploratory Hole Progress by Time				Exploratory Hole	
Date and Time	Depth	Casing Depth	Water Depth	S1-BH114C	
26/01/2023 07:30 26/01/2023 16:00	21.00 21.00	7.50 7.50	-3.00 Dry		
				Sheet 2 of 5	
				Scale	1:25
				Drilled	KO
				Logged	JP/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
0.00	21.00	Air/Mist	Grey	100%	21.00	104mm	7.50	168mm			19/01/2023 09:16 19/01/2023 14:44 23/01/2023 14:36	6.00 7.50	0.40 6.80 19.80		0.40 -0.50 -3.00	20mins 20mins 20mins	Low flow High flow
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 Hand excavated inspection pit from GL to 1.20m. Dynamic sampling from 1.20m to 3.00m. Rotary coring from 3.00m to 21.00m. Artesian water strikes at 6.80m and 19.80m. Hydraulic head exceeding 3.00m agl. at 19.80m. Suspected borehole is located within workings pillar. Packer installed at 16.00m depth and borehole grouted above used tools.		Exploratory Hole
							S1-BH114C
Project	Global Centre of Rail Excellence	Easting	284195.05	Equipment	DS/RC/IP	Sheet 1 of 6	
Client	Walters UK Limited	Northing	210572.22	Method	DS/RC/IP		
Project No	G22069	Level	228.51 mAOD	Termination Reason	Artesian water encountered		



S1-BH114C 4.00 m to 5.00 m



S1-BH114C 6.00 m to 7.50 m

		EXPLORATORY HOLE PHOTOGRAPHS			Remarks Hand excavated inspection pit from GL to 1.20m. Dynamic sampling from 1.20m to 3.00m. Rotary coring from 3.00m to 21.00m. Artesian water strikes at 6.80m and 19.80m, Hydraulic head exceeding 3.00m agl. at 19.80m. Suspected borehole is located within workings pillar. Packer installed at 16.00m depth and borehole grouted above used tools.		Exploratory Hole
							S1-BH114C
Project	Global Centre of Rail Excellence	Easting	284195.05	Equipment	DS/RC/IP	Sheet 2 of 6	
Client	Walters UK Limited	Northing	210572.22	Method	DS/RC/IP		
Project No	G22069	Level	228.51 mAOD	Termination Reason	Artesian water encountered		



S1-BH114C 7.50 m to 9.00 m



S1-BH114C 9.00 m to 10.50 m

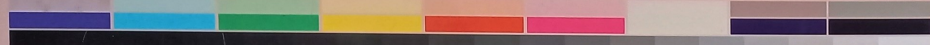
		EXPLORATORY HOLE PHOTOGRAPHS		Remarks Hand excavated inspection pit from GL to 1.20m. Dynamic sampling from 1.20m to 3.00m. Rotary coring from 3.00m to 21.00m. Artesian water strikes at 6.80m and 19.80m. Hydraulic head exceeding 3.00m agl. at 19.80m. Suspected borehole is located within workings pillar. Packer installed at 16.00m. Equipment borehole installed 40m below surface.	Exploratory Hole S1-BH114C
Project	Global Centre of Rail Excellence	Easting	284195.05	Method DS/RC/IP Termination Reason Artesian water encountered	Sheet 3 of 6
Client	Walters UK Limited	Northing	210572.22		
Project No	G22069	Level	228.51 mAOD		

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	QCRE	Project Number	G22069
Client	WALTERS UK	Date	24 JAN' 2023
Exploratory Hole Number	SI-BH114C	Box / Face Number	
Depth (m) from	10.50 to 12.00	Engineer	A





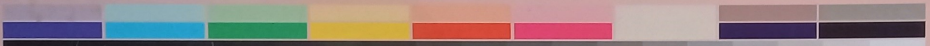
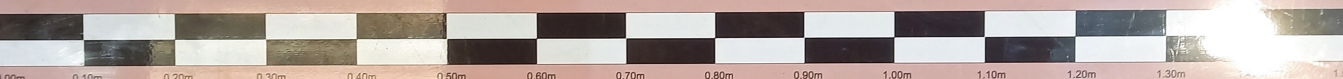
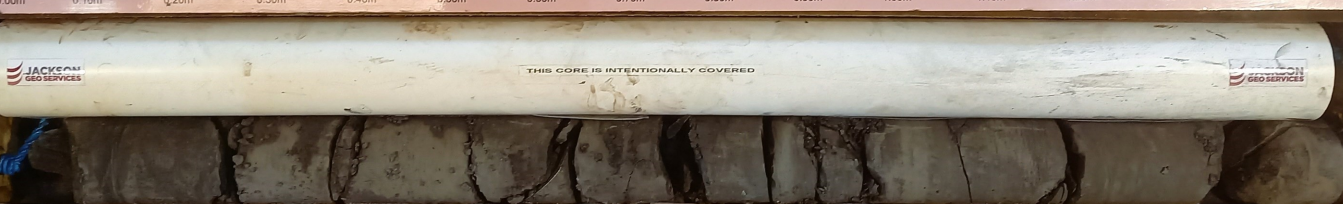
S1-BH114C 10.50 m to 12.00 m

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	QCRE	Project Number	G22069
Client	WALTERS UK	Date	24 JAN' 2023
Exploratory Hole Number	SI-BH114C	Box / Face Number	
Depth (m) from	12.00 to 13.50	Engineer	A

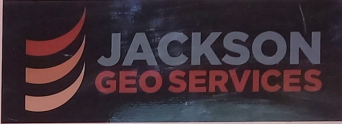




S1-BH114C 12.00 m to 13.50 m

		EXPLORATORY HOLE PHOTOGRAPHS		Remarks Hand excavated inspection pit from GL to 1.20m. Dynamic sampling from 1.20m to 3.00m. Rotary coring from 3.00m to 21.00m. Artesian water strikes at 6.80m and 19.80m. Hydraulic head exceeding 3.00m agl. at 19.80m. Suspected borehole is located within workings pillar. Packer installed at 16.00m. Equipment borehole related to level test, hand tools	Exploratory Hole S1-BH114C
Project	Global Centre of Rail Excellence	Easting	284195.05	Method DS/RC/IP Termination Reason Artesian water encountered	Sheet 4 of 6
Client	Walters UK Limited	Northing	210572.22		
Project No	G22069	Level	228.51 mAOD		

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

QCRE

Project Number

G22069

Client

WALTERS UK

Date

24 JAN' 2023

Exploratory Hole Number

SI-BH114C

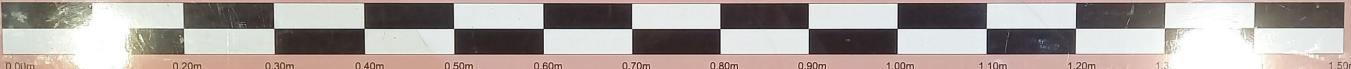
Box / Face Number

Depth (m) from

13.50 to 15.00

Engineer

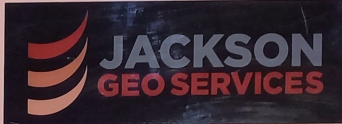
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S1-BH114C 13.50 m to 15.00 m

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

QCRE

Project Number

G22069

Client

WALTERS UK

Date

24 JAN' 2023

Exploratory Hole Number

SI-BH114C

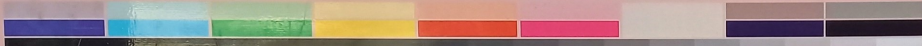
Box / Face Number

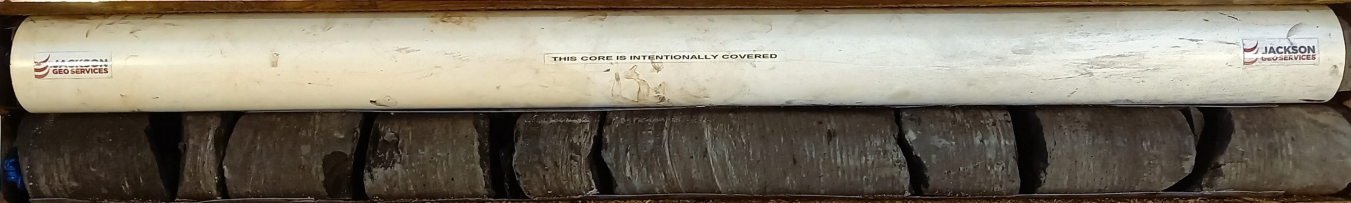
Depth (m) from

15.00 to 16.50

Engineer

A





S1-BH114C 15.00 m to 16.50 m