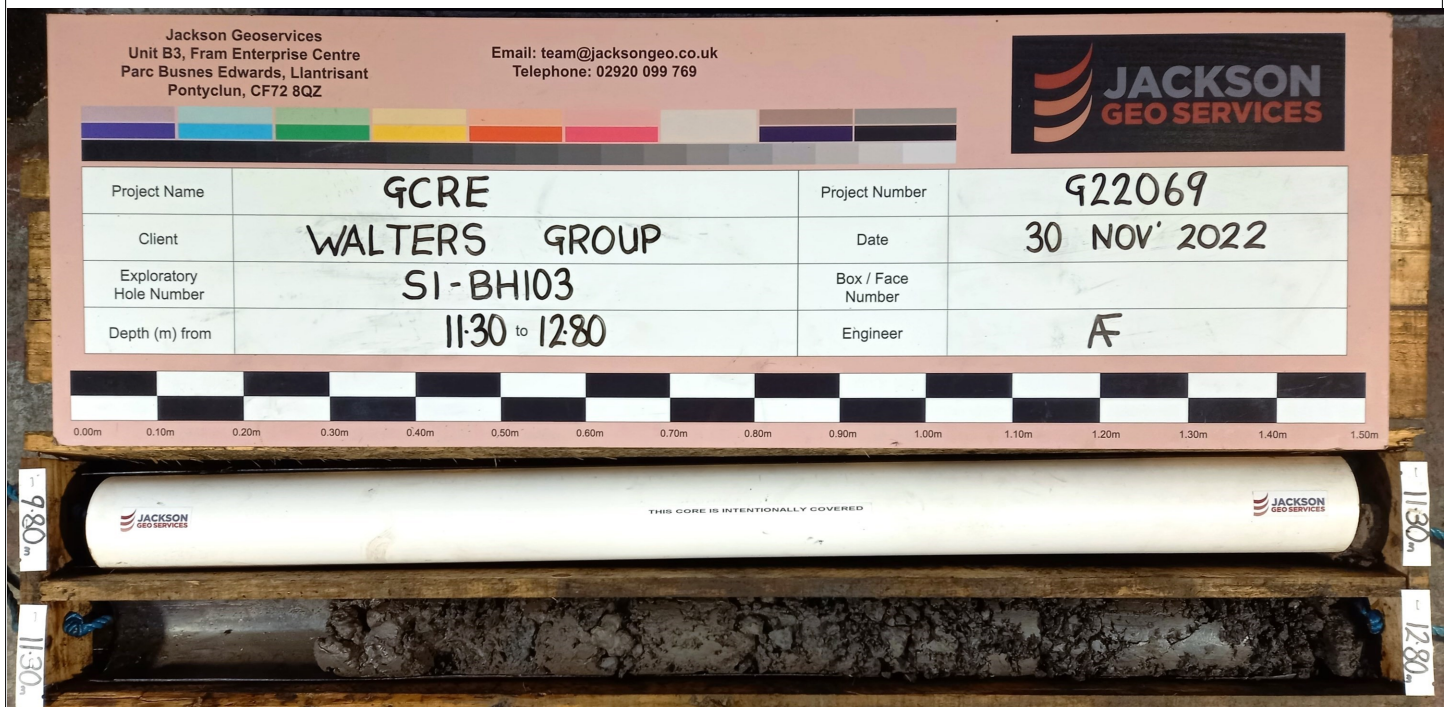


		EXPLORATORY HOLE PHOTOGRAPHS		Remarks Hand excavated inspection pit from GL to 1.20m. Dynamic sampling from 1.20m to 11.30m. Rotary coring from 11.30m to 30.80m.	Exploratory Hole S1-BH103
Project	Global Centre of Rail Excellence	Easting	284603.15	Equipment	Insulated Digging Tools/Comacchio 305
Client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

Sheet 5 of 11



S1-BH103 9.80 m to 11.30 m



S1-BH103 11.30 m to 12.80 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

Sheet 6 of 11



S1-BH103 12.80 m to 14.30 m



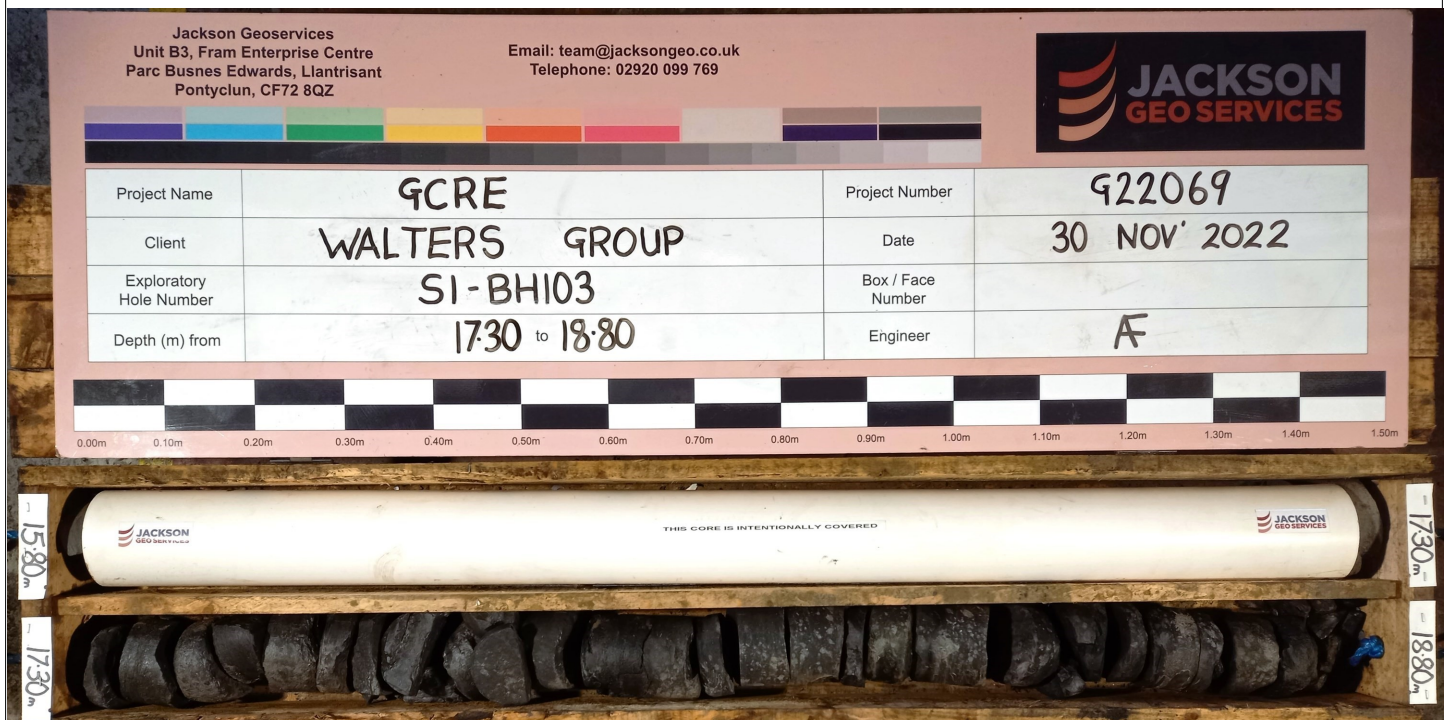
S1-BH103 14.30 m to 15.80 m

		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

Sheet 7 of 11



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

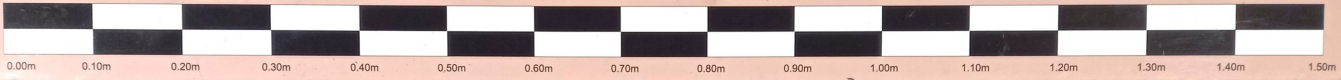
Sheet 8 of 11

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	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

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	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

Sheet 9 of 11

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	30 NOV' 2022
Exploratory Hole Number	S1-BH103	Box / Face Number	
Depth (m) from	21.80 to 23.30	Engineer	A

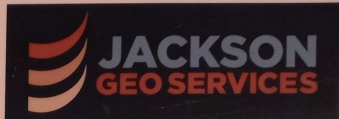




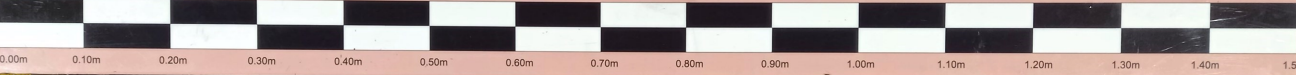
S1-BH103 21.80 m to 23.30 m

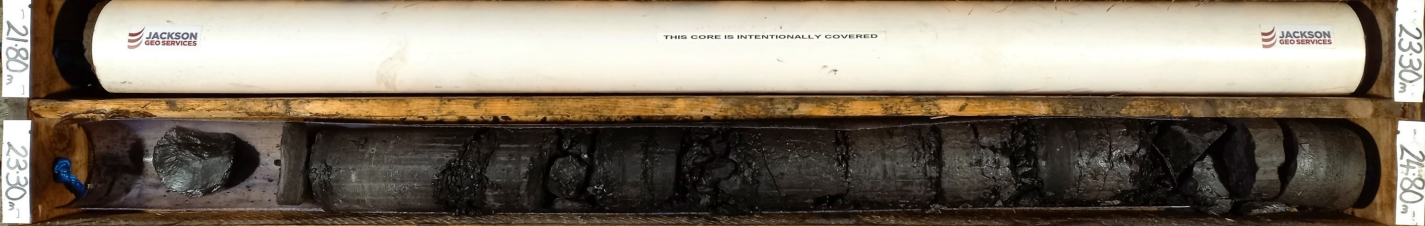
Jackson Geoservices
Unit B3, Fram Enterprise Centre
Parc Busnes Edwards, Llantrisant
Pontyclun, CF72 8QZ

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



Project Name	GCRE	Project Number	G22069
Client	WALTERS GROUP	Date	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

Sheet 10 of 11



S1-BH103 24.80 m to 26.30 m



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

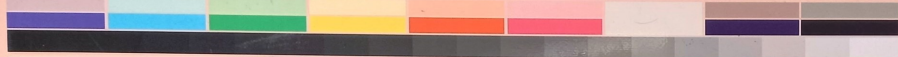
Sheet 11 of 11

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	30 NOV' 2022
Exploratory Hole Number	S1-BH103	Box / Face Number	
Depth (m) from	27.80 to 29.30	Engineer	A





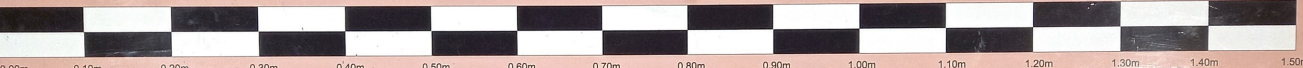
S1-BH103 27.80 m to 29.30 m

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	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 Dry Wet 7.14 15.27 6.56 Wet	Sheet 1 of 7	
30/11/2022 16:30	5.20	4.20		Scale	1:25
01/12/2022 08:30	5.20	4.20		Drilled	TP
01/12/2022 15:15	9.80	9.00		Logged	AF/SC/JJ
02/12/2022 09:15	9.80	9.00		Checked	AP
02/12/2022 15:00	15.80	9.00			
05/12/2022 08:30	15.80	9.00			
05/12/2022 15:15	30.80	9.00			

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	

Printed 16/03/2023 13:01

Printed 16/03/2023 13:01



Exploratory Hole Progress by Time				Exploratory Hole	
Date and Time	Depth	Casing Depth	Water Depth	S1-BH105	
				Sheet 4 of 7	
				Scale	1:25
				Drilled	TP
				Logged	AF/SC/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		
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		

Printed 16/03/2023 13:01

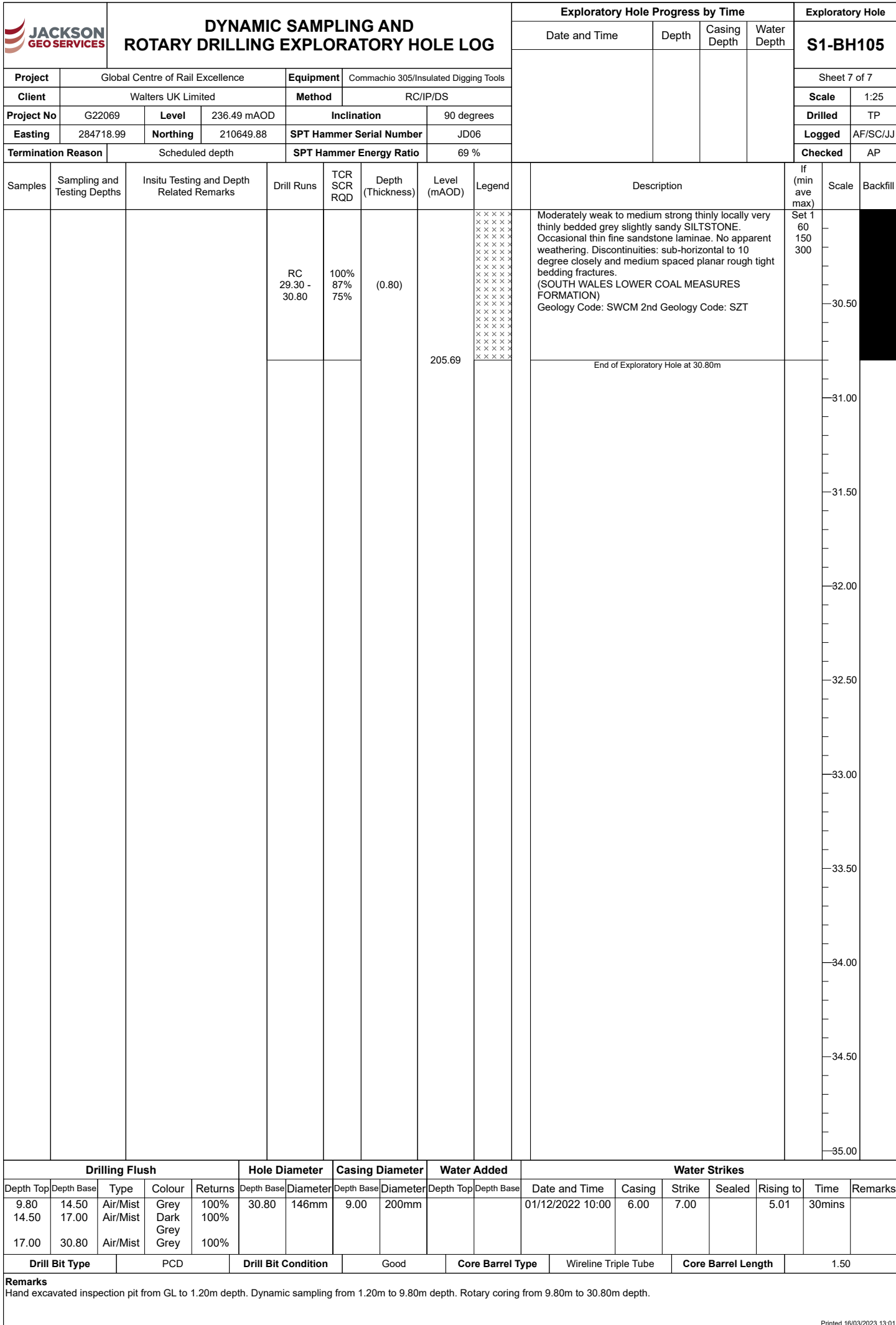
Printed 16/03/2023 13:01



Exploratory Hole Progress by Time				Exploratory Hole	
Date and Time	Depth	Casing Depth	Water Depth	S1-BH105	
				Sheet 6 of 7	
				Scale	1:25
				Drilled	TP
				Logged	AF/SC/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		
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		

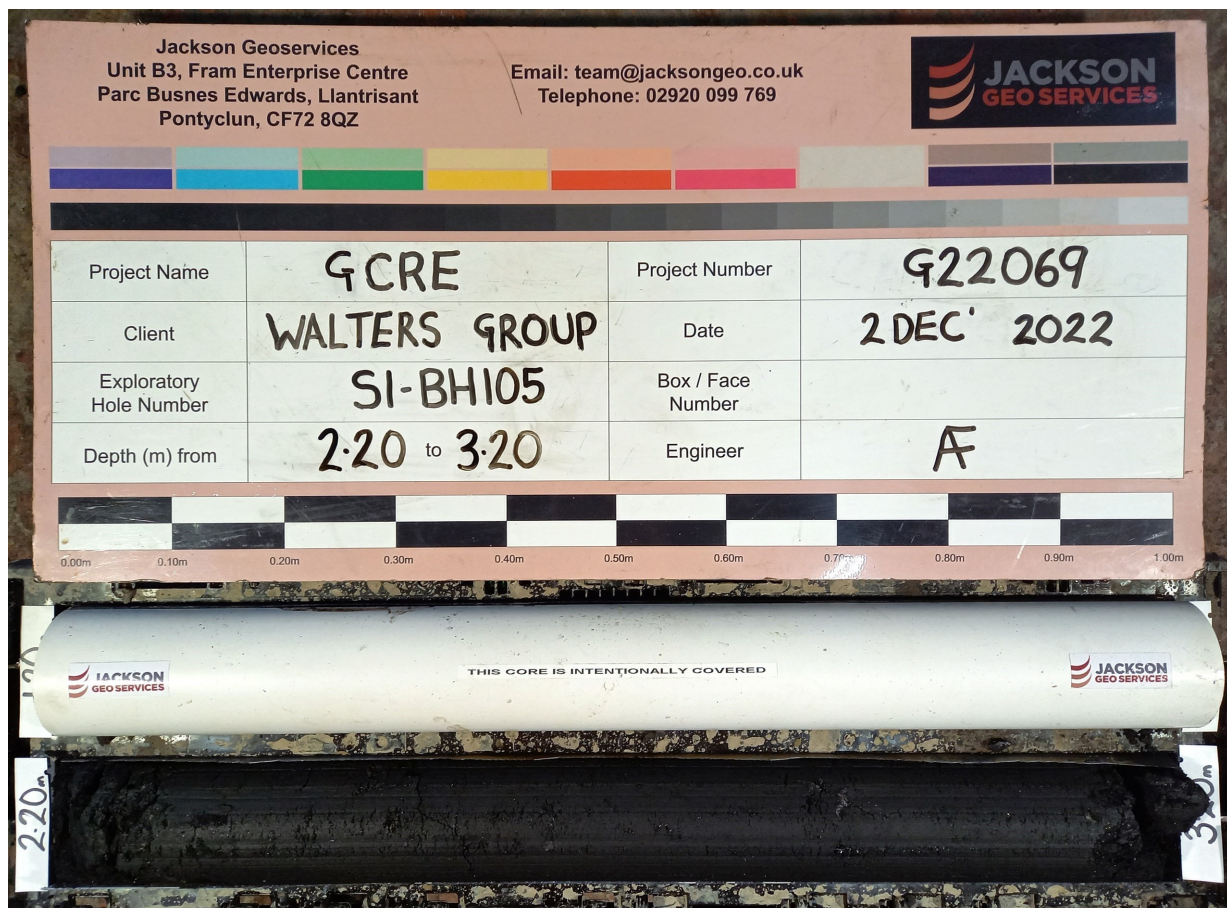
Printed 16/03/2023 13:01



		EXPLORATORY HOLE PHOTOGRAPHS		Remarks Hand excavated inspection pit from GL to 1.20m depth. Dynamic sampling from 1.20m to 9.80m depth. Rotary coring from 9.80m to 30.80m depth.		Exploratory Hole S1-BH105
Project	Global Centre of Rail Excellence	Easting	284718.99	Equipment	Commachio 305/Insulated Digging Tools	Sheet 1 of 11
Client	Walters UK Limited	Northing	210649.88	Method	RC/IP/DS	
Project No	G22069	Level	236.49 mAOD	Termination Reason	Scheduled depth	



S1-BH105 1.20 m to 2.20 m



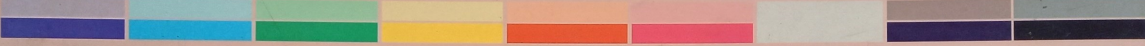
S1-BH105 2.20 m to 3.20 m

		EXPLORATORY HOLE PHOTOGRAPHS		Remarks Hand excavated inspection pit from GL to 1.20m depth. Dynamic sampling from 1.20m to 9.80m depth. Rotary coring from 9.80m to 30.80m depth.		Exploratory Hole S1-BH105
Project	Global Centre of Rail Excellence	Easting	284718.99	Equipment	Commachio 305/Insulated Digging Tools	Sheet 2 of 11
Client	Walters UK Limited	Northing	210649.88	Method	RC/IP/DS	
Project No	G22069	Level	236.49 mAOD	Termination Reason	Scheduled depth	

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	G CRE	Project Number	G22069
Client	WALTERS GROUP	Date	2 DEC' 2022
Exploratory Hole Number	SI-BH105	Box / Face Number	
Depth (m) from	3.20 to 4.20	Engineer	A





S1-BH105 3.20 m to 4.20 m

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

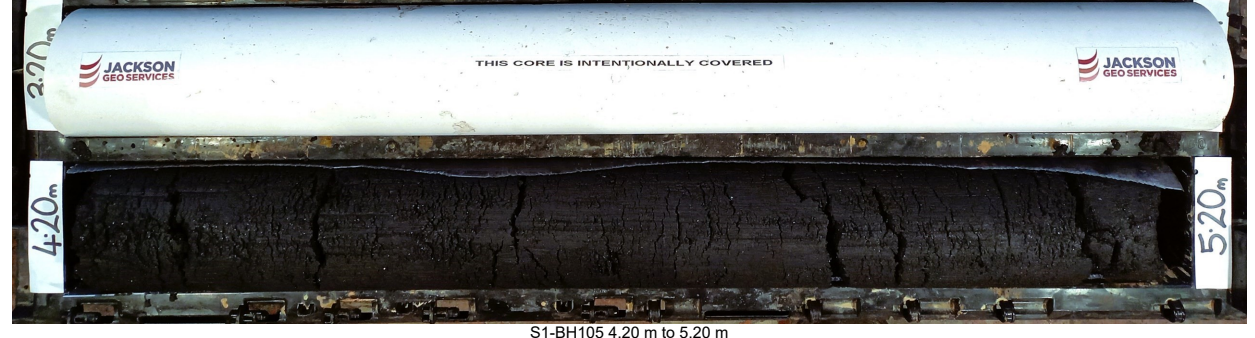
Email: team@jacksonge.co.uk
Telephone: 02920 099 769





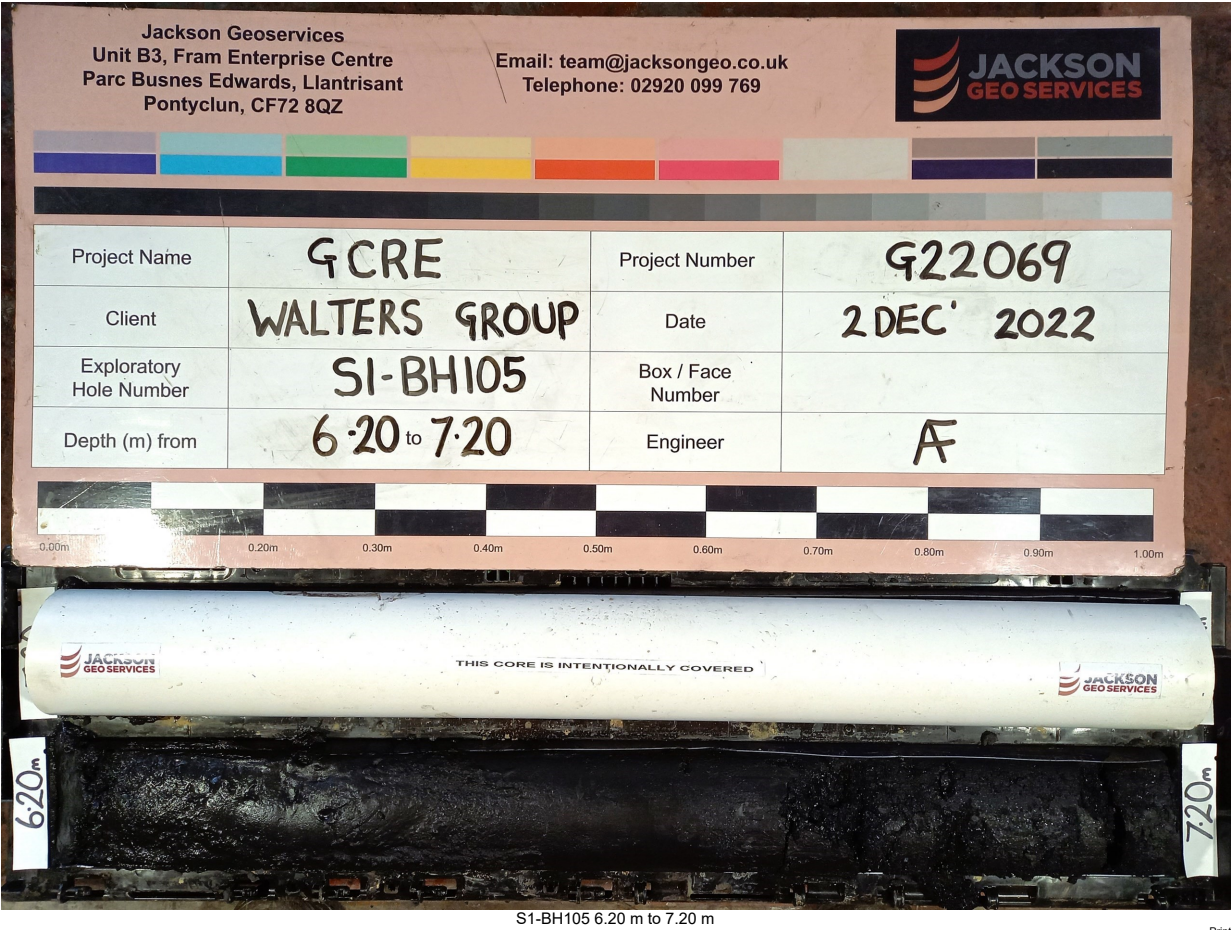
Project Name	G CRE	Project Number	G22069
Client	WALTERS GROUP	Date	2 DEC' 2022
Exploratory Hole Number	SI-BH105	Box / Face Number	
Depth (m) from	4.20 to 5.20	Engineer	A





S1-BH105 4.20 m to 5.20 m

		EXPLORATORY HOLE PHOTOGRAPHS		Remarks Hand excavated inspection pit from GL to 1.20m depth. Dynamic sampling from 1.20m to 9.80m depth. Rotary coring from 9.80m to 30.80m depth.		Exploratory Hole S1-BH105
Project	Global Centre of Rail Excellence	Easting	284718.99	Equipment	Commachio 305/Insulated Digging Tools	Sheet 3 of 11
Client	Walters UK Limited	Northing	210649.88	Method	RC/IP/DS	
Project No	G22069	Level	236.49 mAOD	Termination Reason	Scheduled depth	



		EXPLORATORY HOLE PHOTOGRAPHS		Remarks Hand excavated inspection pit from GL to 1.20m depth. Dynamic sampling from 1.20m to 9.80m depth. Rotary coring from 9.80m to 30.80m depth.		Exploratory Hole S1-BH105
Project	Global Centre of Rail Excellence	Easting	284718.99	Equipment	Commachio 305/Insulated Digging Tools	Sheet 4 of 11
Client	Walters UK Limited	Northing	210649.88	Method	RC/IP/DS	
Project No	G22069	Level	236.49 mAOD	Termination Reason	Scheduled depth	

