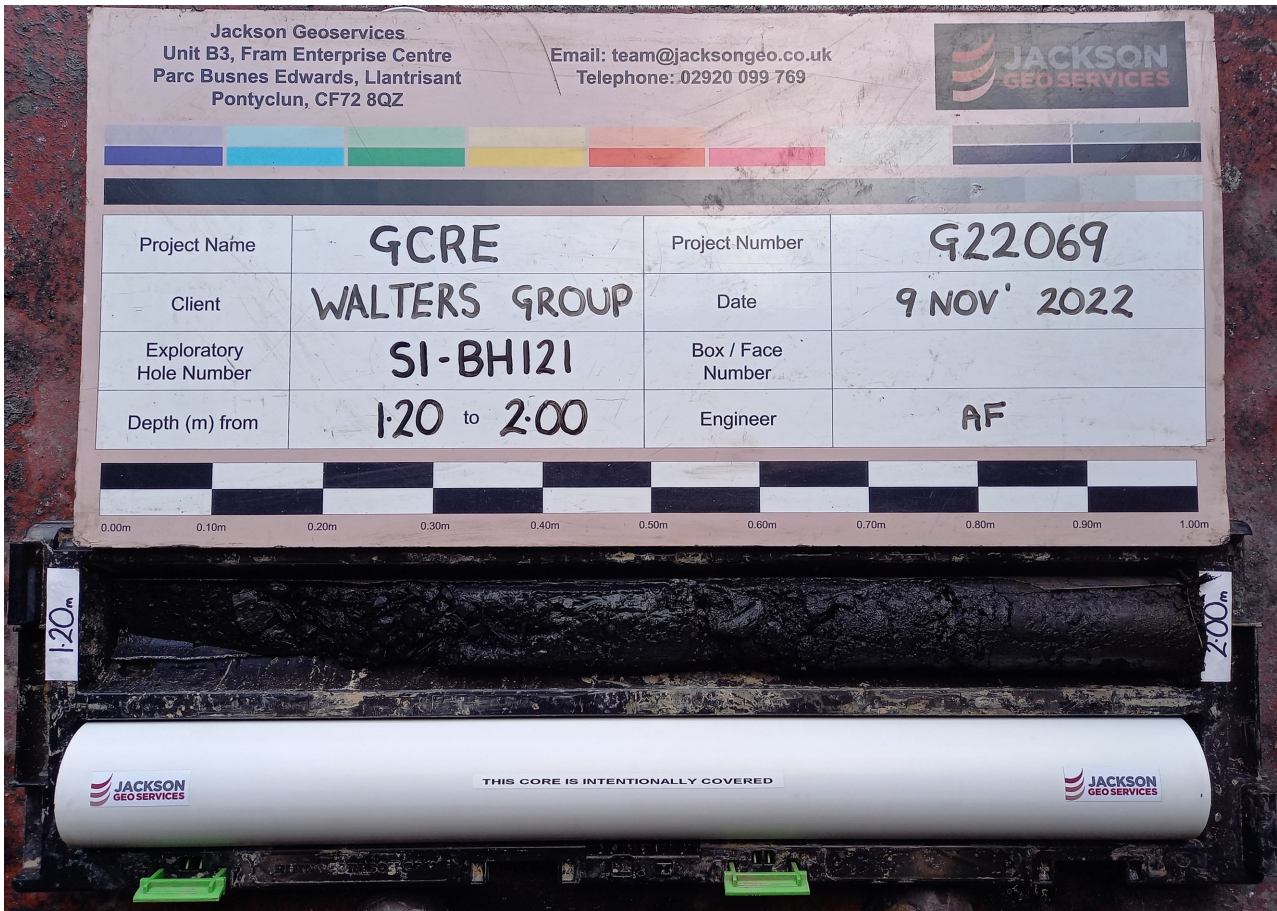


		EXPLORATORY HOLE PHOTOGRAPHS		Remarks Hand excavated inspection pit from GL to 0.70m depth. Dynamic sampling from 0.70m to 6.50m depth. Rotary coring from 6.50m to 10.50m depth.		Exploratory Hole S1-BH121
Project	Global Centre of Rail Excellence	Easting	284475.72	Equipment	Beretta T44/Insulated Hand Tools	Sheet 1 of 3
Client	Walters UK Limited	Northing	210703.00	Method	RC/DS/IP	
Project No	G22069	Level	230.88 mAOD	Termination Reason	Scheduled depth	



S1-BH121 1.20 m to 2.00 m

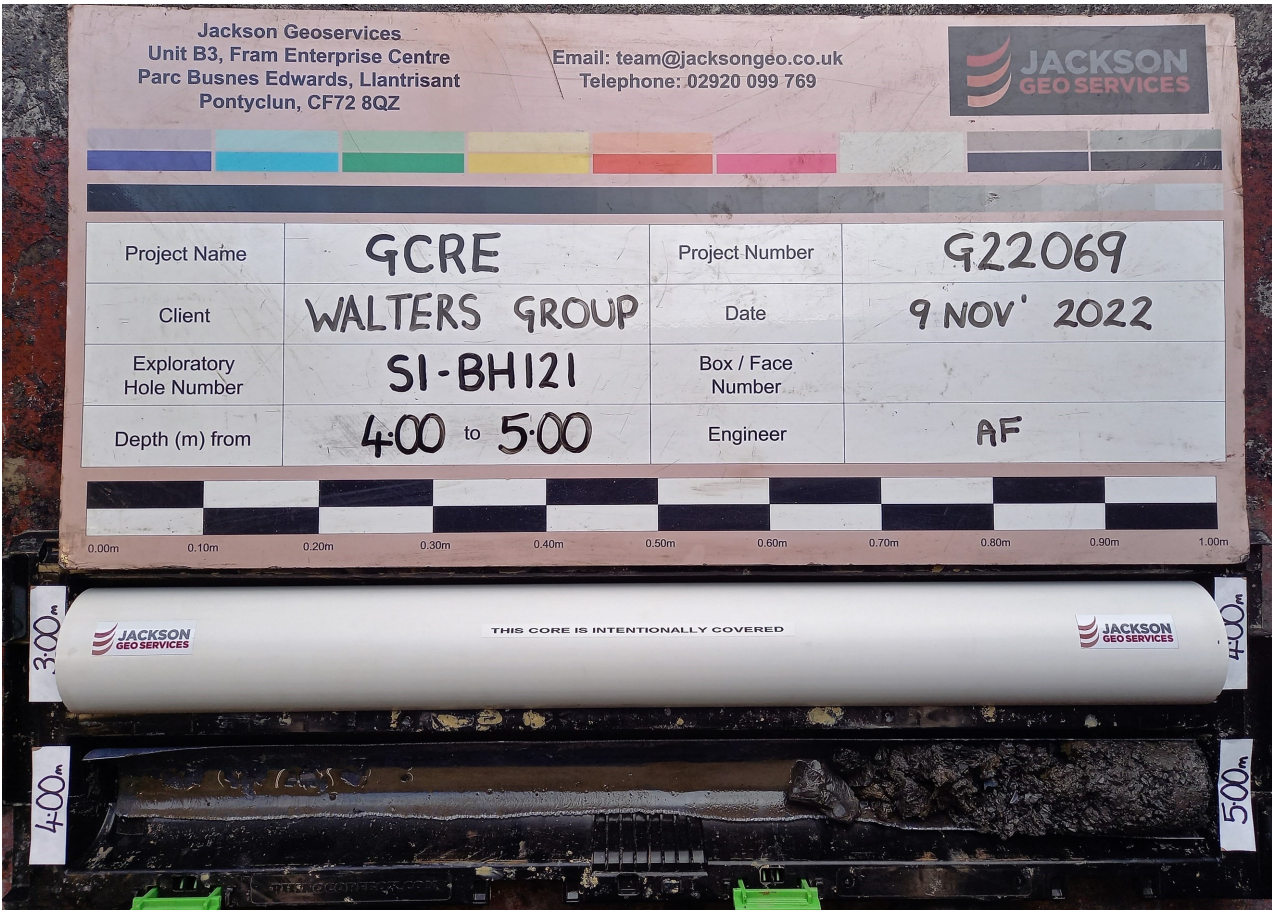


S1-BH121 2.00 m to 3.00 m

		EXPLORATORY HOLE PHOTOGRAPHS		Remarks Hand excavated inspection pit from GL to 0.70m depth. Dynamic sampling from 0.70m to 6.50m depth. Rotary coring from 6.50m to 10.50m depth.		Exploratory Hole S1-BH121
Project	Global Centre of Rail Excellence	Easting	284475.72	Equipment	Beretta T44/Insulated Hand Tools	Sheet 2 of 3
Client	Walters UK Limited	Northing	210703.00	Method	RC/DS/IP	
Project No	G22069	Level	230.88 mAOD	Termination Reason	Scheduled depth	



S1-BH121 3.00 m to 4.00 m

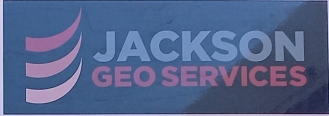


S1-BH121 4.00 m to 5.00 m

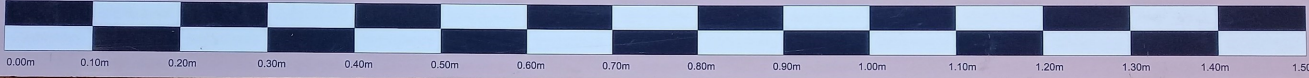
		EXPLORATORY HOLE PHOTOGRAPHS		Remarks Hand excavated inspection pit from GL to 0.70m depth. Dynamic sampling from 0.70m to 6.50m depth. Rotary coring from 6.50m to 10.50m depth.		Exploratory Hole S1-BH121
Project	Global Centre of Rail Excellence	Easting	284475.72	Equipment	Beretta T44/Insulated Hand Tools	Sheet 3 of 3
Client	Walters UK Limited	Northing	210703.00	Method	RC/DS/IP	
Project No	G22069	Level	230.88 mAOD	Termination Reason	Scheduled depth	

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Project Name	GCRE	Project Number	G22069
Client	WALTERS GROUP	Date	9 NOV' 2022
Exploratory Hole Number	S1-BH121	Box / Face Number	
Depth (m) from	9.00 to 10.50	Engineer	AF





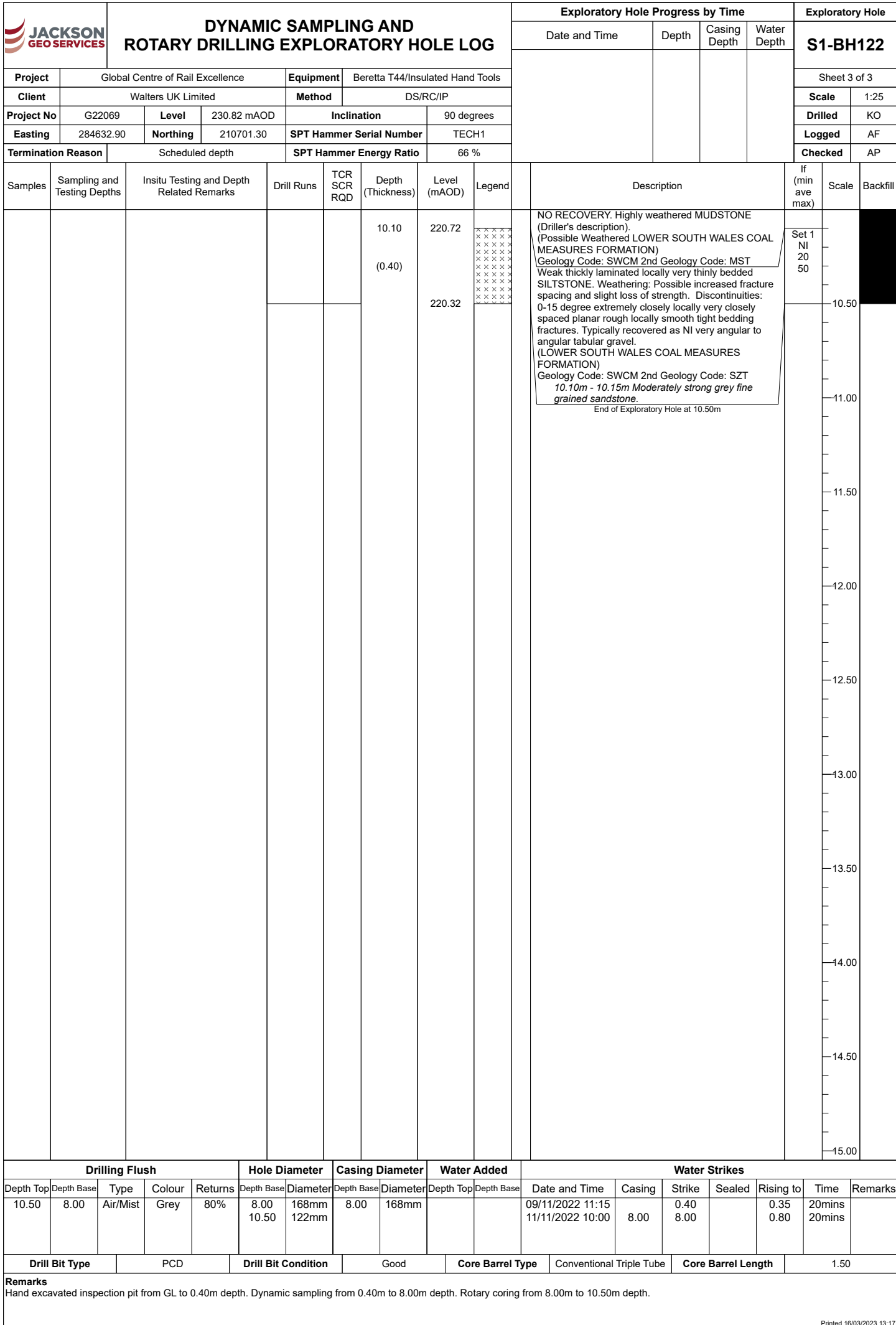
S1-BH121 9.00 m to 10.50 m



Exploratory Hole Progress by Time				Exploratory Hole	
Date and Time	Depth	Casing Depth	Water Depth	S1-BH122	
09/11/2022 11:10	0.00				
09/11/2022 16:00	5.00	4.00	2.10	Sheet 1 of 3	
11/11/2022 08:30	5.00	4.00	0.80	Scale	1:25
11/11/2022 16:26	10.50	8.00	0.80	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
10.50	8.00	Air/Mist	Grey	80%	8.00	168mm	8.00	168mm			09/11/2022 11:15 11/11/2022 10:00	8.00	0.40 8.00		0.35 0.80	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 PHOTOGRAPHS		Remarks Hand excavated inspection pit from GL to 0.40m depth. Dynamic sampling from 0.40m to 8.00m depth. Rotary coring from 8.00m to 10.50m depth.		Exploratory Hole S1-BH122
Project	Global Centre of Rail Excellence	Easting	284632.90	Equipment	Beretta T44/Insulated Hand Tools	Sheet 1 of 2
Client	Walters UK Limited	Northing	210701.30	Method	DS/RC/IP	
Project No	G22069	Level	230.82 mAOD	Termination Reason	Scheduled depth	



S1-BH122 2.00 m to 3.00 m



S1-BH122 4.00 m to 5.00 m

		EXPLORATORY HOLE PHOTOGRAPHS		Remarks Hand excavated inspection pit from GL to 0.40m depth. Dynamic sampling from 0.40m to 8.00m depth. Rotary coring from 8.00m to 10.50m depth.		Exploratory Hole S1-BH122
Project	Global Centre of Rail Excellence	Easting	284632.90	Equipment	Beretta T44/Insulated Hand Tools	Sheet 2 of 2
Client	Walters UK Limited	Northing	210701.30	Method	DS/RC/IP	
Project No	G22069	Level	230.82 mAOD	Termination Reason	Scheduled depth	

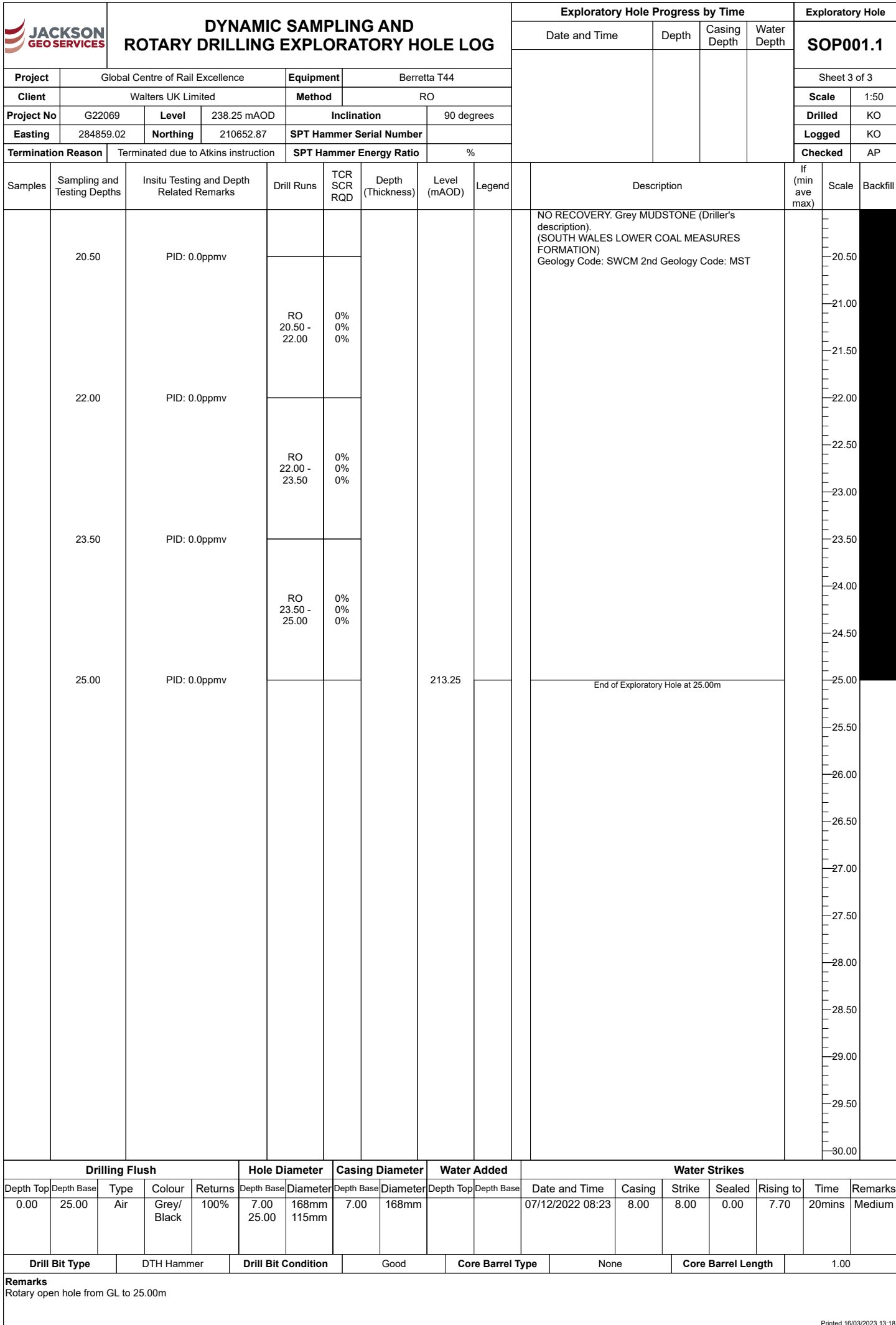


S1-BH122 5.00 m to 6.00 m



S1-BH122 9.00 m to 10.50 m

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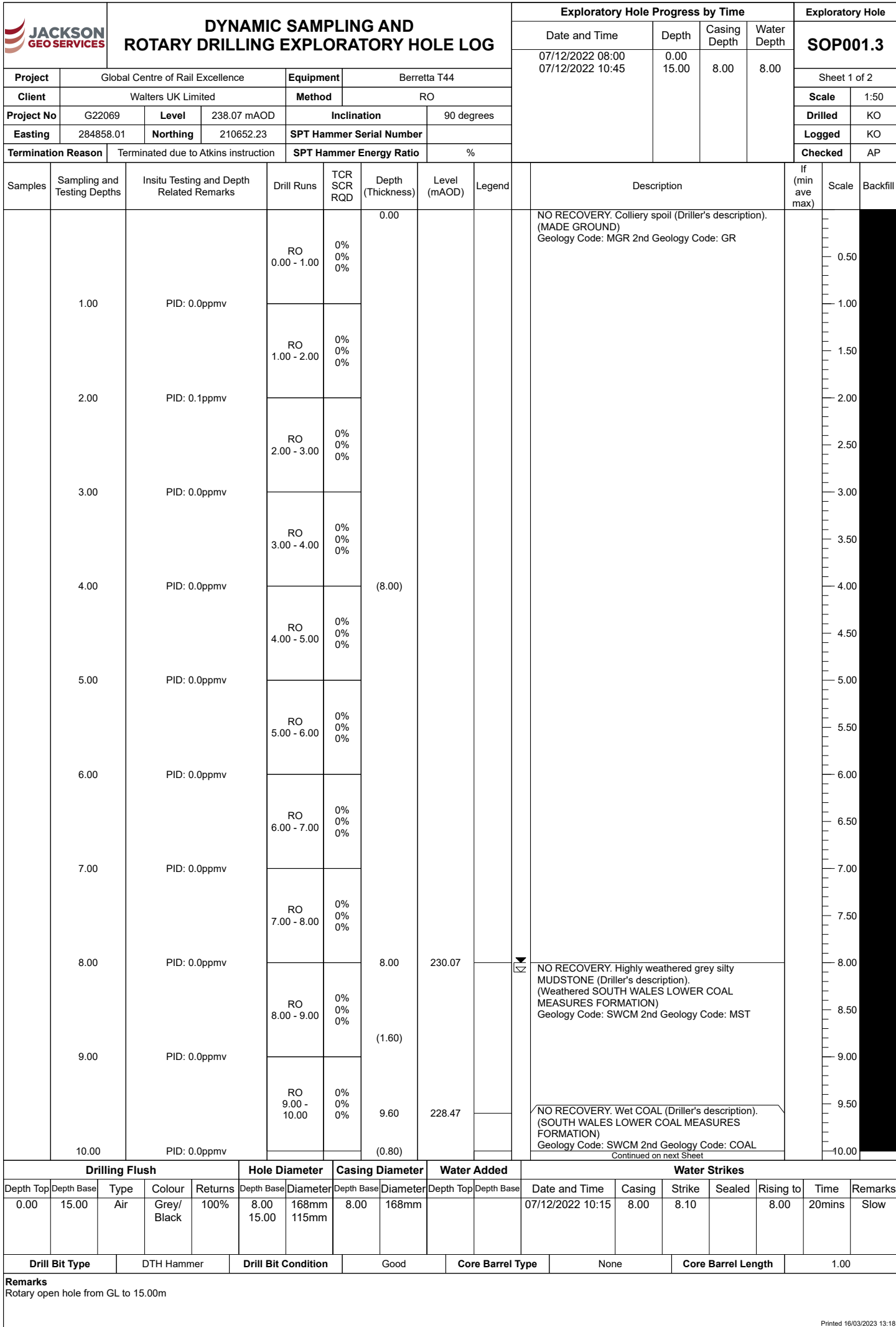


		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time				Exploratory Hole						
								Date and Time		Depth	Casing Depth	Water Depth	SOP001.2					
								06/12/2022 13:00 06/12/2022 16:00		0.00 15.00	9.00	8.7						
								Project		Global Centre of Rail Excellence		Equipment						
Client		Walters UK Limited		Method				Sheet 1 of 2										
Project No		G22069	Level	238.12 mAOD	Inclination		90 degrees		Scale		1:50							
Easting		284858.83	Northing	210651.97	SPT Hammer Serial Number				Drilled									
Termination Reason		Terminated due to Atkins instruction			SPT Hammer Energy Ratio		%		Logged									
									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				
	1.00	PID: 0.0ppmv			RO 0.00 - 1.00	0% 0% 0%	0.00			NO RECOVERY. Colliery spoil (Driller's description). (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR			0.50					
	2.00	PID: 0.0ppmv			RO 1.00 - 2.00	0% 0% 0%						1.00						
	3.00	PID: 0.0ppmv			RO 2.00 - 3.00	0% 0% 0%						1.50						
	4.00	PID: 0.0ppmv			RO 3.00 - 4.00	0% 0% 0%	(7.80)					2.00						
	5.00	PID: 0.0ppmv			RO 4.00 - 5.00	0% 0% 0%						2.50						
	6.00	PID: 0.0ppmv			RO 5.00 - 6.00	0% 0% 0%						3.00						
	7.00	PID: 0.0ppmv			RO 6.00 - 7.00	0% 0% 0%						3.50						
	8.00	PID: 0.0ppmv			RO 7.00 - 8.00	0% 0% 0%	7.80	230.32				4.00						
	9.00	PID: 0.0ppmv			RO 8.00 - 9.00	0% 0% 0%	(1.70)			4.50								
	10.00	PID: 0.0ppmv			RO 9.00 - 10.00	0% 0% 0%	9.50	228.62		5.00								
										NO RECOVERY. Highly weathered grey silty MUDSTONE (Driller's description). (Weathered SOUTH WALES LOWER COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST			5.50					
										NO RECOVERY. Wet COAL (Driller's description). (SOUTH WALES LOWER COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: COAL			6.00					
										Continued on next Sheet			6.50					
													7.00					
													7.50					
													8.00					
													8.50					
													9.00					
													9.50					
													10.00					
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	
0.00	15.00	Air	Grey/Black	100%	9.00	168mm 115mm	9.00	168mm			07/12/2022 08:21	7.50	7.80	0.00	7.60	20mins	Medium	
Drill Bit Type					Drill Bit Condition					Core Barrel Type					Core Barrel Length			
Remarks																		
Rotary open hole from GL to 15.00m																		

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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	SOP001.2	
												Project		Global Centre of Rail Excellence				
Client		Walters UK Limited				Method							Scale	1:50				
Project No		G22069		Level	238.12 mAOD		Inclination		90 degrees			Drilled						
Easting		284858.83		Northing	210651.97		SPT Hammer Serial Number					Logged						
Termination Reason		Terminated due to Atkins instruction				SPT Hammer Energy Ratio		%			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		
	11.50		PID: 0.0ppmv		RO 10.00 - 11.50	0% 0% 0%	10.80	227.32			NO RECOVERY. Wet COAL (Driller's description). (SOUTH WALES LOWER COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: COAL				10.50			
											NO RECOVERY. Grey silty MUDSTONE (Driller's description). (SOUTH WALES LOWER COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST							
	13.00		PID: 0.0ppmv		RO 11.50 - 13.00	0% 0% 0%	(4.20)						11.00	11.50				
	14.50		PID: 0.0ppmv		RO 13.00 - 14.50	0% 0% 0%							12.00	12.50				
	15.00		PID: 0.0ppmv		RO 14.50 - 15.00	0% 0% 0%		223.12						13.00	13.50			
												End of Exploratory Hole at 15.00m			14.00			
														14.50				
														15.00				
														15.50				
														16.00				
														16.50				
														17.00				
														17.50				
														18.00				
														18.50				
														19.00				
														19.50				
														20.00				
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	
0.00	15.00	Air	Grey/ Black	100%	9.00 15.00	168mm 115mm	9.00	168mm			07/12/2022 08:21	7.50	7.80	0.00	7.60	20mins	Medium	
Drill Bit Type					Drill Bit Condition					Core Barrel Type					Core Barrel Length			
Remarks Rotary open hole from GL to 15.00m																		

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Exploratory Hole Progress by Time				Exploratory Hole	
Date and Time	Depth	Casing Depth	Water Depth	SOP001.5 Sheet 2 of 2 Scale 1:50 Drilled KO Logged KO 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	15.00	Air	Grey/ Black	100%	8.00	168mm	8.00	168mm			07/12/2022 15:00	8.00	8.10		8.10	20mins	Damp
Drill Bit Type		DTH Hammer			Drill Bit Condition		Good		Core Barrel Type		None		Core Barrel Length		1.00		

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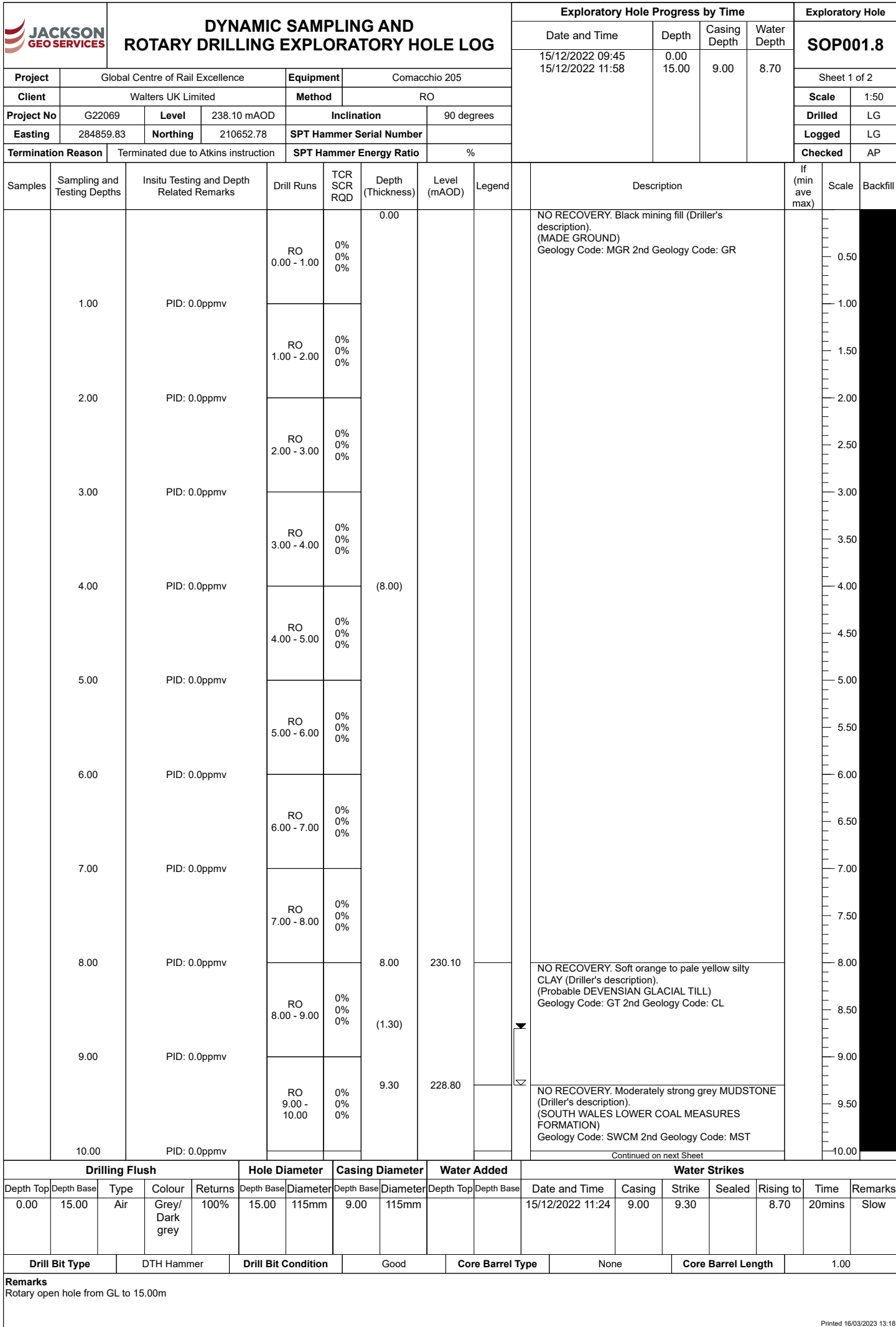
Exploratory Hole Progress by Time				Exploratory Hole	
Date and Time	Depth	Casing Depth	Water Depth	SOP001.6 Sheet 2 of 2 Scale 1:50 Drilled KO Logged KO Checked AP	

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	15.00	Air	Grey/ Black	100%	15.00	115mm	8.00	168mm			08/12/2022 13:20	7.00	7.40		7.30	20mins	
Drill Bit Type		DTH Hammer			Drill Bit Condition		Good		Core Barrel Type		None		Core Barrel Length		1.00		

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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	SOP001.7							
												Project		Global Centre of Rail Excellence					Equipment		Berretta T44			Sheet 2 of 2
Client		Walters UK Limited			Method		RO			Scale 1:50														
Project No		G22069		Level		238.18 mAOD		Inclination		90 degrees		Drilled KO												
Easting		284859.85		Northing		210653.81		SPT Hammer Serial Number				Logged KO												
Termination Reason		Terminated due to Atkins instruction			SPT Hammer Energy Ratio		%				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			
	11.50		PID: 0.0ppmv			RO 10.00 - 11.50		0% 0% 0%		10.70		227.48				NO RECOVERY. COAL with bands of black grey mudstone (Driller's description). (SOUTH WALES LOWER COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: COAL				10.50				
	13.00		PID: 0.0ppmv			RO 11.50 - 13.00		0% 0% 0%		(4.30)						NO RECOVERY. Grey silty MUDSTONE (Driller's description). (SOUTH WALES LOWER COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST				11.00				
	14.50		PID: 0.0ppmv			RO 13.00 - 14.50		0% 0% 0%												11.50				
	15.00		PID: 0.0ppmv			RO 14.50 - 15.00		0% 0% 0%				223.18				End of Exploratory Hole at 15.00m				12.00				
																							12.50	
																							13.00	
																							13.50	
																							14.00	
																							14.50	
																							15.00	
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																							18.00	
																							18.50	
																							19.00	
																							19.50	
																							20.00	
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							
0.00	15.00	Air/Mist	Grey/Black	100%	15.00	115mm	8.00	168mm																
Drill Bit Type		DTH Hammer		Drill Bit Condition		Good		Core Barrel Type		None		Core Barrel Length		1.00										
Remarks																								
Rotary open hole from GL to 15.00m																								
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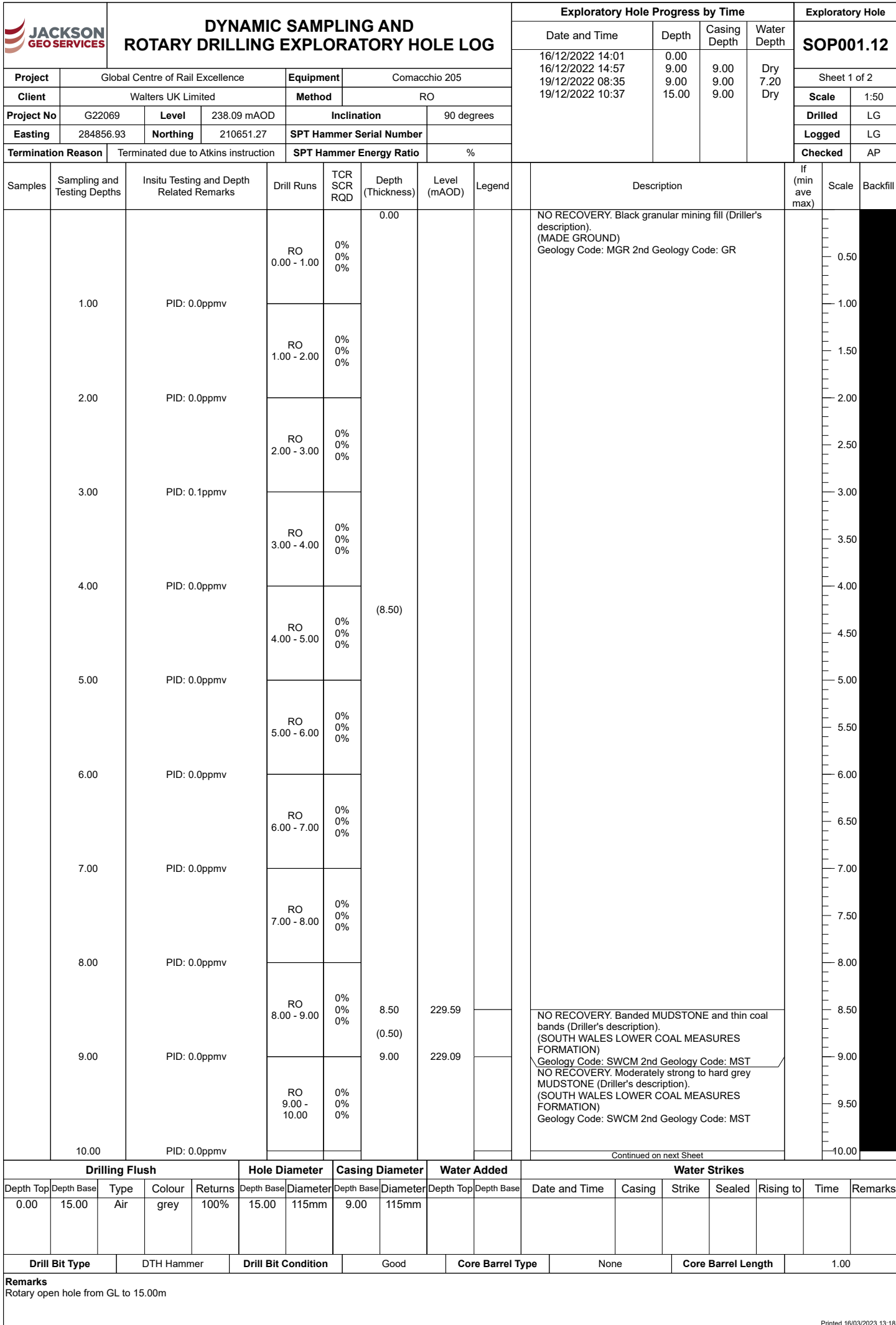
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		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG						Exploratory Hole Progress by Time				Exploratory Hole					
								Date and Time		Depth	Casing Depth	Water Depth	SOP001.10				
								15/12/2022 15:59		0.00							
								15/12/2022 16:42		9.00	9.00	Dry					
16/12/2022 08:33		9.00	9.00	6.30	Sheet 1 of 2												
16/12/2022 10:39		15.00	9.00	Dry													
Project		Global Centre of Rail Excellence			Equipment		Comacchio 205										
Client		Walters UK Limited			Method		RO										
Project No		G22069		Level	238.13 mAOD		Inclination		90 degrees								
Easting		284859.12		Northing	210650.75		SPT Hammer Serial Number										
Termination Reason		Terminated due to Atkins instruction			SPT Hammer Energy Ratio				%								
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				
	1.00	PID: 0.0ppmv			RO 0.00 - 1.00	0% 0% 0%	0.00			NO RECOVERY. Black mining fill (Driller's description). (MADE GROUND) Geology Code: MGR 2nd Geology Code: GR		0.50					
	2.00	PID: 0.0ppmv			RO 1.00 - 2.00	0% 0% 0%											
	3.00	PID: 0.0ppmv			RO 2.00 - 3.00	0% 0% 0%											
	4.00	PID: 0.0ppmv			RO 3.00 - 4.00	0% 0% 0%											
	5.00	PID: 0.0ppmv			RO 4.00 - 5.00	0% 0% 0%											
	6.00	PID: 0.0ppmv			RO 5.00 - 6.00	0% 0% 0%											
	7.00	PID: 0.0ppmv			RO 6.00 - 7.00	0% 0% 0%											
	8.00	PID: 0.0ppmv			RO 7.00 - 8.00	0% 0% 0%											
	9.00	PID: 0.0ppmv			RO 8.00 - 9.00	0% 0% 0%	8.00	230.13		NO RECOVERY. Banded dark grey MUDSTONE and coal (Driller's description). (SOUTH WALES LOWER COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST		8.50					
	10.00	PID: 0.0ppmv			RO 9.00 - 10.00	0% 0% 0%	9.00	229.13		NO RECOVERY. Moderately strong grey MUDSTONE (Driller's description). (SOUTH WALES LOWER COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST		9.50					
Continued on next Sheet														10.00			
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
0.00	15.00	Air	Grey	100%	15.00	115mm	9.00	115mm									
Drill Bit Type		DTH Hammer			Drill Bit Condition		Good		Core Barrel Type		None		Core Barrel Length		1.00		
Remarks																	
Rotary open hole from GL to 15.00m																	
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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	SOP001.10				
													Sheet 2 of 2				
													Scale	1:50			
													Drilled	LG			
Project		Global Centre of Rail Excellence			Equipment		Comacchio 205			Logged		LG					
Client		Walters UK Limited			Method		RO			Checked		AP					
Project No		G22069		Level		238.13 mAOD		Inclination		90 degrees							
Easting		284859.12		Northing		210650.75		SPT Hammer Serial Number									
Termination Reason		Terminated due to Atkins instruction			SPT Hammer Energy Ratio		%										
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			
	11.50	PID: 0.0ppmv			RO 10.00 - 11.50	0% 0% 0%	(6.00)	223.13		NO RECOVERY. Moderately strong grey MUDSTONE (Driller's description). (SOUTH WALES LOWER COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST			10.50				
													11.00				
													11.50				
	13.00	PID: 0.0ppmv			RO 11.50 - 13.00	0% 0% 0%							12.00				
													12.50				
							13.00										
							13.50										
							14.00										
	14.50	PID: 0.0ppmv			RO 13.00 - 14.50	0% 0% 0%				End of Exploratory Hole at 15.00m			14.50				
							15.00										
	15.00	PID: 0.0ppmv			RO 14.50 - 15.00	0% 0% 0%			15.50								
								16.00									
												16.50					
												17.00					
												17.50					
												18.00					
												18.50					
												19.00					
												19.50					
												20.00					
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
0.00	15.00	Air	Grey	100%	15.00	115mm	9.00	115mm									
Drill Bit Type		DTH Hammer		Drill Bit Condition		Good		Core Barrel Type		None		Core Barrel Length		1.00			
Remarks Rotary open hole from GL to 15.00m																	
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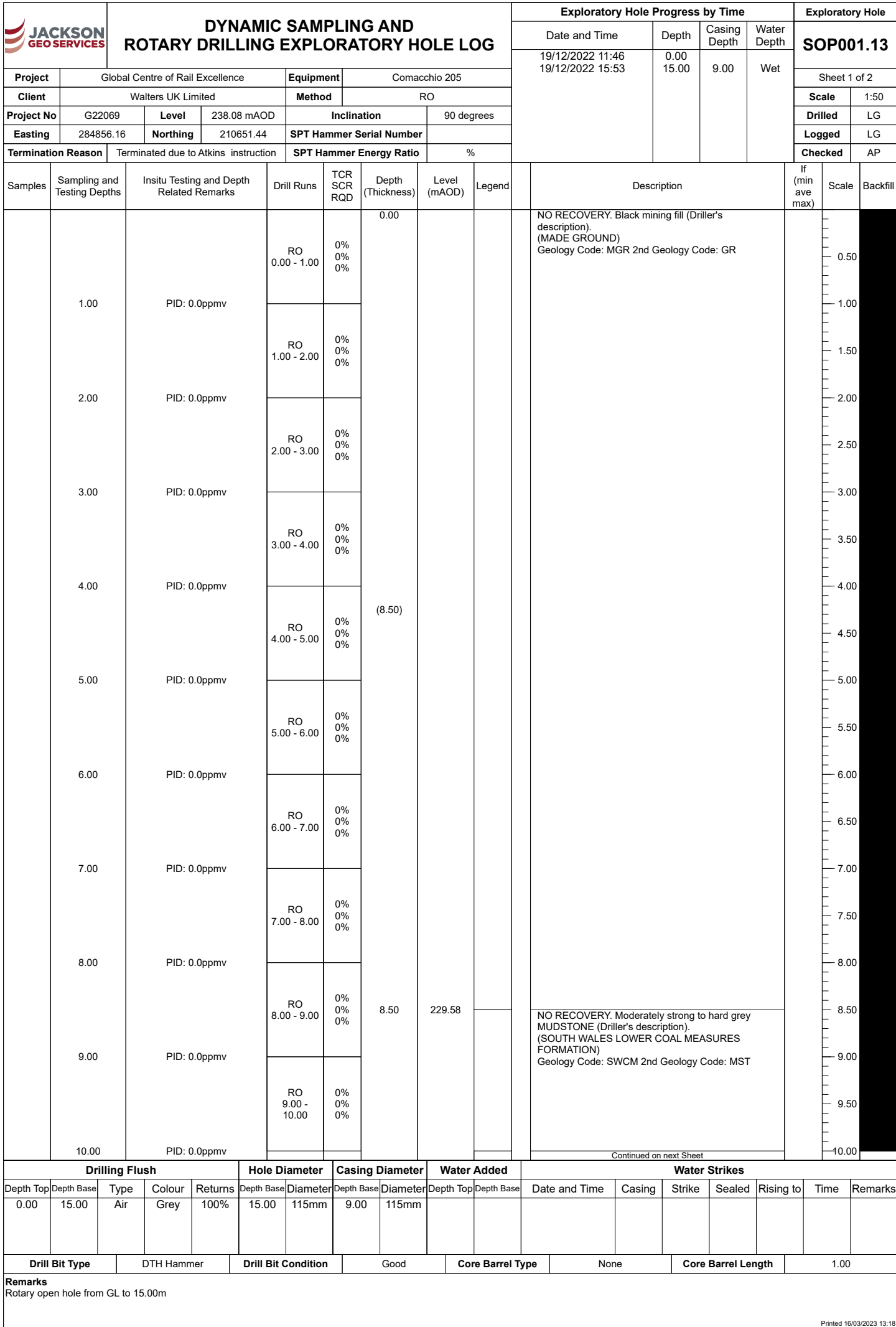
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		DYNAMIC SAMPLING AND ROTARY DRILLING EXPLORATORY HOLE LOG								Exploratory Hole Progress by Time				Exploratory Hole			
										Date and Time		Depth	Casing Depth	Water Depth	SOP001.12		
										Project		Global Centre of Rail Excellence					Equipment
Client		Walters UK Limited			Method		RO			Scale	1:50						
Project No		G22069		Level	238.09 mAOD		Inclination		90 degrees		Drilled	LG					
Easting		284856.93		Northing	210651.27		SPT Hammer Serial Number				Logged	LG					
Termination Reason		Terminated due to Atkins instruction			SPT Hammer Energy Ratio				%		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		
	11.50		PID: 0.0ppmv			RO 10.00 - 11.50	0% 0% 0%	(6.00)	223.09		NO RECOVERY. Moderately strong to hard grey MUDSTONE (Driller's description). (SOUTH WALES LOWER COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST			10.50			
														11.00			
														11.50			
	13.00		PID: 0.0ppmv			RO 11.50 - 13.00	0% 0% 0%							12.00			
														12.50			
								13.00									
	13.00		PID: 0.0ppmv			RO 13.00 - 14.50	0% 0% 0%				End of Exploratory Hole at 15.00m			13.50			
								14.00									
	14.50		PID: 0.0ppmv			RO 14.50 - 15.00	0% 0% 0%						14.50				
								15.00									
	15.00		PID: 0.0ppmv										15.50				
													16.00				
													16.50				
													17.00				
													17.50				
													18.00				
													18.50				
													19.00				
													19.50				
													20.00				
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
0.00	15.00	Air	grey	100%	15.00	115mm	9.00	115mm									
Drill Bit Type		DTH Hammer		Drill Bit Condition		Good		Core Barrel Type		None		Core Barrel Length		1.00			
Remarks Rotary open hole from GL to 15.00m																	

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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	SOP001.13		
Project		Global Centre of Rail Excellence				Equipment		Comacchio 205				Sheet 2 of 2					
Client		Walters UK Limited				Method		RO				Scale	1:50				
Project No		G22069		Level		238.08 mAOD		Inclination		90 degrees		Drilled	LG				
Easting		284856.16		Northing		210651.44		SPT Hammer Serial Number				Logged	LG				
Termination Reason		Terminated due to Atkins instruction				SPT Hammer Energy Ratio		%				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		
	11.50	PID: 0.0ppmv				RO 10.00 - 11.50	0% 0% 0%	(6.50)	223.08		NO RECOVERY. Moderately strong to hard grey MUDSTONE (Driller's description). (SOUTH WALES LOWER COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST			10.50			
														11.00			
														11.50			
														12.00			
	13.00	PID: 0.0ppmv				RO 11.50 - 13.00	0% 0% 0%				End of Exploratory Hole at 15.00m			12.50			
								13.00									
								13.50									
								14.00									
	14.50	PID: 0.0ppmv				RO 13.00 - 14.50	0% 0% 0%							14.50			
								15.00									
								15.50									
								16.00									
	15.00	PID: 0.0ppmv				RO 14.50 - 15.00	0% 0% 0%							16.50			
								17.00									
								17.50									
								18.00									
														18.50			
								19.00									
								19.50									
								20.00									
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
0.00	15.00	Air	Grey	100%	15.00	115mm	9.00	115mm									
Drill Bit Type		DTH Hammer		Drill Bit Condition		Good		Core Barrel Type		None		Core Barrel Length		1.00			
Remarks Rotary open hole from GL to 15.00m																	

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Exploratory Hole Progress by Time				Exploratory Hole	
Date and Time	Depth	Casing Depth	Water Depth	SOP001.14	
20/12/2022 09:09 20/12/2022 11:52	0.00 15.00	9.00	Dry		
				Sheet 1 of 2	
				Scale	1:50
				Drilled	LG
				Logged	LG
				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	15.00	Air/Mist	Grey	100%	15.00	115mm	9.00	115mm									
Drill Bit Type		DTH Hammer			Drill Bit Condition		Good		Core Barrel Type		None		Core Barrel Length		1.00		

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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	SOP001.14	
																	Sheet 2 of 2	
																	Scale	1:50
Project		Global Centre of Rail Excellence				Equipment		Comacchio 205				Drilled		LG				
Client		Walters UK Limited				Method		RO				Logged		LG				
Project No		G22069		Level		238.00 mAOD		Inclination		90 degrees		Checked		AP				
Easting		284856.27		Northing		210652.48		SPT Hammer Serial Number										
Termination Reason		Terminated due to Atkins instruction				SPT Hammer Energy Ratio		%										
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		
	11.50		PID: 0.0ppmv			RO 10.00 - 11.50	0% 0% 0%	(6.00)	223.00		NO RECOVERY. Moderately strong to hard grey MUDSTONE (Driller's description). (SOUTH WALES LOWER COAL MEASURES FORAMTION) Geology Code: SWCM 2nd Geology Code: MST				10.50			
	13.00		PID: 0.0ppmv			RO 11.50 - 13.00	0% 0% 0%								11.00			
	14.50		PID: 0.0ppmv			RO 13.00 - 14.50	0% 0% 0%								11.50			
	15.00		PID: 0.0ppmv			RO 14.50 - 15.00	0% 0% 0%								12.00			
											End of Exploratory Hole at 15.00m				12.50			
															13.00			
															13.50			
															14.00			
															14.50			
															15.00			
															15.50			
															16.00			
															16.50			
															17.00			
															17.50			
															18.00			
															18.50			
															19.00			
															19.50			
															20.00			
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	
0.00	15.00	Air/Mist	Grey	100%	15.00	115mm	9.00	115mm										
Drill Bit Type		DTH Hammer		Drill Bit Condition		Good		Core Barrel Type		None		Core Barrel Length		1.00				
Remarks Rotary open hole from GL to 15.00m																		
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								Date and Time		Depth	Casing Depth	Water Depth	SOP001.15				
Project		Global Centre of Rail Excellence			Equipment		Comacchio 205			Sheet 2 of 2							
Client		Walters UK Limited			Method		RO			Scale	1:50						
Project No		G22069		Level	238.06 mAOD		Inclination		90 degrees		Drilled	LG					
Easting		284856.40		Northing	210653.49		SPT Hammer Serial Number				Logged	LG					
Termination Reason		Terminated due to Atkins instruction			SPT Hammer Energy Ratio				%		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				
	11.50	PID: 0.0ppmv			RO 10.00 - 11.50	0% 0% 0%	(5.00)	223.06		NO RECOVERY. Moderately strong to hard grey MUDSTONE (Driller's description). (SOUTH WALES LOWER COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST		10.50					
												11.00					
												11.50					
												12.00					
	13.00	PID: 0.0ppmv			RO 11.50 - 13.00	0% 0% 0%						12.50					
												13.00					
	14.50	PID: 0.0ppmv			RO 13.00 - 14.50	0% 0% 0%						13.50					
												14.00					
	15.00	PID: 0.0ppmv			RO 14.50 - 15.00	0% 0% 0%						14.50					
										End of Exploratory Hole at 15.00m		15.00					
												15.50					
												16.00					
												16.50					
												17.00					
												17.50					
												18.00					
												18.50					
												19.00					
												19.50					
												20.00					
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
0.00	10.00	Air/Mist	Grey	100%	15.00	115mm	9.00	115mm			20/12/2022 14:51	9.00	14.80		13.60	20mins	
Drill Bit Type		DTH Hammer		Drill Bit Condition		Good		Core Barrel Type		None		Core Barrel Length		1.00			
Remarks Rotary open hole from GL to 15.00m																	
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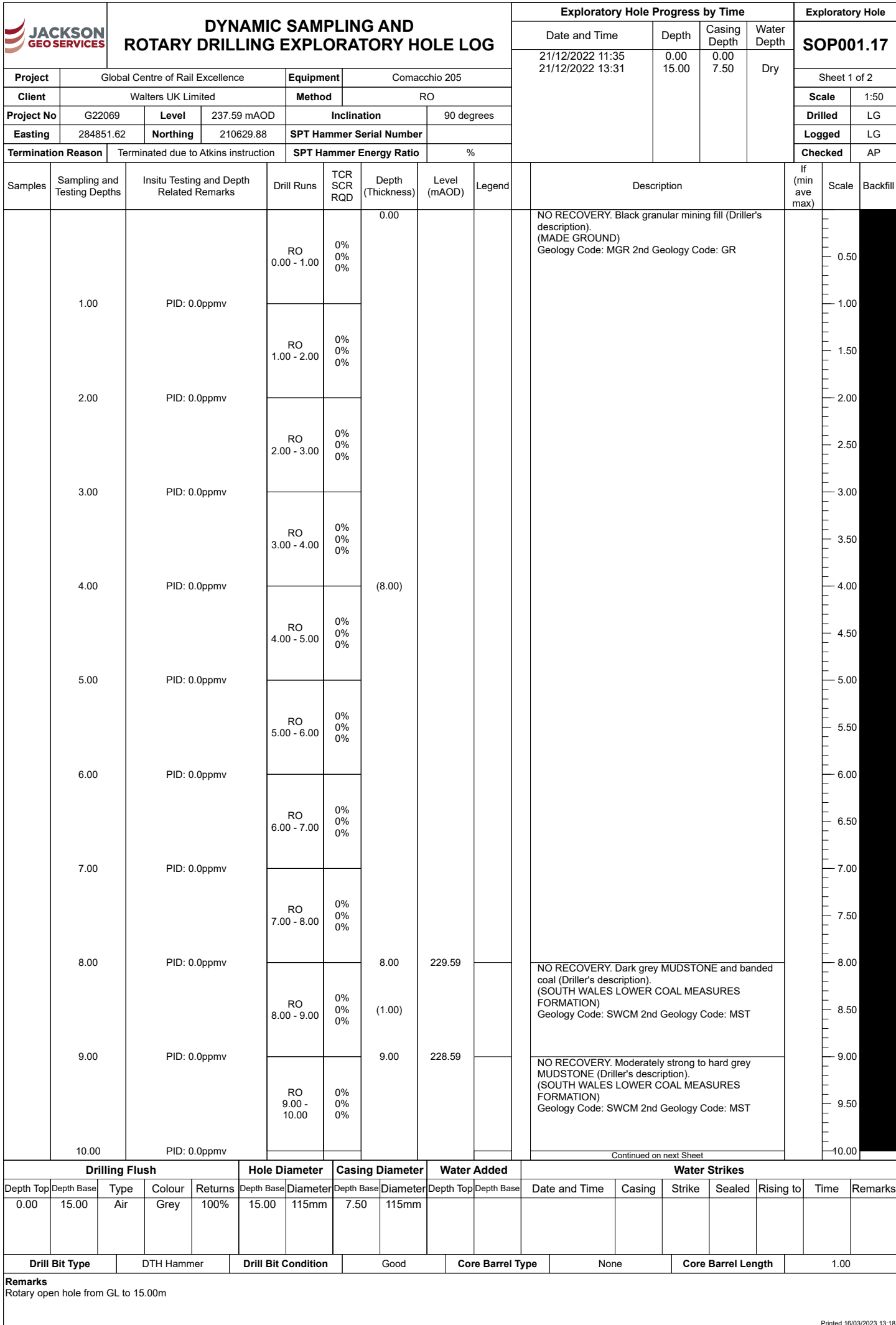


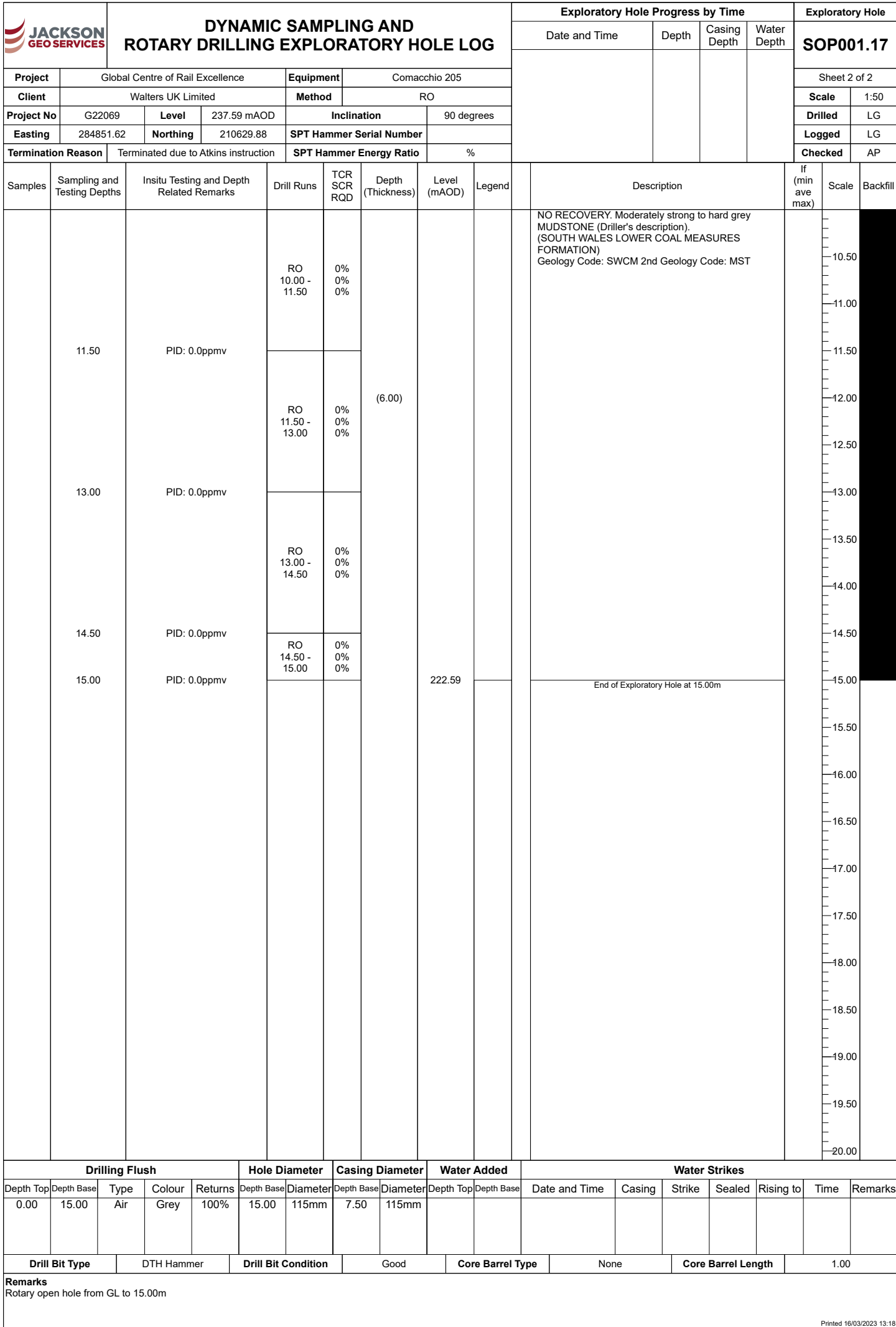
Exploratory Hole Progress by Time				Exploratory Hole	
Date and Time	Depth	Casing Depth	Water Depth	SOP001.16	
21/12/2022 08:39	0.00	9.00	Dry		
21/12/2022 11:20	15.00				
Sheet 1 of 2					
Scale	1:50				
Drilled	LG				
Logged	LG				
Checked	AP				

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	10.00	Air/Mist	Grey/Black	100%	15.00	115mm	9.00	115mm									
10.00	15.00	Air	Grey	100%													
Drill Bit Type		DTH Hammer			Drill Bit Condition		Good		Core Barrel Type		None		Core Barrel Length		1.00		

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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	SOP001.16				
Project		Global Centre of Rail Excellence			Equipment		Comacchio 205			Sheet 2 of 2							
Client		Walters UK Limited			Method		RO			Scale	1:50						
Project No		G22069		Level	237.51 mAOD		Inclination		90 degrees		Drilled	LG					
Easting		284850.87		Northing	210630.17		SPT Hammer Serial Number				Logged	LG					
Termination Reason		Terminated due to Atkins instruction			SPT Hammer Energy Ratio				%		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			
	11.50	PID: 0.0ppmv			RO 10.00 - 11.50	0% 0% 0%	(5.00)	222.51		NO RECOVERY. Hard to moderately strong grey MUDSTONE (Driller's description). (SOUTH WALES LOWER COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST		10.50					
												11.00					
												11.50					
												12.00					
	13.00	PID: 0.0ppmv			RO 11.50 - 13.00	0% 0% 0%						12.50					
												13.00					
												13.50					
												14.00					
	14.50	PID: 0.0ppmv			RO 13.00 - 14.50	0% 0% 0%						14.50					
												15.00					
	15.00	PID: 0.0ppmv			RO 14.50 - 15.00	0% 0% 0%				End of Exploratory Hole at 15.00m		15.50					
												16.00					
												16.50					
												17.00					
												17.50					
												18.00					
												18.50					
												19.00					
												19.50					
												20.00					
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
0.00	10.00	Air/Mist	Grey/Black Grey	100%	15.00	115mm	9.00	115mm									
10.00	15.00	Air		100%													
Drill Bit Type		DTH Hammer			Drill Bit Condition		Good		Core Barrel Type		None		Core Barrel Length		1.00		
Remarks Rotary open hole from GL to 15.00m																	
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Exploratory Hole Progress by Time				Exploratory Hole	
Date and Time	Depth	Casing Depth	Water Depth	SOP001.18	
				Sheet 2 of 2	
				Scale	1:50
				Drilled	LG
				Logged	LG
				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	15.00	Air	Grey	100%	15.00	115mm	7.50	115mm									
Drill Bit Type		DTH Hammer			Drill Bit Condition		Good		Core Barrel Type		None		Core Barrel Length		1.00		

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Exploratory Hole Progress by Time				Exploratory Hole	
Date and Time	Depth	Casing Depth	Water Depth	SOP001.19	
22/12/2022 08:25 22/12/2022 11:03	0.00 15.00	0.00 7.50	Dry		
Sheet 1 of 2					
Scale				1:50	
Drilled				LG	
Logged				LG	
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	15.00	Air	Grey	100%	15.00	115mm	7.50	115mm									
Drill Bit Type		DTH Hammer			Drill Bit Condition		Good		Core Barrel Type		None		Core Barrel Length		1.00		

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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	SOP001.19		
										Project		Global Centre of Rail Excellence					Equipment
Client		Walters UK Limited			Method		RO			Scale 1:50							
Project No		G22069		Level		237.50 mAOD		Inclination		90 degrees		Drilled LG					
Easting		284850.08		Northing		210630.53		SPT Hammer Serial Number				Logged LG					
Termination Reason		Terminated due to Atkins instruction			SPT Hammer Energy Ratio		%				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		
	11.50		PID: 0.0ppmv			RO 10.00 - 11.50	0% 0% 0%	(6.50)	222.50		NO RECOVERY. Moderately strong to hard grey MUDSTONE (Driller's description). (SOUTH WALES LOWER COAL MEASURES FORMATION) Geology Code: SWCM 2nd Geology Code: MST			10.50			
														11.00			
														11.50			
	13.00		PID: 0.0ppmv			RO 11.50 - 13.00	0% 0% 0%							12.00			
														12.50			
								13.00									
	13.00		PID: 0.0ppmv			RO 13.00 - 14.50	0% 0% 0%				End of Exploratory Hole at 15.00m			13.50			
								14.00									
	14.50		PID: 0.0ppmv			RO 14.50 - 15.00	0% 0% 0%						14.50				
								15.00									
	15.00		PID: 0.0ppmv										15.50				
													16.00				
													16.50				
													17.00				
													17.50				
													18.00				
													18.50				
													19.00				
													19.50				
													20.00				
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
0.00	15.00	Air	Grey	100%	15.00	115mm	7.50	115mm									
Drill Bit Type		DTH Hammer		Drill Bit Condition		Good		Core Barrel Type		None		Core Barrel Length		1.00			
Remarks Rotary open hole from GL to 15.00m																	

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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	SOP001.20	
												Project		Global Centre of Rail Excellence				
Client		Walters UK Limited			Method		RO			Scale	1:50							
Project No		G22069		Level	237.45 mAOD		Inclination		90 degrees		Drilled	LG						
Easting		284849.21		Northing	210630.92		SPT Hammer Serial Number				Logged	LG						
Termination Reason		Terminated due to Atkins instruction			SPT Hammer Energy Ratio		%				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			
	11.50		PID: 0.0ppmv			RO 10.00 - 11.50	0% 0% 0%	(6.00)	222.45		NO RECOVERY. Moderately strong grey MUDSTONE (Driller's description). (SOUTH WALES LOWER COAL MEASURES FORMAITON) Geology Code: SWCM 2nd Geology Code: MST			10.50				
														11.00				
														11.50				
						RO 11.50 - 13.00	0% 0% 0%							12.00				
														12.50				
	13.00		PID: 0.0ppmv										13.00					
													13.50					
													14.00					
	14.50		PID: 0.0ppmv			RO 13.00 - 14.50	0% 0% 0%						14.50					
													15.00					
	15.00		PID: 0.0ppmv			RO 14.50 - 15.00	0% 0% 0%				End of Exploratory Hole at 15.00m			15.50				
													16.00					
													16.50					
													17.00					
													17.50					
													18.00					
													18.50					
													19.00					
													19.50					
													20.00					
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	
					15.00	115mm	7.50	115mm										
Drill Bit Type		DTH Hammer		Drill Bit Condition		Good		Core Barrel Type		None		Core Barrel Length		1.00				
Remarks Rotary open hole from GL to 15.00m																		
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Exploratory Hole Progress by Time				Exploratory Hole	
Date and Time	Depth	Casing Depth	Water Depth	SOP002.1	
28/11/2022 13:00	0.00				
28/11/2022 16:00	7.50	7.50	Dry	Sheet 1 of 2	
29/11/2022 08:00	7.50	7.50	Dry	Scale	1:50
29/11/2022 12:00	20.00	7.00	Dry	Drilled	LG
				Logged	LG
				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	20.00	Air	Grey/ Black	100%	20.00	115mm	7.50	115mm									
Drill Bit Type		DTH Hammer			Drill Bit Condition		Good		Core Barrel Type		None		Core Barrel Length		1.00		

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