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BOREHOLE: BHT-203

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	1 of 44
Location:	Netherdale/Dalrymple Heights	Coords:	656540.2 m E 7664631.2 m N MGA2020-55		
Client:	Queensland Hydro	Surface RL:	856.80 m AHD	Date Started:	18/7/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: TH10	Date Completed:	5/8/2024
		Inclination:	-62° Direction: 237°	Logged:	DG/LH/PT/SB

Drilling					Sampling		Field Material Description				
METHOD	PENETRATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	GROUP SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS
AD/V	E		0	0.10 856.71	B 0.00-0.40 m			ML	TOPSOIL SILT: low plasticity, red-brown, with organic tree fragments.	w≈PL	VS - S	TOPSOIL
	E-F			0.45 856.40				ML	SILT: low plasticity, red-brown.		S	RESIDUAL SOIL
								ML	Clayey SILT: low to medium plasticity, pale red-brown, clay is low to medium plasticity.		F	
			1	1.00 855.92	D 1.00-1.20 m			ML	SILT: low plasticity, red-brown.			
	F-H									w<PL	F - St	
			2									
				3.00					Continued as Cored Borehole			
			3									
			4									
			5									
			6									
			7									
			8									
			9									
			10									

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BOREHOLE: BHT-203

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	2 OF 44
Location:	Netherdale/Dalrymple Heights	Coords:	656540.2 m E 7664631.2 m N MGA2020-55		
Client:	Queensland Hydro	Surface RL:	856.80 m AHD	Date Started:	18/7/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: TH10	Date Completed:	5/8/2024
		Inclination:	-62° Direction: 237°	Logged:	DG/LH/PT/SB

Drilling						Field Material Description				Defect Information	
METHOD	WATER	TCR	RQD	DEPTH (metres)	DEPTH RL	GRAPHIC LOG	ROCK / SOIL MATERIAL DESCRIPTION	WEATHERING	INFERRED STRENGTH (MPa) ■ - UCS	DEFECT DESCRIPTION & Additional Observations (Core partings shown - refer to Detailed Defect Descriptions table for all logged features)	AVERAGE DEFECT SPACING (mm)
				0					VL .2 L .6 M 2 H 60 VH 200 EH		10 30 100 300 1000 3000
				1							
				2							
				3	3.00		Continuation from non-cored borehole				
HQ3		100	0		854.15		MH Clayey SILT: medium to high plasticity, pale orange, clay is medium to high plasticity. stiff; moist; (RESIDUAL SOIL).				
				4	3.85						
		75	0		853.40		MH Clayey SILT: medium to high plasticity, pale orange, clay is medium to high plasticity. stiff; (RESIDUAL SOIL).				
					4.75						
					852.61		NO CORE 0.25m (4.75-5.00)				
				5	5.00						
		7	0		852.30		MH Clayey SILT: medium to high plasticity, pale orange, clay is medium to high plasticity. stiff; moist; (RESIDUAL SOIL).				
							NO CORE 1.45m (5.10-6.55)				
				6							
		80	0		6.55		ML Clayey SILT: low plasticity, yellow brown, clay is low plasticity; evidence of defects from original source rock. Unable to observe grains. Rock fragments at 6.65m, Highly weathered, oxidised orange/red, no grains visible, crumbles. stiff; Moist, dry of plastic limit; (RESIDUAL SOIL).				
				7	851.02						
					7.35						
		70	0		850.31		NO CORE 0.30m (7.35-7.65)				
					7.65						
				8	850.05		ML Clayey SILT: low plasticity, yellow brown, clay is low plasticity; trace coarse grained gravel; evidence of defects from original source rock. Unable to observe grains. Rock fragments at 6.65m, Highly weathered, oxidised orange/red, no grains visible, crumbles. stiff; Moist, dry of plastic limit; (RESIDUAL SOIL).				
					8.35						
		0	0		849.43		NO CORE 1.35m (8.35-9.70)				
				9							
		65	0		9.70						
					848.24						
				10							

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BOREHOLE: BHT-203

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	3 OF 44
Location:	Netherdale/Dalrymple Heights	Coords:	656540.2 m E 7664631.2 m N MGA2020-55		
Client:	Queensland Hydro	Surface RL:	856.80 m AHD	Date Started:	18/7/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: TH10	Date Completed:	5/8/2024
		Inclination:	-62° Direction: 237°	Logged:	DG/LH/PT/SB

Drilling						Field Material Description				Defect Information	
METHOD	WATER	TCR	RQD	DEPTH (metres)	DEPTH RL	GRAPHIC LOG	ROCK / SOIL MATERIAL DESCRIPTION	WEATHERING	INFERRED STRENGTH (MPa) ■ - UCS VL .2 L .6 M 2 H 6 VH 20 EH 200	DEFECT DESCRIPTION & Additional Observations (Core partings shown - refer to Detailed Defect Descriptions table for all logged features)	AVERAGE DEFECT SPACING (mm) 10 30 100 300 1000 3000
HQ3		65	0	10	10.35		ML Clayey SILT: low plasticity, yellow brown, clay is low plasticity; evidence of defects from original source rock. Unable to observe grains. Black mineral in defects, remains solid in some defects, highly weathered. stiff; (RESIDUAL SOIL).	RS			
					847.62		NO CORE 0.05m (10.35-10.40)				
		100	0	11	11.35		ML Clayey SILT: low plasticity, yellow brown, clay is low plasticity; trace coarse grained gravel; evidence of defects from original source rock. Unable to observe grains. Rock fragments at 6.65m, Highly weathered, oxidised orange/red, no grains visible, crumbles. stiff; Moist, dry of plastic limit; (RESIDUAL SOIL).				
					846.78		NO CORE 0.53m (11.35-11.88)				
		56	0	12	11.88		ML Clayey SILT: low plasticity, yellow brown, clay is medium plasticity; trace fine to medium grained sand. stiff - very stiff; Moist, dry of plastic limit; (RESIDUAL SOIL).	RS			
					846.31						
		0	0	13	12.55		NO CORE 2.55m (12.55-15.10)				
		0	0	14	845.72						
		50	0	15	15.10		ML Clayey SILT: low plasticity, yellow brown, clay is medium plasticity; trace fine grained sand; fragments of igneous rock. stiff - very stiff; Moist, dry of plastic limit; (RESIDUAL SOIL).	RS			
					843.47						
		60	0	16	15.50		NO CORE 0.20m (15.50-15.70)	RS			
					15.70						
		40	0		842.94		ML Clayey SILT: low plasticity, yellow brown, clay is medium plasticity; trace fine grained sand; fragments of igneous rock. very stiff; Moist, dry of plastic limit; (RESIDUAL SOIL).				
					16.00						
		40	0		842.67		NO CORE 0.30m (16.00-16.30)	RS			
					16.30						
		40	0	17	16.50		ML Clayey SILT: low plasticity, yellow brown, clay is medium plasticity; trace fine grained sand; fragments of igneous rock. very stiff; Moist, dry of plastic limit; (RESIDUAL SOIL).	RS			
					16.70						
					16.80			RS			
					17.00		NO CORE 0.20m (16.50-16.70)	RS			
		100	0		841.75		ML Clayey Gravelly SILT: low plasticity, pale brown, gravel is coarse grained; clay is low to medium plasticity clay. very stiff; Moist, dry of plastic limit; (RESIDUAL SOIL).	RS			
					17.50						
		40	0	18	841.35		ML Clayey Sandy SILT: low plasticity, yellow brown, sand is fine to medium grained; clay is medium plasticity clay; fragments of igneous rock. soft to very stiff; Moist, dry of plastic limit; (RESIDUAL SOIL).	RS			
					17.80						
		0	0		18.00		NO CORE 0.05m (17.00-17.05)				
					840.91		SC Silty SAND: fine to medium grained, yellow brown. medium dense; Moist, dry of plastic limit - moist; (RESIDUAL SOIL).				
		40	0	19	18.70		NO CORE 0.30m (17.50-17.80)	RS			
					840.29		ML Sandy SILT: low to medium plasticity, yellow brown, sand is fine to medium grained. stiff - very stiff; Moist, dry of plastic limit - moist; (RESIDUAL SOIL).				
					19.25						
		40	0		839.80		NO CORE 0.70m (18.00-18.70)				
					19.55						
		100	0	20	839.54		ML Sandy SILT: low to medium plasticity, yellow brown, sand is fine to medium grained. stiff - very stiff; Moist, dry of plastic limit; (RESIDUAL SOIL).	RS			
							NO CORE 0.30m (19.25-19.55)				

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BOREHOLE: BHT-203

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	4 OF 44
Location:	Netherdale/Dalrymple Heights	Coords:	656540.2 m E 7664631.2 m N MGA2020-55		
Client:	Queensland Hydro	Surface RL:	856.80 m AHD	Date Started:	18/7/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: TH10	Date Completed:	5/8/2024
		Inclination:	-62° Direction: 237°	Logged:	DG/LH/PT/SB

Drilling						Field Material Description				Defect Information	
METHOD	WATER	TCR	RQD	DEPTH (metres)	DEPTH RL	GRAPHIC LOG	ROCK / SOIL MATERIAL DESCRIPTION	WEATHERING	INFERRED STRENGTH (MPa) ■ - UCS	DEFECT DESCRIPTION & Additional Observations (Core partings shown - refer to Detailed Defect Descriptions table for all logged features)	AVERAGE DEFECT SPACING (mm)
HQ3		100	0	20	20.75		ML Sandy SILT: low to medium plasticity, yellow brown, sand is fine to medium grained. stiff - very stiff; Moist, dry of plastic limit; (RESIDUAL SOIL).	RS			
					838.48 21.00		NO CORE 0.25m (20.75-21.00)				
		100	0	21	838.26 21.50		ML Sandy SILT: low to medium plasticity, yellow brown, sand is fine to medium grained. very stiff; Moist, dry of plastic limit; (RESIDUAL SOIL).	RS			
		0	0		837.82 22.00		NO CORE 0.50m (21.50-22.00)				
		60	0	22	837.38 22.50		ML Sandy SILT: low to medium plasticity, yellow brown, sand is fine to medium grained. very stiff; Moist, dry of plastic limit; (RESIDUAL SOIL).	RS			
		80	0		22.70		NO CORE 0.20m (22.50-22.70)				
		100	0	23	836.76 23.70		ML Sandy SILT: low plasticity, yellow brown, sand is fine to medium grained; trace low to medium plasticity clay. very stiff; Moist, dry of plastic limit; (RESIDUAL SOIL).	RS			
		100	0								
		0	0		835.87 24.50		NO CORE 0.80m (23.70-24.50)				
		0	0	24							
		100	0		835.17 25.00		ML Sandy SILT: low plasticity, yellow brown, sand is fine grained; trace low to medium plasticity clay. very stiff; Moist, dry of plastic limit; (RESIDUAL SOIL).	RS			
		70	0	25	25.15		NO CORE 0.15m (25.00-25.15)				
					834.59 25.50		ML Sandy SILT: low plasticity, yellow brown, sand is fine grained; trace low to medium plasticity clay. very stiff; Moist, dry of plastic limit; (RESIDUAL SOIL).	RS			
		0	0		834.28 26.30		NO CORE 0.80m (25.50-26.30)				
		100	0	26							
		14	0		833.49 26.90		SM Silty SAND: fine to medium grained, pale brown, trace coarse grained gravel. dense to very dense; (RESIDUAL SOIL).	RS			
							NO CORE 0.50m (26.40-26.90)				
					27.00						
	6/11/2024 17:00, VWP3	0	0	27	832.96 27.75		SM Gravelly SAND: fine to medium grained, pale brown, gravel is coarse grained; fragments of rock. loose to very dense; moist; (RESIDUAL SOIL).	RS			
							NO CORE 0.75m (27.00-27.75)				
		50	0		832.30 28.90		GRANITE: fine to coarse grained, brown, dark grey and white, crystalline, massive, altered, frequent mafic inclusions present.	HW to MW		27.75-28.00: FZ, gy, br VN, UN, RF, recovered as gravel 28.05-28.23: Jsx2, 60°, Fe sn SN, PR, SM-RF 28.30-28.45: Jsx4, 40 - 60°, br SN, PR, RF 28.64-28.84: J, 70°, or SN, UN, SM-RF	
		100	100	28							
		100	100								
		100	100		29.00		NO CORE 0.10m (28.90-29.00)				
		100	100	29	831.19 30.00		GRANITE: medium to coarse grained, pale grey mottled black, crystalline, massive, altered, frequent mafic inclusions present.	MW to SW		29.00-29.35: FZ, 45°, SN, IR, recovered as gravel 29.35-30.00: Jsx7, 10 - 60°, Qz SN-VN, CU, RF	
				30							

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BOREHOLE: BHT-203

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	5 OF 44
Location:	Netherdale/Dalrymple Heights	Coords:	656540.2 m E 7664631.2 m N MGA2020-55		
Client:	Queensland Hydro	Surface RL:	856.80 m AHD	Date Started:	18/7/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: TH10	Date Completed:	5/8/2024
		Inclination:	-62° Direction: 237°	Logged:	DG/LH/PT/SB

Drilling						Field Material Description				Defect Information	
METHOD	WATER	TCR	RQD	DEPTH (metres)	DEPTH RL	GRAPHIC LOG	ROCK / SOIL MATERIAL DESCRIPTION	WEATHERING	INFERRED STRENGTH (MPa) ■ - UCS	DEFECT DESCRIPTION & Additional Observations (Core partings shown - refer to Detailed Defect Descriptions table for all logged features)	AVERAGE DEFECT SPACING (mm)
HQ3	6/11/2024 17:00, VWP2	100	100	30	830.31		GRANITE: medium to coarse grained, pale grey mottled black, crystalline, massive, altered, frequent mafic inclusions present.	FR			
										30.50: J, 35°, rd SN, UN, RF 30.65: J, 25°, CN, UN, RF	
				31						31.49: J, 20°, CN, CU, SM-RF	
		100	100	32						31.95: J, 70°, CN, UN, RF 32.07: J, 30°, CN, CU, RF 32.00-32.65: J, 30°, CN, UN, RF	
				33						32.77: J, 20°, CN, UN, RF	
		100	100	34						33.42: J, 20°, CN, UN, RF	
										34.02: J, 60°, CN, RF 34.12: J, 45°, CN, UN, RF 34.15: J, 70°, wh CN, PR, VR-RF 34.44: J, 70°, rd SN, PR, VR-RF	
		100	100	35						35.60: J, 70°, CN, UN, RF-SM	
				36						36.08: J, 20°, CN, PR, RF-SM 36.00-36.50: Vs x7, 50°, bk VN, PR, 5 mm 36.30: J, 70°, CN, ST, RF-VR	
					36.75						
					824.35		BASALT: very fine to fine grained, black, massive.			36.88: J, 50°, CN, UN, RF-SM	
				37						37.15-38.00: Vs x9, 60°, wh VN, ST, 5 mm 37.58: J, 40°, wh, Qz CT, ST, VR	
		100	100	38	38.07						
					823.19		GRANITE: medium to coarse grained, pale grey mottled black, crystalline, massive, altered, frequent mafic inclusions present.				
				39						38.85: J, 50°, CN, CU, SM 39.32: J, 15°, CN, ST	
		100	100	40							

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BOREHOLE: BHT-203

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	6 OF 44
Location:	Netherdale/Dalrymple Heights	Coords:	656540.2 m E 7664631.2 m N MGA2020-55		
Client:	Queensland Hydro	Surface RL:	856.80 m AHD	Date Started:	18/7/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: TH10	Date Completed:	5/8/2024
		Inclination:	-62° Direction: 237°	Logged:	DG/LH/PT/SB

Drilling						Field Material Description				Defect Information	
METHOD	WATER	TCR	RQD	DEPTH (metres)	DEPTH RL	GRAPHIC LOG	ROCK / SOIL MATERIAL DESCRIPTION	WEATHERING	INFERRED STRENGTH (MPa) ■ - UCS	DEFECT DESCRIPTION & Additional Observations (Core partings shown - refer to Detailed Defect Descriptions table for all logged features)	AVERAGE DEFECT SPACING (mm)
HQ3	6/11/2024 17:00, VWP1	100	100	40			GRANITE: medium to coarse grained, pale grey mottled black, crystalline, massive, altered, frequent mafic inclusions present.	FR		40.74: J, 40°, CN, PR-UN, SM-RF 40.38-41.50: Js x5, 15°, CN, CU, RF-SM	
				41							
				42						42.06: J, 15°, CN, UN, RF 42.30: J, 45°, CN, ST, RF 42.45-42.50: Js x2, 20°, CN, PR, RF-SM	
					42.75 819.05						
				43			LAMPROPHYRE: fine to medium grained, dark grey to black, porphyritic, massive, phenocrysts to 2 mm diameter.			42.50-43.00: Vs x4, 75°, wh VN, PR, 5 mm 43.00-44.00: J, 45°, x5 CN, UN, VR-SM-RF	
		100	100	44							
				45						44.68: J, 38°, CN, PR, SM-RF	
				46						45.33-45.45: J, 65°, CN, CU	
		100	100	47						46.38-46.50: Vs x2, 48°, wh, PR, 5 mm 46.78: J, 15°, ST, PO	
				48						47.54: J, 20°, PR, RF-SM	
				49						48.40: J, 20°, PR, RF-SM	
		100	100	50							

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BOREHOLE: BHT-203

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	7 OF 44
Location:	Netherdale/Dalrymple Heights	Coords:	656540.2 m E 7664631.2 m N MGA2020-55		
Client:	Queensland Hydro	Surface RL:	856.80 m AHD	Date Started:	18/7/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: TH10	Date Completed:	5/8/2024
		Inclination:	-62° Direction: 237°	Logged:	DG/LH/PT/SB

Drilling						Field Material Description				Defect Information	
METHOD	WATER	TCR	RQD	DEPTH (metres)	DEPTH RL	GRAPHIC LOG	ROCK / SOIL MATERIAL DESCRIPTION	WEATHERING	INFERRED STRENGTH (MPa) ■ - UCS VL .2 L .6 M .20 H .60 VH .200 EH	DEFECT DESCRIPTION & Additional Observations (Core partings shown - refer to Detailed Defect Descriptions table for all logged features)	AVERAGE DEFECT SPACING (mm) 10 30 100 300 1000 3000
HQ3		100	100	50			LAMPROPHYRE: fine to medium grained, dark grey to black, porphyritic, massive, phenocrysts to 2 mm diameter.	FR		50.62: J, 20°, CN, ST-IR, VR-RF	
				51						51.03: J, 35°, CN, ST, SM-RF	
				52						51.80: J, 10°, CN, IR, RF 52.04: J, 10°, CN, IR, RF	
		100	100	53						52.52: J, 10°, CN, ST, RF	
				54						53.47: J, 10°, CN, ST, RF 53.35-53.63: Vs x3, 45°, gn, yl VN, PR, 5 mm	
					54.38 808.79		GRANITE: medium to coarse grained, pale grey mottled black, crystalline, massive, altered, frequent mafic inclusions present.				
				55	*55.10* 808.15		Mafic xenolith x3.			55.48-55.70: Vs x5, 20°, bk VN	
		100	100	56	*55.85* 807.49		Mafic xenolith.			56.10-56.80: Vs x5, 20°, bk VN	
				57	*56.95* 806.52		Mafic xenolith.			57.00-57.70: Vs x9, 50°, bn, bk VN, PR, 15 mm	
					57.72 805.84		LAMPROPHYRE: fine to medium grained, dark grey to black, crystalline, massive, rare phenocrysts to 2 mm diameter.			57.70: SS, 45°, PR	
		100	100	58						58.33-59.25: Vs x14, 70°, wh VN, ST, VR-RF, 15 mm	
				59						58.97: J, 45°, rd gn SN, PO-SM 59.22: J, 20°, CN, UN, SM-RF 59.55: J, 10°, CN, UN, SM-RF	
				60							

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BOREHOLE: BHT-203

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	8 OF 44
Location:	Netherdale/Dalrymple Heights	Coords:	656540.2 m E 7664631.2 m N MGA2020-55		
Client:	Queensland Hydro	Surface RL:	856.80 m AHD	Date Started:	18/7/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: TH10	Date Completed:	5/8/2024
		Inclination:	-62° Direction: 237°	Logged:	DG/LH/PT/SB

Drilling						Field Material Description				Defect Information	
METHOD	WATER	TCR	RQD	DEPTH (metres)	DEPTH RL	GRAPHIC LOG	ROCK / SOIL MATERIAL DESCRIPTION	WEATHERING	INFERRED STRENGTH (MPa) ■ - UCS	DEFECT DESCRIPTION & Additional Observations (Core partings shown - refer to Detailed Defect Descriptions table for all logged features)	AVERAGE DEFECT SPACING (mm)
HQ3		100	100	60			LAMPROPHYRE: fine to medium grained, dark grey to black, crystalline, massive, rare phenocrysts to 2 mm diameter.	FR		59.95: J, 10°, CN, UN, SM-RF	
				61	61.15 802.81		GRANITE: medium to coarse grained, pale grey mottled black, crystalline, massive, altered, frequent mafic inclusions present.			60.57: J, 15°, ST, RF 60.40-60.94: J, 45°, CN, UN, RF 60.74: J, 40°, CN, UN, SM-RF	
		100	100	62	62.25 801.84		BASALT: fine to medium grained, dark grey to black, porphyritic, massive, rare phenocrysts to 2 mm diameter.			62.18: J, 40°, CN, PR, SM-RF	
					62.45 801.57		GRANITE: medium to coarse grained, pale grey mottled black, crystalline, massive, altered, frequent mafic inclusions present.			62.62: J, 18°, CN, UN, RF	
				63			BASALT: fine grained, dark grey, massive.			63.15: J, 18°, CN, UN, RF 63.31: J, 20°, CN, UN, RF	
				64						64.12: J, 10°, CN, PR	
		100	100	65	64.90 799.50		GRANITE: medium to coarse grained, pale grey mottled black, crystalline, massive, altered, frequent mafic inclusions present.				
					799.41						
				66						66.10-66.26: Vs x4, 45°, gn VN, PR, 5 mm	
				67	67.00 797.64		Xenolith microgranodiorite.			67.43: J, 25°, CN, ST	
		100	100	68							
				69						68.60-69.00: Vs x5, 30°, bk, gn VN, PR, 5 mm 69.03-69.04: J, 30°, CN, PR, SM	
					69.30 795.61		Slightly altered, dark-green to yellow.			69.25: J, 30°, CN, PR, SM	
		100	100	70	70.00						

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BOREHOLE: BHT-203

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	9 OF 44
Location:	Netherdale/Dalrymple Heights	Coords:	656540.2 m E 7664631.2 m N MGA2020-55		
Client:	Queensland Hydro	Surface RL:	856.80 m AHD	Date Started:	18/7/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: TH10	Date Completed:	5/8/2024
		Inclination:	-62° Direction: 237°	Logged:	DG/LH/PT/SB

Drilling						Field Material Description				Defect Information	
METHOD	WATER	TCR	RQD	DEPTH (metres)	DEPTH RL	GRAPHIC LOG	ROCK / SOIL MATERIAL DESCRIPTION	WEATHERING	INFERRED STRENGTH (MPa) ■ - UCS	DEFECT DESCRIPTION & Additional Observations (Core partings shown - refer to Detailed Defect Descriptions table for all logged features)	AVERAGE DEFECT SPACING (mm)
HQ3		100	100	70	794.99		GRANITE: medium to coarse grained, pale grey mottled black, crystalline, massive, altered, frequent mafic inclusions present.	FR	VL -2 L -6 M -20 H -60 VH -200 EH	70.80: J, 20°, CN, UN, VR-RF 70.82: J, 10°, CN, UN, VR-RF 71.15-71.18: J, 18°, CN, PR	10 30 100 300 1000 3000
				71							
					71.72						
					793.47		Slightly altered, dark-green to yellow.			71.89: J, 18°, PR 72.05-72.50: Vs x3, 30°, wh, bk VN, PR, 5 mm 72.45: J, 45°, PR	
				72							
		100	100	73							
				74						73.15-74.81: Jsx5, 10 - 30°, CN, PR, RF	
				75							
				76							
		100	100	77							
				78							
					78.27						
					787.69		MIX OF LAMPROPHYRE AND GRANITE: lamprophyre is fine to medium grained, dark grey, crystalline, altered granite is medium to coarse grained, dark grey, white, grey, crystalline, massive, slightly to moderately altered.				
		100	100	79						79.10-79.22: Js x2, 40°, CN, UN	
				80						79.81-79.90: Js x2, 10°, CU	

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BOREHOLE: BHT-203

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	10 OF 44
Location:	Netherdale/Dalrymple Heights	Coords:	656540.2 m E 7664631.2 m N MGA2020-55		
Client:	Queensland Hydro	Surface RL:	856.80 m AHD	Date Started:	18/7/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: TH10	Date Completed:	5/8/2024
		Inclination:	-62° Direction: 237°	Logged:	DG/LH/PT/SB

Drilling						Field Material Description				Defect Information	
METHOD	WATER	TCR	RQD	DEPTH (metres)	DEPTH RL	GRAPHIC LOG	ROCK / SOIL MATERIAL DESCRIPTION	WEATHERING	INFERRED STRENGTH (MPa) ■ - UCS	DEFECT DESCRIPTION & Additional Observations (Core partings shown - refer to Detailed Defect Descriptions table for all logged features)	AVERAGE DEFECT SPACING (mm)
HQ3		100	100	80			MIX OF LAMPROPHYRE AND GRANITE: lamprophyre is fine to medium grained, dark grey, crystalline, altered granite is medium to coarse grained, dark grey, white, grey, crystalline, massive, slightly to moderately altered.	FR	VL -2 L -6 M -20 H -60 VH -200 EH 200		10 30 100 300 1000 3000
				81						80.75-81.00: AZ, 45°, VN, IR	
										80.74-81.68: Js x8, 40°, wh VN, UN	
					81.60 784.75		GRANITE: medium to coarse grained, pale grey mottled black, crystalline, massive, altered, frequent mafic inclusions present, with numerous healed joints.				
		100	100	82							
										82.50-82.79: Vs x2, 80°, bk, UN	
				83						82.80-82.90: Js x2, 30°, gy/gn, UN, 5 mm	
										83.93: J, 20°, CN, PR	
				84							
					84.28 782.39		BASALT: very fine grained, dark grey, massive.				
		100	100	85							
										85.65: J, 70°, bk SN, ST	
				86	86.10 780.78		GRANITE: medium to coarse grained, pale grey mottled black, crystalline, massive, altered, frequent mafic inclusions present.				
		100	100								
				87	87.00 779.98		Medium to coarse grained, crystalline, massive.				
				88							
		100	100	89							
										89.30: J, 35°, rd or, mi oxide CN-SN, PR, RF	
				90	90.00						

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BOREHOLE: BHT-203

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	11 OF 44
Location:	Netherdale/Dalrymple Heights	Coords:	656540.2 m E 7664631.2 m N MGA2020-55		
Client:	Queensland Hydro	Surface RL:	856.80 m AHD	Date Started:	18/7/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: TH10	Date Completed:	5/8/2024
		Inclination:	-62° Direction: 237°	Logged:	DG/LH/PT/SB

Drilling						Field Material Description				Defect Information	
METHOD	WATER	TCR	RQD	DEPTH (metres)	DEPTH RL	GRAPHIC LOG	ROCK / SOIL MATERIAL DESCRIPTION	WEATHERING	INFERRED STRENGTH (MPa) ■ - UCS	DEFECT DESCRIPTION & Additional Observations (Core partings shown - refer to Detailed Defect Descriptions table for all logged features)	AVERAGE DEFECT SPACING (mm)
HQ3		100	100	90	777.33		GRANITE: medium to coarse grained, pale grey mottled black, crystalline, massive, altered, frequent mafic inclusions present, slightly altered, dark-green to yellow.	FR	VL .2 L .6 M .20 H .60 VH .200 EH	90.00-90.50: Vs x4, 45°, gn VN, PR	10 30 100 300 1000 3000
				91	91.35					90.85-91.00: AZ, 20°, gn, CU	
					776.14		Medium to coarse grained, dark grey to white, crystalline, massive, with basalt inclusions up to 100 mm diameter, slightly altered, dark-green to yellow.			91.25-91.63: Vs x4, 60°, gn VN, UN, 5 mm	
		100	100	92						91.00-93.50: Js x5, 70°, VN, PR, RF	
				93						92.95: J, 70°, UN, VR-RF	
				94						94.00-94.60: J, 72°, CN, PR	
		100	100	95							
				96						95.95: J, 40°, CN, PR, RF	
										96.10-96.35: Vs x5, 60°, gn VN, UN, 5 mm	
				97						96.68-97.28: Vs x7, 20°, gn VN, CU, 19 mm	
										97.44-97.68: Vs x5, 60°, gn VN, CU, 19 mm	
		100	100	98						98.00-98.20: Vs x4, 30°, gn VN, UN, 5 mm	
				99						98.82: J, 20°, qtz CN-VN, PR, SL-PO	
										99.12-99.18: Js x2, 45°, CN, UN, SM	
		100	100							99.32-99.65: Js x2, 80°, CN-VN, UN, SL-PO	
				100	100.00						

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BOREHOLE: BHT-203

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	12 OF 44
Location:	Netherdale/Dalrymple Heights	Coords:	656540.2 m E 7664631.2 m N MGA2020-55		
Client:	Queensland Hydro	Surface RL:	856.80 m AHD	Date Started:	18/7/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: TH10	Date Completed:	5/8/2024
		Inclination:	-62° Direction: 237°	Logged:	DG/LH/PT/SB

Drilling						Field Material Description				Defect Information	
METHOD	WATER	TCR	RQD	DEPTH (metres)	DEPTH RL	GRAPHIC LOG	ROCK / SOIL MATERIAL DESCRIPTION	WEATHERING	INFERRED STRENGTH (MPa) ■ - UCS	DEFECT DESCRIPTION & Additional Observations (Core partings shown - refer to Detailed Defect Descriptions table for all logged features)	AVERAGE DEFECT SPACING (mm)
HQ3		100	100	100	768.51		GRANITE: medium to coarse grained, pale grey mottled black, crystalline, massive, altered, frequent mafic inclusions present, slightly altered, dark-green to yellow.	FR			
				101						101.00-101.50: Vs x5, 80°, gn VN, CU, 5 mm	
				102						101.50-102.50: AZ, gn, PR 102.05: J, 10°, CN, ST, RF-VR	
		100	100	103						103.20-104.00: AZ, 45°, PR 103.50-103.90: Vs x5, 45°, gn VN, 5 mm	
				104						103.95: J, 45°, CN, PR	
				105						105.10: J, 40°, CN, UN, RF	
		100	100	106							
				107						107.08-107.50: Vs x6, 30°, gn VN, UN, 5 mm	
										107.69: J, 20°, CN, ST, RF	
				108							
		100	100	109						108.55-108.95: J, 55°, x3 CN, UN, RF	
										109.51-109.61: Vs x2, 45°, gn VN, UN, 5 mm 109.64: J, 40°, CN, UN, SM-RF	
				110	110.00						

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BOREHOLE: BHT-203

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	13 OF 44
Location:	Netherdale/Dalrymple Heights	Coords:	656540.2 m E 7664631.2 m N MGA2020-55		
Client:	Queensland Hydro	Surface RL:	856.80 m AHD	Date Started:	18/7/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: TH10	Date Completed:	5/8/2024
		Inclination:	-62° Direction: 237°	Logged:	DG/LH/PT/SB

Drilling						Field Material Description				Defect Information	
METHOD	WATER	TCR	RQD	DEPTH (metres)	DEPTH RL	GRAPHIC LOG	ROCK / SOIL MATERIAL DESCRIPTION	WEATHERING	INFERRED STRENGTH (MPa) ■ - UCS	DEFECT DESCRIPTION & Additional Observations (Core partings shown - refer to Detailed Defect Descriptions table for all logged features)	AVERAGE DEFECT SPACING (mm)
HQ3		100	100	110	759.68		GRANITE: medium grained, pale grey mottled black, crystalline, massive, altered, frequent mafic inclusions present.	FR		110.31: J, 40°, CN, IR, RF	
					110.60						
					759.15		Medium grained, dark grey, with aplite veins 20 - 30 mm.			110.65-111.00: Js x3, 60°, CN, UN, VR-RF	
				111	*111.50*						
					758.35		Medium to coarse grained, pale grey mottled black, crystalline, massive.				
					111.90						
				112	758.00		LAMPROPHYRE: fine grained, dark grey mottled grey, porphyritic, massive.				
					112.50						
		100	100		757.47		GRANITE: medium to coarse grained, pale grey mottled black, crystalline, massive, altered, frequent mafic inclusions present.				
				113						111.65-114.45: Js x12, 40°, Qtz, PR, PO-SL	
					113.70						
					756.41		LAMPROPHYRE: fine grained, dark grey mottled grey, crystalline, massive.			113.84: J, 45°, CN, IR	
				114							
				115						115.02: J, 45°, CN, PR, RF	
					116.00					115.82-115.85: J, 15°, PR, RF-SM	
		100	100	116	754.38		MIXED LAMPROPHYRE AND GRANITE: lamprophyre is fine to medium grained, dark grey, crystalline, masssive, granite is medium to coarse grained, dark grey, grey, pale grey, crystalline, massive, slightly to moderately altered.			116.30: J, 20°, wh SN, PR, RF	
										116.54: J, 20°, PR, RF	
				117							
					117.25						
					753.27		GRANITE: coarse grained, white, pink, pale grey and pale green, crystalline, massive, altered, frequent mafic inclusions present, highly altered.			117.23-117.60: IS, 38°, granite highly altered, seem infillb VN, IR	
					117.65						
					752.92		MIXED LAMPROPHYRE AND GRANITE: lamprophyre is fine to medium grained, dark grey, crystalline, masssive, granite is medium to coarse grained, dark grey, grey, pale grey, white, crystalline, massive, slightly to moderately altered.				
				118						118.00: Vs x8, 35°, wh VN, PR, 5 mm	
										118.32-118.42: Js x4, 10°, gn SN, PR, PO-SL	
										118.40-118.54: Vs x2, 30°, wh VN, PR, 5 mm	
										118.30-118.85: Js x3, 25°, CN, UN, SM	
		100	100							118.45-118.72: Vs x3, 30°, wh, PR	
										118.80: Vs x2, 30°, wh, PR	
				119						118.95-119.00: Vs x3, 45°, gn VN, UN, 5 mm	
										119.12: J, 38°, CN, PR, RF	
				120						119.75: J, 35°, CN, ST	

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BOREHOLE: BHT-203

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	14 OF 44
Location:	Netherdale/Dalrymple Heights	Coords:	656540.2 m E 7664631.2 m N MGA2020-55		
Client:	Queensland Hydro	Surface RL:	856.80 m AHD	Date Started:	18/7/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: TH10	Date Completed:	5/8/2024
		Inclination:	-62° Direction: 237°	Logged:	DG/LH/PT/SB

Drilling						Field Material Description				Defect Information	
METHOD	WATER	TCR	RQD	DEPTH (metres)	DEPTH RL	GRAPHIC LOG	ROCK / SOIL MATERIAL DESCRIPTION	WEATHERING	INFERRED STRENGTH (MPa) ■ - UCS	DEFECT DESCRIPTION & Additional Observations (Core partings shown - refer to Detailed Defect Descriptions table for all logged features)	AVERAGE DEFECT SPACING (mm)
HQ3		100	100	120			MIXED LAMPROPHYRE AND GRANITE: lamprophyre is fine to medium grained, dark grey, crystalline, masssive, granite is medium to coarse grained, dark grey, grey, pale grey, white, crystalline, massive, slightly to moderately altered.	FR	VL -2 L -6 M -20 H -60 VH -200 EH -200	120.07: J, 25°, wh VN, CU, 5 mm 120.00-120.60: Vs x2, 60°, gn VN-CT, UN, 5 mm 120.34: J, 45°, CN, PR, SM 120.35: J, 45°, CN, UN 120.68: J, 30°, CN, PR, SM 120.82: J, 40°, bk, PR 120.95: J, 15°, wh VN, PR, 5 mm	10 30 100 300 1000 3000
				121						121.30-121.38: J, 45°, CN, PR, SM 121.42: J, 45°, CN, PR, SM	
		100	100	122						121.82-121.95: AZ, 45°, gn VN, IR	
				123						122.70-123.00: Js x2, 35°, CN, PR	
		100	100	124							
				125						124.92-124.95: J, 35°, CN, ST, RF-VR 125.11: J, 45°, CN, ST, RF-VR	
				126						125.58: J, 45°, CN, PR	
				127						125.89: J, 20°, CN, PR, RF-SM	
		100	100	128	128.00 743.78		GRANITE: medium to coarse grained, pale grey mottled black, crystalline, massive, altered, frequent mafic inclusions present.				
				129							
		100	100	130	130.00						

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BOREHOLE: BHT-203

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	15 OF 44
Location:	Netherdale/Dalrymple Heights	Coords:	656540.2 m E 7664631.2 m N MGA2020-55		
Client:	Queensland Hydro	Surface RL:	856.80 m AHD	Date Started:	18/7/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: TH10	Date Completed:	5/8/2024
		Inclination:	-62° Direction: 237°	Logged:	DG/LH/PT/SB

Drilling						Field Material Description				Defect Information	
METHOD	WATER	TCR	RQD	DEPTH (metres)	DEPTH RL	GRAPHIC LOG	ROCK / SOIL MATERIAL DESCRIPTION	WEATHERING	INFERRED STRENGTH (MPa) ■ - UCS	DEFECT DESCRIPTION & Additional Observations (Core partings shown - refer to Detailed Defect Descriptions table for all logged features)	AVERAGE DEFECT SPACING (mm)
HQ3		100	100	130	742.02		GRANITE: medium to coarse grained, pale grey mottled black, crystalline, massive, sporadic lamprophyre intrusions, up to 150 mm thick.	FR	VL .2 L .6 M .20 H .60 VH .200 EH		10 30 100 300 1000 3000
				131						131.00: Vs x3, 70°, gn VN, PR, 5 mm 131.18: J, 20°, CN, UN-CU, SM-RF	
					131.75						
					740.47		Mafic xenolith.			126.70-136.70: J, 15°, CN, PR	
				132							
										132.67-132.74: Js x2, 15°, CN, ST-IR, RF	
				133							
		100	100	134						133.81: J, 35°, CN, PR, SM-RF 134.20: J, 45°, CN, PR, SM-RF	
				135						134.87: J, 15°, CN, PR-UN	
				136							
										136.57: Vs x8, 70°, gn VN, UN-CU, 12 mm	
		100	100	137						136.82-136.90: Vs x4, 28°, gn VN, UN 136.93: J, 15°, CN, UN	
					137.76						
					735.17		LAMPROPHYRE: fine grained, dark grey mottled grey, porphyritic, massive, phenocrysts to 2 mm diameter.				
				138						138.07-138.18: J, 10°, CN, UN-CU	
										138.62: J, 20°, CN, CU	
				139						139.00: Js x3, 10°, CN, PR	
		100	100		139.34						
					733.77		GRANITE: medium to coarse grained, pale grey mottled black, crystalline, massive, with numerous healed joints and quartz veins.				
										139.48-139.77: AZ, 60°, gn, IR	
				140	140.00						

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BOREHOLE: BHT-203

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	16 OF 44
Location:	Netherdale/Dalrymple Heights	Coords:	656540.2 m E 7664631.2 m N MGA2020-55		
Client:	Queensland Hydro	Surface RL:	856.80 m AHD	Date Started:	18/7/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: TH10	Date Completed:	5/8/2024
		Inclination:	-62° Direction: 237°	Logged:	DG/LH/PT/SB

Drilling						Field Material Description				Defect Information	
METHOD	WATER	TCR	RQD	DEPTH (metres)	DEPTH RL	GRAPHIC LOG	ROCK / SOIL MATERIAL DESCRIPTION	WEATHERING	INFERRED STRENGTH (MPa) ■ - UCS	DEFECT DESCRIPTION & Additional Observations (Core partings shown - refer to Detailed Defect Descriptions table for all logged features)	AVERAGE DEFECT SPACING (mm)
HQ3		100	100	140	733.19		GRANITE: medium to coarse grained, pale grey mottled black, crystalline, massive, altered, frequent mafic inclusions present.	FR			
				141						141.64: Vs x4, 50°, gn VN, UN-CU, 5 mm	
				142						142.08-142.27: Vs x3, 20°, gn, gy VN, UN-CU, 5 mm	
		100	100	143						142.56-142.80: Vs x5, 20°, gn VN, CU 142.86: J, 10°, CN, PR, SM-RF 143.33: J, 30°, CN, PR-CU, RF 143.00-143.72: J, 10°, CN, UN-CU	
				144						144.15: J, 10°, CN, ST 144.43: J, 10°, CN, PR	
		100	100	145						145.51: J, 10°, CN, UN, RF 105.70-185.75: Vs x8, 40°, gn VN, UN, 15 mm	
				146						146.08: J, 30°, pk CN-SN, PR 146.42-146.45: Vs x2, 35°, gn VN, UN-CU, 10 mm	
				147						146.80: J, 15°, CN, ST-IR 147.00-147.20: Vs x3, 70°, gn, wh VN, UN, 5 mm	
		100	100	148						147.66: J, 30°, CN, PR, SM-PO 148.20-148.28: Vs x3, 45°, gn VN, UN	
				149						149.31: J, qh, mi, Qtz VN, PR, SM 149.66: J, 20°, CN, PR, SM	
				150	150.00						

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BOREHOLE: BHT-203

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	17 OF 44
Location:	Netherdale/Dalrymple Heights	Coords:	656540.2 m E 7664631.2 m N MGA2020-55		
Client:	Queensland Hydro	Surface RL:	856.80 m AHD	Date Started:	18/7/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: TH10	Date Completed:	5/8/2024
		Inclination:	-62° Direction: 237°	Logged:	DG/LH/PT/SB

Drilling						Field Material Description				Defect Information	
METHOD	WATER	TCR	RQD	DEPTH (metres)	DEPTH RL	GRAPHIC LOG	ROCK / SOIL MATERIAL DESCRIPTION	WEATHERING	INFERRED STRENGTH (MPa) ■ - UCS	DEFECT DESCRIPTION & Additional Observations (Core partings shown - refer to Detailed Defect Descriptions table for all logged features)	AVERAGE DEFECT SPACING (mm)
HQ3		100	100	150	724.36		GRANITE: medium to coarse grained, pale grey mottled black, crystalline, massive.	FR		150.00-150.15: J, 50°, pk CN-SN	
		100	100	152						151.50-151.59: Vs x2, 60°, gn VN, UN-CU 151.60: J, 30°, CN, PR, RF 151.75: J, 30°, CN, PR, RF	
		100	100	153						152.35: J, 40°, pk CN-SN, UN, SM	
		100	100	154						153.70: J, 50°, CN, CU, RF 154.00-154.02: J, 45°, CN, CU, RF	
		100	100	155						154.19-154.82: Vs x5, 40°, gn VN, CU, 5 mm	
		100	100	156	156.50					156.23-156.32: Js x2, 50°, gn CN-SN, PR, SM	
					718.62		Slightly altered, dark-green to yellow.			156.52: VN, 70°, gn VN, CU, 5 mm 156.80: J, 70°, CN, UN	
		100	100	157	157.00					157.02-157.24: Vs x6, 35°, gn VN, PR, 5 mm	
				158	158.00					157.70-157.95: Vs x4, 20°, gn VN, CU, 5 mm	
					717.29		MIXED LAMPROPHYRE AND GRANITE: lamprophyre is fine to medium grained, dark grey, crystalline, masssive, granite is medium to coarse grained, dark grey, grey, pale grey, white, crystalline, massive, slightly to moderately altered.			158.08-158.20: Vs x3, 40°, gn VN, PR, 5 mm 158.52: J, 45°, CN, PR, RF	
		100	100	159						159.62-159.80: Vs x3, 62°, bk, gn VN, PR, 5 mm 159.82: J, 20°, CN, CU, RF	
				160	160.00						

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BOREHOLE: BHT-203

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	18 OF 44
Location:	Netherdale/Dalrymple Heights	Coords:	656540.2 m E 7664631.2 m N MGA2020-55		
Client:	Queensland Hydro	Surface RL:	856.80 m AHD	Date Started:	18/7/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: TH10	Date Completed:	5/8/2024
		Inclination:	-62° Direction: 237°	Logged:	DG/LH/PT/SB

Drilling						Field Material Description				Defect Information	
METHOD	WATER	TCR	RQD	DEPTH (metres)	DEPTH RL	GRAPHIC LOG	ROCK / SOIL MATERIAL DESCRIPTION	WEATHERING	INFERRED STRENGTH (MPa) ■ - UCS	DEFECT DESCRIPTION & Additional Observations (Core partings shown - refer to Detailed Defect Descriptions table for all logged features)	AVERAGE DEFECT SPACING (mm)
HQ3		100	100	160			MIXED LAMPROPHYRE AND GRANITE: lamprophyre is fine to medium grained, dark grey, crystalline, masssive, granite is medium to coarse grained, dark grey, grey, pale grey, white, crystalline, massive, slightly to moderately altered.	FR	VL -2 L -6 M -20 H -60 VH -200 EH	160.70: J, 10°, CN, PR, SM	10 30 100 300 1000 3000
				161						161.00-161.25: Vs x6, 40°, bk, wh VN, PR, 5 mm	
					161.65						
					714.07		GRANITE: medium to coarse grained, pale grey mottled black, crystalline, massive, with basalt inclusion to 5 mm diameter and numerous healed joints.			161.65-161.95: J, 45°, CN, PR, RF	
				162						162.00-162.15: Vs x5, 70°, gn VN, CU-UN 161.62-162.62: J, 10°, CN, CU, RF	
		100	100							162.53-162.70: J x2, 45°, CN, PR, RF	
				163						163.30-163.40: Vs x2, 50°, gn VN, PR-CU, 5 mm	
				164							
				165						164.75-164.90: Vs x4, 30°, gn VN, CU	
				166						165.65: J, 15°, CN, UN, RF	
		100	100		167.00					166.60: VN, 35°, gn VN, UN-CU, 5 mm 166.70: J, 20°, CN, PR, RF	
				167	709.35		BASALT: fine grained, dark grey, phaneritic, massive.			167.30: J, 10°, CN, PR	
					167.48						
					708.92		GRANITE: medium to coarse grained, pale grey mottled black, crystalline, massive, altered, frequent mafic inclusions present.			167.47-167.94: J, 40°, CN, PR, RF	
				168							
				169							
		100	100								
				170							

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BOREHOLE: BHT-203

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	19 OF 44
Location:	Netherdale/Dalrymple Heights	Coords:	656540.2 m E 7664631.2 m N MGA2020-55		
Client:	Queensland Hydro	Surface RL:	856.80 m AHD	Date Started:	18/7/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: TH10	Date Completed:	5/8/2024
		Inclination:	-62° Direction: 237°	Logged:	DG/LH/PT/SB

Drilling						Field Material Description				Defect Information	
METHOD	WATER	TCR	RQD	DEPTH (metres)	DEPTH RL	GRAPHIC LOG	ROCK / SOIL MATERIAL DESCRIPTION	WEATHERING	INFERRED STRENGTH (MPa) ■ - UCS	DEFECT DESCRIPTION & Additional Observations (Core partings shown - refer to Detailed Defect Descriptions table for all logged features)	AVERAGE DEFECT SPACING (mm)
HQ3		100	100	170	170.28			FR			
					706.45		BASALT: fine grained, dark grey to black, phaneritic, massive.			170.34: J, 42°, CN, CU, SM 170.50-170.69: Js x3, 35°, CN, PR	
				171	171.82					171.45-171.54: Js x3, 35°, CN, PR, RF	
					705.09		GRANITE: medium to coarse grained, pale grey mottled black, crystalline, massive, altered, frequent mafic inclusions present.			171.83: J, 55°, CN, PR, SM	
				172	172.65						
		100	100		704.36		BASALT: very fine grained, dark grey, massive.				
				173	173.20						
					703.87		GRANITE: medium to coarse grained, pale grey mottled black, crystalline, massive, altered, frequent mafic inclusions present, with numerous healed joints.				
					173.64						
					703.48		Slightly altered, pale green to yellow.				
				174	174.36					174.36-174.50: Vs x3, 60°, gn VN, PR	
					174.50						
					702.73		BASALT: fine grained, dark grey to black, massive.				
				175	175.00						
					702.28		GRANITE: medium to coarse grained, pale grey mottled black, massive, altered, frequent mafic inclusions present.				
					175.90					175.90: J, 30°, CN, UN, RF	
		100	100	176	701.49		BASALT: fine grained, dark grey to black, massive.			176.20: J, 45°, CN, PR, SM	
					176.93						
				177	700.58		GRANITE: medium to coarse grained, pale grey mottled black, crystalline, massive, altered, frequent mafic inclusions present.				
					177.60						
					699.99		BASALT: fine grained, dark grey, massive.			177.67: J, 45°, CN, PR, SM	
				178	178.55					178.42-178.45: J, 50°, CN, IR, RF	
		100	100		699.15		GRANITE: medium to coarse grained, pale grey mottled black, crystalline, massive, altered, frequent mafic inclusions present.				
					178.90						
				179	698.84		BASALT: fine grained, dark grey, massive.				
					179.15						
					698.62		GRANITE: medium to coarse grained, pale grey, pink mottled black, crystalline, massive, altered, frequent mafic inclusions present.				
					179.65						
					698.18		BASALT: fine grained, dark grey, massive.			179.64-179.78: Js x2, 50°, CN, PR, RF	
				180	180.00						

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BOREHOLE: BHT-203

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	20 OF 44
Location:	Netherdale/Dalrymple Heights	Coords:	656540.2 m E 7664631.2 m N MGA2020-55		
Client:	Queensland Hydro	Surface RL:	856.80 m AHD	Date Started:	18/7/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: TH10	Date Completed:	5/8/2024
		Inclination:	-62° Direction: 237°	Logged:	DG/LH/PT/SB

Drilling						Field Material Description				Defect Information	
METHOD	WATER	TCR	RQD	DEPTH (metres)	DEPTH RL	GRAPHIC LOG	ROCK / SOIL MATERIAL DESCRIPTION	WEATHERING	INFERRED STRENGTH (MPa) ■ - UCS VL .2 L .6 M .20 H .60 VH .200 EH	DEFECT DESCRIPTION & Additional Observations (Core partings shown - refer to Detailed Defect Descriptions table for all logged features)	AVERAGE DEFECT SPACING (mm) 10 30 100 300 1000 3000
HQ3		100	100	180	697.87		GRANITE: medium to coarse grained, pale grey, pink mottled black, crystalline, massive, altered, frequent mafic inclusions present.	FR		180.40-180.48: FZ, 45°, gounge infill VN, IR, SM	
					181.00						
				181	181.13		BASALT: fine grained, dark grey, massive.			180.95: J, 45°, pk SN-CN, UN, RF 181.10: J, 45°, CN, PR, RF 181.21: J, 30°, CN, PR	
					696.87		GRANITE: medium to coarse grained, pale grey mottled black, crystalline, massive, altered, frequent mafic inclusions present.				
		100	100	182	182.35					182.20: J, 45°, pk CN-SN, CU	
					695.79		BASALT: fine grained, dark grey, massive.				
				183	183.13						
					695.11		GRANITE: medium to coarse grained, pale grey, pink mottled black, crystalline, massive, altered, frequent mafic inclusions present.			183.71-183.72: J, 10°, porasic alteration pink CN-SN, PR	
					183.87						
				184	694.45		BASALT: fine grained, dark grey, massive.			184.09: J, 40°, Wh, mi; Qtz VN-CN, UN 184.45-184.68: Js x2, 20°, CN, CU	
		100	100	185	185.23					184.95: J, 70°, CN, ST	
					693.25		GRANITE: medium to coarse grained, pale grey, pink mottled black, crystalline, massive, altered, frequent mafic inclusions present.			185.45: J, 75°, CN, UN, RF 185.50-185.70: Vs, 60°, gn VN, PR, 5 mm 185.72: J, 10°, CN, UN, RF	
				186	186.02						
					692.55		BASALT: fine grained, dark grey, massive, with basalt inclusion to 50 - 100 mm diameter.			186.15-186.32: J, 30°, CN, PR, RF	
					186.32						
					692.29		GRANITE: medium to coarse grained, pale grey, pink mottled black, crystalline, massive, altered, frequent mafic inclusions present.				
				187	187.30						
					691.42		BASALT: fine grained, dark grey, massive.			187.42: J, 50°, CN, ST, VR 187.64: J, 40°, CN, UN, RF	
		100	100	188	188.29						
					690.55		GRANITE: medium to coarse grained, pale grey mottled black, crystalline, massive, altered, frequent mafic inclusions present.			188.15-188.43: AZ, 45°, gn, IR 188.40: J, 20°, gn, pk VN-SN, UN, 5 mm 188.44: J, 35°, pk CN-SN, PR	
					188.72						
					690.17		BASALT: fine grained, dark grey, massive.			188.80: J, 70°, CN, PR	
				189						189.13: J, 70°, CN, PR	
		100	100		189.97						
				190							

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BOREHOLE: BHT-203

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	21 OF 44
Location:	Netherdale/Dalrymple Heights	Coords:	656540.2 m E 7664631.2 m N MGA2020-55		
Client:	Queensland Hydro	Surface RL:	856.80 m AHD	Date Started:	18/7/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: TH10	Date Completed:	5/8/2024
		Inclination:	-62° Direction: 237°	Logged:	DG/LH/PT/SB

Drilling						Field Material Description				Defect Information	
METHOD	WATER	TCR	RQD	DEPTH (metres)	DEPTH RL	GRAPHIC LOG	ROCK / SOIL MATERIAL DESCRIPTION	WEATHERING	INFERRED STRENGTH (MPa) ■ - UCS	DEFECT DESCRIPTION & Additional Observations (Core partings shown - refer to Detailed Defect Descriptions table for all logged features)	AVERAGE DEFECT SPACING (mm)
HQ3		100	100	190	689.07		GRANITE: medium to coarse grained, pale grey mottled black, crystalline, massive, altered, frequent mafic inclusions present.	FR		190.28: J, 65°, CN, PR, RF	
					190.70						
					688.42		BASALT: very fine grained, dark grey, massive.			190.70: J, 15°, CN, PR-ST 190.72: Vs x5, 40°, wh, UN	
				191						190.70-191.25: FZ, 45°, CN, IR-ST, PO	
					191.25					191.05-191.21: Vs x3, 70°, wh CN, UN-ST, PO, 5 mm	
		100	100		687.94		Moderately altered pale-green to yellow.			191.35: VN, 45°, wh, gn VN, PR, 5 mm	
					191.90						
				192	687.36		LAMPROPHYRE: fine grained, dark grey, porphyritic, massive, highly fractured, generally healed with wh mi or Sn wh-gy mi, 0-30mm defect spacing.			191.90-192.50: SZ, 30 - 45°, medium to coarse gravel CN, PR, RF, significant	
		100	100								
				193						191.87-194.00: FZ, 45°, Rock affected by fault, IR	
										192.50-193.70: AZ, 45°, wh-vein VN, IR, SL, 3 mm	
										192.60-194.10: Jsx13, 40 - 55°, CN, PR, SM, very closely spaced	
					194.00					192.60-195.15: Js x29, 45°, PR-CU, SL-PO	
		100	100	194			Fine grained, dark grey, crystalline, massive.				
					685.42		LAMPROPHYRE: very fine grained, dark grey, porphyritic, massive, sporadic 2-3mm phenocrysts.			194.25: Vs x3, 10°, wh VN, PR-UN, 5 mm	
				195							
										195.60-195.70: Vs x2, 45°, gn VN, PR, 5 mm	
										195.80: J, 70°, CN, UN-PR, SM	
				196							
					196.80					196.72: J, 60°, CN, ST-IR, VR	
					683.04		BASALT: fine grained, dark grey, massive.			196.80: J, 45°, CN, PR, RF	
		100	100	197							
										197.30-197.50: Js x2, 50°, CN, PR-ST, RF	
				198						197.85: J, 90°, wh, mi Qtz VN, PR, 5 mm	
										198.16: J, 55°, CN, PR, RF	
										198.42: J, 45°, gn CT, PR, SM	
										198.48-199.00: Js x5, 45°, CN, UN-PR, SM 198.50-199.00: Vs x5, 30°, wh VN, PR-UN, 5 mm	
				199							
		100	100		*199.35*					199.20: J, 40°, CN, PR, SM	
					680.78 680.76		GRANITE: medium to coarse grained, dark grey, massive, altered, frequent mafic inclusions present.				
				200							

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BOREHOLE: BHT-203

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	22 OF 44
Location:	Netherdale/Dalrymple Heights	Coords:	656540.2 m E 7664631.2 m N MGA2020-55		
Client:	Queensland Hydro	Surface RL:	856.80 m AHD	Date Started:	18/7/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: TH10	Date Completed:	5/8/2024
		Inclination:	-62° Direction: 237°	Logged:	DG/LH/PT/SB

Drilling						Field Material Description				Defect Information	
METHOD	WATER	TCR	RQD	DEPTH (metres)	DEPTH RL	GRAPHIC LOG	ROCK / SOIL MATERIAL DESCRIPTION	WEATHERING	INFERRED STRENGTH (MPa) ■ - UCS VL .2 L .6 M .20 H .60 VH .200 EH	DEFECT DESCRIPTION & Additional Observations (Core partings shown - refer to Detailed Defect Descriptions table for all logged features)	AVERAGE DEFECT SPACING (mm) 10 30 100 300 1000 3000
HQ3		100	100	200	200.30		GRANITE: medium to coarse grained, dark grey, massive, altered, frequent mafic inclusions present.	FR			
					679.95		Granite: highly altered.			200.10-200.50: Vs x8, 55°, wh, pk VN, PR, 25 mm	
							BASALT: very fine grained, dark grey, massive.				
				201	201.15					200.95: Vs x4, 45°, gn CN-SN, ST-IR, RF	
					679.20		GRANITE: medium to coarse grained, dark grey, massive, moderately altered orange to brown-green.				
					201.55						
		100	100		678.84		GRANITE: medium to coarse grained, pale grey mottled dark grey, crystalline, massive.			201.40-201.94: J, 50°, CN, PR-UN, RF	
				202	202.22						
					678.25		BASALT: fine grained, dark grey, massive, moderately altered orange to brown-green.			201.70-202.65: Vs x7, 30°, pk mi Qtz VN, PR, 8 mm 202.17-202.23: Vs x2, 30°, wh, pk VN, UN, 5 mm	
					202.50						
					678.00		GRANITE: medium to coarse grained, pale grey mottled dark grey, crystalline, massive, altered, frequent mafic inclusions present.				
				203						201.50-204.50: Js x12, 45°, pk potasic alteration wh rd VN-SN, IR-PR, RF	
										201.80-204.95: FZ, 45°, IR	
					203.80						
					204.00		BASALT: very fine to fine grained, dark grey, massive.				
				204	676.68		GRANITE: medium to coarse grained, pale grey mottled dark grey, crystalline, massive, altered, frequent mafic inclusions present.				
					204.30						
					676.41		BASALT: fine grained, dark grey, massive.				
					204.64						
					676.11		Slightly to moderately altered orange to brown with green-yellow.				
				205			GRANITE: medium to coarse grained, pale grey mottled dark grey, crystalline, massive, altered, frequent mafic inclusions present.				
		100	100	206							
					206.35						
					674.60		Highly altered.			205.31-207.37: Js x6, 70°, pk, gn VN, PR-UN, SL	
				207							
										207.48: J, 70°, pk CN-SN, PR, SM 207.60: J, 30°, CN, CU-IR	
				208						208.19-208.20: J, 10°, pk, wh VN-SN, PR, 7 mm	
					208.60						
		100	100		672.62		BASALT: very fine to fine grained, dark grey, massive.			208.60: J, 10°, CN, IR	
					208.82						
					672.42		GRANITE: coarse to very coarse grained, pale grey mottled dark grey, crystalline, massive, altered, frequent mafic inclusions present.				
				209						209.02: J, 20°, CN, CU	
										209.25: J, 20°, CN, CU	
					209.60						
					671.73		BASALT: very fine to fine grained, dark grey, massive.			209.58: J, 35°, pk, mi Qtz VN-SN, PR, RF	
		100	100	210							

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BOREHOLE: BHT-203

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	23 OF 44
Location:	Netherdale/Dalrymple Heights	Coords:	656540.2 m E 7664631.2 m N MGA2020-55		
Client:	Queensland Hydro	Surface RL:	856.80 m AHD	Date Started:	18/7/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: TH10	Date Completed:	5/8/2024
		Inclination:	-62° Direction: 237°	Logged:	DG/LH/PT/SB

Drilling						Field Material Description				Defect Information	
METHOD	WATER	TCR	RQD	DEPTH (metres)	DEPTH RL	GRAPHIC LOG	ROCK / SOIL MATERIAL DESCRIPTION	WEATHERING	INFERRED STRENGTH (MPa) ■ - UCS VL .2 L .6 M 2 H 6 VH 20 EH 60	DEFECT DESCRIPTION & Additional Observations (Core partings shown - refer to Detailed Defect Descriptions table for all logged features)	AVERAGE DEFECT SPACING (mm) 10 30 100 300 1000 3000
HQ3		100	100	210			BASALT: very fine to fine grained, dark grey, massive.	FR		210.08: J, 25°, CN, UN, RF 210.14: J, 75°, CN, UN, RF 210.28: J, 45°, CN, UN, RF	
				211						211.33: J, 15°, pk SN, PR, RF 211.60: J, 15°, CN, UN-IR, RF	
		100	100	212	212.03					211.90: J, 40°, CN, UN, RF	
					669.59 212.24	+ +	GRANITE: medium to coarse grained, white, dark grey, porphyritic, massive.				
					669.40		BASALT: fine grained, dark grey, crystalline, massive.			212.22: J, 20°, CN, UN	
					212.71					212.50: J, 50°, pk, gn CN-SN, PR-ST, RF	
					668.99	+ +	GRANITE: medium to coarse grained, pale grey mottled dark grey, porphyritic, massive.				
				213	213.04	+ +				212.73-212.97: J, 20°, gn, pk, mi Qtz VN-SN, UN 212.94: J, 45°, epidote infilling VN, UN, SM	
					668.70		BASALT: fine grained, dark grey, crystalline, massive.				
					213.46					213.21: J, 18°, CN, ST-IR 213.00-213.47: J, 35°, pk CT-SN, IR-ST, RF 213.21-213.27: J, 20°, intercept with at 45 degrees CN, CU, RF 213.56: J, 20°, CN, ST	
					668.33	+ +	GRANITE: coarse to very coarse grained, pale grey mottled dark grey, crystalline, massive, altered, frequent mafic inclusions present.				
				214						213.90: J, 10°, r pk, mi Qtz VN-SN, PR, RF 214.23: J, 20°, CN, UN-CU	
					214.69					214.61: J, 65°, CN, ST, SM	
					667.24		BASALT: very fine to fine grained, dark grey, massive.				
		100	100	215	215.00						
					666.97	+ +	GRANITE: medium to coarse grained, white, dark grey, porphyritic, massive.				
					215.49					215.32: J, 60°, qtz infill VN, PR, SL	
					666.53 215.71		BASALT: very fine to fine grained, dark grey, massive.				
					666.34	+ +	GRANITE: coarse to very coarse grained, pale grey mottled dark grey, crystalline, massive, altered, frequent mafic inclusions present.			215.70: J, 60°, CN, PR, SL-PO 215.80: J, 45°, CN, PR, RF	
				216						216.13: J, 70°, rd, gn, wh VN-SN, PR-CU, SM 216.25: J, 45°, rd SN-CN, PR, RF 216.00-216.60: Vs x13, 45°, wh VN, PR-CU, 5 mm 216.42: J, 10°, CN, ST, RF 216.54: J, 10°, wh, mi Qtz VN, IR, RF	
					216.45						
		100	100		665.69	+ +	GRANITE: very fine to fine grained, grey, dark green mottled grey, brecciated, highly fractured fault zone, generally healed with wh mi, fault gouge, slickenside planes, pseudotachylites.				
				217							
				218							
		100	100								
				219						216.75-220.50: SZ, 45°, gravelly clayey SAND fault gouge, IR, SL, multiple defects, 10-30mm spacing, generally healed with wh mi, multiple sub-vertical V 20-40mm wide	
		100	100	220							

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BOREHOLE: BHT-203

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	24 OF 44
Location:	Netherdale/Dalrymple Heights	Coords:	656540.2 m E 7664631.2 m N MGA2020-55		
Client:	Queensland Hydro	Surface RL:	856.80 m AHD	Date Started:	18/7/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: TH10	Date Completed:	5/8/2024
		Inclination:	-62° Direction: 237°	Logged:	DG/LH/PT/SB

Drilling						Field Material Description				Defect Information	
METHOD	WATER	TCR	RQD	DEPTH (metres)	DEPTH RL	GRAPHIC LOG	ROCK / SOIL MATERIAL DESCRIPTION	WEATHERING	INFERRED STRENGTH (MPa) ■ - UCS	DEFECT DESCRIPTION & Additional Observations (Core partings shown - refer to Detailed Defect Descriptions table for all logged features)	AVERAGE DEFECT SPACING (mm)
HQ3		100	100	220	220.45			FR			
					662.15		BASALT: fine grained, dark grey, massive.			220.20-220.90: Vs x11, 45°, wh, pk VN, CU, 15 mm	
				221	221.56						
		100	100		661.17		BASALT: very fine to fine grained, grey, dark green mottled grey, brecciated, massive, highly fractured fault zone, generally healed with wh mi, fault gouge, slickenside planes, pseudotachylites.				
				222	222.00						
		100	100		660.79		Moderately altered.				
		100	100	223							
				224						224.00-224.30: J, 70°, CN, PR-IR, SL	
				225						224.60-225.50: J, 45°, CN, PR-IR, SL	
		100	100	226						221.70-229.75: SZ, 45°, fault; planar fractures, fault gouge, IR, SL, multiple defects, 10-30mm spacing, generally healed with wh mi, highly deformed	
		100	100	227							
		100	100	228						228.00-228.60: J, 45°, gn, IR-PR, SL	
		100	100	229						228.98: Vs x3, 10°, wh VN, IR, 10 mm 228.60-229.75: J, 45°, IR	
		100	100		229.80						
				230	653.90		Very fine grained, dark grey, massive.				

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BOREHOLE: BHT-203

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	25 OF 44
Location:	Netherdale/Dalrymple Heights	Coords:	656540.2 m E 7664631.2 m N MGA2020-55		
Client:	Queensland Hydro	Surface RL:	856.80 m AHD	Date Started:	18/7/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: TH10	Date Completed:	5/8/2024
		Inclination:	-62° Direction: 237°	Logged:	DG/LH/PT/SB

Drilling						Field Material Description				Defect Information	
METHOD	WATER	TCR	RQD	DEPTH (metres)	DEPTH RL	GRAPHIC LOG	ROCK / SOIL MATERIAL DESCRIPTION	WEATHERING	INFERRED STRENGTH (MPa) ■ - UCS VL 2 L 6 M 20 H 60 VH 200 EH	DEFECT DESCRIPTION & Additional Observations (Core partings shown - refer to Detailed Defect Descriptions table for all logged features)	AVERAGE DEFECT SPACING (mm) 10 30 100 300 1000 3000
HQ3		100	100	230			Very fine grained, dark grey, massive.	FR		230.28: J, 20°, CN, UN, RF 230.49: J, 20°, gn SN-CN, ST, RF 230.68: J, 20°, CN, ST, RF	
		100	100		231.00						
		100	100	231	231.15 652.71 231.35 652.53		GRANITE: fine to medium grained, pale grey to dark grey and white, crystalline, massive, altered, frequent mafic inclusions present. Fine grained, dark grey. BASALT: very fine grained, dark grey, massive. Medium to coarse grained.			231.17: J, 20°, CN, PR, SM	
				232						231.50-231.90: Vs x5, 40°, wh VN, PR-CU, 16 mm 232.05: J, 70°, gn CN, PR, SM	
		100	100	233						232.70: J, 40°, CN, PR-ST	
					233.35 233.40					233.27: J, 50°, CN, PR-CU, RF 233.40: J, 70°, wh, pk, mi Qtz VN, PR, RF	
				234	650.72		Fine to coarse grained, dark grey and white, crystalline, massive. GRANITE: coarse to very coarse grained, dark grey mottled grey, crystalline, massive, altered, frequent mafic inclusions present.			234.00-234.29: J, 20°, rd, pk CN-SN, PR, RF	
				235						234.92: J, 20°, gn CN-SN, UN, RF 234.14-236.14: J, 20°, pk, IR, RF 235.35: J, 10°, pk CN-SN, PR, RF	
					235.50 648.87		LAMPROPHYRE: fine to medium grained, dark grey, porphyritic, massive.			235.58: J, 30°, CN, UN, RF	
		100	100	236	236.00					236.00-236.42: Vs x3, 65°, pk VN, PR, 5 mm 236.54: J, 45°, CN, PR, RF	
				237						237.16-237.37: AZ, 45°, multiples healed joints and alteration. VN, IR	
										237.72: J, 45°, CN, PR, RF	
				238						238.17: J, 30°, CN, ST-IR, RF 238.42: J, 25°, CN, ST-IR	
		100	100							238.68: J, 10°, rd CN-SN, ST-IR	
				239						238.97: J, 10°, CN, PR	
										239.35-239.38: J, 10°, CN, UN	
				240						239.70: J, 15°, CN, UN	

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BOREHOLE: BHT-203

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	26 OF 44
Location:	Netherdale/Dalrymple Heights	Coords:	656540.2 m E 7664631.2 m N MGA2020-55		
Client:	Queensland Hydro	Surface RL:	856.80 m AHD	Date Started:	18/7/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: TH10	Date Completed:	5/8/2024
		Inclination:	-62° Direction: 237°	Logged:	DG/LH/PT/SB

Drilling						Field Material Description				Defect Information	
METHOD	WATER	TCR	RQD	DEPTH (metres)	DEPTH RL	GRAPHIC LOG	ROCK / SOIL MATERIAL DESCRIPTION	WEATHERING	INFERRED STRENGTH (MPa) ■ - UCS	DEFECT DESCRIPTION & Additional Observations (Core partings shown - refer to Detailed Defect Descriptions table for all logged features)	AVERAGE DEFECT SPACING (mm)
HQ3		100	100	240			GRANITE: coarse to very coarse grained, dark grey mottled grey, crystalline, massive, altered, frequent mafic inclusions present.	FR	VL -2 L -6 M -20 H -60 VH -200 EH	239.96: J, 70°, CN, PR-ST, RF 240.09: J, 5°, SN, ST-PR, RF 240.40: J, 10°, CN, ST-PR, RF	10 30 100 300 1000 3000
		100	100	241							
		100	100	242						242.35: J, 30°, CN, PR, RF-SM	
		100	100	243						243.45-243.50: Vs x4, 30°, gn VN, UN-PR, 13 mm 243.78-243.83: Vs x2, 65°, gn VN, PR, 5 mm	
		100	100	244						244.00-244.55: Vs x4, 40°, gn, bk VN, PR, 5 mm 244.68-244.95: Vs x2, 65°, wh, pk VN-SN, PR, 5 mm	
		100	100	245							
		100	100	246							
		100	100	247						246.89: J, 20°, CN, PR 247.29: J, 60°, CN, IR-ST, VR	
		100	100	248						248.26: J, 50°, rd SN-CN, PR	
		100	100	249						249.00-249.10: J, 30°, CN, PR	
		100	100	250						249.78-249.93: Vs x4, 35°, gn, wh VN, UN, 5 mm	

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BOREHOLE: BHT-203

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	27 OF 44
Location:	Netherdale/Dalrymple Heights	Coords:	656540.2 m E 7664631.2 m N MGA2020-55		
Client:	Queensland Hydro	Surface RL:	856.80 m AHD	Date Started:	18/7/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: TH10	Date Completed:	5/8/2024
		Inclination:	-62° Direction: 237°	Logged:	DG/LH/PT/SB

Drilling						Field Material Description				Defect Information	
METHOD	WATER	TCR	RQD	DEPTH (metres)	DEPTH RL	GRAPHIC LOG	ROCK / SOIL MATERIAL DESCRIPTION	WEATHERING	INFERRED STRENGTH (MPa) ■ - UCS VL .2 L .6 M .20 H .60 VH .200 EH	DEFECT DESCRIPTION & Additional Observations (Core partings shown - refer to Detailed Defect Descriptions table for all logged features)	AVERAGE DEFECT SPACING (mm) 10 30 100 300 1000 3000
HQ3		100	100	250			GRANITE: coarse to very coarse grained, dark grey mottled grey, crystalline, massive, altered, frequent mafic inclusions present.	FR			
				251							
					251.56 634.69		Fine to medium grained, phenocrystals of black(hornblende) and (plagioclase) dioritic compositions..			251.94: J, 35°, pk VN-SN, PR, 5 mm 251.48-252.70: Vs x3, 55°, pk VN, UN, 5 mm	
				252							
				253	*253.10* 633.33		Moderately altered pale-green to yellow.			252.81: J, 20°, CN, UN, RF 252.83-252.95: Vs x2, 40°, bk VN, UN, 5 mm 253.20: J, 40°, gn CN, PR 253.42: J, 45°, gn SN, UN	
					253.60 632.88		Slightly altered pale green-yellow.			253.60-253.68: J, 30°, rd VN-SN, UN, RF, 10 mm 253.84: J, 40°, rd VN, PR	
		100	100	254							
				255						255.29-255.40: Vs x2, 20°, wh, pk, gn VN, CU-UN, 5 mm	
				256							
										256.43: J, 30°, pk SN, ST-IR, RF	
		100	100	257							
										257.68: J, 35°, CN, ST, RF	
				258							
					258.50 628.56		Slightly altered pale green-yellow.				
				259							
		100	100								
				260	*260.00*					259.86: J, 10°, CN, PR	

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BOREHOLE: BHT-203

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	28 OF 44
Location:	Netherdale/Dalrymple Heights	Coords:	656540.2 m E 7664631.2 m N MGA2020-55		
Client:	Queensland Hydro	Surface RL:	856.80 m AHD	Date Started:	18/7/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: TH10	Date Completed:	5/8/2024
		Inclination:	-62° Direction: 237°	Logged:	DG/LH/PT/SB

Drilling						Field Material Description				Defect Information	
METHOD	WATER	TCR	RQD	DEPTH (metres)	DEPTH RL	GRAPHIC LOG	ROCK / SOIL MATERIAL DESCRIPTION	WEATHERING	INFERRED STRENGTH (MPa) ■ - UCS	DEFECT DESCRIPTION & Additional Observations (Core partings shown - refer to Detailed Defect Descriptions table for all logged features)	AVERAGE DEFECT SPACING (mm)
HQ3		100	100	260	627.23		GRANITE: fine to medium grained, dark grey mottled grey, crystalline, massive, slightly altered pale green-yellow, phenocrystals of black(hornblende) and withe (plagioclase) dioritic compositions..	FR		260.05-260.06: J, 10°, pk SN-CN, UN-IR, RF	
				261							
		100	100	262						262.75: J, 25°, CN, PR, RF	
				263						263.43: J, 20°, pink CN, PR, RF 263.64-263.65: J, 20°, pink CN, ST, RF	
				264			264.00-265.00m: slightly to moderately altered brown mottled pale-green and yellow			263.90: J, 80°, rd, gn SN, PR, PO 264.18: J, 70°, pk SN, UN, SM	
				265	265.00 622.82		LAMPROPHYRE: fine to medium grained, dark grey to black, porphyritic, dark phenocrystals.			264.00-265.50: Vs x2, 45°, bk, gn VN, PR, 7 mm 265.35: J, 45°, CN, UN-PR 265.58: J, 60°, CN, PR, RF-SM	
		100	100	266						265.75-265.97: J, 70°, gn, rd CN-SN, PR, SM 266.24: J, 20°, CN, CU, RF 266.56: J, 60°, CN, UN 266.76: J, 60°, CN, PR, SM	
				267	267.50					267.33: J, 45°, CN, UN-IR	
					620.61		BASALT: fine grained, dark grey to black, crystalline.			267.56: J, 20°, CN, PR, SM 267.75: J, 65°, CN, PR-ST, SM	
		100	100	268						268.55: J, 75°, gn SN, PR, SM	
				269						269.64: J, 30°, CN, PR, SM	
				270							

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BOREHOLE: BHT-203

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	29 OF 44
Location:	Netherdale/Dalrymple Heights	Coords:	656540.2 m E 7664631.2 m N MGA2020-55		
Client:	Queensland Hydro	Surface RL:	856.80 m AHD	Date Started:	18/7/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: TH10	Date Completed:	5/8/2024
		Inclination:	-62° Direction: 237°	Logged:	DG/LH/PT/SB

Drilling						Field Material Description				Defect Information	
METHOD	WATER	TCR	RQD	DEPTH (metres)	DEPTH RL	GRAPHIC LOG	ROCK / SOIL MATERIAL DESCRIPTION	WEATHERING	INFERRED STRENGTH (MPa) ■ - UCS VL .2 L .6 M .20 H .60 VH .200 EH	DEFECT DESCRIPTION & Additional Observations (Core partings shown - refer to Detailed Defect Descriptions table for all logged features)	AVERAGE DEFECT SPACING (mm) 10 30 100 300 1000 3000
HQ3		100	100	270			BASALT: fine grained, dark grey to black, crystalline.	FR		270.42: J, 40°, CN, PR-UN 270.60: J, 80°, CN, PR, SM 270.78: J, 70°, CN, PR, SM	
		100	100	271						271.68: J, 30°, CN, IR-UN	
		100	100	272						271.95-271.99: J, 70°, CN, PR, SM 272.18: J, 80°, gn SN, PR, SM	
		100	100	273						272.45-272.94: J, 40°, CN, PR, SM 273.40: J, 20°, CN, PR, RF	
		100	100	274						273.89: J, 30°, CN, PR, SM	
		100	100	275						274.49: J, 35°, CN, PR, SM 275.03: J, 40°, CN, PR 275.13: J, 75°, gn SN, PR, SM 275.30: J, 75°, VN, PR, SM	
		100	100	276						276.57: J, 70°, CN, PR, SM 275.05-278.50: Js x2, 75°, gn CN-SN, PR, SM	
		100	100	277						277.12-277.91: J, 20°, CN, PR, SM 277.43-277.90: Js x3, 30°, CN, PR	
		100	100	278						278.30: J, 25°, gn SN, PR, SM	
		100	100	279						279.00-279.70: J, 70°, rd, yl gn SN, PR 279.80: J, 30°, CN, PR, SM	
				280							

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BOREHOLE: BHT-203

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	30 OF 44
Location:	Netherdale/Dalrymple Heights	Coords:	656540.2 m E 7664631.2 m N MGA2020-55		
Client:	Queensland Hydro	Surface RL:	856.80 m AHD	Date Started:	18/7/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: TH10	Date Completed:	5/8/2024
		Inclination:	-62° Direction: 237°	Logged:	DG/LH/PT/SB

Drilling						Field Material Description				Defect Information	
METHOD	WATER	TCR	RQD	DEPTH (metres)	DEPTH RL	GRAPHIC LOG	ROCK / SOIL MATERIAL DESCRIPTION	WEATHERING	INFERRED STRENGTH (MPa) ■ - UCS VL 2 L 6 M 20 H 60 VH 200 EH	DEFECT DESCRIPTION & Additional Observations (Core partings shown - refer to Detailed Defect Descriptions table for all logged features)	AVERAGE DEFECT SPACING (mm) 10 30 100 300 1000 3000
HQ3		100	100	280			BASALT: fine grained, dark grey to black, crystalline.	FR		280.00-280.90: J, 45°, CN, PR, SM	
				281	281.00						
					280.75		LAMPROPHYRE: very fine to fine grained, dark grey to black, porphyritic, dark phenocrysts have multiples veins with pyrite.				
					608.56		Rock mineralised and altered.			281.52: J, 60°, CN, PR, SM-RF	
					282.00						
				282	607.81		BASALT: fine grained, dark grey to black, massive.				
					282.60						
					607.28		Epidote massive / zonation. pyrite massive.			282.70: J, 20°, CN, ST	
				283						283.28: J, 40°, VN, CU-PR, SM 283.00-283.63: J, 40°, gn SN, PR, SM	
		100	100	284						283.94: J, 35°, gn SN, PR, SM-PO	
										284.44: J, 40°, wh SN, PR, SM 284.25-284.95: J, 75°, gn SN, PR, PO-SM 284.66-284.83: Vs x3, 80°, wh SN, PR 284.55-284.95: J, 40°, gn SN, PR, PO-SM 284.80: J, 70°, wh, mi Qtz VN, PR, PO-SM 284.90: J, 70°, gn SN, ST, SM-PO	
				285						285.10-285.38: J, 70°, gn SN, PR, PO-SM 285.28: J, 40°, gn SN, PR, PO-SM	
					285.50						
					604.72		With dark phenocrysts between 2mm and 6 mm.			285.50: J, 80°, gn SN, ST-PR, PO-SM	
				286						285.86: J, 45°, CN, PR, SM 286.14: J, 80°, gn SN, PR, SM 286.33: J, 40°, CN, UN, SM	
		100	100	287						286.70: J, 80°, gn SN, PR, SM 286.97: J, 45°, CN, PR, SM 287.10: J, 80°, gn SN, PR, SM 287.28: J, 45°, gn SN, PR, SM 287.48-287.49: J, 45°, gn SN, PR-UN, SM	
				288						287.90: J, 45°, CN, PR, SM 288.20: J, 30°, gn SN, PR, SM 288.50: J, 45°, CN, PR, SM	
		100	100	289						289.20: J, 25°, CN, PR, SM 289.28: J, 70°, CN, PR, SM 289.40: J, 72°, gn SN, PR, SM	
				290						289.80: J, 75°, gn SN, PR, SM	

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BOREHOLE: BHT-203

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	31 OF 44
Location:	Netherdale/Dalrymple Heights	Coords:	656540.2 m E 7664631.2 m N MGA2020-55		
Client:	Queensland Hydro	Surface RL:	856.80 m AHD	Date Started:	18/7/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: TH10	Date Completed:	5/8/2024
		Inclination:	-62° Direction: 237°	Logged:	DG/LH/PT/SB

Drilling						Field Material Description				Defect Information	
METHOD	WATER	TCR	RQD	DEPTH (metres)	DEPTH RL	GRAPHIC LOG	ROCK / SOIL MATERIAL DESCRIPTION	WEATHERING	INFERRED STRENGTH (MPa) ■ - UCS	DEFECT DESCRIPTION & Additional Observations (Core partings shown - refer to Detailed Defect Descriptions table for all logged features)	AVERAGE DEFECT SPACING (mm)
HQ3		100	100	290			With dark phenocrysts between 2mm and 6 mm.	FR		289.95: J, 40°, CN, PR, SM 290.18: J, 75°, gn SN, PR, SM 290.05-291.01: Js x4, 45°, CN, PR, SM	
				291							
				292						292.00-293.00: Js x3, 85°, gn, wh SN, IR-ST, SM 292.40-292.67: J, 70°, gn SN, PR, SM	
		100	100	293	293.02 598.08		GRANITE: medium to coarse grained, dark grey mottled grey, crystalline, massive, highly altered.				
				294						293.88: J, 10°, pk SN-CN, PR, RF-SM 292.20-296.10: AZ, 45°, multiples healed joints with different direction SN-VN, IR	
		100	100	295	294.70 596.60		BASALT: fine grained, dark grey, massive, intercalate with granite.			294.70-294.94: AZ, 50°, multiples Healed joints in different direction VN, PR-IR 295.20: J, 20°, CN, PR, PO-SM	
		100	100	296						296.56: J, 20°, CN, UN, SM	
				297						296.86: J, 65°, CN, PR, SM 296.93: J, 30°, CN, PR, SM	
		100	100	298	298.80 592.98		Slightly altered.			297.50-297.95: J, 70°, qtz CN, PR, SM 298.02-298.05: J, 70°, qtz CN, PR, SM 298.20: J, 80°, CN, PR, SM	
				299						299.07: J, wh CN, PR-CU, SM	
				300	300.00						

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BOREHOLE: BHT-203

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	32 OF 44
Location:	Netherdale/Dalrymple Heights	Coords:	656540.2 m E 7664631.2 m N MGA2020-55		
Client:	Queensland Hydro	Surface RL:	856.80 m AHD	Date Started:	18/7/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: TH10	Date Completed:	5/8/2024
		Inclination:	-62° Direction: 237°	Logged:	DG/LH/PT/SB

Drilling						Field Material Description				Defect Information	
METHOD	WATER	TCR	RQD	DEPTH (metres)	DEPTH RL	GRAPHIC LOG	ROCK / SOIL MATERIAL DESCRIPTION	WEATHERING	INFERRED STRENGTH (MPa) ■ - UCS	DEFECT DESCRIPTION & Additional Observations (Core partings shown - refer to Detailed Defect Descriptions table for all logged features)	AVERAGE DEFECT SPACING (mm)
HQ3		100	100	300	591.92		BASALT: fine grained, dark grey, massive, slightly altered.	FR		299.85-300.09: Vs x4, 35°, wh, pk VN, PR-CU 300.18: J, 75°, gn, wh CN-SN, PR, SM 300.64: J, 10°, CN, PR, SM-RF 301.15: J, 5°, CN, PR, green epidote 301.72: J, 30°, CN, PR-ST 301.92: J, 70°, VN-SN, PR, SM-PO, white green 302.52: J, 25°, CN, UN, RF 302.98: J, 45°, CN, PR, SM 303.05: J, 60°, CN, PR, RF, joint is wh, up to 2mm, vein is wh mi, up to 2mm 303.40: J, 5°, CN, UN, RF, up to 1mm 303.55: J, 20°, CN, ST-UN, RF, open up to 10mm 304.07-304.18: Js, 50°, IR, RF-VR-SL, wh,gr, x3 304.27: J, 70°, VN, PR-UN, RF, wh 304.30-304.38: Vs, 25°, VN, PR-UN, wh mi, x3 304.42: J, 75°, VN, PR, SM-RF, green veneer 305.45: J, 20°, CN, PR 305.70: J, 5°, CN, IR, RF-SM 305.72-306.00: Vs, 60°, PR-UN, grey mi, 3 to 12 mm 305.96-306.15: Vs, 70°, UN, grey, less than 5mm 306.34: J, 30°, CN, UN, RF 308.14-308.25: Js, 15°, SN-VN, CU, SM, white/pink stains 308.84-308.95: Js, 10°, CN, CU-UN, RF, x3 309.41: J, 75°, VN, PR-CU, SM, qz 2-4mm 309.44: J, 60°, VN, CU-UN, SM, qz vein 309.58: J, 5°, CN, UN-ST, RF	
		100	100	302							
		100	100	305	304.40						
		100	100	308	588.03		GRANITE: medium to coarse grained, grey mottled, crystalline, massive, slightly altered pale green-yellow.				
		100	100	309	305.26						
					308.84						
					584.11		BASALT: fine grained, dark grey, massive.				

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BOREHOLE: BHT-203

		Position:	Upper Reservoir	Sheet	33 OF 44
Project:	Pioneer-Burdekin PHES	Coords:	656540.2 m E 7664631.2 m N MGA2020-55		
Location:	Netherdale/Dalrymple Heights	Surface RL:	856.80 m AHD	Date Started:	18/7/2024
Client:	Queensland Hydro	Contractor:	Twin Hills Engineering & Drilling Drill Rig: TH10	Date Completed:	5/8/2024
Job No.:	PS138693	Inclination:	-62° Direction: 237°	Logged:	DG/LH/PT/SB

Drilling						Field Material Description				Defect Information	
METHOD	WATER	TCR	RQD	DEPTH (metres)	DEPTH RL	GRAPHIC LOG	ROCK / SOIL MATERIAL DESCRIPTION	WEATHERING	INFERRED STRENGTH (MPa) ■ - UCS VL -2 L -6 M -20 H -60 VH -200 EH	DEFECT DESCRIPTION & Additional Observations (Core partings shown - refer to Detailed Defect Descriptions table for all logged features)	AVERAGE DEFECT SPACING (mm) 10 30 100 300 1000 3000
HQ3		100	100	310			BASALT: fine grained, dark grey, massive.	FR		310.35: J, 10°, CN, CU, RF	
				311							
				312						311.87: J, 40°, CN-SN, PR, RF-SM, pink	
				313							
		100	100	314							
				315							
				316						315.64: Vs x2, 70°, wh VN, PR, 2 mm 315.73: J, 5°, CN, ST-IR, RF 316.20: J, 50°, CN, CU, RF	
		100	100	317						317.23: J, 20°, CN, PR, SM 317.54: J, CN, IR, RF	
				318						317.92: J, 10°, CN, IR, RF 318.32: J, 5°, CN, CU, RF	
		100	100	319						319.00: J, 60°, CN, PR, RF 319.45: J, 5°, CN, PR, RF 319.60: J, 70°, CN, PR, RF 319.68: VN, 30°, wh, mi Qtz, yl CT, PR, 20 mm	
				320							

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BOREHOLE: BHT-203

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	34 OF 44
Location:	Netherdale/Dalrymple Heights	Coords:	656540.2 m E 7664631.2 m N MGA2020-55		
Client:	Queensland Hydro	Surface RL:	856.80 m AHD	Date Started:	18/7/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: TH10	Date Completed:	5/8/2024
		Inclination:	-62° Direction: 237°	Logged:	DG/LH/PT/SB

Drilling						Field Material Description				Defect Information	
METHOD	WATER	TCR	RQD	DEPTH (metres)	DEPTH RL	GRAPHIC LOG	ROCK / SOIL MATERIAL DESCRIPTION	WEATHERING	INFERRED STRENGTH (MPa) ■ - UCS VL -2 L -6 M -20 H -60 VH -200 EH	DEFECT DESCRIPTION & Additional Observations (Core partings shown - refer to Detailed Defect Descriptions table for all logged features)	AVERAGE DEFECT SPACING (mm) 10 30 100 300 1000 3000
HQ3		100	100	320			BASALT: fine grained, dark grey, massive.	FR		320.54: VN, 10°, wh, mi Qtz CT, PR, 2 mm 320.69: J, 10°, CN, PR, RF 320.72: J, 10°, CN, IR, RF 320.73: J, 70°, CN, PR, SM 320.90: J, 5°, CN, PR, SM 321.13: J, 30°, CN, CU, SM	
				321						321.34: J, 5°, CN, CU, SM	
				322						322.24: J, 5°, CN, IR, RF	
		100	100	323						322.71: J, 5°, CN, CU, RF 323.18: J, 10°, CN, IR, RF 323.26: J, 20°, CN, PR, SM 323.34: J, 30°, CN, PR, SM 323.50: J, 45°, CN, PR, RF-SM	
				324	324.24 570.51		Pyrite mineralisation throughout.				
				325							
					325.76 569.17		GRANITE: medium to coarse grained, white mottled dark grey, crystalline, massive, slightly altered pale green-yellow around veins.				
		100	100	326						326.63: J, 60°, CN, CU, RF	
				327						327.45: J, 30°, CN, PR, SM	
				328						328.37: J, 40°, CN, UN, SM 328.51: J, 30°, CN, UN, SM	
		100	100	329							
				330							

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BOREHOLE: BHT-203

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	35 OF 44
Location:	Netherdale/Dalrymple Heights	Coords:	656540.2 m E 7664631.2 m N MGA2020-55		
Client:	Queensland Hydro	Surface RL:	856.80 m AHD	Date Started:	18/7/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: TH10	Date Completed:	5/8/2024
		Inclination:	-62° Direction: 237°	Logged:	DG/LH/PT/SB

Drilling						Field Material Description				Defect Information	
METHOD	WATER	TCR	RQD	DEPTH (metres)	DEPTH RL	GRAPHIC LOG	ROCK / SOIL MATERIAL DESCRIPTION	WEATHERING	INFERRED STRENGTH (MPa) ■ - UCS	DEFECT DESCRIPTION & Additional Observations (Core partings shown - refer to Detailed Defect Descriptions table for all logged features)	AVERAGE DEFECT SPACING (mm)
HQ3		100	100	330			GRANITE: medium to coarse grained, white mottled dark grey, crystalline, massive, slightly altered pale green-yellow around veins.	FR	VL .2 L .6 M .20 H .60 VH .200 EH		10 30 100 300 1000 3000
				331	331.40						
		100	100	332	564.19		MIXED LAMPROPHYRE AND GRANITE: lamprophyre is fine to medium grained, dark grey, crystalline, masssive, granite is medium to coarse grained, dark grey, grey, white, crystalline, massive, slightly to moderately altered, slightly altered pink and green altered around white-qtz veins.			332.67: J, 30°, CN, UN, RF	
				333						333.28: J, 10°, CN, IR, RF 333.49: J, 5°, CN, IR, RF	
				334						333.82: J, 10°, CN, IR, RF	
		100	100	335						334.78: J, 30°, CN, IR, RF	
				336							
				337						336.84: J, 10°, CN, IR, RF 336.91: J, 90°, CN, UN, RF 337.06-337.24: J, 10°, CN, UN-ST, RF	
		100	100	338						337.74-337.79: J, 20°, white SN, PR, RF 338.37: J, 20°, CN, CU, RF	
				339							
		100	100	340	340.00					339.48: J, 5°, CN, IR, RF	

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BOREHOLE: BHT-203

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	36 OF 44
Location:	Netherdale/Dalrymple Heights	Coords:	656540.2 m E 7664631.2 m N MGA2020-55		
Client:	Queensland Hydro	Surface RL:	856.80 m AHD	Date Started:	18/7/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: TH10	Date Completed:	5/8/2024
		Inclination:	-62° Direction: 237°	Logged:	DG/LH/PT/SB

Drilling						Field Material Description				Defect Information	
METHOD	WATER	TCR	RQD	DEPTH (metres)	DEPTH RL	GRAPHIC LOG	ROCK / SOIL MATERIAL DESCRIPTION	WEATHERING	INFERRED STRENGTH (MPa) ■ - UCS VL -2 L -6 M -20 H -60 VH -200 EH -200	DEFECT DESCRIPTION & Additional Observations (Core partings shown - refer to Detailed Defect Descriptions table for all logged features)	AVERAGE DEFECT SPACING (mm) 10 30 100 300 1000 3000
HQ3		100	100	340	556.60		GRANITE: medium to coarse grained, dark grey mottled grey, crystalline, massive, 342.94-343.08m highly altered zone, slightly altered pink and green around veins.	FR			
				341						341.42: J, 70°, wh, mi Qtz VN, PR, RF	
				342						342.26: J, 10°, wh, mi Qtz VN, PR, SM	
		100	100	343						342.84: J, 10°, wh, mi Qtz CT, UN, RF, 3 mm 343.02: J, 30°, wh, mi Qtz CT, PR, RF, 2 mm 343.03: J, 90°, wh, mi Qtz CT, PR, RF, 2 mm 343.33: J, 10°, wh, mi Qtz, rd CT, PR, RF, 5 mm 343.60: Vs x2, 5°, wh, mi Qtz VN, PR, 1 mm	
		100	100	344							
				345						344.94: J, 10°, wh, Qtz VN, UN, SM 345.37: J, 20°, wh, Qtz VN, CU, RF	
				346						345.76: J, 10°, wh, Qtz, and rd SN, PR, SM 346.12: J, 10°, rd SN, CU, RF	
		100	100	347	347.17						
					550.27		LAMPROPHYRE: fine to medium grained, dark grey to green, black, porphyritic, massive, phenocrysts to 2 mm diameter.			347.17: J, 20°, CN, ST, SM 347.23: J, 10°, wh VN, PR, SM 297.20-397.48: FZ, 45°, CN, IR-PR, SM-PO, multiples jts and potasic alteration 347.60: J, 20°, wh VN, PR, SM	
				348						347.93: J, 20°, wh VN, PR, SM	
				349						348.39: J, 70°, CN, PR, RF 348.55: J, 40°, wh VN, PR, RF 348.56: J, 80°, CN, PR, RF 349.08: J, 30°, wh VN, PR, SM	
		100	100							349.47: J, 45°, CN, PR, RF	
				350	350.00					349.90: J, 20°, wh SN, PR, RF	

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BOREHOLE: BHT-203

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	37 OF 44
Location:	Netherdale/Dalrymple Heights	Coords:	656540.2 m E 7664631.2 m N MGA2020-55		
Client:	Queensland Hydro	Surface RL:	856.80 m AHD	Date Started:	18/7/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: TH10	Date Completed:	5/8/2024
		Inclination:	-62° Direction: 237°	Logged:	DG/LH/PT/SB

Drilling						Field Material Description				Defect Information	
METHOD	WATER	TCR	RQD	DEPTH (metres)	DEPTH RL	GRAPHIC LOG	ROCK / SOIL MATERIAL DESCRIPTION	WEATHERING	INFERRED STRENGTH (MPa) ■ - UCS VL .2 L .6 M 2 H 6 VH 20 EH 200	DEFECT DESCRIPTION & Additional Observations (Core partings shown - refer to Detailed Defect Descriptions table for all logged features)	AVERAGE DEFECT SPACING (mm) 10 30 100 300 1000 3000
HQ3		100	100	350	350.18		LAMPROPHYRE: fine to medium grained, dark grey to green, black, porphyritic, massive, phenocrysts to 2 mm diameter.	FR		350.05: J, wh, mi Qtz VN, PR, SM	
					547.61		GRANITE: coarse grained, dark grey mottled grey, crystalline, massive, slightly altered around veins.			350.50: J, 45°, CN, PR, RF	
				351						351.25: J, 20°, CN, PR-CU, RF	
					351.56					351.43: J, CN, IR, RF	
					546.39		MICROGRANITE: fine to medium grained, grey mottled black, phaneritic, massive, black phenocrysts to 5 mm diameter, doleritic composition.				
				352						352.15: J, 20°, CT, PR, RF	
					352.90					352.40: VN, 80°, pale yl SN, PR, 5 mm	
		100	100	353	545.21		GRANITE: coarse grained, dark grey mottled grey, crystalline, massive, slightly altered around veins.				
										353.72: VN, 10°, gn, bk VN, PR	
										353.75: J, 70°, wh, mi Qtz with rd alteration VN, PR, RF	
				354						354.20: J, 10°, CN, CU, RF	
										354.35: J, 10°, CN, CU, RF	
										354.64: J, 5°, white green 6mm vein VN, PR, SM	
				355							
										355.63: J, 10°, CN, PR, SM	
										355.64: VN, 70°, wh mi Qtz with grn alteration SN, PR	
		100	100	356	356.06						
					356.26		Fine to medium grained.				
					542.24		Slightly altered pale-green to yellow, slightly altered around veins.				
										356.60: J, 60°, SN, PR, RF	
										356.50-356.98: Vs x2, 80°, bk with pale yl halo SN, PR	
				357						357.25: J, CN, PR, RF	
										357.68: J, 40°, CN, PR-CU, RF	
				358							
										358.46: J, 70°, CN, PR-CU, RF	
		100	100	359							
										359.40: J, 80°, CN, PR-CU, RF	
				360	360.00						

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BOREHOLE: BHT-203

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	38 OF 44
Location:	Netherdale/Dalrymple Heights	Coords:	656540.2 m E 7664631.2 m N MGA2020-55		
Client:	Queensland Hydro	Surface RL:	856.80 m AHD	Date Started:	18/7/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: TH10	Date Completed:	5/8/2024
		Inclination:	-62° Direction: 237°	Logged:	DG/LH/PT/SB

Drilling						Field Material Description				Defect Information	
METHOD	WATER	TCR	RQD	DEPTH (metres)	DEPTH RL	GRAPHIC LOG	ROCK / SOIL MATERIAL DESCRIPTION	WEATHERING	INFERRED STRENGTH (MPa) ■ - UCS VL -2 L -6 M -20 H -60 VH -200 EH	DEFECT DESCRIPTION & Additional Observations (Core partings shown - refer to Detailed Defect Descriptions table for all logged features)	AVERAGE DEFECT SPACING (mm) 10 30 100 300 1000 3000
HQ3		100	100	360	538.94		GRANITE: coarse grained, dark grey mottled grey, crystalline, massive, slightly altered around veins.	FR		360.10: J, 30°, CN, PR-CU, RF	
		100	100	361							
		100	100	362							
		100	100	363						363.10: J, 20°, CN, PR, RF 363.52: J, 30°, wh VN, PR, RF 363.71: J, 30°, wh VN, PR, RF	
		100	100	364							
		100	100	365						365.13: J, 40°, wh VN, PR, RF 365.25: J, 30°, pale yl CN, PR-CU, RF	
		100	100	366						365.78-366.18: Vs x3, 85°, pale yl CT, PR-CU, 2 mm	
		100	100	367							
		100	100	368							
		100	100	369						368.97: J, 20°, CN, PR, RF 369.17: J, 10°, CN, PR-CU, RF	
		100	100	370	370.00					369.82: VN, 70°, wh mi Qtz VN, PR, 1 mm	

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BOREHOLE: BHT-203

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	39 OF 44
Location:	Netherdale/Dalrymple Heights	Coords:	656540.2 m E 7664631.2 m N MGA2020-55		
Client:	Queensland Hydro	Surface RL:	856.80 m AHD	Date Started:	18/7/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: TH10	Date Completed:	5/8/2024
		Inclination:	-62° Direction: 237°	Logged:	DG/LH/PT/SB

Drilling						Field Material Description				Defect Information	
METHOD	WATER	TCR	RQD	DEPTH (metres)	DEPTH RL	GRAPHIC LOG	ROCK / SOIL MATERIAL DESCRIPTION	WEATHERING	INFERRED STRENGTH (MPa) ■ - UCS	DEFECT DESCRIPTION & Additional Observations (Core partings shown - refer to Detailed Defect Descriptions table for all logged features)	AVERAGE DEFECT SPACING (mm)
HQ3		100	100	370	530.11		GRANITE: coarse grained, dark grey mottled grey, crystalline, massive, altered, mafic inclusions present, slightly altered around veins.	FR			
				371	371.20						
		100	100		529.05		Moderately altered zone because 20mm qtz, gypsum,carb vein generating green alteration on the rock.				
					371.70						
					528.61		Slightly altered around veins.				
				372						372.22: J, 10°, CN, IR, RF	
										372.40: J, 10°, CN, IR, RF	
										372.74: J, 5°, CN, IR, RF	
				373							
		100	100	374						374.28: J, 20°, CN, CU, RF	
				375						374.90: Vs x2, 10°, wh mi Qtz and pale yl VN, PR 375.00: VN, 70°, pale yl CT, PR, 2 mm 375.15: J, 30°, CN, PR-CU, RF	
				376						375.67-375.70: Vs x2, 20°, bk CT, PR, 4 mm	
		100	98	377	377.15						
					523.80		Slightly to moderately altered.			377.15: J, 30°, CN, CU, RF	
					377.68						
					523.33		Moderately altered.				
				378							
				379							
		100	100		379.53						
					521.69		BASALT: fine grained, dark grey, crystalline, massive.				
				380	380.00						

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Comments

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BOREHOLE: BHT-203

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	40 OF 44
Location:	Netherdale/Dalrymple Heights	Coords:	656540.2 m E 7664631.2 m N MGA2020-55		
Client:	Queensland Hydro	Surface RL:	856.80 m AHD	Date Started:	18/7/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: TH10	Date Completed:	5/8/2024
		Inclination:	-62° Direction: 237°	Logged:	DG/LH/PT/SB

Drilling						Field Material Description				Defect Information	
METHOD	WATER	TCR	RQD	DEPTH (metres)	DEPTH RL	GRAPHIC LOG	ROCK / SOIL MATERIAL DESCRIPTION	WEATHERING	INFERRED STRENGTH (MPa) ■ - UCS	DEFECT DESCRIPTION & Additional Observations (Core partings shown - refer to Detailed Defect Descriptions table for all logged features)	AVERAGE DEFECT SPACING (mm)
HQ3		100	100	380	521.28		BASALT: fine grained, dark grey, crystalline, massive.	FR	VL 2 L 6 M 20 H 60 VH 200 EH	379.93: J, 20°, VN, PR, RF	10 30 100 300 1000 3000
					380.29						
					521.02		GRANITE: medium to coarse grained, pale brown and pale grey, massive, moderately altered pink and green.				
				381	*381.00*					380.80: J, 40°, CN, ST, RF	
					520.40		GRANITE: coarse grained, dark grey mottled grey, crystalline, massive.			381.18: J, 50°, qtz VN, PR, RF	
					381.85						
		100	100	382	519.65		MICROGRANITE: very fine to fine grained, pale grey, phaneritic, massive, phenocrysts of black and white minerals, pale green to yellow; moderately altered brown to orange.			382.78: J, 70°, CN, PR, RF	
				383							
										383.85: J, 30°, CN, PR, RF	
				384							
										384.42: J, 20°, CN, PR, RF	
				385							
		100	100	386						385.87: J, 60°, CN, PR, RF	
					386.62					386.55: J, 10°, CN, CU, RF	
					515.43		GRANITE: medium to coarse grained, dark grey mottled grey, crystalline, massive.				
				387						387.33: J, 10°, CN, IR, VR	
										387.50: J, 70°, wh mi, Qtz with pk alteration halo CT, PR, RF, 4 mm	
				388							
		100	100								
				389						389.13: J, 20°, CN, PR, RF	
				390							

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BOREHOLE: BHT-203

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	41 OF 44
Location:	Netherdale/Dalrymple Heights	Coords:	656540.2 m E 7664631.2 m N MGA2020-55		
Client:	Queensland Hydro	Surface RL:	856.80 m AHD	Date Started:	18/7/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: TH10	Date Completed:	5/8/2024
		Inclination:	-62° Direction: 237°	Logged:	DG/LH/PT/SB

Drilling						Field Material Description				Defect Information	
METHOD	WATER	TCR	RQD	DEPTH (metres)	DEPTH RL	GRAPHIC LOG	ROCK / SOIL MATERIAL DESCRIPTION	WEATHERING	INFERRED STRENGTH (MPa) ■ - UCS	DEFECT DESCRIPTION & Additional Observations (Core partings shown - refer to Detailed Defect Descriptions table for all logged features)	AVERAGE DEFECT SPACING (mm)
HQ3		100	100	390			GRANITE: medium to coarse grained, dark grey mottled grey, crystalline, massive.	FR	VL .2 L .6 M .20 H .60 VH .200 EH		10 30 100 300 1000 3000
				391							
		100	100	392						391.95: J, 70°, wh, mi Qtz with pk alteration CT, PR, RF, 3 mm	
					392.90						
				393	509.89		BASALT: very fine to fine grained, dark grey, massive.			392.95: J, 30°, wh, mi Qtz VN, PR, SM 393.00-393.12: J, 75°, wh, mi Qtz VN, PR, RF 393.13: J, 30°, wh, mi Qtz VN, PR, SM, 3 mm	
					393.31						
					509.53		GRANITE: coarse grained, dark grey mottled grey, crystalline, massive, slightly altered green around veins.				
				394							
					394.23						
					508.72		Grey mottled brown to orange, slightly altered.				
		100	98	395						394.85: J, 30°, wh, mi Qtz VN, PR, RF	
					395.70					395.47: J, 10°, CN, IR, RF	
					507.42		Dark grey, moderately altered.			395.64-395.68: J, 30°, CN, CU, RF	
				396							
										396.60: J, 10°, CN, PR, RF-SM	
				397						397.00-397.08: VN, 80°, wh VN, UN, 6 mm	
		118	118							397.63: J, 20°, wh VN, UN-PR, RF-SM	
		100	90	398						397.87: J, 20°, CN, PR, SM	
										398.25: J, 80°, pk SN, PR, RF-SM	
										398.77: J, 15°, pk SN, PR, PO	
				399							
					399.55					399.36: J, 20°, CN, PR, SM-RF 399.44: J, 20°, CN, PR, SM-RF	
		100	93		504.02						
				400							

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BOREHOLE: BHT-203

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	42 OF 44
Location:	Netherdale/Dalrymple Heights	Coords:	656540.2 m E 7664631.2 m N MGA2020-55		
Client:	Queensland Hydro	Surface RL:	856.80 m AHD	Date Started:	18/7/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: TH10	Date Completed:	5/8/2024
		Inclination:	-62° Direction: 237°	Logged:	DG/LH/PT/SB

Drilling						Field Material Description				Defect Information	
METHOD	WATER	TCR	RQD	DEPTH (metres)	DEPTH RL	GRAPHIC LOG	ROCK / SOIL MATERIAL DESCRIPTION	WEATHERING	INFERRED STRENGTH (MPa) ■ - UCS	DEFECT DESCRIPTION & Additional Observations (Core partings shown - refer to Detailed Defect Descriptions table for all logged features)	AVERAGE DEFECT SPACING (mm)
HQ3		100	93	400			MIXED LAMPROPHYRE AND GRANITE: lamprophyre is fine to medium grained, dark grey mottled pale grey, crystalline, masssive, granite is medium to coarse grained, dark grey, mottled grey and pale grey, crystalline, massive, slightly to moderately altered, alteration halos observed around defects.	FR	VL -2 L -6 M -20 H -60 VH -200 EH	400.97: J, 20°, CN, PR-CU, RF	10 30 100 300 1000 3000
				401						401.66: J, 20°, CN, PR, RF	
				402						402.04-402.17: J x3, 10 - 20°, wh mi CT, UN, <=5 mm 402.23: J, 20°, br mi SN, UN, RF	
		100	100	403						402.63: J, 70°, CN, PR, SM	
				404							
				405	405.16						
					499.06		Slightly to moderately altered pink and brown.				
					405.50						
					498.76		Dark grey, slightly altered.				
					405.85						
					498.46		GRANITE: fine to medium grained, pale grey mottled dark grey, crystalline, massive, slightly altered brown, altered yellow halos around defects, phenocrysts of black and white minerals.				
		100	100	406						406.65: J, 35°, CN, PR, RF	
				407	407.00						
					497.44					407.36: J, 65°, CN, PR	
				408							
		100	95	409						408.94: J, 70°, wh VN-CT, PR-UN-ST, RF, 2 mm	
										409.59: J, 5°, pale or and dark gy CN, PR-UN, RF	
				410							

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Comments

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BOREHOLE: BHT-203

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	43 OF 44
Location:	Netherdale/Dalrymple Heights	Coords:	656540.2 m E 7664631.2 m N MGA2020-55		
Client:	Queensland Hydro	Surface RL:	856.80 m AHD	Date Started:	18/7/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: TH10	Date Completed:	5/8/2024
		Inclination:	-62° Direction: 237°	Logged:	DG/LH/PT/SB

Drilling						Field Material Description				Defect Information	
METHOD	WATER	TCR	RQD	DEPTH (metres)	DEPTH RL	GRAPHIC LOG	ROCK / SOIL MATERIAL DESCRIPTION	WEATHERING	INFERRED STRENGTH (MPa) ■ - UCS	DEFECT DESCRIPTION & Additional Observations (Core partings shown - refer to Detailed Defect Descriptions table for all logged features)	AVERAGE DEFECT SPACING (mm)
HQ3		100	95	410			GRANITE: fine to medium grained, pale grey mottled dark grey, crystalline, massive, slightly altered brown, altered yellow halos around defects, phenocrysts of black and white minerals.	FR	VL .2 L .6 M .20 H .60 VH .200 EH	410.54: J, 30°, dark gy CN, PR-UN, RF	10 30 100 300 1000 3000
				411						410.88: J, 10°, pale or and dark gy SN, PR-UN, RF	
					411.20 493.73		Brown alteration halos around defects.			411.39: J, 10°, dark gy and pale or CN, PR-UN, RF 411.42: J, 80°, wh, pale gy and pale or VN, PR-UN, RF	
				412							
					412.16 492.88		Slightly to moderately altered; dark gr and pale red/orange.			412.44: J, 5°, pale or and dark gy CN, PR-UN, RF	
		100	100	413						412.73: J, 5°, pale or and bk CN, PR-UN, RF 412.89: J, 10°, wh, dk gy and pl or CN-VN, CU-UN, RF 412.93: J, 10°, pl or and dk gy CN, PR-UN, RF	
										413.27: J, 5°, dk gy and pl or CN, PR-UN, RF 413.29: J, 5°, dk gy and pl or; wh infill mi CN-VN, PR-UN, RF 413.53: J, 5°, pl or and dk gy CN, PR-UN, RF 413.57: J, 5°, wh, pl or and dk gy CN-VN, PR-UN, RF 413.63: J, 5°, wh, pl or and dk gy CN-VN, PR-UN, RF 413.65: J, 5°, wh, pl or and dk gy CN-VN, PR-UN, RF	
				414						414.18: J, 5°, dk gy and pl gy CN, PR-UN, RF	
										414.46: J, 5°, dk and pl gy CN, UN-IR, RF	
				415							
		100	100	416						415.89: J, 5°, dark gy and pl gy CN, PR-UN, RF	
										416.20: J, 5°, dk gy and pl gn CN, PR, RF	
										416.53: J, 70°, wh VN, PR-UN, RF	
				417							
										417.30: J, 5°, dark gy and pale gy CN, PR-UN, RF	
				418						417.78: J, 5°, dark gy and pale gy CN, PR-UN, RF	
										418.33: J, pale br/or and dark gy CN, PR-UN, RF	
		100	100	419						418.59: J, 5°, dark gy and pale br CN, PR-UN, RF	
				420	420.00						

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Comments

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BOREHOLE: BHT-203

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	44 OF 44
Location:	Netherdale/Dalrymple Heights	Coords:	656540.2 m E 7664631.2 m N MGA2020-55		
Client:	Queensland Hydro	Surface RL:	856.80 m AHD	Date Started:	18/7/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: TH10	Date Completed:	5/8/2024
		Inclination:	-62° Direction: 237°	Logged:	DG/LH/PT/SB

Drilling						Field Material Description				Defect Information	
METHOD	WATER	TCR	RQD	DEPTH (metres)	DEPTH RL	GRAPHIC LOG	ROCK / SOIL MATERIAL DESCRIPTION	WEATHERING	INFERRED STRENGTH (MPa) ■ - UCS	DEFECT DESCRIPTION & Additional Observations (Core partings shown - refer to Detailed Defect Descriptions table for all logged features)	AVERAGE DEFECT SPACING (mm)
HQ3		100	100	420	485.96		GRANITE: fine to medium grained, pale grey mottled dark grey, crystalline, massive, slightly altered brown, altered yellow halos around defects, phenocrysts of black and white minerals.	FR			
					420.32						
					485.68		Slightly to moderately altered; dark gr and pale red/orange.			420.47: J, 10°, dark gy and pale br/red CN, PR-UN, RF	
				421			Pale grey mottled dark grey and dark grey to black.				
							Epidote/chlorite alteration.				
					421.50						
					484.64		BASALT: very fine to fine grained, dark grey, massive.			421.58: J, 10°, bk and dark gy mi CN, PR-UN, RF	
					422.00						
		100	100	422	*422.70*		GRANITE: medium to coarse grained, grey and dark grey, crystalline, massive.				
					484.11		Dark grey and white.			422.18: J, 65°, wh mi VN-CT, PR-UN, RF	
				423							
				424						424.24: J, 30°, CN, PR, SM-RF	
		100	100	425							
				426						426.34: J, 30°, CN, CU-PR, RF	
				427							
		100	100	428						427.80: J, 75°, pk SN-CN, PR, RF	
										428.27-428.27: J, 10°, gn, gy CT, PR, SM, 9 mm	
				429						429.00-429.50: AZ, 10°, gn SN, IR	
		100	100							429.73: J, 45°, CN, PR-UN, RF 429.84: J, 20°, CN, PR-IR, RF	
				430	*430.00*						

Comments: Hole Terminated at 430.00 m
Target depth. Vibrating Wire Piezometers Installed

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHT-203
Defects List

PointID	Depth	Bottom	Fracture Set	Defect Number	Type	Type Suffix	Dip Minimum (degrees)	Dip Maximum (degrees)	Infilling Material	Aperture Observation	Planarity	Roughness	Aperture Measurement Sign	Aperture Measurement	Aperture	Spacing	Remark
BHT-203	27.75	28.00			FZ				gy, br	VN	UN	RF					recovered as gravel
BHT-203	28.05	28.23			Js	x2	60		Fe sn	SN	PR	SM-RF					
BHT-203	28.30	28.45			Js	x4	40	60	br	SN	PR	RF					
BHT-203	28.64	28.84			J		70		or	SN	UN	SM-RF					
BHT-203	29.00	29.35			FZ		45			SN	IR						recovered as gravel
BHT-203	29.35	30.00			Js	x7	10	60	Qz	SN-VN	CU	RF					
BHT-203	29.50	30.50			hJs	x15	50		bk	SN	UN-CU						
BHT-203	30.00	30.97			hJ		45		wh	SN	UN						
BHT-203	30.10	30.20			V		40		Qz	VN	CU			10			
BHT-203	30.50				J		35		rd	SN	UN	RF					
BHT-203	30.60				V		50		gn	VN	UN			5			
BHT-203	30.65				J		25			CN	UN	RF					
BHT-203	30.92				hJ		45		rd	SN	PR						
BHT-203	31.00	31.40			hJs	x10	20		gn	SN	PR						
BHT-203	31.49				J		20			CN	CU	SM-RF					
BHT-203	31.95				J		70			CN	UN	RF					
BHT-203	32.00	32.65			J		30			CN	UN	RF					
BHT-203	32.07				J		30			CN	CU	RF					
BHT-203	32.10	32.40			hJs	x2	70		wh	VN	PR						
BHT-203	32.77				J		20			CN	UN	RF					
BHT-203	33.27				V		30		wh	VN	PR			5			
BHT-203	33.42				J		20			CN	UN	RF					
BHT-203	33.60				hJs	x8	45		bk		PR						
BHT-203	33.62				V		45		wh	VN	CU			5			
BHT-203	34.02				J		60			CN		RF					
BHT-203	34.12				J		45			CN	UN	RF					
BHT-203	34.15				J		70		wh	CN	PR	VR-RF					
BHT-203	34.44				J		70		rd	SN	PR	VR-RF					
BHT-203	34.93				V		60		wh	VN	UN			5			
BHT-203	35.00	35.40			hJs	x8	40		wh	SN	PR						
BHT-203	35.05				hJ		50		wh	VN	UN						
BHT-203	35.60				J		70			CN	UN	RF-SM					
BHT-203	35.70	35.93			V		60		wh	VN	PR			10			
BHT-203	35.75				V		30		wh	VN	UN			10			
BHT-203	36.00	36.50			Vs	x7	50		bk	VN	PR			5			
BHT-203	36.08				J		20			CN	PR	RF-SM					
BHT-203	36.30				J		70			CN	ST	RF-VR					
BHT-203	36.67				V		70		wh	VN	UN			5			
BHT-203	36.85	37.30			hJs	x21	30		wh		PR						
BHT-203	36.88				J		50			CN	UN	RF-SM					
BHT-203	36.89	39.89			V		50		wh yl	VN	UN			5			
BHT-203	37.15	38.00			Vs	x9	60		wh	VN	ST			5			
BHT-203	37.58				J		40		wh, Qz	CN	ST	VR					
BHT-203	37.60				V		70		wh	VN	ST			5			
BHT-203	38.30	39.20			hJs	x19	20		gn		UN						
BHT-203	38.44				V		15		gn	VN	ST			5			
BHT-203	38.84	39.50			V		80		wh	VN	UN			10			
BHT-203	38.85				J		50			CN	CU	SM					
BHT-203	39.00	39.60			V		80		wh	VN	UN			5			
BHT-203	39.32				J		15			CN	ST						
BHT-203	39.68				V		30		wh	VN	UN			5			
BHT-203	40.38	41.50			Js	x5	15			CN	CU	RF-SM					
BHT-203	40.74				J		40			CN	PR-UN	SM-RF					
BHT-203	40.87				V		40		wh	VN	CU			5			
BHT-203	41.04				V		50		wh, yl, mi, pyrite	VN	UN			5			
BHT-203	42.06				J		15			CN	UN	RF					
BHT-203	42.25	45.50			hJs	x5	20		yl		CU						
BHT-203	42.30				J		45			CN	ST	RF					
BHT-203	42.30	42.50			hJs	x9	20		rd	SN	UN						
BHT-203	42.45	42.50			Js	x2	20			CN	PR	RF-SM					
BHT-203	42.50	43.00			Vs	x4	75		wh	VN	PR			5			
BHT-203	42.70	43.00			hJs	x5	60		wh		PR						
BHT-203	43.00	44.00			J		45		x5	CN	UN	VR-SM-RF					
BHT-203	44.20				V		75		wh, bk	VN	CU			8			
BHT-203	44.25	44.70			hJs	x4	30		yl, bk		PR						
BHT-203	44.68				J		38			CN	PR	SM-RF					
BHT-203	45.33	45.45			J		65			CN	CU						
BHT-203	46.00	46.50			hJs	x6	50		wh, yl		PR						
BHT-203	46.38	46.50			Vs	x2	48		wh		PR			5			
BHT-203	46.78				J		15				ST	PO					
BHT-203	47.20	48.00			hJ		85		wh		UN						
BHT-203	47.20	48.20			hJ		85		wh	VN	UN			5			
BHT-203	47.54				J		20				PR	RF-SM					
BHT-203	47.65	48.10			hJs	x4	40		wh		PR						
BHT-203	48.40				J		20				PR	RF-SM					
BHT-203	48.50	48.85			hJ		80		wh		PR-UN						
BHT-203	48.95				V		15		wh	VN	PR			5			
BHT-203	49.50	49.90			V		70		wh	VN	PR			5			
BHT-203	50.15				hJ		20		bk		PR						

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHT-203
Defects List

PointID	Depth	Bottom	Fracture Set	Defect Number	Type	Type Suffix	Dip Minimum (degrees)	Dip Maximum (degrees)	Infilling Material	Aperture Observation	Planarity	Roughness	Aperture Measurement Sign	Aperture Measurement	Aperture	Spacing	Remark
BHT-203	50.25	50.28			hJ		25		bk		PR						
BHT-203	50.62				J		20			CN	ST-IR	VR-RF					
BHT-203	50.70				hJ		70		gn		PR						
BHT-203	51.00	51.50			hJs	x4	75		wh, rd		PR						
BHT-203	51.03				J		35			CN	ST	SM-RF					
BHT-203	51.09	51.40			hJs	x5	45		wh, gn		PR						
BHT-203	51.60	52.00			hJs	x5	45		gn, wh, mi pyrite		PR						
BHT-203	51.75				V		20		dark gn	VN	PR			5			
BHT-203	51.80				J		10			CN	IR	RF					
BHT-203	52.00	52.70			V		85		wh	VN	PR			5			
BHT-203	52.04				J		10			CN	IR	RF					
BHT-203	52.52				J		10			CN	ST	RF					
BHT-203	52.70	52.85			hJs	x3	50		gn		UN						
BHT-203	52.95				V		10		dark gn	VN	PR			5			
BHT-203	53.35	53.63			Vs	x3	45		gn, yl	VN	PR			5			
BHT-203	53.35	53.75			hJs	x15	45		gn, yl		PR						
BHT-203	53.47				J		10			CN	ST	RF					
BHT-203	54.04				hJ		50		bk	SN	PR						
BHT-203	54.20				hJ		55		bk	SN	PR						
BHT-203	54.28				hJ		45		bk	SN	ST						
BHT-203	54.40				CO		45		basalt - granite	VN	PR						
BHT-203	54.60	55.00			hJs	x5	20		bk		PR						
BHT-203	54.65				V		40		bk	VN	UN			5			
BHT-203	54.80				V		40		bk	VN	UN			5			
BHT-203	54.91				V		40		bk	VN	UN			5			
BHT-203	55.20				V		15		bk	VN	UN			10			
BHT-203	55.48	55.70			Vs	x5	20		bk	VN							
BHT-203	56.10	56.80			Vs	x5	20		bk	VN							
BHT-203	56.11	56.80			hJs	x6	20		k		PR						
BHT-203	57.00	57.70			Vs	x9	50		bn, bk	VN	PR			15			
BHT-203	57.70				SS		45				PR						
BHT-203	57.98				V		30		wh	VN	UN			5			
BHT-203	58.25				V		30		gn	VN	IR			22			
BHT-203	58.33	59.25			Vs	x14	70		wh	VN	ST	VR-RF		15			
BHT-203	58.97				J		45		rd gn	SN		PO-SM					
BHT-203	59.22				J		20			CN	UN	SM-RF					
BHT-203	59.55				J		10			CN	UN	SM-RF					
BHT-203	59.95				J		10			CN	UN	SM-RF					
BHT-203	60.00	60.40			V		78		wh	VN	ST			5			
BHT-203	60.22	60.35			hJ		60		whm gn		PR						
BHT-203	60.40	60.94			J		45			CN	UN	RF					
BHT-203	60.57				J		15				ST	RF					
BHT-203	60.65	61.10			hJs	x5	50		wh		PR						
BHT-203	60.74				J		40			CN	UN	SM-RF					
BHT-203	61.25				V		40		gn	VN	UN			5			
BHT-203	61.34	61.35			V		25		gn	VN	PR			7			
BHT-203	61.40				V		45		gn	VN	PR			5			
BHT-203	61.48	61.81			hJs	x14	30		bk		PR						
BHT-203	62.05				V		60		gn	VN	UN			5			
BHT-203	62.18				J		40			CN	PR	SM-RF					
BHT-203	62.21	62.40			hJs	x6	15		yl, rd, gn		PR						
BHT-203	62.54				CO		30				PR						
BHT-203	62.62				J		18			CN	UN	RF					
BHT-203	63.15				J		18			CN	UN	RF					
BHT-203	63.31				J		20			CN	UN	RF					
BHT-203	64.12				J		10			CN	PR						
BHT-203	64.34				V		60		gn	VN	PR			5			
BHT-203	64.70	64.72			V		50		yl, mi pyrite	VN	PR			20			
BHT-203	65.00	65.34			V		40		bk	VN	UN			15			
BHT-203	65.25				V		35		bk	VN	UN			5			
BHT-203	65.40	66.00			hJs	x10	45		gn		UN			5			
BHT-203	65.68	65.85			hJs	x5	68		gn	CN	UN	RF					
BHT-203	65.87				hJ		45			CN	UN	RF					
BHT-203	66.10	66.26			Vs	x4	45		gn	VN	PR			5			
BHT-203	66.58	67.00			hJs	x6	40		bk		PR						
BHT-203	66.78				V		20		gn	VN	PR			8			
BHT-203	66.88	67.00			hJ		90		bk		PR						
BHT-203	67.43				J		25			CN	ST						
BHT-203	67.50	67.58			V		50		gn		PR			5			
BHT-203	67.70	67.76			V		18		gn	VN	PR			10			
BHT-203	67.85				hJ		45		bk		UN						
BHT-203	67.85	68.00			hJs	x5	45		bk		PR						
BHT-203	68.00	68.38			V		45		gk, gn	VN	UN			50			
BHT-203	68.25				V		70		gn	VN	PR			5			
BHT-203	68.60	69.00			Vs	x5	30		bk, gn	VN	PR			5			
BHT-203	69.03	69.04			J		30			CN	PR	SM					
BHT-203	69.25				J		30			CN	PR	SM					
BHT-203	69.50				hJ		60		gn		UN						
BHT-203	69.75	70.10			V		70		bk, gn	VN	UN			30			

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHT-203
Defects List

PointID	Depth	Bottom	Fracture Set	Defect Number	Type	Type Suffix	Dip Minimum (degrees)	Dip Maximum (degrees)	Infilling Material	Aperture Observation	Planarity	Roughness	Aperture Measurement Sign	Aperture Measurement	Aperture	Spacing	Remark
BHT-203	70.20				hJ		20		bk		UN						
BHT-203	70.55	70.70			hJs	x4	45		bk, gn		UN						
BHT-203	70.80				J		20			CN	UN	VR-RF					
BHT-203	70.82				J		10			CN	UN	VR-RF					
BHT-203	70.90	71.05			hJs	x5	45		gn		PR						
BHT-203	71.15	71.18			J		18			CN	PR						
BHT-203	71.40	71.50			hJs	x3	28		bk, gn, wh		CU						
BHT-203	71.89				J		18				PR						
BHT-203	72.05	72.50			Vs	x3	30		wh, bk	VN	PR			5			
BHT-203	72.45				J		45				PR						
BHT-203	73.15	74.81			Js	x5	10	30		CN	PR	RF					
BHT-203	75.00	75.35			V		85		wh	VN	PR			5			
BHT-203	75.30	75.72			V		80		wh, rd	SN-VN	PR			5			
BHT-203	79.10	79.22			Js	x2	40			CN	UN						
BHT-203	79.20	79.55			hJ		15		bk		CU			15			
BHT-203	79.22	79.50			V		25		wh/gn	VN	CU			5			
BHT-203	79.33	79.66			hJs	x8	40		bk		UN						
BHT-203	79.71				V		15		bk		CU			8			
BHT-203	79.81	79.90			Js	x2	10				CU						
BHT-203	79.95				V		10		Qz	VN	CU			10			
BHT-203	80.00	80.30			hJs	x13	10		bk		PR						
BHT-203	80.00	80.45			V		80		wh, rd		UN			8			
BHT-203	80.35	80.60			hJs	x7	45		bk		PR						
BHT-203	80.74	81.68			Js	x8	40		wh	VN	UN						
BHT-203	80.75	81.00			AZ		45			VN	IR						
BHT-203	81.00	82.00			hJs	x13	10		bk		PR						
BHT-203	81.30				hJ		60		yl, mi pyrite		CU						
BHT-203	82.00	82.87			hJs	x12	75		bk		PR						
BHT-203	82.05				V		80		gn, gy	VN	PR			5			
BHT-203	82.10				V		45		gn	VN	UN			10			
BHT-203	82.48	82.63			V		80		bk		UN			5			
BHT-203	82.50	82.79			Vs	x2	80		bk		UN						
BHT-203	82.80	82.90			Js	x2	30		gy/gn		UN			5			
BHT-203	82.82	82.90			V				bk/gn		PR			10			
BHT-203	82.96				hJ		40		bk/gn		UN						
BHT-203	83.18				V		45		gn	VN	PR			10			
BHT-203	83.20				V		30		gn	VN	PR			5			
BHT-203	83.37				hJ		40			VN	PR						
BHT-203	83.53				hJ		70		pale pk	SN	PR						
BHT-203	83.72	83.73			hJ		70		pale pk	SN-VN	PR			5			
BHT-203	83.93				J		20			CN	PR						
BHT-203	84.02	84.30			V		20		bk	VN-SN	UN			5			
BHT-203	84.60				V		45		bk	VN	UN			5			
BHT-203	84.85	84.95			hJs	x2	30		wh	CN	UN						
BHT-203	84.95				V		45		pale gn	VN	UN			10			
BHT-203	85.35				hJ		80			CN	PR						
BHT-203	85.65				J		70		bk	SN	ST						
BHT-203	86.00	86.10			hJ		65		wh	CN	PR						
BHT-203	86.25	86.88			hJ		40		gn bk	SN-VN	UN			5			
BHT-203	86.50	86.60			hJ		85		gn	SN	IR						
BHT-203	87.00	87.20			hJ		40		gn bk	SN-VN	UN			5			
BHT-203	87.50				V		30		gn	VN	UN			13			
BHT-203	87.55				V		30		gn	VN	CU			13			
BHT-203	87.82	89.00			hJs	x10	30		gn		UN						
BHT-203	88.12				hJ		80		gn	VN	PR			5			
BHT-203	89.00	89.15			hJs	x8	45		gn		PR						
BHT-203	89.30				J		35		rd or, mi oxide	CN-SN	PR	RF					
BHT-203	89.50				V		45		gn	VN	PR			5			
BHT-203	89.65				hJ		60		gn or		PR			5			
BHT-203	89.90				V		75		gn	VN	PR			10			
BHT-203	90.00	90.50			Vs	x4	45		gn	VN	PR						
BHT-203	90.00	90.97			hJ		20		gn		PR						
BHT-203	90.54				hJ		5		gn		PR						
BHT-203	90.54	90.95			hJs	x2	30		gn		PR						
BHT-203	90.85	91.00			AZ		20		gn		CU						
BHT-203	91.00	92.00			hJs	x10	30		gn		PR						
BHT-203	91.00	93.50			Js	x5	70			VN	PR	RF					
BHT-203	91.25	91.63			Vs	x4	60		gn	VN	UN			5			
BHT-203	92.30	92.90			hJ		30		gn	VN	PR			10			
BHT-203	92.95				J		70				UN	VR-RF					
BHT-203	93.32				V		15		gn	VN	UN			5			
BHT-203	93.54				V		25		gn bk	VN	PR			5			
BHT-203	93.60	93.87			hJs	x6	18		gn		PR						
BHT-203	93.70				V		25		gn bk	VN	PR			5			
BHT-203	93.85				V		25		gn bk	VN	PR			5			
BHT-203	94.00	94.60			J		72			CN	PR						
BHT-203	94.15	94.45			hJs	x3	10		gn		PR						
BHT-203	94.35				hJ		65		gn		PR						
BHT-203	94.53				V		75		gn,bk	SN-VN	UN			10			

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHT-203
Defects List

PointID	Depth	Bottom	Fracture Set	Defect Number	Type	Type Suffix	Dip Minimum (degrees)	Dip Maximum (degrees)	Infilling Material	Aperture Observation	Planarity	Roughness	Aperture Measurement Sign	Aperture Measurement	Aperture	Spacing	Remark
BHT-203	94.72	94.75			V		15		gn, bk	SN-VN	PR			10			
BHT-203	94.85	95.50			hJs	x15	30		gn	SN	PR						
BHT-203	95.20				V		60		gn	VN	UN			5			
BHT-203	95.95				J		40			CN	PR	RF					
BHT-203	96.10	96.35			Vs	x5	60		gn	VN	UN			5			
BHT-203	96.65				V		18		bk, wh Qz	VN	UN			10			
BHT-203	96.68	97.28			Vs	x7	20		gn	VN	CU			19			
BHT-203	97.00	98.00			hJs	x14	20		gn	SN	PR						
BHT-203	97.44	97.68			Vs	x5	60		gn	VN	CU			19			
BHT-203	98.00	98.20			Vs	x4	30		gn	VN	UN			5			
BHT-203	98.64				V		20		gn	VN-SN	CU			50			
BHT-203	98.82				J		20		qtz	CN-VN	PR	SL-PO					
BHT-203	99.00	99.29			V		80		gn	VN	IR			5			
BHT-203	99.12	99.18			Js	x2	45			CN	UN	SM					
BHT-203	99.32	99.65			Js	x2	80			CN-VN	UN	SL-PO					
BHT-203	99.75				hJ		50		gn		PR						
BHT-203	99.95				hJ		40		gn		PR						
BHT-203	100.00	100.10			hJs	x10	25		gn		UN						
BHT-203	100.50				V		80		gn	VN	UN			8			
BHT-203	101.00	101.50			Vs	x5	80		gn	VN	CU			5			
BHT-203	101.50	102.50			AZ				gn		PR						
BHT-203	102.05				J		10			CN	ST	RF-VR					
BHT-203	102.35	103.00			V		85		gn	VN	UN			10			
BHT-203	102.50	103.00			hJs	x8	20		bk		UN						
BHT-203	103.20	104.00			AZ		45				PR						
BHT-203	103.50	103.90			Vs	x5	45		gn	VN				5			
BHT-203	103.95				J		45			CN	PR						
BHT-203	104.05				V		45		gn	VN	UN			5			
BHT-203	104.20				V		80		gn	VN	UN			15			
BHT-203	104.27	104.75			hJs	x16	25		gn wh pk	SN	PR						
BHT-203	104.90				V		45		Qz	VN	UN			20			
BHT-203	105.00	108.62			hJs	x5	35		gn		UN						
BHT-203	105.05				V		45		gn	VN	UN			5			
BHT-203	105.10				J		40			CN	UN	RF					
BHT-203	105.40				V		80		gn	VN	CU			10			
BHT-203	105.70	106.85			hJs	x20	20		gn, bk		PR						
BHT-203	105.70	185.75			Vs	x8	40		gn	VN	UN			15			
BHT-203	106.15	206.35			hJs	x8	30		wh		UN						
BHT-203	107.08	107.50			Vs	x6	30		gn	VN	UN			5			
BHT-203	107.60				V		75		gn	VN	UN			5			
BHT-203	107.69				J		20			CN	ST	RF					
BHT-203	108.00	108.45			hJs	x8	45		gn		PR						
BHT-203	108.05	108.38			hJs	x3	65		gn		PR						
BHT-203	108.55	108.95			J		55		x3	CN	UN	RF					
BHT-203	108.75	108.90			hJs	x4	50		gn br	SN	PR						
BHT-203	109.10	109.40			hJs	x2	50		gn		PR						
BHT-203	109.51	109.61			Vs	x2	45		gn	VN	UN			5			
BHT-203	109.64				J		40			CN	UN	SM-RF					
BHT-203	109.72	109.90			hJs	x2	20		gn		UN						
BHT-203	110.00	110.60			V		90		gn	VN	UN			5			
BHT-203	110.18				V		25		br pk	VN	UN			5			
BHT-203	110.31				J		40			CN	IR	RF					
BHT-203	110.60				V		55	60	aplite		PR		>	20			
BHT-203	110.65	111.00			Js	x3	60			CN	UN	VR-RF					
BHT-203	111.34	111.65			V		40			CN-VN	PR	SL-PO					
BHT-203	111.65	114.45			Js	x12	40		Qtz		PR	PO-SL					
BHT-203	111.80				V		60		gn	VN	UN			10			
BHT-203	112.00	112.40			hJs	x6	58		wh		PR						
BHT-203	112.60	113.20			hJs	x5	60		wh		PR						
BHT-203	112.84				hJ		30		gn		PR						
BHT-203	113.00				V		85		wh, rd	VN	UN			5			
BHT-203	113.15	113.40			hJs	x4	55		wh, rd	VN-CT	UN			5			
BHT-203	113.60	113.80			hJs	x3	45		wh	VN-CT	UN			5			
BHT-203	113.84				J		45			CN	IR						
BHT-203	113.98				V		45		wh	VN-CT	PR			5			
BHT-203	114.11				V		60		wh	VN-CT	PR			5			
BHT-203	114.42				V		50		wh	VN-CT	PR			5			
BHT-203	114.60	114.85			hJs	x8	40		wh		PR						
BHT-203	115.02				J		45			CN	PR	RF					
BHT-203	115.82	115.85			J		15				PR	RF-SM					
BHT-203	116.30				J		20		wh	SN	PR	RF					
BHT-203	116.54				J		20				PR	RF					
BHT-203	117.00	117.30			V		50		pk	VN	PR			15			
BHT-203	117.02	117.20			hJs	x3	30		wh, gn		PR						
BHT-203	117.23	117.60			IS		38		granite highly altered, seem infillb	VN	IR						
BHT-203	117.25				V		30		ok	VN	UN			7			
BHT-203	117.60	117.75			hJs	x6	50		gn		UN						
BHT-203	117.92				V		40		whm pk	VN	UN			5			
BHT-203	118.00				Vs	x8	35		wh	VN	PR			5			

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHT-203
Defects List

PointID	Depth	Bottom	Fracture Set	Defect Number	Type	Type Suffix	Dip Minimum (degrees)	Dip Maximum (degrees)	Infilling Material	Aperture Observation	Planarity	Roughness	Aperture Measurement Sign	Aperture Measurement	Aperture	Spacing	Remark
BHT-203	118.30	118.85			Js	x3	25			CN	UN	SM					
BHT-203	118.32	118.42			Js	x4	10		gn	SN	PR	PO-SL					
BHT-203	118.40	118.54			Vs	x2	30		wh	VN	PR			5			
BHT-203	118.45	118.72			Vs	x3	30		wh		PR						
BHT-203	118.80				Vs	x2	30		wh		PR						
BHT-203	118.95	119.00			Vs	x3	45		gn	VN	UN			5			
BHT-203	119.03				V		35		gn	VN	CU			10			
BHT-203	119.12				J		38			CN	PR	RF					
BHT-203	119.12	119.25			hJs	x4	28		wh	VN	UN						
BHT-203	119.22				V		28		wh, bk	VN	UN-PR			5			
BHT-203	119.33				V		40		wh	VN	UN-PR			5			
BHT-203	119.41				V		30		gn	VN	UN-PR			5			
BHT-203	119.60				V		50		gn	VN	UN-PR			5			
BHT-203	119.75				J		35			CN	ST						
BHT-203	119.80	120.00			hJs	x6	20		gn		UN						
BHT-203	120.00	120.60			Vs	x2	60		gn	VN-CT	UN			5			
BHT-203	120.07				J		25		wh	VN	CU			5			
BHT-203	120.34				J		45			CN	PR	SM					
BHT-203	120.35				J		45			CN	UN						
BHT-203	120.40				V		50		gn	VN	CU			5			
BHT-203	120.40	120.50			hJs	x5	15		bk		UN						
BHT-203	120.68				J		30			CN	PR	SM					
BHT-203	120.75				V		50		gn	VN	PR			7			
BHT-203	120.82				J		40		bk		PR						
BHT-203	120.95				J		15		wh	VN	PR			5			
BHT-203	121.20	121.42			hJs	x9	45		wh		PR						
BHT-203	121.30	121.38			J		45			CN	PR	SM					
BHT-203	121.42				J		45			CN	PR	SM					
BHT-203	121.50				V		60		gn	VN	PR			6			
BHT-203	121.80	122.00			hJs	x5	28		bk		PR						
BHT-203	121.82	121.95			AZ		45		gn	VN	IR						
BHT-203	122.00	123.06			V		45		gn, wh, Qtz,	VN	PR			70			
BHT-203	122.50				V		45		gn, bk	VN	UN			5			
BHT-203	122.70	123.00			Js	x2	35			CN	PR						
BHT-203	123.14				V		20		wh, Qtz		UN			6			
BHT-203	123.38				V		45		gn, wh Qtz	VN	PR			23			
BHT-203	123.40	123.50			hJs	x5	20		wh		PR						
BHT-203	123.50	123.54			hJs	x2	40		wh	VN	PR						
BHT-203	123.78				V		45		wh, gn	VN				24			
BHT-203	124.43				hJ		45		gn	VN	UN			5			
BHT-203	124.60	124.68			V		50		gn, wh mi Qtz	VN	UN			40			
BHT-203	124.92	124.95			J		35			CN	ST	RF-VR					
BHT-203	125.11				J		45			CN	ST	RF-VR					
BHT-203	125.58				J		45			CN	PR						
BHT-203	125.80	125.90			hJs	x2	55		gn		PR						
BHT-203	125.89				J		20			CN	PR	RF-SM					
BHT-203	125.92				V		70		bk	VN	UN			12			
BHT-203	126.05				V		40		gn	VN	UN			13			
BHT-203	126.60				V		30		wh	VN	PR			5			
BHT-203	126.70	136.70			J		15			CN	PR						
BHT-203	126.90	136.90			V		75		gn	VN	PR			5			
BHT-203	127.02				V		30		wh	VN	PR			5			
BHT-203	127.08	127.80			V		45		wh, gn	VN	PR						
BHT-203	127.28	127.32			V		55		gn	VN	PR			5			
BHT-203	127.45				V		45		gn	VN	UN			19			
BHT-203	127.61				V		45		gn	VN	UN			5			
BHT-203	127.92				V		45		gn	VN	UN			5			
BHT-203	128.09				V		45		gn		PR			8			
BHT-203	128.25				V		70		gn, wh		UN			11			
BHT-203	128.38	128.50			V		70		gn		CU			5			
BHT-203	128.50				V		55		bk, gn		CU			5			
BHT-203	128.80	128.98			V		70		gn		UN			5			
BHT-203	128.92				V		70		gn		UN			5			
BHT-203	129.12				V		50		gn		UN			8			
BHT-203	129.44				V		40		bk	VN	UN			5			
BHT-203	129.52				V		30		gy, gn	VN	UN			5			
BHT-203	129.80				V		30		wh	VN	UN			5			
BHT-203	130.14				V		30		gy, gn	VN	UN			5			
BHT-203	130.36				V		80		gy, gn	VN	UN			5			
BHT-203	130.45	130.54			hJs	x4	20		bk		PR						
BHT-203	130.75				V		60		gn	VN	PR			8			
BHT-203	130.80				V		70		bk	VN	PR			8			
BHT-203	131.00				Vs	x3	70		gn	VN	PR			5			
BHT-203	131.12				V		20		gn	infilled	CU			30			
BHT-203	131.18				J		20			CN	UN-CU	SM-RF					
BHT-203	131.25	132.50			hJs	x20	20		bk		PR						
BHT-203	131.32				V		80		gn	VN	PR			19			
BHT-203	132.60				V		80		gn	VN	UN			7			
BHT-203	132.67	132.74			Js	x2	15			CN	ST-IR	RF					

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHT-203
Defects List

PointID	Depth	Bottom	Fracture Set	Defect Number	Type	Type Suffix	Dip Minimum (degrees)	Dip Maximum (degrees)	Infilling Material	Aperture Observation	Planarity	Roughness	Aperture Measurement Sign	Aperture Measurement	Aperture	Spacing	Remark
BHT-203	133.10				V		80		gn	VN	UN			8			
BHT-203	133.20	133.50			hJ		70		bk		UN-CU						
BHT-203	133.50				hJ		70		bk		UN-CU						
BHT-203	133.81				J		35			CN	PR	SM-RF					
BHT-203	134.04				hJ		40		gn		PR						
BHT-203	134.20				J		45			CN	PR	SM-RF					
BHT-203	134.38				hJ		70		gn		PR						
BHT-203	134.87				J		15			CN	PR-UN						
BHT-203	135.27				hJ		70		gn		PR						
BHT-203	135.30				hJ		20		gn		PR						
BHT-203	135.45				hJ		70		gn		PR						
BHT-203	135.60	136.00			hJs	x23	10		bk		PR						
BHT-203	136.00	136.25			hJs	x8	10		bk		PR						
BHT-203	136.02				hJ		30		gn		PR						
BHT-203	136.20				V		20		bk		UN-CU			5			
BHT-203	136.35				hJ		20		gn		UN						
BHT-203	136.42				V		80		gn	VN	UN-CU			8			
BHT-203	136.57				Vs	x8	70		gn	VN	UN-CU			12			
BHT-203	136.82	136.90			Vs	x4	28		gn	VN	UN						
BHT-203	136.93				J		15			CN	UN						
BHT-203	137.00	137.32			V		60		gn	VN	PR			5			
BHT-203	137.10	138.00			hJs	x21	60		bk, gn		UN						
BHT-203	137.25				V		50		gn	VN	PR			5			
BHT-203	137.81				V		30		wh, Qtz	VN	PR			5			
BHT-203	138.07	138.18			J		10			CN	UN-CU						
BHT-203	138.10				V		35		wh, Qtz	VN	PR	RF		10			
BHT-203	138.20	138.50			hJs	x6	70		wh		CU						
BHT-203	138.32				V		70		wh	VN	UN			5			
BHT-203	138.61	138.85			hJs	x4	60		wh, yl, mi, pyrite		UN						
BHT-203	138.62				J		20			CN	CU						
BHT-203	139.00				Js	x3	10			CN	PR						
BHT-203	139.00	139.34			hJs	x7	45		gn, wh		PR						
BHT-203	139.48	139.77			AZ		60		gn		IR						
BHT-203	139.87				V		45		pk	VN	UN			7			
BHT-203	140.00	140.20			V		80		gn	VN	PR						
BHT-203	140.50	140.58			hJ		30		gn		UN-CU						
BHT-203	141.15				V		50		yl, wh, Qtz, pyrite	VN	PR						
BHT-203	141.21				V		20		gn	VN	PR			5			
BHT-203	141.31	141.50			hJs	x3	30		gn		PR						
BHT-203	141.50	141.75			hJs	x13	30		gn, bk		PR						
BHT-203	141.64				Vs	x4	50		gn	VN	UN-CU			5			
BHT-203	142.05				V		30		gn	VN	PR-CU			5			
BHT-203	142.08	142.27			Vs	x3	20		gn, gy	VN	UN-CU			5			
BHT-203	142.40				V		50		rd, gn, pk	VN	PR	SM		18			
BHT-203	142.44				V		50		rd, gn, pk	VN	PR	SM		18			
BHT-203	142.56	142.80			Vs	x5	20		gn	VN	CU						
BHT-203	142.70				V		10		wh, pk	VN	PR	SM		8			
BHT-203	142.85				V		70		gn	VN	CU			6			
BHT-203	142.86				J		10			CN	PR	SM-RF					
BHT-203	142.95				hJ		30		gn		PR						
BHT-203	143.00	143.72			J		10			CN	UN-CU						
BHT-203	143.05	143.16			hJs	x6	30		pk, gy wh	VN-SN	CU						
BHT-203	143.30				V		45		gn	VN	PR			6			
BHT-203	143.31	143.42			hJs	x7	10		bk		PR						
BHT-203	143.33				J		30			CN	PR-CU	RF					
BHT-203	144.05				V		45		gn	VN	PR			5			
BHT-203	144.09				V		45		gn	VN	PR			5			
BHT-203	144.15				J		10			CN	ST						
BHT-203	144.43				J		10			CN	PR						
BHT-203	144.62				hJ		30		gn		PR						
BHT-203	144.70				V		60		gn	VN	UN			10			
BHT-203	144.80				V		55		gn	VN	UN			5			
BHT-203	145.00	145.20			hJs	x3	30		gn	VN	UN			5			
BHT-203	145.51				J		10			CN	UN	RF					
BHT-203	145.90	145.91			V		45		wh, pk		PR			5			
BHT-203	146.08				J		30		pk	CN-SN	PR						
BHT-203	146.10	146.15			hJ		60		gn		UN						
BHT-203	146.42	146.45			Vs	x2	35		gn	VN	UN-CU			10			
BHT-203	146.76				V		45		gn	VN	UN-CU			20			
BHT-203	146.80				J		15			CN	ST-IR						
BHT-203	147.00	147.20			Vs	x3	70		gn, wh	VN	UN			5			
BHT-203	147.12				V		30		wh	VN	PR			5			
BHT-203	147.60				hJ		30		wh		PR						
BHT-203	147.65				V				gn	VN	UN			5			
BHT-203	147.66				J		30			CN	PR	SM-PO					
BHT-203	148.07				V		50		gn	VN	UN			5			
BHT-203	148.20	148.28			Vs	x3	45		gn	VN	UN						
BHT-203	148.66				hJ		35		wh		PR						
BHT-203	148.96				hJ		20		wh	VN	CU			5			

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHT-203
Defects List

PointID	Depth	Bottom	Fracture Set	Defect Number	Type	Type Suffix	Dip Minimum (degrees)	Dip Maximum (degrees)	Infilling Material	Aperture Observation	Planarity	Roughness	Aperture Measurement Sign	Aperture Measurement	Aperture	Spacing	Remark
BHT-203	149.14				V		55		gn	VN	UN			5			
BHT-203	149.31				J				qh, mi, Qtz	VN	PR	SM					
BHT-203	149.66				J		20			CN	PR	SM					
BHT-203	149.73				V		20		bk		PR-UN			5			
BHT-203	149.89				V		70		gn	VN	UN			5			
BHT-203	149.93				V		35		rd, pk	VN	UN			5			
BHT-203	150.00	150.15			J		50		pk	CN-SN							
BHT-203	150.60	150.88			hJs	x5	50		bk, pk	SN	PR						
BHT-203	151.00	151.50			hJs	x5	20		bk, pk	SN	PR						
BHT-203	151.42	151.70			V		35		gn	VN	CU-UN			5			
BHT-203	151.50	151.59			Vs	x2	60		gn	VN	UN-CU						
BHT-203	151.60				J		30			CN	PR	RF					
BHT-203	151.75				J		30			CN	PR	RF					
BHT-203	152.22				V		30		wh	VN	CU-UN			5			
BHT-203	152.35				J		40		pk	CN-SN	UN	SM					
BHT-203	152.52				V		35		gn	VN	PR			5			
BHT-203	152.60				hJ		70		gn		PR						
BHT-203	152.80				hJ		30		gn		PR						
BHT-203	153.10				hJs	x2	30		gn		UN						
BHT-203	153.14				V		50		gn	VN	CU			8			
BHT-203	153.45				hJ		30		gn		PR						
BHT-203	153.52				V		30		wh, gn	VN	UN			6			
BHT-203	153.70				J		50			CN	CU	RF					
BHT-203	154.00	154.02			J		45			CN	CU	RF					
BHT-203	154.19	154.82			Vs	x5	40		gn	VN	CU			5			
BHT-203	155.25				hJ		30		gn		CU						
BHT-203	155.25	155.45			hJs	x7	20		gn		PR						
BHT-203	155.65	155.90			hJs	x8	20		gn		PR						
BHT-203	155.72	155.75			V		30		wh, gn	VN	UN			6			
BHT-203	156.23	156.32			Js	x2	50		gn	CN-SN	PR	SM					
BHT-203	156.52				VN		70		gn	VN	CU			5			
BHT-203	156.52	156.69			V		30		gn	VN	CU			5			
BHT-203	156.55				V		70		gn	VN	UN			12			
BHT-203	156.80				J		70			CN	UN						
BHT-203	156.92	157.24			V		80		wh	VN	UN			40			
BHT-203	157.02	157.24			Vs	x6	35		gn	VN	PR			5			
BHT-203	157.30	157.68			hJs	x6	60		bk		CU						
BHT-203	157.70	157.95			Vs	x4	20		gn	VN	CU			5			
BHT-203	158.08	158.20			Vs	x3	40		gn	VN	PR			5			
BHT-203	158.47				V		55		gn	VN	UN			9			
BHT-203	158.52				J		45			CN	PR	RF					
BHT-203	158.52	158.62			hJs	x3	70		gn, wh	VN	PR						
BHT-203	158.70	158.82			hJs	x4	70		gn		UN			5			
BHT-203	158.80	159.00			hJs	x6	70		bk		UN						
BHT-203	159.12				V		70		wh	VN	UN			5			
BHT-203	159.20	159.28			hJs	x2	35		gn	VN	UN			5			
BHT-203	159.30	159.45			hJs	x5	60		bk		CU						
BHT-203	159.62	159.80			Vs	x3	62		bk, gn	VN	PR			5			
BHT-203	159.65				V		30		wh	VN	CU			5			
BHT-203	159.82				J		20			CN	CU	RF					
BHT-203	159.90				V		70		gn	VN	UN-CU			9			
BHT-203	159.95				V		70		wh	VN	UN-CU			9			
BHT-203	160.00				V		70		wh, pk	VN-SN	UN-CU			5			
BHT-203	160.10	190.27			hJs	x4	35		bk		PR						
BHT-203	160.20	160.40			hJs	x2	70		pk	SN	CU						
BHT-203	160.45	160.69			hJs	x7	70		pk		UN						
BHT-203	160.70				J		10			CN	PR	SM					
BHT-203	161.00	161.25			Vs	x6	40		bk, wh	VN	PR			5			
BHT-203	161.30	161.52			hJs	x8	30		bk		IR						
BHT-203	161.34				hJ		10		bk		PR						
BHT-203	161.62	162.62			J		10			CN	CU	RF					
BHT-203	161.65	161.95			J		45			CN	PR	RF					
BHT-203	161.68				V		20		wh, pk	VN	UN-CU						
BHT-203	162.00				hJs	x6	80		gn	SN	PR						
BHT-203	162.00	162.15			Vs	x5	70		gn	VN	CU-UN						
BHT-203	162.30	162.50			hJs	x4	20		pk	SN	CU						
BHT-203	162.53	162.70			J	x2	45			CN	PR	RF					
BHT-203	163.00	163.12			hJ		45		gn		PR						
BHT-203	163.25				V		70		gn	VN	PR			5			
BHT-203	163.30	163.40			Vs	x2	50		gn	VN	PR-CU			5			
BHT-203	163.60	163.80			hJ		45		gn	SN	CU						
BHT-203	164.05				V		10		gn	infilled	PR			5			
BHT-203	164.75	164.90			Vs	x4	30		gn	VN	CU						
BHT-203	164.80				V		70		gn	infilled	PR			5			
BHT-203	165.00	165.42			hJ		50		gn		PR						
BHT-203	165.20				hJ		30		gn		PR						
BHT-203	165.60				V		55		gn	VN	PR			5			
BHT-203	165.65				J		15			CN	UN	RF					
BHT-203	165.67				V		45		gn, br	VN	CU			5			

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHT-203
Defects List

PointID	Depth	Bottom	Fracture Set	Defect Number	Type	Type Suffix	Dip Minimum (degrees)	Dip Maximum (degrees)	Infilling Material	Aperture Observation	Planarity	Roughness	Aperture Measurement Sign	Aperture Measurement	Aperture	Spacing	Remark
BHT-203	165.72				V		20		bk	VN	PR			5			
BHT-203	165.72	165.97			V		35		gn	VN	PR			5			
BHT-203	165.92	165.95			hJ		30		bk		PR						
BHT-203	165.95				V		20		gn	VN	PR			5			
BHT-203	166.02				V		20		gn	VN	UN			5			
BHT-203	166.10				V		30		gn	VN	UN			5			
BHT-203	166.25				V		70		gn	VN	UN			5			
BHT-203	166.45				hJ		60		bk	SN	UN						
BHT-203	166.60				VN		35		gn	VN	UN-CU			5			
BHT-203	166.64	166.70			hJs	x2	660		bk		PR						
BHT-203	166.70				J		20			CN	PR	RF					
BHT-203	166.90				V		45		bk	VN	PR			5			
BHT-203	167.30				J		10			CN	PR						
BHT-203	167.30	167.38			hJ		40		wh	SN	PR						
BHT-203	167.47	167.94			J		40			CN	PR	RF					
BHT-203	167.60				hJ		60		gn	VN	IR-UN			80			
BHT-203	167.80	167.95			hJs	x3	30		bk		PR						
BHT-203	167.82	167.85			V		80		bk	VN	UN			5			
BHT-203	168.00	168.75			V		70		gn	VN	PR-UN			10			
BHT-203	168.05	168.25			hJs	x6	30		bk		PR						
BHT-203	168.43				V		30		gn	VN	CU-IR			6			
BHT-203	168.60				hJ		55		gn		PR						
BHT-203	169.00	169.22			hJs	x7	45		bk	VN	PR						
BHT-203	169.45				hJ		70		pk	SN	PR						
BHT-203	169.75				V		30		gn	VN	UN			30			
BHT-203	169.83	169.86			V		20		gn	VN	PR			5			
BHT-203	170.12				hJ		50		gn		PR						
BHT-203	170.34				J		42			CN	CU	SM					
BHT-203	170.40	170.42			V		65		wh	VN	CU			7			
BHT-203	170.50	170.69			Js	x3	35			CN	PR						
BHT-203	170.82				hJ		45		wh		PR						
BHT-203	171.19	171.38			hJs	x7	30		wh		PR						
BHT-203	171.40	171.50			V		50		wh, gn	VN	CU			5			
BHT-203	171.45				V		50			CN	CU	RF					
BHT-203	171.45	171.54			Js	x3	35			CN	PR	RF					
BHT-203	171.83				J		55			CN	PR	SM					
BHT-203	171.84				CO		50			CN	PR	RF					
BHT-203	171.84	171.95			hJs	x2	70		gn, pk	SN	PR						
BHT-203	172.10	172.18			V		630		gn	VN	UN			5			
BHT-203	172.20				hJ		40		gn		PR						
BHT-203	172.50				hJs	x3	68		bk		PR						
BHT-203	173.20				CO		40			CN	PR	SM					
BHT-203	174.00	174.35			hJs	x10	60		bk		PR						
BHT-203	174.29				V		45		gn	VN	PR			10			
BHT-203	174.36	174.50			Vs	x3	60		gn	VN	PR						
BHT-203	174.60				hJ		60		wh	VN	PR						
BHT-203	174.74	175.00			hJs	x4	70		wh		PR						
BHT-203	175.02				V		70		wh	VN	PR			55			
BHT-203	175.09				V		70		gn	VN	PR			5			
BHT-203	175.20				V		60		gn	VN	PR			8			
BHT-203	175.32				V		45		gn	VN	PR			8			
BHT-203	175.68				V		45		gn	VN	PR			14			
BHT-203	175.90				J		30			CN	UN	RF					
BHT-203	176.20				J		45			CN	PR	SM					
BHT-203	176.74	176.92			hJs	x4	20		wh		UN						
BHT-203	176.95				hJ		80		bk	VN	UN						
BHT-203	177.05	177.50			hJs	x5	20		bk		PR						
BHT-203	177.29				V		35		gn	VN	PR			5			
BHT-203	177.60	177.80			hJs	x3	45		wh		PR						
BHT-203	177.67				J		45			CN	PR	SM					
BHT-203	178.15				V		30		gn	VN	UN			10			
BHT-203	178.21	178.32			hJs	x5	20		bk		PR						
BHT-203	178.42	178.45			J		50			CN	IR	RF					
BHT-203	178.60	178.76			hJs	x4	70		gn		PR						
BHT-203	178.90				CO		45		wh, pk	VN	PR-UN			5			
BHT-203	179.01	179.09			hJs	x2	50		wh		PR						
BHT-203	179.40	179.50			hJ		85		pk, gn	SN	PR						
BHT-203	179.52	181.35			hJs	x6	50		wh	CN	PR						
BHT-203	179.64	179.78			Js	x2	50			CN	PR	RF					
BHT-203	180.03				V		60		wh, pk	VN-SN	PR			5			
BHT-203	180.20	180.28			V		60		gn, bk	VN-SN	PR			20			
BHT-203	180.40	180.48			FZ		45		gounge infill	VN	IR	SM					
BHT-203	180.92				V		45		wh	VN	PR			7			
BHT-203	180.95				J		45		pk	SN-CN	UN	RF					
BHT-203	181.00	181.15			hJs	x8	10		wh		PR						
BHT-203	181.10				J		45			CN	PR	RF					
BHT-203	181.21				J		30			CN	PR						
BHT-203	181.31	181.59			hJs	x2	30		wh		PR						
BHT-203	181.65				V		50		gn	VN	PR			6			

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHT-203
Defects List

PointID	Depth	Bottom	Fracture Set	Defect Number	Type	Type Suffix	Dip Minimum (degrees)	Dip Maximum (degrees)	Infilling Material	Aperture Observation	Planarity	Roughness	Aperture Measurement Sign	Aperture Measurement	Aperture	Spacing	Remark
BHT-203	181.83	181.86			V		20		gn	VN	PR			8			
BHT-203	181.98				V		20		wh	VN	CU			5			
BHT-203	182.20				J		45		pk	CN-SN	CU						
BHT-203	182.50	182.90			hJs	x2	80		wh		UN						
BHT-203	183.13	183.32			hJs	x9	25		bk		CU						
BHT-203	183.33				V		70		gn	VN	UN			5			
BHT-203	183.71	183.72			J		10		porasic alteration pink	CN-SN	PR						
BHT-203	183.78	183.90			hJs	x4	70		gy		PR						
BHT-203	184.07	184.25			hJs	x7	20		wh		UN						
BHT-203	184.09				J		40		Wh, mi; Qtz	VN-CN	UN						
BHT-203	184.45	184.68			Js	x2	20			CN	CU						
BHT-203	184.78	184.97			V		30		wh	VN	CU-UN			5			
BHT-203	184.95				J		70			CN	ST						
BHT-203	185.45				J		75			CN	UN	RF					
BHT-203	185.50	185.70			Vs		60		gn	VN	PR			5			
BHT-203	185.72				J		10			CN	UN	RF					
BHT-203	185.82				V		15		gn	VN	UN			5			
BHT-203	185.90	186.00			hJs	x8	10		bk		PR						
BHT-203	186.00	186.32			hJs	x9	30		wh		PR						
BHT-203	186.15	186.32			J		30			CN	PR	RF					
BHT-203	186.16				V		30		wh, pk	VN	PR			10			
BHT-203	186.72				hJ		20		wh		PR						
BHT-203	187.42				J		50			CN	ST	VR					
BHT-203	187.64				J		40			CN	UN	RF					
BHT-203	188.15				CO		60		pk	SN	IR	VR-RF					
BHT-203	188.15	188.43			AZ		45		gn		IR						
BHT-203	188.24	188.39			HB	x4	30		gn, pk	SN	PR						
BHT-203	188.40				J		20		gn, pk	VN-SN	UN			5			
BHT-203	188.44				J		35		pk	CN-SN	PR						
BHT-203	188.48	188.52			V		45		gn		IR						
BHT-203	188.65	188.98			hJs	x11	30		wh		UN						
BHT-203	188.75				V		30		wh	VN	PR						
BHT-203	188.80				J		70			CN	PR						
BHT-203	189.13				J		70			CN	PR						
BHT-203	189.30	189.58			V		60		wh	VN-SN	ST	PO					
BHT-203	189.87				V		45		wh	VN	UN			5			
BHT-203	190.10	190.42			hJs	x9	45		bk		PR						
BHT-203	190.15				V		45		gn	VN	PR			7			
BHT-203	190.28				J		65			CN	PR	RF					
BHT-203	190.70				J		15			CN	PR-ST						
BHT-203	190.70	191.25			FZ		45			CN	IR-ST	PO					
BHT-203	190.72				Vs	x5	40		wh		UN						
BHT-203	190.90				V		85		wh	VN	UN			5			
BHT-203	191.05	191.09			V		30			CN	ST-IR						
BHT-203	191.05	191.21			Vs	x3	70		wh	CN	UN-ST	PO		5			
BHT-203	191.35				VN		45		wh, gn	VN	PR			5			
BHT-203	191.38	191.85			hJs	x20	60		bk		PR						
BHT-203	191.87	194.00			FZ		45		Rock affected by fault		IR						
BHT-203	191.90	192.50			SZ		30	45	medium to coarse gravel	CN	PR	RF					significant
BHT-203	192.50	193.70			AZ		45		wh-vein	VN	IR	SL		3			
BHT-203	192.60	194.10			Js	x13	40	55		CN	PR	SM				very closely	
BHT-203	192.60	195.15			Js	x29	45				PR-CU	SL-PO					
BHT-203	194.00	194.74			V		65		wh	VN	CU-UN			5			
BHT-203	194.25				Vs	x3	10		wh	VN	PR-UN			5			
BHT-203	195.23				V		35		wh	VN	UN			5			
BHT-203	195.60	195.70			Vs	x2	45		gn	VN	PR			5			
BHT-203	195.80				J		70			CN	UN-PR	SM					
BHT-203	196.10	196.60			hJs	x5	45		wh		UN						
BHT-203	196.72				J		60			CN	ST-IR	VR					
BHT-203	196.80				J		45			CN	PR	RF					
BHT-203	197.10	197.30			hJs	x4	20		wh		UN						
BHT-203	197.13	197.34			hJs	x3	70		wh		UN						
BHT-203	197.30	197.50			Js	x2	50			CN	PR-ST	RF					
BHT-203	197.70	197.97			V		35		wh	VN	UN			20			
BHT-203	197.85				J		90		wh, mi Qtz	VN	PR			5			
BHT-203	198.00	198.25			hJ		40		wh		PR						
BHT-203	198.15				hJs	x6	45		wh		PR						
BHT-203	198.16				J		55			CN	PR	RF					
BHT-203	198.42				J		45		gn	CT	PR	SM					
BHT-203	198.48	199.00			Js	x5	45			CN	UN-PR	SM					
BHT-203	198.50	199.00			Vs	x5	30		wh	VN	PR-UN			5			
BHT-203	199.00	199.40			hJs	x8	30		wh		UN						
BHT-203	199.20				J		40			CN	PR	SM					
BHT-203	199.37				V		40		wh, mi Qtz	VN	PR-UN	RF		15			
BHT-203	199.49				V		10		wh, pk	VN	PR			5			
BHT-203	199.97				V		30		wh	VN	UN			5			
BHT-203	200.10	200.50			Vs	x8	55		wh, pk	VN	PR			25			
BHT-203	200.60	200.95			hJs	x4	45		wh		PR						
BHT-203	200.95				Vs	x4	45		gn	CN-SN	ST-IR	RF					

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHT-203
Defects List

PointID	Depth	Bottom	Fracture Set	Defect Number	Type	Type Suffix	Dip Minimum (degrees)	Dip Maximum (degrees)	Infilling Material	Aperture Observation	Planarity	Roughness	Aperture Measurement Sign	Aperture Measurement	Aperture	Spacing	Remark
BHT-203	201.40	201.94			J		50			CN	PR-UN	RF					
BHT-203	201.50	204.50			Js	x12	45		pk potasic alteration wh rd	VN-SN	IR-PR	RF					
BHT-203	201.70	202.65			Vs	x7	30		pk mi Qtz	VN	PR			8			
BHT-203	201.80	204.95			FZ		45				IR						
BHT-203	202.17	202.23			Vs	x2	30		wh, pk	VN	UN			5			
BHT-203	202.32	202.50			hJs	x4	30		wh, pk	SN	PR						
BHT-203	204.00	204.70			V		45		pk	VN	PR			5			
BHT-203	204.05	204.20			hJs		50				UN-PR						white green x4
BHT-203	204.60				V		60		pk	VN	PR			5			
BHT-203	204.80				V		85		wh, gn	VN	PR-UN			5			
BHT-203	205.30				V		50		gn	VN	UN-PR			8			
BHT-203	205.31	207.37			Js	x6	70		pk, gn	VN	PR-UN	SL					
BHT-203	205.41	205.84			hJ		30		wh	VN	PR-UN			5			
BHT-203	205.80	208.80			V		20		wh, gn	VN-CT	IR-ST			7			
BHT-203	206.26	209.26			V		80		gn, bk	VN	PR			9			
BHT-203	206.60	207.35			hJ		70		gn, bk, pk	VN	PR-UN						
BHT-203	206.65	209.05			hJs	x4	75		wh		PR-UN						
BHT-203	207.30	207.50			hJs	x6	35		wh		PR-UN						
BHT-203	207.34				V		60		bk, pk	VN	PR			8			
BHT-203	207.48				J		70		pk	CN-SN	PR	SM					
BHT-203	207.60				J		30			CN	CU-IR						
BHT-203	207.65	208.35			hJs	x4	30		wh, gn		UN						
BHT-203	207.70				hJ		85		pk	SN	UN-PR						
BHT-203	207.85				hJ		30		pk	SN	UN						
BHT-203	208.19	208.20			J		10		pk, wh	VN-SN	PR			7			
BHT-203	208.40				V		55		bk	infilled	UN-CU			50			
BHT-203	208.60				J		10			CN	IR						
BHT-203	209.00	209.91			V		15		wh	VN	PR			5			
BHT-203	209.02				J		20			CN	CU						
BHT-203	209.05				hJ		75		pk	VN	PR			5			
BHT-203	209.25				J		20			CN	CU						
BHT-203	209.26				V		80			IN	PR						green black 9mm
BHT-203	209.45	209.75			V		40		wh, mi, Qtz	VN-CT	IR			80			
BHT-203	209.58				J		35		pk, mi Qtz	VN-SN	PR	RF					
BHT-203	209.59				V		25		gn	VN	UN			7			
BHT-203	209.97				V		15		wh	VN	CU			21			
BHT-203	210.04				V		20		wh	VN	CU			16			
BHT-203	210.08				J		25			CN	UN	RF					
BHT-203	210.14				J		75			CN	UN	RF					
BHT-203	210.28				J		45			CN	UN	RF					
BHT-203	210.35	210.45			hJs	x4	30		wh		PR						
BHT-203	210.67	210.96			hJs	x2	45		wh		CU						
BHT-203	210.70				V		20		wh	VN	CU-UN			5			
BHT-203	210.73				hJs	x3	15		wh		PR						
BHT-203	211.21				V		15		gn	infilled	CU-UN			30			
BHT-203	211.33				J		15		pk	SN	PR	RF					
BHT-203	211.60				J		15			CN	UN-IR	RF					
BHT-203	211.70	211.80			hJs	x4	20		wh		UN						
BHT-203	211.90				J		40			CN	UN	RF					
BHT-203	212.05				CO		45				UN						
BHT-203	212.18				V		15		gn	VN	PR			6			
BHT-203	212.22				J		20			CN	UN						
BHT-203	212.30				V		40		wh, gn	VN	UN-CU			5			
BHT-203	212.50				J		50		pk, gn	CN-SN	PR-ST	RF					
BHT-203	212.63				hJ		25		wh	infilled	CU-UN			9			
BHT-203	212.73	212.97			J		20		gn, pk, mi Qtz	VN-SN	UN						
BHT-203	212.94				J		45		epidote infilling	VN	UN	SM					
BHT-203	213.00	213.05			V		45		wh, gn	VN	UN			5			
BHT-203	213.00	213.47			J		35		pk	CT-SN	IR-ST	RF					
BHT-203	213.21				J		18			CN	ST-IR						
BHT-203	213.21	213.27			J		20		intercept with at 45 degrees	CN	CU	RF					
BHT-203	213.56				J		20			CN	ST						
BHT-203	213.65				hJ		30		wh		UN						
BHT-203	213.90				J		10		r pk, mi Qtz	VN-SN	PR	RF					
BHT-203	214.10				hJ		20		wh		PR-CU						
BHT-203	214.12	214.34			hJs	x3	70		gn		PR-UN						
BHT-203	214.23				J		20			CN	UN-CU						
BHT-203	214.50				hJ		35		gn		UN-CU						
BHT-203	214.61				J		65			CN	ST	SM					
BHT-203	214.65	214.80			hJs	x4	20		wh	VN	IR-UN						
BHT-203	214.70				hJ		80		wh	VN	UN						
BHT-203	215.00	215.44			hJs	x8	30		gn		PR						
BHT-203	215.32				J		60		qtz infill	VN	PR	SL					
BHT-203	215.70				J		60			CN	PR	SL-PO					
BHT-203	215.80				J		45			CN	PR	RF					
BHT-203	216.00	216.60			Vs	x13	45		wh	VN	PR-CU			5			
BHT-203	216.13				J		70		rd, gn, wh	VN-SN	PR-CU	SM					
BHT-203	216.25				J		45		rd	SN-CN	PR	RF					
BHT-203	216.42				J		10			CN	ST	RF					

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHT-203
Defects List

PointID	Depth	Bottom	Fracture Set	Defect Number	Type	Type Suffix	Dip Minimum (degrees)	Dip Maximum (degrees)	Infilling Material	Aperture Observation	Planarity	Roughness	Aperture Measurement Sign	Aperture Measurement	Aperture	Spacing	Remark
BHT-203	216.54				J		10		wh, mi Qtz	VN	IR	RF					
BHT-203	216.75	220.50			SZ		45		gravelly clayey SAND fault gouge		IR	SL					multiple defects, 10-30mm spacing, generally healed with wh mi, multiple sub-vertical V 20-40mm wide
BHT-203	220.20	220.90			Vs	x11	45		wh, pk	VN	CU			15			
BHT-203	221.70	229.75			SZ		45		fault; planar fractures, fault gouge		IR	SL					multiple defects, 10-30mm spacing, generally healed with wh mi, highly deformed
BHT-203	224.00	224.30			J		70			CN	PR-IR	SL					
BHT-203	224.60	225.50			J		45			CN	PR-IR	SL					
BHT-203	226.50	227.10			V		70				IR	SL					
BHT-203	227.10	227.50			V		70			VN	IR	SL					
BHT-203	228.00	228.60			J		45		gn		IR-PR	SL					
BHT-203	228.60	229.75			J		45				IR						
BHT-203	228.98				Vs	x3	10		wh	VN	IR			10			
BHT-203	229.82	230.45			hJs	x16	20		wh		UN						
BHT-203	230.15	230.70			hJs	x8	70		wh		UN						
BHT-203	230.28				J		20			CN	UN	RF					
BHT-203	230.49				J		20		gn	SN-CN	ST	RF					
BHT-203	230.68				J		20			CN	ST	RF					
BHT-203	230.72	231.00			hJs	x2	70		wh		PR						
BHT-203	231.12				V		70		rd	VN	UN			5			
BHT-203	231.17				J		20			CN	PR	SM					
BHT-203	231.30	231.50			hJs	x7	45		gn, wh	SN	PR	RF					
BHT-203	231.40				V		45		gn	VN	PR			7			
BHT-203	231.50	231.90			Vs	x5	40		wh	VN	PR-CU			16			
BHT-203	232.02	232.94			hJs	x6	35		wh	VN	CU			7			
BHT-203	232.05				J		70		gn	CN	PR	SM					
BHT-203	232.21	232.51			V		50		gn	CN	UN			5			
BHT-203	232.70				J		40			CN	PR-ST						
BHT-203	233.15				V		50		wh	VN	CU			5			
BHT-203	233.20				V		40		gn	VN	CU			8			
BHT-203	233.27				J		50			CN	PR-CU	RF					
BHT-203	233.40				J		70		wh, pk, mi Qtz	VN	PR	RF					
BHT-203	233.80	233.95			hJs	x3	70		gn		PR						
BHT-203	234.00	234.29			J		20		rd, pk	CN-SN	PR	RF					
BHT-203	234.14	236.14			J		20		pk		IR	RF					
BHT-203	234.19				hJ		30		pk	SN	CU						
BHT-203	234.35	234.50			hJs	x3	20		wh	infilled	PR-CU						
BHT-203	234.90				V		45		gn, bk	VN	UN			10			
BHT-203	234.90	235.00			hJs	x2	65		gn		CU-UN						
BHT-203	234.92				J		20		gn	CN-SN	UN	RF					
BHT-203	234.95				V		30		bk	VN	UN-CU			5			
BHT-203	235.30				V		80		wh, pk	VN-SN	UN			5			
BHT-203	235.35				J		10		pk	CN-SN	PR	RF					
BHT-203	235.54				V		40		bk, gn	VN	UN-PR			8			
BHT-203	235.58				J		30			CN	UN	RF					
BHT-203	235.96				V		35		wh	VN	IR-UN			5			
BHT-203	236.00	236.42			Vs	x3	65		pk	VN	PR			5			
BHT-203	236.04				V		60		bk	VN	PR						
BHT-203	236.12				V		30		bk	VN	PR						
BHT-203	236.54				J		45			CN	PR	RF					
BHT-203	236.90				V		25		wh, gn mi Qtz	VN	CU						
BHT-203	237.04	237.44			hJs	x8	20		gn	SN	PR-UN						
BHT-203	237.16	237.37			AZ		45		multiples healed joints and alteration.	VN	IR						
BHT-203	237.40				V		45		gn, bk	VN	PR			17			
BHT-203	237.56				hJ		45		wh	VN	PR						
BHT-203	237.60	237.86			hJs	x3	75		wh	VN	PR						
BHT-203	237.60	237.89			hJs	x6	25		bk	VN	PR						
BHT-203	237.65				V		85		wh, bk	VN	UN-PR-CU			5			
BHT-203	237.72				J		45			CN	PR	RF					
BHT-203	237.78	268.00			hJs	x13	30		gn, wh	infilled	CU						
BHT-203	238.05				V		5		wh	VN	PR			5			
BHT-203	238.17				J		30			CN	ST-IR	RF					
BHT-203	238.30				V		70		pk, wh	VN-SN	UN			70			
BHT-203	238.40	238.70			hJs	x7	20		wh	VN	PR						
BHT-203	238.42				J		25			CN	ST-IR						
BHT-203	238.68				J		10		rd	CN-SN	ST-IR						
BHT-203	238.73				V		45		bk, gn	VN	UN			7			
BHT-203	238.85				V		60		bk, pk	VN	PR-UN						
BHT-203	238.97				J		10			CN	PR						
BHT-203	239.35	239.38			J		10			CN	UN						
BHT-203	239.45	239.70			hJs	x6	15		wh	VN	PR						
BHT-203	239.67				V		640		gn	VN	UN-CU						
BHT-203	239.70				J		15			CN	UN						
BHT-203	239.96				J		70			CN	PR-ST	RF					
BHT-203	240.09				J		5			SN	ST-PR	RF					
BHT-203	240.40				J		10			CN	ST-PR	RF					
BHT-203	240.50	240.77			hJs	x5	15		gn	SN	PR						
BHT-203	240.82	240.98			hJ		25		pk	SN	PR						
BHT-203	241.10				V		40		gn	VN	UN			7			
BHT-203	241.60	241.73			hJ		25		pk, gn	SN	PR-UN						

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHT-203
Defects List

PointID	Depth	Bottom	Fracture Set	Defect Number	Type	Type Suffix	Dip Minimum (degrees)	Dip Maximum (degrees)	Infilling Material	Aperture Observation	Planarity	Roughness	Aperture Measurement Sign	Aperture Measurement	Aperture	Spacing	Remark
BHT-203	241.63				V		30		gn	VN	UN			5			
BHT-203	241.85				V		20		bk	VN	UN			5			
BHT-203	242.20				hJ		70		wh	VN	PR						
BHT-203	242.25	242.50			hJ		30		bk	SN	PR						
BHT-203	242.35				J		30			CN	PR	RF-SM					
BHT-203	242.50				V		75		bk	VN	PR-ST			5			
BHT-203	242.80	242.98			hJ		30		bk	VN	PR-UN			5			
BHT-203	242.86				V		40		gn	VN	CU-UN			6			
BHT-203	243.15	243.30			hJ		30		bk, gn	SN	UN						
BHT-203	243.25				V		35		gn	VN	UN			8			
BHT-203	243.45	243.50			Vs	x4	30		gn	VN	UN-PR			13			
BHT-203	243.62				V		28		bk	VN	PR						
BHT-203	243.70	244.00			hJs	x7	30		bk, gn	SN	CU						
BHT-203	243.78	243.83			Vs	x2	65		gn	VN	PR			5			
BHT-203	244.00	244.55			Vs	x4	40		gn, bk	VN	PR			5			
BHT-203	244.68	244.95			Vs	x2	65		wh, pk	VN-SN	PR			5			
BHT-203	245.09				V		15		gn	VN	PR			5			
BHT-203	245.16	245.27			hJs	x5	40		pk	SN	PR						
BHT-203	245.28	425.77			hJs		50			SN	PR						black green x 15
BHT-203	245.65	245.90			hJs	x2	75		rd	SN	PR						
BHT-203	245.80				V		25		rn	VN	PR			6			
BHT-203	246.47				V		20		gn	VN	CU			5			
BHT-203	246.58	246.70			hJ		40		bk	VN	PR						
BHT-203	246.65	426.65			V		70			SN-VN	IR-ST						white pink potasic alteration 5mm-11mm
BHT-203	246.87				V		40		wh	VN	CU-UN			9			
BHT-203	246.89				J		20			CN	PR						
BHT-203	247.14				V		40		pk	VN	UN-CU			14			
BHT-203	247.29				J		60			CN	IR-ST	VR					
BHT-203	247.40				V		50		rd	SN-VN	PR						
BHT-203	247.57	247.80			hJ		20		wh, gn, bk, rd	VN	UN						
BHT-203	247.85	257.85			V		40		wh	VN	CU			9			
BHT-203	248.11	248.30			hJ		30		wh	VN	PR						
BHT-203	248.20				V		40		gn	VN	CU			8			
BHT-203	248.26				J		50		rd	SN-CN	PR						
BHT-203	248.59	248.96			hJ		35		wh	SN	PR						
BHT-203	248.68				V		30		gn	VN	UN			5			
BHT-203	249.00	249.10			J		30			CN	PR						
BHT-203	249.00	249.52			hJ		50		bk	SN	PR						
BHT-203	249.20				hJ		25		wh	SN	PR						
BHT-203	249.25				V		40		gn	VN	PR			6			
BHT-203	249.47				hJ		20		wh	VN	UN						
BHT-203	249.78	249.93			Vs	x4	35		gn, wh	VN	UN			5			
BHT-203	250.30				V		60		bk	VN	PR			5			
BHT-203	250.40				V		80		bk	VN	PR			5			
BHT-203	250.69	250.85			V		35		wh, bk gn	VN	PR			5			
BHT-203	251.48	252.70			Vs	x3	55		pk	VN	UN			5			
BHT-203	251.50	251.51			V		30		wh, gn	VN	UN			5			
BHT-203	251.94				J		35		pk	VN-SN	PR			5			
BHT-203	252.20	252.35			hJs	x5	25		bk	VN	PR						
BHT-203	252.57	252.63			hJs	x2	45		wh, pk	VN	PR						
BHT-203	252.64	252.84			hJs	x6	15		bk	VN	PR						
BHT-203	252.70				V		65		bk	VN	PR			5			
BHT-203	252.81				J		20			CN	UN	RF					
BHT-203	252.83	252.95			Vs	x2	40		bk	VN	UN			5			
BHT-203	253.01				V		30		wh, pk	VN	UN			5			
BHT-203	253.08	253.48			hJs	x19	40		gn	SN	PR-UN						
BHT-203	253.15				V		40		wh, mi Qtz	VN	UN			5			
BHT-203	253.20				J		40		gn	CN	PR						
BHT-203	253.42				J		45		gn	SN	UN						
BHT-203	253.60	253.68			J		30		rd	VN-SN	UN	RF		10			
BHT-203	253.70	254.15			V		75		pk	VN	UN			22			
BHT-203	253.84				J		40		rd	VN	PR						
BHT-203	254.14	254.38			V		75		pk, gn	VN	UN			45			
BHT-203	254.48	254.69			hJs	x2	50		wh, pk	VN	UN						
BHT-203	254.88	255.00			hJs	x4	30		bk	VN	PR						
BHT-203	255.25	255.45			hJs	x5	70		bk	VN	PR						
BHT-203	255.29	255.40			Vs	x2	20		wh, pk, gn	VN	CU-UN			5			
BHT-203	255.72	255.82			hJs	x2	40		pk	VN	UN-CU						
BHT-203	256.00	256.90			hJs	x12	40		wh, pk	VN	PR						
BHT-203	256.43				J		30		pk	SN	ST-IR	RF					
BHT-203	256.65	256.85			hJs	x4	60		bk	VN	PR						
BHT-203	257.00	257.35			V		80		bk	VN	PR-UN			8			
BHT-203	257.00	257.78			hJs	x10	70		bk	VN	PR						
BHT-203	257.12	257.25			hJs	x9	45		bk	VN	PR						
BHT-203	257.46				V		40		gn, bk	VN	CU			11			
BHT-203	257.68				J		35			CN	ST	RF					
BHT-203	258.25	258.33			hJs	x3	40		bk		CU-UN						
BHT-203	258.40				hJ		75		bk		UN						
BHT-203	258.80				hJ		35		pk		UN-CU						

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHT-203
Defects List

PointID	Depth	Bottom	Fracture Set	Defect Number	Type	Type Suffix	Dip Minimum (degrees)	Dip Maximum (degrees)	Infilling Material	Aperture Observation	Planarity	Roughness	Aperture Measurement Sign	Aperture Measurement	Aperture	Spacing	Remark
BHT-203	259.10				V		70		gn, yl	VN	PR			5			
BHT-203	259.38				hJ		45		pk	SN	PR						
BHT-203	259.57	259.90			hJs	x5	45		bk, gn	SN	PR-UN						
BHT-203	259.78	259.82			hJs	x2	80		bk		PR-UN						
BHT-203	259.86				J		10			CN	PR						
BHT-203	259.92	259.95			V		45		gn	VN	PR			5			
BHT-203	260.05				V		45		wh, pk	VN-SN	UN-CU			5			
BHT-203	260.05	260.06			J		10		pk	SN-CN	UN-IR	RF					
BHT-203	260.50				V		20		pk	VN	PR			9			
BHT-203	260.76				hJ		45		wh, pk	VN	UN						
BHT-203	261.03	261.35			hJs	x3	65		bk, gn	VN	PR						
BHT-203	261.84				V		80		gn	VN	PR			5			
BHT-203	261.92	261.95			hJ		40		wh, pk	SN	UN						
BHT-203	262.01				hJ		25		bk, gn	SN	PR						
BHT-203	262.15	262.44			hJs	x2	80		bk		PR						
BHT-203	262.50	262.95			hJs	x7	40		bk, gn, pk		PR						
BHT-203	262.75				J		25			CN	PR	RF					
BHT-203	263.43				J		20		pink	CN	PR	RF					
BHT-203	263.64	263.65			J		20		pink	CN	ST	RF					
BHT-203	263.65				hJs	x2	80		wh	VN	PR						
BHT-203	263.66				hJ		30		pk	SN	UN						
BHT-203	263.83	264.00			hJs	x3	28		bk, gn	SN	PR						
BHT-203	263.90				J		80		rd, gn	SN	PR	PO					
BHT-203	264.00	265.50			Vs	x2	45		bk, gn	VN	PR			7			
BHT-203	264.18				J		70		pk	SN	UN	SM					
BHT-203	264.19	264.32			hJs	x4	60		pk	SN	UN-CU						
BHT-203	264.44	264.94			hJ		60		wh, pk	SN	PR						
BHT-203	264.62	265.00			hJs	x3	70		bk, yl	SN	PR						
BHT-203	265.00	265.50			hJs	x6	30		pk	SN	PR						
BHT-203	265.06	267.50			hJs	x18	40		wh	VN	UN						
BHT-203	265.35				J		45			CN	UN-PR						
BHT-203	265.58				J		60			CN	PR	RF-SM					
BHT-203	265.75	265.97			J		70		gn, rd	CN-SN	PR	SM					
BHT-203	266.24				J		20			CN	CU	RF					
BHT-203	266.56				J		60			CN	UN						
BHT-203	266.76				J		60			CN	PR	SM					
BHT-203	267.33				J		45			CN	UN-IR						
BHT-203	267.56				J		20			CN	PR	SM					
BHT-203	267.75				J		65			CN	PR-ST	SM					
BHT-203	268.18	268.40			hJs	x2	68		wh	VN	PR						
BHT-203	268.50				hJ		75		wh	VN	PR						
BHT-203	268.55				J		75		gn	SN	PR	SM					
BHT-203	269.10	269.65			hJs	x5	80		wh	SN	PR						
BHT-203	269.64				J		30			CN	PR	SM					
BHT-203	270.42				J		40			CN	PR-UN						
BHT-203	270.60				J		80			CN	PR	SM					
BHT-203	270.78				J		70			CN	PR	SM					
BHT-203	271.30	273.00			hJs	x7	85		gn, wh	SN	PR						
BHT-203	271.68				J		30			CN	IR-UN						
BHT-203	271.95	271.99			J		70			CN	PR	SM					
BHT-203	272.18				J		80		gn	SN	PR	SM					
BHT-203	272.45	272.94			J		40			CN	PR	SM					
BHT-203	272.82	273.82			hJ		40		wh	VN	PR	RF					
BHT-203	273.40				J		20			CN	PR	RF					
BHT-203	273.89				J		30			CN	PR	SM					
BHT-203	273.93				hJ		80		gn, wh	VN	PR						
BHT-203	274.00	274.94			hJ		60		bk, wh	SN	PR-UN						
BHT-203	274.34	274.54			hJs	x2	75		wh	VN	PR						
BHT-203	274.49				J		35			CN	PR	SM					
BHT-203	274.87				hJ		75		wh	SN	PR						
BHT-203	275.03				J		40			CN	PR						
BHT-203	275.05	278.50			Js	x2	75		gn	CN-SN	PR	SM					
BHT-203	275.13				J		75		gn	SN	PR	SM					
BHT-203	275.20	275.50			hJ		80		wh	SN	PR						
BHT-203	275.30				J		75			VN	PR	SM					
BHT-203	275.85	278.37			hJs	x8	35		wh	VN	PR						
BHT-203	276.31				V		30		wh, gn	VN	UN-CU			6			
BHT-203	276.43				hJ		70		wh	VN	PR						
BHT-203	276.50				hJ		70		wh	VN	PR						
BHT-203	276.57				J		70			CN	PR	SM					
BHT-203	277.08				hJ		60		wh	SN	IR-ST						
BHT-203	277.12	277.91			J		20			CN	PR	SM					
BHT-203	277.35	278.30			hJs	x9	30		wh	SN	PR						
BHT-203	277.43	277.90			Js	x3	30			CN	PR						
BHT-203	278.30				J		25		gn	SN	PR	SM					
BHT-203	279.00	279.70			J		70		rd, yl gn	SN	PR						
BHT-203	279.00	280.90			hJs	x23	70		wh, mi pyrite	SN	PR						
BHT-203	279.06	279.10			hJs	x3	60		wh	VN	PR						
BHT-203	279.80				J		30			CN	PR	SM					

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHT-203
Defects List

PointID	Depth	Bottom	Fracture Set	Defect Number	Type	Type Suffix	Dip Minimum (degrees)	Dip Maximum (degrees)	Infilling Material	Aperture Observation	Planarity	Roughness	Aperture Measurement Sign	Aperture Measurement	Aperture	Spacing	Remark
BHT-203	280.00	280.90			J		45			CN	PR	SM					
BHT-203	281.20	281.92			V		70		wh	VN	UN			5			
BHT-203	281.52				J		60			CN	PR	SM-RF					
BHT-203	281.52	281.75			V		60		wh, mi pyrite	VN	IR-UN						
BHT-203	281.75	282.00			hJs	x6	60		wh, gn	VN	PR						
BHT-203	282.00	282.30			hJs	x4	40		wh	SN	PR						
BHT-203	282.52				V		75		wh	VN	UN			6			
BHT-203	282.70				J		20			CN	ST						
BHT-203	283.00				hJs	x8	40		wh	VN	PR						
BHT-203	283.00	283.63			J		40		gn	SN	PR	SM					
BHT-203	283.28				J		40			VN	CU-PR	SM					
BHT-203	283.30	285.35			hJs	x17	70		wh	VN	PR-CU						
BHT-203	283.94				J		35		gn	SN	PR	SM-PO					
BHT-203	284.25	284.95			J		75		gn	SN	PR	PO-SM					
BHT-203	284.44				J		40		wh	SN	PR	SM					
BHT-203	284.55	284.95			J		40		gn	SN	PR	PO-SM					
BHT-203	284.66	284.83			Vs	x3	80		wh	SN	PR						
BHT-203	284.80				J		70		wh, mi Qtz	VN	PR	PO-SM					
BHT-203	284.90				J		70		gn	SN	ST	SM-PO					
BHT-203	285.10	285.38			J		70		gn	SN	PR	PO-SM					
BHT-203	285.28				J		40		gn	SN	PR	PO-SM					
BHT-203	285.50				J		80		gn	SN	ST-PR	PO-SM					
BHT-203	285.86				J		45			CN	PR	SM					
BHT-203	286.00	287.00			hJs	x3	80		wh	SN	PR						
BHT-203	286.14				J		80		gn	SN	PR	SM					
BHT-203	286.20	286.90			hJs	x5	70		wh	SN	UN						
BHT-203	286.33				J		40			CN	UN	SM					
BHT-203	286.70				J		80		gn	SN	PR	SM					
BHT-203	286.97				J		45			CN	PR	SM					
BHT-203	287.10				J		80		gn	SN	PR	SM					
BHT-203	287.28				J		45		gn	SN	PR	SM					
BHT-203	287.35	287.45			hJs	x3	20		wh	SN	PR						
BHT-203	287.48	287.49			J		45		gn	SN	PR-UN	SM					
BHT-203	287.70	287.94			hJs	x3	80		wh	SN	PR						
BHT-203	287.90				J		45			CN	PR	SM					
BHT-203	288.20				J		30		gn	SN	PR	SM					
BHT-203	288.40				hJ		10		wh	SN	PR-UN						
BHT-203	288.50				J		45			CN	PR	SM					
BHT-203	288.70	289.18			hJs	x6	75		wh	SN	PR						
BHT-203	289.20				J		25			CN	PR	SM					
BHT-203	289.28				J		70			CN	PR	SM					
BHT-203	289.40				J		72		gn	SN	PR	SM					
BHT-203	289.65				hJ		40		wh	SN	PR						
BHT-203	289.80				J		75		gn	SN	PR	SM					
BHT-203	289.95				J		40			CN	PR	SM					
BHT-203	290.05	291.01			Js	x4	45			CN	PR	SM					
BHT-203	290.18				J		75		gn	SN	PR	SM					
BHT-203	291.66				hJ		45		pyrite	SN	PR-UN						
BHT-203	291.74	292.30			hJs	x2	85		gn, wh	SN	UN-IR	SM					
BHT-203	292.00	293.00			Js	x3	85		gn, wh	SN	IR-ST	SM					
BHT-203	292.20	296.10			AZ		45		multiples healed joints with different direction	SN-VN	IR						
BHT-203	292.40	292.67			J		70		gn	SN	PR	SM					
BHT-203	292.56				V		20		gn	VN	PR-UN			5			
BHT-203	292.84				hJ		20		wh	VN	PR						
BHT-203	292.98				hJ		45		wh	SN	PR						
BHT-203	293.05				V		50		gn	VN	PR-CU			38			
BHT-203	293.38				hJ		45		pyrite	SN	PR						
BHT-203	293.48	294.00			hJs	x5	70		wh	VN	PR						
BHT-203	293.88				J		10		pk	SN-CN	PR	RF-SM					
BHT-203	294.20	294.40			hJ		50		gn	VN-SN	PR			8			
BHT-203	294.70	294.94			AZ		50		multiples Healed joints in different direction	VN	PR-IR						
BHT-203	295.00	295.50			hJs	x4	45		gn	SN	PR						
BHT-203	295.00	295.52			hJs	x5	70		gn, wh	SN	PR						
BHT-203	295.20				J		20			CN	PR	PO-SM					
BHT-203	295.85	295.86			V		70		wh, gn	SN	PR			5			
BHT-203	296.00	296.25			V		28		gn	VN	PR			5			
BHT-203	296.02				V		30		gn	VN	PR			7			
BHT-203	296.45				V		10		wh, gy	VN	UN			7			
BHT-203	296.56				J		20			CN	UN	SM					
BHT-203	296.63				hJ		80		wh	SN	UN						
BHT-203	296.76				hJ		75		wh	SN	UN-PR						
BHT-203	296.86				J		65			CN	PR	SM					
BHT-203	296.93				J		30			CN	PR	SM					
BHT-203	297.20	397.48			FZ		45			CN	IR-PR	SM-PO					multiples jts and potasic alteration
BHT-203	297.40				hJ		75		wh, mi pyrite	SN	PR						
BHT-203	297.50	297.95			J		70		qtz	CN	PR	SM					
BHT-203	298.02	298.05			J		70		qtz	CN	PR	SM					
BHT-203	298.20				J		80			CN	PR	SM					
BHT-203	298.80	299.00			hJs	x4	40		wh	VN	PR-UN			5			

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHT-203
Defects List

PointID	Depth	Bottom	Fracture Set	Defect Number	Type	Type Suffix	Dip Minimum (degrees)	Dip Maximum (degrees)	Infilling Material	Aperture Observation	Planarity	Roughness	Aperture Measurement Sign	Aperture Measurement	Aperture	Spacing	Remark
BHT-203	299.00	299.35			hJs	x14	45		gn	VN	UN						
BHT-203	299.07				J				wh	CN	PR-CU	SM					
BHT-203	299.15	299.25			hJs	x2	20		wh	SN	PR						
BHT-203	299.85	300.09			Vs	x4	35		wh, pk	VN	PR-CU						
BHT-203	300.00	300.32			V		35		whm pk	VN	PR-CU			5			
BHT-203	300.18				J		75		gn, wh	CN-SN	PR	SM					
BHT-203	300.48				hJ		45		wh	VN	PR-UN						
BHT-203	300.64				J		10			CN	PR	SM-RF					
BHT-203	300.74				hJ		30				PR						white
BHT-203	300.82				V		50			VN	PR-IR						pale yellow
BHT-203	300.95				V		45			VN-SN	PR						green 12mm
BHT-203	301.00				hJ		85				PR						green
BHT-203	301.02				V		30			VN	PR						white
BHT-203	301.15				J		5			CN	PR						green epidote
BHT-203	301.32				hJs		70				PR						white pyrite x2
BHT-203	301.43	301943.00			hJ		90			SN	PR						black pyrite red
BHT-203	301.48				hJ		10				PR						white red
BHT-203	301.56				hJ		40				PR						gray green
BHT-203	301.72				J		30			CN	PR-ST						
BHT-203	301.75				hJ		30			SN	PR						white Gray pyrite
BHT-203	301.84				V		72			VN	PR						black white
BHT-203	301.92				J		70			VN-SN	PR	SM-PO					white green
BHT-203	302.01				V		15			VN	PR						green <5mm
BHT-203	302.05				V		75			SN-VN	PR-IR						green pale yellow
BHT-203	302.27				V					VN	PR						green <5mm
BHT-203	302.30				V		30			VN	PR						black
BHT-203	302.30	302.40			hJs		70				PR						white black
BHT-203	302.52				J		25			CN	UN	RF					
BHT-203	302.54				V		30			VN	PR						white
BHT-203	302.56	303.00			hJs		50				PR						black x9
BHT-203	302.58	303.00			hJs		60				PR						white
BHT-203	302.62	302.75			hJ		45				PR						white x3
BHT-203	302.80	303.00			hJs		70				PR						white
BHT-203	302.98				J		45			CN	PR	SM					
BHT-203	303.03				hJ		70			VN	CU-UN	RF					wh, up to 1mm
BHT-203	303.04				hJ		5			VN	UN	RF					Wh, up to 1mm
BHT-203	303.05				J		60			CN	PR	RF					joint is wh, up to 2mm, vein is wh mi, up to 2mm
BHT-203	303.09	303.17			hJs		40			VN	CU-UN	RF					x3, wh, up to 1mm
BHT-203	303.26				hJ		5			VN	UN	RF					wh, up to 1mm
BHT-203	303.40				J		5			CN	UN	RF					up to 1mm
BHT-203	303.44	303.50			hJs		40			VN	CU	RF					wh,grey, up to 1mm
BHT-203	303.55				J		20			CN	ST-UN	RF					open up to 10mm
BHT-203	303.58				hJ		50			SN	PR	RF					gray, up to 1mm
BHT-203	303.68				hJ		10			VN	CU	RF					wh, up to 1mm
BHT-203	303.90				hJ		60			VN	CU	RF					wh, up to 1mm
BHT-203	303.94				hJ		30			VN	CU	RF					wh, up to 1mm
BHT-203	303.97				hJ		10			VN	CU	RF					wh, up to 1mm
BHT-203	304.04	304.34			hJs		20				PR-IR						Wh, x16
BHT-203	304.07	304.18			Js		50				IR	RF-VR-SL					wh,gr, x3
BHT-203	304.27				J		70			VN	PR-UN	RF					wh
BHT-203	304.30	304.38			Vs		25			VN	PR-UN						wh mi, x3
BHT-203	304.42				J		75			VN	PR	SM-RF					green veneer
BHT-203	304.47				V		65			VN	UN-PR						wh, green mi, less than 5mm
BHT-203	304.50				hJ		45				PR-UN						blk
BHT-203	304.55	304.87			hJs		70				PR						blk, x4
BHT-203	304.64				V		20				UN						wh, green, less than 5mm
BHT-203	304.68				V		60				IR						grey and green, less than 5mm
BHT-203	304.84				V		15				CU						green mi
BHT-203	305.04	305.26			hJs		70				PR						green and white, x4
BHT-203	305.45				J		20			CN	PR						
BHT-203	305.57				V					SN-VN	PR						wh, pink, green, pyrite, less than 5mm
BHT-203	305.64				hJ		45				PR						blk
BHT-203	305.70				J		5			CN	IR	RF-SM					
BHT-203	305.72	306.00			Vs		60				PR-UN						grey mi, 3 to 12 mm
BHT-203	305.84	305.88			hJs		30				PR						blk, x5
BHT-203	305.96	306.15			Vs		70				UN						grey, less than 5mm
BHT-203	306.16				V		70			VN	UN						pale yl, less than 5mm
BHT-203	306.25				hJ		10			VN	PR						blk
BHT-203	306.34				J		30			CN	UN	RF					
BHT-203	306.41				V		60			VN	PR						wh, gr, blk, 8mm
BHT-203	306.56				DB												
BHT-203	306.60	307.00			hJs		50				PR						blk, x5
BHT-203	306.75	306.87			hJs		5			SN							wh, pink x2
BHT-203	306.90				hJ		70										grey and blk
BHT-203	307.00	307.63			hJs		85				UN						dark green x3
BHT-203	307.11	307.36			hJs		35				PR						white/dark green x4
BHT-203	307.32	307.82			hJs		80				UN						black x5
BHT-203	307.46	307.72			hJs		65				PR-UN						white/dark green x2
BHT-203	307.87				V		20			VN	PR-CU						qz/greenish 2-5mm

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHT-203
Defects List

PointID	Depth	Bottom	Fracture Set	Defect Number	Type	Type Suffix	Dip Minimum (degrees)	Dip Maximum (degrees)	Infilling Material	Aperture Observation	Planarity	Roughness	Aperture Measurement Sign	Aperture Measurement	Aperture	Spacing	Remark
BHT-203	307.89	308.11			hJs		90				PR-UN						black x3
BHT-203	307.91	307.95			hJs		10				PR						black x 3
BHT-203	308.02	308.15			hJs		15				PR						pale pink x2
BHT-203	308.10	308.26			hJs		30				CU						pale pink x4
BHT-203	308.14	308.25			Js		15			SN-VN	CU	SM					white/pink stains
BHT-203	308.21				hJs		45				PR						dark grey
BHT-203	308.46	308.70			hJs		65				PR-CU						dark grey x7
BHT-203	308.72				V		70			VN	PR-CU						dark grey 10-20mmm
BHT-203	308.76				hJ		30				PR-CU						dark grey 5mm
BHT-203	308.84	308.95			Js		10			CN	CU-UN	RF					x3
BHT-203	309.02	309.72			hJs		30				PR						white x 7
BHT-203	309.12	309.51			hJs		75				PR						white x 3
BHT-203	309.21	309.78			hJs		45				PR						white x 3
BHT-203	309.41				J		75			VN	PR-CU	SM					qz 2-4mm
BHT-203	309.44				J		60			VN	CU-UN	SM					qz vein
BHT-203	309.58				J		5			CN	UN-ST	RF					
BHT-203	310.05				V		70			VN	PR-CU						qz 2-4mm
BHT-203	310.09	310.55			hJs		70				PR						white/black x 5
BHT-203	310.35				J		10			CN	CU	RF					
BHT-203	310.66	310.97			hJs		35				PR						white x 6
BHT-203	311.05				hJs		45				PR						white x7
BHT-203	311.10	312.10			hJs		70				PR						white x 5
BHT-203	311.33				V		40			VN	PR						Gray <5mm
BHT-203	311.65				V		55			VN	PR-CU						Gray 6mm
BHT-203	311.75				V		50			VN	PR						white 7mm
BHT-203	311.84				hJ		80			VN	UN-PR						green pale yellow 1mm -7mm
BHT-203	311.87				J		40			CN-SN	PR	RF-SM					pink
BHT-203	311.91				hJ		50				PR						green pyrite
BHT-203	312.19				V		70			VN	PR						green
BHT-203	312.21	313.60			V		70			VN-SN	PR-UN						green <5mm x 11 pyrite diseminate
BHT-203	312.70				V		80			VN-SN	UN						green white
BHT-203	313.48				V		80			VN	PR-CU						white pyrite
BHT-203	313.67	313.83			hJ		30				PR						white x4
BHT-203	313.85				hJ		70				PR						white green
BHT-203	313.95				V		60			VN	PR-UN-IR						green
BHT-203	314.02				V		80			VN	PR-UN						green
BHT-203	314.18	315.00			V		80			VN	PR						green x9 5mm - 30mm pyrite disseminate
BHT-203	315.00				hJ		60		wh	VN	PR						
BHT-203	315.02				hJ		30		wh	SN	PR						
BHT-203	315.10				hJ		30		bk and wh	VN	PR						
BHT-203	315.11				V		85		wh	SN	CU			2			
BHT-203	315.64				Vs	x2	70		wh	VN	PR			2			
BHT-203	315.73				J		5			CN	ST-IR	RF					
BHT-203	315.92				hJs	x2	60		wh	SN	PR						
BHT-203	316.00				V		90		wh	SN	CU			3			
BHT-203	316.02				hJs	x2	60		wh	SN	PR						
BHT-203	316.20				J		50			CN	CU	RF					
BHT-203	316.30				hJ		70		wh	SN	PR						
BHT-203	317.23				J		20			CN	PR	SM					
BHT-203	317.24				hJ		80		wh	SN	PR						
BHT-203	317.25				V		30		wh	SN	PR			3			
BHT-203	317.53				hJ		75		wh	SN	PR						
BHT-203	317.54				J					CN	IR	RF					
BHT-203	317.73				V		30		wh	SN	PR			3			
BHT-203	317.92				J		10			CN	IR	RF					
BHT-203	318.00				hJ		60		wh	SN	PR						
BHT-203	318.10				hJ		80		wh	SN	PR						
BHT-203	318.28				hJ		60		wh	SN	PR						
BHT-203	318.32				J		5			CN	CU	RF					
BHT-203	318.63				hJs	x2	70		wh	SN	PR						
BHT-203	318.67				hJ		30		wh	SN	PR						
BHT-203	319.00				J		60			CN	PR	RF					
BHT-203	319.45				J		5			CN	PR	RF					
BHT-203	319.60				J		70			CN	PR	RF					
BHT-203	319.68				VN		30		wh, mi Qtz, yl	CT	PR			20			
BHT-203	319.85				hJ		60		wh	VN	PR						
BHT-203	320.15	320.60			hJ		80		wh	VN	PR						
BHT-203	320.54				VN		10		wh, mi Qtz	CT	PR			2			
BHT-203	320.60				hJs	x4	10		wh	VN	PR						
BHT-203	320.69				J		10			CN	PR	RF					
BHT-203	320.72				J		10			CN	IR	RF					
BHT-203	320.73				J		70			CN	PR	SM					
BHT-203	320.78				hJ		60		wh	SN	PR						
BHT-203	320.83				hJ		10		wh	SN	PR						
BHT-203	320.90				J		5			CN	PR	SM					
BHT-203	321.13				J		30			CN	CU	SM					
BHT-203	321.18				hJ		30		wh	SN	PR						
BHT-203	321.20				hJ		80		wh	VN	PR						
BHT-203	321.28				hJ		45		wh	SN	PR						

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHT-203
Defects List

PointID	Depth	Bottom	Fracture Set	Defect Number	Type	Type Suffix	Dip Minimum (degrees)	Dip Maximum (degrees)	Infilling Material	Aperture Observation	Planarity	Roughness	Aperture Measurement Sign	Aperture Measurement	Aperture	Spacing	Remark
BHT-203	321.34				J		5			CN	CU	SM					
BHT-203	321.76				hJ		50		bk	VN	PR						
BHT-203	322.00				hJ		80		wh	VN	PR						
BHT-203	322.24				J		5			CN	IR	RF					
BHT-203	322.25				hJ		60		wh	VN	PR						
BHT-203	322.40				hJ		90		wh	VN	PR						
BHT-203	322.43				hJ		45		wh	VN	PR						
BHT-203	322.52				hJ		70		wh	VN	CU						
BHT-203	322.64				V		60		wh, yl	VN	UN						
BHT-203	322.71				J		5			CN	CU	RF					
BHT-203	322.73				hJ		30		white	SN	PR						
BHT-203	322.86				hJ		70		white	SN	PR						
BHT-203	322.96				hJ		30		bk	VN	PR						
BHT-203	323.00				hJ		90		wh	VN	PR						
BHT-203	323.18				J		10			CN	IR	RF					
BHT-203	323.19	323.40			hJs	x2	70		wh	SN	PR						
BHT-203	323.26				J		20			CN	PR	SM					
BHT-203	323.34				J		30			CN	PR	SM					
BHT-203	323.50				J		45			CN	PR	RF-SM					
BHT-203	323.56	323.96			hJs	x6	70		wh	CT	PR			2			
BHT-203	323.96				hJ		50		wh	VN	PR						
BHT-203	324.10				hJs	x2	60		wh	VN	PR						
BHT-203	324.20				hJs	x2	30		wh	VN	PR						
BHT-203	324.40				hJ		20		wh	VN	PR						
BHT-203	324.54				V		60		wh, mi Qtz	CT	PR			2			
BHT-203	324.90				hJ		90		wh	VN	UN						
BHT-203	325.00				hJ		45		bk	VN	PR						
BHT-203	325.08				hJ		70		wh	VN	CU						
BHT-203	325.10				hJ		20		wh	VN	CU						
BHT-203	325.74				CO		70		bk	VN	CU						
BHT-203	325.91				hJ		5		bk	VN	PR						
BHT-203	326.10				hJ		80		wh	VN	PR						
BHT-203	326.40				hJs	x2	90		wh	VN	PR						
BHT-203	326.63				J		60			CN	CU	RF					
BHT-203	326.70				hJ		65		pale yl	SN	PR						
BHT-203	326.85				hJ		60		pale yl	SN	PR						
BHT-203	327.00				V		10		wh, mi Qtz	CT	PR			2			
BHT-203	327.10				hJ		80		pale yl	VN	PR						
BHT-203	327.40				hJs	x2	60		pale yl	VN	PR						
BHT-203	327.45				J		30			CN	PR	SM					
BHT-203	327.70	327.83			hJ		70		pale yl	SN	PR-CU						
BHT-203	327.88	327.98			hJs	x2	5		wh	VN	PR						
BHT-203	327.90				hJ		70		bk	VN	PR						
BHT-203	327.95				MB				wh	VN	PR						
BHT-203	328.20				hJ		60		wh	VN	PR						
BHT-203	328.37				J		40			CN	UN	SM					
BHT-203	328.45				hJ		45		bk	SN	PR						
BHT-203	328.46				hJ		60		pale yl	SN	PR						
BHT-203	328.51				J		30			CN	UN	SM					
BHT-203	328.55				hJ		70		pale yl	SN	PR						
BHT-203	328.84				hJ		30		bk	VN	PR						
BHT-203	328.87				hJ		70		wh	VN	PR						
BHT-203	328.92				hJ		60		wh	SN	PR						
BHT-203	329.13				hJ		70		wh	VN	PR						
BHT-203	329.30				V		70		wh-yl	CT	PR			2			
BHT-203	329.45				hJ		30		pale yl	VN	PR						
BHT-203	329.48				hJ		70		wh, mi Qtz	VN	PR						
BHT-203	329.50				V		45		wh, mi Qtz	CT	PR-UN			3			
BHT-203	329.62				hJ		80		bk and wh	VN	PR						
BHT-203	329.64				hJ		65		bk and wh	VN	PR						
BHT-203	329.90				hJ		90		bk and wh	VN	PR						
BHT-203	330.10				hJ		60		pale yl	VN	PR						
BHT-203	330.20				hJ		90		bk	VN	PR						
BHT-203	330.46				hJ		30		pale yl	VN	PR						
BHT-203	330.73				V		20		wh, mi Qtz	CT	PR			3			
BHT-203	330.88				V		5		gn	CT	PR			2			
BHT-203	331.05				hJ		90		bk	VN	PR						
BHT-203	331.10				hJ		70		gn	VN	PR						
BHT-203	331.35				hJ		80		gn and bk	VN	PR						
BHT-203	331.43				hJ		70		wh	VN	PR						
BHT-203	331.73				hJ		60		pale yl	VN	PR						
BHT-203	331.80				hJ		80		bk	VN	PR						
BHT-203	331.90				V		60		wh Qtz and bk	CT	PR			3			
BHT-203	332.05				V		45		wh Qtz and bk	CT	PR			3			
BHT-203	332.12				V		60		wh Qtz and bk	CT	PR			2			
BHT-203	332.15				V		70		wh, mi Qtz-carb	CT	UN			5			
BHT-203	332.24				V		80		wh, mi Qtz-carb	CT	PR			4			
BHT-203	332.35				hJ		10		bk	VN	PR						
BHT-203	332.50				hJ		40		bk and gn	VN	PR						

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Defects List

PointID	Depth	Bottom	Fracture Set	Defect Number	Type	Type Suffix	Dip Minimum (degrees)	Dip Maximum (degrees)	Infilling Material	Aperture Observation	Planarity	Roughness	Aperture Measurement Sign	Aperture Measurement	Aperture	Spacing	Remark
BHT-203	332.62				V		45		wh, Qtz,	CT	PR			2			
BHT-203	332.67				J		30			CN	UN	RF					
BHT-203	332.70				V		40		wh, mi Qtz-carb	CT	PR			2			
BHT-203	332.90				V		65		wh, mi Qtz-carb	CT	PR			8			
BHT-203	333.10				hJ		30		bk	VN	PR						
BHT-203	333.28				J		10			CN	IR	RF					
BHT-203	333.35				hJ		40		bk	SN	PR						
BHT-203	333.39				hJ		70		bk	VN	PR						
BHT-203	333.49				J		5			CN	IR	RF					
BHT-203	333.50				V		30		wh, mi Qtz-carb	CT	PR			3			
BHT-203	333.68				V		70		wh, mi Qtz-carb	CT	PR			3			
BHT-203	333.82				J		10			CN	IR	RF					
BHT-203	334.08				hJ		30		bk	VN	PR						
BHT-203	334.15				V		60		wh, mi Qtz-carb	CT	PR			10			
BHT-203	334.20				hJ		70		wh, gn	SN	PR						
BHT-203	334.25				hJ		20		wh	SN	PR						
BHT-203	334.30				hJ		90		bk	SN	PR						
BHT-203	334.63				hJ		60		wh	SN	PR						
BHT-203	334.78				J		30			CN	IR	RF					
BHT-203	335.10				hJ		45		bk	SN	PR						
BHT-203	335.16				hJ		50		bk	SN	PR						
BHT-203	335.28				V		60		wh, mi Qtz-carb	CT	PR			2			
BHT-203	335.31				hJ		50		pale yl	VN	PR						
BHT-203	335.61				V		70		bk	CT	PR			2			
BHT-203	335.68				V		80		bk	CT	PR			2			
BHT-203	335.76				hJ		30		bk	VN	PR						
BHT-203	335.84				V		45		bk	CT	PR			2			
BHT-203	335.91				V		60		wh, pale yl, mi Qtz	CT	PR			2			
BHT-203	336.00				V		60		bk	CT	PR			2			
BHT-203	336.08				V		80		bk	CT	PR			2			
BHT-203	336.14				V		80		bk	CT	PR			2			
BHT-203	336.19				V		20		bk	CT	PR			2			
BHT-203	336.30				hJs	x4	50		bk	VN	PR						
BHT-203	336.31				hJs	x2	85		bk	VN	PR						
BHT-203	336.44				V		70		bk	CT	PR			2			
BHT-203	336.60				V		60		wh	CT	PR			2			
BHT-203	336.61				hJ		60		bk	VN	PR						
BHT-203	336.69				hJ		50		bk	VN	PR						
BHT-203	336.78				hJ		70		wh	VN	PR						
BHT-203	336.80				V		70		wh, pale yl, mi Qtz, pk alteration	VN	CU-UN	RF		3			
BHT-203	336.84				J		10			CN	IR	RF					
BHT-203	336.88				V		5		bk	SN	PR						
BHT-203	336.91				J		90			CN	UN	RF					
BHT-203	337.06	337.24			J		10			CN	UN-ST	RF					
BHT-203	337.26				V		10		wh, pale yl, mi Qtz	VN	CU			3			
BHT-203	337.40				hJ		60		white	VN	PR						
BHT-203	337.63				hJ		70		white	VN	PR						
BHT-203	337.74	337.79			J		20		white	SN	PR	RF					
BHT-203	337.77				hJ		70		white	VN	PR						
BHT-203	337.80				hJ		85		wh	VN	CU						
BHT-203	337.98				hJ		70		wh	VN	PR						
BHT-203	338.11				hJ		40		bk	VN	PR						
BHT-203	338.23				V		30		wh, mi, Qtz	CT	UN			2			
BHT-203	338.30				V		10		wh, Qtz, yl	CT	CU			4			
BHT-203	338.37				J		20			CN	CU	RF					
BHT-203	338.41				V		70		pale yl, wh	VN	PR						
BHT-203	338.63				hJ		20		wh	VN	PR						
BHT-203	338.70				hJ		60		wh	VN	PR						
BHT-203	338.82				V		75		wh, mi, Qtz	CT	PR			2			
BHT-203	338.90				hJs	x2	60		wh	VN	PR						
BHT-203	339.23				V		90		wh, gn	Vt	UN			5			
BHT-203	339.48				J		5			CN	IR	RF					
BHT-203	339.68				hJ		70		bk	VN	PR						
BHT-203	339.70				V		80		pale yl	CT	CU			3			
BHT-203	339.86				V		10		wh, pale yl, mi Qtz	CT	UN			2			
BHT-203	339.90				V		60		wh, pale yl, mi Qtz	CT	PR			3			
BHT-203	340.00				hJ		45		pale yl	VN	PR						
BHT-203	340.02				V		80		wh, pale yl, mi Qtz	VN	CU						
BHT-203	340.10				hJ		50		bk	VN	PR						
BHT-203	340.20				hJ		60		pale yl	VN	UN						
BHT-203	340.35				V		45		yl, mi Qtz	CT	PR			2			
BHT-203	340.40				V		80		gn, yl	VN	CU						
BHT-203	340.60				V		40		gn, yl	SN	PR						
BHT-203	340.65				hJs	x2	80		bk	SN	PR						
BHT-203	340.93				hJ		20		bk	SN	PR						
BHT-203	341.40				hJ		20		wh	SN	PR						
BHT-203	341.42				J		70		wh, mi Qtz	VN	PR	RF					
BHT-203	341.52				V		60		pale yl, gn	VN	PR						
BHT-203	341.74	341.89			hJ		60		pale yl	VN	PR						

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHT-203
Defects List

PointID	Depth	Bottom	Fracture Set	Defect Number	Type	Type Suffix	Dip Minimum (degrees)	Dip Maximum (degrees)	Infilling Material	Aperture Observation	Planarity	Roughness	Aperture Measurement Sign	Aperture Measurement	Aperture	Spacing	Remark
BHT-203	342.00				hJ		5		wh, Qtz, pk alteration	VN	CU						
BHT-203	342.05				V		70		pale yl, gn	VN	PR						
BHT-203	342.26				J		10		wh, mi Qtz	VN	PR	SM					
BHT-203	342.27				hJ		40		bk	SN	PR						
BHT-203	342.30				V		45		pale yl, gn	SN	PR						
BHT-203	342.37				V		10		wh, mi Qtz	VN	PR			1			
BHT-203	342.43				V		10		wh, mi Qtz	CT	CU			3			
BHT-203	342.45				hJ		80		wh	VN	PR						
BHT-203	342.52				hJs	x2	70		bk	VN	PR						
BHT-203	342.60	342.78			hJs	x2	50		wh	VN	PR						
BHT-203	342.80				hJ		30		wh	VN	PR						
BHT-203	342.84				J		10		wh, mi Qtz	CT	UN	RF		3			
BHT-203	342.85				hJ		80		wh	VN	PR						
BHT-203	342.94	343.08			hJ				highly altered green oxidised zone	CN	IR	VR					
BHT-203	343.02				J		30		wh, mi Qtz	CT	PR	RF		2			
BHT-203	343.03				J		90		wh, mi Qtz	CT	PR	RF		2			
BHT-203	343.08				hJ		60		wh	SN	PR						
BHT-203	343.10				V		10		wh, mi Qtz	CT	PR			4			
BHT-203	343.15				hJ		60		bk	VN	PR						
BHT-203	343.23				hJ		70		wh	VN	PR						
BHT-203	343.30				V		10		wh, mi Qtz, rd	CT	CU			2			
BHT-203	343.33				J		10		wh, mi Qtz, rd	CT	PR	RF		5			
BHT-203	343.38				V		10		wh, mi Qtz	SN	PR						
BHT-203	343.54				hJ		60		bk	SN	PR						
BHT-203	343.60				Vs	x2	5		wh, mi Qtz	VN	PR			1			
BHT-203	343.94				V		70		wh, mi Qtz	CT	PR-CU			4			
BHT-203	344.00				hJ		90		bk	VN	PR						
BHT-203	344.03				V		60		wh, mi qtz-carb	CT	PR			2			
BHT-203	344.08				V		40		wh, mi qtz-carb	CT	PR			3			
BHT-203	344.16				hJs	x2	20		wh, Qtz	VN	PR						
BHT-203	344.26				hJ		20		pale yl, gn	VN	PR						
BHT-203	344.55				hJs	x3	20		Bk gn	VN	PR						
BHT-203	344.90				hJ		10		wh, Qtz	VN	PR						
BHT-203	344.94				J		10		wh, Qtz	VN	UN	SM					
BHT-203	345.15				hJ		50		bk	VN	PR						
BHT-203	345.37				J		20		wh, Qtz	VN	CU	RF					
BHT-203	345.56	345.74			hJ		60		bk	VN	PR						
BHT-203	345.72				hJ		70		bk	VN	PR						
BHT-203	345.76				J		10		wh, Qtz, and rd	SN	PR	SM					
BHT-203	345.85				hJs	x3	30		bk	VN	PR						
BHT-203	345.92				V		5		wh, Qtz	CT	PR			4			
BHT-203	345.97				V		10		wh, Qtz, and rd	CT	PR			4			
BHT-203	346.01				hJ		10		wh, Qtz	VN	PR						
BHT-203	346.12				J		10		rd	SN	CU	RF					
BHT-203	346.36				hJ		75		wh	VN	PR						
BHT-203	346.54				hJ		80		pale yl, mi Qtz	VN	PR						
BHT-203	346.57				hJ		20		pale yl	VN	PR						
BHT-203	346.67				hJ		70		yl	VN	PR						
BHT-203	346.83				hJ		70		bk	VN	PR						
BHT-203	346.90				hJ		70		yl	VN	PR						
BHT-203	347.12				hJ		30		yl	VN	PR						
BHT-203	347.17				J		20			CN	ST	SM					
BHT-203	347.23				J		10		wh	VN	PR	SM					
BHT-203	347.27				V		80		yl, gn	CT	PR						
BHT-203	347.32				hJs	x2	10		wh	CT	PR						
BHT-203	347.60				J		20		wh	VN	PR	SM					
BHT-203	347.93				J		20		wh	VN	PR	SM					
BHT-203	348.24				hJ		45		wh	VN	PR						
BHT-203	348.26				hJ		60		wh	VN	PR						
BHT-203	348.37				hJ		70		wh	VN	PR						
BHT-203	348.39				J		70			CN	PR	RF					
BHT-203	348.42				V		30		wh, Qtz	VN	PR			2			
BHT-203	348.52				hJ		40		wh	VN	PR						
BHT-203	348.55				J		40		wh	VN	PR	RF					
BHT-203	348.56				J		80			CN	PR	RF					
BHT-203	348.76				hJ		40		wh	VN	PR						
BHT-203	349.08				J		30		wh	VN	PR	SM					
BHT-203	349.10				V		80		wh	VN	PR			4			
BHT-203	349.22	349.30			hJs	x4	20		wh	SN	PR						
BHT-203	349.47				J		45			CN	PR	RF					
BHT-203	349.56				hJ		70		wh	VN	PR						
BHT-203	349.61				hJ		45		wh	VN	PR						
BHT-203	349.83				hJ		60		wh	SN	PR						
BHT-203	349.90				J		20		wh	SN	PR	RF					
BHT-203	350.05				J				wh, mi Qtz	VN	PR	SM					
BHT-203	350.10				hJ		70		wh	SN	PR						
BHT-203	350.14	350.30			CO		20		wh, mi Qtz gn alteration zone	CT	PR	RF					
BHT-203	350.20	350.32			hJs	x2	20		wh, mi Qtz	VN	PR						
BHT-203	350.36				hJ		70		wh	VN	PR						

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHT-203
Defects List

PointID	Depth	Bottom	Fracture Set	Defect Number	Type	Type Suffix	Dip Minimum (degrees)	Dip Maximum (degrees)	Infilling Material	Aperture Observation	Planarity	Roughness	Aperture Measurement Sign	Aperture Measurement	Aperture	Spacing	Remark
BHT-203	350.50				J		45			CN	PR	RF					
BHT-203	350.67	350.90			hJ		60		wh	VN	PR						
BHT-203	350.94				V		60		wh, mi, Qtz with pk alteration	SN	PR			2			
BHT-203	351.00				hJ		10		bk	VN	PR						
BHT-203	351.25				J		20			CN	PR-CU	RF					
BHT-203	351.43				J					CN	IR	RF					
BHT-203	351.47				V		30		wh mi, Qtz pk	CT	PR			2			
BHT-203	351.71				V		60		rd	CT	PR			2			
BHT-203	351.73				V		85		wh, mi Qtz	CT	PR			2			
BHT-203	351.87				V		45		rd	CT	PR			2			
BHT-203	352.00				V		70		rd	VN	PR			1			
BHT-203	352.15				J		20			CT	PR	RF					
BHT-203	352.40				VN		80		pale yl	SN	PR			5			
BHT-203	352.50				hJ		30		pale yl	SN	PR						
BHT-203	352.70	353.00			hJs	x3	70		wh, mi Qtz, with rd	SN	PR						
BHT-203	353.20	353.35			hJs	x3	70		wh	VN	PR						
BHT-203	353.55				hJ		70		wh	VN	PR						
BHT-203	353.72				VN		10		gn, bk	VN	PR						
BHT-203	353.73				hJ		85		wh, gn, alteration	VN	PR						
BHT-203	353.75				J		70		wh, mi Qtz with rd alteration	VN	PR	RF					
BHT-203	353.80	354.00			hJ		70		wh	SN	PR						
BHT-203	354.01				hJ		20		wh	SN	PR						
BHT-203	354.08				hJ		70		wh	SN	PR						
BHT-203	354.20				J		10			CN	CU	RF					
BHT-203	354.25				hJ		70		wh	SN	PR						
BHT-203	354.35				J		10			CN	CU	RF					
BHT-203	354.64				J		5		white green 6mm vein	VN	PR	SM					
BHT-203	354.70				hJ		5		black	SN	PR						
BHT-203	354.86	354.98			hJ		70		qtz x2	SN	PR						
BHT-203	354.87	354.92			V				bk and wh Qtz with pale yl alteration x2	VN	PR						
BHT-203	355.05				hJ		60		wh	VN	PR						
BHT-203	355.15				V		70		wh, mi Qtz	CT	CU			2			
BHT-203	355.20				hJ		10		wh	VN	PR						
BHT-203	355.35				hJ		60		bk	VN	PR						
BHT-203	355.60				hJs	x4	10		bk	VN	PR						
BHT-203	355.63				J		10			CN	PR	SM					
BHT-203	355.64				VN		70		wh mi Qtz with grn alteration	SN	PR						
BHT-203	355.80				hJ		20		wh	SN	PR						
BHT-203	355.95				hJ		30		wh	SN	PR						
BHT-203	356.00	356.12			hJ		60		pale yl	SN	PR						
BHT-203	356.40				hJ		90		wh	SN	PR						
BHT-203	356.50	356.98			Vs	x2	80		bk with pale yl halo	SN	PR						
BHT-203	356.60				J		60			SN	PR	RF					
BHT-203	357.00				hJ		70		wh	VN	PR						
BHT-203	357.25				J					CN	PR	RF					
BHT-203	357.26				hJ		70		bk	VN	PR						
BHT-203	357.38				hJ		30		bk	VN	PR						
BHT-203	357.50				V		70		pale yl	CT	PR-CU			2			
BHT-203	357.63				hJ		10		bk	VN	PR						
BHT-203	357.68				J		40			CN	PR-CU	RF					
BHT-203	357.80				hJ		80		wh mi Qtz	VN	CU						
BHT-203	357.85				hJs	x2	60		pale yl and bk	VN	PR						
BHT-203	358.00				hJ		90		wh mi Qtz	SN	PR						
BHT-203	358.13	358.40			hJs	x3	70		wh	SN	PR						
BHT-203	358.35				hJ		90		bk	SN	PR						
BHT-203	358.46				J		70			CN	PR-CU	RF					
BHT-203	358.60				hJ		90		bk	VN	PR						
BHT-203	358.73				hJs	x2	20		bk	VN	PR						
BHT-203	358.74				hJ		60		bk	VN	PR						
BHT-203	358.86				V		20		wh mi qtz with bk minerals in the middle 3mm	CT	PR			10			
BHT-203	358.92				hJ		20		bk	VN	PR						
BHT-203	358.95				hJ		45		bk	VN	PR						
BHT-203	359.18	359.25			hJ		20		pale yl	VN	PR						
BHT-203	359.40				J		80			CN	PR-CU	RF					
BHT-203	359.66				hJ		10		bk	SN	PR						
BHT-203	359.85				hJ		50		bk	VN	PR						
BHT-203	359.88				hJ		80		pale yl	VN	PR						
BHT-203	360.10				J		30			CN	PR-CU	RF					
BHT-203	360.20				hJ		70		bk	VN	PR						
BHT-203	360.57				hJ		70		bk	SN	PR						
BHT-203	360.62				hJ		60		wh	VN	PR						
BHT-203	360.70				hJ		70		wh	VN	PR						
BHT-203	361.00				V		75		pale yl	CT	PR			3			
BHT-203	361.26				V		80		pale yl	CT	PR-UN			3			
BHT-203	361.62				hJs	x3	70		bk	VN	PR						
BHT-203	361.83				hJ		45		pale yl	SN	PR						
BHT-203	361.88				hJ		70		pale yl	SN	PR						
BHT-203	361.94				hJ		60		pale yl	SN	PR						
BHT-203	362.05				hJ		75		pale yl	SN	PR						

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHT-203
Defects List

PointID	Depth	Bottom	Fracture Set	Defect Number	Type	Type Suffix	Dip Minimum (degrees)	Dip Maximum (degrees)	Infilling Material	Aperture Observation	Planarity	Roughness	Aperture Measurement Sign	Aperture Measurement	Aperture	Spacing	Remark
BHT-203	362.17				hJ		10		bk	SN	PR						
BHT-203	362.18				hJ		50		pale yl	SN	PR						
BHT-203	362.40	362.52			hJs	x2	20		pale yl	SN	PR						
BHT-203	362.50				hJ		80		bk	SN	PR						
BHT-203	362.60				hJ		60		pale yl	VN	PR						
BHT-203	362.80				hJ		10		pale yl	VN	PR						
BHT-203	363.10				J		20			CN	PR	RF					
BHT-203	363.32				hJ		30		pale yl	VN	PR						
BHT-203	363.40				hJ		45		pale yl with alteration halo	VN	PR						
BHT-203	363.52				J		30		wh	VN	PR	RF					
BHT-203	363.71				J		30		wh	VN	PR	RF					
BHT-203	364.34				hJ		60		pale yl with alteration halo	SN	PR-CU						
BHT-203	364.46				hJ		80		pale yl with alteration halo	SN	PR						
BHT-203	364.59				hJ		30		wh	SN	PR						
BHT-203	364.66				V		70		pale yl with alteration halo	CT	PR			5			
BHT-203	364.76				hJ		85		wh	VN	PR						
BHT-203	365.09				V		60		wh mi Qtz nd rd altered	VN	PR						
BHT-203	365.13				J		40		wh	VN	PR	RF					
BHT-203	365.20				hJ		45		pale yl	SN	PR						
BHT-203	365.25				J		30		pale yl	CN	PR-CU	RF					
BHT-203	365.36				hJs	x2	45		pale yl	SN	PR						
BHT-203	365.78	366.18			Vs	x3	85		pale yl	CT	PR-CU			2			
BHT-203	366.00				V		75		pale yl	CT	PR			3			
BHT-203	366.12				hJs	x2	40		pale yl	SN	PR						
BHT-203	366.13				hJ		80		wh	SN	PR						
BHT-203	366.28				hJ		20		pale yl	SN	PR						
BHT-203	366.40				hJs	x2	50		pale yl	SN	PR						
BHT-203	366.62				hJ		70		pale yl	SN	PR						
BHT-203	366.83				hJ		5		pale yl	SN	PR						
BHT-203	367.13				V		50		pale yl	CT	PR			2			
BHT-203	367.20				hJs	x3	30		pale yl	SN	PR						
BHT-203	367.45				hJ		45		pale yl	SN	PR						
BHT-203	367.78				hJ		5		wh	VN	PR						
BHT-203	368.20				hJs	x2	10		pale yl	VN	PR						
BHT-203	368.25				hJs	x2	80		pale yl	VN	PR						
BHT-203	368.36				hJ		20		pale yl	VN	PR						
BHT-203	368.90				hJ		10		pale yl	VN	PR						
BHT-203	368.91				hJs	x2	60		pale yl	VN	PR						
BHT-203	368.97				J		20			CN	PR	RF					
BHT-203	369.09				hJ		85			SN	PR						
BHT-203	369.13				hJ		30			SN	PR						
BHT-203	369.17				J		10			CN	PR-CU	RF					
BHT-203	369.32				hJs	x2	85		apel yl with halo	SN	PR						
BHT-203	369.68				hJ		20		pale yl	VN	PR						
BHT-203	369.80				hJ		60		bk	VN	PR						
BHT-203	369.82				VN		70		wh mi Qtz	VN	PR			1			
BHT-203	370.05				hJ		30		pale yl	SN	PR						
BHT-203	370.08				hJ		5		bk and gn	SN	PR						
BHT-203	370.34				hJ		30		pale yl	SN	PR						
BHT-203	370.38				hJs	x2	90		pale yl	SN	PR						
BHT-203	370.40				V		5		wh mi Qtz and gn	SN	PR						
BHT-203	370.50				hJ		70		pale yl	SN	PR						
BHT-203	370.64				hJ		20		pale yl	SN	PR						
BHT-203	370.70				hJ		30		pale yl	SN	PR						
BHT-203	370.75				hJ		70		pale yl	SN	PR						
BHT-203	371.03				hJ		50		pale yl	VN	PR						
BHT-203	371.14				hJ		70		wh mi Qtz	VN	PR						
BHT-203	371.15				hJ		20		bk	VN	CU						
BHT-203	371.19				hJ		70		gn	SN	PR						
BHT-203	371.33				V		30		wh, mi, qtz	CT	PR			10			
BHT-203	371.36				V		70		qtz, gypsum and carb vein 20mm with associated qtz	VN	PR	SM-RF					
BHT-203	371.71				hJ		10		bk	SN	PR						
BHT-203	371.77				hJ		40		wh	SN	PR						
BHT-203	371.88				hJ		60		wh	VN	PR						
BHT-203	372.08				hJ		30		bk	VN	PR						
BHT-203	372.22				J		10			CN	IR	RF					
BHT-203	372.25				V		30		pale yl with halo	CT	UN			2			
BHT-203	372.33				V		85		pale yl with halo	CT	UN			10			
BHT-203	372.34				hJ		40			SN	PR						
BHT-203	372.40				J		10			CN	IR	RF					
BHT-203	372.50				V		90		pale yl	CT	PR-CU			4			
BHT-203	372.51				hJ		90		bk	SN	PR						
BHT-203	372.55				V		90		pale yl	VN	PR			1			
BHT-203	372.74				J		5			CN	IR	RF					
BHT-203	373.00				hJ		80		wh	VN	PR						
BHT-203	373.11				V		80		wh mi Qtz and pale yl	CT	PR			3			
BHT-203	373.13				hJ		60		pale yl	VN	PR						
BHT-203	373.15				hJ		40		pale yl	VN	PR						
BHT-203	373.25				hJ		40		pale yl with halo	SN	PR						

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHT-203
Defects List

PointID	Depth	Bottom	Fracture Set	Defect Number	Type	Type Suffix	Dip Minimum (degrees)	Dip Maximum (degrees)	Infilling Material	Aperture Observation	Planarity	Roughness	Aperture Measurement Sign	Aperture Measurement	Aperture	Spacing	Remark
BHT-203	373.85				hJ		30		pale yl and wh	SN	PR						
BHT-203	373.92				hJ		60		pale yl	VN	PR						
BHT-203	374.00				hJ		45		pale yl	VN	PR						
BHT-203	374.28				J		20			CN	CU	RF					
BHT-203	374.40				hJ		90		pale yl	VN	PR						
BHT-203	374.60				hJ		40		bk	VN	PR						
BHT-203	374.65				hJ		70		bk	VN	PR						
BHT-203	374.84				hJ		50		bk	VN	PR						
BHT-203	374.90				Vs	x2	10		wh mi Qtz and pale yl	VN	PR						
BHT-203	375.00				VN		70		pale yl	CT	PR			2			
BHT-203	375.15				J		30			CN	PR-CU	RF					
BHT-203	375.23				V		5		wh mi Qtz and gn	CT	PR			5			
BHT-203	375.25				hJ	x3	75		pale yl	SN	PR						
BHT-203	375.35				hJ	x2	60		pale yl	SN	PR						
BHT-203	375.40				hJ		90		bk	VN	PR						
BHT-203	375.52				V		70		wh mi Qtz and pale yl	CT	PR			5			
BHT-203	375.67	375.70			Vs	x2	20		bk	CT	PR			4			
BHT-203	375.80	375.92			V		20		wh, mi Qtz	CT	PR			2			
BHT-203	375.95				hJ		50		pale yl	VN	PR						
BHT-203	376.27				hJ		90		bk	VN	PR						
BHT-203	376.30				V		60		pale yl	CT	PR			2			
BHT-203	376.40				V		60		wh, mi Qtz and pale yl	CT	PR			3			
BHT-203	376.90				hJ		60		bk	VN	PR						
BHT-203	376.91				hJ		65		pale yl	SN	PR						
BHT-203	377.00				hJ		80		pale yl	SN	PR						
BHT-203	377.15				J		30			CN	CU	RF					
BHT-203	377.20				hJ		80		wh	SN	CU						
BHT-203	377.40				hJ		70		wh	SN	PR						
BHT-203	377.50				V		60		pale yl	CT	PR			2			
BHT-203	377.60				hJ		30		pale yl	SN	PR						
BHT-203	377.63				V		70		pale yl	CT	PR			2			
BHT-203	378.23				hJ		40		pale yl	SN	PR						
BHT-203	378.26				hJ		10		pale yl	SN	PR						
BHT-203	378.35				hJ		90		wh	SN	PR						
BHT-203	378.37				V		45		wh mi Qtz and pale yl	CT	PR			10			
BHT-203	378.40				hJ		60		wh, mi Qtz	VN	PR						
BHT-203	378.50				hJ	x2	30		bk	VN	PR						
BHT-203	378.64				hJ		45		bk	VN	PR						
BHT-203	378.80				hJ		70		bk	VN	PR						
BHT-203	378.82				hJ		20		gn	VN	PR						
BHT-203	378.87	378.94			hJ	x3	10		gn	VN	PR						
BHT-203	378.92				hJ		20		pale yl	SN	PR						
BHT-203	379.05	379.11			hJ		30		gn	SN	PR						
BHT-203	379.16				hJ		90		bk	SN	PR						
BHT-203	379.20				V		20		wh, mi Qtz	CT	PR			2			
BHT-203	379.26				hJ		40		bk	SN	PR						
BHT-203	379.33				hJ		20		bk	SN	PR						
BHT-203	379.35				V		45		pale yl and bk	VN	PR						
BHT-203	379.44				hJ		30		bk	SN	PR						
BHT-203	379.46				V		20		wh, mi Qtz rd oxidised	VN	PR			1			
BHT-203	379.48				hJ	x3	20		bk	SN	PR						
BHT-203	379.53				CO		20			CN	PR	RF					
BHT-203	379.56				hJ		70		wh	SN	PR						
BHT-203	379.60				V		20		wh, mi Qtz	CT	PR			2			
BHT-203	379.66				V		30		wh, mi Qtz and rd mi oxidized	CT	PR			2			
BHT-203	379.68				hJ	x2	20		wh	SN	PR						
BHT-203	379.78				V		30		wh, mi Qtz	VN	PR			1			
BHT-203	379.82				V		20		wh, mi Qtz carb with oxidation halo	CT	PR	RF		20			
BHT-203	379.85				V		20		wh mi, Qtz	CT	PR			2			
BHT-203	379.93				J		20			VN	PR	RF					
BHT-203	380.10				hJ		30		wh	SN	PR						
BHT-203	380.20				V		30		wh, mi Qtz carb with oxidised halo 8mm	VN	PR	RF-SM					
BHT-203	380.25				V		30		wh, mi Qtz and oxidised	CT	PR			2			
BHT-203	380.29				CO		70		Qtz veins	SN	PR						
BHT-203	380.44				hJ		70		wh	SN	UN						
BHT-203	380.49				V		20		bk	CT	PR			5			
BHT-203	380.51				V		20		wh, mi Qtz and carb	CT	CU			2			
BHT-203	380.58	380.70			hJ	x2	30		bk	SN	PR						
BHT-203	380.63				V		20		bk	CT	PR			4			
BHT-203	380.64				V		45		wh, mi Qtz	CT	PR			6			
BHT-203	380.75	381.00			hJ		70		pale yl with alteration halo	VN	PR						
BHT-203	380.80				J		40			CN	ST	RF					
BHT-203	380.84				hJ	x2	40		bk	SN	PR						
BHT-203	381.18				J		50		qtz	VN	PR	RF					
BHT-203	381.26				hJ		70		white	SN	PR						
BHT-203	381.40				hJ		60		white	SN	PR						
BHT-203	381.52				hJ		60		white	SN	PR						
BHT-203	381.54				hJ		40		white	VN	PR						
BHT-203	381.68				hJ		40		white	SN	PR						

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHT-203
Defects List

PointID	Depth	Bottom	Fracture Set	Defect Number	Type	Type Suffix	Dip Minimum (degrees)	Dip Maximum (degrees)	Infilling Material	Aperture Observation	Planarity	Roughness	Aperture Measurement Sign	Aperture Measurement	Aperture	Spacing	Remark
BHT-203	381.73				V		5		qtz 2mm	VN	PR						
BHT-203	381.74				hJ		45		black	SN	PR						
BHT-203	381.88				hJ		90		black	VN	PR						
BHT-203	381.93				hJ		30		white pink altered	VN	PR						
BHT-203	381.94				hJ		50		yellow-pale	VN	PR						
BHT-203	382.00				hJ		90		black and yellow-pale x2	SN	PR						
BHT-203	382.10				hJ		45		yellow-pale	SN	PR						
BHT-203	382.16				hJ		30		bk	VN	PR						
BHT-203	382.22	384.05			V		90		wh, mi Qtz, carb and bk mi with some pyrite spots wi	VN	PR						
BHT-203	382.23				hJ	x2	30		wh mi Qtz with pk alteration halo	VN	PR						
BHT-203	382.39				V		40		pale yl	SN	PR			2			
BHT-203	382.56				hJ		30		wh mi Qtz with pk alteration halo	VN	PR						
BHT-203	382.66				hJ		45		pale yl	SN	PR						
BHT-203	382.78				J		70			CN	PR	RF					
BHT-203	383.05				hJ		20		wh mi Qtz with pk alteration halo	VN	PR						
BHT-203	383.10				V		45		pale yl and bk	VN	PR			2			
BHT-203	383.16				V		30		pale yl and bk	SN	PR			2			
BHT-203	383.42				hJ		20		wh mi Qtz with pk alteration halo	VN	PR						
BHT-203	383.56				hJ		20		pale yl and bk	SN	PR						
BHT-203	383.63				hJ		70		gy	SN	PR						
BHT-203	383.85				J		30			CN	PR	RF					
BHT-203	383.87				hJ		30		pale yl and bk	VN	PR-CU						
BHT-203	383.94				hJ		70		gy	SN	PR						
BHT-203	384.05				hJ		20		pale yl	SN	PR						
BHT-203	384.18				hJ		30		pale yl	VN	PR						
BHT-203	384.20				V		70		pale yl	CT	PR			2			
BHT-203	384.22				hJ		60		rd	SN	PR						
BHT-203	384.33				V		60		wh, mi Qtz	VN	PR			1			
BHT-203	384.37				hJ		50		rd	SN	PR						
BHT-203	384.42				J		20			CN	PR	RF					
BHT-203	384.55	384.65			hJ	x3	10		pale yl	SN	PR						
BHT-203	384.72	384.91			hJ	x2	20		pale yl	SN	PR						
BHT-203	384.80				hJ	x2	80		bk	SN	PR						
BHT-203	385.07	385.23			hJ	x2	20		pale yl	VN	PR						
BHT-203	385.10	386.62			V		90		wh, mi Qtz and bk minerals with pk halo alteration	SN	PR			1			
BHT-203	385.44	385.52			hJ		10		bk	VN	PR						
BHT-203	385.54	385.64			hJ		40		wh	SN	PR						
BHT-203	385.58				hJ		60		bk with pk	VN	PR						
BHT-203	385.60	386.18			hJ	x3	70		bk	SN	PR						
BHT-203	385.73				hJ		50		wh	SN	PR						
BHT-203	385.85	386.62			V		90		wh, mi Qtz and bk minerals with pk halo alteration	SN	PR						
BHT-203	385.87				J		60			CN	PR	RF					
BHT-203	385.88				hJ		20		bk	VN	PR						
BHT-203	386.30	386.62			hJ	x4	20		pale yl and bk	VN	PR						
BHT-203	386.55				J		10			CN	CU	RF					
BHT-203	386.67	386.93			hJ	x2	60		bk	SN	PR						
BHT-203	386.90				hJ		70		pale yl	SN	PR						
BHT-203	387.23	387.46			hJ	x3	30		pale yl	VN	PR						
BHT-203	387.33				J		10			CN	IR	VR					
BHT-203	387.35				V		30		pale yl	CT	PR			5			
BHT-203	387.50				J		70		wh mi, Qtz with pk alteration halo	CT	PR	RF		4			
BHT-203	387.67	388.15			hJ	x5	10		bk	SN	PR						
BHT-203	388.12				hJ		70		bk	SN	PR						
BHT-203	388.20				hJ		30		pale yl	VN	PR						
BHT-203	388.23				hJ		90		bk	SN	PR						
BHT-203	388.32				hJ		60		bk	SN	PR						
BHT-203	388.34				hJ		70		pale yl	VN	PR						
BHT-203	389.13				J		20			CN	PR	RF					
BHT-203	389.19	389.50			hJ	x5	10		bk	VN	PR						
BHT-203	389.45				hJ		30		pale yl	VN	PR						
BHT-203	389.46				hJ		70		bk	SN	PR						
BHT-203	389.50				hJ		60		pale yl	VN	PR						
BHT-203	389.68				hJ		10		pale yl	SN	PR						
BHT-203	389.76				hJ		70		bk	VN	PR						
BHT-203	389.94				hJ		30		pale yl	SN	PR						
BHT-203	389.95				hJ		60		pale yl	VN	PR						
BHT-203	390.38	390.53			V	x2	50		yellow-pale 3mm x2	SN	PR			3			
BHT-203	390.62	390.93			hJ	x5	60		pale yl	SN	PR						
BHT-203	390.75				V		30		wh, mi Qtz and pale yl	CT	PR			2			
BHT-203	390.82				hJ		50		wh	SN	PR						
BHT-203	391.00	391.50			hJ	x7	10		bk	VN	PR						
BHT-203	391.30				hJ		70		bk	SN	PR						
BHT-203	391.60				hJ		60		pale yl	VN	PR						
BHT-203	391.68				hJ		30		pale yl	VN	PR						
BHT-203	391.85	392.00			V	x2	60		wh, mi Qtz with pk alteration	VN	PR			1			
BHT-203	391.95				J		70		wh, mi Qtz with pk alteration	CT	PR	RF		3			
BHT-203	392.13				hJ		90		wh	SN	UN						
BHT-203	392.30	392.56			hJ	x5	10		bk	VN	PR						
BHT-203	392.78				hJ		10		qtz with pk alteration	VN	PR						

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHT-203
Defects List

PointID	Depth	Bottom	Fracture Set	Defect Number	Type	Type Suffix	Dip Minimum (degrees)	Dip Maximum (degrees)	Infilling Material	Aperture Observation	Planarity	Roughness	Aperture Measurement Sign	Aperture Measurement	Aperture	Spacing	Remark
BHT-203	392.84				V		75		wh, mi Qtz	SN	PR			1			
BHT-203	392.90				V		30		qwh, mi Qz and gn vein pyrite-rich	SN	PR			10			
BHT-203	392.95				J		30		wh, mi Qtz	VN	PR	SM					
BHT-203	393.00	393.12			J		75		wh, mi Qtz	VN	PR	RF					
BHT-203	393.05				hJ		70		wh, mi Qtz, pk alteration	VN	PR						
BHT-203	393.13				J		30		wh, mi Qtz	VN	PR	SM		3			
BHT-203	393.14	393.29			hJ	x2	40		wh	SN	PR						
BHT-203	393.31				V		20		wh, mi Qtz, pale yl	VN	PR	RF		3			
BHT-203	393.38	393.42			hJ		30		wh	SN	PR						
BHT-203	393.48				hJ		70		pale yl	VN	PR						
BHT-203	393.50	393.63			hJ	x4	10		bk	SN	PR						
BHT-203	393.51				hJ	x2	90		wh	SN	PR						
BHT-203	393.66				hJ		60		wh, mi Qtz with pk alteration	VN	PR						
BHT-203	393.85				V		30		wh, mi Qtz with pk alteration	VN	PR			10			
BHT-203	393.86				V		80		wh, mi Qtz	SN	PR			2			
BHT-203	393.95				V		30		wh, mi Qtz with pk alteration	SN	PR			4			
BHT-203	394.00				hJ		60		wh	VN	PR						
BHT-203	394.03				hJ		10		bk	VN	PR						
BHT-203	394.06				hJ		80		wh	SN	PR						
BHT-203	394.13				hJ		10		pale yl	SN	PR						
BHT-203	394.20	394.30			hJ	x2	65		bk	VN	PR						
BHT-203	394.34	394.43			hJ	x2	45		bk	VN	PR						
BHT-203	394.45				V		90		wh mi qtz with pk	SN	PR			1			
BHT-203	394.51	394.80			hJ	x4	10		bk	SN	PR						
BHT-203	394.60				hJ		60		wh, mi Qtz	VN	PR						
BHT-203	394.60	394.76			hJ	x4	20		bk	SN	PR						
BHT-203	394.70				V		80		wh, mi qtz, pk, alteration	SN	PR			1			
BHT-203	394.85				J		30		wh, mi Qtz	VN	PR	RF					
BHT-203	395.00				hJ		90		wh	SN	PR						
BHT-203	395.05	395.25			hJ	x2	10		bk	VN	PR						
BHT-203	395.06	395.45			hJ	x5	60		bk	SN	PR						
BHT-203	395.27				hJ		70		bk	VN	PR						
BHT-203	395.47				J		10			CN	IR	RF					
BHT-203	395.52				V		5		wh, mi Qtz	SN	PR			5			
BHT-203	395.55				hJ	x2	60		qtz x2	SN	PR						
BHT-203	395.64	395.68			J		30			CN	CU	RF					
BHT-203	395.68				V		85		wh, mi Qtz and bk	VN	CU						
BHT-203	395.91				hJ		10		wh	SN	PR						
BHT-203	396.05				V	x2	60		wh, mi Qtz	SN	CU			3			
BHT-203	396.20				V				Qtz vein	VN	IR	VR					
BHT-203	396.50				hJ		60		wh	VN	PR						
BHT-203	396.60				J		10			CN	PR	RF-SM					
BHT-203	396.90	397.00			hJ	x5	350		wh	SN	CU						
BHT-203	397.00	397.08			VN		80		wh	VN	UN			6			
BHT-203	397.63				J		20		wh	VN	UN-PR	RF-SM					
BHT-203	397.70	399.80			hJ	x3	48		gn	VN	PR-UN-CU			5			
BHT-203	397.84				hJ		10		gy	VN	CU-PR			5			
BHT-203	397.87				J		20			CN	PR	SM					
BHT-203	398.00	399.00			hJ	x8	25		bk	SN	PR						
BHT-203	398.25				J		80		pk	SN	PR	RF-SM					
BHT-203	398.60				V		45		gn, yl	VN	CU-UN			10			
BHT-203	398.65				V		18		wh, gn	VN	PR			5			
BHT-203	398.77				J		15		pk	SN	PR	PO					
BHT-203	399.15	399.30			V	x5	30		gn	VN	PR			7			
BHT-203	399.15	399.45			V	x5	72		bk	VN	PR			10			
BHT-203	399.36				J		20			CN	PR	SM-RF					
BHT-203	399.44				J		20			CN	PR	SM-RF					
BHT-203	399.50				V		80		gn	VN	PR			8			
BHT-203	399.70				V		70		wh	VN	PR			6			
BHT-203	400.06				V		45		gn	VN	UN-CU			8			
BHT-203	400.12	400.80			hJ	x23	10		bk	SN	PR						
BHT-203	400.55				V		85		gn	VN	PR			7			
BHT-203	400.97				J		20			CN	PR-CU	RF					
BHT-203	401.05				V		70		gn	VN	PR			5			
BHT-203	401.20	401.40			hJ		18		bk	SN	PR						
BHT-203	401.66				J		20			CN	PR	RF					
BHT-203	401.90	402.26			hJ	x6	20		wh, pk	VN	CU-UN			5			
BHT-203	402.04	402.17			J	x3	10	20	wh mi	CT	UN		<=	5			
BHT-203	402.23				J		20		br mi	SN	UN	RF					
BHT-203	402.27	402.45			hJ	x10	20		bk	SN	PR-UN						
BHT-203	402.63				J		70			CN	PR	SM					
BHT-203	402.65	403.00			hJ	x5	15		bk	VN	PR						
BHT-203	402.72				hJ		70		gn	SN	PR						
BHT-203	403.00				hJ		75		wh, pyrite	SN	PR-UN						
BHT-203	403.12	403.57			hJ	x3	30		gn	VN	PR			5			
BHT-203	403.26				hJ		40		pk	SN	PR						
BHT-203	403.55	404.00			hJ	x5	45		bk	VN	CU-UN						
BHT-203	404.00	404.38			V	x2	35		pk	VN	UN			11			
BHT-203	404.10				V		75		gn	VN	PR			5			

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHT-203
Defects List

PointID	Depth	Bottom	Fracture Set	Defect Number	Type	Type Suffix	Dip Minimum (degrees)	Dip Maximum (degrees)	Infilling Material	Aperture Observation	Planarity	Roughness	Aperture Measurement Sign	Aperture Measurement	Aperture	Spacing	Remark
BHT-203	404.56	405.15			hJ	x16	25		bk	SN	PR-CU						
BHT-203	405.00	405.37			V		10		pk	VN	PR-UN			14			
BHT-203	405.15				V		15		gy,yl	VN	PR-CU			5			
BHT-203	405.43				V		15		pk	VN	PR-CU			26			
BHT-203	405.50	405.74			hJ	x12	10		bk	SN	PR-CU						
BHT-203	405.76				hJ	x2	30		gn	SN	CU						
BHT-203	405.83	405.86			V		10		gy, gn	VN	PR			5			
BHT-203	406.35	406.60			hJ	x3	70		bk	SN	PR-UN						
BHT-203	406.35	407.00			hJ	x13	10		bk, gn	SN	PR-CU						
BHT-203	406.65				J		35			CN	PR	RF					
BHT-203	407.00	407.92			hJ	x24	15		bk	VN	PR						
BHT-203	407.10				V		10		bk, pk	VN	PR			5			
BHT-203	407.36				J		65			CN	PR						
BHT-203	408.25	408.50			hJ	x6	10		wh, pk	SN	PR						
BHT-203	408.50	409.50			hJ	x12	25		pale yl and bk	VN-CT	PR-UN			2			
BHT-203	408.59				hJ		65		pale yl	VN	PR-UN						
BHT-203	408.77	408.82			V	x3	50		pale yl	VN-CT	PR-UN			3			
BHT-203	408.87	409.03			hJ	x2	70		wh	VN-CT	PR-UN						
BHT-203	408.94				J		70		wh	VN-CT	PR-UN-ST	RF		2			
BHT-203	409.05	409.35			hJ	x5	20		pale yl and bk	VN	PR-UN						
BHT-203	409.32	409.52			hJ	x4	5		pale yl	VN	PR-UN						
BHT-203	409.36	409.62			hJ	x3	75		pale yl and bk	VN	PR-UN						
BHT-203	409.59				J		5		pale or and dark gy	CN	PR-UN	RF					
BHT-203	409.71	410.00			hJ		40		pale yl and bk mi; pale or alteration halos; + x5	VN	PR-UN						
BHT-203	410.18	411.00			hJ	x12	45		pale yl and bk	VN-CT	PR-UN			3			
BHT-203	410.22	410.90			hJ	x10	15		pale yl and bk	VN-CT	UN-PR			2			
BHT-203	410.54				J		30		dark gy	CN	PR-UN	RF					
BHT-203	410.88				J		10		pale or and dark gy	SN	PR-UN	RF					
BHT-203	410.90	410.93			hJ	x3	5		pale or and bk	VN	PR-UN						
BHT-203	411.10	411.12			hJ	x2	5		bk	VN	PR-UN						
BHT-203	411.12	411.38			hJ	x2	85		bk	VN-CT	PR-UN			2			
BHT-203	411.39				J		10		dark gy and pale or	CN	PR-UN	RF					
BHT-203	411.42				J		80		wh, pale gy and pale or	VN	PR-UN	RF					
BHT-203	411.49				V		85		bk	CT	PR-UN			4			
BHT-203	411.68	412.07			hJ	x5	40		bk	VN	PR-UN						
BHT-203	411.86	412.64			hJ	x12	5		wh and bk	VN	PR-UN						
BHT-203	412.22				V		40		bk	CT	PR-UN			3			
BHT-203	412.30	412.33			hJ	x3	65		wh	VN	PR-UN						
BHT-203	412.44				J		5		pale or and dark gy	CN	PR-UN	RF					
BHT-203	412.63	412.91			hJ	x3	75		bk and wh	VN-CT	PR-UN			2			
BHT-203	412.67	413.49			hJ	x15	5		wh and bk	VN-CT	PR-UN			2			
BHT-203	412.73				J		5		pale or and bk	CN	PR-UN	RF					
BHT-203	412.84				V		45		bk	CT	PR-UN			3			
BHT-203	412.89				J		10		wh, dk gy and pl or	CN-VN	CU-UN	RF					
BHT-203	412.93				J		10		pl or and dk gy	CN	PR-UN	RF					
BHT-203	413.03	413.50			hJ	x8	70		wh	VN	PR-UN						
BHT-203	413.27				J		5		dk gy and pl or	CN	PR-UN	RF					
BHT-203	413.29				J		5		dk gy and pl or; wh infill mi	CN-VN	PR-UN	RF					
BHT-203	413.33				hJ		70		wh	VN-CT	PR-UN			3			
BHT-203	413.53				J		5		pl or and dk gy	CN	PR-UN	RF					
BHT-203	413.57				J		5		wh, pl or and dk gy	CN-VN	PR-UN	RF					
BHT-203	413.59				V		5		wh	CT	PR-UN			3			
BHT-203	413.63				J		5		wh, pl or and dk gy	CN-VN	PR-UN	RF					
BHT-203	413.64				V		5		wh and bk	CT	PR-UN			5			
BHT-203	413.65				J		5		wh, pl or and dk gy	CN-VN	PR-UN	RF					
BHT-203	413.69	414.19			hJ	x8	10		wh	VN-CT	PR-UN			2			
BHT-203	413.82				hJ		80		wh and bk	VN-CT	PR-UN			2			
BHT-203	414.08				hJ		55		wh	VN	PR-UN						
BHT-203	414.18				J		5		dk gy and pl gy	CN	PR-UN	RF					
BHT-203	414.23	414.37			hJ	x4	25		pl yl/gy	VN	PR-UN						
BHT-203	414.46				J		5		dk and pl gy	CN	UN-IR	RF					
BHT-203	414.63	414.93			hJ	x6	5		pl yl and bk	VN	PR-UN						
BHT-203	415.00	415.52			hJs		90		bk	VN	PR-UN						
BHT-203	415.18	415.90			hJ	x10	5		bk, pl yl and wh	VN	PR-UN						
BHT-203	415.89				J		5		dark gy and pl gy	CN	PR-UN	RF					
BHT-203	416.03	416.67			hJ	x12	5		wh and bk	VN-CT	PR-UN						
BHT-203	416.11				V		70		bk	CT	PR-UN			3			
BHT-203	416.20				J		5		dk gy and pl gn	CN	PR	RF					
BHT-203	416.53				J		70		wh	VN	PR-UN	RF					
BHT-203	416.77	417.38			hJ	x12	10		bk and wh	VN	PR-UN						
BHT-203	417.04	417.22			hJ	x5	45		bk	VN	PR-UN						
BHT-203	417.30				J		5		dark gy and pale gy	CN	PR-UN	RF					
BHT-203	417.53	417.74			hJ	x6	5		bk, wh and pale gr	VN	PR-UN						
BHT-203	417.65				hJ		85		pale yl and bk	VN-CT	PR-UN			4			
BHT-203	417.78				J		5		dark gy and pale gy	CN	PR-UN	RF					
BHT-203	418.03	418.88			hJ	x10	10		bk and wh	VN-CT	PR-UN			3			
BHT-203	418.06	418.83			hJ	x10	65		bk	VN-CT	PR-UN			4			
BHT-203	418.20	418.68			hJ		55		bk	VN-CT	PR-UN			5			
BHT-203	418.33				J				pale br/or and dark gy	CN	PR-UN	RF					

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Preliminary

Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHT-203
Defects List

PointID	Depth	Bottom	Fracture Set	Defect Number	Type	Type Suffix	Dip Minimum (degrees)	Dip Maximum (degrees)	Infilling Material	Aperture Observation	Planarity	Roughness	Aperture Measurement Sign	Aperture Measurement	Aperture	Spacing	Remark
BHT-203	418.59				J		5		dark gy and pale br	CN	PR-UN	RF					
BHT-203	419.08	419.90			hJ	x10	5		wh, bk and pale yl	VN	PR-UN						
BHT-203	419.62	419.96			hJ	x6	80		bk and pale gr	CT-VN	PR-UN			2			
BHT-203	420.11				hJ		65		wh	VN	PR-UN						
BHT-203	420.22	420.48			hJ		85		bk	VN-CT	PR-UN			3			
BHT-203	420.22	420.80			hJ	x8	5		bk	VN-CT	PR-UN			2			
BHT-203	420.47				J		10		dark gy and pale br/red	CN	PR-UN	RF					
BHT-203	420.89	420.93			hJ	x3	15		bk and pale yl	VN	PR-UN						
BHT-203	421.33	421.96			hJ	x8	5		wh, bk and pale yl mi	VN-CT	PR			2			
BHT-203	421.58				J		10		bk and dark gy mi	CN	PR-UN	RF					
BHT-203	421.64	421.74			hJ	x4	25		pale yl mi	VN-CT	PR-UN						
BHT-203	422.18				J		65		wh mi	VN-CT	PR-UN	RF					
BHT-203	422.44	422.57			hJ	x3	55		bk and pale yl	VN	PR-UN						
BHT-203	422.59	423.00			hJ		85		pale yl/gr and bk	VN-CT	PR-UN			3			
BHT-203	423.08				hJ		80		pale yl	VN	PR-UN						
BHT-203	423.18	423.48			hJ	x5	35		wh and pale yl	VN-CT	PR-UN			2			
BHT-203	423.35				V		85		pale yl and gy	CT	UN-IR-PR			5			
BHT-203	423.56				V		80		gn, gy	CT	IR			40			
BHT-203	423.77				V		30		gn	CT	UN-CU			8			
BHT-203	424.00	424.20			hJ	x6	50		bk		PR						
BHT-203	424.15	424.45			hJ	x7	30		wh, yl,, gn, bk		PR						
BHT-203	424.24				J		30			CN	PR	SM-RF					
BHT-203	424.60	425.00			hJ	x4	70		bbk	CT	PR			15			
BHT-203	425.59				V		20			CN	PR						
BHT-203	425.74				V		25		gn	CT	CU-UN			5			
BHT-203	425.93	425.96			V		70		gn	VN	PR						
BHT-203	426.04				V				gn	VN	CU-UN						
BHT-203	426.08	426.46			hJ	x7	30		bk	VN	CU-UN						
BHT-203	426.34				J		30			CN	CU-PR	RF					
BHT-203	426.90				V		40		gn	CT	PR-UN			5			
BHT-203	427.00	427.70			hJ	x26	20		bk		PR						
BHT-203	427.00	428.00			V	x2	45		wh, gn	CT	UN-CU			5			
BHT-203	427.05	427.52			hJ		45		pk - pyrite	SN	PR						
BHT-203	427.80				J		75		pk	SN-CN	PR	RF					
BHT-203	428.10	429.30			hJ	x13	20		bk	SN	PR						
BHT-203	428.27	428.27			J		10		gn, gy	CT	PR	SM		9			
BHT-203	428.27	428927.00			Joint,Vein		10			VN	PR	VR-PO-SM					green Gray 9mm
BHT-203	428.32	429.20			hJ	x20	405		bk		PR						
BHT-203	428.33	428.95			V	x5	45		gn, gy	VN	PR						
BHT-203	429.00	429.50			AZ		10		gn	SN	IR						
BHT-203	429.46				V		10		wh	CT	UN			6			
BHT-203	429.60				V		30		wh	VN	CU-UN						
BHT-203	429.66				hJ		60		wh		CU-UN						
BHT-203	429.73				J		45			CN	PR-UN	RF					
BHT-203	429.84				J		20			CN	PR-IR	RF					

Preliminary

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PointID : BHT-203 Depth Range: 3.00 - 7.00 m



PointID : BHT-203 Depth Range: 7.00 - 11.00 m

wsp	TITLE: Queensland Hydro Netherdale/Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHT-203	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 1/54

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHT-203_RC.GPJ <<DrawingFile>> 2024/12/5 15:47 10.03.00.09 Datgel Lab and In Situ Tool - DGD | Lib: WSP 5.07.2 2023-10-30 Prj: WSP 5.04.1 2023-06-14

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PointID : BHT-203 Depth Range: 11.00 - 15.00 m

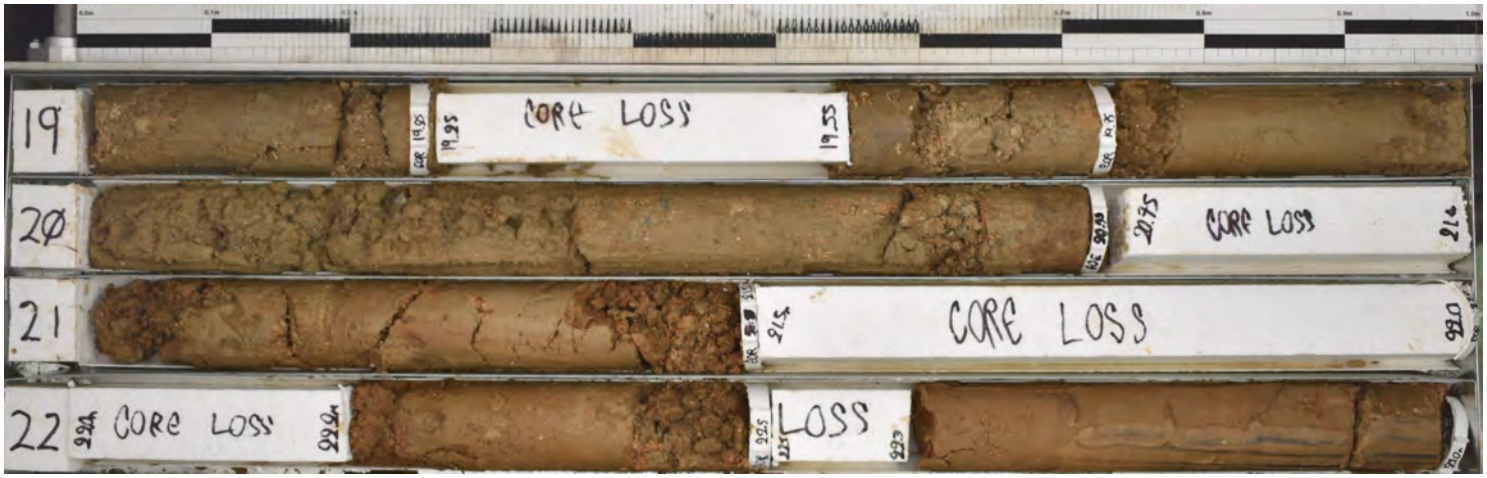


PointID : BHT-203 Depth Range: 15.00 - 19.00 m

wsp	TITLE: Queensland Hydro Netherdale/Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHT-203	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 2/54

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHT-203_RC.GPJ <<DrawingFile>> 2024/12/5 15:47 10.03.00.09 Datgel Lab and In Situ Tool - DGD | Lib: WSP 5.07.2 2023-10-30 Prj: WSP 5.04.1 2023-06-14

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PointID : BHT-203 Depth Range: 19.00 - 23.00 m

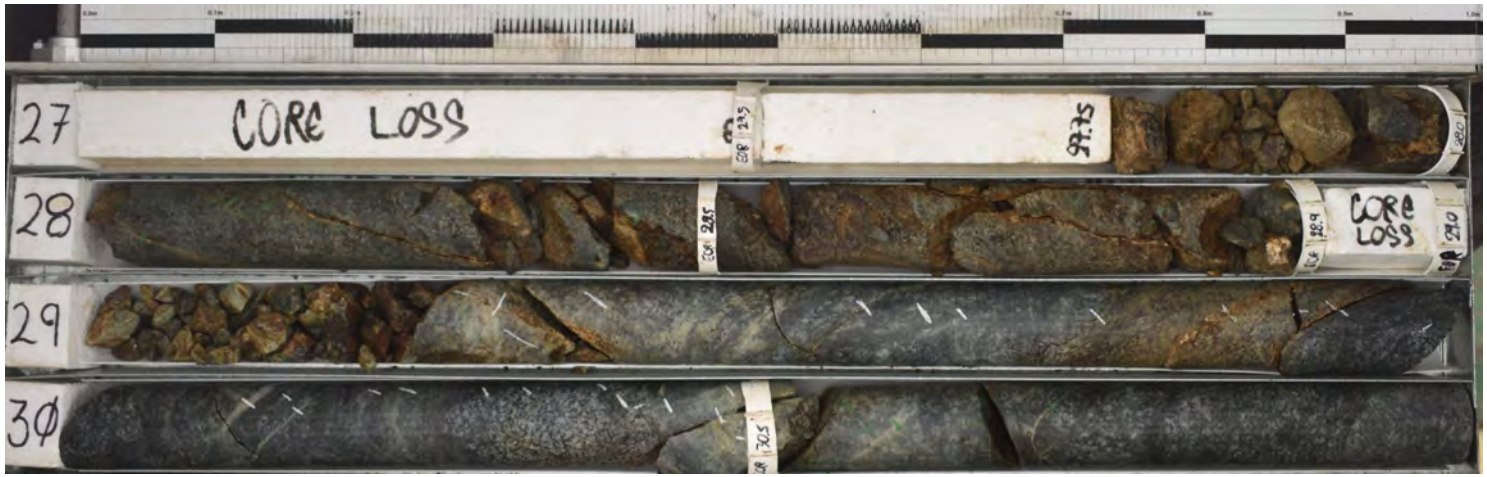


PointID : BHT-203 Depth Range: 23.00 - 27.00 m

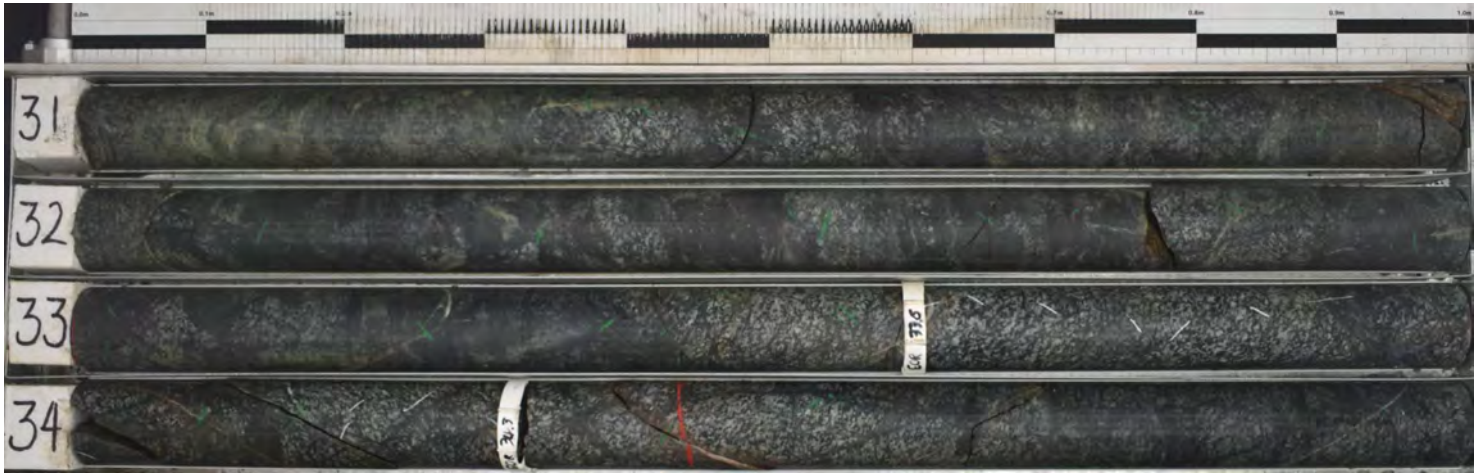
wsp	TITLE: Queensland Hydro Netherdale/Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHT-203	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 3/54

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHT-203_RC.GPJ <<DrawingFile>> 2024/12/5 15:47 10.03.00.09 Datgel Lab and In Situ Tool - DGD | Lib: WSP 5.07.2 2023-10-30 Prj: WSP 5.04.1 2023-06-14

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PointID : BHT-203 Depth Range: 27.00 - 31.00 m

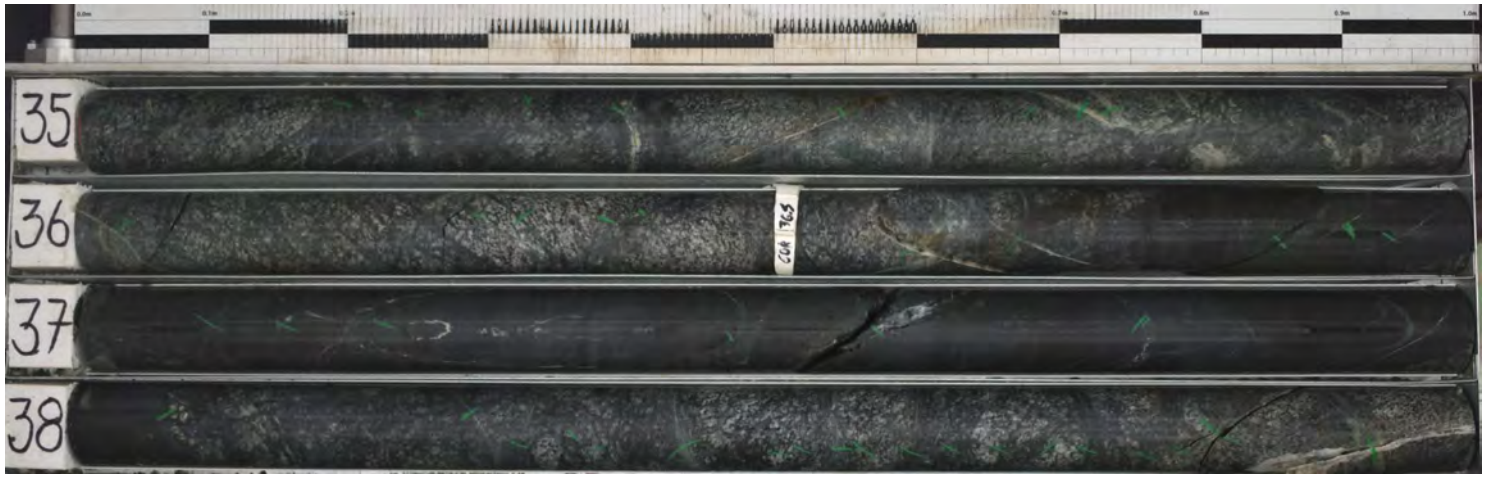


PointID : BHT-203 Depth Range: 31.00 - 35.00 m

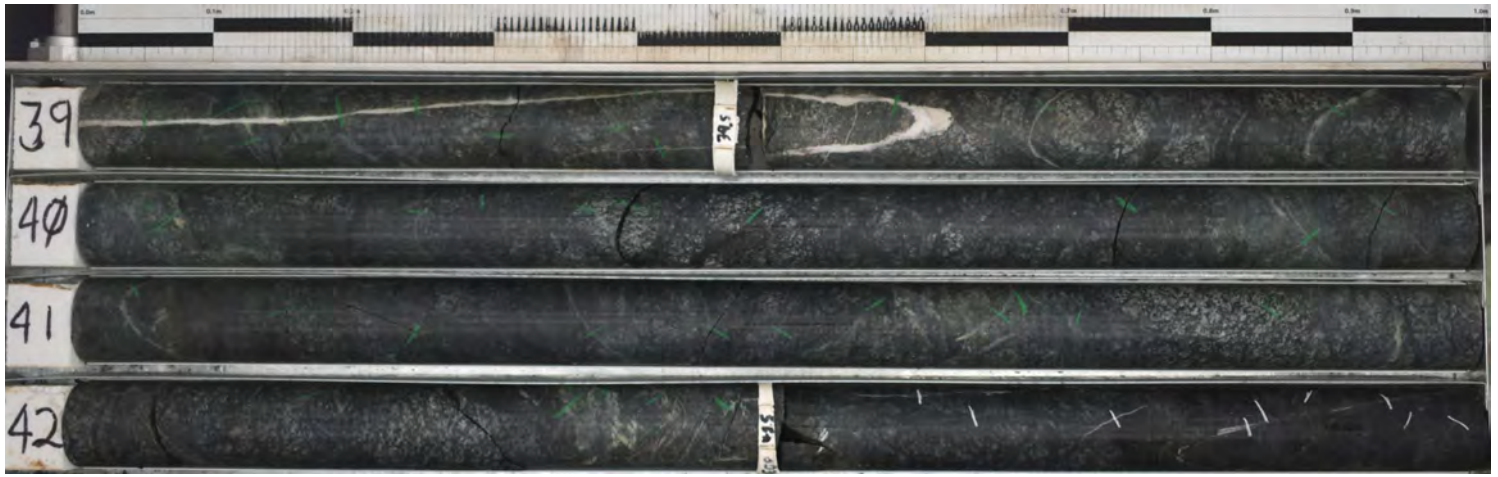
wsp	TITLE: Queensland Hydro Netherdale/Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHT-203	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 4/54

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHT-203_RC.GPJ <<DrawingFile>> 2024/12/5 15:47 10.03.00.09 Datgel Lab and In Situ Tool - DGD | Lib: WSP 5.07.2 2023-10-30 Prj: WSP 5.04.1 2023-06-14

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PointID : BHT-203 Depth Range: 35.00 - 39.00 m

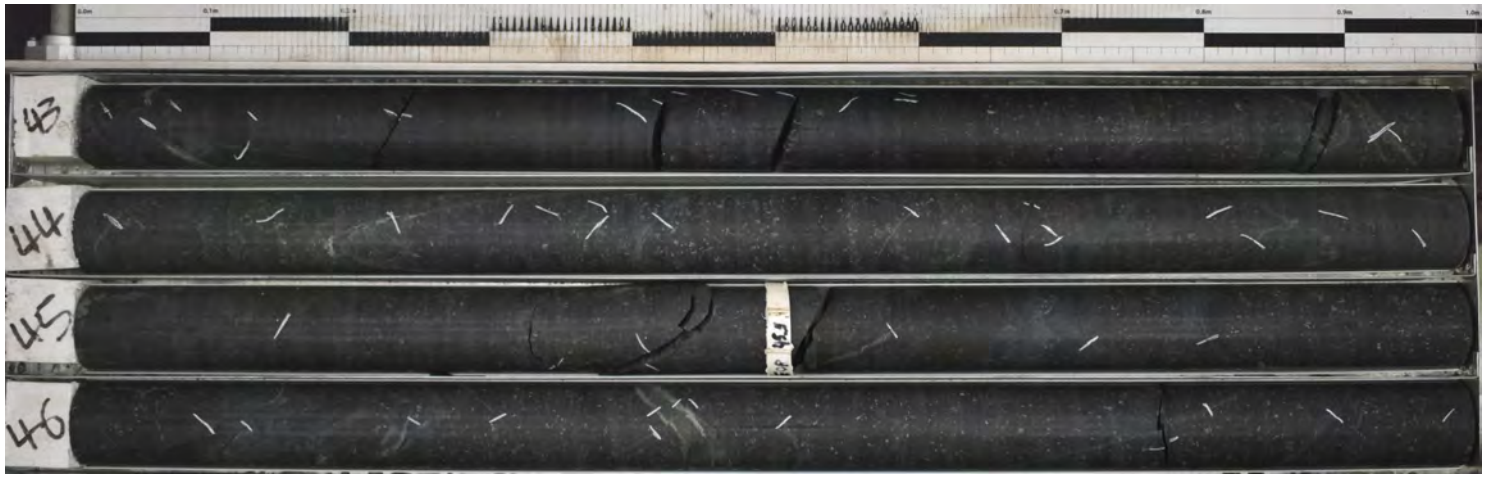


PointID : BHT-203 Depth Range: 39.00 - 43.00 m

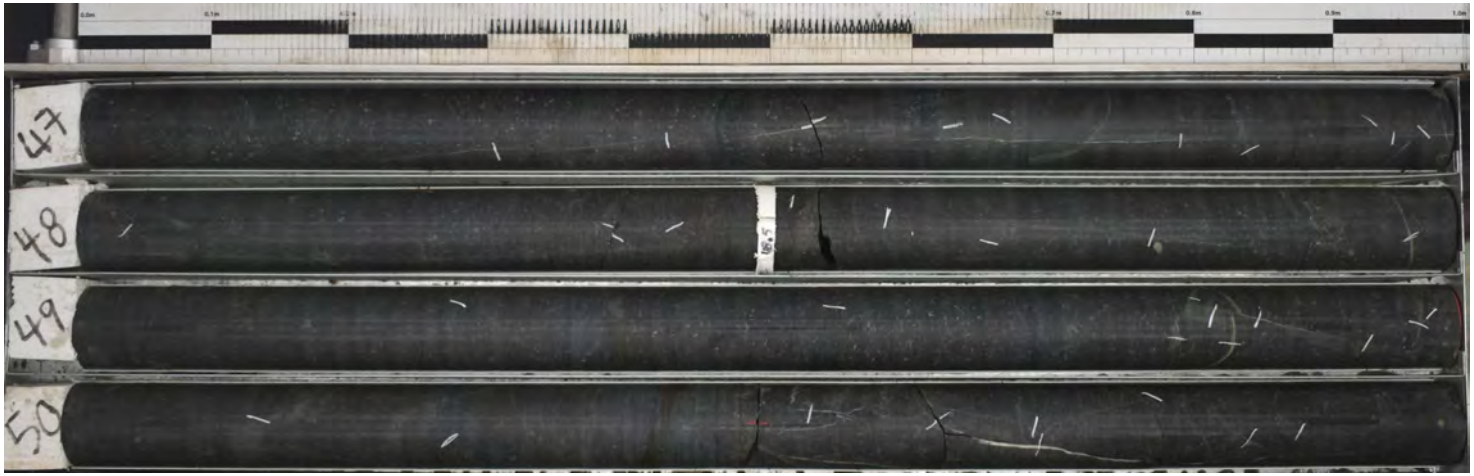
wsp	TITLE: Queensland Hydro Netherdale/Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHT-203	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 5/54

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHT-203_RC.GPJ <<DrawingFile>> 2024/12/5 15:47 10.03.00.09 Datgel Lab and In Situ Tool - DGD | Lib: WSP 5.07.2 2023-10-30 Prj: WSP 5.04.1 2023-06-14

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PointID : BHT-203 Depth Range: 43.00 - 47.00 m

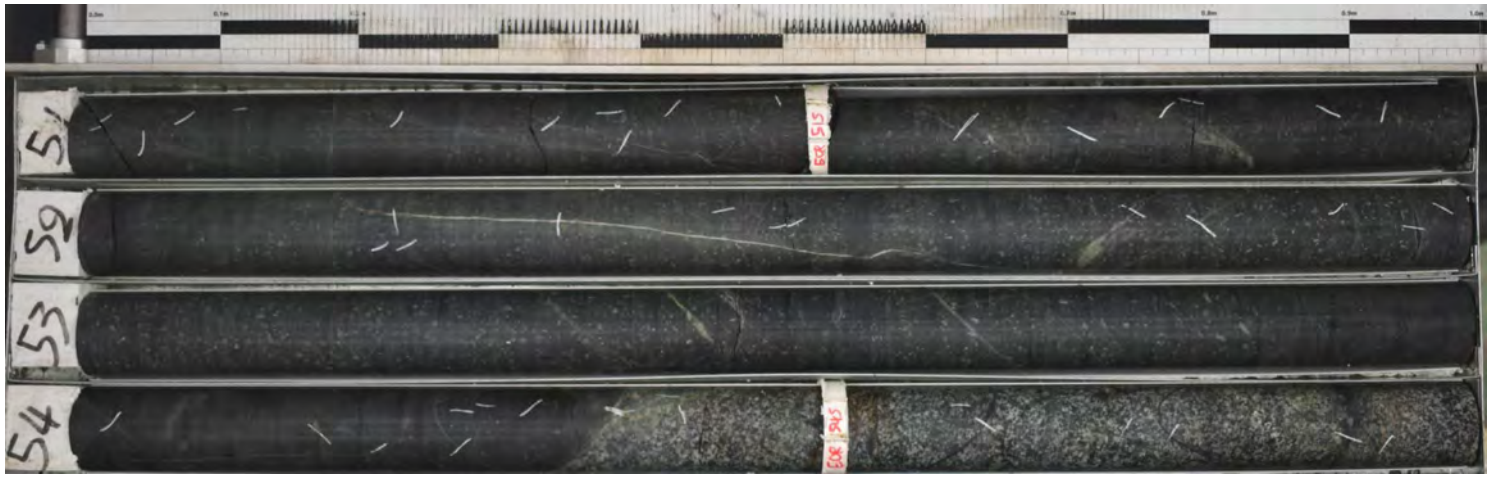


PointID : BHT-203 Depth Range: 47.00 - 51.00 m

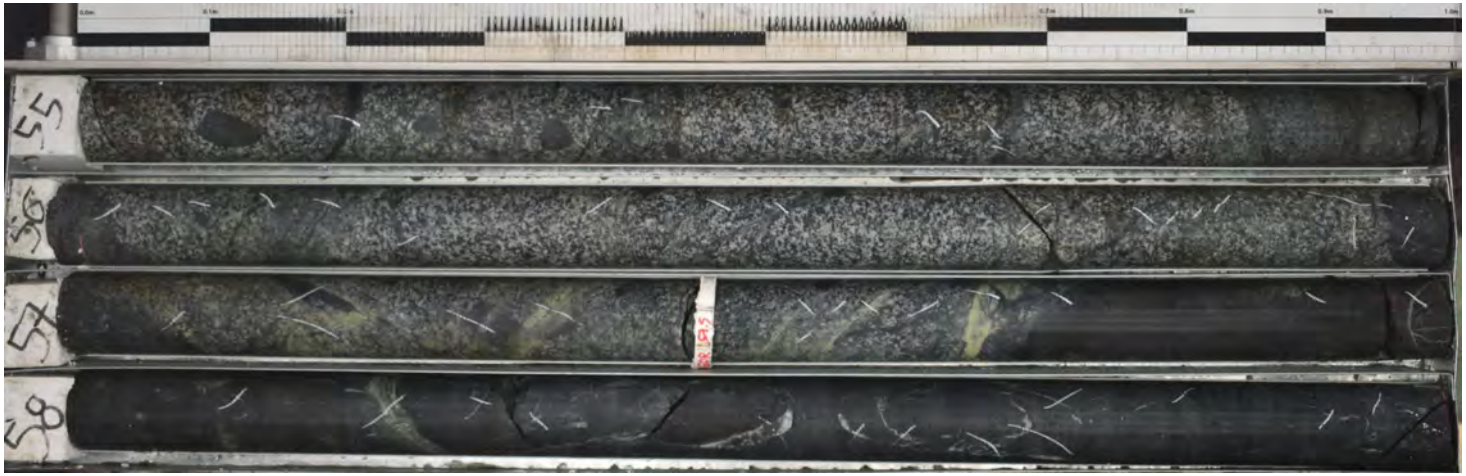
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		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 6/54

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHT-203_RC.GPJ <<DrawingFile>> 2024/12/5 15:47 10.03.00.09 Datgel Lab and In Situ Tool - DGD | Lib: WSP 5.07.2 2023-10-30 Prj: WSP 5.04.1 2023-06-14

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PointID : BHT-203 Depth Range: 51.00 - 55.00 m

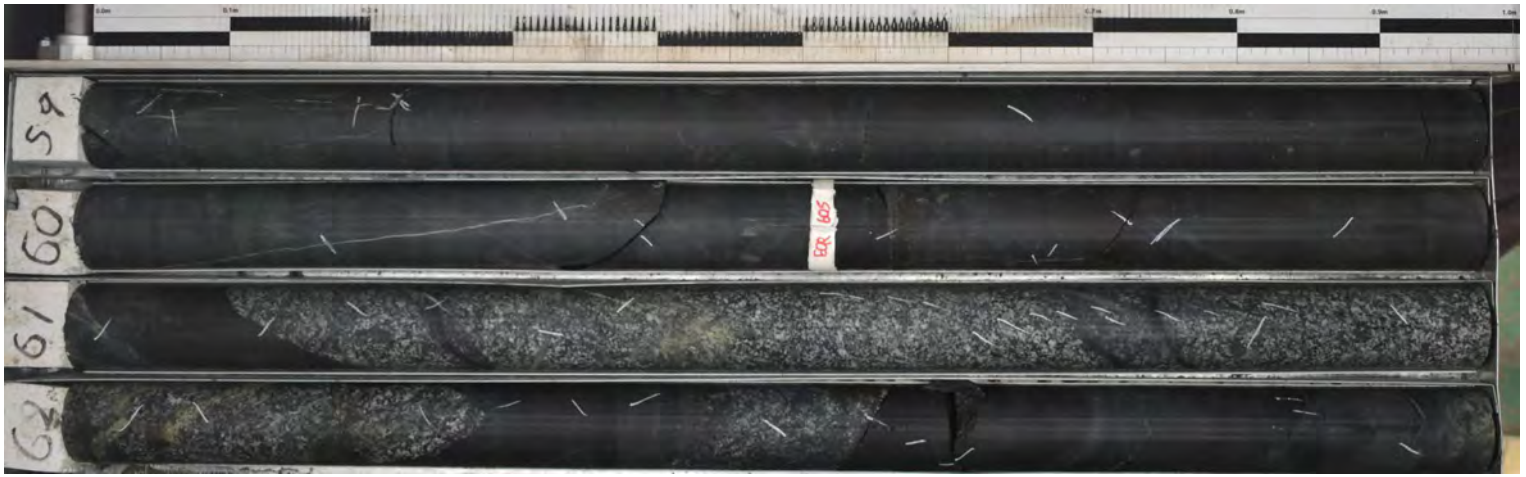


PointID : BHT-203 Depth Range: 55.00 - 59.00 m

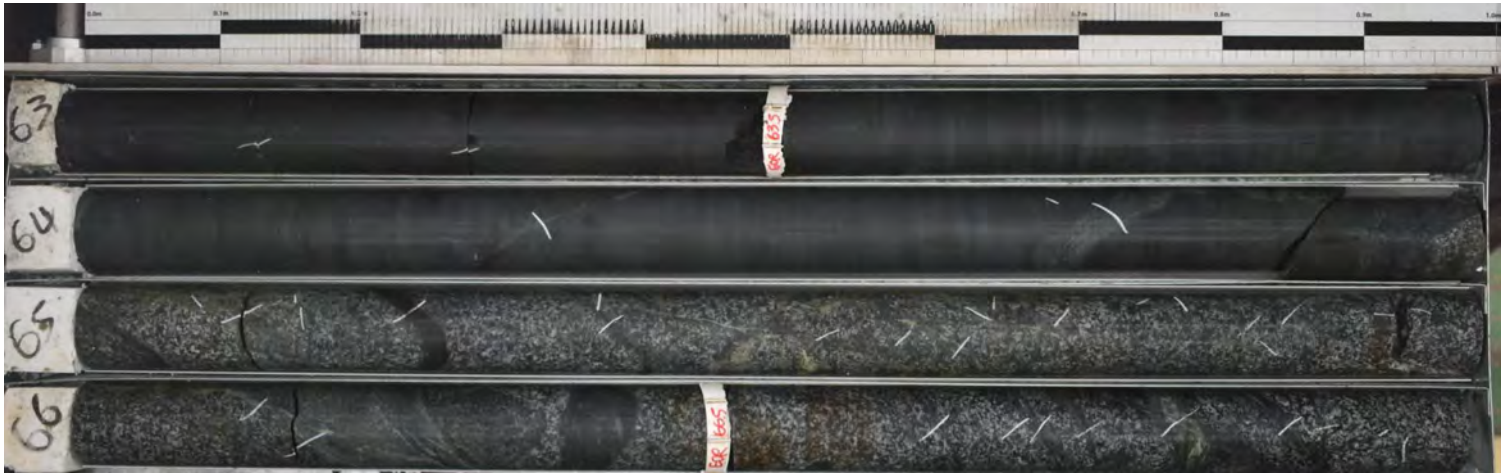
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		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 7/54

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHT-203_RC.GPJ <<DrawingFile>> 2024/12/5 15:47 10.03.00.09 Datgel Lab and In Situ Tool - DGD | Lib: WSP 5.07.2 2023-10-30 Prj: WSP 5.04.1 2023-06-14

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PointID : BHT-203 Depth Range: 59.00 - 63.00 m

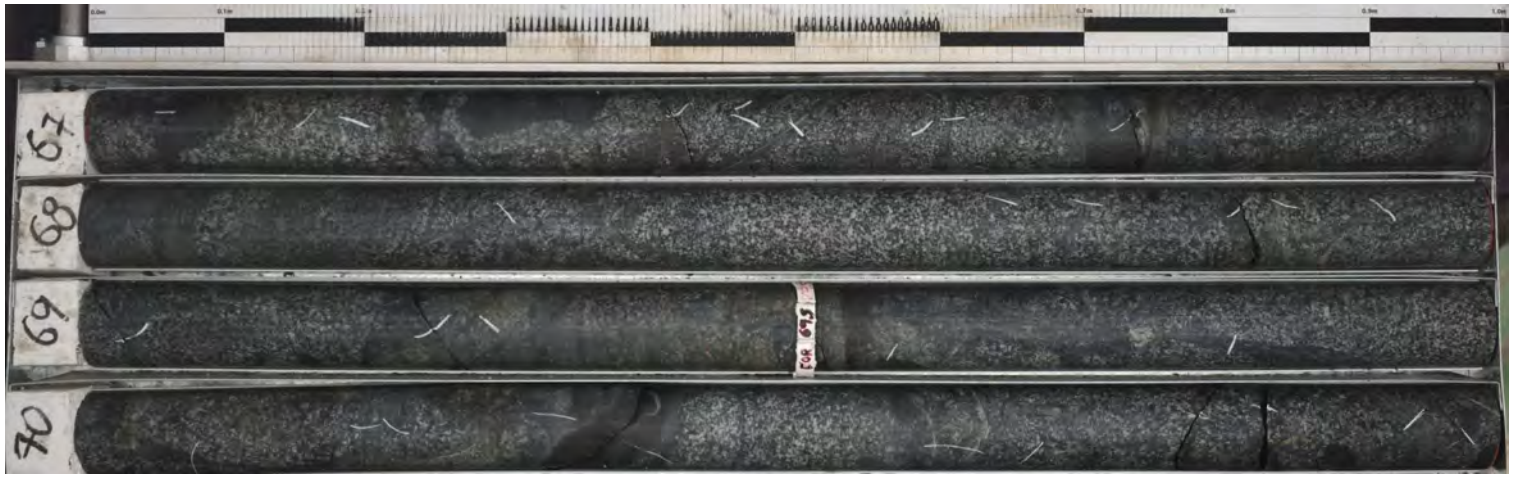


PointID : BHT-203 Depth Range: 63.00 - 67.00 m

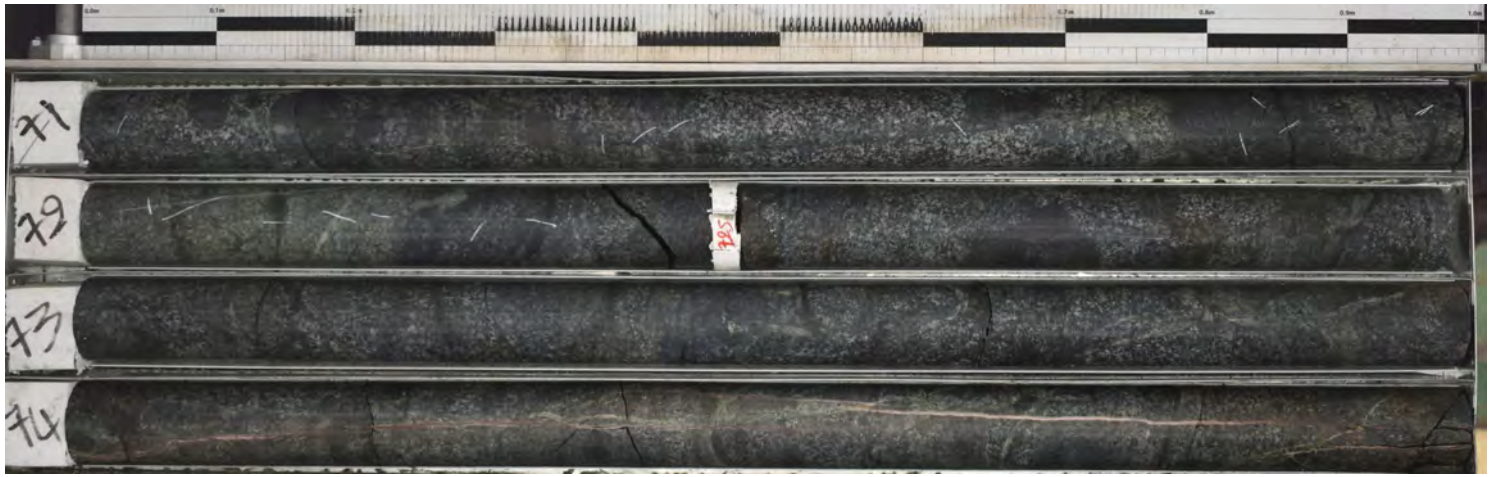
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		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 8/54

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHT-203_RC.GPJ <<DrawingFile>> 2024/12/5 15:47 10.03.00.09 Datgel Lab and In Situ Tool - DGD | Lib: WSP 5.07.2 2023-10-30 Prj: WSP 5.04.1 2023-06-14

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PointID : BHT-203 Depth Range: 67.00 - 71.00 m

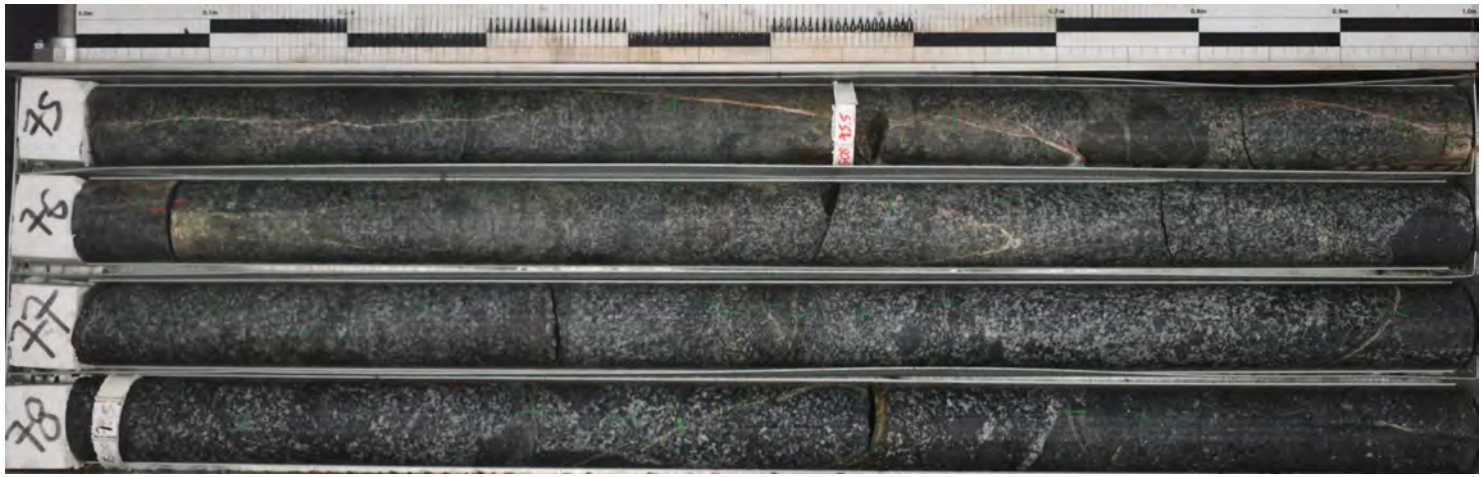


PointID : BHT-203 Depth Range: 71.00 - 75.00 m

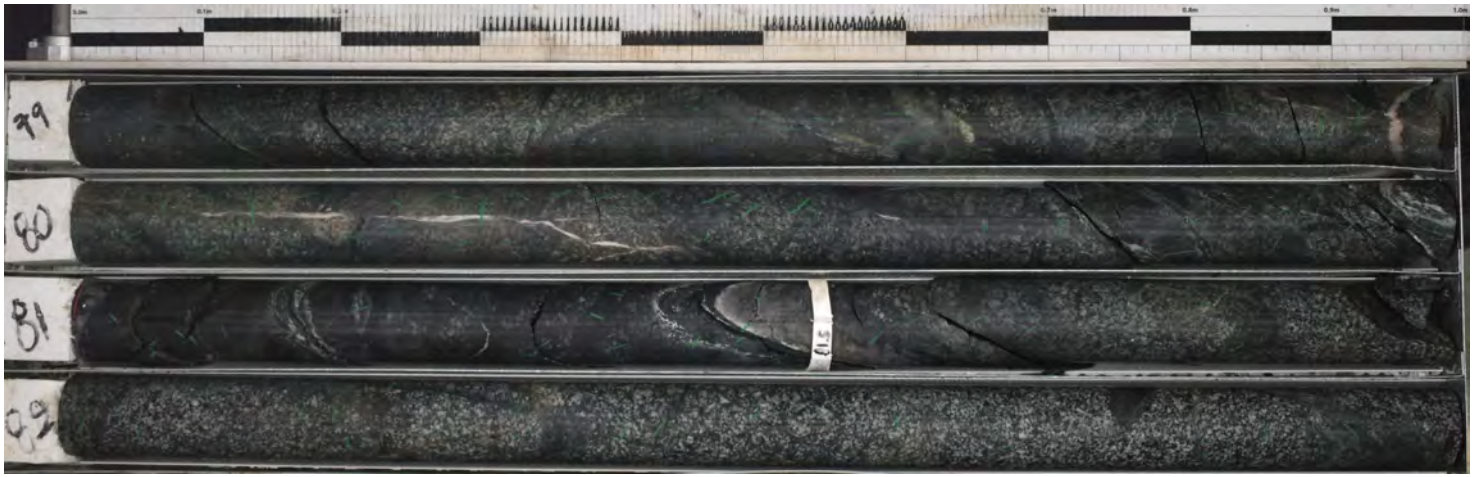
wsp	TITLE Queensland Hydro Netherdale/Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHT-203	DRAWN RC / DATE 2/12/2024 CHECKED GEM / DATE 4/12/2024 SCALE Not To Scale / A4 PROJECT No PS138693 / FIGURE No 9/54	

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHT-203_RC.GPJ <<DrawingFile>> 2024/12/5 15:47 10.03.00.09 Datgel Lab and In Situ Tool - DGD | Lib: WSP 5.07.2 2023-10-30 Prj: WSP 5.04.1 2023-06-14

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PointID : BHT-203 Depth Range: 75.00 - 79.00 m

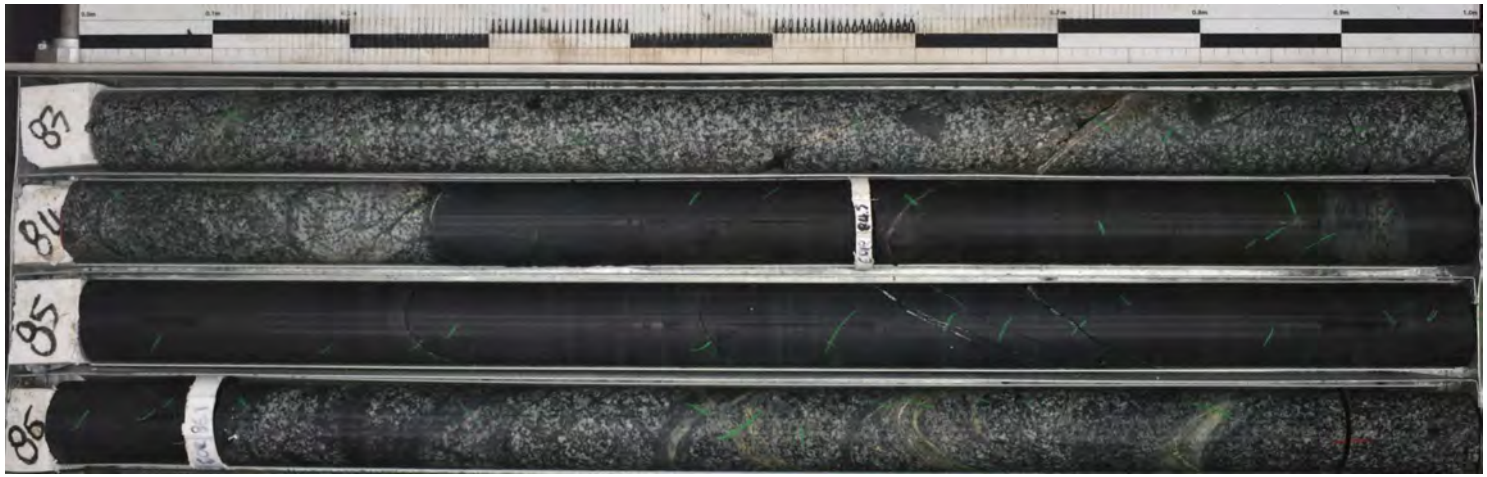


PointID : BHT-203 Depth Range: 79.00 - 83.00 m

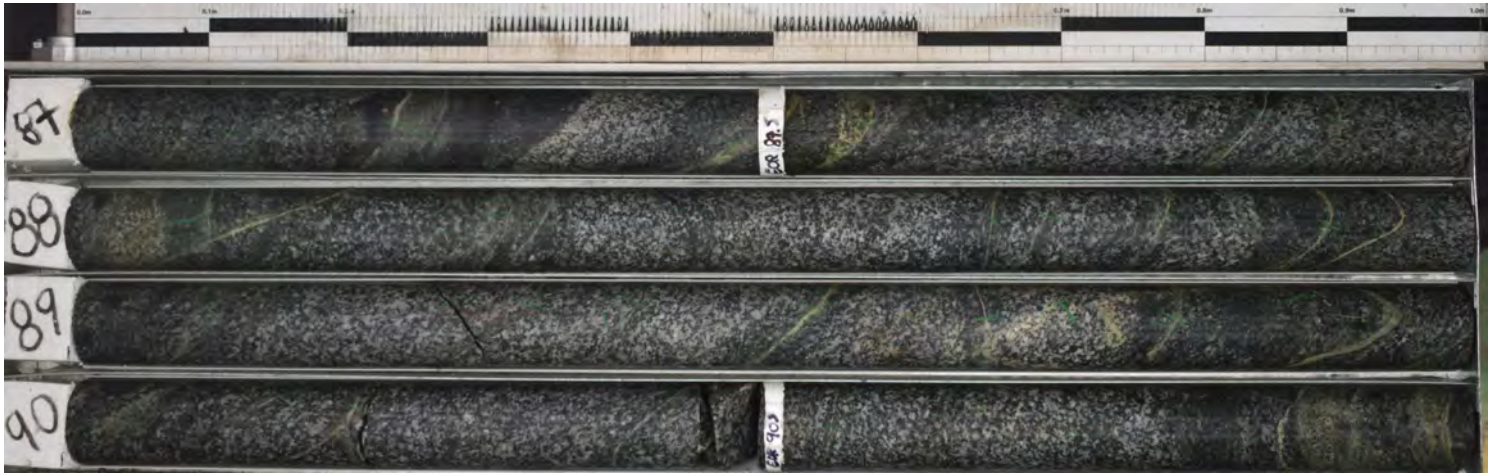
wsp	TITLE: Queensland Hydro Netherdale/Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHT-203	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 10/54

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHT-203_RC.GPJ <<DrawingFile>> 2024/12/5 15:47 10.03.00.09 Datgel Lab and In Situ Tool - DGD | Lib: WSP 5.07.2 2023-10-30 Prj: WSP 5.04.1 2023-06-14

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PointID : BHT-203 Depth Range: 83.00 - 87.00 m

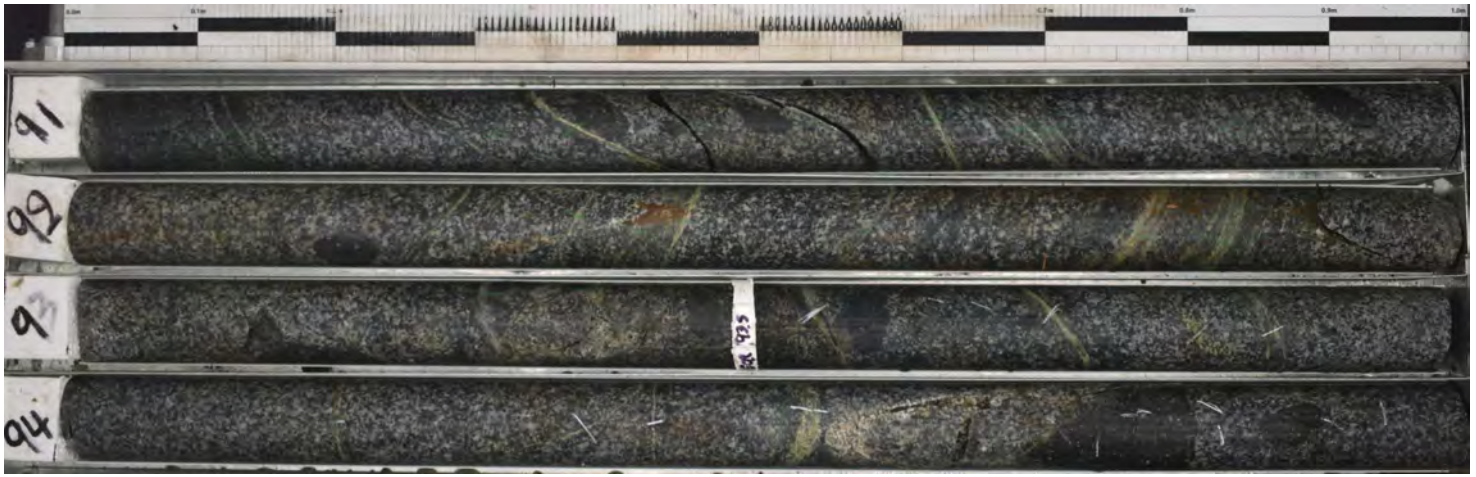


PointID : BHT-203 Depth Range: 87.00 - 91.00 m

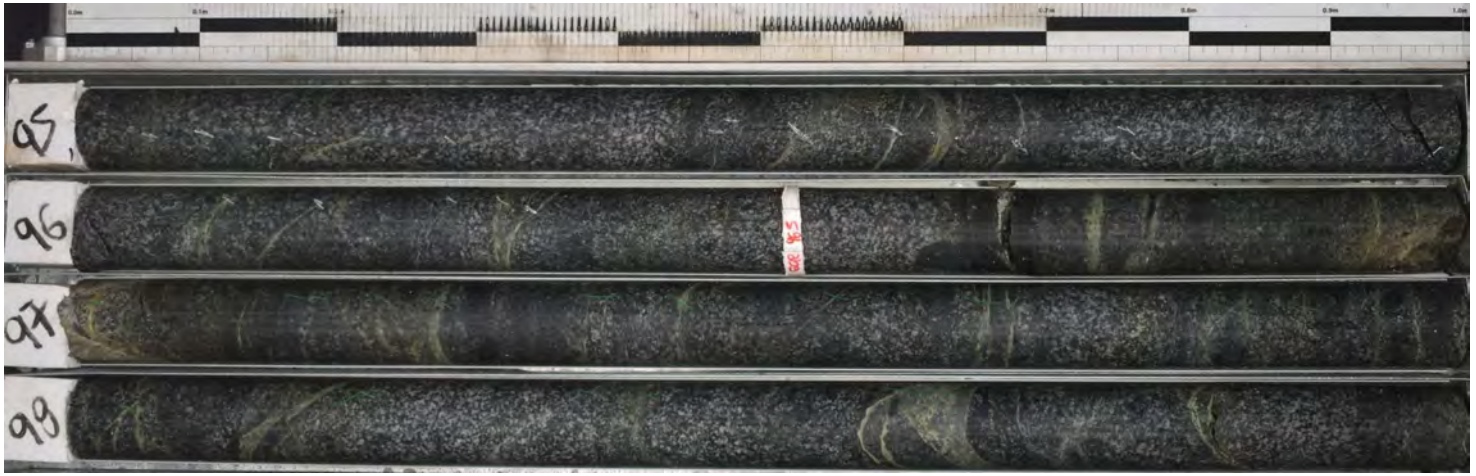
wsp	TITLE: Queensland Hydro Netherdale/Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHT-203	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 11/54

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHT-203_RC.GPJ <<DrawingFile>> 2024/12/5 15:48 10.03.00.09 Datgel Lab and In Situ Tool - DGD | Lib: WSP 5.07.2 2023-10-30 Prj: WSP 5.04.1 2023-06-14

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PointID : BHT-203 Depth Range: 91.00 - 95.00 m

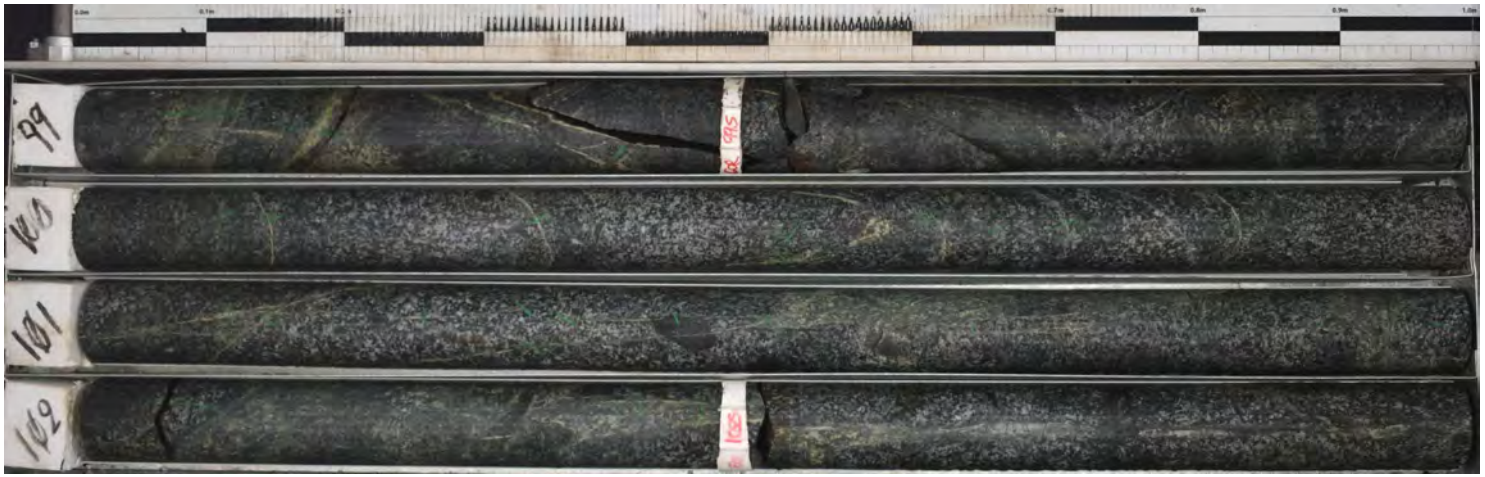


PointID : BHT-203 Depth Range: 95.00 - 99.00 m

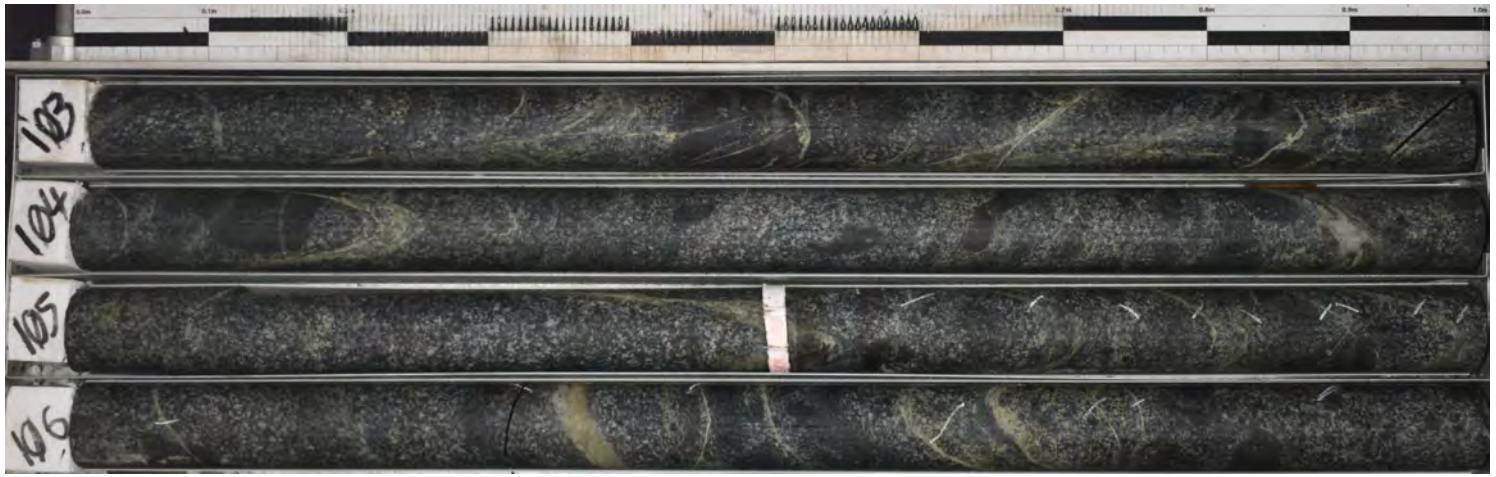
wsp	TITLE: Queensland Hydro Netherdale/Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHT-203	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 12/54

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHT-203_RC.GPJ <<DrawingFile>> 2024/12/5 15:48 10.03.00.09 Datgel Lab and In Situ Tool - DGD | Lib: WSP 5.07.2 2023-10-30 Prj: WSP 5.04.1 2023-06-14

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PointID : BHT-203 Depth Range: 99.00 - 103.00 m

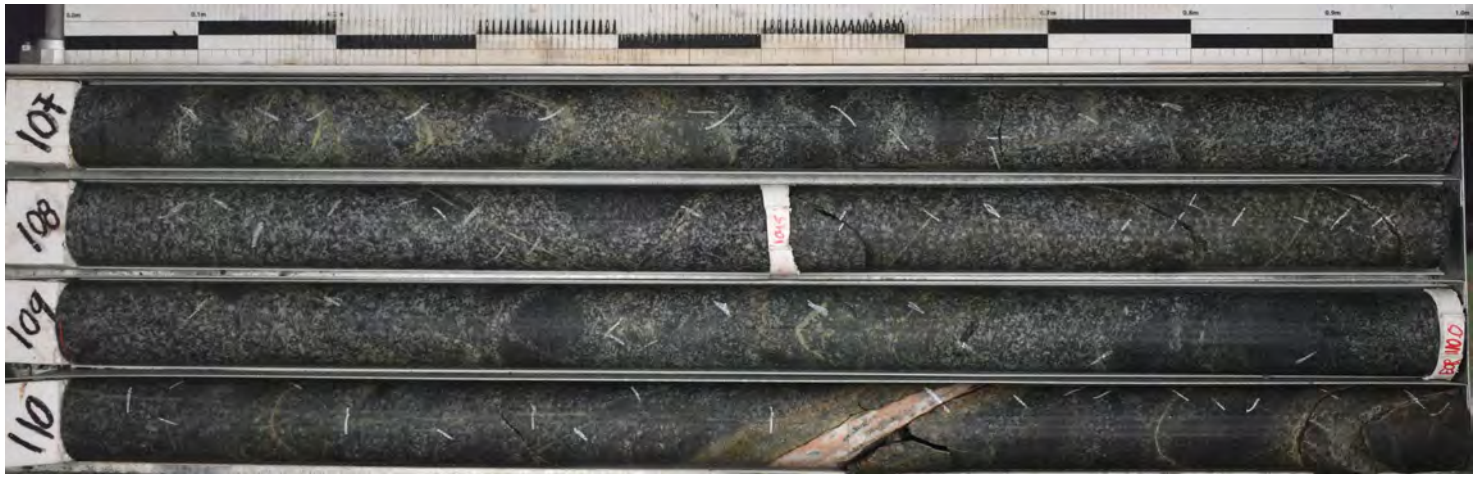


PointID : BHT-203 Depth Range: 103.00 - 107.00 m

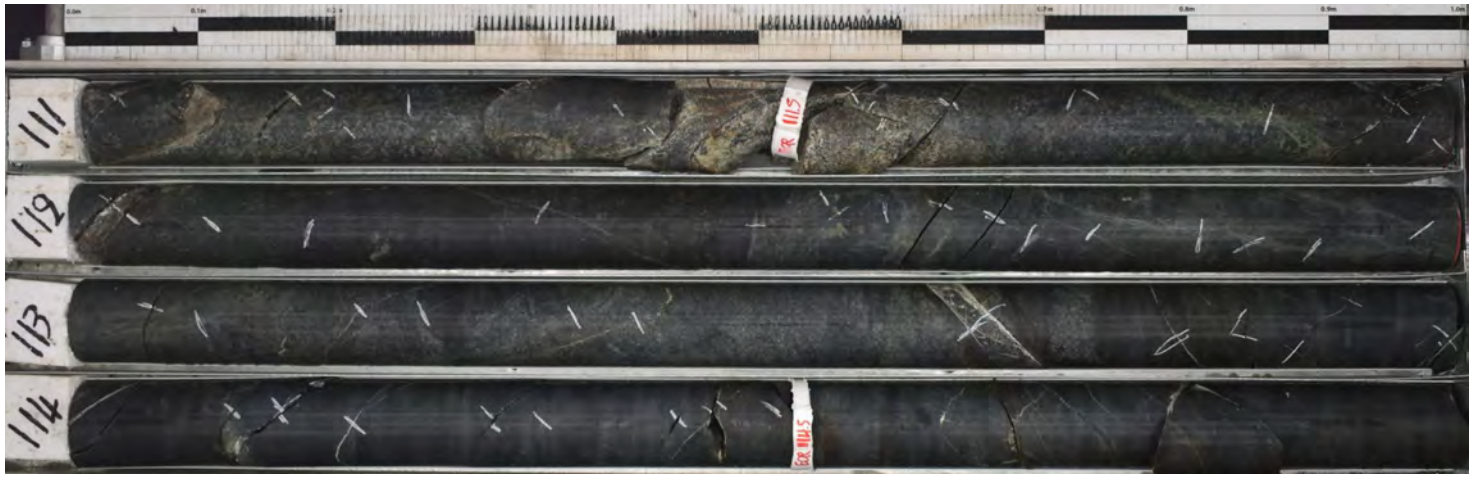
wsp	TITLE: Queensland Hydro Netherdale/Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHT-203	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 13/54

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHT-203_RC.GPJ <<DrawingFile>> 2024/12/5 15:48 10.03.00.09 Datgel Lab and In Situ Tool - DGD | Lib: WSP 5.07.2 2023-10-30 Prj: WSP 5.04.1 2023-06-14

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PointID : BHT-203 Depth Range: 107.00 - 111.00 m

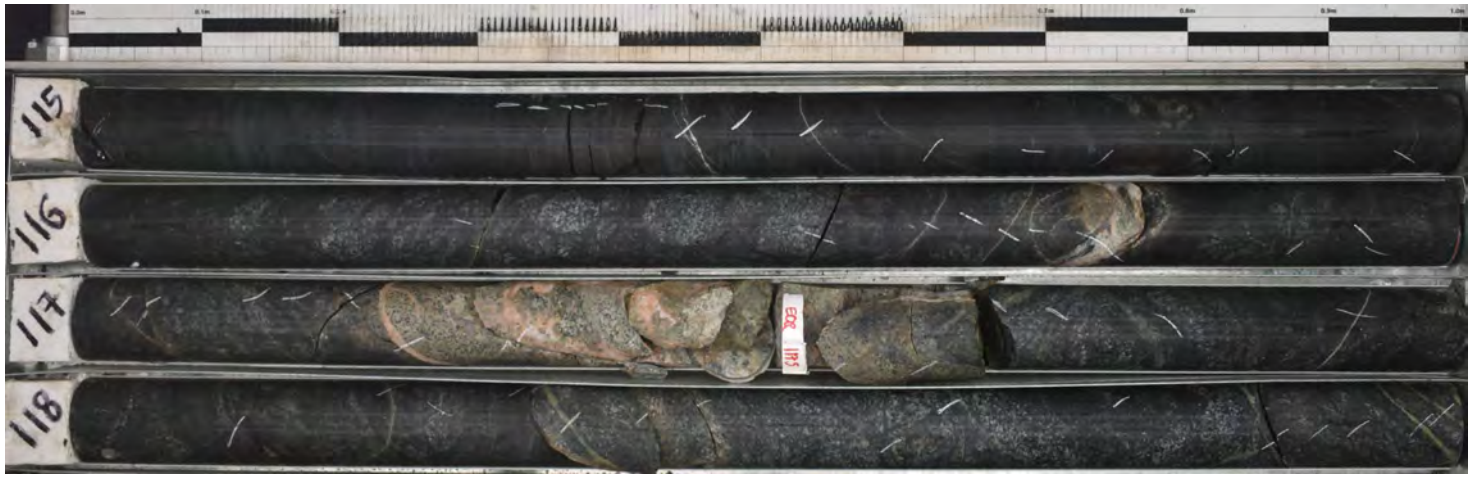


PointID : BHT-203 Depth Range: 111.00 - 115.00 m

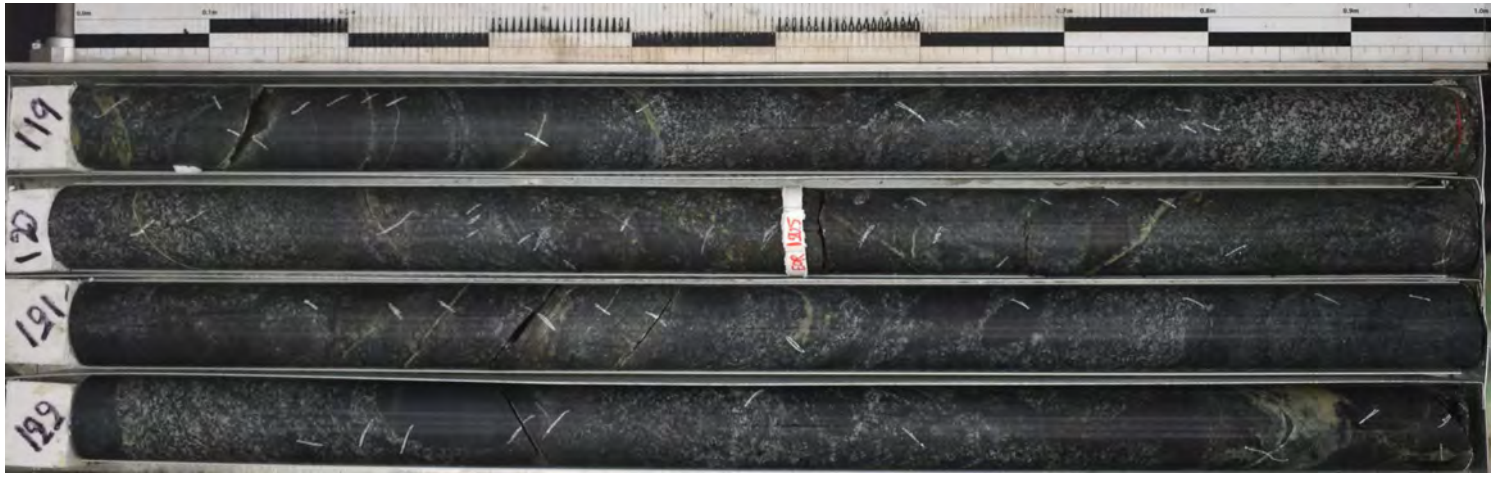
wsp	TITLE: Queensland Hydro Netherdale/Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHT-203	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 14/54

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHT-203_RC.GPJ <<DrawingFile>> 2024/12/5 15:48 10.03.00.09 Datgel Lab and In Situ Tool - DGD | Lib: WSP 5.07.2 2023-10-30 Prj: WSP 5.04.1 2023-06-14

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PointID : BHT-203 Depth Range: 115.00 - 119.00 m

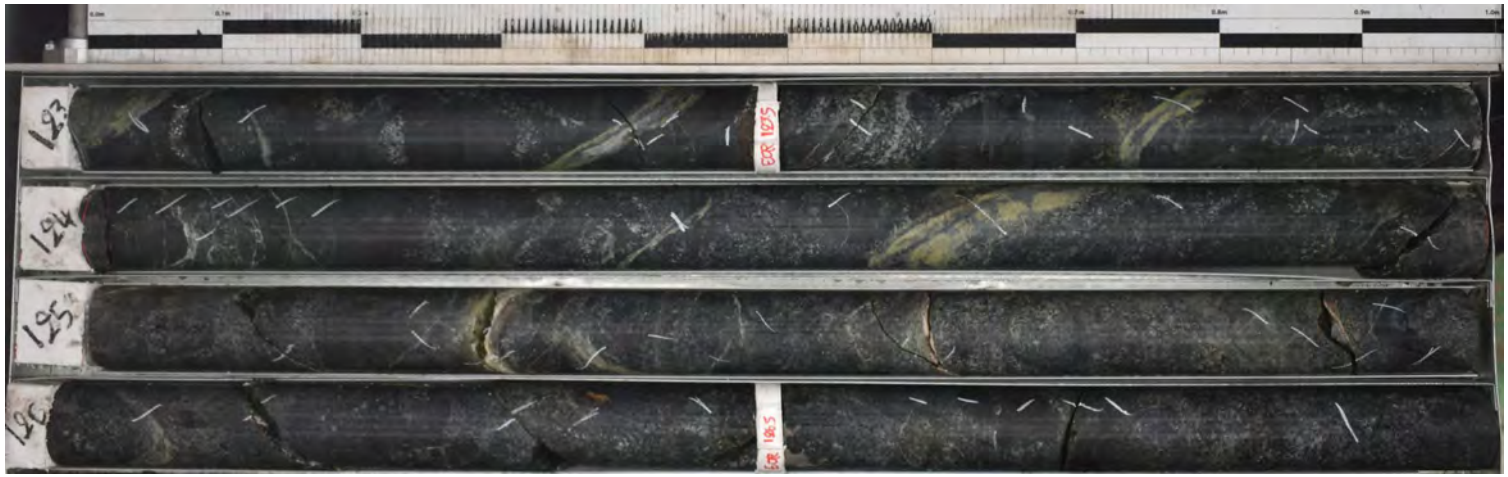


PointID : BHT-203 Depth Range: 119.00 - 123.00 m

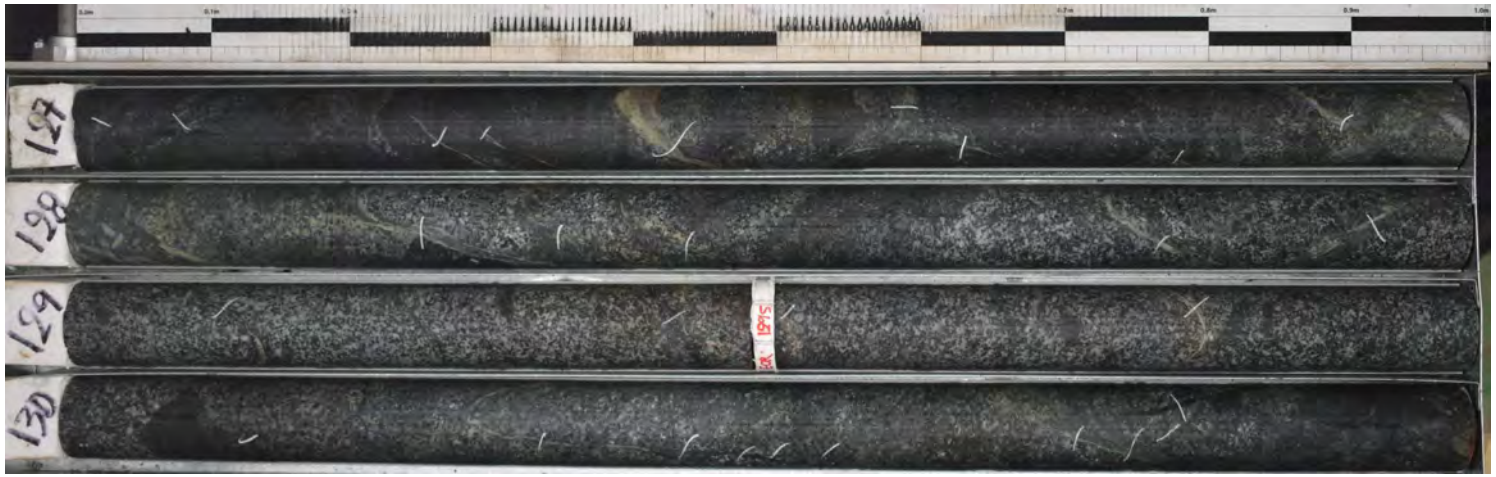
wsp	TITLE: Queensland Hydro Netherdale/Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHT-203	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 15/54

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHT-203_RC.GPJ <<DrawingFile>> 2024/12/5 15:48 10.03.00.09 Datgel Lab and In Situ Tool - DGD | Lib: WSP 5.07.2 2023-10-30 Prj: WSP 5.04.1 2023-06-14

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PointID : BHT-203 Depth Range: 123.00 - 127.00 m

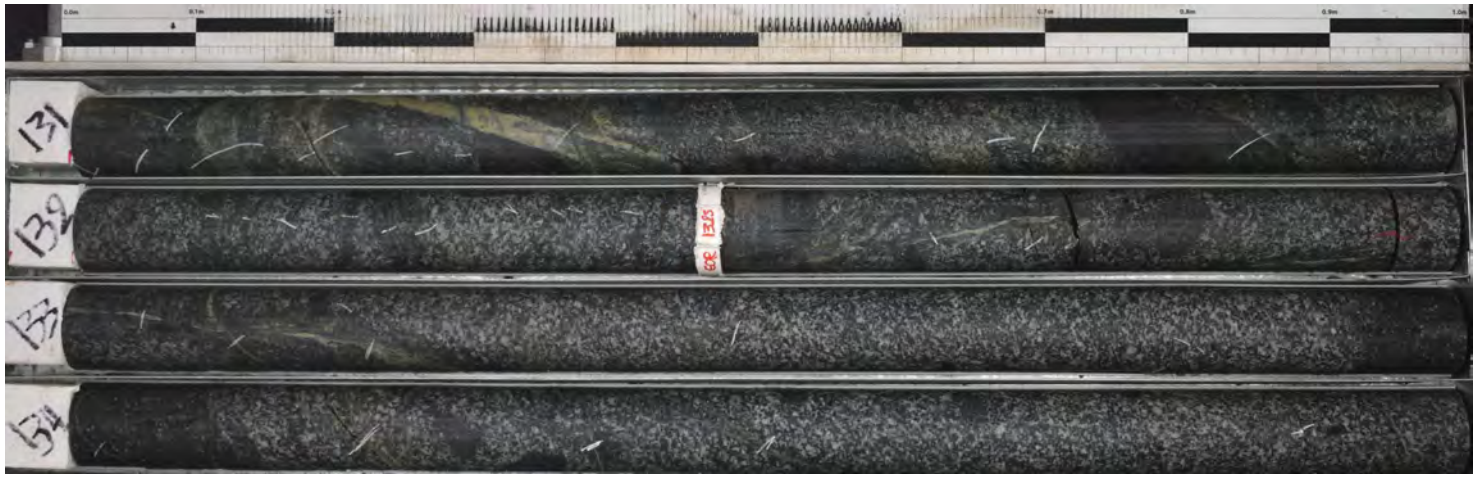


PointID : BHT-203 Depth Range: 127.00 - 131.00 m

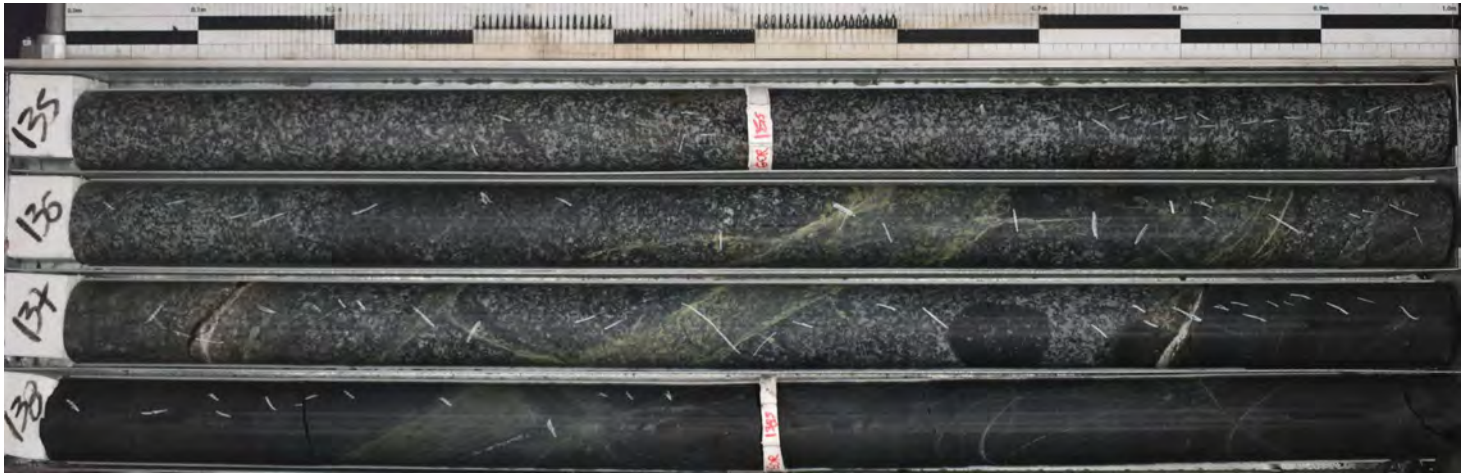
wsp	TITLE: Queensland Hydro Netherdale/Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHT-203	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 16/54

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHT-203_RC.GPJ <<DrawingFile>> 2024/12/5 15:48 10.03.00.09 Datgel Lab and In Situ Tool - DGD | Lib: WSP 5.07.2 2023-10-30 Prj: WSP 5.04.1 2023-06-14

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PointID : BHT-203 Depth Range: 131.00 - 135.00 m

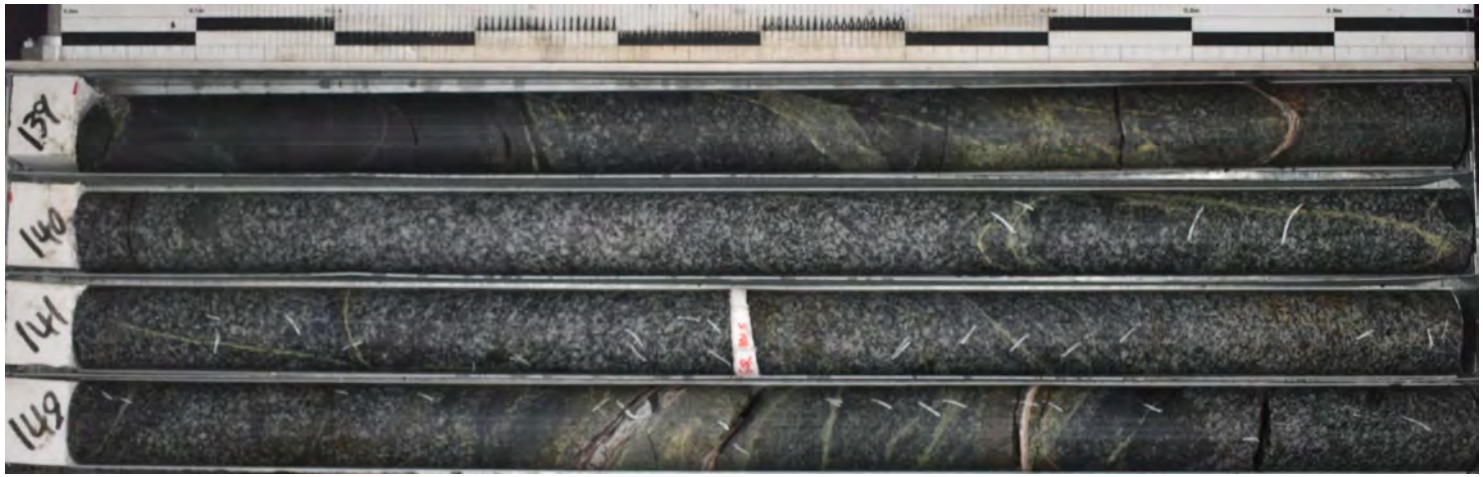


PointID : BHT-203 Depth Range: 135.00 - 139.00 m

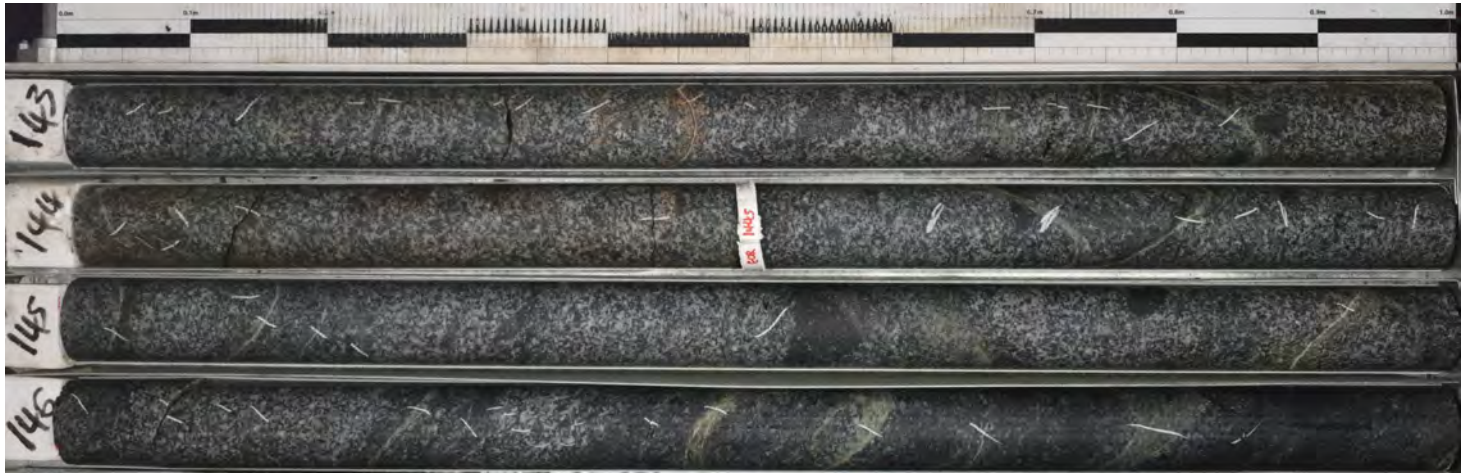
wsp	TITLE: Queensland Hydro Netherdale/Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHT-203	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 17/54

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHT-203_RC.GPJ <<DrawingFile>> 2024/12/5 15:48 10.03.00.09 Datgel Lab and In Situ Tool - DGD | Lib: WSP 5.07.2 2023-10-30 Prj: WSP 5.04.1 2023-06-14

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PointID : BHT-203 Depth Range: 139.00 - 143.00 m

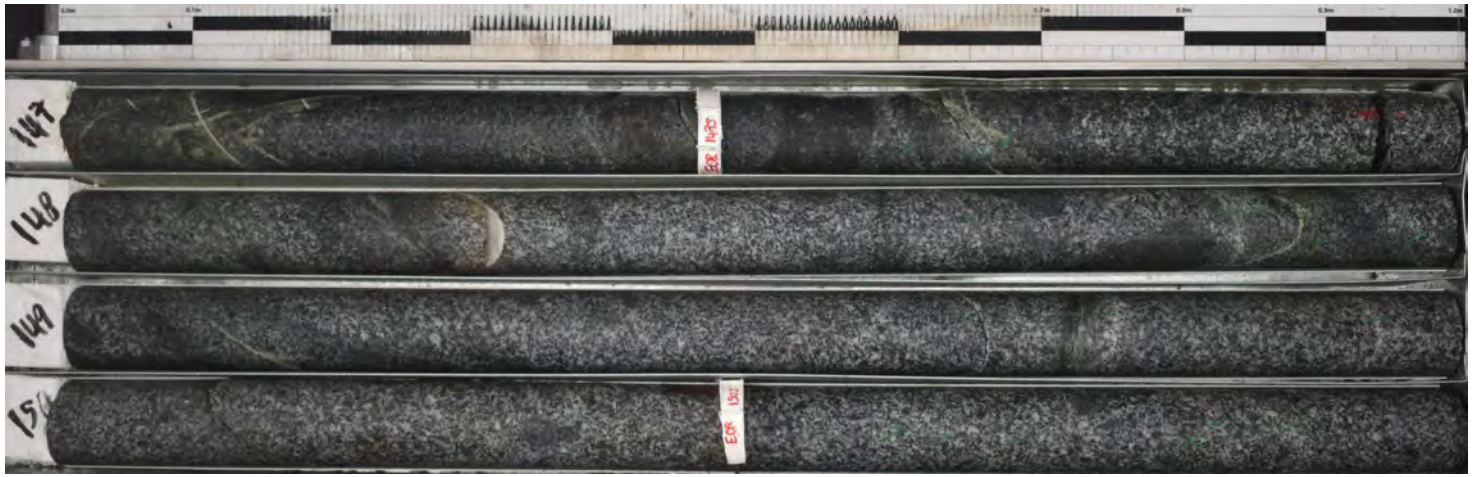


PointID : BHT-203 Depth Range: 143.00 - 147.00 m

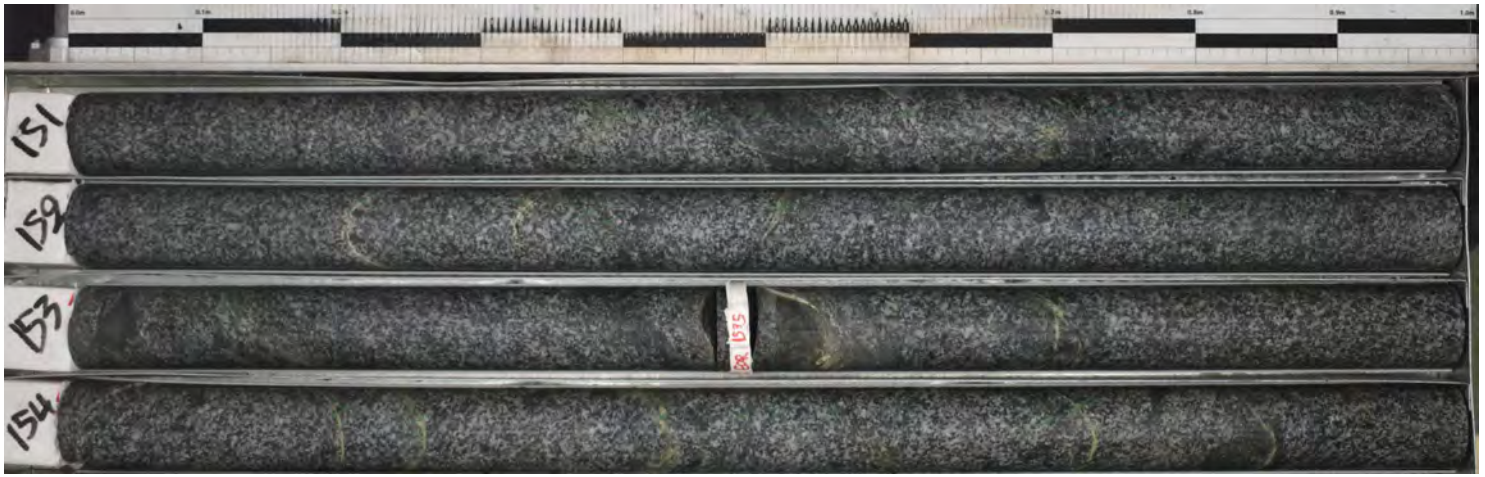
wsp	TITLE: Queensland Hydro Netherdale/Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHT-203	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 18/54

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHT-203_RC.GPJ <<DrawingFile>> 2024/12/5 15:48 10.03.00.09 Datgel Lab and In Situ Tool - DGD | Lib: WSP 5.07.2 2023-10-30 Prj: WSP 5.04.1 2023-06-14

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PointID : BHT-203 Depth Range: 147.00 - 151.00 m

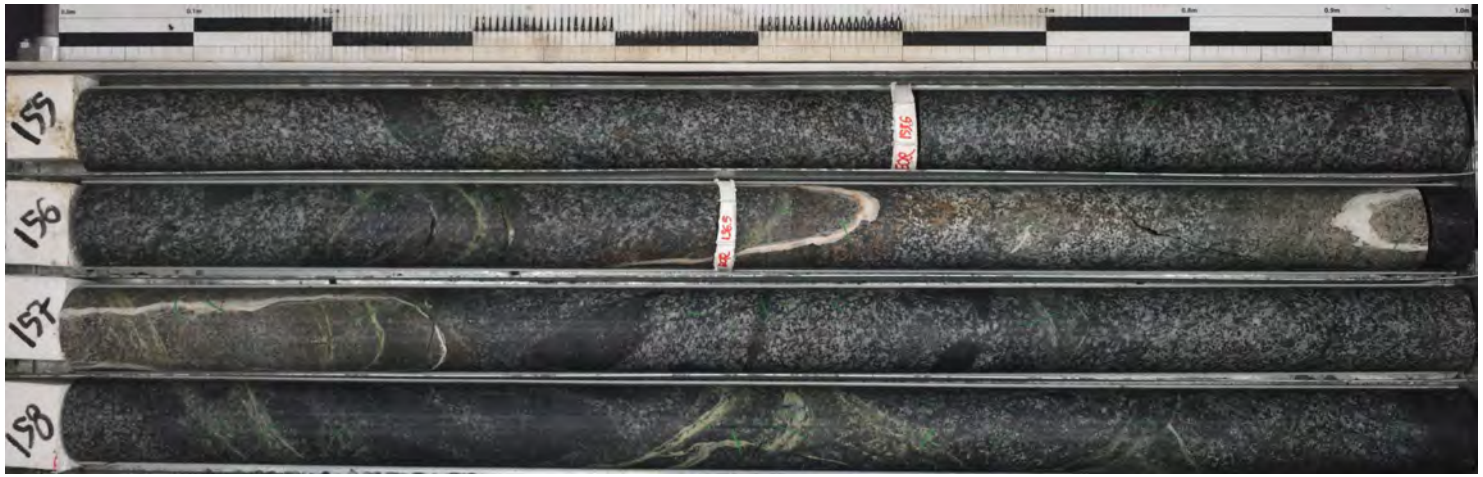


PointID : BHT-203 Depth Range: 151.00 - 155.00 m

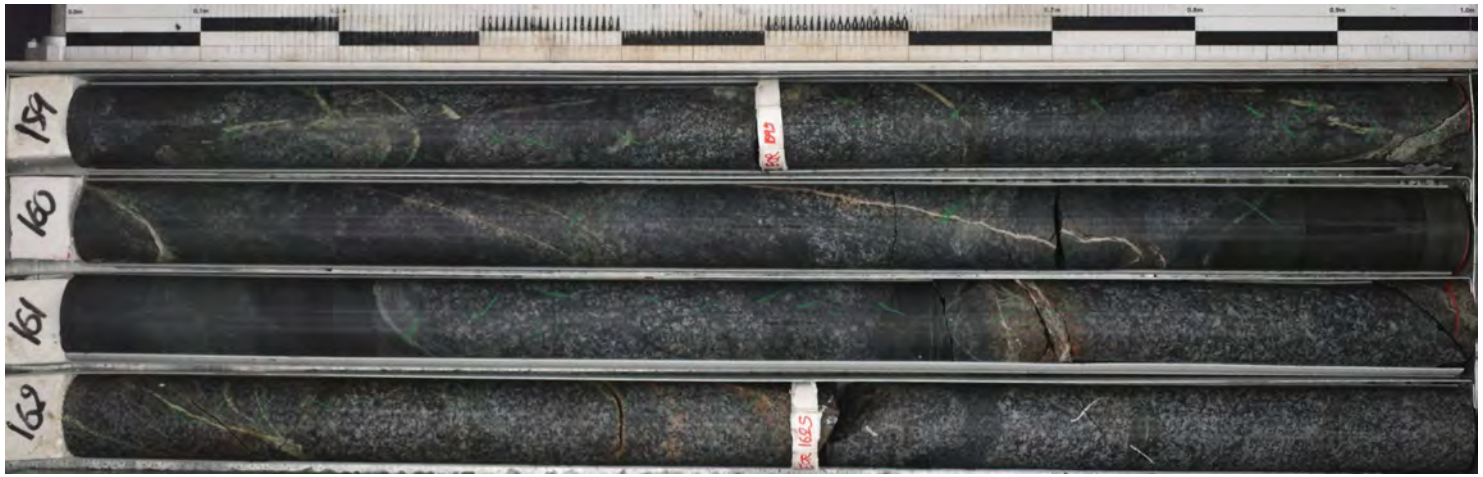
wsp	TITLE: Queensland Hydro Netherdale/Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHT-203	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 19/54

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHT-203_RC.GPJ <<DrawingFile>> 2024/12/5 15:48 10.03.00.09 Datgel Lab and In Situ Tool - DGD | Lib: WSP 5.07.2 2023-10-30 Prj: WSP 5.04.1 2023-06-14

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PointID : BHT-203 Depth Range: 155.00 - 159.00 m

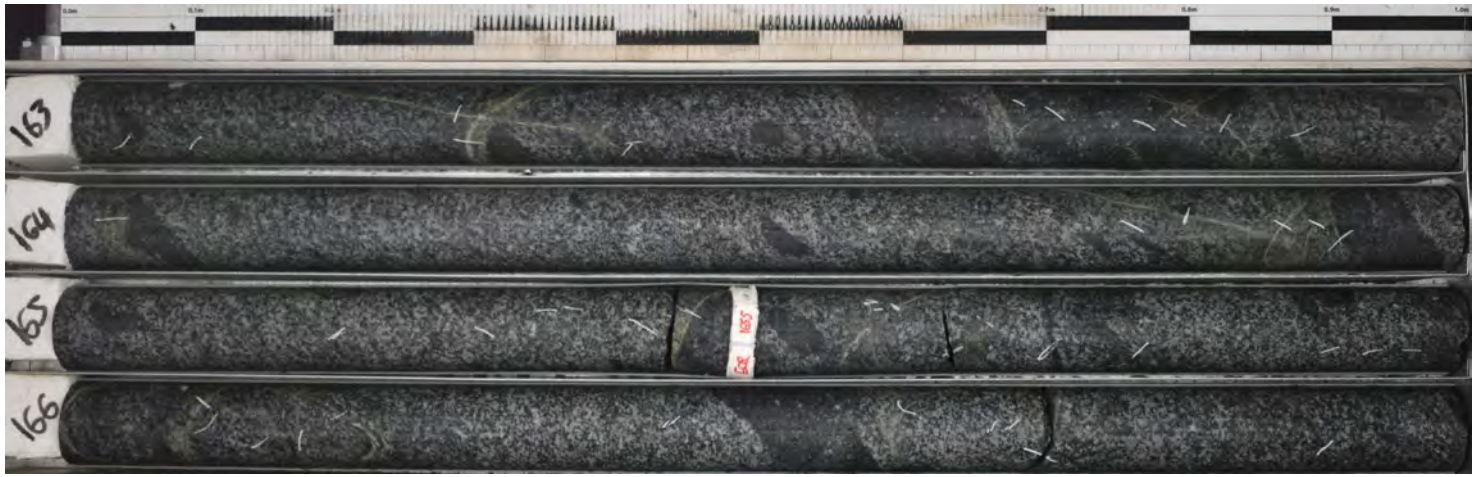


PointID : BHT-203 Depth Range: 159.00 - 163.00 m

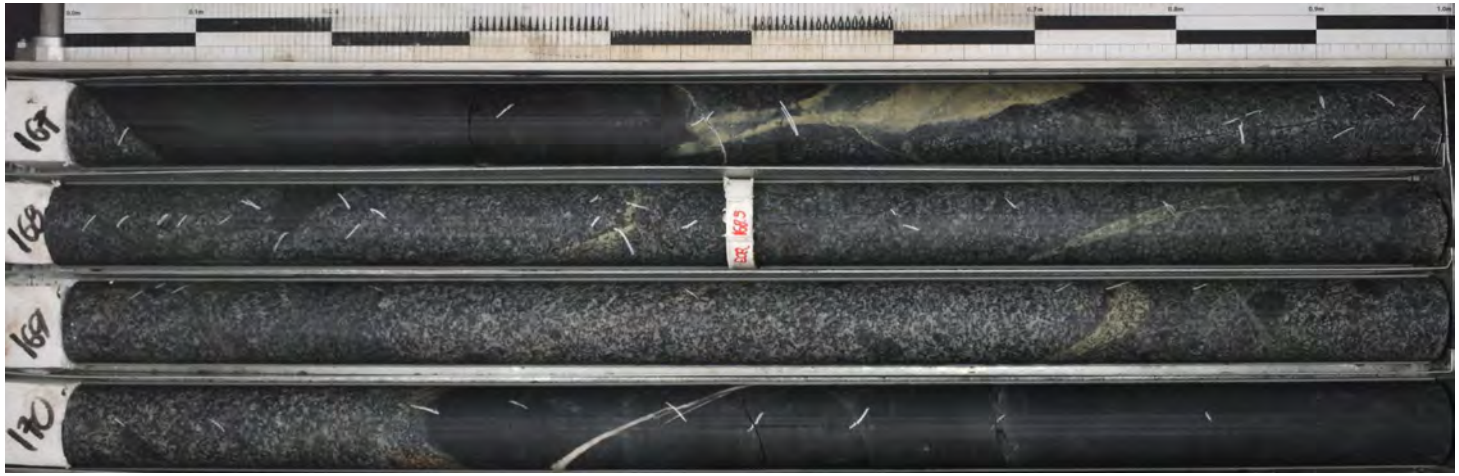
wsp	TITLE: Queensland Hydro Netherdale/Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHT-203	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 20/54

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHT-203_RC.GPJ <<DrawingFile>> 2024/12/5 15:50 10.03.00.09 Datgel Lab and In Situ Tool - DGD | Lib: WSP 5.07.2 2023-10-30 Prj: WSP 5.04.1 2023-06-14

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PointID : BHT-203 Depth Range: 163.00 - 167.00 m

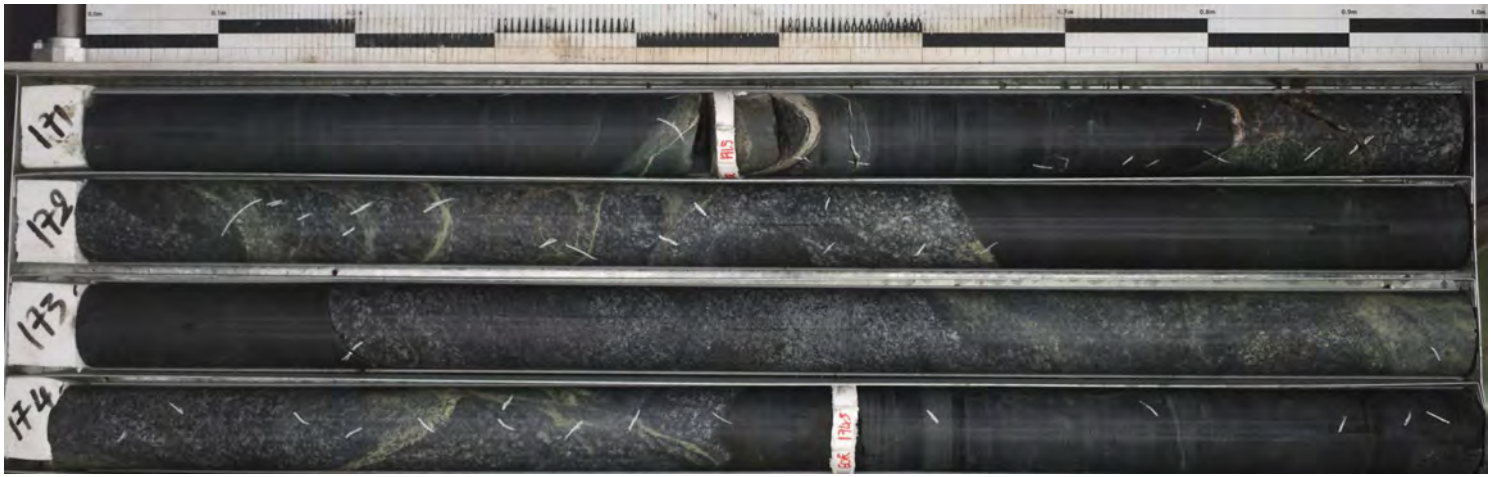


PointID : BHT-203 Depth Range: 167.00 - 171.00 m

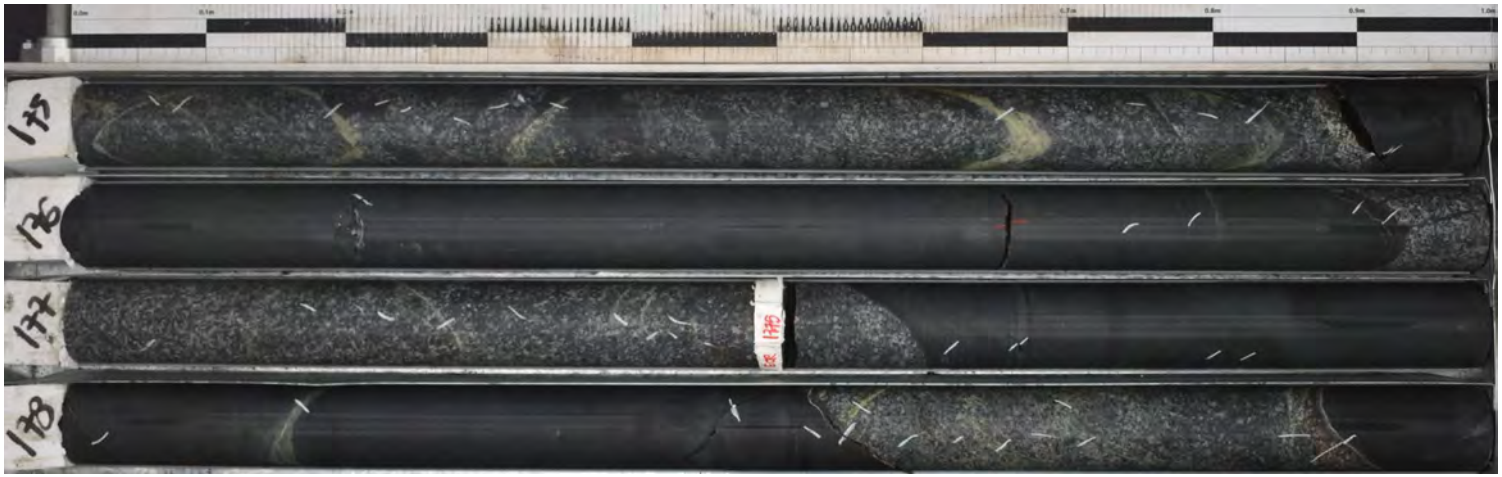
wsp	TITLE: Queensland Hydro Netherdale/Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHT-203	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 21/54

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHT-203_RC.GPJ <<DrawingFile>> 2024/12/5 15:50 10.03.00.09 Datgel Lab and In Situ Tool - DGD | Lib: WSP 5.07.2 2023-10-30 Prj: WSP 5.04.1 2023-06-14

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PointID : BHT-203 Depth Range: 171.00 - 175.00 m

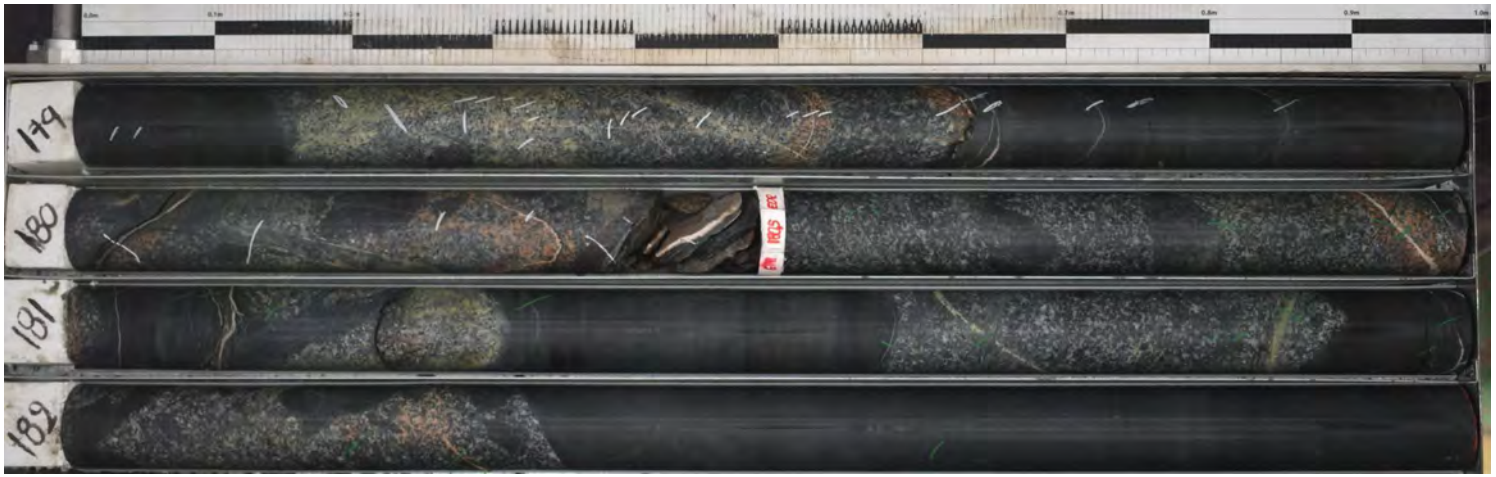


PointID : BHT-203 Depth Range: 175.00 - 179.00 m

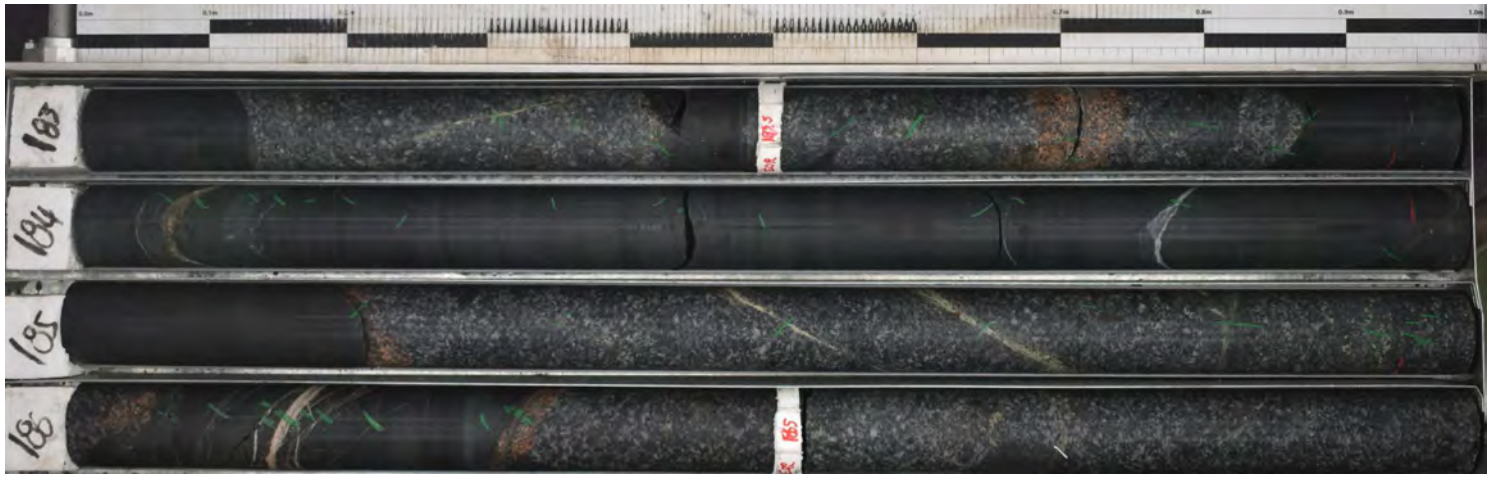
wsp	TITLE: Queensland Hydro Netherdale/Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHT-203	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 22/54

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHT-203_RC.GPJ <<DrawingFile>> 2024/12/5 15:50 10.03.00.09 Datgel Lab and In Situ Tool - DGD | Lib: WSP 5.07.2 2023-10-30 Prj: WSP 5.04.1 2023-06-14

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PointID : BHT-203 Depth Range: 179.00 - 183.00 m

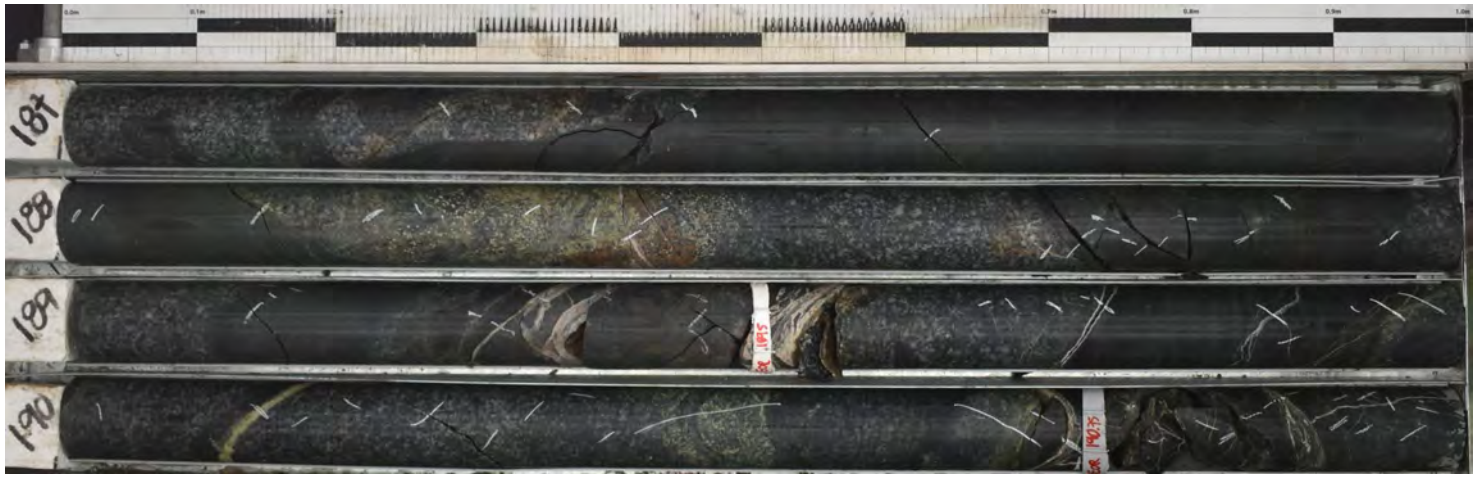


PointID : BHT-203 Depth Range: 183.00 - 187.00 m

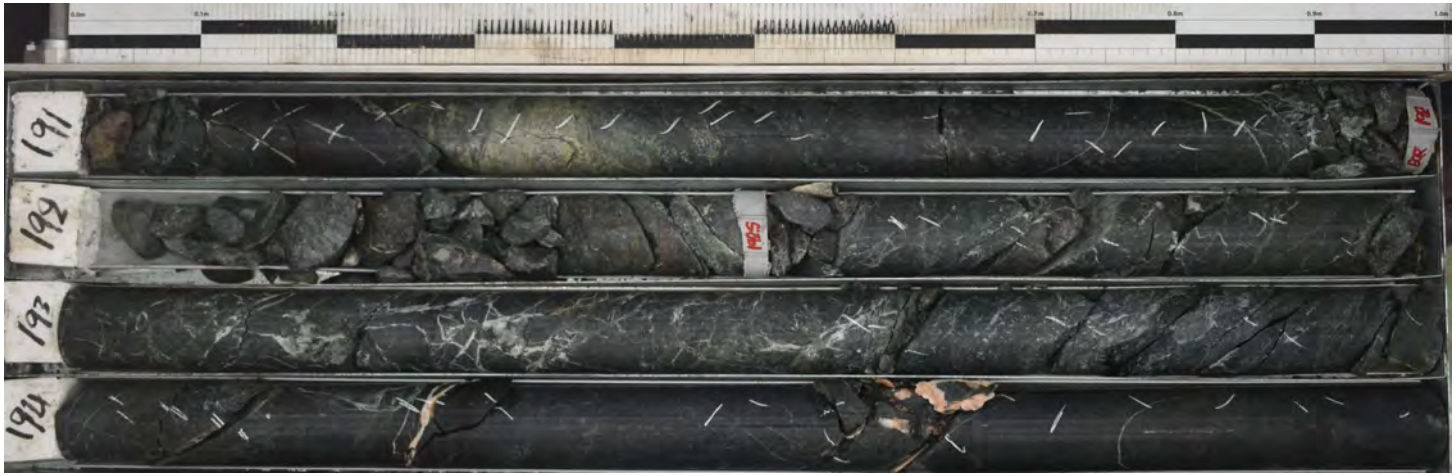
wsp	TITLE: Queensland Hydro Netherdale/Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHT-203	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 23/54

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHT-203_RC.GPJ <<DrawingFile>> 2024/12/5 15:51 10.03.00.09 Datgel Lab and In Situ Tool - DGD | Lib: WSP 5.07.2 2023-10-30 Prj: WSP 5.04.1 2023-06-14

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PointID : BHT-203 Depth Range: 187.00 - 191.00 m

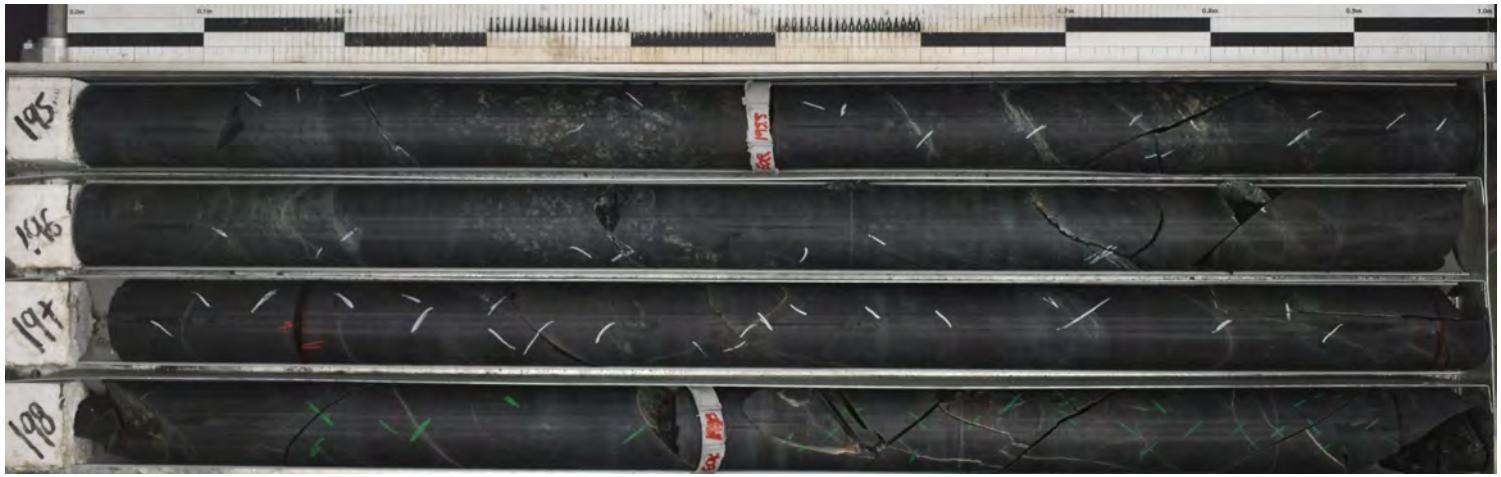


PointID : BHT-203 Depth Range: 191.00 - 195.00 m

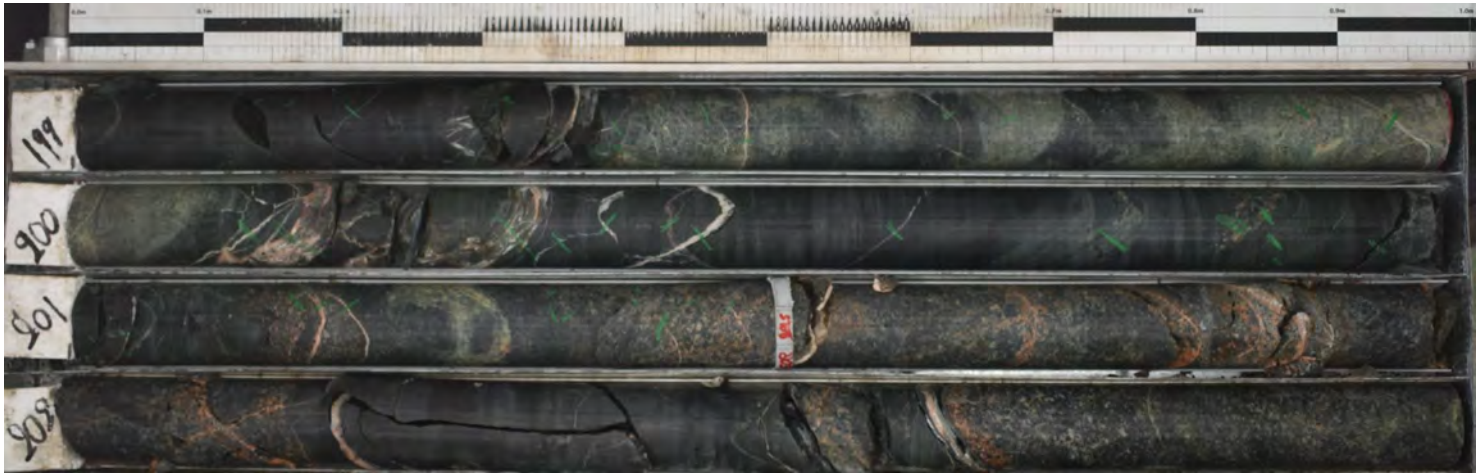
wsp	TITLE: Queensland Hydro Netherdale/Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHT-203	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 24/54

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHT-203_RC.GPJ <<DrawingFile>> 2024/12/5 15:51 10.03.00.09 Datgel Lab and In Situ Tool - DGD | Lib: WSP 5.07.2 2023-10-30 Prj: WSP 5.04.1 2023-06-14

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PointID : BHT-203 Depth Range: 195.00 - 199.00 m

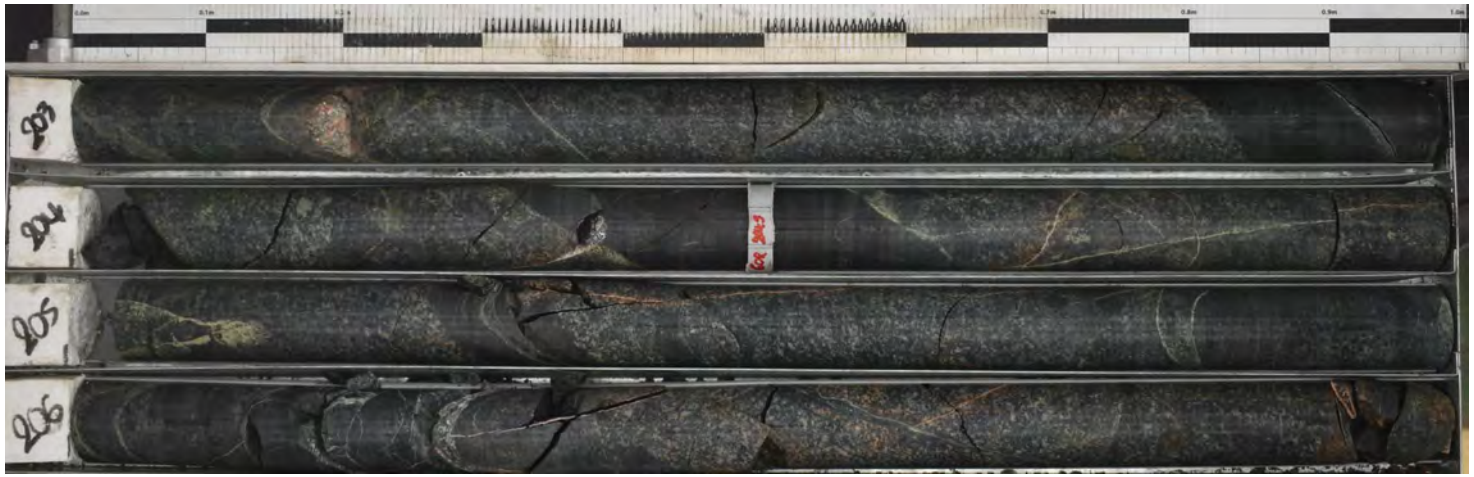


PointID : BHT-203 Depth Range: 199.00 - 203.00 m

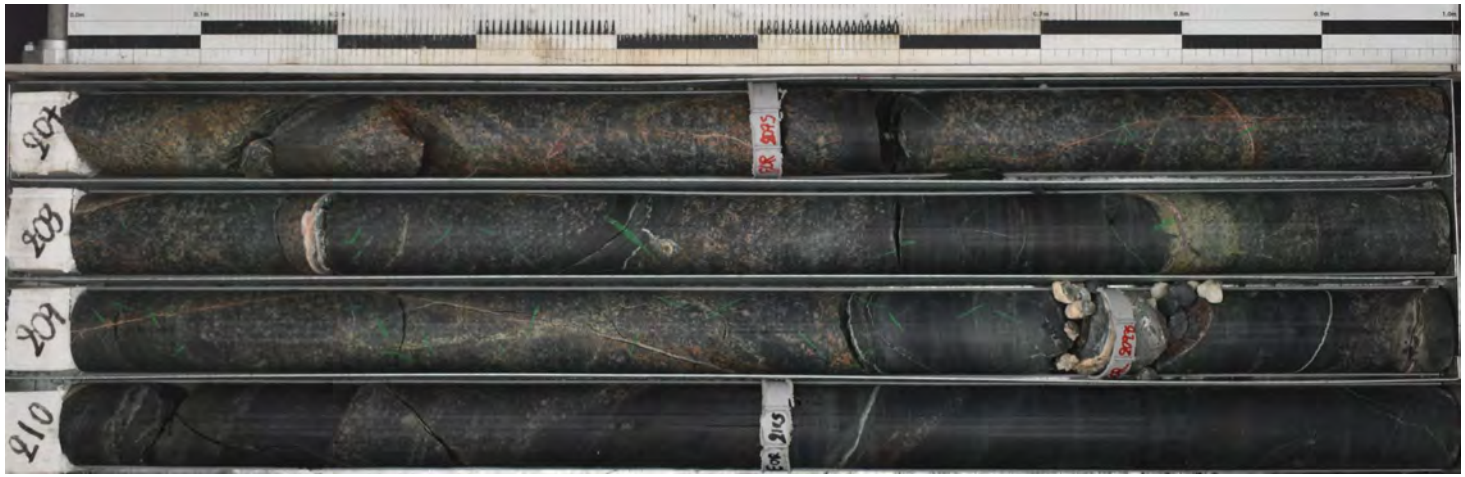
wsp	TITLE: Queensland Hydro Netherdale/Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHT-203	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 25/54

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHT-203_RC.GPJ <<DrawingFile>> 2024/12/5 15:51 10.03.00.09 Datgel Lab and In Situ Tool - DGD | Lib: WSP 5.07.2 2023-10-30 Prj: WSP 5.04.1 2023-06-14

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PointID : BHT-203 Depth Range: 203.00 - 207.00 m



PointID : BHT-203 Depth Range: 207.00 - 211.00 m

wsp

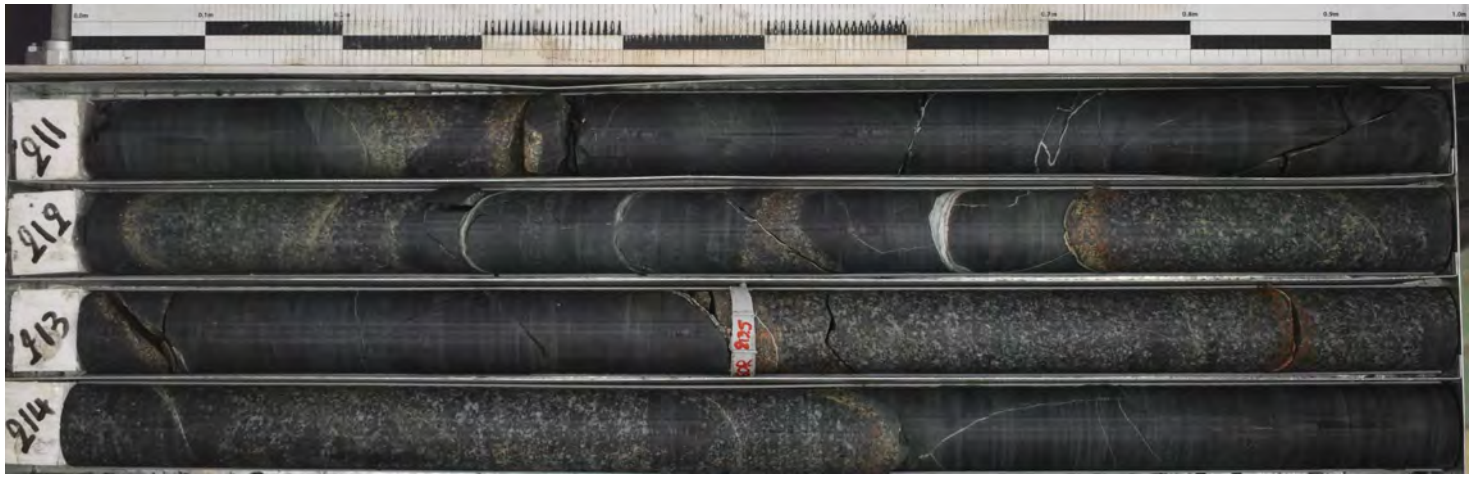
TITLE

Queensland Hydro
Netherdale/Dalrymple Heights
Pioneer-Burdekin PHES
Core photo - BHT-203

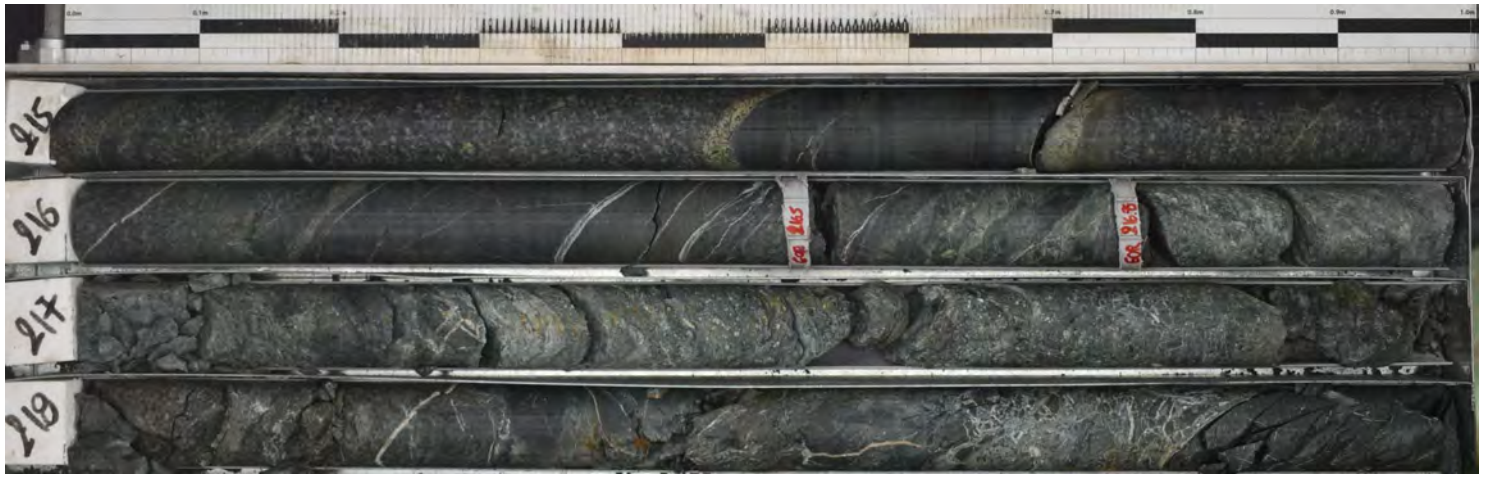
DRAWN	RC	DATE	2/12/2024
CHECKED	GEM	DATE	4/12/2024
SCALE	Not To Scale		A4
PROJECT No	PS138693	FIGURE No	26/54

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHT-203_RC.GPJ <<DrawingFile>> 2024/12/5 15:51 10.03.00.09 Datgel Lab and In Situ Tool - DGD | Lib: WSP 5.07.2 2023-10-30 Prj: WSP 5.04.1 2023-06-14

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PointID : BHT-203 Depth Range: 211.00 - 215.00 m

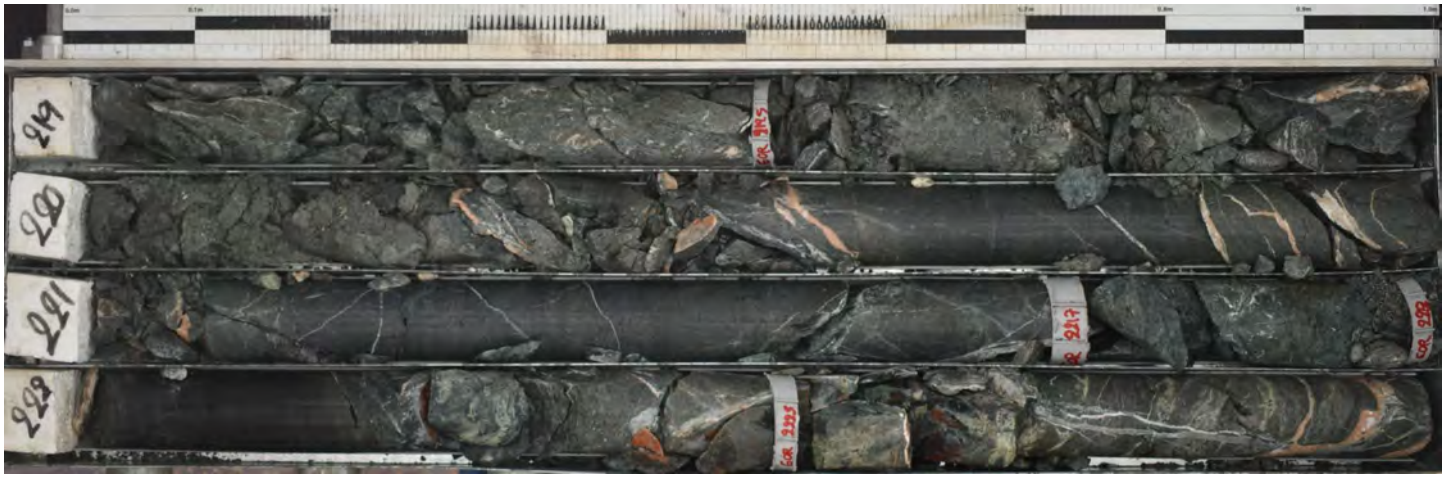


PointID : BHT-203 Depth Range: 215.00 - 219.00 m

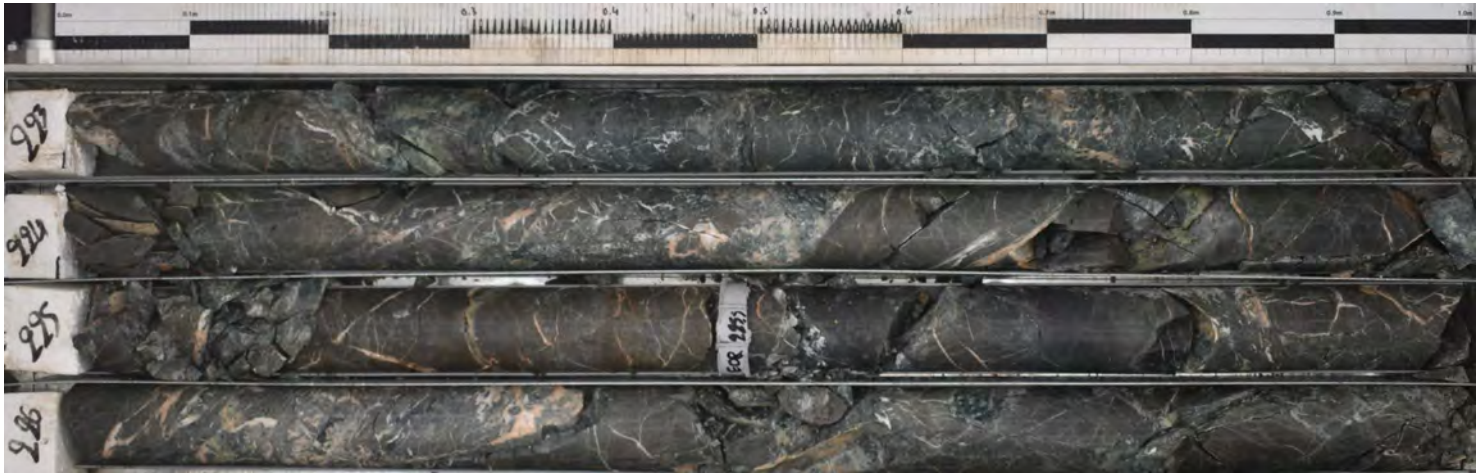
wsp	TITLE: Queensland Hydro Netherdale/Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHT-203	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 27/54

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHT-203_RC.GPJ <<DrawingFile>> 2024/12/5 15:51 10.03.00.09 Datgel Lab and In Situ Tool - DGD | Lib: WSP 5.07.2 2023-10-30 Prj: WSP 5.04.1 2023-06-14

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PointID : BHT-203 Depth Range: 219.00 - 223.00 m

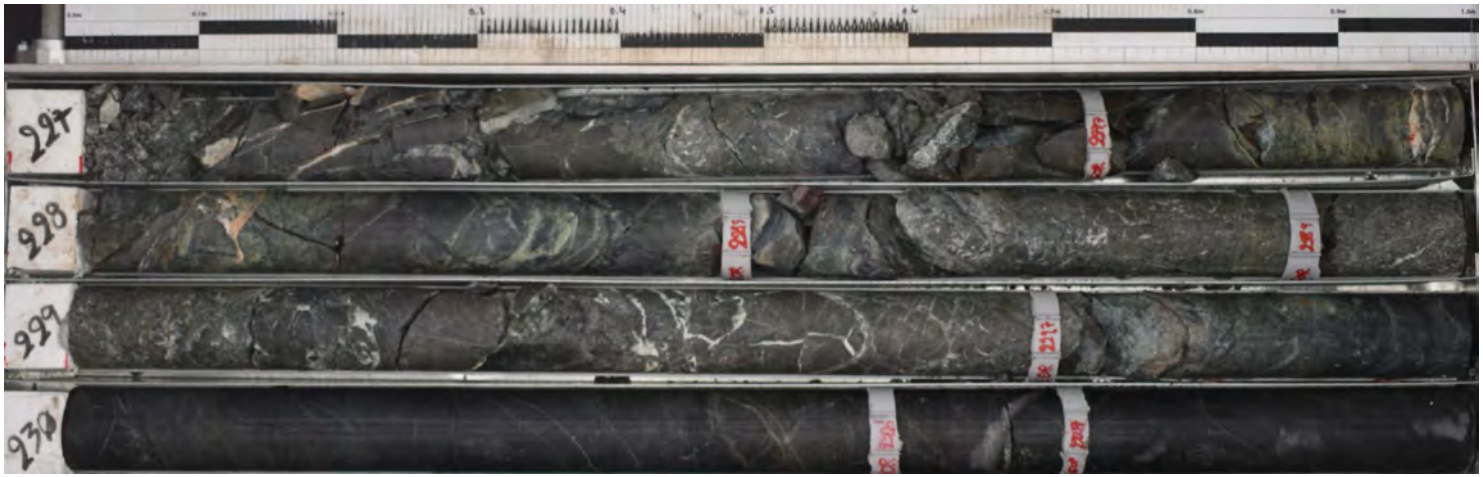


PointID : BHT-203 Depth Range: 223.00 - 227.00 m

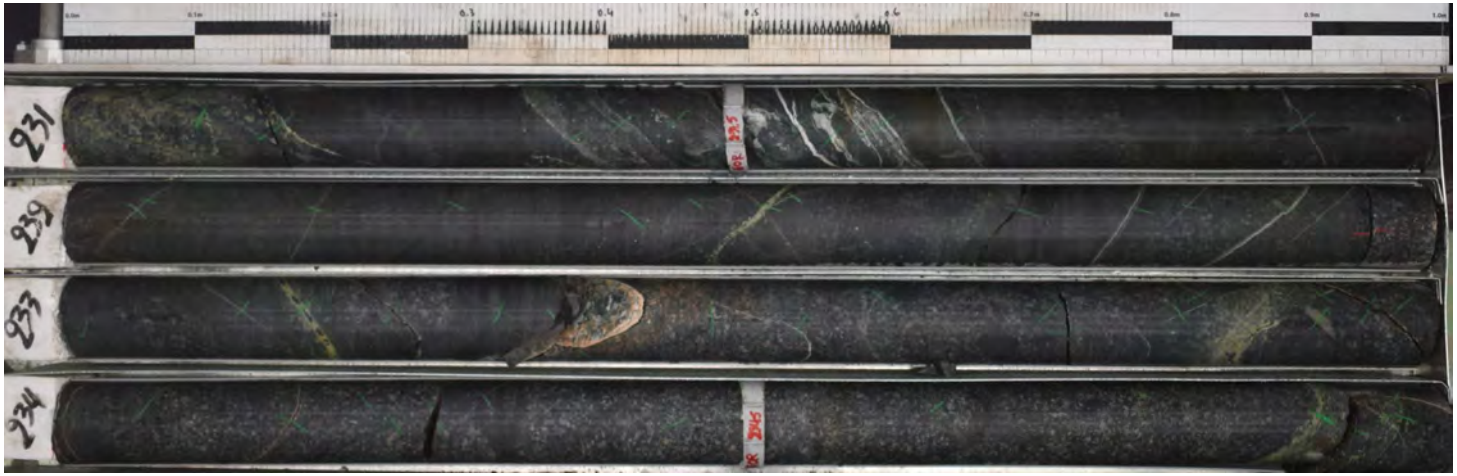
wsp	TITLE Queensland Hydro Netherdale/Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHT-203	DRAWN RC / DATE 2/12/2024 CHECKED GEM / DATE 4/12/2024 SCALE Not To Scale / A4 PROJECT No PS138693 / FIGURE No 28/54	

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHT-203_RC.GPJ <<DrawingFile>> 2024/12/5 15:51 10.03.00.09 Datgel Lab and In Situ Tool - DGD | Lib: WSP 5.07.2 2023-10-30 Prj: WSP 5.04.1 2023-06-14

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PointID : BHT-203 Depth Range: 227.00 - 231.00 m

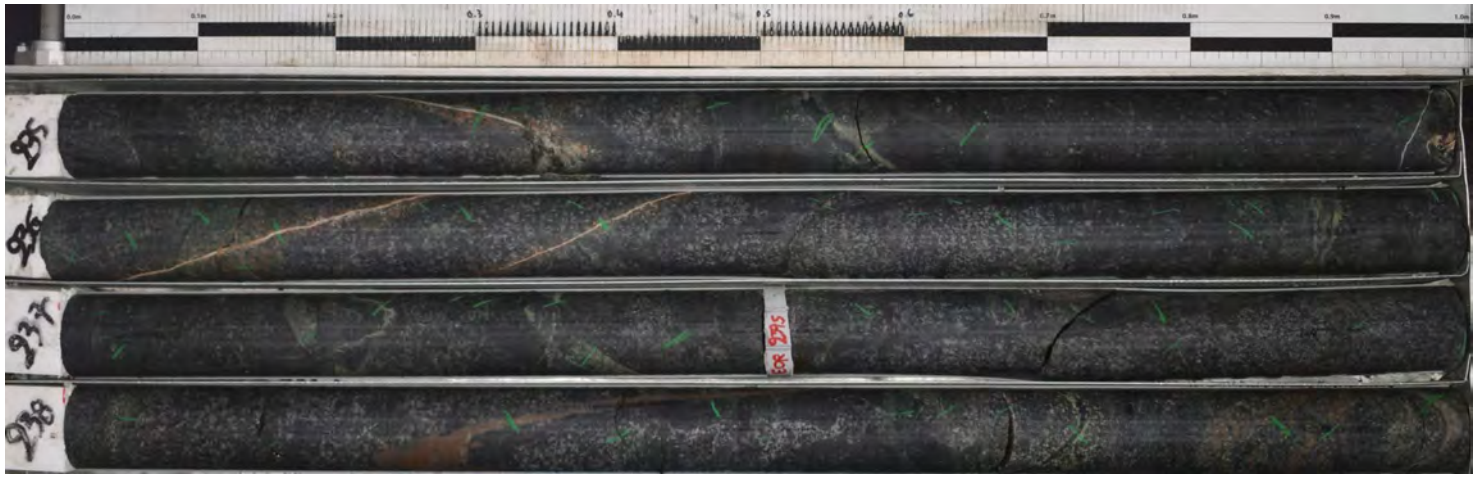


PointID : BHT-203 Depth Range: 231.00 - 235.00 m

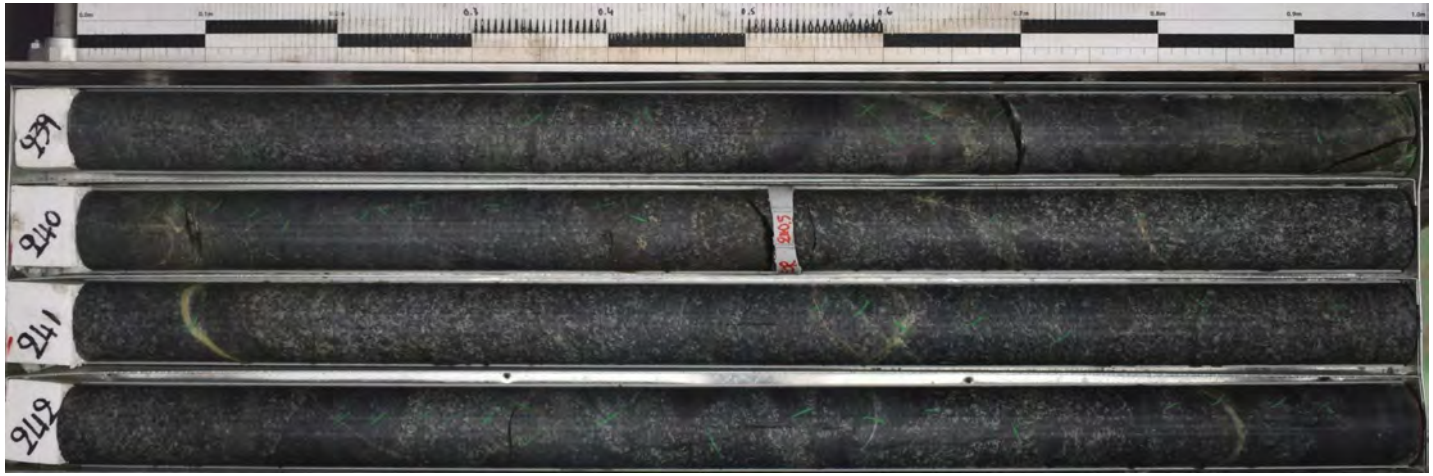
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		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 29/54

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHT-203_RC.GPJ <<DrawingFile>> 2024/12/5 15:51 10.03.00.09 Datgel Lab and In Situ Tool - DGD | Lib: WSP 5.07.2 2023-10-30 Prj: WSP 5.04.1 2023-06-14

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PointID : BHT-203 Depth Range: 235.00 - 239.00 m



PointID : BHT-203 Depth Range: 239.00 - 243.00 m

wsp

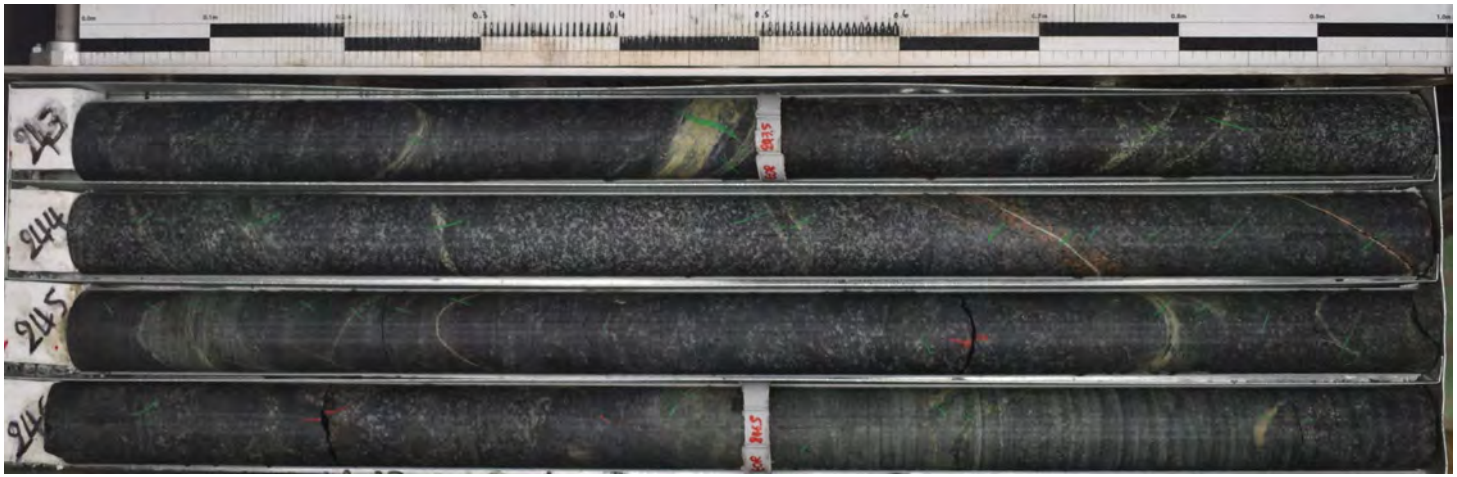
TITLE

Queensland Hydro
Netherdale/Dalrymple Heights
Pioneer-Burdekin PHES
Core photo - BHT-203

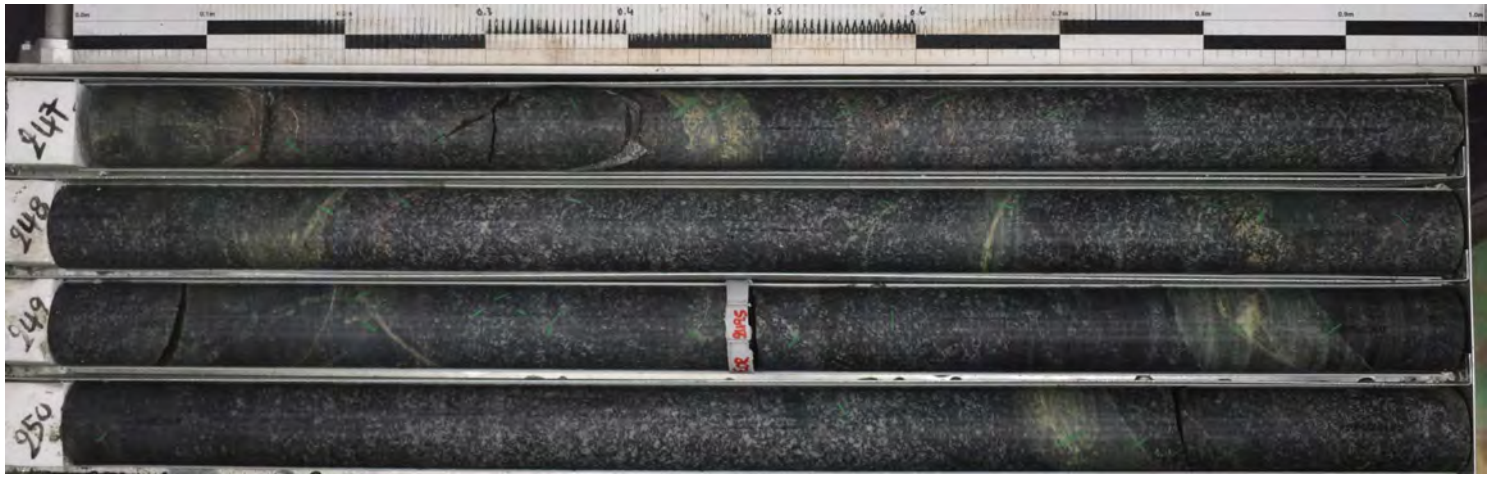
DRAWN	RC	DATE	2/12/2024
CHECKED	GEM	DATE	4/12/2024
SCALE	Not To Scale		A4
PROJECT No	PS138693	FIGURE No	30/54

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHT-203_RC.GPJ <<DrawingFile>> 2024/12/5 15:51 10.03.00.09 Datgel Lab and In Situ Tool - DGD | Lib: WSP 5.07.2 2023-10-30 Prj: WSP 5.04.1 2023-06-14

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PointID : BHT-203 Depth Range: 243.00 - 247.00 m

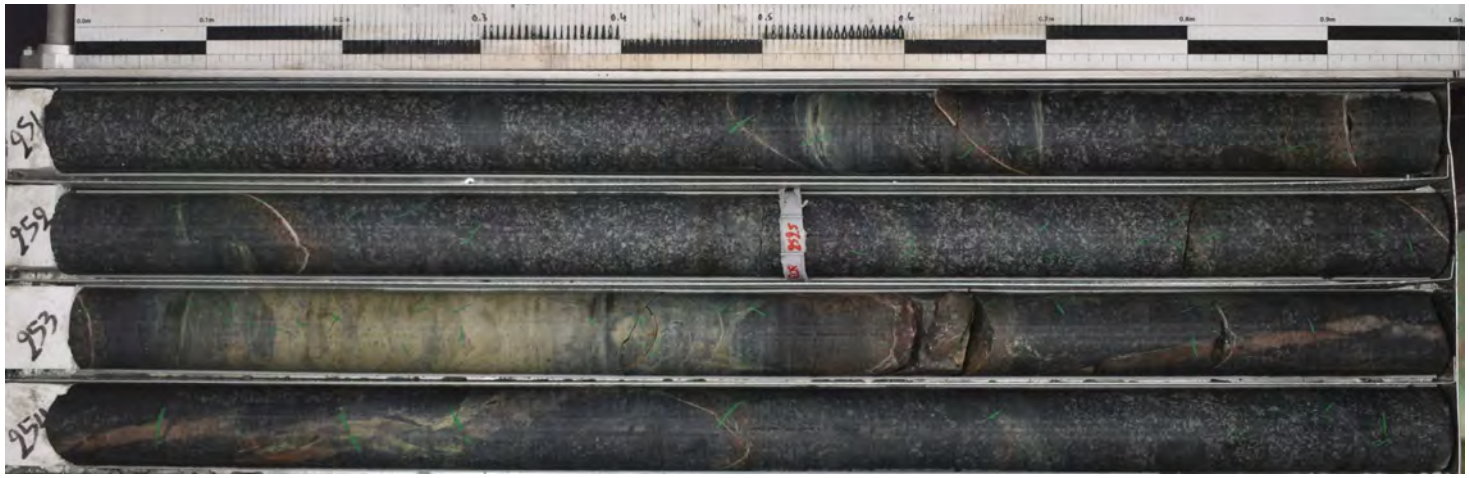


PointID : BHT-203 Depth Range: 247.00 - 251.00 m

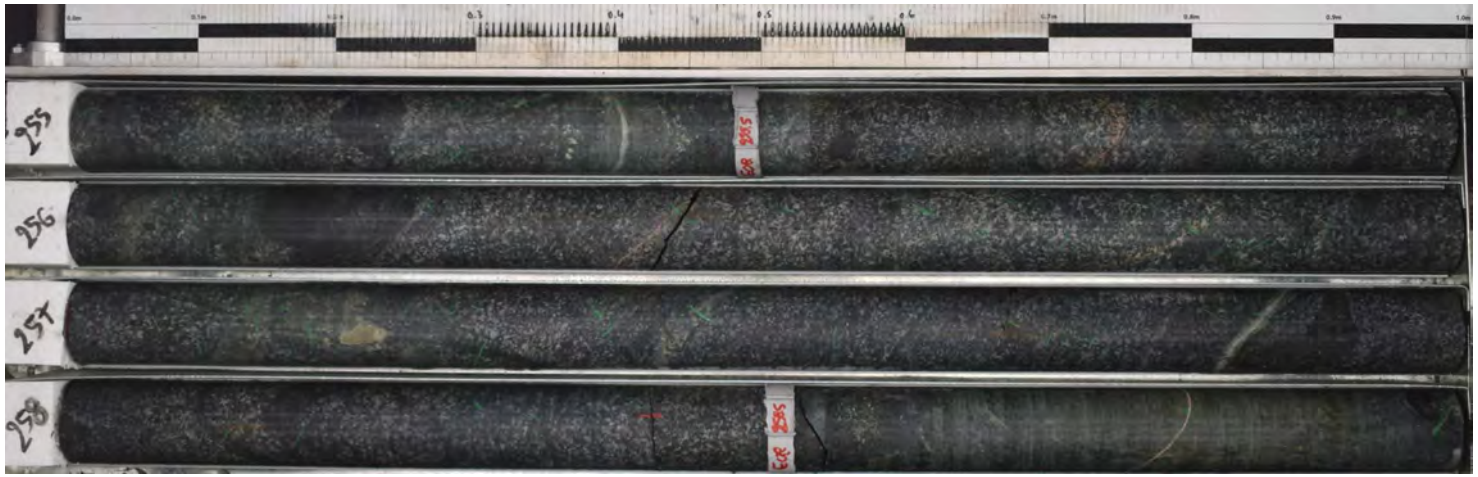
wsp	TITLE: Queensland Hydro Netherdale/Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHT-203	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 31/54

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHT-203_RC.GPJ <<DrawingFile>> 2024/12/5 15:51 10.03.00.09 Datgel Lab and In Situ Tool - DGD | Lib: WSP 5.07.2 2023-10-30 Prj: WSP 5.04.1 2023-06-14

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PointID : BHT-203 Depth Range: 251.00 - 255.00 m

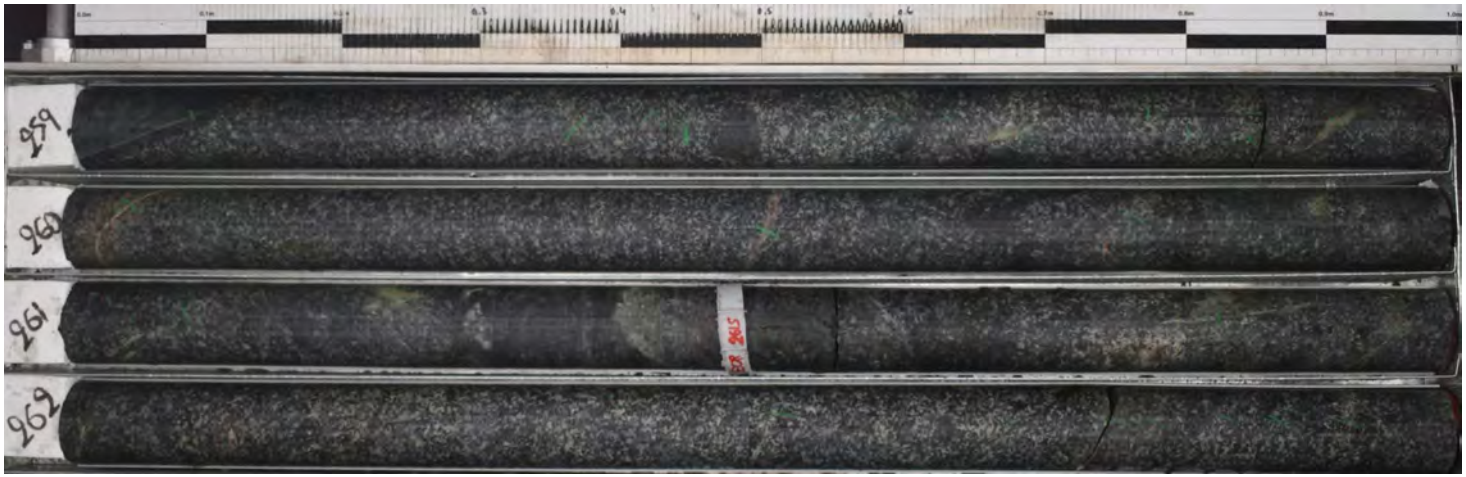


PointID : BHT-203 Depth Range: 255.00 - 259.00 m

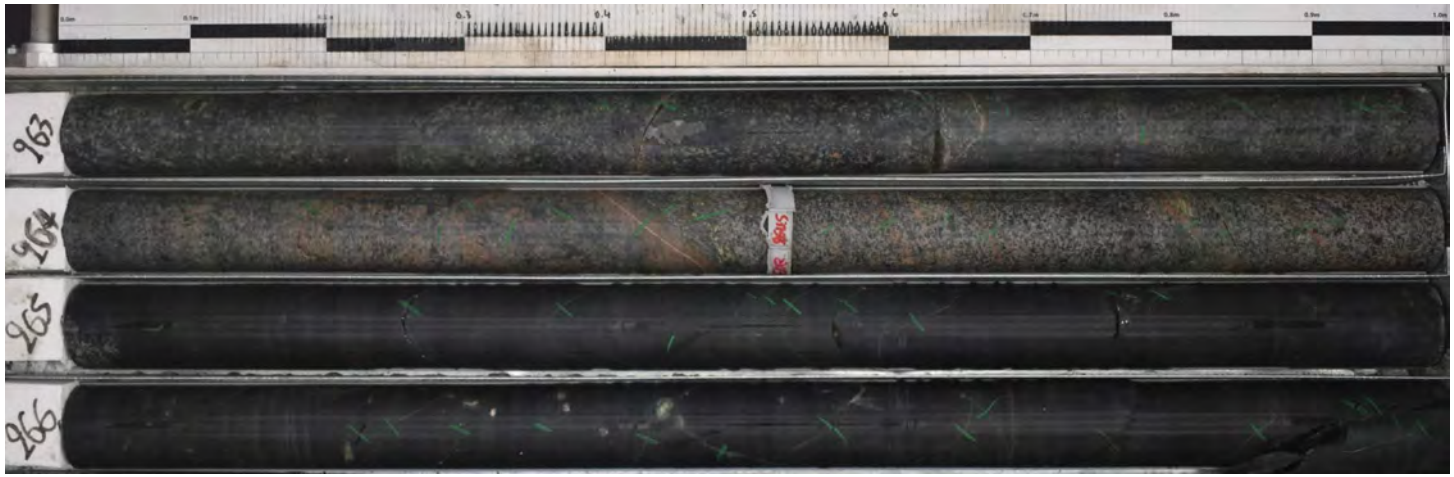
wsp	TITLE: Queensland Hydro Netherdale/Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHT-203	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 32/54

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHT-203_RC.GPJ <<DrawingFile>> 2024/12/5 15:51 10.03.00.09 Datgel Lab and In Situ Tool - DGD | Lib: WSP 5.07.2 2023-10-30 Prj: WSP 5.04.1 2023-06-14

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PointID : BHT-203 Depth Range: 259.00 - 263.00 m

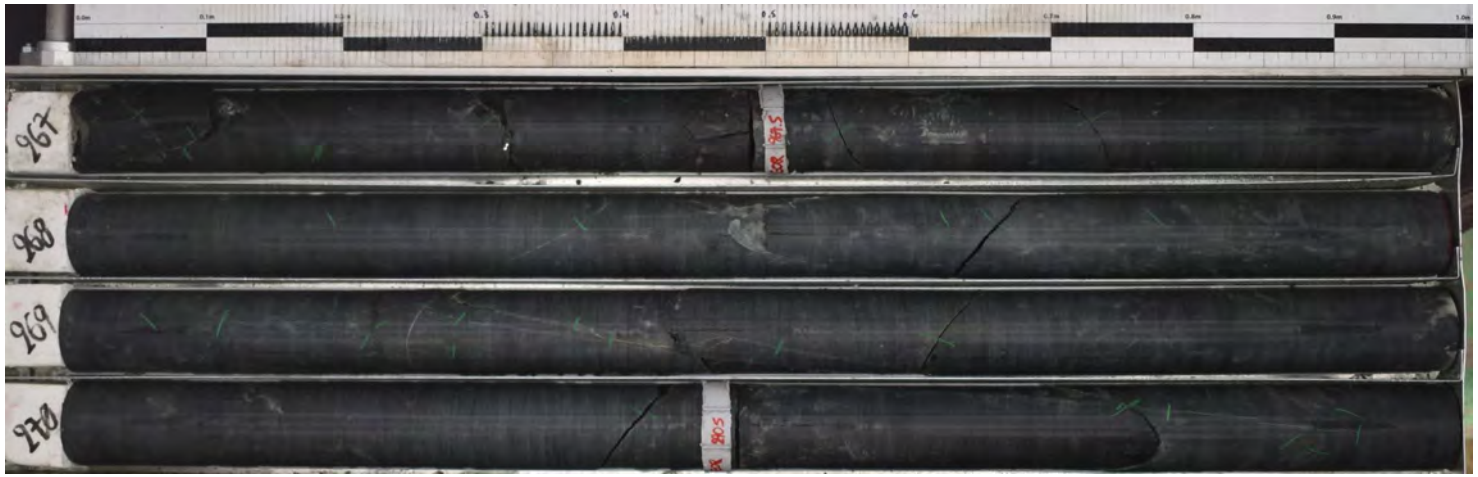


PointID : BHT-203 Depth Range: 263.00 - 267.00 m

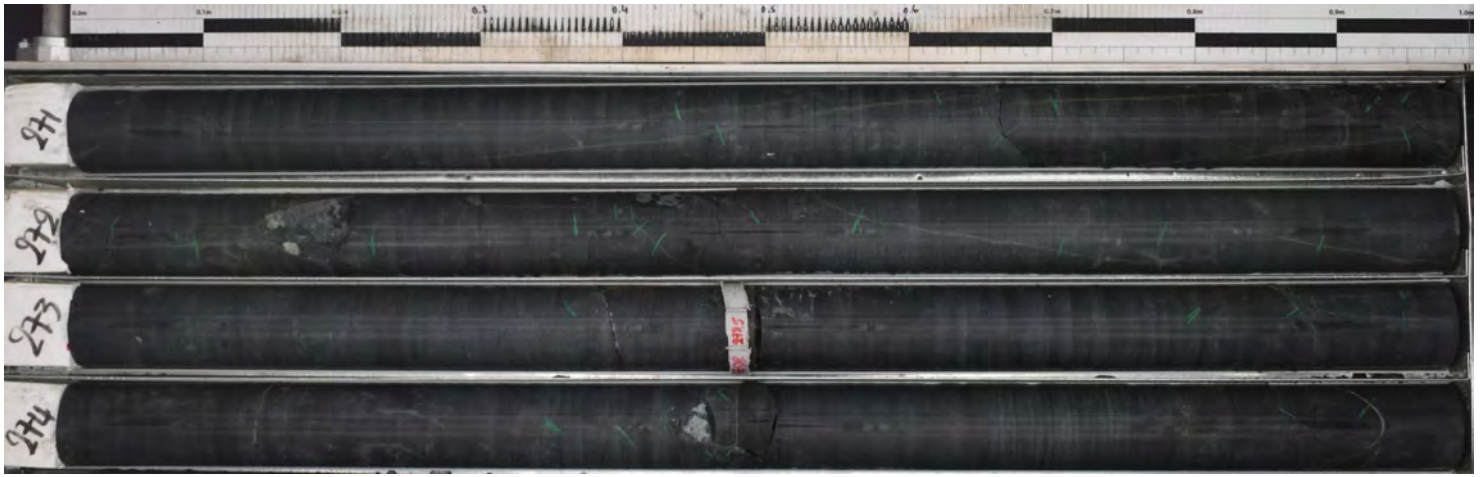
wsp	TITLE: Queensland Hydro Netherdale/Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHT-203	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 33/54

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHT-203_RC.GPJ <<DrawingFile>> 2024/12/5 15:51 10.03.00.09 Datgel Lab and In Situ Tool - DGD | Lib: WSP 5.07.2 2023-10-30 Prj: WSP 5.04.1 2023-06-14

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PointID : BHT-203 Depth Range: 267.00 - 271.00 m

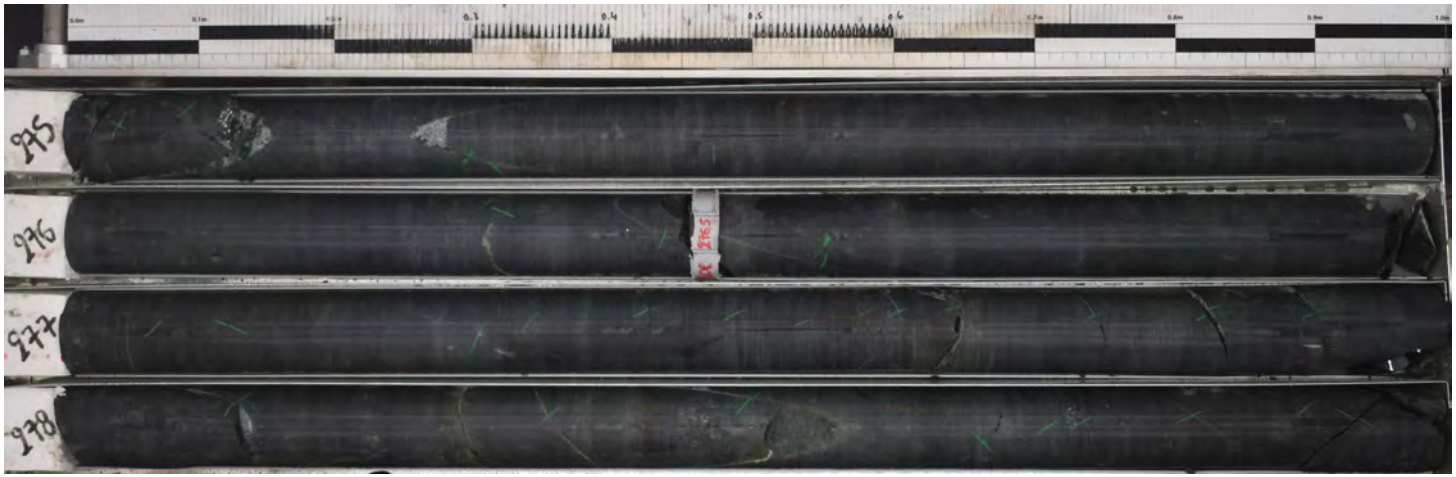


PointID : BHT-203 Depth Range: 271.00 - 275.00 m

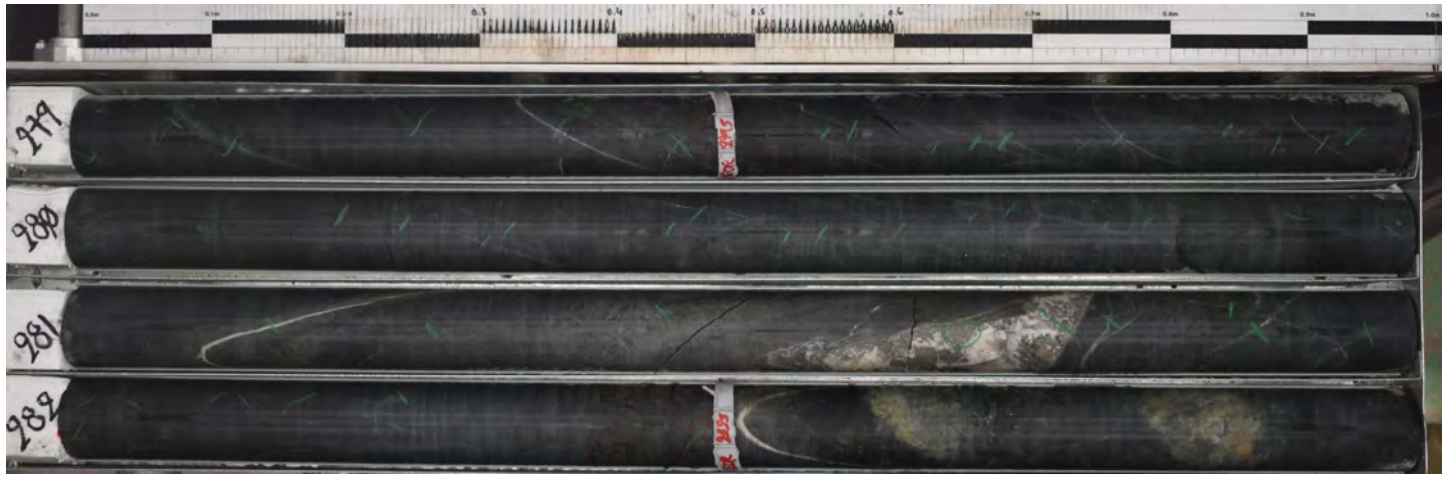
wsp	TITLE: Queensland Hydro Netherdale/Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHT-203	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 34/54

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHT-203_RC.GPJ <<DrawingFile>> 2024/12/5 15:52 10.03.00.09 Datgel Lab and In Situ Tool - DGD | Lib: WSP 5.07.2 2023-10-30 Prj: WSP 5.04.1 2023-06-14

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PointID : BHT-203 Depth Range: 275.00 - 279.00 m

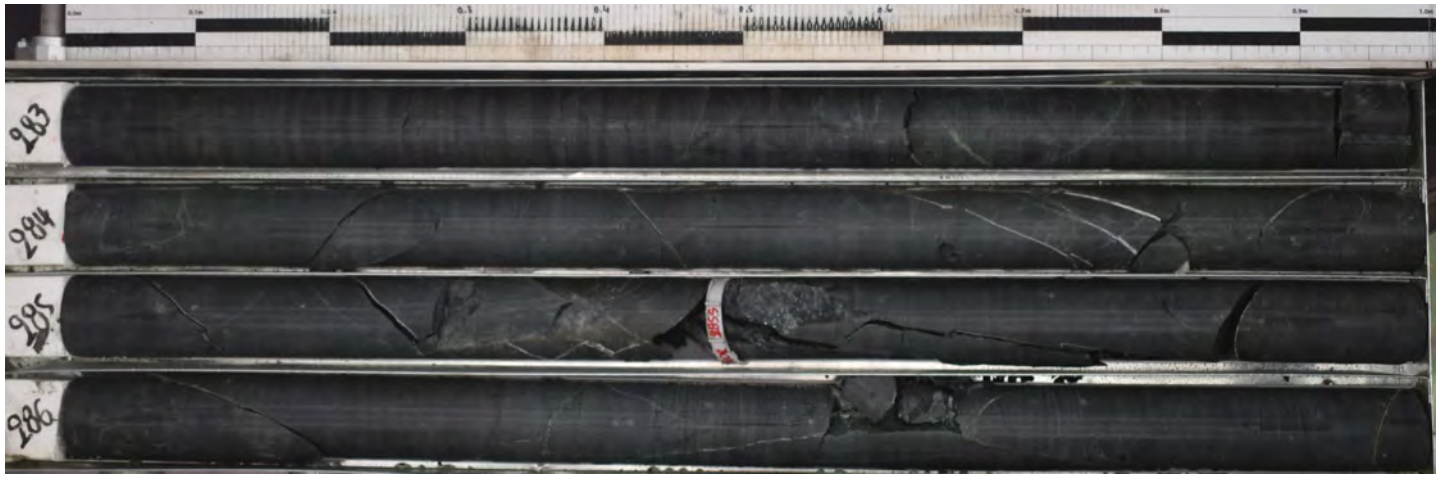


PointID : BHT-203 Depth Range: 279.00 - 283.00 m

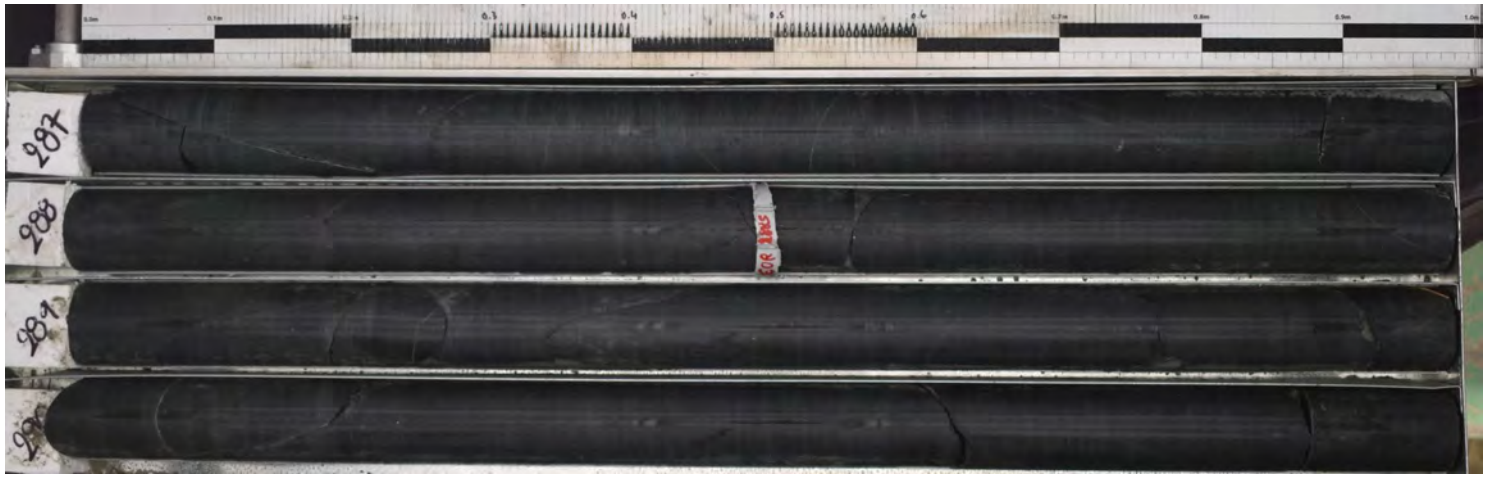
wsp	TITLE: Queensland Hydro Netherdale/Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHT-203	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 35/54

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHT-203_RC.GPJ <<DrawingFile>> 2024/12/5 15:52 10.03.00.09 Datgel Lab and In Situ Tool - DGD | Lib: WSP 5.07.2 2023-10-30 Prj: WSP 5.04.1 2023-06-14

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PointID : BHT-203 Depth Range: 283.00 - 287.00 m

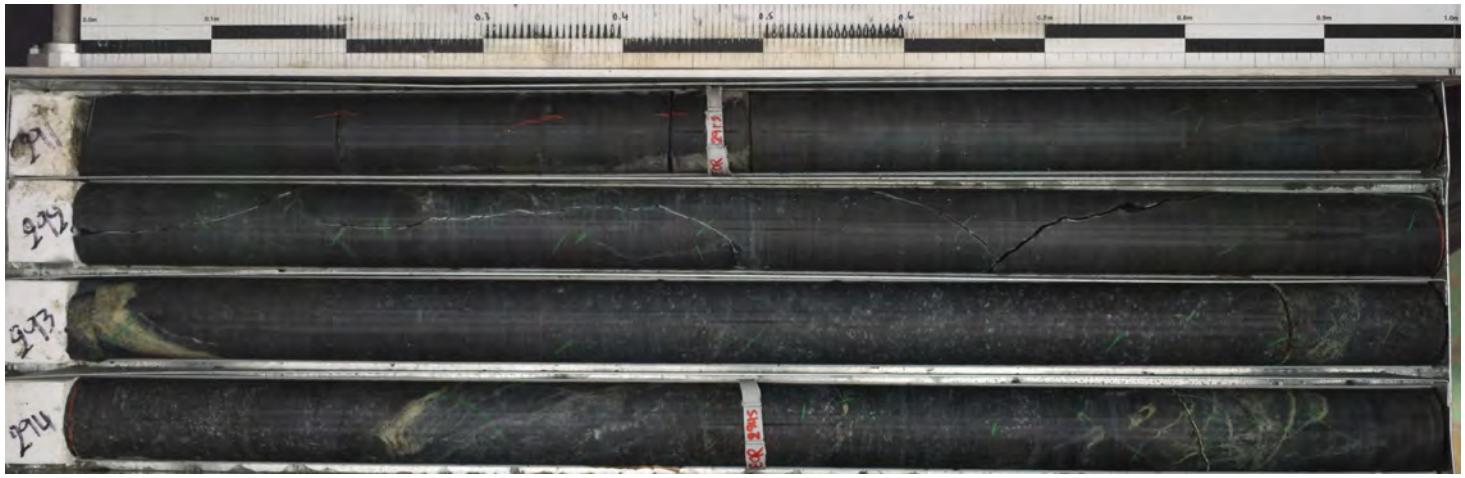


PointID : BHT-203 Depth Range: 287.00 - 291.00 m

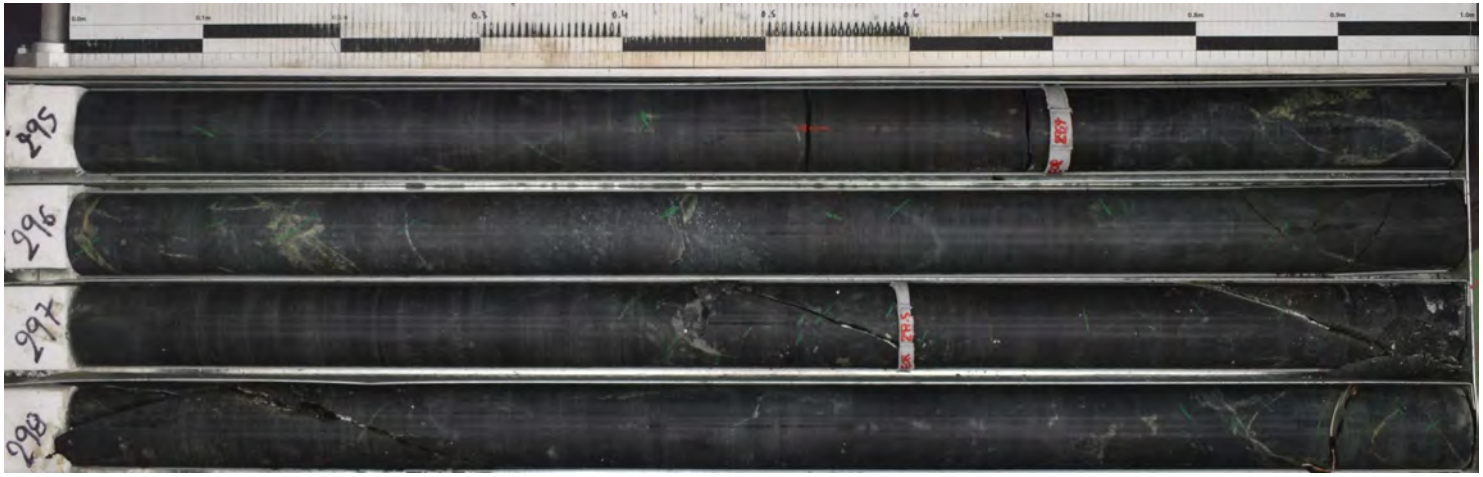
wsp	TITLE: Queensland Hydro Netherdale/Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHT-203	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 36/54

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHT-203_RC.GPJ <<DrawingFile>> 2024/12/5 15:52 10.03.00.09 Datgel Lab and In Situ Tool - DGD | Lib: WSP 5.07.2 2023-10-30 Prj: WSP 5.04.1 2023-06-14

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PointID : BHT-203 Depth Range: 291.00 - 295.00 m

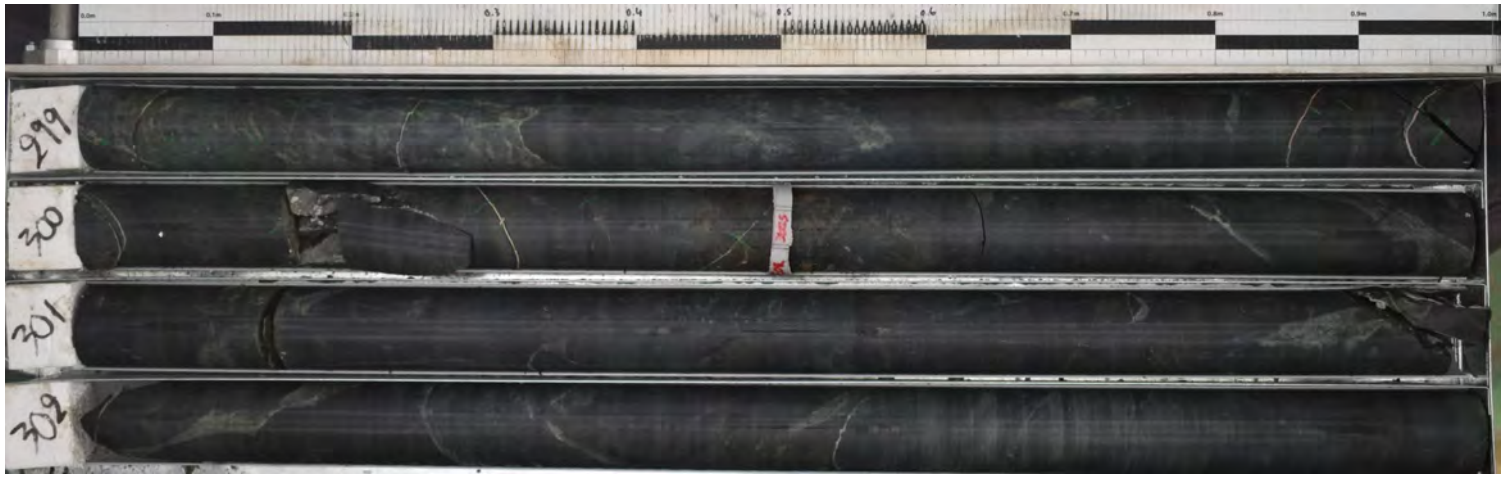


PointID : BHT-203 Depth Range: 295.00 - 299.00 m

wsp	TITLE: Queensland Hydro Netherdale/Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHT-203	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 37/54

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHT-203_RC.GPJ <<DrawingFile>> 2024/12/5 15:52 10.03.00.09 Datgel Lab and In Situ Tool - DGD | Lib: WSP 5.07.2 2023-10-30 Prj: WSP 5.04.1 2023-06-14

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PointID : BHT-203 Depth Range: 299.00 - 303.00 m

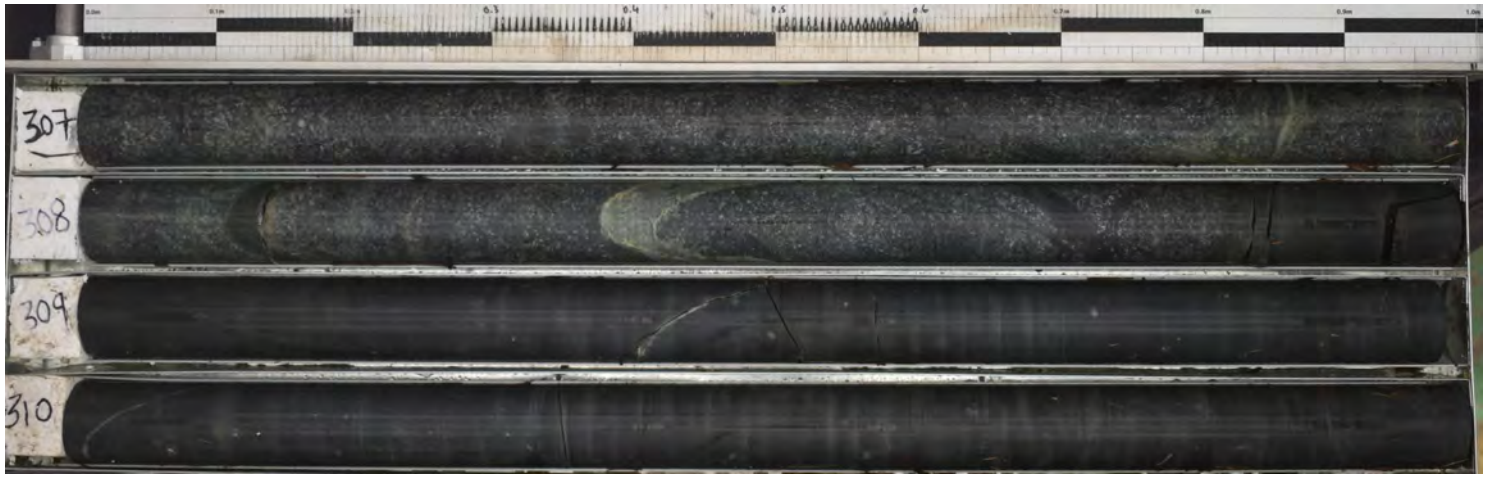


PointID : BHT-203 Depth Range: 303.00 - 307.00 m

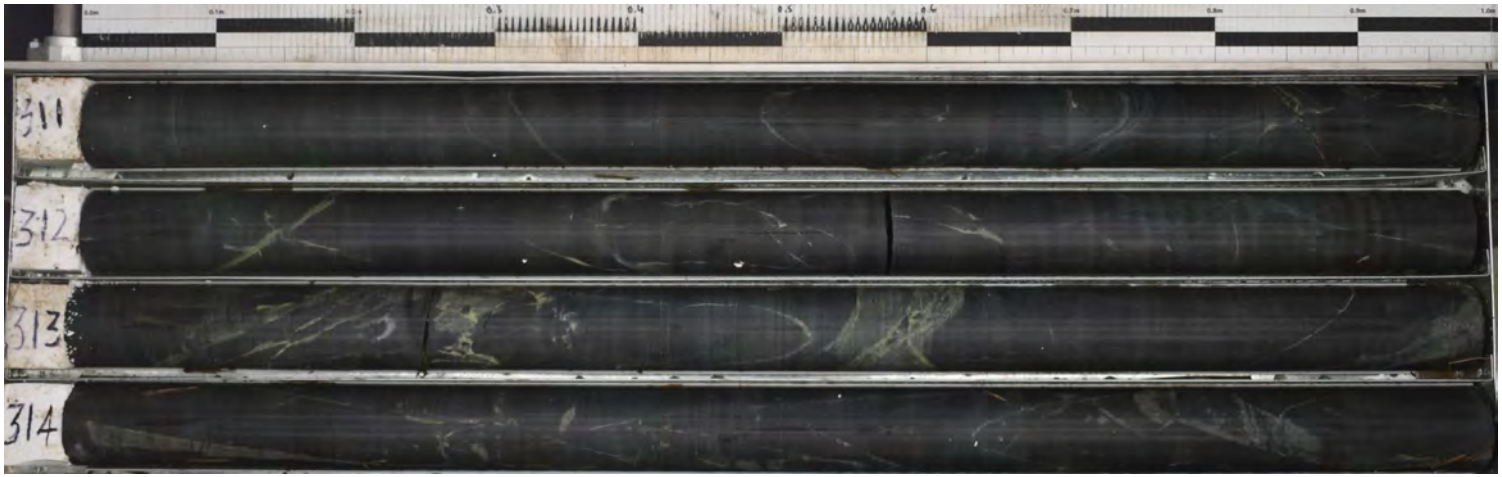
wsp	TITLE: Queensland Hydro Netherdale/Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHT-203	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 38/54

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHT-203_RC.GPJ <<DrawingFile>> 2024/12/5 15:52 10.03.00.09 Datgel Lab and In Situ Tool - DGD | Lib: WSP 5.07.2 2023-10-30 Prj: WSP 5.04.1 2023-06-14

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PointID : BHT-203 Depth Range: 307.00 - 311.00 m

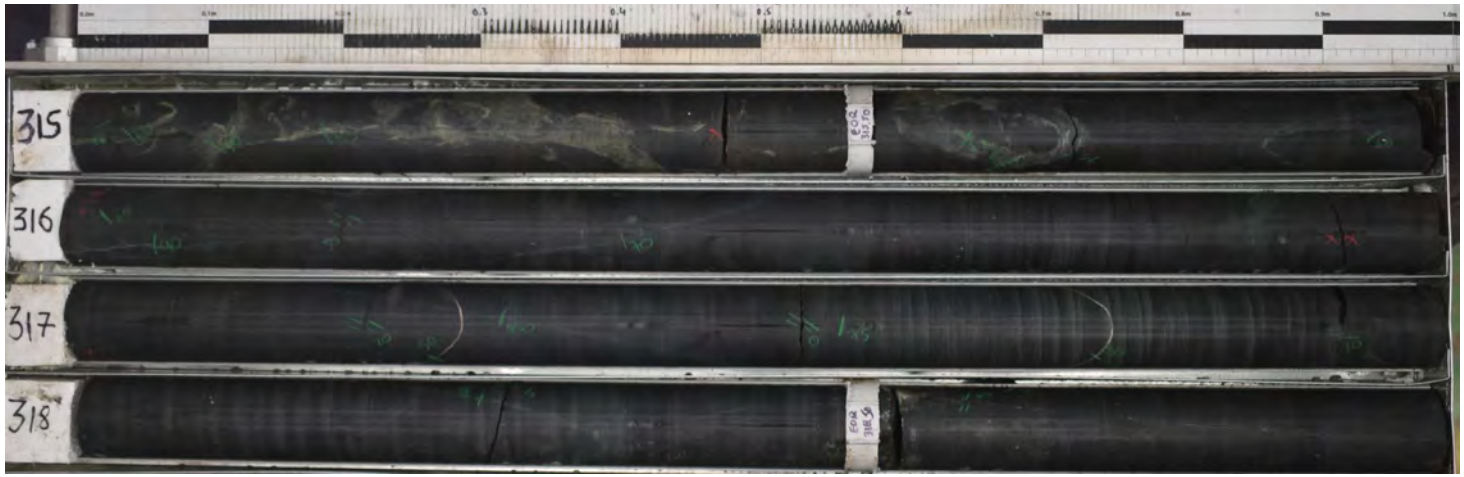


PointID : BHT-203 Depth Range: 311.00 - 315.00 m

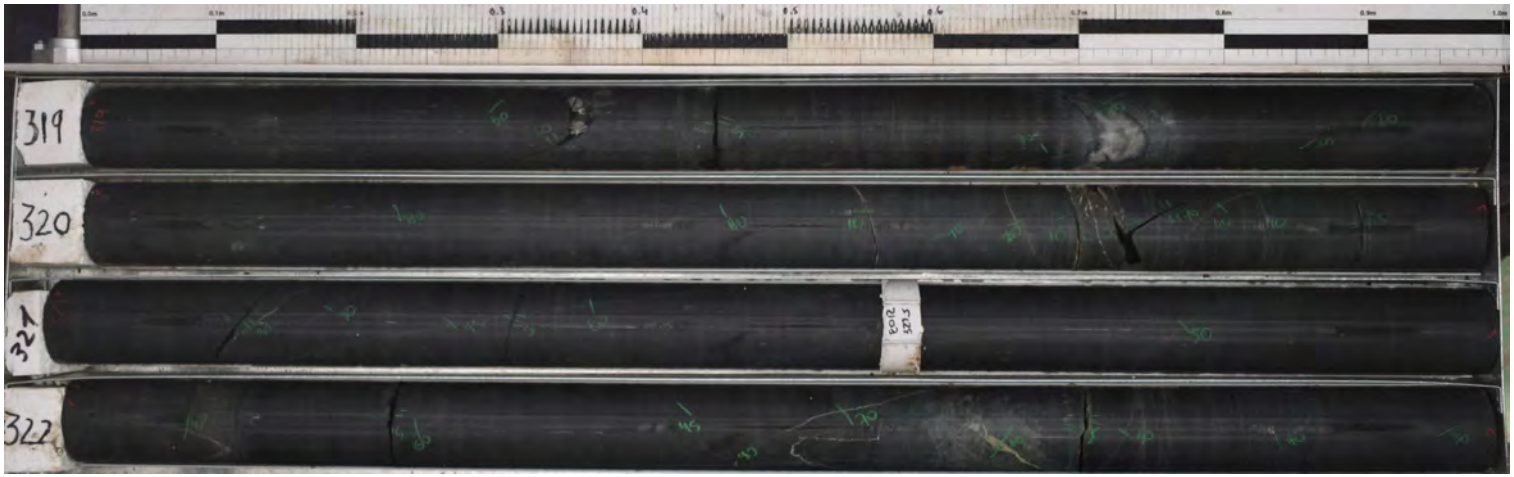
wsp	TITLE: Queensland Hydro Netherdale/Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHT-203	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 39/54

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHT-203_RC.GPJ <<DrawingFile>> 2024/12/5 15:52 10.03.00.09 Datgel Lab and In Situ Tool - DGD | Lib: WSP 5.07.2 2023-10-30 Prj: WSP 5.04.1 2023-06-14

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PointID : BHT-203 Depth Range: 315.00 - 319.00 m

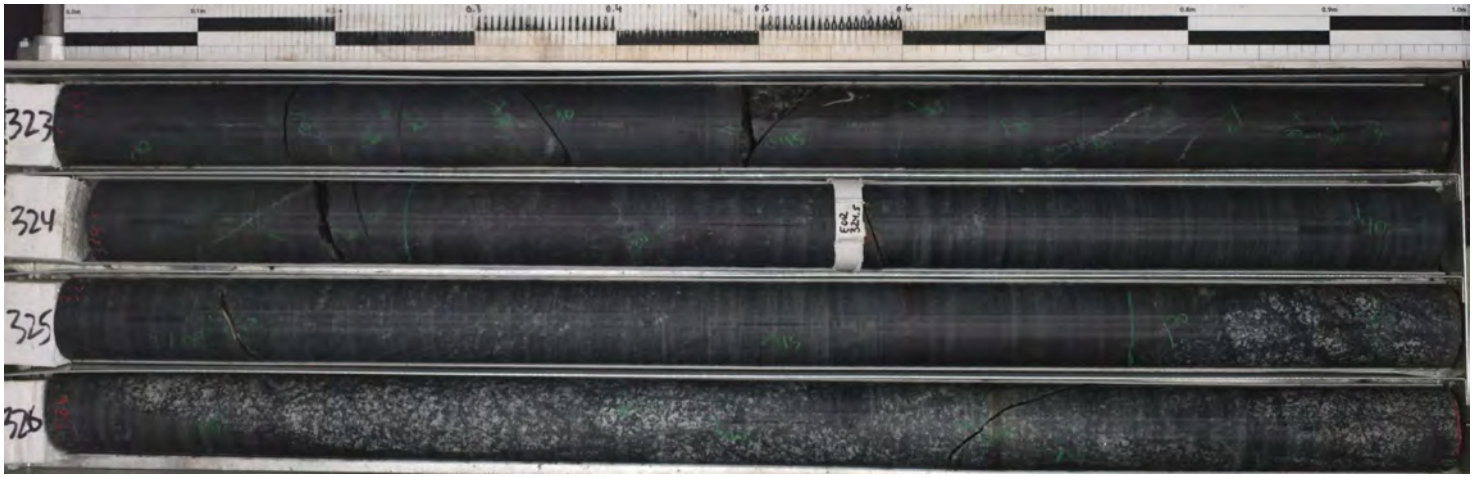


PointID : BHT-203 Depth Range: 319.00 - 323.00 m

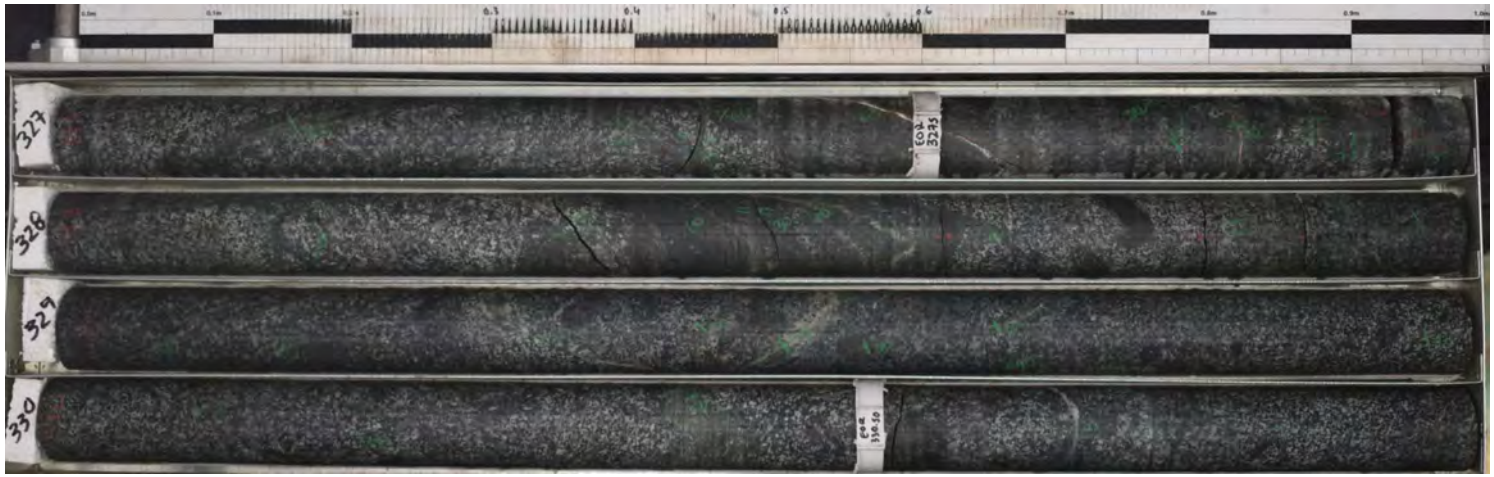
wsp	TITLE: Queensland Hydro Netherdale/Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHT-203	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 40/54

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHT-203_RC.GPJ <<DrawingFile>> 2024/12/5 15:52 10.03.00.09 Datgel Lab and In Situ Tool - DGD | Lib: WSP 5.07.2 2023-10-30 Prj: WSP 5.04.1 2023-06-14

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PointID : BHT-203 Depth Range: 323.00 - 327.00 m

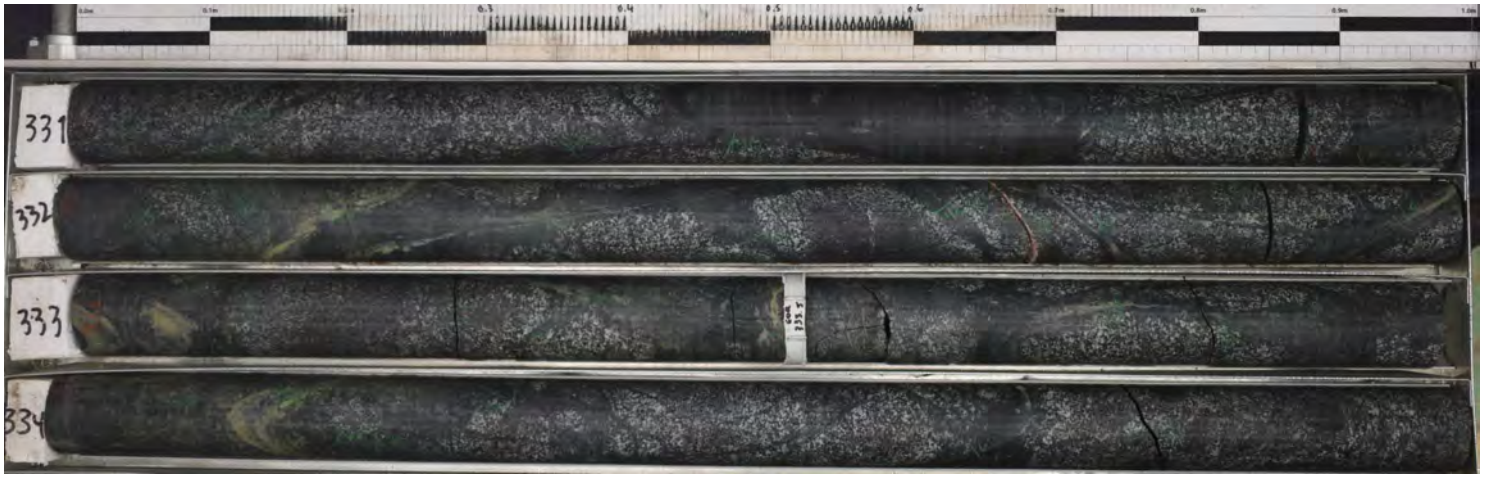


PointID : BHT-203 Depth Range: 327.00 - 331.00 m

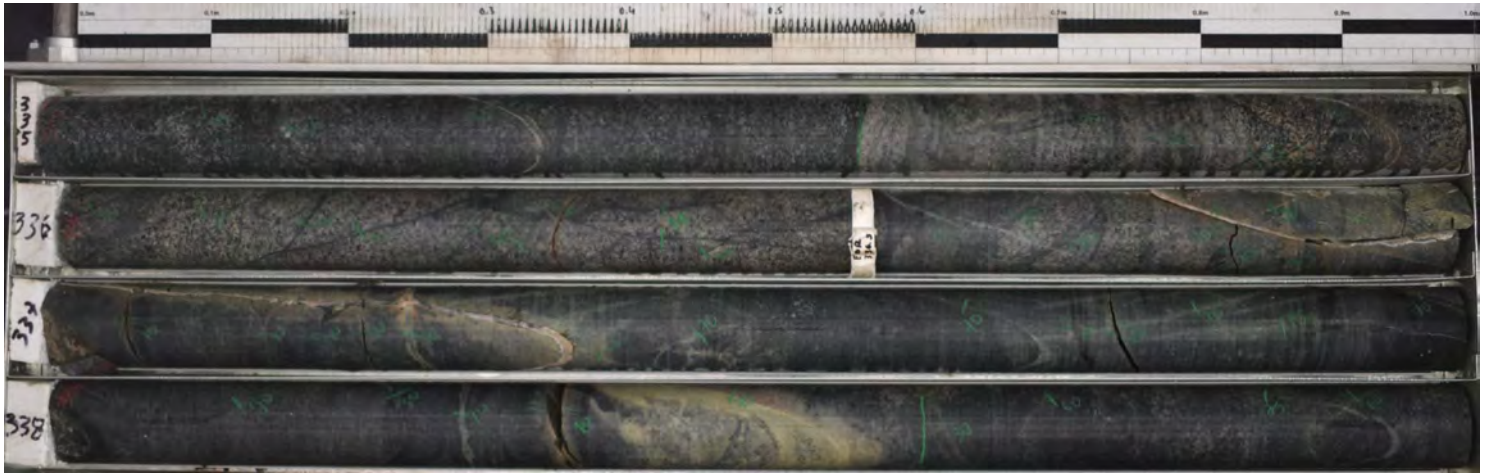
wsp	TITLE: Queensland Hydro Netherdale/Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHT-203	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 41/54

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHT-203_RC.GPJ <<DrawingFile>> 2024/12/5 15:52 10.03.00.09 Datgel Lab and In Situ Tool - DGD | Lib: WSP 5.07.2 2023-10-30 Prj: WSP 5.04.1 2023-06-14

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PointID : BHT-203 Depth Range: 331.00 - 335.00 m

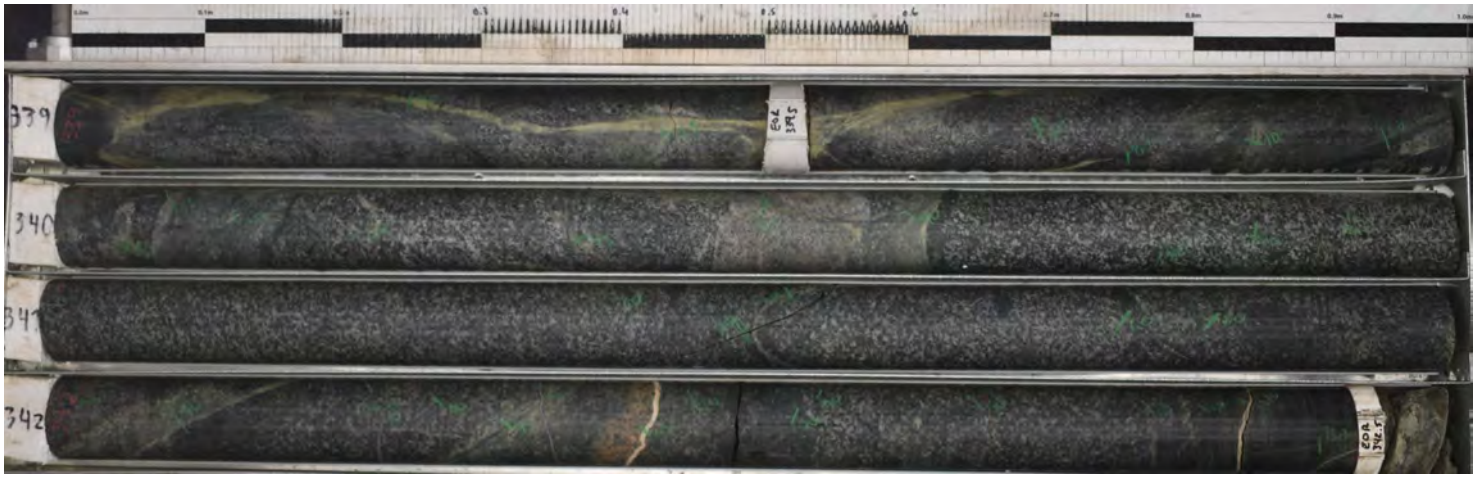


PointID : BHT-203 Depth Range: 335.00 - 339.00 m

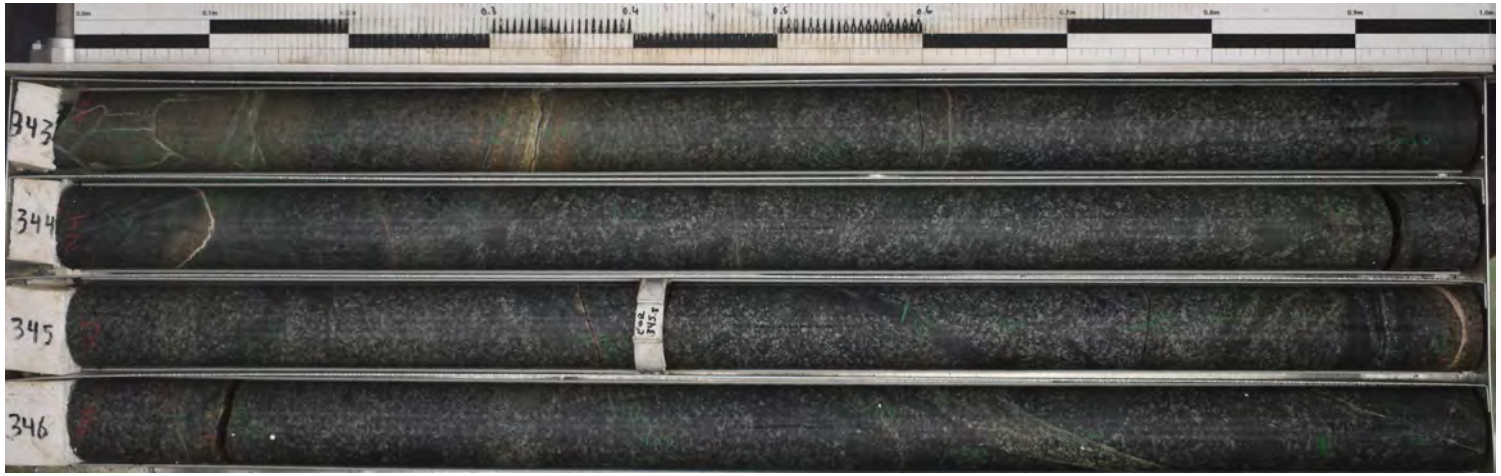
wsp	TITLE: Queensland Hydro Netherdale/Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHT-203	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 42/54

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHT-203_RC.GPJ <<DrawingFile>> 2024/12/5 15:52 10.03.00.09 Datgel Lab and In Situ Tool - DGD | Lib: WSP 5.07.2 2023-10-30 Prj: WSP 5.04.1 2023-06-14

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PointID : BHT-203 Depth Range: 339.00 - 343.00 m

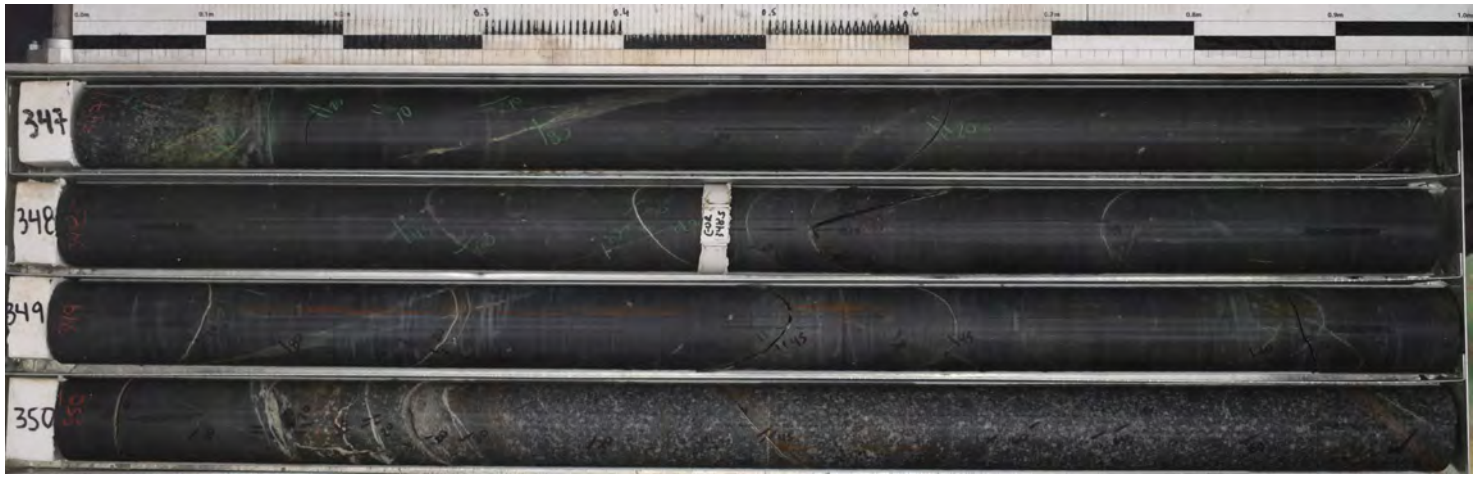


PointID : BHT-203 Depth Range: 343.00 - 347.00 m

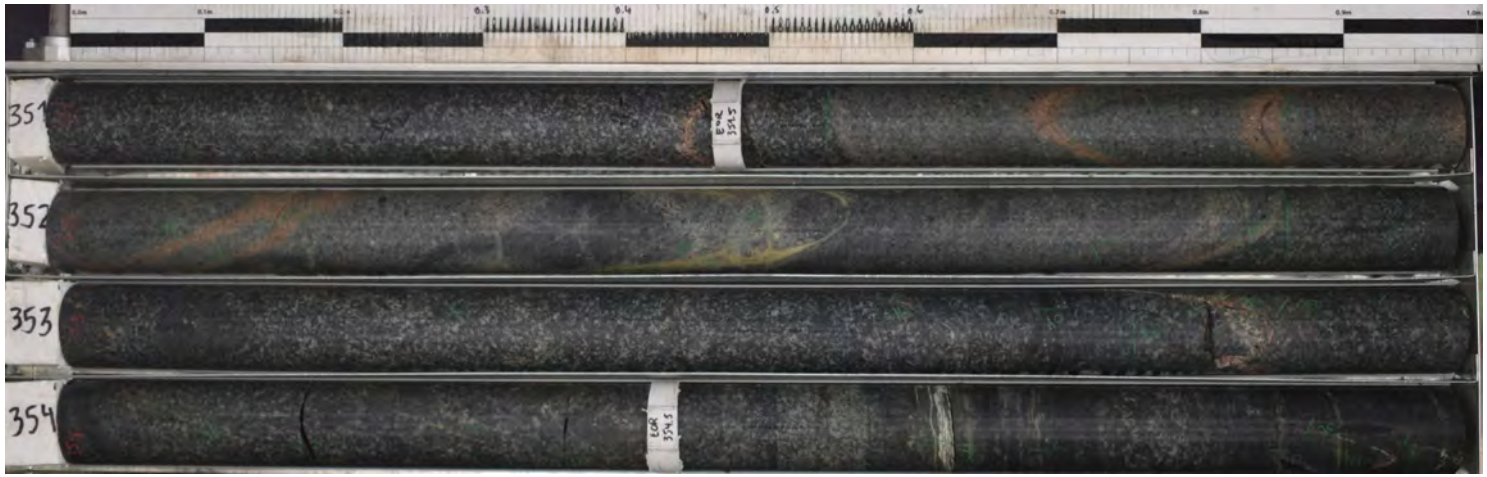
wsp	TITLE: Queensland Hydro Netherdale/Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHT-203	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 43/54

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHT-203_RC.GPJ <<DrawingFile>> 2024/12/5 15:52 10.03.00.09 Datgel Lab and In Situ Tool - DGD | Lib: WSP 5.07.2 2023-10-30 Prj: WSP 5.04.1 2023-06-14

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PointID : BHT-203 Depth Range: 347.00 - 351.00 m

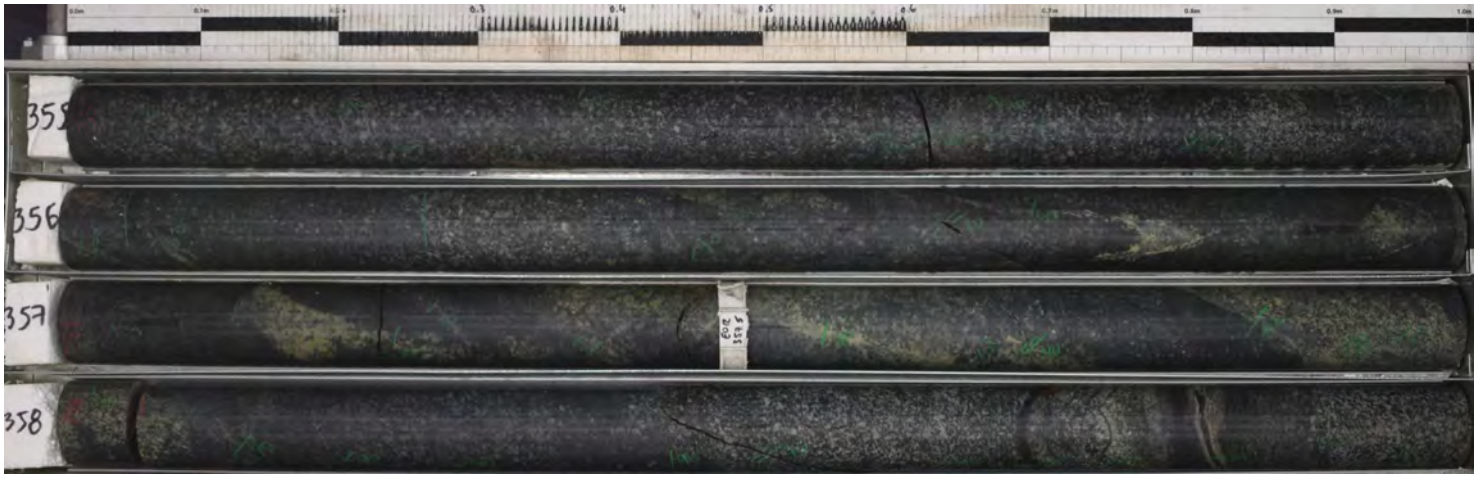


PointID : BHT-203 Depth Range: 351.00 - 355.00 m

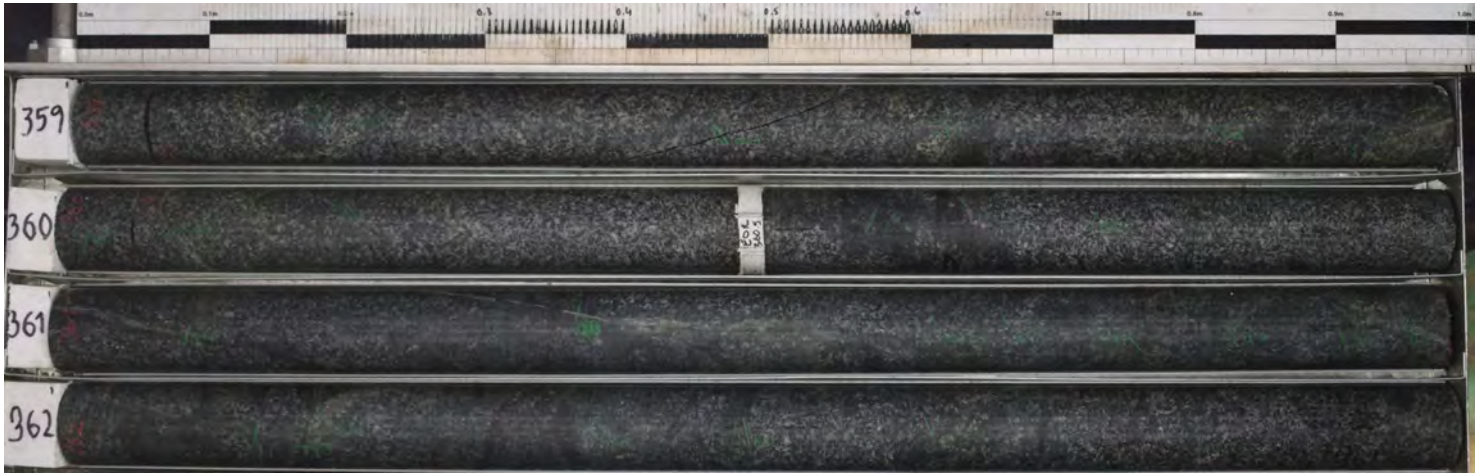
wsp	TITLE: Queensland Hydro Netherdale/Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHT-203	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 44/54

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHT-203_RC.GPJ <<DrawingFile>> 2024/12/5 15:52 10.03.00.09 Datgel Lab and In Situ Tool - DGD | Lib: WSP 5.07.2 2023-10-30 Prj: WSP 5.04.1 2023-06-14

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PointID : BHT-203 Depth Range: 355.00 - 359.00 m

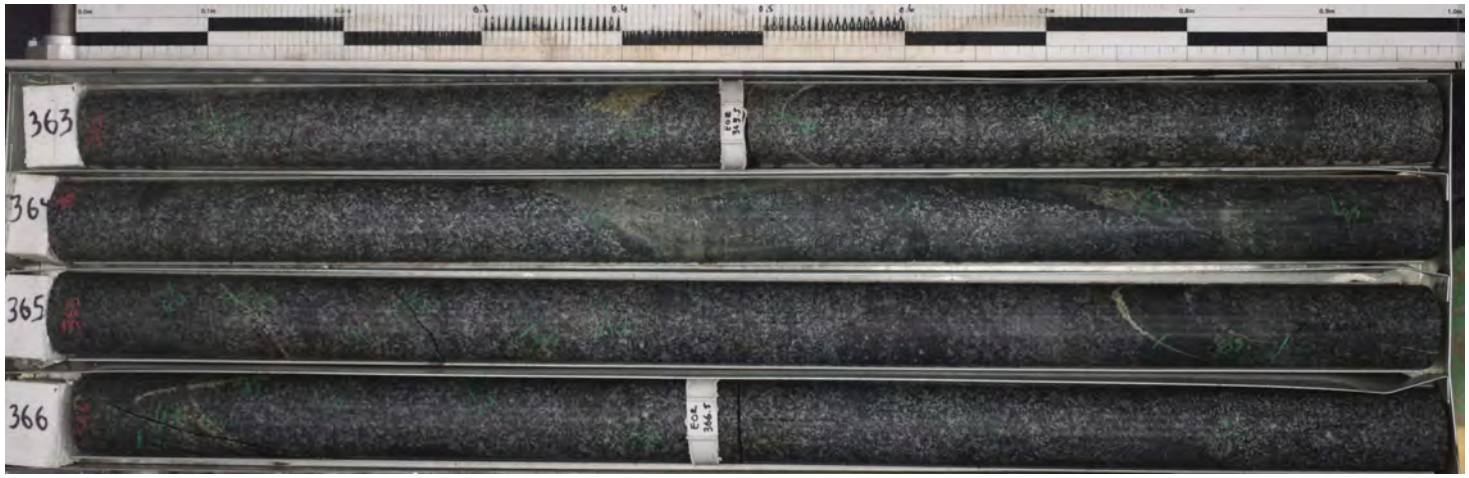


PointID : BHT-203 Depth Range: 359.00 - 363.00 m

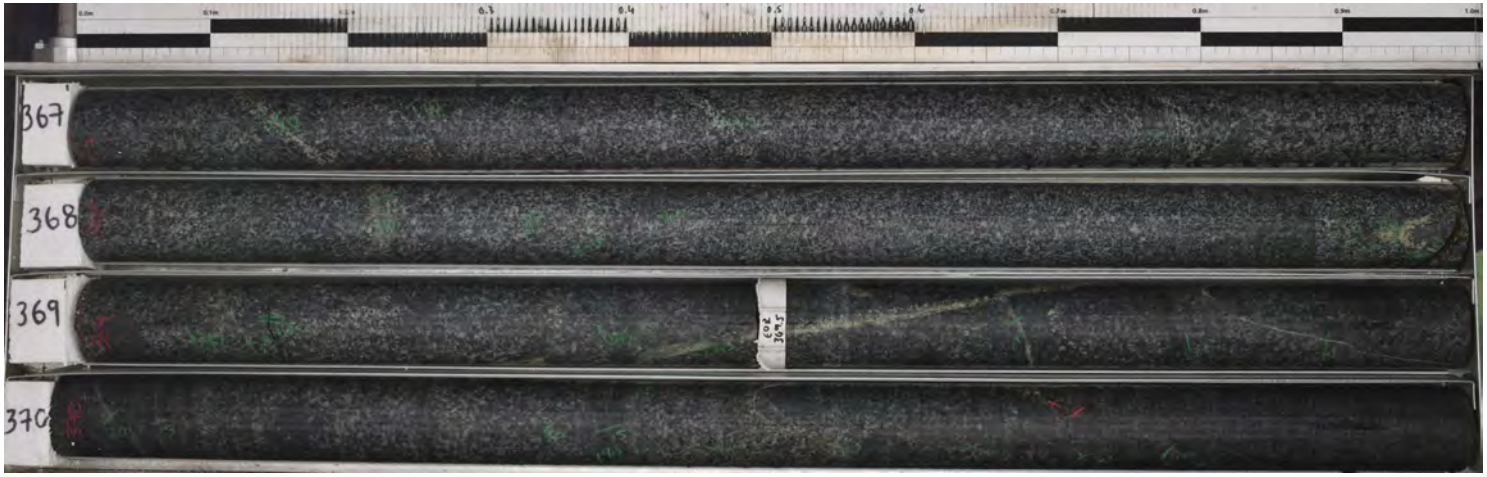
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		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 45/54

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHT-203_RC.GPJ <<DrawingFile>> 2024/12/5 15:53 10.03.00.09 Datgel Lab and In Situ Tool - DGD | Lib: WSP 5.07.2 2023-10-30 Prj: WSP 5.04.1 2023-06-14

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PointID : BHT-203 Depth Range: 363.00 - 367.00 m

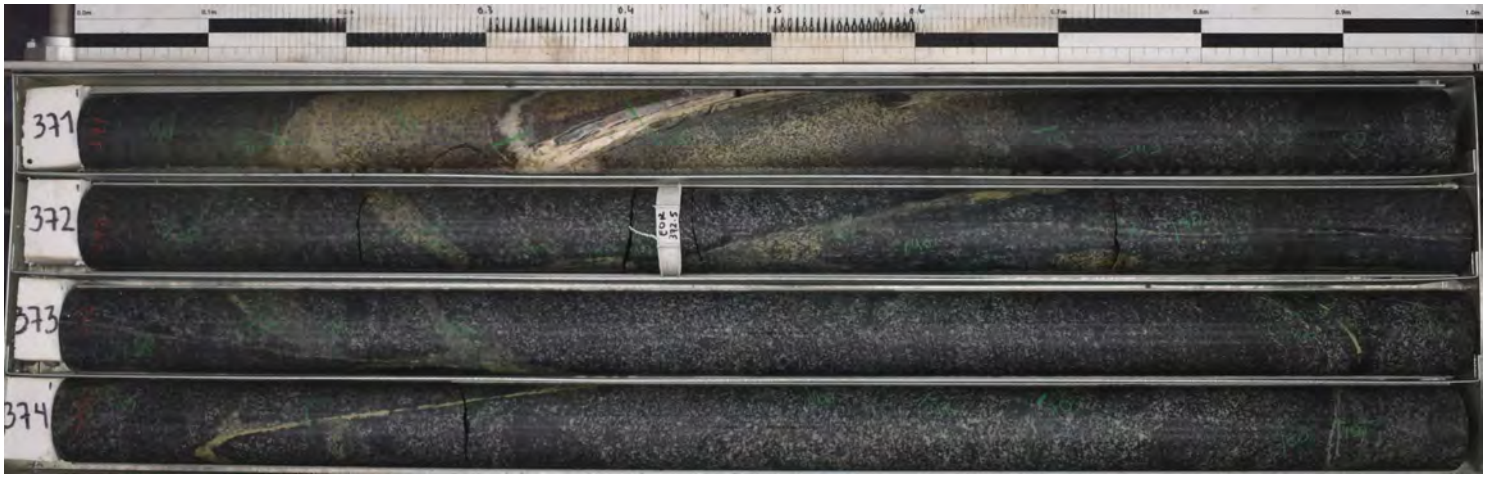


PointID : BHT-203 Depth Range: 367.00 - 371.00 m

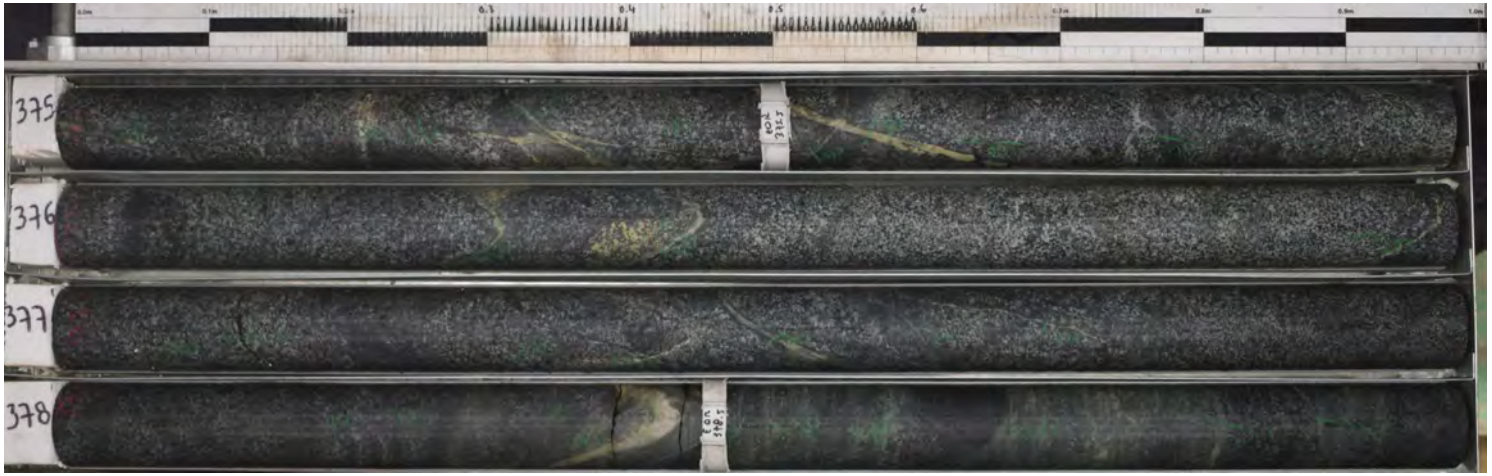
wsp	TITLE: Queensland Hydro Netherdale/Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHT-203	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 46/54

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHT-203_RC.GPJ <<DrawingFile>> 2024/12/5 15:53 10.03.00.09 Datgel Lab and In Situ Tool - DGD | Lib: WSP 5.07.2 2023-10-30 Prj: WSP 5.04.1 2023-06-14

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PointID : BHT-203 Depth Range: 371.00 - 375.00 m

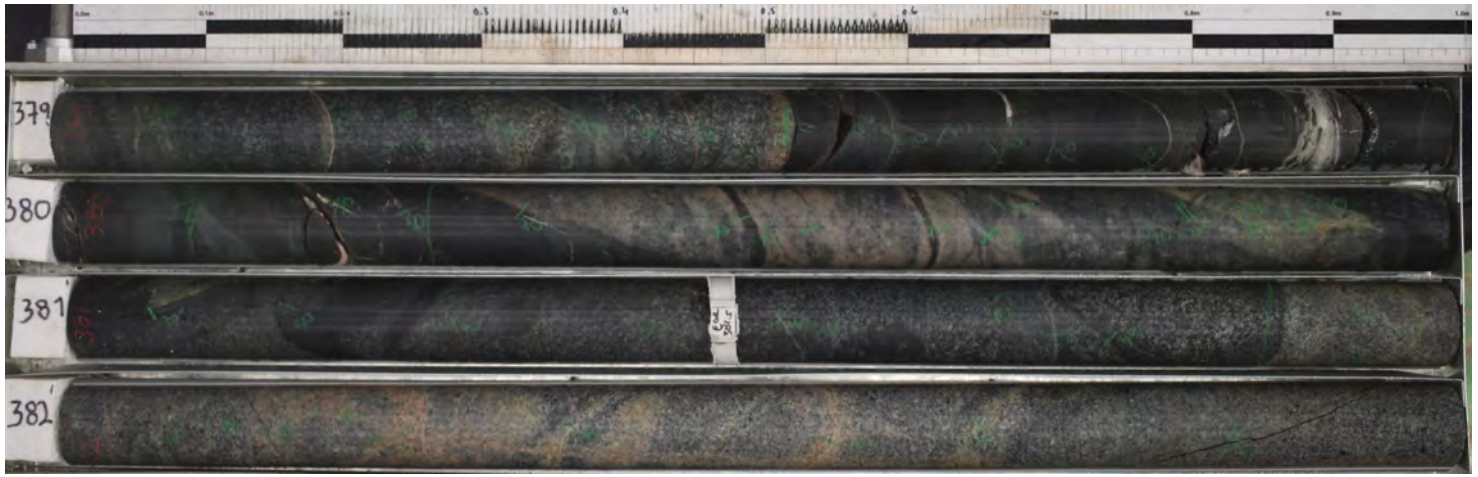


PointID : BHT-203 Depth Range: 375.00 - 379.00 m

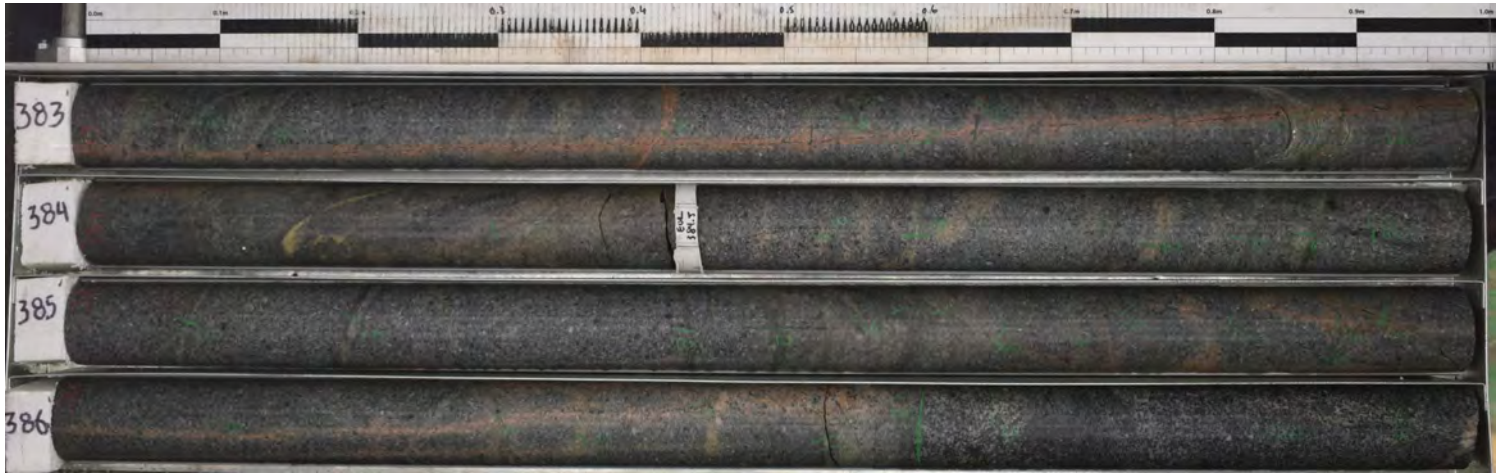
wsp	TITLE: Queensland Hydro Netherdale/Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHT-203	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 47/54

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHT-203_RC.GPJ <<DrawingFile>> 2024/12/5 15:53 10.03.00.09 Datgel Lab and In Situ Tool - DGD | Lib: WSP 5.07.2 2023-10-30 Prj: WSP 5.04.1 2023-06-14

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PointID : BHT-203 Depth Range: 379.00 - 383.00 m

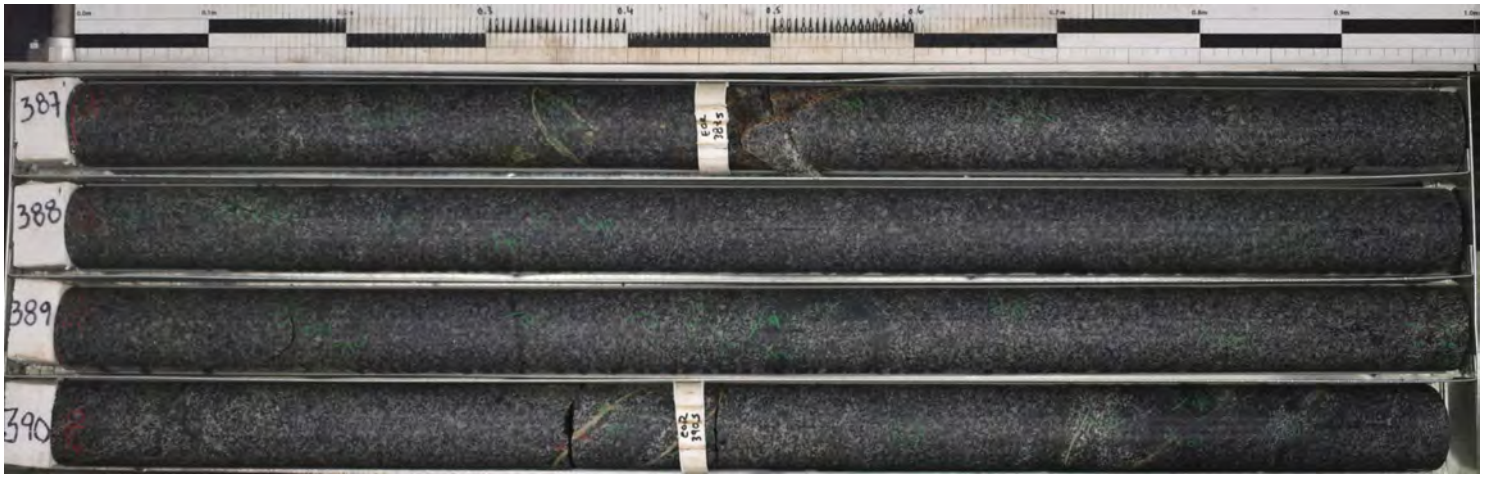


PointID : BHT-203 Depth Range: 383.00 - 387.00 m

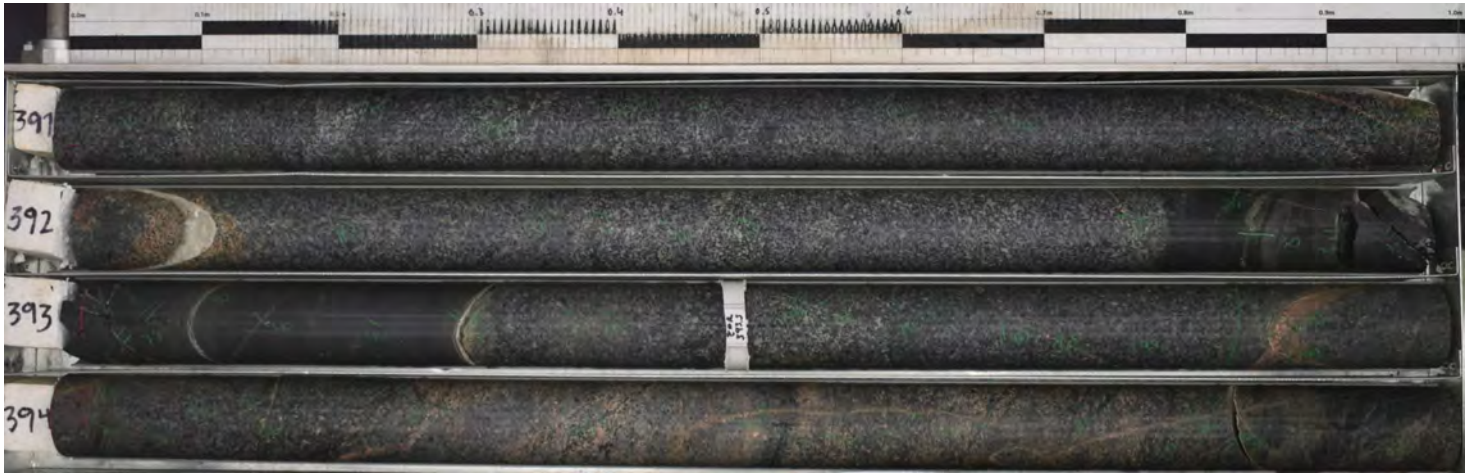
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		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 48/54

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHT-203_RC.GPJ <<DrawingFile>> 2024/12/5 15:53 10.03.00.09 Datgel Lab and In Situ Tool - DGD | Lib: WSP 5.07.2 2023-10-30 Prj: WSP 5.04.1 2023-06-14

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PointID : BHT-203 Depth Range: 387.00 - 391.00 m



PointID : BHT-203 Depth Range: 391.00 - 395.00 m

wsp

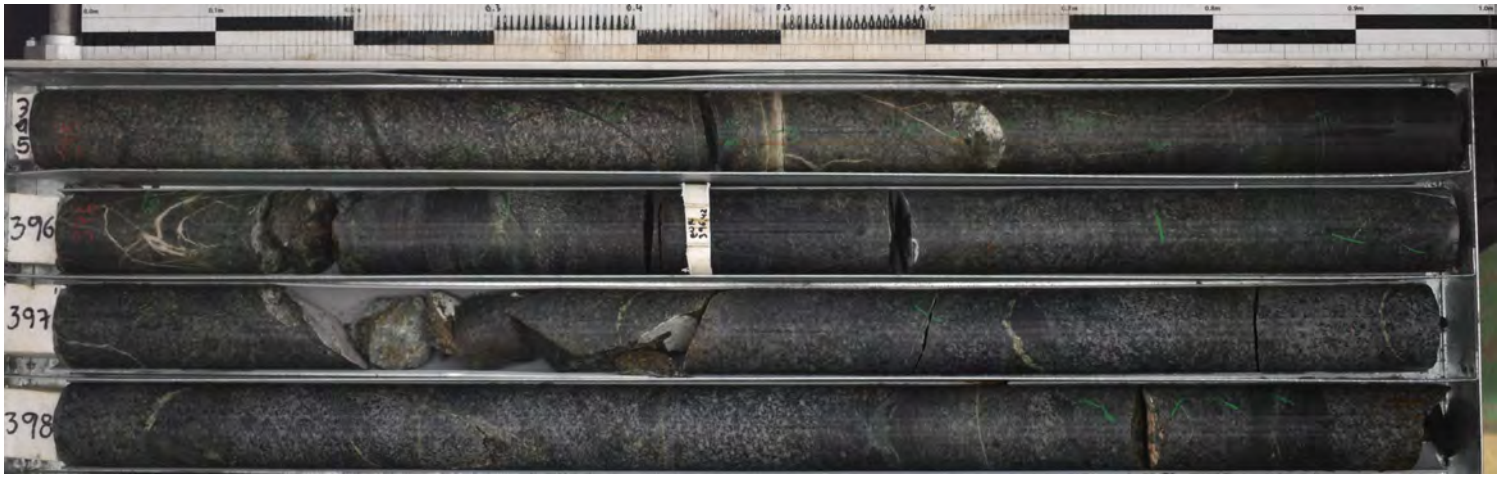
TITLE

Queensland Hydro
Netherdale/Dalrymple Heights
Pioneer-Burdekin PHES
Core photo - BHT-203

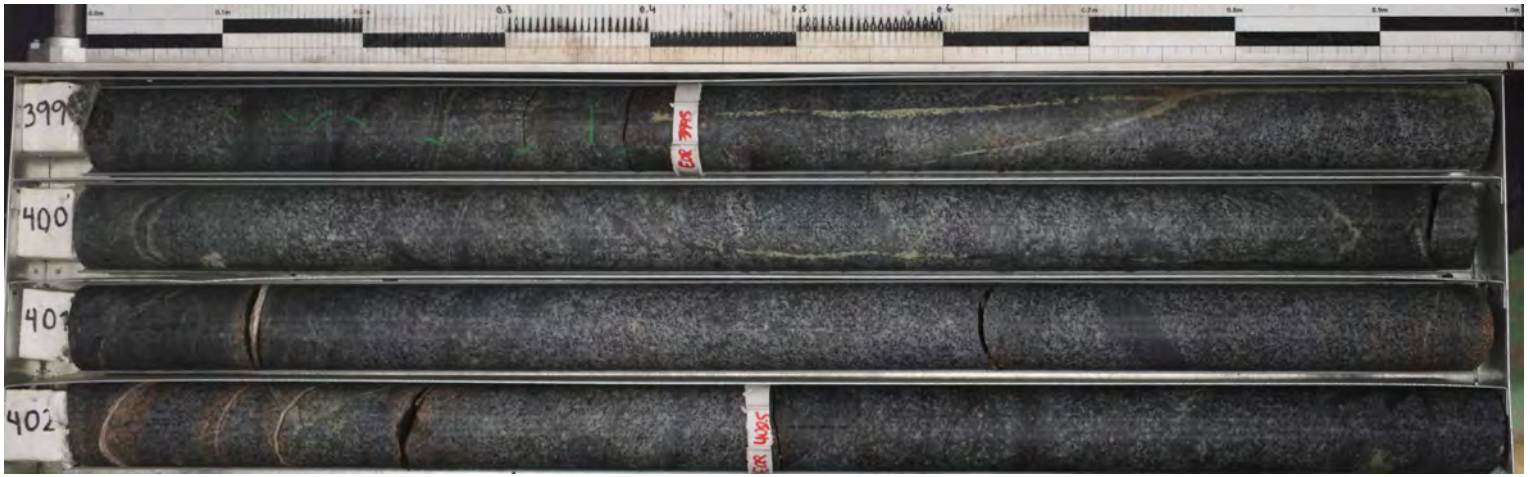
DRAWN	RC	DATE	2/12/2024
CHECKED	GEM	DATE	4/12/2024
SCALE	Not To Scale		A4
PROJECT No	PS138693	FIGURE No	49/54

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHT-203_RC.GPJ <<DrawingFile>> 2024/12/5 15:53 10.03.00.09 Datgel Lab and In Situ Tool - DGD | Lib: WSP 5.07.2 2023-10-30 Prj: WSP 5.04.1 2023-06-14

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PointID : BHT-203 Depth Range: 395.00 - 399.00 m

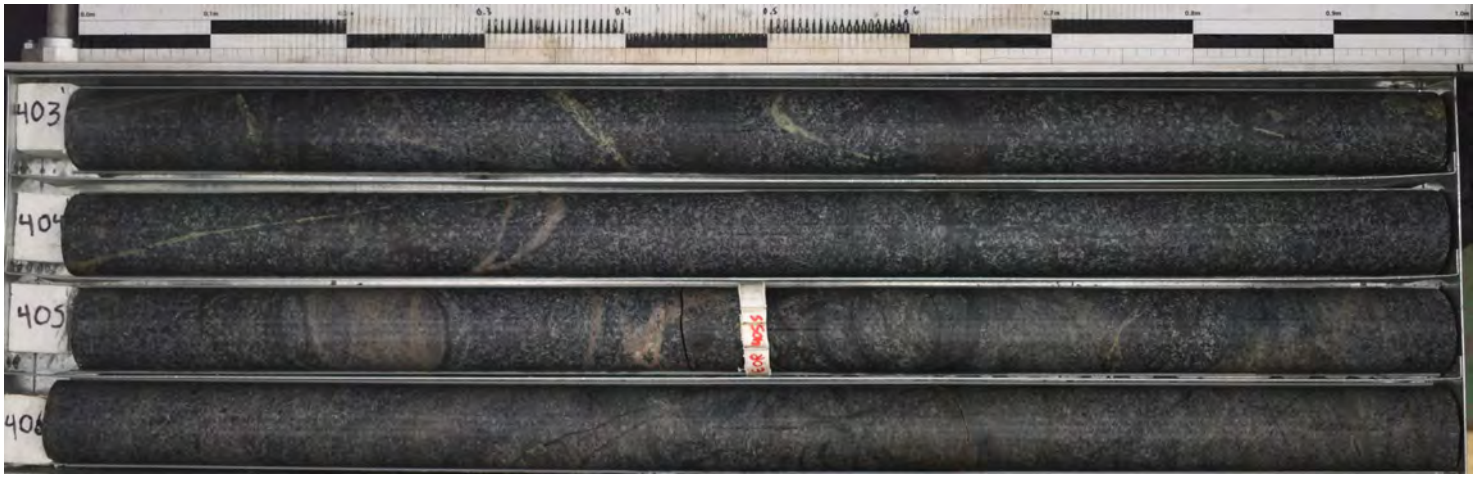


PointID : BHT-203 Depth Range: 399.00 - 403.00 m

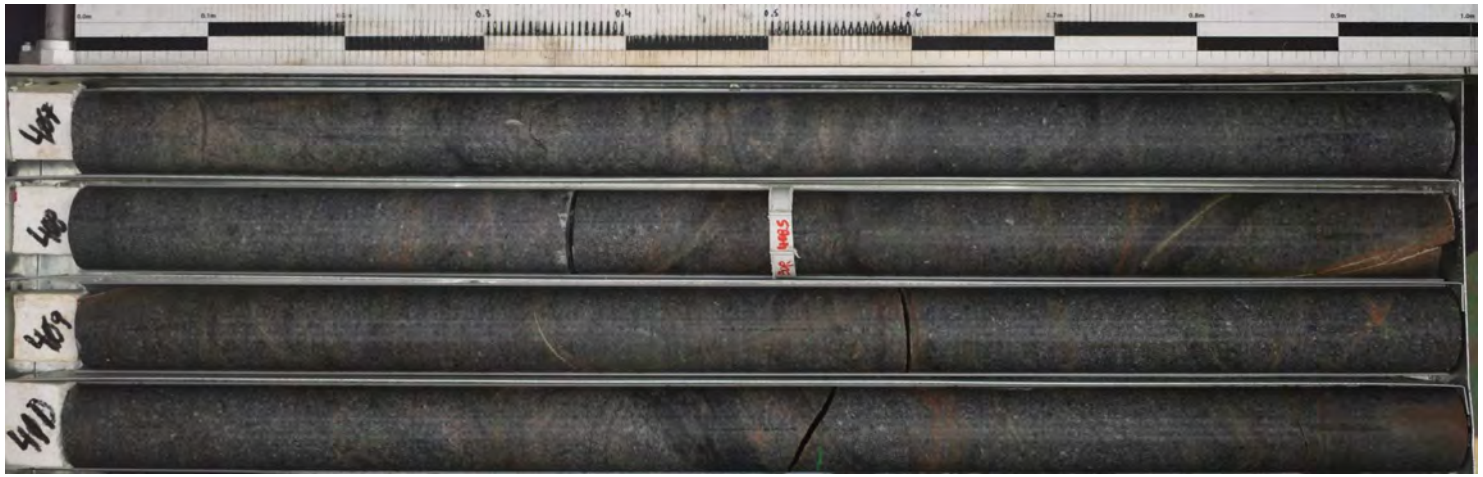
wsp	TITLE: Queensland Hydro Netherdale/Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHT-203	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 50/54

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHT-203_RC.GPJ <<DrawingFile>> 2024/12/5 15:53 10.03.00.09 Datgel Lab and In Situ Tool - DGD | Lib: WSP 5.07.2 2023-10-30 Prj: WSP 5.04.1 2023-06-14

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PointID : BHT-203 Depth Range: 403.00 - 407.00 m

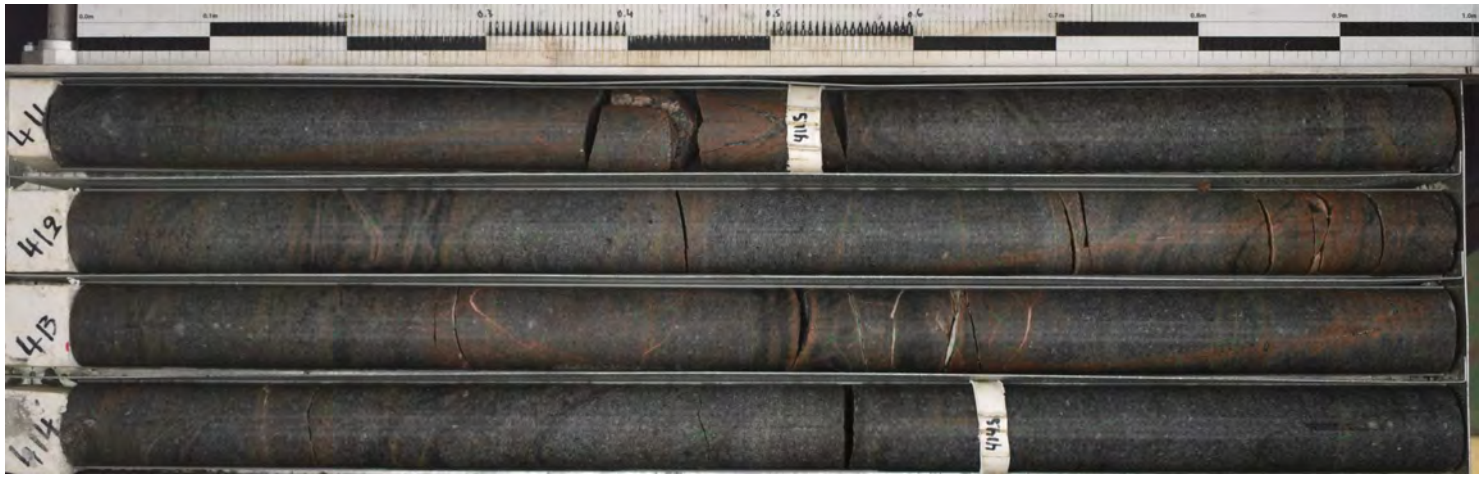


PointID : BHT-203 Depth Range: 407.00 - 411.00 m

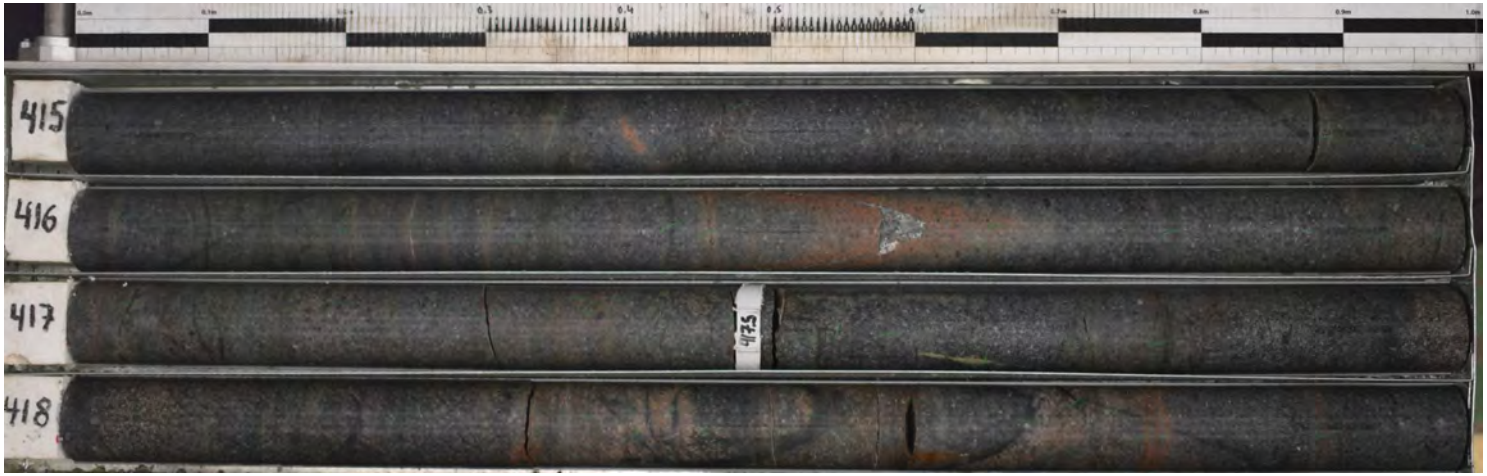
wsp	TITLE: Queensland Hydro Netherdale/Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHT-203	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 51/54

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHT-203_RC.GPJ <<DrawingFile>> 2024/12/5 15:53 10.03.00.09 Datgel Lab and In Situ Tool - DGD | Lib: WSP 5.07.2 2023-10-30 Prj: WSP 5.04.1 2023-06-14

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PointID : BHT-203 Depth Range: 411.00 - 415.00 m

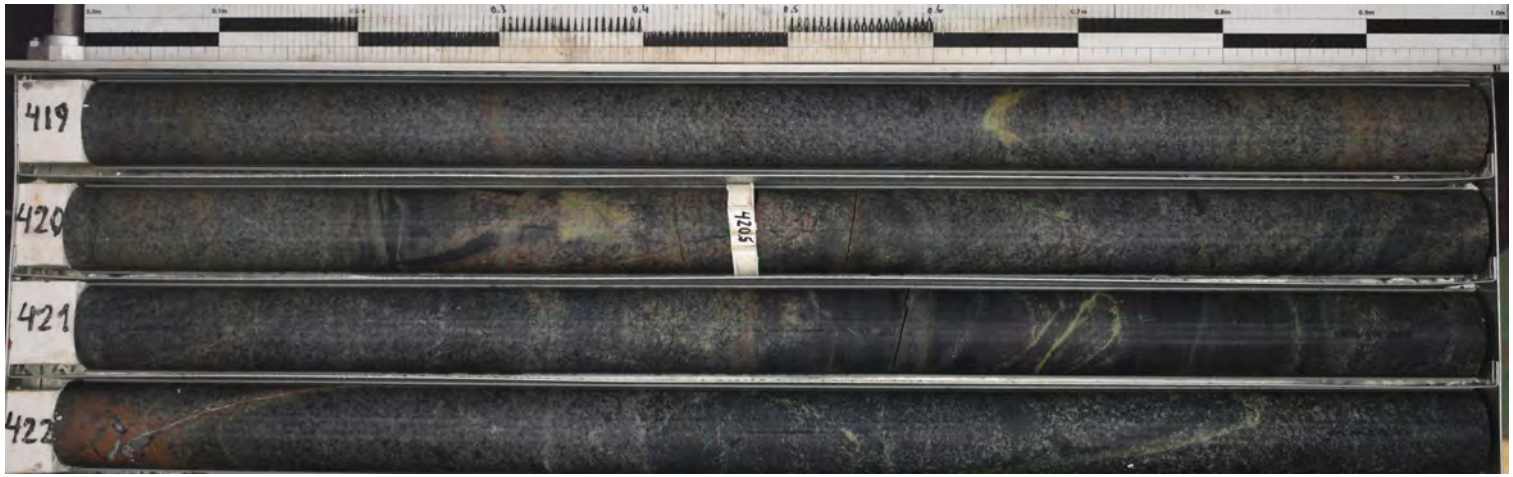


PointID : BHT-203 Depth Range: 415.00 - 419.00 m

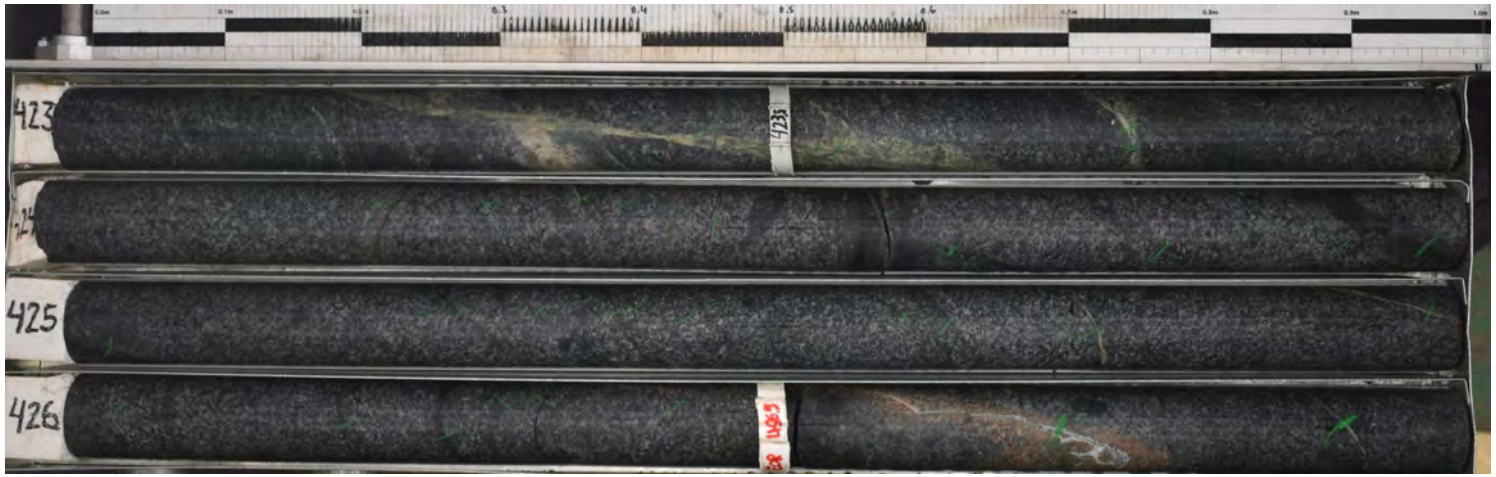
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		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 52/54

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHT-203_RC.GPJ <<DrawingFile>> 2024/12/5 15:53 10.03.00.09 Datgel Lab and In Situ Tool - DGD | Lib: WSP 5.07.2 2023-10-30 Prj: WSP 5.04.1 2023-06-14

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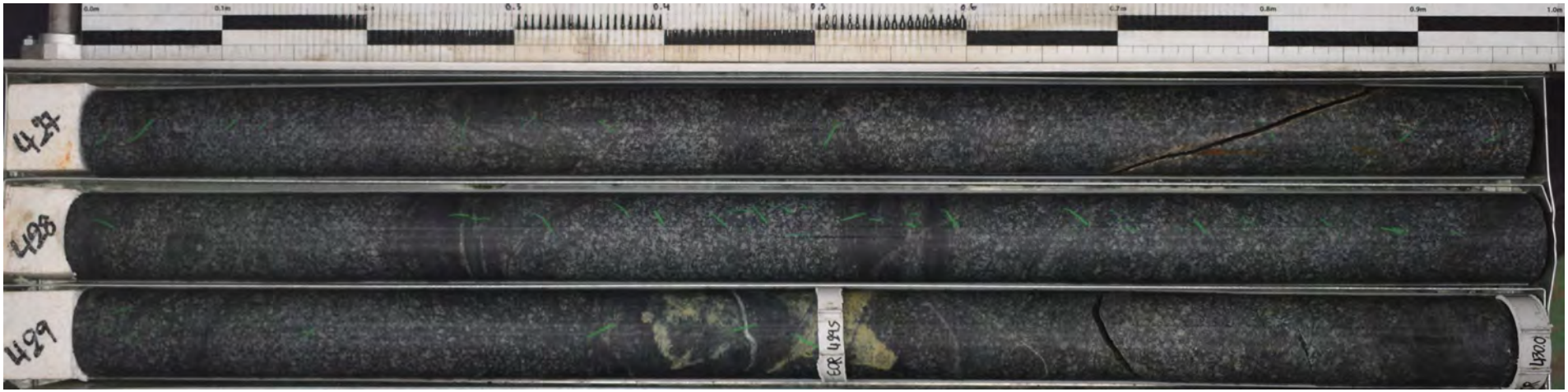
PointID : BHT-203 Depth Range: 419.00 - 423.00 m



PointID : BHT-203 Depth Range: 423.00 - 427.00 m

wsp	TITLE: Queensland Hydro Netherdale/Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHT-203	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 53/54

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PointID : BHT-203 Depth Range: 427.00 - 430.00 m

wsp	TITLE: Queensland Hydro Netherdale/Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHT-203	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 54/54

BHT-203 Structural Logs

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WSP Australia Pty Limited
Level 12, 900 Ann Street
Fortitude Valley
QLD 4006
Australia

GEOPHYSICAL RECORD OF BOREHOLE: BHT-203

PROJECT: Pioneer-Burdekin PHES JOB # PS138693

CLIENT: Queensland Hydro DATE: 25/11/2023

BOREHOLE DETAILS

LOCATION:	Upper Reservoir A	BH DEPTH:	430 m
EASTING:	656540.18 m	BH DIAMETER:	HQ (96 mm)
NORTHING:	7664631.16 m	BH AZIMUTH:	237° TN
ELEVATION:	865.804 m	BH PLUNGE:	-62°
COORD SYSTEM:	MGA2020	CASING DEPTH:	27.99 m
LOGGING DATUM:	Ground Level	CASING TYPE:	HWT

DOCUMENT DETAILS

LOGGED BY:	JH / GH
LOGGED DATE:	23/8-16/9/2024
DRAWN BY:	JH
REVIEWED BY:	GH
FILE:	BHT-203_Structure_RevB
LOGGED DEPTH:	429.28 m

NOTES

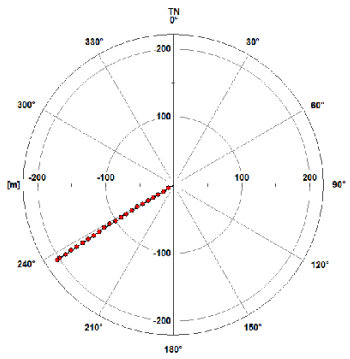
Image logs are oriented relative to borehole high side. Final structure log is oriented relative to true north using magnetic declination of 8.2° East.

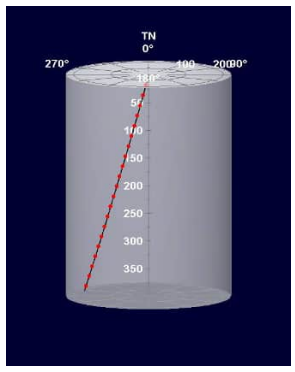
Mechanical calliper log used for structure dip corrections.

All logs zerored to ground level. Cased section assumed straight for deviation calculations.

This hole was logged in two sections due to BH collapse in a fault zone between 216 m and 230 m. Top of fault imaged at 216.2 m.

BOREHOLE DEVIATION

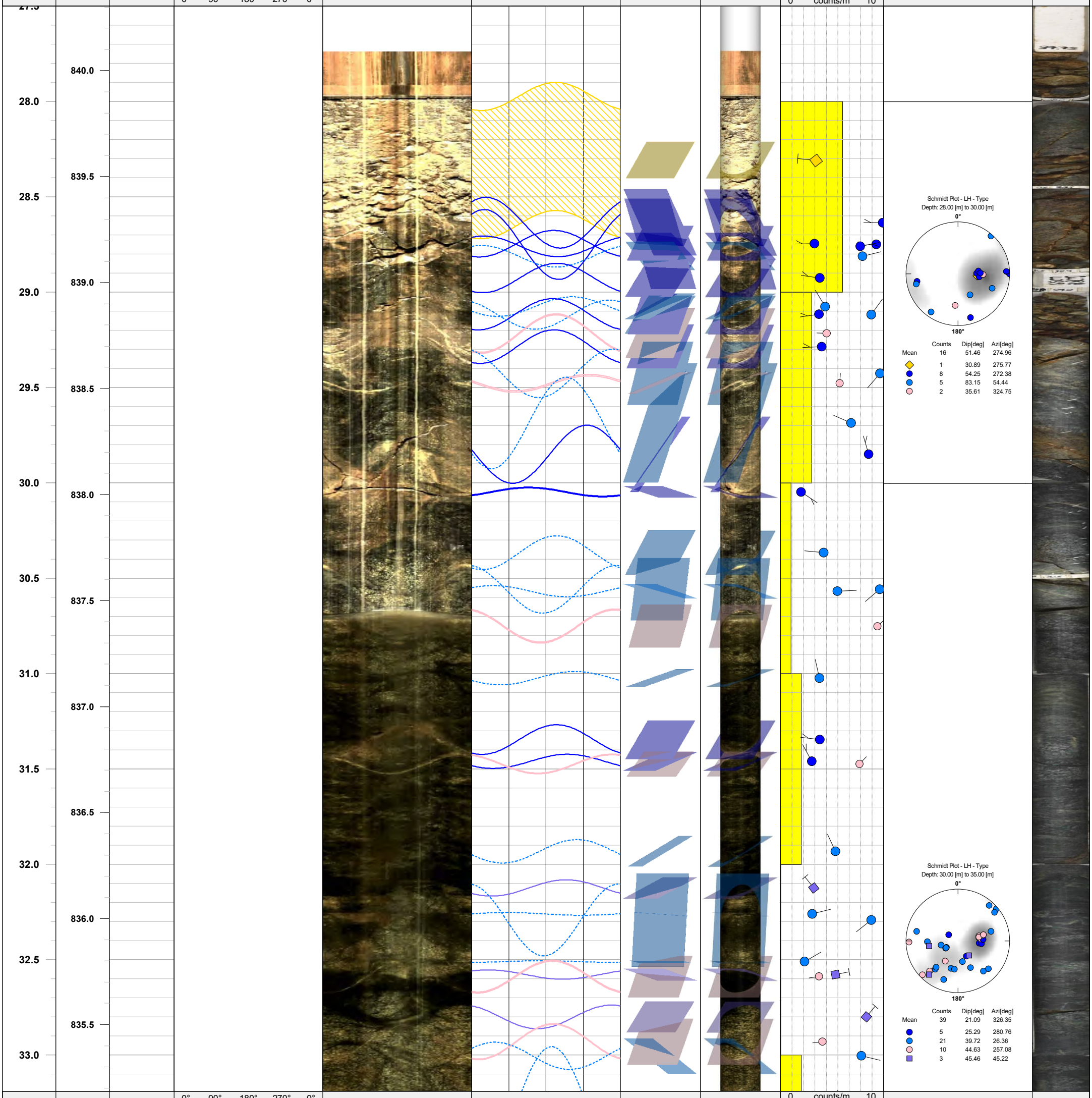




INTERPRETED STRUCTURES

Contact · Crushed Seam · Fracture Zone · Joint · Shear Seam · Shear Zone · Vein · Healed Joint

BHT-203



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BHT-203

Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	

33.5 / 835.0
34.0 / 834.5
34.5 / 834.0
35.0 / 833.5
35.5 / 833.0
36.0 / 832.5
36.5 / 832.0
37.0 / 831.5
37.5 / 831.0
38.0 / 830.5
38.5 / 830.0
39.0 / 829.5
39.5 / 829.0
40.0

Schmidt Plot - LH - Type
Depth: 35.00 [m] to 40.00 [m]

0°
180°

	Counts	Dip[deg]	Azi[deg]
Mean	31	62.82	42.74
	10	85.04	242.49
	18	40.57	18.65
	2	60.98	35.62
	1	69.99	342.16

Depth		Image Logs			Structural Data					Core
1m:20m	AHD	0 9000	0 6000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo

BHT-203

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BHT-203

Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	

40.5 / 828.5
41.0 / 828.0
41.5 / 827.5
42.0 / 827.0
42.5 / 826.5
43.0 / 826.0
43.5 / 825.5
44.0 / 825.0
44.5 / 824.5
45.0 / 824.0
45.5 / 823.5
46.0 / 823.0
46.5 / 822.5
47.0 / 822.0
47.5

Schmidt Plot - LH - Type
Depth: 40.00 [m] to 45.00 [m]
0°
180°

	Counts	Dip[deg]	Azi[deg]
Mean	23	86.32	243.88
	11	82.88	249.10
	7	80.27	54.36
	5	30.10	280.70

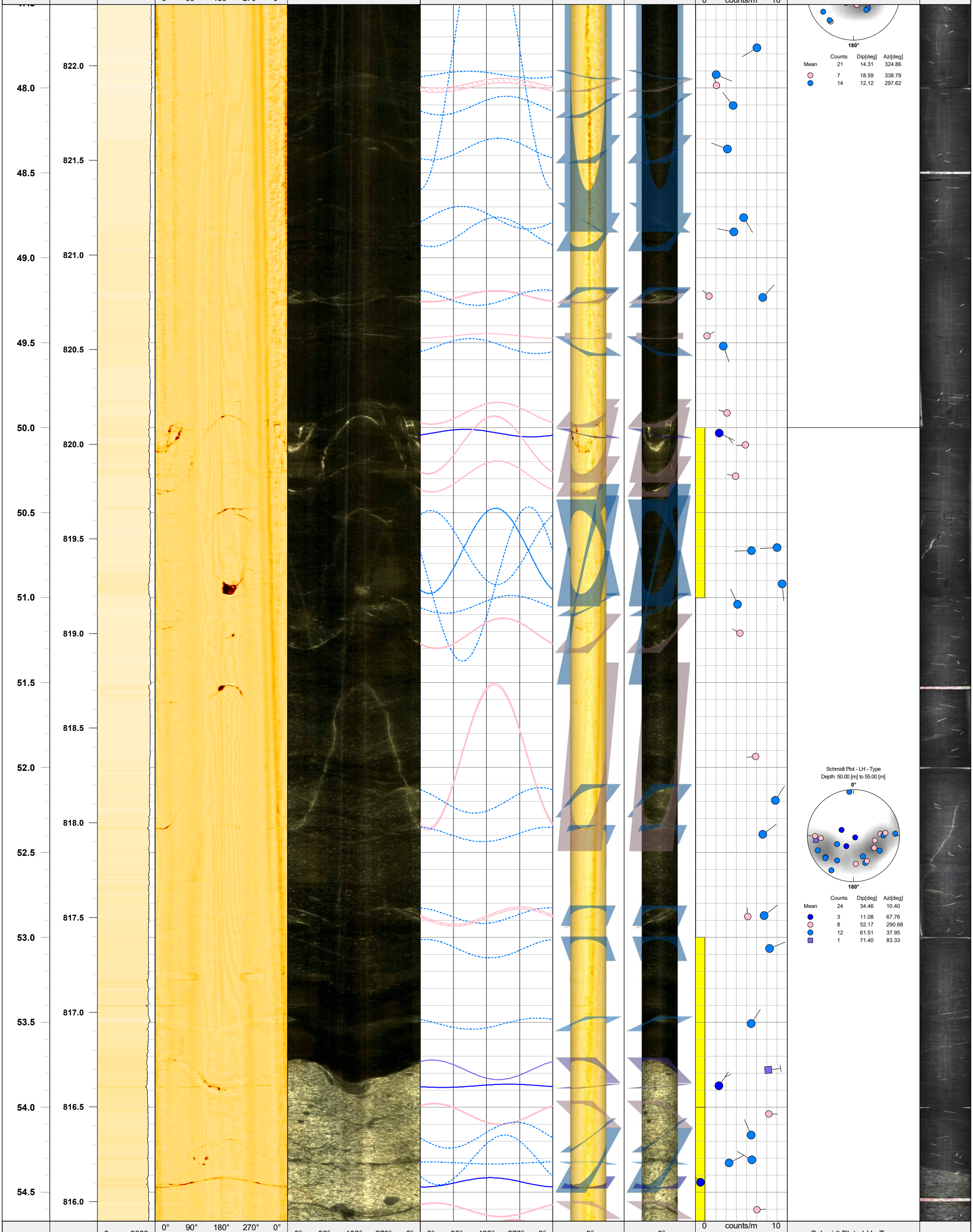
Schmidt Plot - LH - Type
Depth: 45.00 [m] to 50.00 [m]
0°

Depth		Image Logs			Structural Data					Core
1m:20m	AHD	0 9000	0° 90° 180° 270° 0° 0 6000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 10 Freq/metre 0 90	Schmidt Plot - LH - Type	
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
Depth		Image Logs			Structural Data					Core
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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	



Depth		Image Logs			Structural Data					Core
1m:20m	AHD	0 9000	0 6000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	

55.0 / 815.5
55.5 / 815.0
56.0 / 814.5
56.5 / 814.0
57.0 / 813.5
57.5 / 813.0
58.0 / 812.5
58.5 / 812.0
59.0 / 811.5
59.5 / 811.0
60.0 / 810.5
60.5 / 810.0
61.0 / 809.5
61.5

Schmidt Plot - LH - Type
Depth: 55.00 [m] to 60.00 [m]
0°
180°

	Counts	Dip[deg]	Azi[deg]
Mean	26	87.76	75.33
	6	76.95	85.80
	15	88.68	255.09
	4	37.17	344.61
	1	82.58	54.13

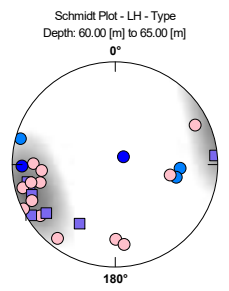
1m:20m AHD 0 9000 0° 90° 180° 270° 0° 0 6000 0° 90° 180° 270° 0° 0° 90° 180° 270° 0° -0° -0° 0 counts/m 10 Freq/metre 0 90 Schmidt Plot - LH - Type
Depth RL m Reflectivity Amplitude-HS HPF Image-HS PROC Apparent Structures 3D ATV 3D OTV Structures - TN Stereoplots Core Photo
Depth Image Logs Structural Data Core
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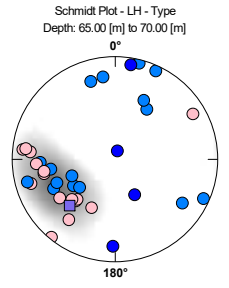
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Depth		Image Logs			Structural Data						Core
Depth 1m:20m	RL m AHD	Reflectivity 0 9000	Amplitude-HS HPF 0 6000 0° 90° 180° 270° 0°	Image-HS PROC 0° 90° 180° 270° 0°	Apparent Structures 0° 90° 180° 270° 0°	3D ATV -0°	3D OTV -0°	Structures - TN 0 90 Freq/metre 0 counts/m 10	Stereoplots Schmidt Plot - LH - Type		Core Photo

62.0 809.0 62.5 808.5 63.0 808.0 63.5 807.5 64.0 807.0 64.5 806.5 65.0 806.0 65.5 805.5 66.0 805.0 66.5 804.5 67.0 804.0 67.5 803.5 68.0 68.5





Depth		Image Logs			Structural Data						Core
1m:20m Depth	AHD RL m	0 9000 Reflectivity	0° 90° 180° 270° 0° 0 6000 Amplitude-HS HPF	0° 90° 180° 270° 0° Image-HS PROC	0° 90° 180° 270° 0° Apparent Structures	-0° 3D ATV	-0° 3D OTV	0 counts/m 10 Freq/metre 0 90 Structures - TN	Schmidt Plot - LH - Type Stereoplots		Core Photo

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	

69.0 803.0
69.5 802.5
70.0 802.0
70.5 801.5
71.0 801.0
71.5 800.5
72.0 800.0
72.5 799.5
73.0 799.0
73.5 798.5
74.0 798.0
74.5 797.5
75.0 797.0
75.5
76.0

Schmidt Plot - LH - Type
Depth: 70.00 [m] to 75.00 [m]

0°

180°

	Counts	Dip[deg]	Azi[deg]
Mean	29	67.11	67.35
	2	19.57	353.31
	9	65.60	74.81
	1	82.89	209.36
	17	84.66	62.52

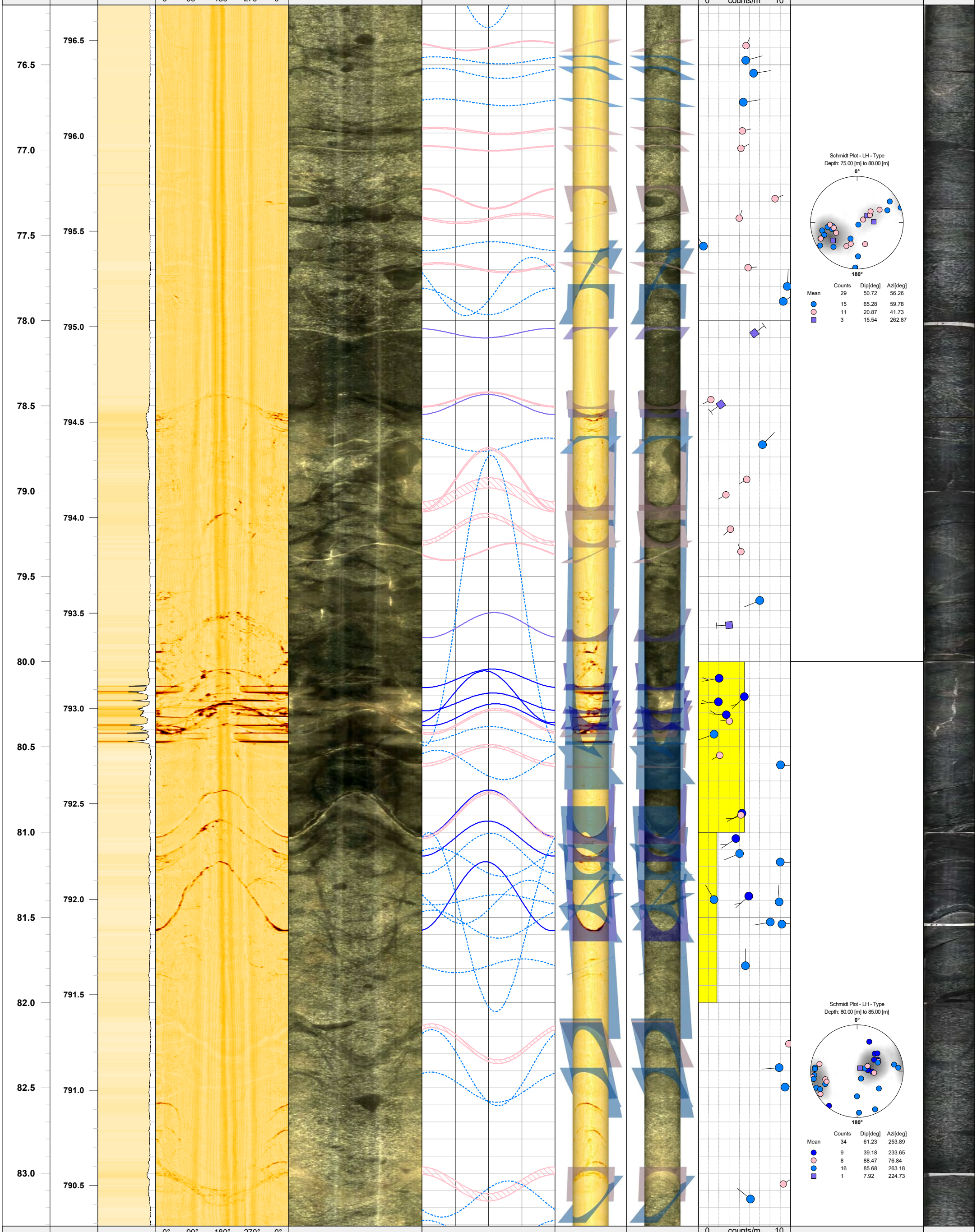
Depth		Image Logs			Structural Data					Core
1m:20m	AHD	0 9000	0 6000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	



Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	

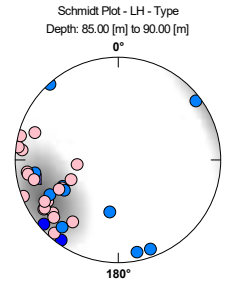
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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	

Depth: 83.5 – 90.0 m; RL m: 790.0 – 784.0 AHD



	Counts	Dip[deg]	Azi[deg]
Mean	33	69.28	63.97
	2	85.40	42.19
	10	62.91	44.46
	1	71.33	76.79
	20	69.96	69.28

Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	

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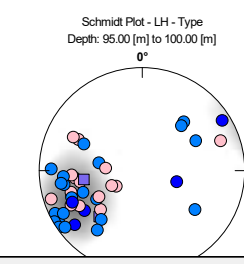
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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	

Depth: 90.5 – 97.5 m; RL m: 783.5 – 777.5 AHD



	Counts	Dip[deg]	Azi[deg]
Mean	38	61.46	70.55
	13	61.98	68.34
	7	57.86	283.97
	17	57.08	70.53
	1	48.53	76.29



Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	
Depth		Image Logs			Structural Data					Core

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	

Depth: 98.0 to 104.5 m; RL m: 777.0 to 771.5 AHD

Stereoplots:

	Counts	Dip[deg]	Azi[deg]
Mean	45	63.91	68.30
	15	52.59	76.34
	2	48.18	61.47
	6	78.13	58.51
	22	72.33	66.70

Schmidt Plot - LH - Type
Depth: 100.00 [m] to 105.00 [m]

	Counts	Dip[deg]	Azi[deg]
Mean	27	82.91	64.93
	22	81.19	67.30
	2	73.34	13.73
	3	83.50	255.69

1m:20m AHD 0 9000 0° 90° 180° 270° 0° 0 6000 0° 90° 180° 270° 0° 0° 90° 180° 270° 0° -0° -0° 0 counts/m 10 Freq/metre 0 90 Schmidt Plot - LH - Type
Depth RL m Reflectivity Amplitude-HS HPF Image-HS PROC Apparent Structures 3D ATV 3D OTV Structures - TN Stereoplots Core Photo
Depth Image Logs Structural Data Core
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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	

105.0 / 771.0
105.5 / 770.5
106.0 / 770.0
106.5 / 769.5
107.0 / 769.0
107.5 / 768.5
108.0 / 768.0
108.5 / 767.5
109.0 / 767.0
109.5 / 766.5
110.0 / 766.0
110.5 / 765.5
111.0 / 765.0
111.5

Schmidt Plot - LH - Type
Depth: 105.00 [m] to 110.00 [m]
0°
180°

	Counts	Dip[deg]	Azi[deg]
Mean	41	74.82	63.56
	12	78.41	70.60
	24	71.68	62.84
	5	82.34	45.80

Depth		Image Logs			Structural Data					Core
1m:20m	AHD	0 9000	0 6000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
Depth		Image Logs			Structural Data					Core

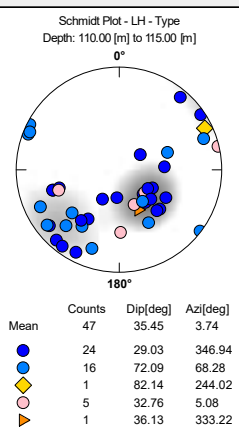
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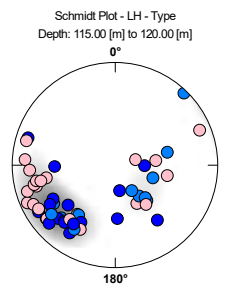
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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	

Depth: 112.0 – 119.0 m; RL m: 764.5 – 758.5 AHD



	Counts	Dip[deg]	Azi[deg]
Mean	47	35.45	3.74
	24	29.03	346.94
	16	72.09	68.28
	1	82.14	244.02
	5	32.76	5.08
	1	36.13	333.22



	Counts	Dip[deg]	Azi[deg]
Mean	52	61.06	53.56
	13	43.57	22.43
	17	57.22	46.17
	22	72.08	69.72

Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	

Depth: 119.5 – 758.0 AHD; 120.0 – 757.5; 120.5 – 757.0; 121.0 – 756.5; 121.5 – 756.0; 122.0 – 755.5; 122.5 – 755.0; 123.0 – 754.5; 123.5 – 754.0; 124.0 – 753.5; 124.5 – 753.0; 125.0 – 752.5; 125.5 – 752.0; 126.0

Schmidt Plot - LH - Type
Depth: 120.00 [m] to 125.00 [m]

0°

180°

	Counts	Dip[deg]	Azi[deg]
Mean	39	53.14	24.34
●	10	63.26	39.21
●	15	44.64	321.55
●	13	62.40	27.21
■	1	41.71	54.95

Depth		Image Logs			Structural Data					Core
1m:20m	AHD	0 9000	0° 90° 180° 270° 0° 0 6000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 10 Freq/metre 0 90	Schmidt Plot - LH - Type	
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
Depth		Image Logs			Structural Data					Core
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Depth		Image Logs			Structural Data						Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots		Core Photo
1m:20m	AHD	0 9000	0 6000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type		
126.5											
	751.5										
127.0											
	751.0										
127.5											
	750.5										
128.0											
	750.0										
128.5											
	749.5										
129.0											
	749.0										
129.5											
	748.5										
130.0											
	748.0										
130.5											
	747.5										
131.0											
	747.0										
131.5											
	746.5										
132.0											
	746.0										
132.5											
133.0											

Schmidt Plot - LH - Type
Depth: 125.00 [m] to 130.00 [m]
0°
180°

	Counts	Dip[deg]	Azi[deg]
Mean	34	45.14	327.39
	3	34.28	339.18
	18	63.72	52.46
	13	55.40	318.89

Schmidt Plot - LH - Type
Depth: 130.00 [m] to 135.00 [m]
0°
180°

	Counts	Dip[deg]	Azi[deg]
Mean	20	53.64	19.63
	11	56.65	35.22
	1	52.00	41.18
	6	60.63	346.42
	2	52.49	16.62

Depth		Image Logs			Structural Data						Core
1m:20m	AHD	0 9000	0 6000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type		
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots		Core Photo
Depth		Image Logs			Structural Data						Core

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	

133.5 / 745.5
134.0 / 745.0
134.5 / 744.5
135.0 / 744.0
135.5 / 743.5
136.0 / 743.0
136.5 / 742.5
137.0 / 742.0
137.5 / 741.5
138.0 / 741.0
138.5 / 740.5
139.0 / 740.0
139.5 / 739.5
140.0 / 140.5

Schmidt Plot - LH - Type
Depth: 135.00 [m] to 140.00 [m]
0°
180°

	Counts	Dip[deg]	Azi[deg]
Mean	41	70.72	64.99
	23	70.97	68.94
	10	83.59	83.22
	8	67.90	43.87

1m:20m AHD 0 9000 0° 90° 180° 270° 0° 0 6000 0° 90° 180° 270° 0° 0° 90° 180° 270° 0° -0° -0° 0 counts/m 10 Freq/metre 0 90 Schmidt Plot - LH - Type
Depth RL m Reflectivity Amplitude-HS HPF Image-HS PROC Apparent Structures 3D ATV 3D OTV Structures - TN Stereoplots Core Photo
Depth Image Logs Structural Data Core
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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	

141.0 739.0
141.5 738.5
142.0 738.0
142.5 737.5
143.0 737.0
143.5 736.5
144.0 736.0
144.5 735.5
145.0 735.0
145.5 734.5
146.0 734.0
146.5 733.5
147.0 733.0
147.5

Schmidt Plot - LH - Type
Depth: 140.00 [m] to 145.00 [m]
0°
180°

	Counts	Dip[deg]	Azi[deg]
Mean	32	63.51	45.47
	16	66.36	47.35
	14	60.91	43.94
	2	68.77	48.44

Schmidt Plot - LH - Type
Depth: 145.00 [m] to 150.00 [m]
0°

Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	

148.0 / 732.5
148.5 / 732.0
149.0 / 731.5
149.5 / 731.0
150.0 / 730.5
150.5 / 730.0
151.0 / 729.5
151.5 / 729.0
152.0 / 728.5
152.5 / 728.0
153.0 / 727.5
153.5 / 727.0
154.0 / 726.5
154.5

Stereoplots:

	Counts	Dip[deg]	Azi[deg]
Mean	27	55.86	31.55
	19	57.49	36.88
	8	51.25	12.80

Schmidt Plot - LH - Type
Depth: 150.00 [m] to 155.00 [m]
0°
180°

	Counts	Dip[deg]	Azi[deg]
Mean	17	65.43	64.57
	9	64.68	67.26
	8	66.26	61.62

Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	

155.0 / 726.5
155.5 / 726.0
156.0 / 725.5
156.5 / 725.0
157.0 / 724.5
157.5 / 724.0
158.0 / 723.5
158.5 / 723.0
159.0 / 722.5
159.5 / 722.0
160.0 / 721.5
160.5 / 721.0
161.0 / 720.5
161.5
162.0

Schmidt Plot - LH - Type
Depth: 155.00 [m] to 160.00 [m]

0°

180°

	Counts	Dip[deg]	Azi[deg]
Mean	35	81.75	81.79
	17	77.22	74.91
	3	70.32	98.16
	14	89.30	88.15
	1	70.76	60.08

Schmidt Plot - LH - Type
Depth: 160.00 [m] to 165.00 [m]

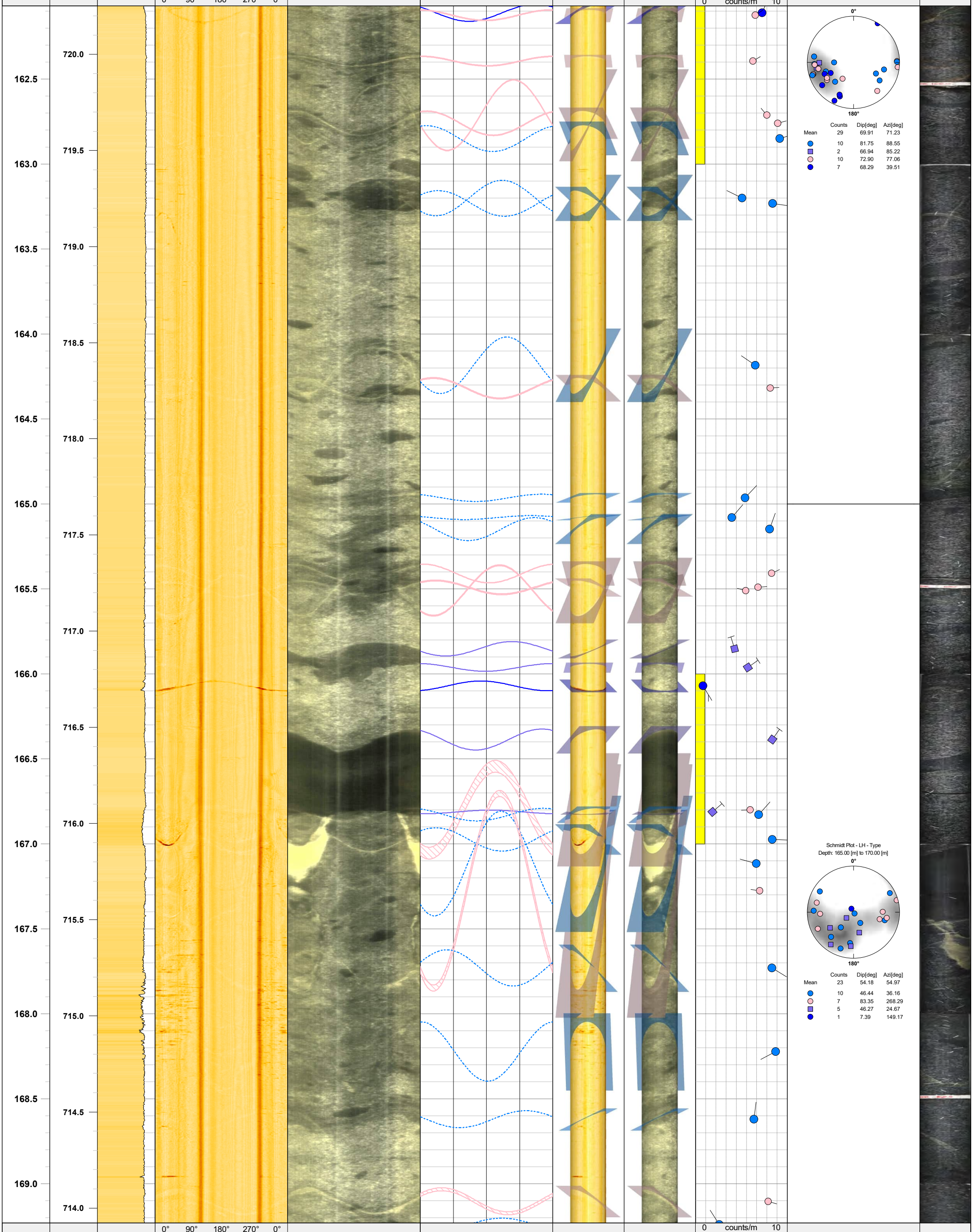
1m:20m AHD 0 9000 0° 90° 180° 270° 0° 0 6000 0° 90° 180° 270° 0° 0° 90° 180° 270° 0° -0° -0° 0 counts/m 10 Freq/metre 0 90 Schmidt Plot - LH - Type
Depth RL m Reflectivity Amplitude-HS HPF Image-HS PROC Apparent Structures 3D ATV 3D OTV Structures - TN Stereoplots Core Photo
Depth Image Logs Structural Data Core

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Depth		Image Logs			Structural Data						Core
Depth 1m:20m	RL m AHD	Reflectivity 0 9000	Amplitude-HS HPF 0 6000 0° 90° 180° 270° 0°	Image-HS PROC 0° 90° 180° 270° 0°	Apparent Structures 0° 90° 180° 270° 0°	3D ATV -0°	3D OTV -0°	Structures - TN 0 90 Freq/metre 0 counts/m 10	Stereoplots Schmidt Plot - LH - Type		Core Photo



1m:20m	AHD	0 9000	0° 90° 180° 270° 0° 0 6000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 10 Freq/metre 0 90	Schmidt Plot - LH - Type	Core Photo
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	
Depth		Image Logs			Structural Data					Core

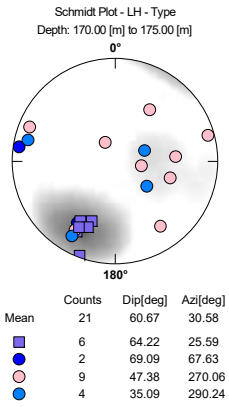
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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	

169.5 713.5
170.0 713.0
170.5 712.5
171.0 712.0
171.5 711.5
172.0 711.0
172.5 710.5
173.0 710.0
173.5 709.5
174.0 709.0
174.5 708.5
175.0 708.0
175.5
176.0



	Counts	Dip[deg]	Azi[deg]
Mean	21	60.67	30.58
	6	64.22	25.59
	2	69.09	67.63
	9	47.38	270.06
	4	35.09	290.24

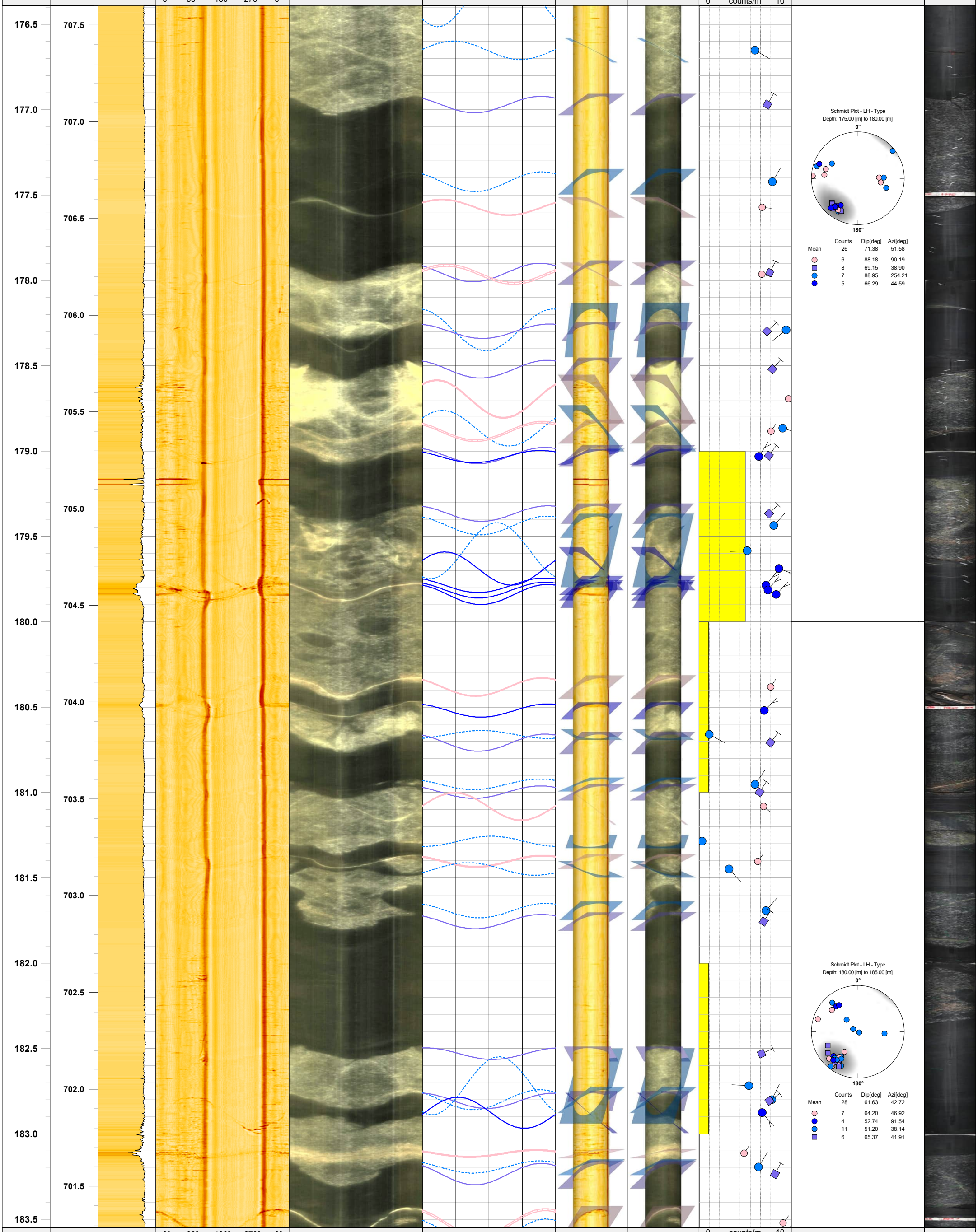
Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	



Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	

Depth	Image Logs	Structural Data	Core

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	
184.0	701.0									
184.5	700.5									
185.0	700.0									
185.5	699.5									
186.0	699.0									
186.5	698.5									
187.0	698.0									
187.5	697.5									
188.0	697.0									
188.5	696.5									
189.0	696.0									
189.5	695.5									
190.0	695.0									
190.5										

Schmidt Plot - LH - Type
Depth: 185.00 [m] to 190.00 [m]
0°
180°

	Counts	Dip[deg]	Azi[deg]
Mean	35	68.13	56.81
	8	66.44	46.31
	14	61.09	57.98
	4	74.12	52.58
	9	74.20	66.51

1m:20m AHD 0 9000 0° 90° 180° 270° 0° 0 6000 0° 90° 180° 270° 0° 0° 90° 180° 270° 0° -0° -0° 0 counts/m 10 Freq/metre 0 90 Schmidt Plot - LH - Type
Depth RL m Reflectivity Amplitude-HS HPF Image-HS PROC Apparent Structures 3D ATV 3D OTV Structures - TN Stereoplots Core Photo
Depth Image Logs Structural Data Core
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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	

Depth: 191.0 – 197.5 m; AHD: 694.5 – 689.0

Schmidt Plot - LH - Type
Depth: 190.00 [m] to 195.00 [m]

	Counts	Dip[deg]	Azi[deg]
Mean	32	55.72	40.27
	9	60.32	55.62
	3	72.79	64.46
	13	38.39	3.89
	2	37.07	352.07
	2	72.19	45.90
	3	68.72	44.98

Schmidt Plot - LH - Type
Depth: 195.00 [m] to 200.00 [m]

	Counts	Dip[deg]	Azi[deg]
Mean	55	66.38	241.87

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	

198.0 688.5
198.5 688.0
199.0 687.5
199.5 687.0
200.0 686.5
200.5 686.0
201.0 685.5
201.5 685.0
202.0 684.5
202.5 684.0
203.0 683.5
203.5 683.0
204.0 682.5
204.5
205.0

Stereoplots — Schmidt Plot - LH - Type

		Counts	Dip[deg]	Azi[deg]
	26		69.38	61.68
	25		25.41	234.31
	1		75.02	32.75
	3		81.17	51.42

Schmidt Plot - LH - Type
Depth: 200.00 [m] to 205.00 [m]
0° 180°

	Counts	Dip[deg]	Azi[deg]
Mean	48	70.85	38.57
	11	80.80	40.51
	18	22.25	295.77
	10	70.77	44.25
	1	78.86	44.84
	8	69.78	31.91

Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	

Depth: 205.00 [m] to 210.00 [m]

	Counts	Dip[deg]	Azi[deg]
Mean	47	61.53	49.05
	22	62.56	41.90
	12	67.65	55.04
	5	55.27	50.85
	8	56.15	52.22

Depth: 210.00 [m] to 215.00 [m]

205.5 682.0
206.0 681.5
206.5 681.0
207.0 680.5
207.5 680.0
208.0 679.5
208.5 679.0
209.0 678.5
209.5 678.0
210.0 677.5
210.5 677.0
211.0 676.5
211.5
212.0

1m:20m AHD Depth RL m Reflectivity 0 9000 Amplitude-HS HPF 0 6000 0° 90° 180° 270° 0° Image-HS PROC 0° 90° 180° 270° 0° Apparent Structures 0° 90° 180° 270° 0° 3D ATV -0° 3D OTV -0° Structures - TN 0 counts/m 10 Freq/metre 0 90 Stereoplots Schmidt Plot - LH - Type Core Photo

Depth | Image Logs | Structural Data | Core

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	

Depth: 212.5 – 219.0 m; RL m: 676.0 – 670.0 AHD

Schmidt Plot - LH - Type

	Counts	Dip[deg]	Azi[deg]
Mean	40	57.65	43.03
	8	57.47	65.94
	25	52.23	29.54
	5	65.53	48.00
	2	67.74	58.62

Schmidt Plot - LH - Type
Depth: 215.00 [m] to 216.85 [m]

	Counts	Dip[deg]	Azi[deg]
Mean	16	71.78	45.26
	7	71.83	40.20
	3	71.57	42.35
	4	66.18	53.24
	1	75.68	50.46
	1	81.62	49.60

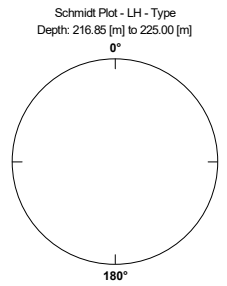
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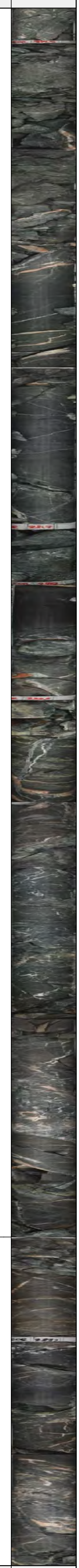
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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN / Freq/metre	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 / 0 counts/m 10	Schmidt Plot - LH - Type	

Depth: 219.5 – 226.5 m; RL m: 669.5 – 663.5 AHD





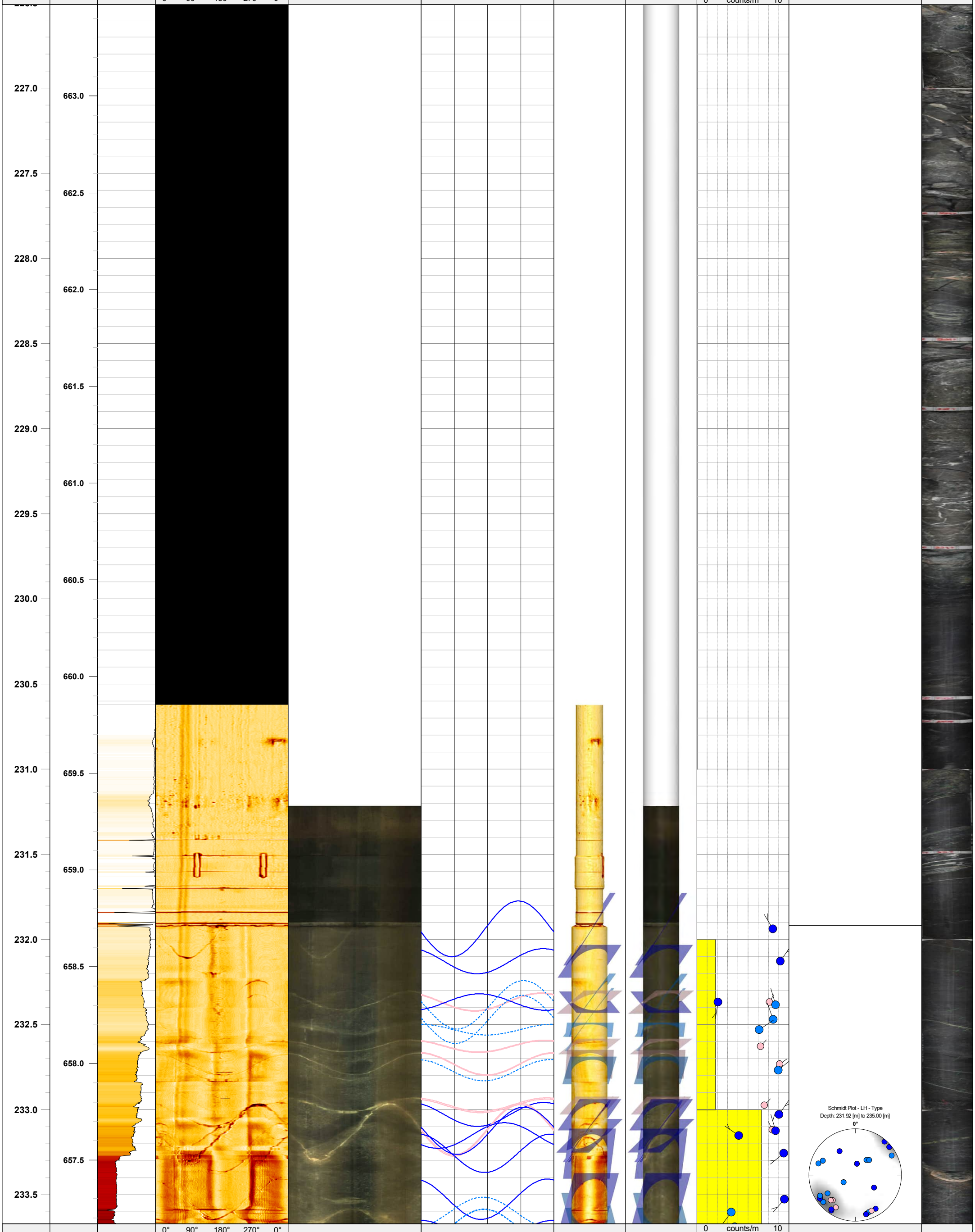
Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN / Freq/metre	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 / 0 counts/m 10	Schmidt Plot - LH - Type	

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	



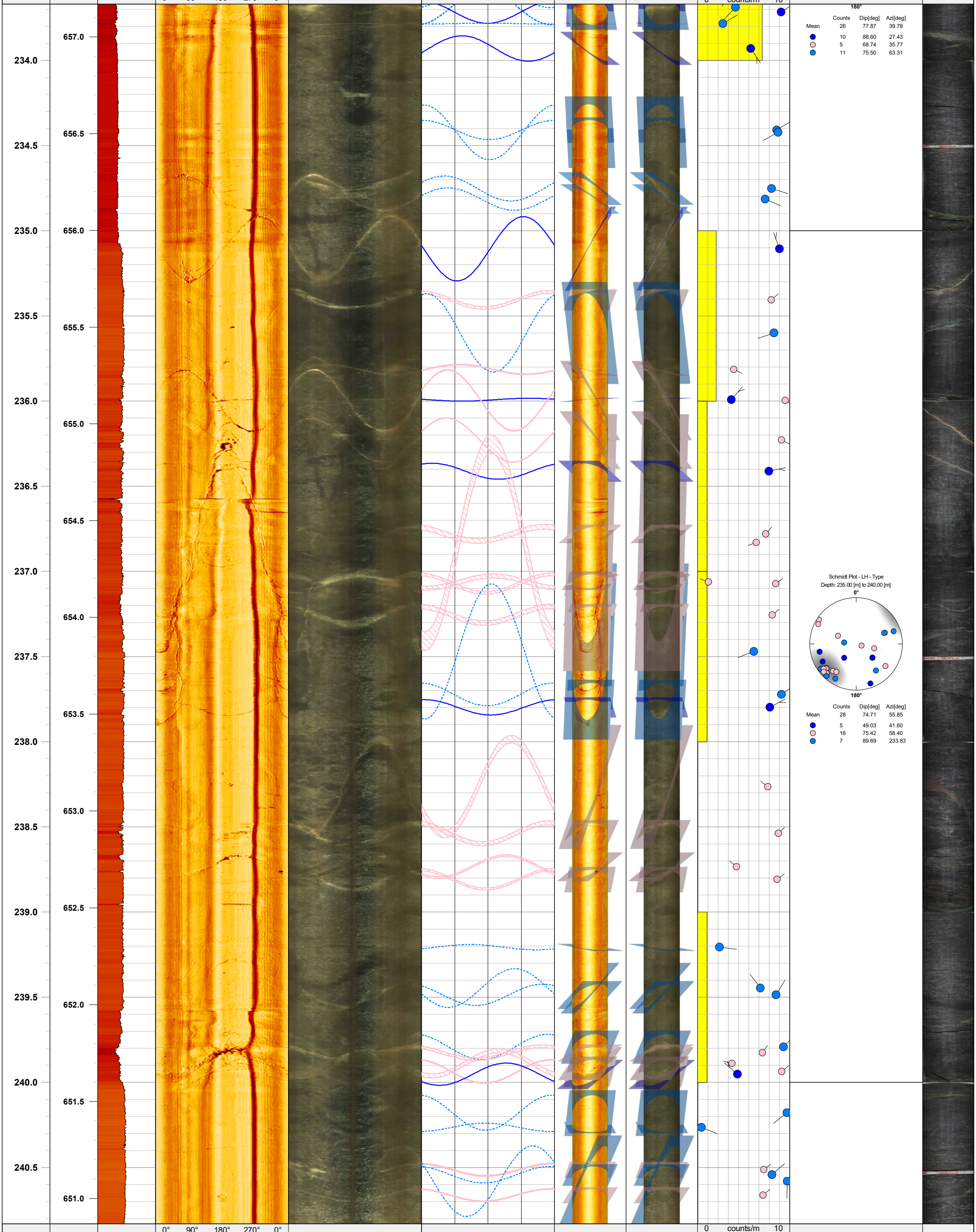
1m:20m	AHD	0 9000	0° 90° 180° 270° 0° 0 6000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 10 Freq/metre 0 90	Schmidt Plot - LH - Type	
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
Depth		Image Logs			Structural Data					Core

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	



Depth		Image Logs			Structural Data					Core
1m:20m	AHD	0 9000	0 6000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	

241.0 650.5 241.5 650.0 242.0 649.5 242.5 649.0 243.0 648.5 243.5 648.0 244.0 647.5 244.5 647.0 245.0 646.5 245.5 646.0 246.0 645.5 246.5 645.0 247.0 247.5

Schmidt Plot - LH - Type
Depth: 240.00 [m] to 245.00 [m]
0°
180°

	Counts	Dip[deg]	Azi[deg]
Mean	25	68.24	49.94
	12	66.59	60.80
	13	68.67	44.52

Schmidt Plot - LH - Type
Depth: 245.00 [m] to 250.00 [m]
0°
180°

	Counts	Dip[deg]	Azi[deg]
Mean	27	76.77	56.10
	4	84.26	46.68
	15	74.56	55.48

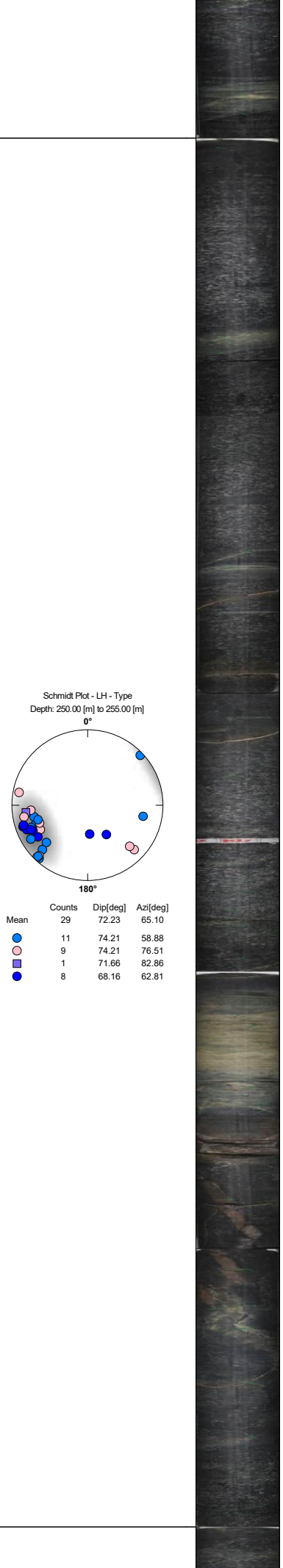
1m:20m	AHD	0 9000	0° 90° 180° 270° 0° 0 6000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 10 Freq/metre 0 90	Schmidt Plot - LH - Type	
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
Depth		Image Logs			Structural Data					Core
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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	

248.0 644.5
248.5 644.0
249.0 643.5
249.5 643.0
250.0 642.5
250.5 642.0
251.0 641.5
251.5 641.0
252.0 640.5
252.5 640.0
253.0 639.5
253.5 639.0
254.0 638.5
254.5
255.0



Depth		Image Logs			Structural Data					Core
1m:20m	AHD	0 9000	0° 90° 180° 270° 0° 0 6000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 10 Freq/metre 0 90	Schmidt Plot - LH - Type	
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	

255.5 638.0
256.0 637.5
256.5 637.0
257.0 636.5
257.5 636.0
258.0 635.5
258.5 635.0
259.0 634.5
259.5 634.0
260.0 633.5
260.5 633.0
261.0 632.5
261.5
262.0

Schmidt Plot - LH - Type
Depth: 255.00 [m] to 260.00 [m]
0°
180°

	Counts	Dip[deg]	Azi[deg]
Mean	22	89.61	238.74
	8	81.02	239.62
	1	61.23	326.63
	13	86.67	58.27

Schmidt Plot - LH - Type
Depth: 260.00 [m] to 265.00 [m]
0°

Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	

262.5 632.0
263.0 631.5
263.5 631.0
264.0 630.5
264.5 630.0
265.0 629.5
265.5 629.0
266.0 628.5
266.5 628.0
267.0 627.5
267.5 627.0
268.0 626.5
268.5 626.0
269.0

Stereoplots (Schmidt Plot - LH - Type)

	Counts	Dip[deg]	Azi[deg]
Mean	18	71.06	171.27
	5	10.38	115.36
	11	85.50	173.89
	1	22.13	159.55
	1	87.60	177.70

Schmidt Plot - LH - Type
Depth: 265.00 [m] to 270.00 [m]

	Counts	Dip[deg]	Azi[deg]
Mean	30	77.50	46.64
	20	79.34	41.88
	1	66.75	59.74
	9	79.79	78.78

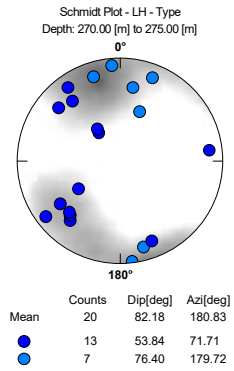
1m:20m AHD 0 9000 0° 90° 180° 270° 0° 0 6000 0° 90° 180° 270° 0° 0° 90° 180° 270° 0° 0° 90° 180° 270° 0° -0° -0° 0 counts/m 10 Freq/metre 0 90 Schmidt Plot - LH - Type
Depth RL m Reflectivity Amplitude-HS HPF Image-HS PROC Apparent Structures 3D ATV 3D OTV Structures - TN Stereoplots Core Photo
Depth Image Logs Structural Data Core
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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	

269.5 / 625.5 / 270.0 / 625.0 / 270.5 / 624.5 / 271.0 / 624.0 / 271.5 / 623.5 / 272.0 / 623.0 / 272.5 / 622.5 / 273.0 / 622.0 / 273.5 / 621.5 / 274.0 / 621.0 / 274.5 / 620.5 / 275.0 / 620.0 / 275.5 / 619.5 / 276.0 / 276.5



Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	

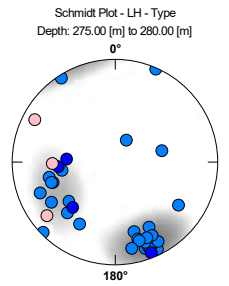
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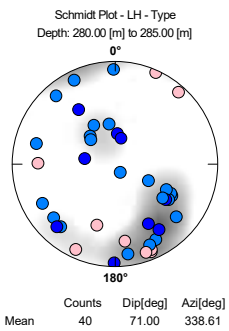
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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	

277.0 — 619.0
277.5 — 618.5
278.0 — 618.0
278.5 — 617.5
279.0 — 617.0
279.5 — 616.5
280.0 — 616.0
280.5 — 615.5
281.0 — 615.0
281.5 — 614.5
282.0 — 614.0
282.5 — 613.5
283.0
283.5





1m:20m	AHD	0 9000	0° 90° 180° 270° 0° 0 6000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 10 Freq/metre 0 90	Schmidt Plot - LH - Type	
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
Depth		Image Logs			Structural Data					Core

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	
284.0	613.0									
284.5	612.5									
285.0	612.0									
285.5	611.5									
286.0	611.0									
286.5	610.5									
287.0	610.0									
287.5	609.5									
288.0	609.0									
288.5	608.5									
289.0	608.0									
289.5	607.5									
290.0	607.0									
290.5										

Schmidt Plot - LH - Type
Depth: 285.00 [m] to 290.00 [m]

0°

180°

	Counts	Dip[deg]	Azi[deg]
Mean	43	68.31	43.27
	21	60.16	36.27
	21	85.44	53.04
	1	88.04	355.87

1m:20m | AHD | 0 9000 | 0° 90° 180° 270° 0° / 0 6000 | 0° 90° 180° 270° 0° | 0° 90° 180° 270° 0° | -0° | -0° | 0 counts/m 10 / Freq/metre 0 90 | Schmidt Plot - LH - Type | Core Photo
Depth | RL m | Reflectivity | Amplitude-HS HPF | Image-HS PROC | Apparent Structures | 3D ATV | 3D OTV | Structures - TN | Stereoplots | Core
Depth | Image Logs | Structural Data | Core
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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	

291.0 606.5 291.5 606.0 292.0 605.5 292.5 605.0 293.0 604.5 293.5 604.0 294.0 603.5 294.5 603.0 295.0 602.5 295.5 602.0 296.0 601.5 296.5 601.0 297.0 297.5 298.0

Schmidt Plot - LH - Type
Depth: 290.00 [m] to 295.00 [m]
0°
180°

	Counts	Dip[deg]	Azi[deg]
Mean	24	67.75	342.23
	9	82.47	342.01
	10	15.72	100.15
	5	47.31	300.09

Schmidt Plot - LH - Type
Depth: 295.00 [m] to 300.00 [m]
0°
180°

	Counts	Dip[deg]	Azi[deg]
Mean	35	81.47	94.25
	6	81.39	83.24
	18	83.87	102.30
	1	83.67	45.33
	10	79.01	87.53

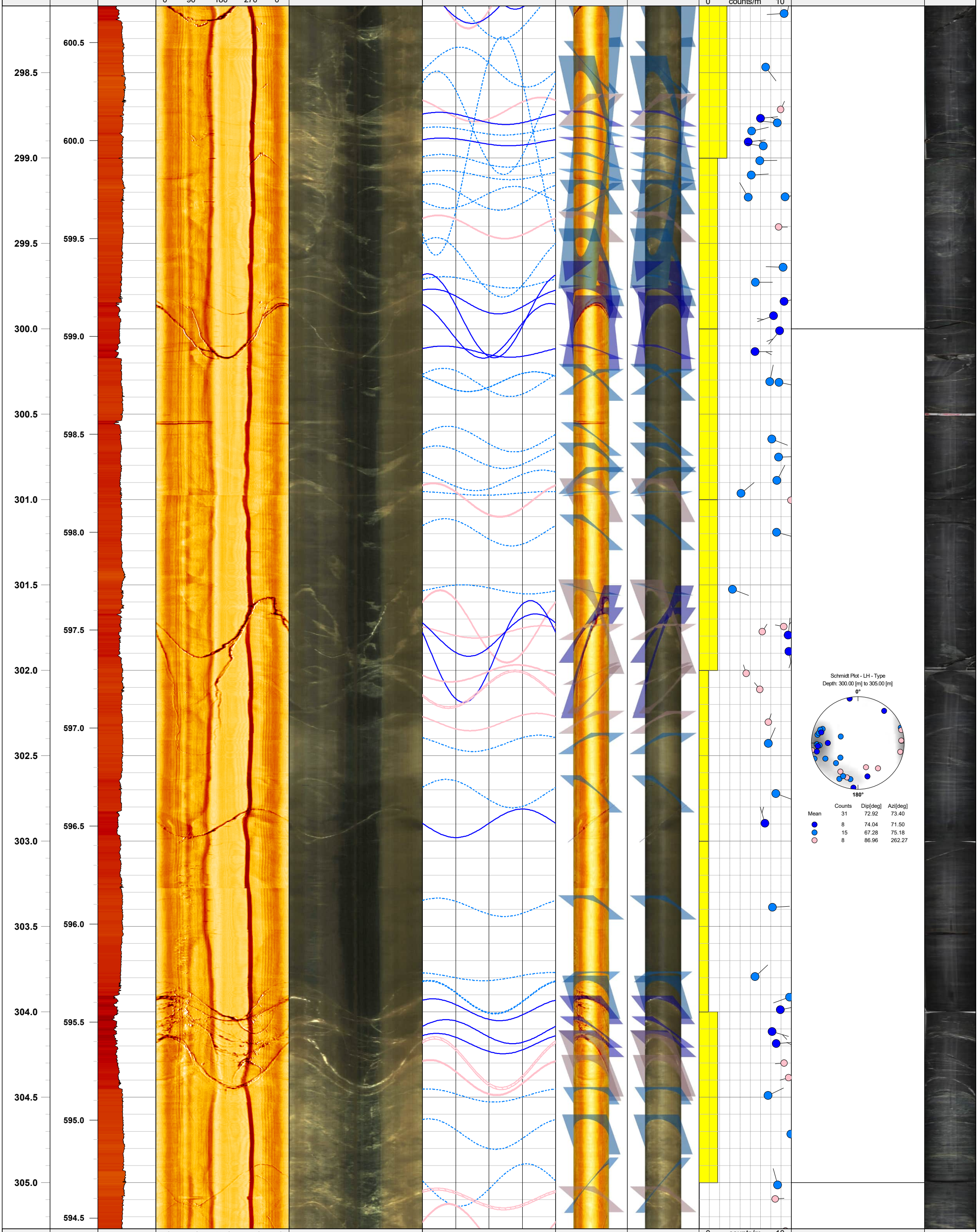
Depth		Image Logs			Structural Data					Core
1m:20m	AHD	0 9000	0 6000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	



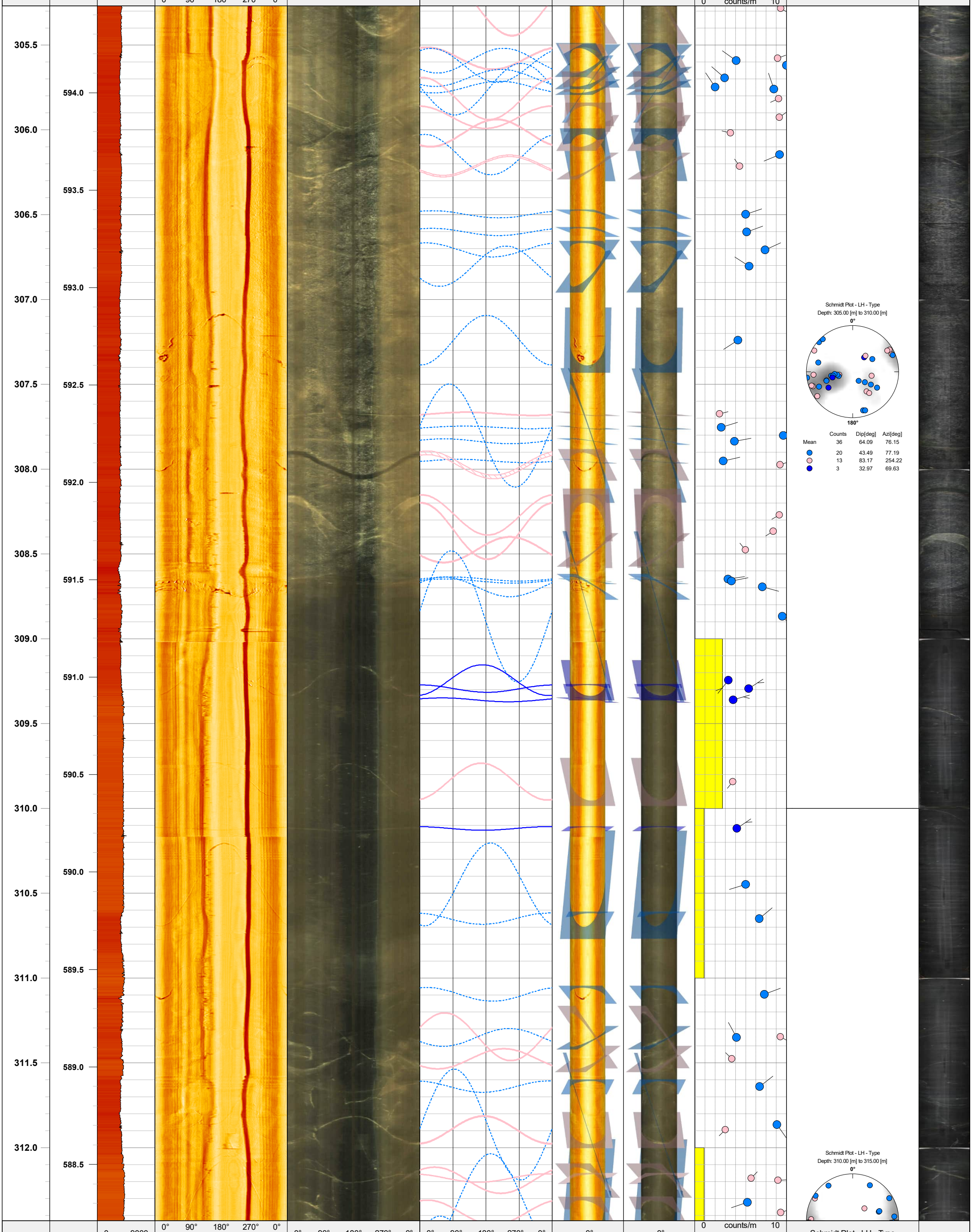
Depth		Image Logs			Structural Data					Core
1m:20m	AHD	0 9000	0° 90° 180° 270° 0° 0 6000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 10 Freq/metre 0 90	Schmidt Plot - LH - Type	
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	



Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	

Depth: 312.5 – 588.0; 313.0 – 587.5; 313.5 – 587.0; 314.0 – 586.5; 314.5 – 586.0; 315.0 – 585.5; 315.5 – 585.0; 316.0 – 584.5; 316.5 – 584.0; 317.0 – 583.5; 317.5 – 583.0; 318.0 – 582.5; 318.5 – 582.0; 319.0 – 581.5; 319.5

Stereoplot 1 (Schmidt Plot - LH - Type):

	Counts	Dip[deg]	Azi[deg]
Mean	33	89.57	81.93
	3	51.87	56.98
	18	82.85	264.83
	12	82.71	271.53

Stereoplot 2 (Schmidt Plot - LH - Type, Depth: 315.00 [m] to 320.00 [m]):

	Counts	Dip[deg]	Azi[deg]
Mean	19	89.35	300.79
	13	89.73	303.57
	3	79.27	126.85
	3	86.36	261.99

Depth | RL m | Reflectivity | Amplitude-HS HPF | Image-HS PROC | Apparent Structures | 3D ATV | 3D OTV | Structures - TN | Stereoplots | Core Photo
Depth | Image Logs | Structural Data | Core
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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	

320.0 581.5 320.5 581.0 321.0 580.5 321.5 580.0 322.0 579.5 322.5 579.0 323.0 578.5 323.5 578.0 324.0 577.5 324.5 577.0 325.0 576.5 325.5 576.0 326.0 326.5

Schmidt Plot - LH - Type
Depth: 320.00 [m] to 325.00 [m]

0°

180°

	Counts	Dip[deg]	Azi[deg]
Mean	26	80.47	308.29
	8	36.31	42.33
	15	89.10	120.48
	3	61.67	329.36

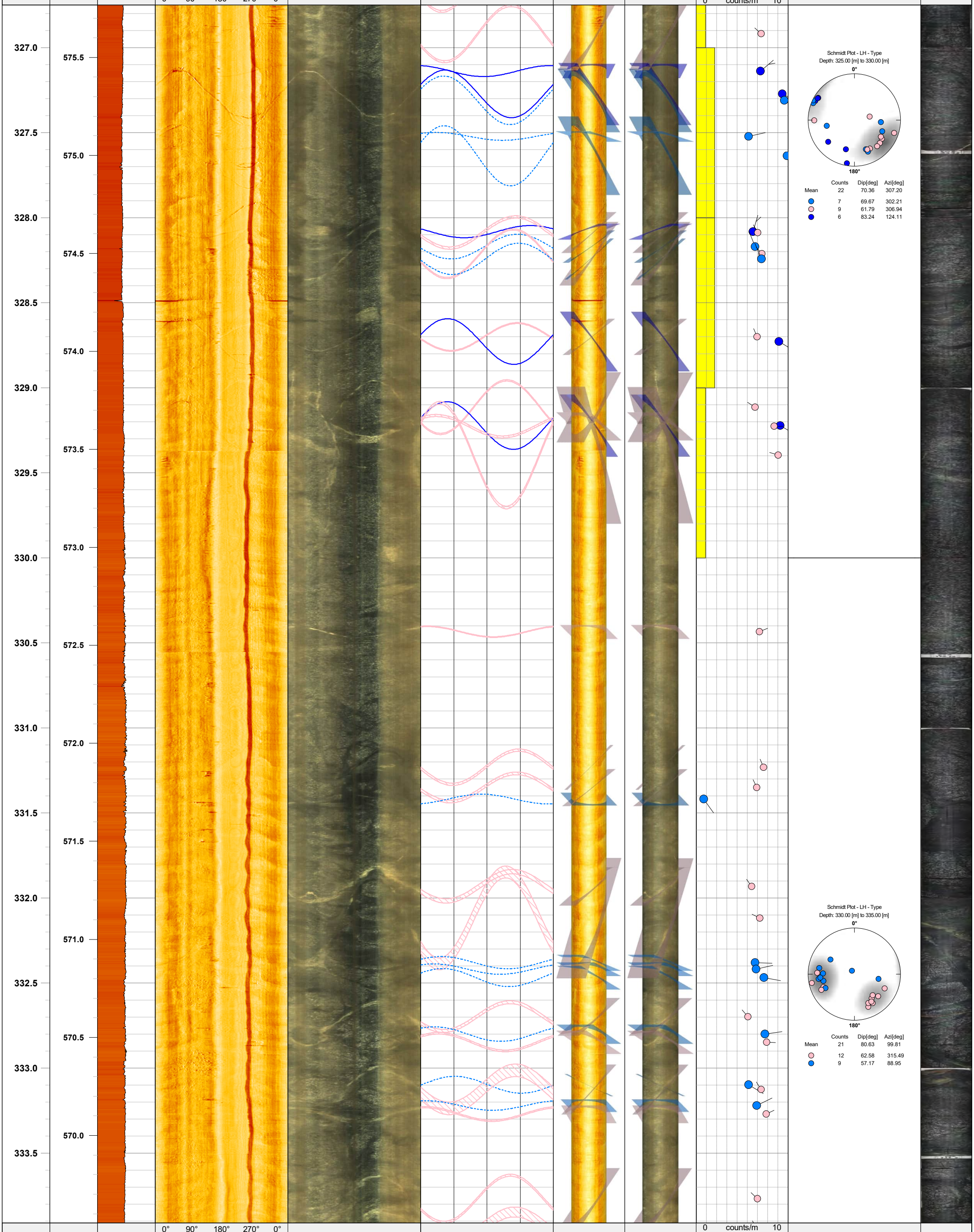
Depth		Image Logs			Structural Data					Core
1m:20m	AHD	0 9000	0 6000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
Depth		Image Logs			Structural Data					Core

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	



Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	

334.0 / 569.5
334.5 / 569.0
335.0 / 568.5
335.5 / 568.0
336.0 / 567.5
336.5 / 567.0
337.0 / 566.5
337.5 / 566.0
338.0 / 565.5
338.5 / 565.0
339.0 / 564.5
339.5 / 564.0
340.0 / 563.5
340.5
341.0

Schmidt Plot - LH - Type
Depth: 335.00 [m] to 340.00 [m]

0°

180°

	Counts	Dip[deg]	Azi[deg]
Mean	37	69.51	103.22
	21	53.42	95.82
	1	27.82	51.43
	12	57.81	304.55
	3	82.17	312.66

Depth		Image Logs			Structural Data					Core
1m:20m	AHD	0 9000	0 6000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
Depth		Image Logs			Structural Data					Core

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	

Depth / RL m: 341.5 / 563.0; 342.0 / 562.5; 342.5 / 562.0; 343.0 / 561.5; 343.5 / 561.0; 344.0 / 560.5; 344.5 / 560.0; 345.0 / 559.5; 345.5 / 559.0; 346.0 / 558.5; 346.5 / 558.0; 347.0 / 557.5; 347.5 / 557.0; 348.0

Schmidt Plot - LH - Type
Depth: 340.00 [m] to 345.00 [m]

	Counts	Dip[deg]	Azi[deg]
Mean	30	46.41	61.66
	14	40.02	38.94
	2	65.34	75.87
	7	65.57	65.00
	5	38.65	96.23
	1	38.56	70.21
	1	57.55	73.47

Schmidt Plot - LH - Type
Depth: 345.00 [m] to 350.00 [m]

	Counts	Dip[deg]	Azi[deg]
Mean	43	73.35	47.65
	24	74.72	48.96
	8	74.33	49.12
	1	41.62	50.51
	10	74.21	41.59

1m:20m | AHD | Reflectivity 0 9000 | Amplitude-HS HPF 0 6000 0° 90° 180° 270° 0° | Image-HS PROC 0° 90° 180° 270° 0° | Apparent Structures 0° 90° 180° 270° 0° | 3D ATV -0° | 3D OTV -0° | Structures - TN 0 counts/m 10 Freq/metre 0 90 | Schmidt Plot - LH - Type | Core Photo
Depth | RL m | Reflectivity | Amplitude-HS HPF | Image-HS PROC | Apparent Structures | 3D ATV | 3D OTV | Structures - TN | Stereoplots | Core Photo
Depth | Image Logs | Structural Data | Core
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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	
348.5	557.0									
349.0	556.5									
349.5	556.0									
350.0	555.5									
350.5	555.0									
351.0	554.5									
351.5	554.0									
352.0	553.5									
352.5	553.0									
353.0	552.5									
353.5	552.0									
354.0	551.5									
354.5	551.0									
355.0										

Schmidt Plot - LH - Type
Depth: 350.00 [m] to 355.00 [m]

0°

180°

	Counts	Dip[deg]	Azi[deg]
Mean	31	71.43	57.11
	7	73.33	66.31
	11	64.43	49.92
	11	72.50	58.52
	2	76.65	46.11

1m:20m	AHD	0 9000	0° 90° 180° 270° 0° 0 6000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 10 Freq/metre 0 90	Schmidt Plot - LH - Type	Core Photo
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	
Depth		Image Logs			Structural Data					Core
BHT-203										

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	

Depth: 355.5 – 362.5 m; RL m: 550.5 – 545.0 AHD

Schmidt Plot - LH - Type
Depth: 355.00 [m] to 360.00 [m]

	Counts	Dip[deg]	Azi[deg]
Mean	25	86.21	258.93
	12	83.49	286.67
	8	89.45	51.31
	3	61.40	234.40
	2	54.84	318.41

Schmidt Plot - LH - Type
Depth: 360.00 [m] to 365.00 [m]

Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	

Depth: 363.0 m to 369.5 m (AHD: 544.5 to 539.0)

Stereoplots (Schmidt Plot - LH - Type):

	Counts	Dip[deg]	Azi[deg]
Mean	15	48.87	309.36
	6	55.90	304.39
	6	55.18	288.49
	3	53.75	15.61

Schmidt Plot - LH - Type
Depth: 365.00 [m] to 370.00 [m]

	Counts	Dip[deg]	Azi[deg]
Mean	21	77.20	60.89
	9	76.33	70.53
	2	77.35	5.53
	10	79.93	61.84

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	

Depth: 370.00 [m] to 375.00 [m]

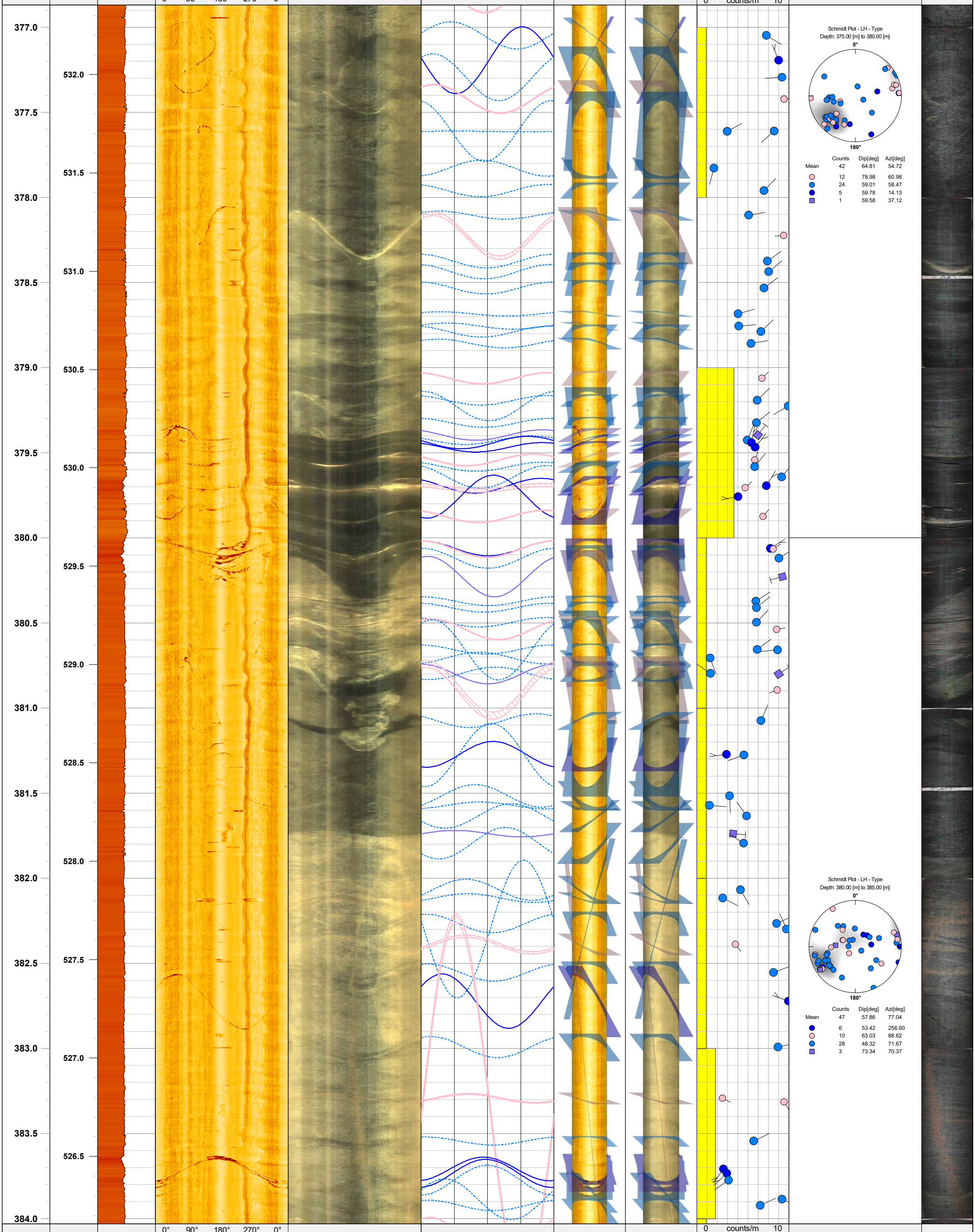
	Counts	Dip[deg]	Azi[deg]
Mean	24	77.59	73.17
	14	73.10	81.86
	1	71.35	65.89
	8	87.24	244.11
	1	37.21	55.40

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	



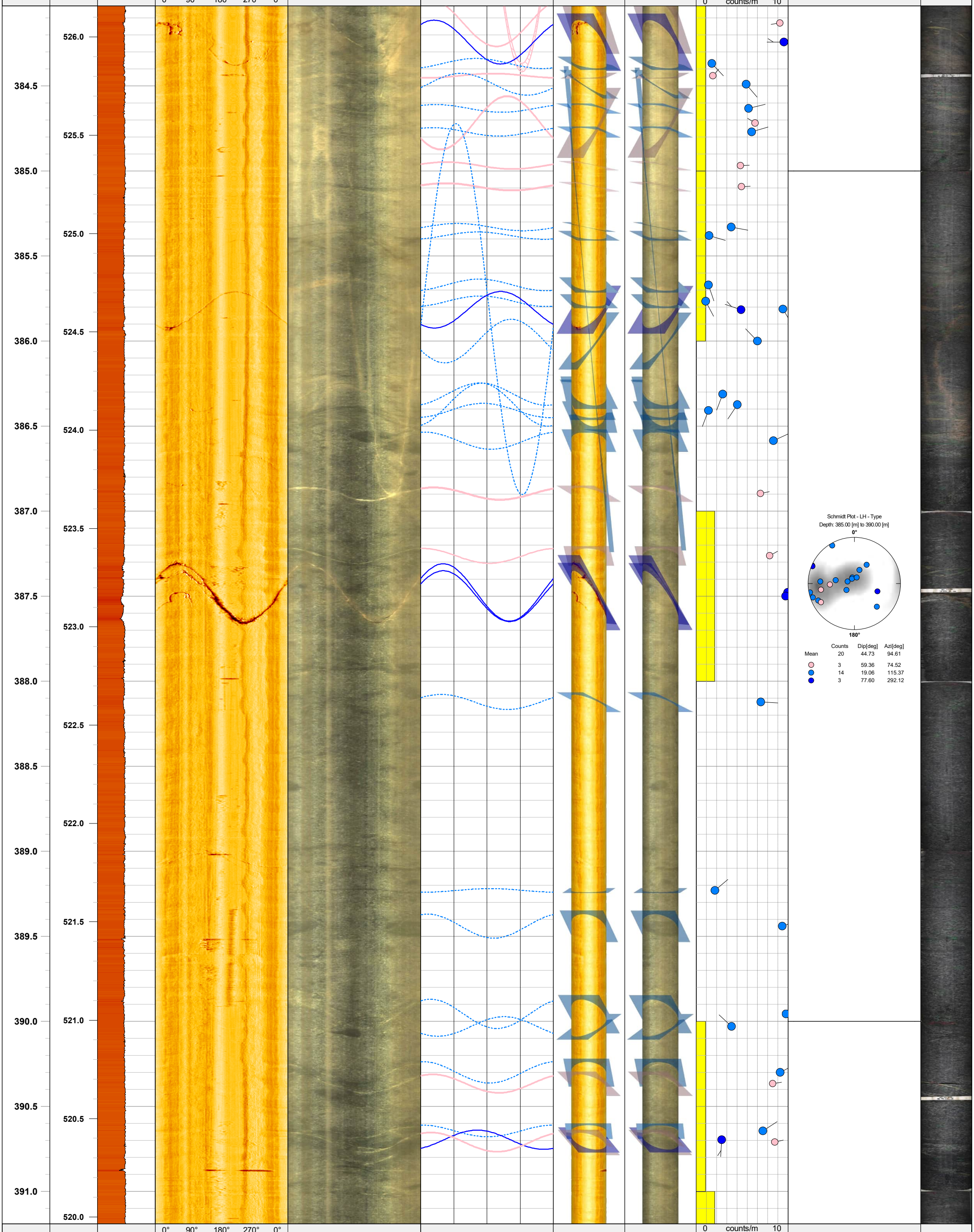
Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	



Schmidt Plot - LH - Type
Depth: 385.00 [m] to 390.00 [m]

0°

180°

	Counts	Dip[deg]	Azi[deg]
Mean	20	44.73	94.61
	3	59.36	74.52
	14	19.06	115.37
	3	77.60	292.12

Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	

391.5 519.5
392.0 519.0
392.5 518.5
393.0 518.0
393.5 517.5
394.0 517.0
394.5 516.5
395.0 516.0
395.5 515.5
396.0 515.0
396.5 514.5
397.0 514.0
397.5
398.0

Schmidt Plot - LH - Type
Depth: 390.00 [m] to 395.00 [m]
0°
180°

	Counts	Dip[deg]	Azi[deg]
Mean	29	56.19	88.16
	11	58.99	74.97
	7	67.45	101.82
	9	46.82	75.42
	2	45.85	109.65

Schmidt Plot - LH - Type
Depth: 395.00 [m] to 400.00 [m]
0°
180°

	Counts	Dip[deg]	Azi[deg]
Mean	39	59.02	70.90
	15	59.54	74.60
	12	50.08	63.53
	11	69.06	74.28
	1	46.74	59.73

1m:20m	AHD	0 9000	0° 90° 180° 270° 0° 0 6000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 10 Freq/metre 0 90	Schmidt Plot - LH - Type	
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
Depth		Image Logs			Structural Data					Core

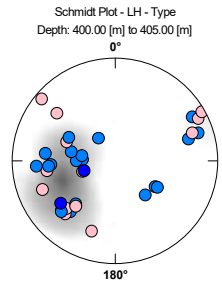
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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	

398.5 513.5
399.0 513.0
399.5 512.5
400.0 512.0
400.5 511.5
401.0 511.0
401.5 510.5
402.0 510.0
402.5 509.5
403.0 509.0
403.5 508.5
404.0 508.0
404.5
405.0
405.5



	Counts	Dip[deg]	Azi[deg]
Mean	36	51.86	69.36
	19	43.83	77.96
	13	61.91	66.44
	4	51.08	51.68

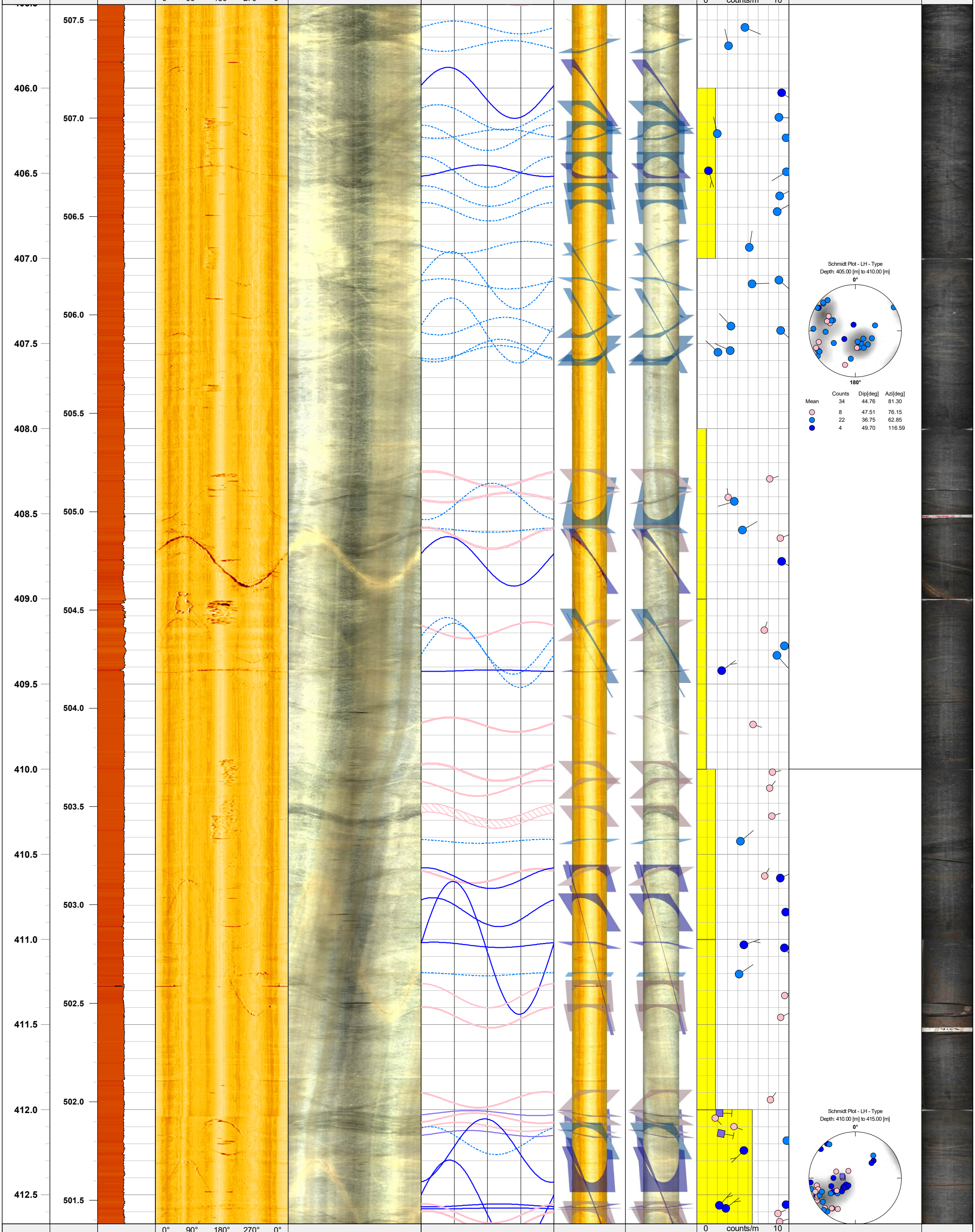
Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	



Depth		Image Logs			Structural Data					Core
1m:20m	AHD	0 9000	0° 90° 180° 270° 0° 0 6000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 10 Freq/metre 0 90	Schmidt Plot - LH - Type	
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	

413.0 501.0
413.5 500.5
414.0 500.0
414.5 499.5
415.0 499.0
415.5 498.5
416.0 498.0
416.5 497.5
417.0 497.0
417.5 496.5
418.0 496.0
418.5 495.5
419.0
419.5

Stereoplots:

180°

	Counts	Dip[deg]	Azi[deg]
Mean	42	56.23	62.01
	13	68.86	58.92
	11	71.56	56.59
	16	33.01	66.73
	2	22.72	96.00

Schmidt Plot - LH - Type
Depth: 415.00 [m] to 420.00 [m]

0°

180°

	Counts	Dip[deg]	Azi[deg]
Mean	27	31.14	57.70
	18	37.39	62.84
	3	29.73	277.21
	6	29.24	45.40

Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	

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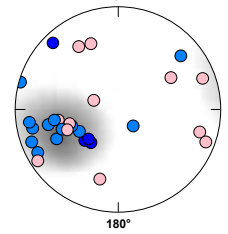
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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	

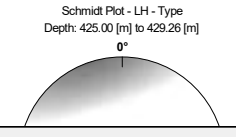
420.0 / 495.0
420.5 / 494.5
421.0 / 494.0
421.5 / 493.5
422.0 / 493.0
422.5 / 492.5
423.0 / 492.0
423.5 / 491.5
424.0 / 491.0
424.5 / 490.5
425.0 / 490.0
425.5 / 489.5
426.0

Schmidt Plot - LH - Type
Depth: 420.00 [m] to 425.00 [m]



	Counts	Dip[deg]	Azi[deg]
Mean	29	57.61	74.07
	13	62.75	72.39
	4	34.85	49.81
	12	63.28	84.59

Schmidt Plot - LH - Type
Depth: 425.00 [m] to 429.26 [m]

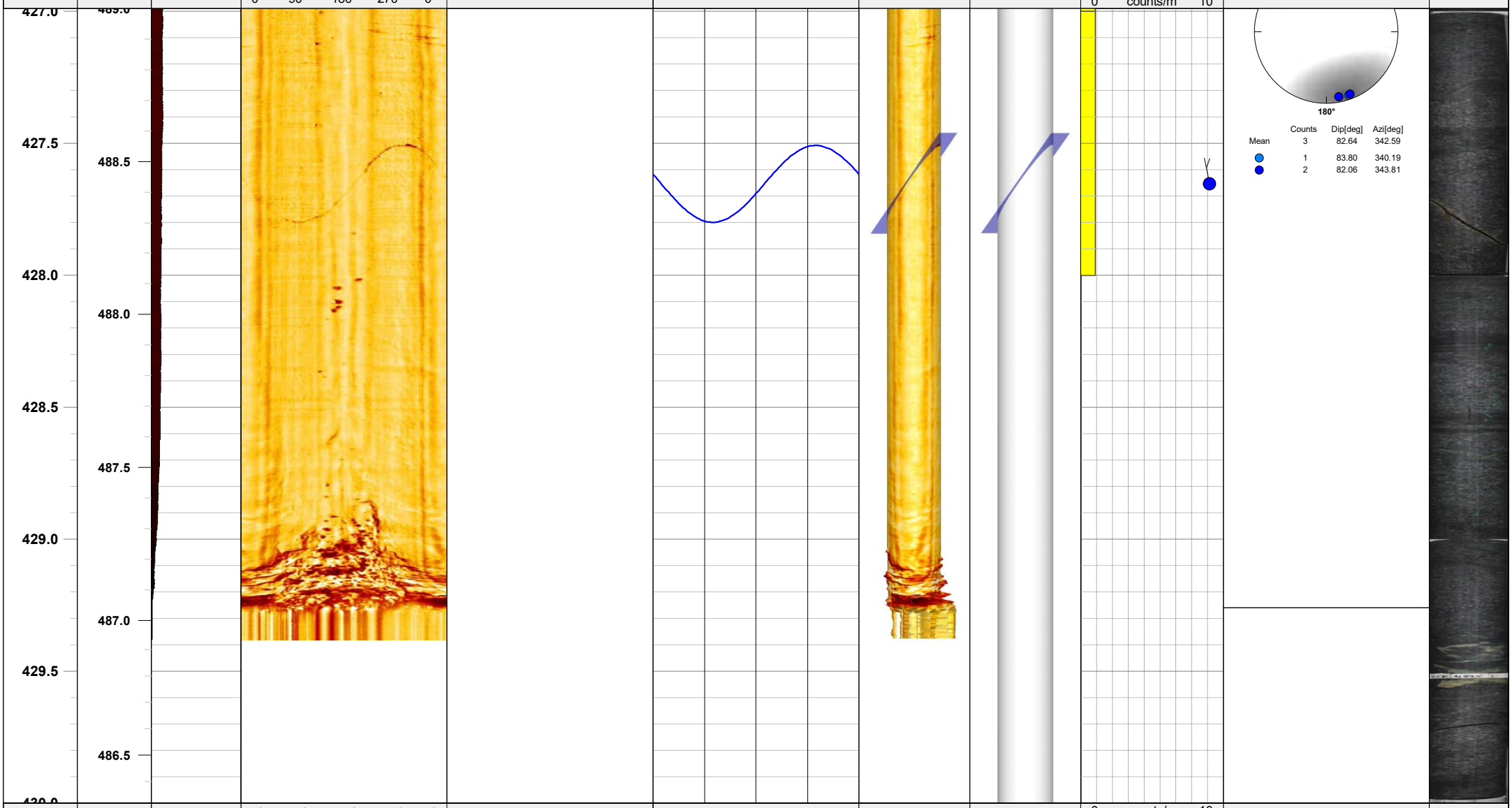


1m:20m	AHD	0 9000	0 6000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
Depth		Image Logs			Structural Data					Core
BHT-203										

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	



Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS PROC	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD	0 9000	0 6000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 10	Schmidt Plot - LH - Type	

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BHT-203 Composite Logs

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WSP Australia Pty Limited
Level 12, 900 Ann Street
Fortitude Valley
QLD 4006
Australia

GEOPHYSICAL RECORD OF BOREHOLE: BHT-203

PROJECT: Pioneer-Burdekin PHES | JOB # PS138693
CLIENT: Queensland Hydro | DATE: 26/11/2023

BOREHOLE DETAILS

LOCATION:	Upper Reservoir A	BH DEPTH:	430 m
EASTING:	656540.18 m	BH DIAMETER:	HQ (96 mm)
NORTHING:	7664631.16 m	BH AZIMUTH:	237° TN
ELEVATION:	865.804 m	BH PLUNGE:	-62°
COORD SYSTEM:	MGA2020	CASING DEPTH:	27.99 m
LOGGING DATUM:	Ground Level	CASING TYPE:	HWT

DOCUMENT DETAILS

LOGGED BY:	JH / GH
LOGGED DATE:	23/8-16/9/2024
DRAWN BY:	JH
REVIEWED BY:	GH
FILE:	BHT-203_Comp_RevB
LOGGED DEPTH:	429.28 m

NOTES

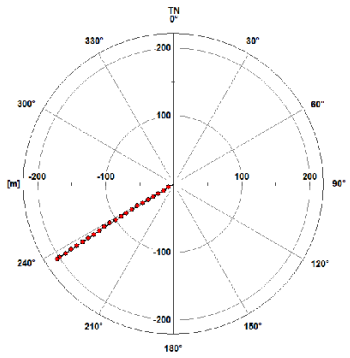
Image logs are oriented relative to borehole high side. Final structure log is oriented relative to true north using magnetic declination of 8.2° East.

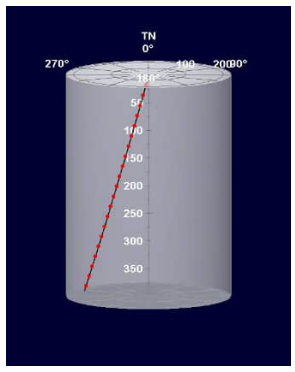
Mechanical calliper log used for structure dip corrections.

All logs zerored to ground level. Cased section assumed straight for deviation calculations.

This hole was logged in two sections due to BH collapse in a fault zone between 216 m and 230 m. Top of fault imaged at 216.2 m.

BOREHOLE DEVIATION



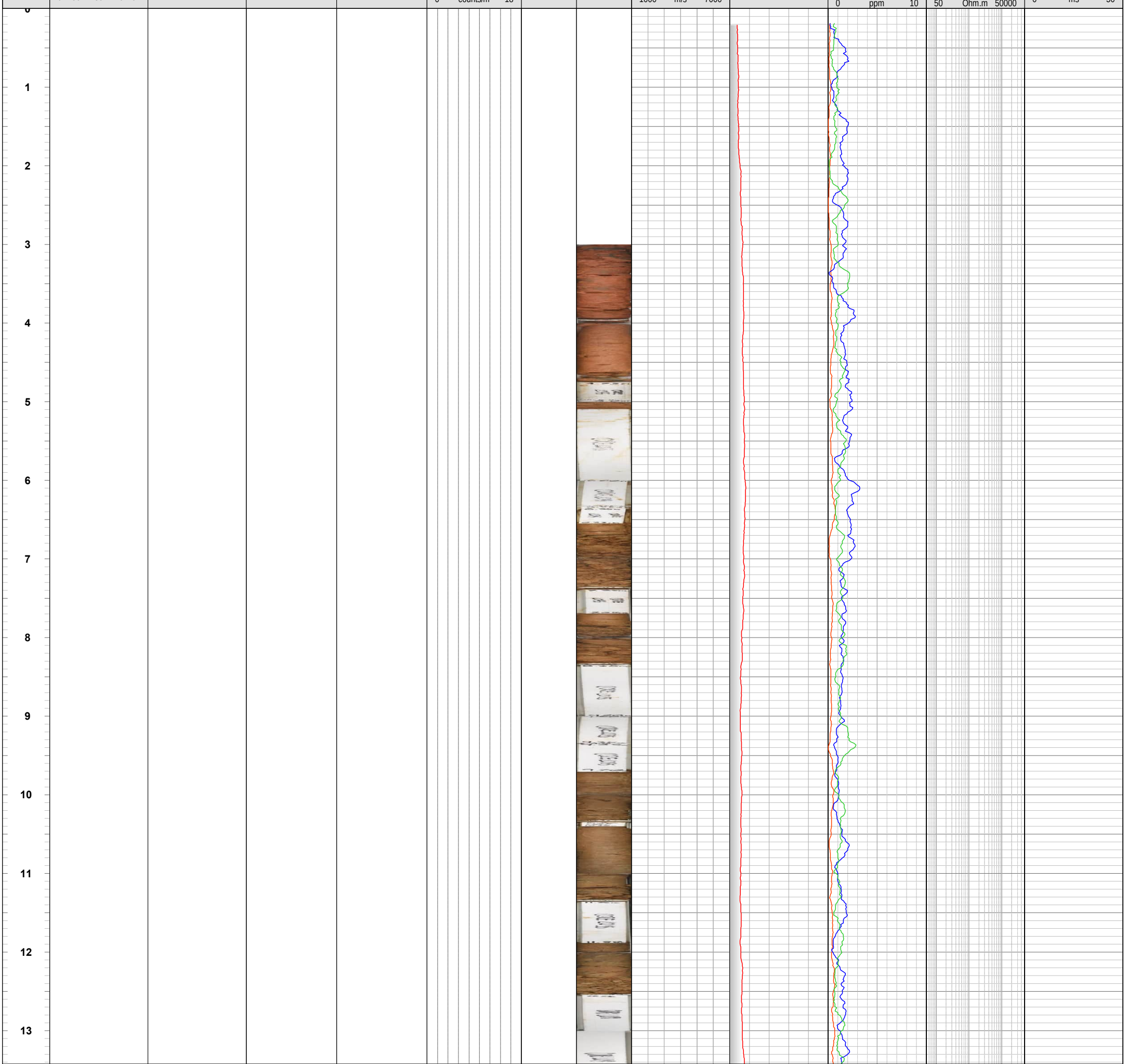


INTERPRETED STRUCTURES

Contact | Crushed Seam | Fracture Zone | Joint | Shear Seam | Shear Zone | Vein | Healed Joint

BHT-203

Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs	Electrical Logs	
Depth	Amplitude-HS HPF	Image-HS PROC	Reflectivity	CAL	Structures - TN Freq/metre	3D ATV	Core	Vp Vs	GR	K Th U	N16 N32 N8	Ma16 Ma64
1m:50m	500 6000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0 9000	80 mm 160	0 90 0 counts/m 18	-0°		1000 m/s 7000 1000 m/s 7000	0 API 250	0 % 10 0 ppm 20 0 ppm 10	50 Ohm.m 50000 50 Ohm.m 50000 50 Ohm.m 50000	0 ms 50 0 ms 50



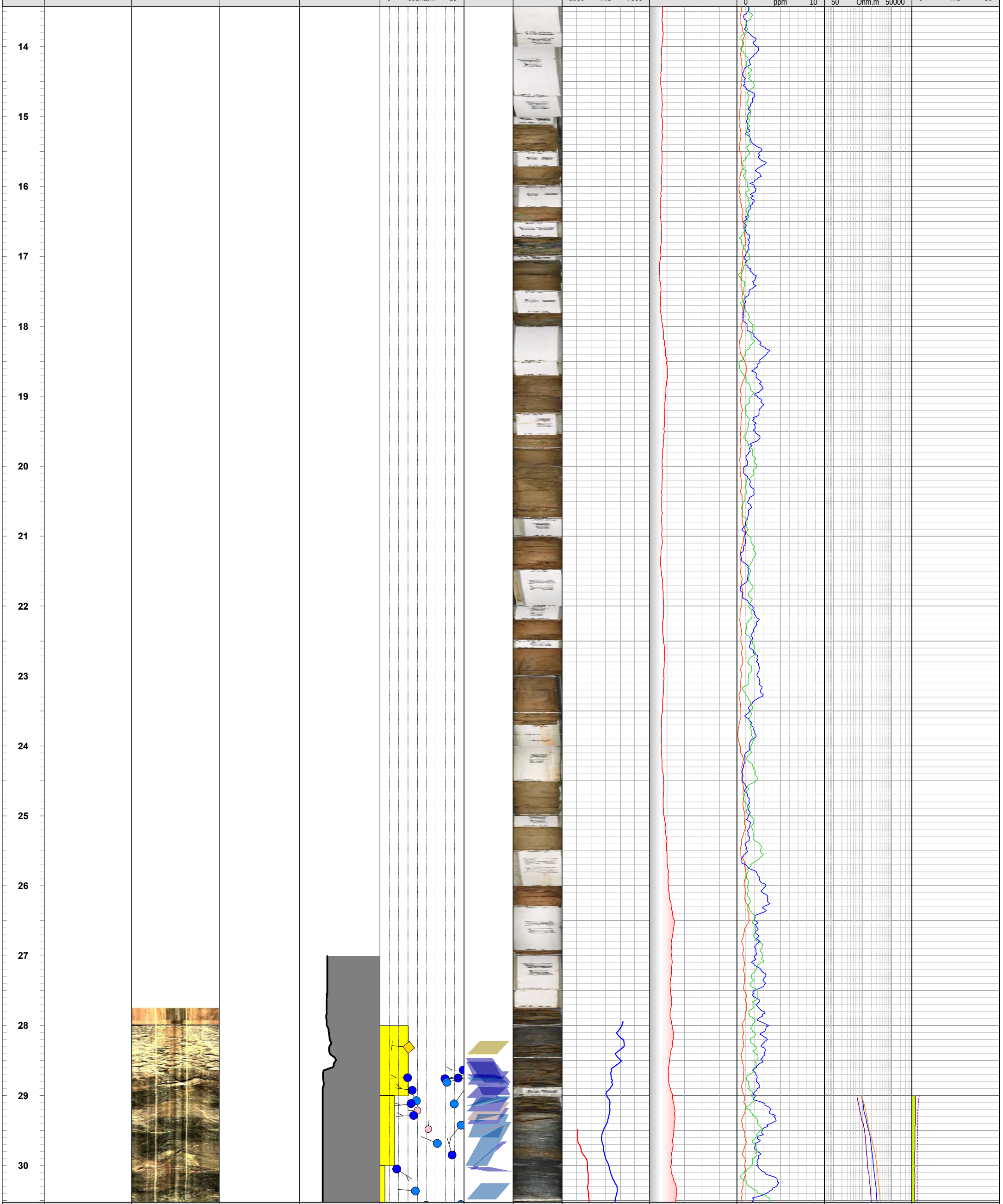
Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs	Electrical Logs	
Depth	Amplitude-HS HPF	Image-HS PROC	Reflectivity	CAL	Structures - TN Freq/metre	3D ATV	Core	Vp Vs	GR	K Th U	N16 N32 N8	Ma16 Ma64
1m:50m	0° 90° 180° 270° 0° 500 6000	0° 90° 180° 270° 0°	0 9000	80 mm 160	0 90 0 counts/m 18	-0°		1000 m/s 7000 1000 m/s 7000	0 API 250	0 % 10 0 ppm 20 0 ppm 10	50 Ohm.m 50000 50 Ohm.m 50000 50 Ohm.m 50000	0 ms 50 0 ms 50
Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs	Electrical Logs	

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Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs		Electrical Logs	
Depth	Amplitude-HS HPF	Image-HS PROC	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vp	GR	K	N16	Ma16
1m:50m	500 6000	0° 90° 180° 270° 0°	0 9000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 % 10	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vs		Th	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 20	50 Ohm.m 50000	0 ms 50
										U	N8	
										0 ppm 10	50 Ohm.m 50000	



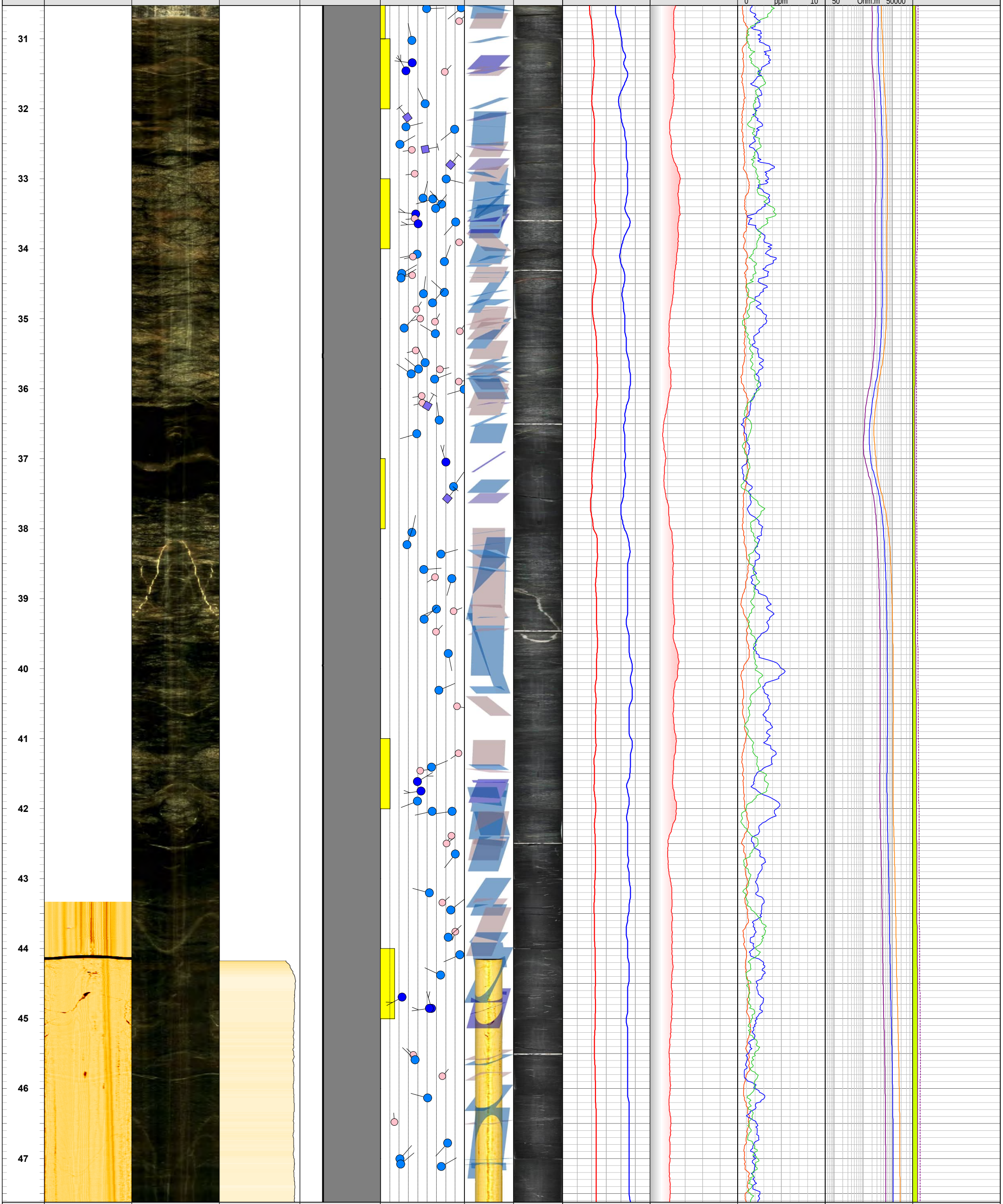
Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs		Electrical Logs	
Depth	Amplitude-HS HPF	Image-HS PROC	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vp	GR	K	N16	Ma16
1m:50m	500 6000	0° 90° 180° 270° 0°	0 9000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 % 10	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vs		Th	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 20	50 Ohm.m 50000	0 ms 50
										U	N8	
										0 ppm 10	50 Ohm.m 50000	

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Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs		Electrical Logs	
Depth	Amplitude-HS HPF	Image-HS PROC	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vp	GR	K	N16	Ma16
1m:50m	500 6000	0° 90° 180° 270° 0°	0 9000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 % 10	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vs		Th	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 20	50 Ohm.m 50000	0 ms 50
										U	N8	
										0 ppm 10	50 Ohm.m 50000	



Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs		Electrical Logs	
Depth	Amplitude-HS HPF	Image-HS PROC	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vp	GR	K	N16	Ma16
1m:50m	500 6000	0° 90° 180° 270° 0°	0 9000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 % 10	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vs		Th	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 20	50 Ohm.m 50000	0 ms 50
										U	N8	
										0 ppm 10	50 Ohm.m 50000	

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Depth	Amplitude-HS HPF	Image-HS PROC	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vp	GR	K	N16	Ma16
1m:50m	500 6000	0° 90° 180° 270° 0°	0 9000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 % 10	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vs		Th	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 20	50 Ohm.m 50000	0 ms 50
										U	N8	
										0 ppm 10	50 Ohm.m 50000	

48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64

Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs		Electrical Logs	
Depth	Amplitude-HS HPF	Image-HS PROC	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vp	GR	K	N16	Ma16
1m:50m	500 6000	0° 90° 180° 270° 0°	0 9000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 % 10	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vs		Th	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 20	50 Ohm.m 50000	0 ms 50
										U	N8	
										0 ppm 10	50 Ohm.m 50000	

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Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs		Electrical Logs	
Depth	Amplitude-HS HPF	Image-HS PROC	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vp	GR	K	N16	Ma16
1m:50m	500 6000	0° 90° 180° 270° 0°	0 9000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 % 10	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vs		Th	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 20	50 Ohm.m 50000	0 ms 50
										U	N8	
										0 ppm 10	50 Ohm.m 50000	

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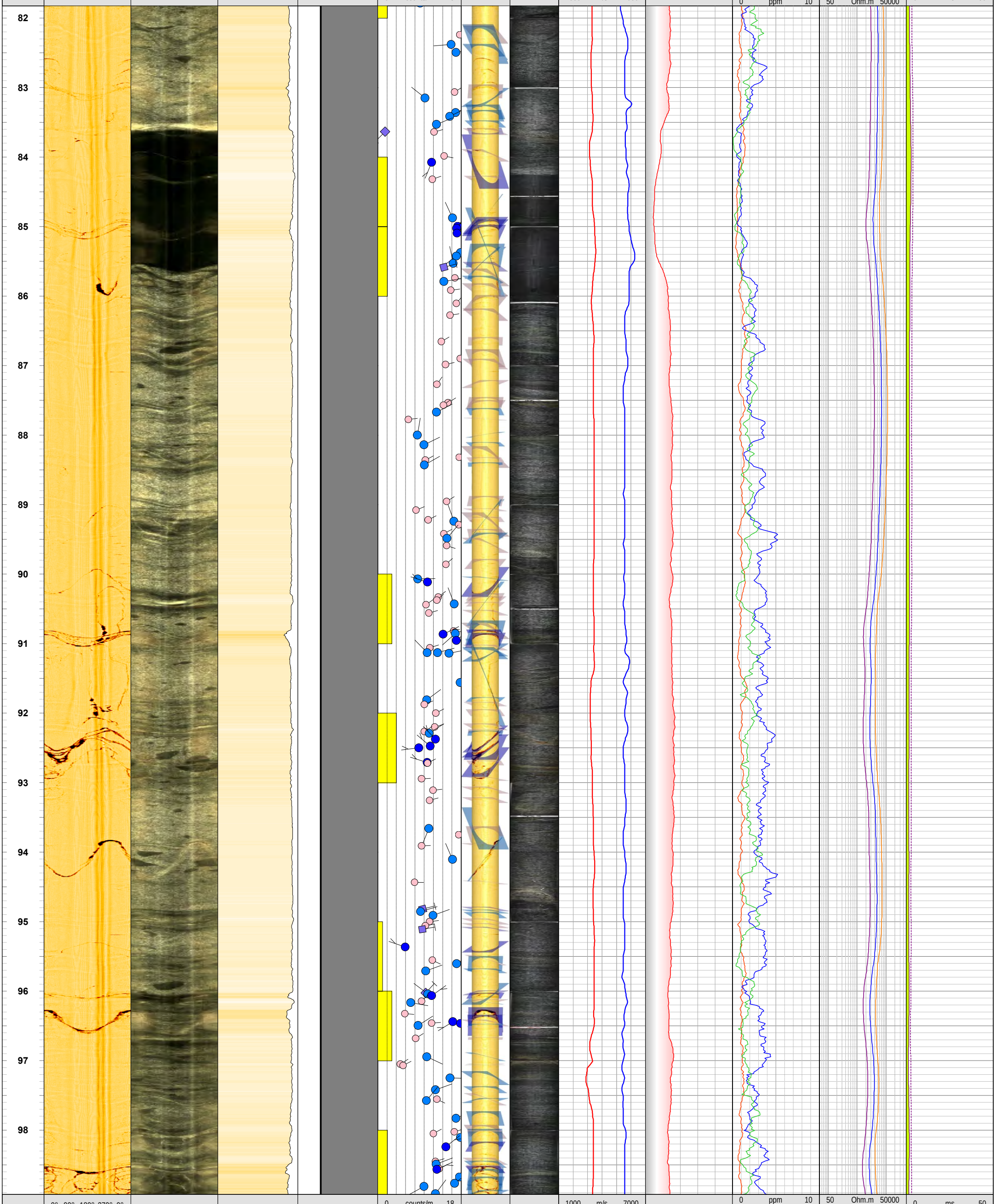
Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs		Electrical Logs	
Depth	Amplitude-HS HPF	Image-HS PROC	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vp	GR	K	N16	Ma16
1m:50m	500 6000	0° 90° 180° 270° 0°	0 9000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 % 10	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vs		Th	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 20	50 Ohm.m 50000	0 ms 50
										U	N8	
										0 ppm 10	50 Ohm.m 50000	

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Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs	Electrical Logs	
Depth	Amplitude-HS HPF	Image-HS PROC	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vp	GR	K / Th / U	N16 / N32 / N8	Ma16 / Ma64
1m:50m	500 – 6000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0 – 9000	80 mm 160	0 – 90 Freq/metre 0 counts/m 18	-0°		1000 m/s 7000 Vs 1000 m/s 7000	0 API 250	K 0 % 10 Th 0 ppm 20 U 0 ppm 10	N16 50 Ohm.m 50000 N32 50 Ohm.m 50000 N8 50 Ohm.m 50000	Ma16 0 ms 50 Ma64 0 ms 50



Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs	Electrical Logs	
Depth	Amplitude-HS HPF	Image-HS PROC	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vp	GR	K / Th / U	N16 / N32 / N8	Ma16 / Ma64
1m:50m	500 – 6000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0 – 9000	80 mm 160	0 – 90 Freq/metre 0 counts/m 18	-0°		1000 m/s 7000 Vs 1000 m/s 7000	0 API 250	K 0 % 10 Th 0 ppm 20 U 0 ppm 10	N16 50 Ohm.m 50000 N32 50 Ohm.m 50000 N8 50 Ohm.m 50000	Ma16 0 ms 50 Ma64 0 ms 50

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Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs		Electrical Logs	
Depth	Amplitude-HS HPF	Image-HS PROC	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vp	GR	K	N16	Ma16
1m:50m	500 6000	0° 90° 180° 270° 0°	0 9000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 % 10	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vs		Th	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 20	50 Ohm.m 50000	0 ms 50
										U	N8	
										0 ppm 10	50 Ohm.m 50000	

99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116

Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs		Electrical Logs	
Depth	Amplitude-HS HPF	Image-HS PROC	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vp	GR	K	N16	Ma16
1m:50m	500 6000	0° 90° 180° 270° 0°	0 9000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 % 10	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vs		Th	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 20	50 Ohm.m 50000	0 ms 50
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										0 ppm 10	50 Ohm.m 50000	
Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs		Electrical Logs	

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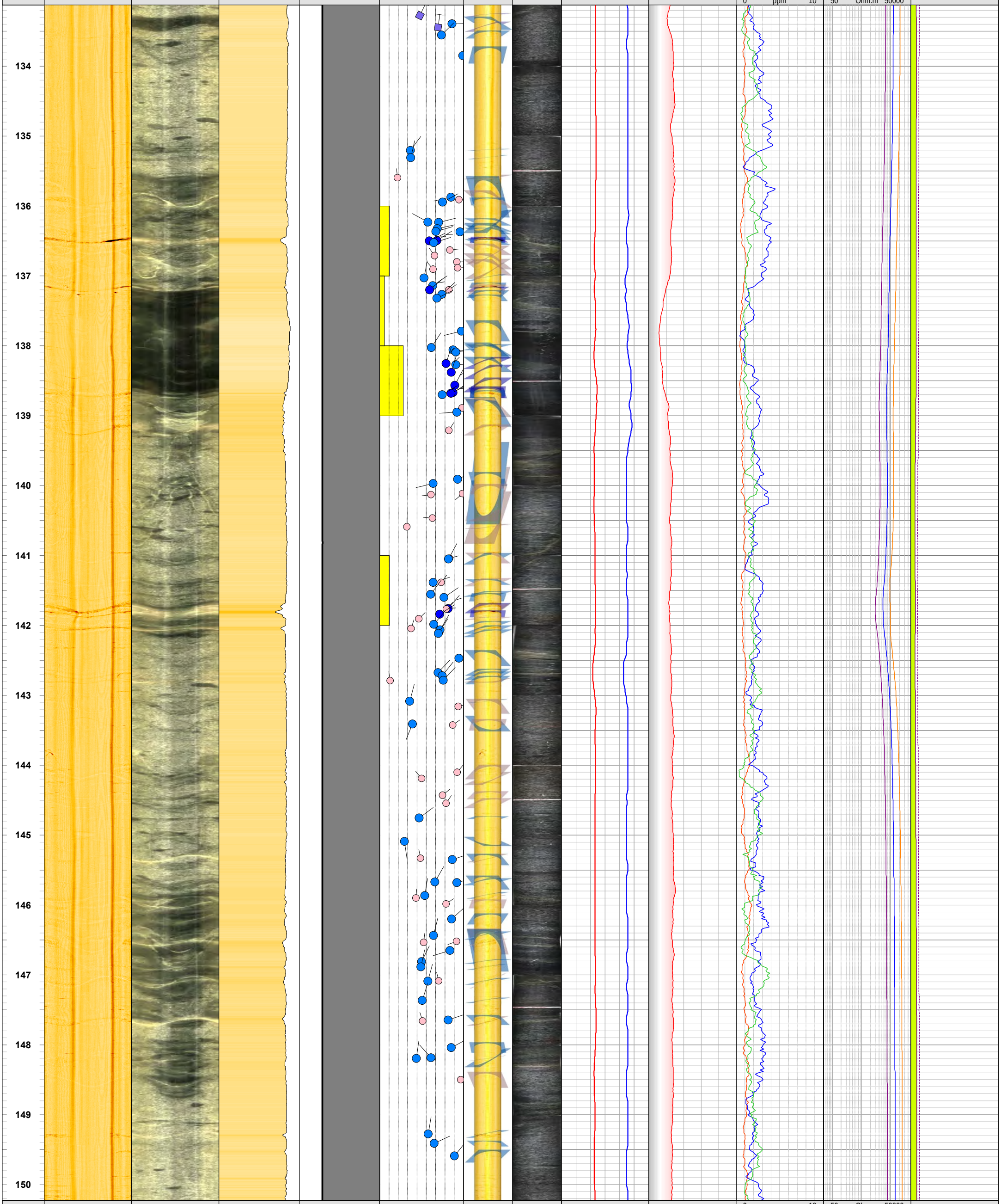
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Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs		Electrical Logs	
Depth	Amplitude-HS HPF	Image-HS PROC	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vp	GR	K	N16	Ma16
1m:50m	500 6000	0° 90° 180° 270° 0°	0 9000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 % 10	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vs		Th	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 20	50 Ohm.m 50000	0 ms 50
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										0 ppm 10	50 Ohm.m 50000	

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Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs		Electrical Logs	
Depth	Amplitude-HS HPF	Image-HS PROC	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vp	GR	K	N16	Ma16
1m:50m	500 6000	0° 90° 180° 270° 0°	0 9000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 % 10	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vs		Th	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 20	50 Ohm.m 50000	
										U	N8	
										0 ppm 10	50 Ohm.m 50000	



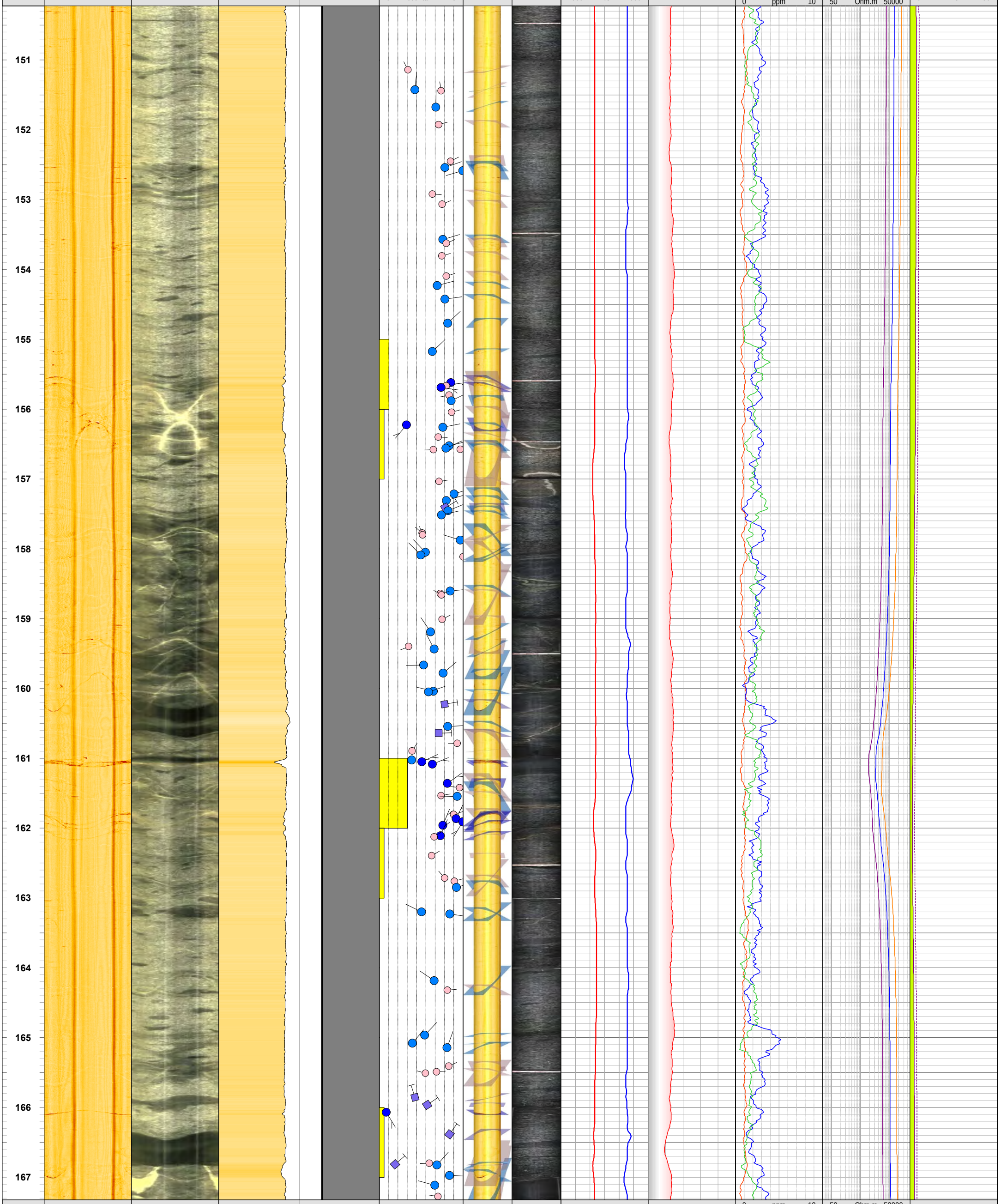
Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs		Electrical Logs	
Depth	Amplitude-HS HPF	Image-HS PROC	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vp	GR	K	N16	Ma16
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	0° 90° 180° 270° 0°				Freq/metre			Vs		Th	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 20	50 Ohm.m 50000	
										U	N8	
										0 ppm 10	50 Ohm.m 50000	

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Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs		Electrical Logs	
Depth	Amplitude-HS HPF	Image-HS PROC	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vp	GR	K	N16	Ma16
1m:50m	500 6000	0° 90° 180° 270° 0°	0 9000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 % 10	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vs		Th	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 20	50 Ohm.m 50000	0 ms 50
										U	N8	
										0 ppm 10	50 Ohm.m 50000	



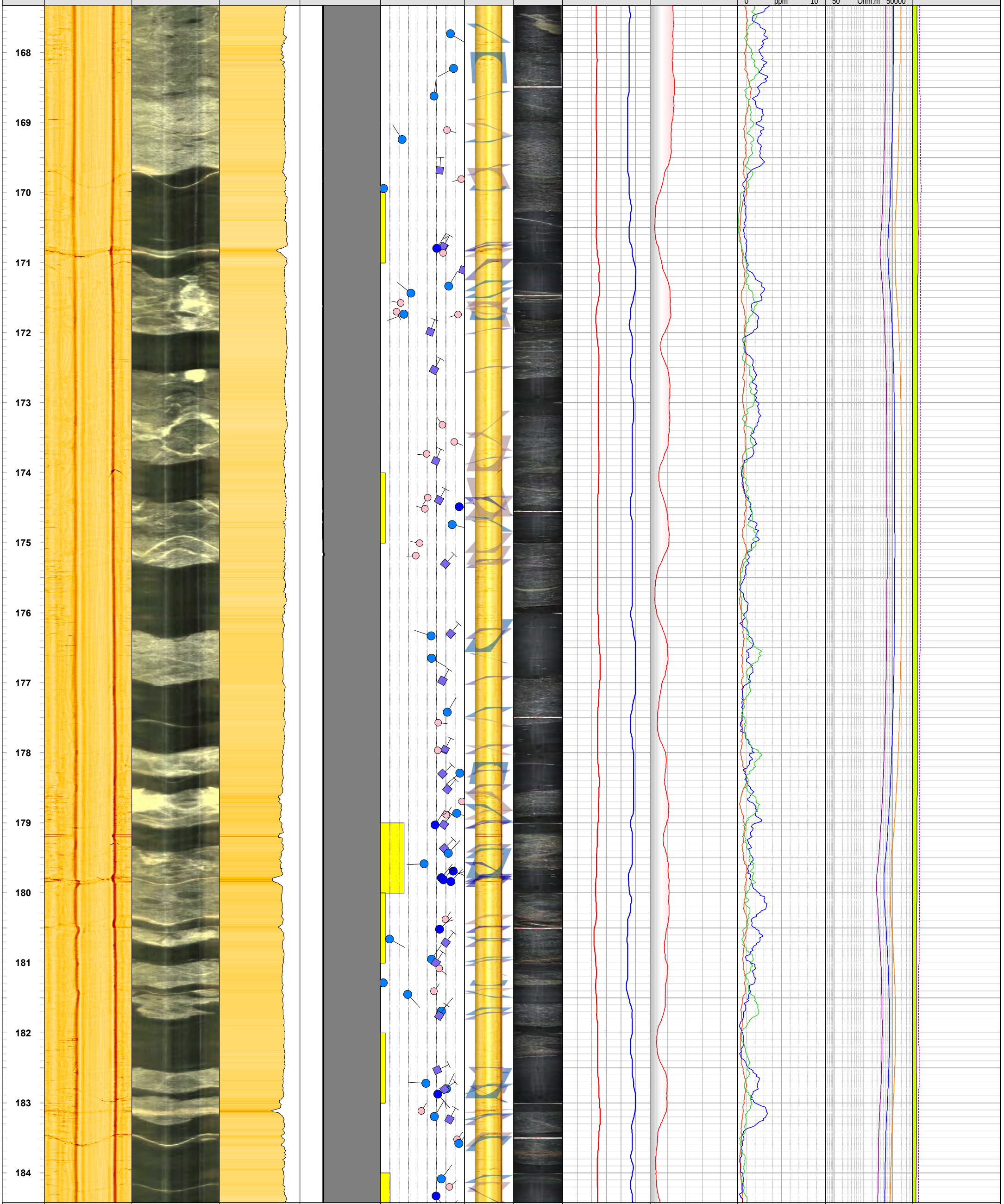
Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs		Electrical Logs	
Depth	Amplitude-HS HPF	Image-HS PROC	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vp	GR	K	N16	Ma16
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	0° 90° 180° 270° 0°				Freq/metre			Vs		Th	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 20	50 Ohm.m 50000	0 ms 50
										U	N8	
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Depth	Amplitude-HS HPF	Image-HS PROC	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vp	GR	K	N16	Ma16
1m:50m	500 6000	0° 90° 180° 270° 0°	0 9000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 % 10	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vs		Th	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 20	50 Ohm.m 50000	
										U	N8	
										0 ppm 10	50 Ohm.m 50000	



Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs		Electrical Logs	
Depth	Amplitude-HS HPF	Image-HS PROC	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vp	GR	K	N16	Ma16
1m:50m	500 6000	0° 90° 180° 270° 0°	0 9000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 % 10	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vs		Th	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 20	50 Ohm.m 50000	
										U	N8	
										0 ppm 10	50 Ohm.m 50000	

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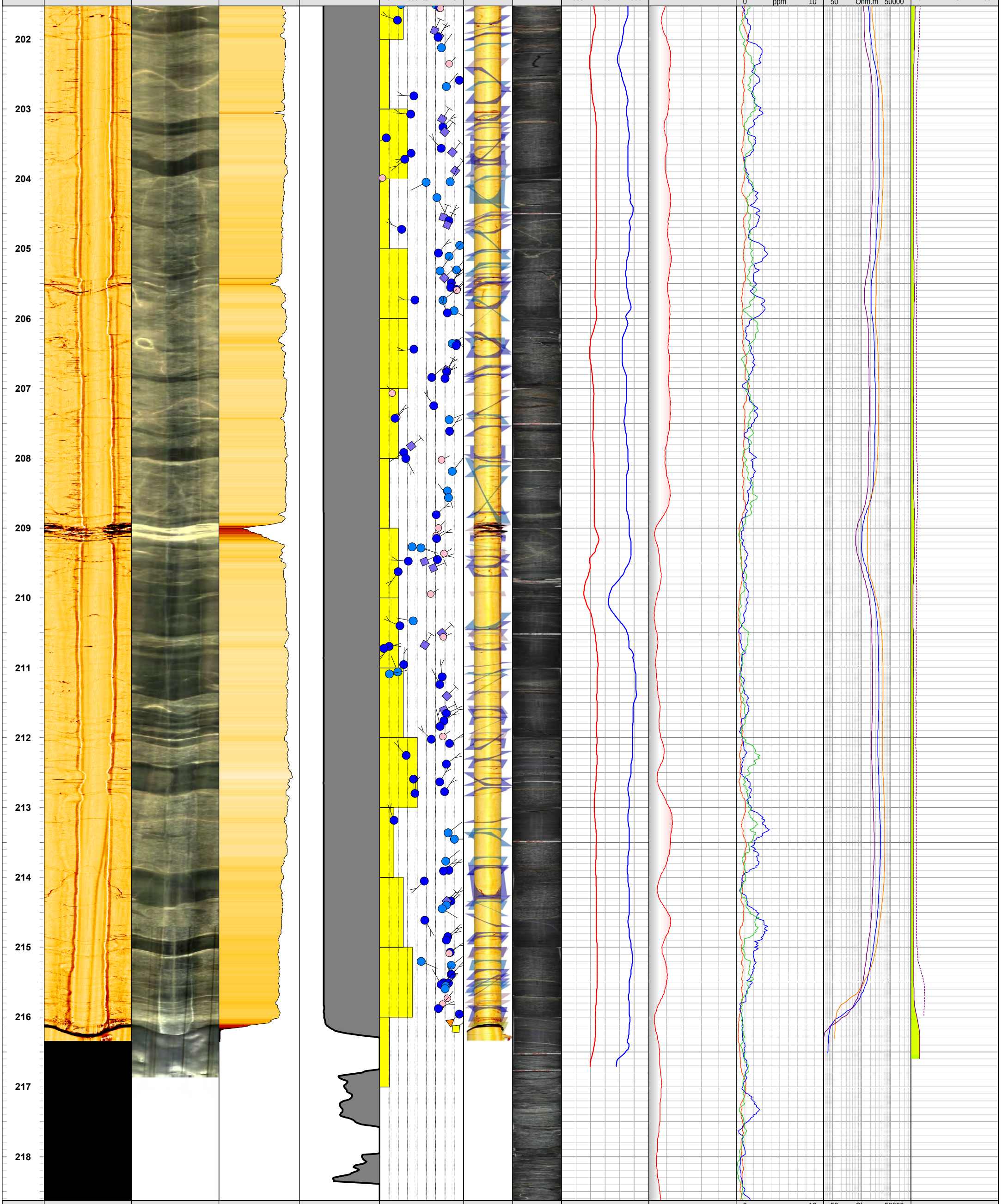
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Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs		Electrical Logs	
Depth	Amplitude-HS HPF	Image-HS PROC	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vp	GR	K	N16	Ma16
1m:50m	500 6000	0° 90° 180° 270° 0°	0 9000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 % 10	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vs		Th	N32	Ma64
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Depth	Amplitude-HS HPF	Image-HS PROC	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vp	GR	K	N16	Ma16
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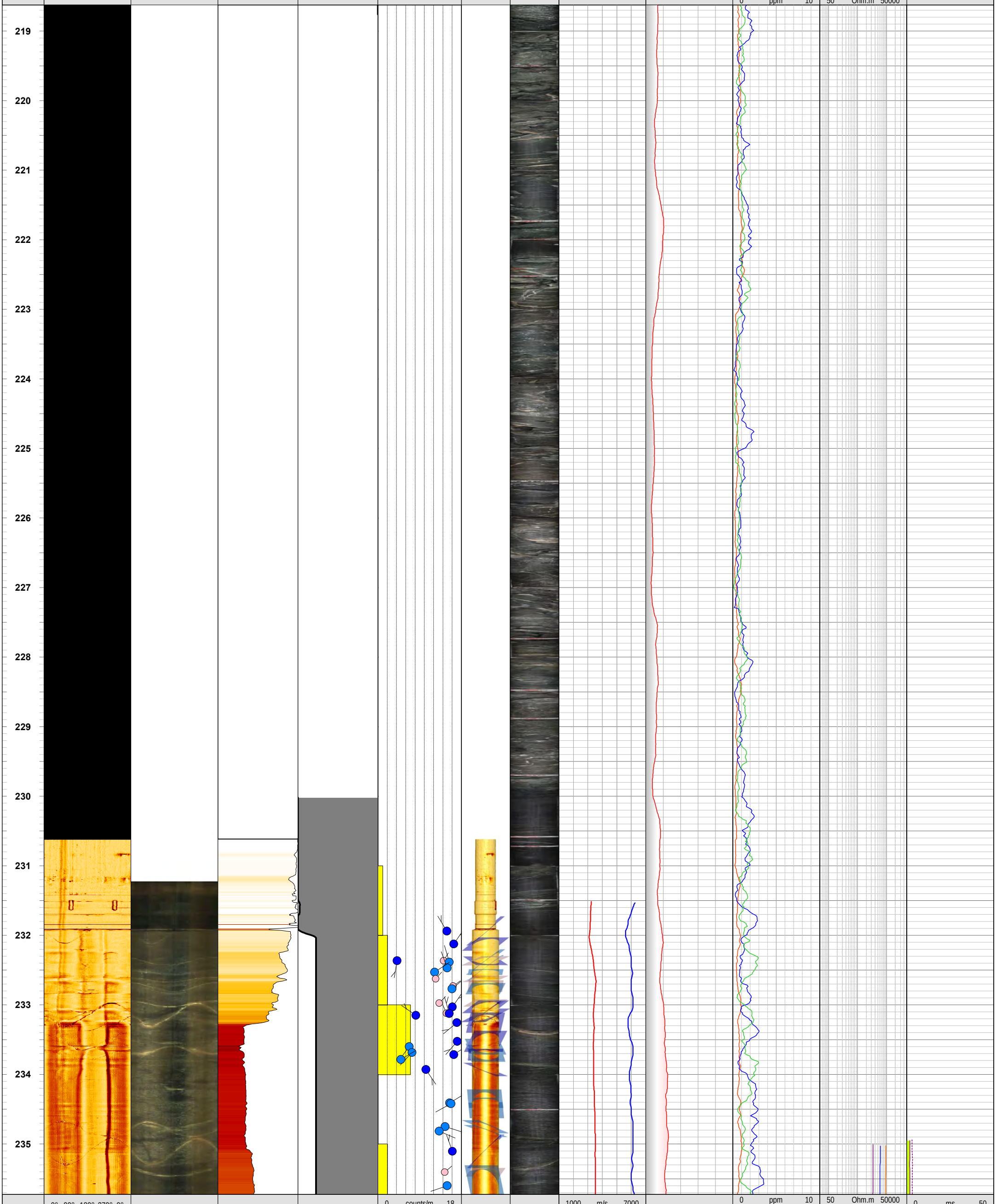
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	0° 90° 180° 270° 0°				Freq/metre			Vs		Th	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 20	50 Ohm.m 50000	0 ms 50
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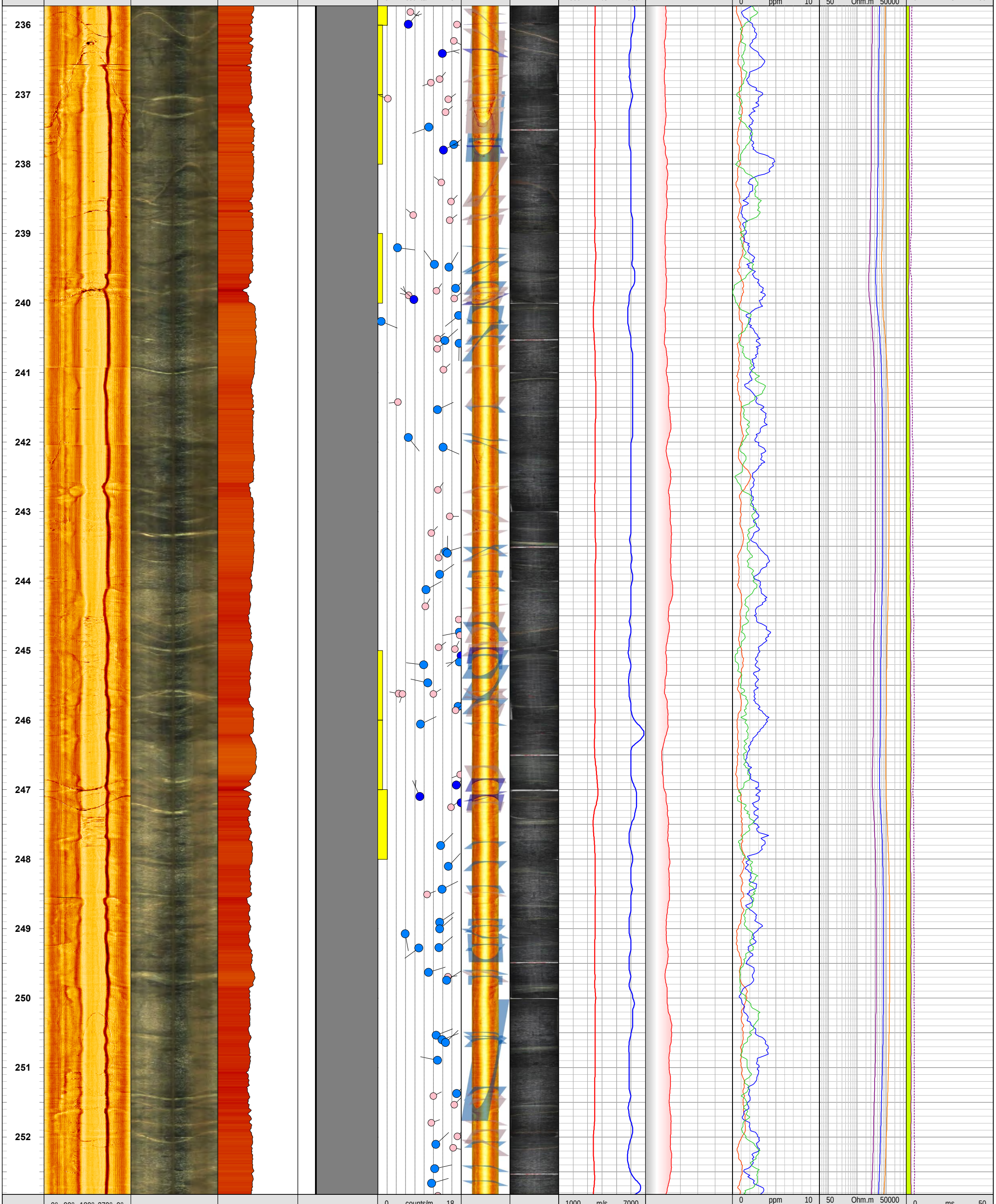
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1m:50m	500 6000	0° 90° 180° 270° 0°	0 9000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 % 10	50 Ohm.m 50000	0 ms 50
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	0° 90° 180° 270° 0°				Freq/metre			Vs		Th	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 20	50 Ohm.m 50000	0 ms 50
										U	N8	
										0 ppm 10	50 Ohm.m 50000	

253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269

Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs		Electrical Logs	
Depth	Amplitude-HS HPF	Image-HS PROC	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vp	GR	K	N16	Ma16
1m:50m	500 6000	0° 90° 180° 270° 0°	0 9000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 % 10	50 Ohm.m 50000	0 ms 50
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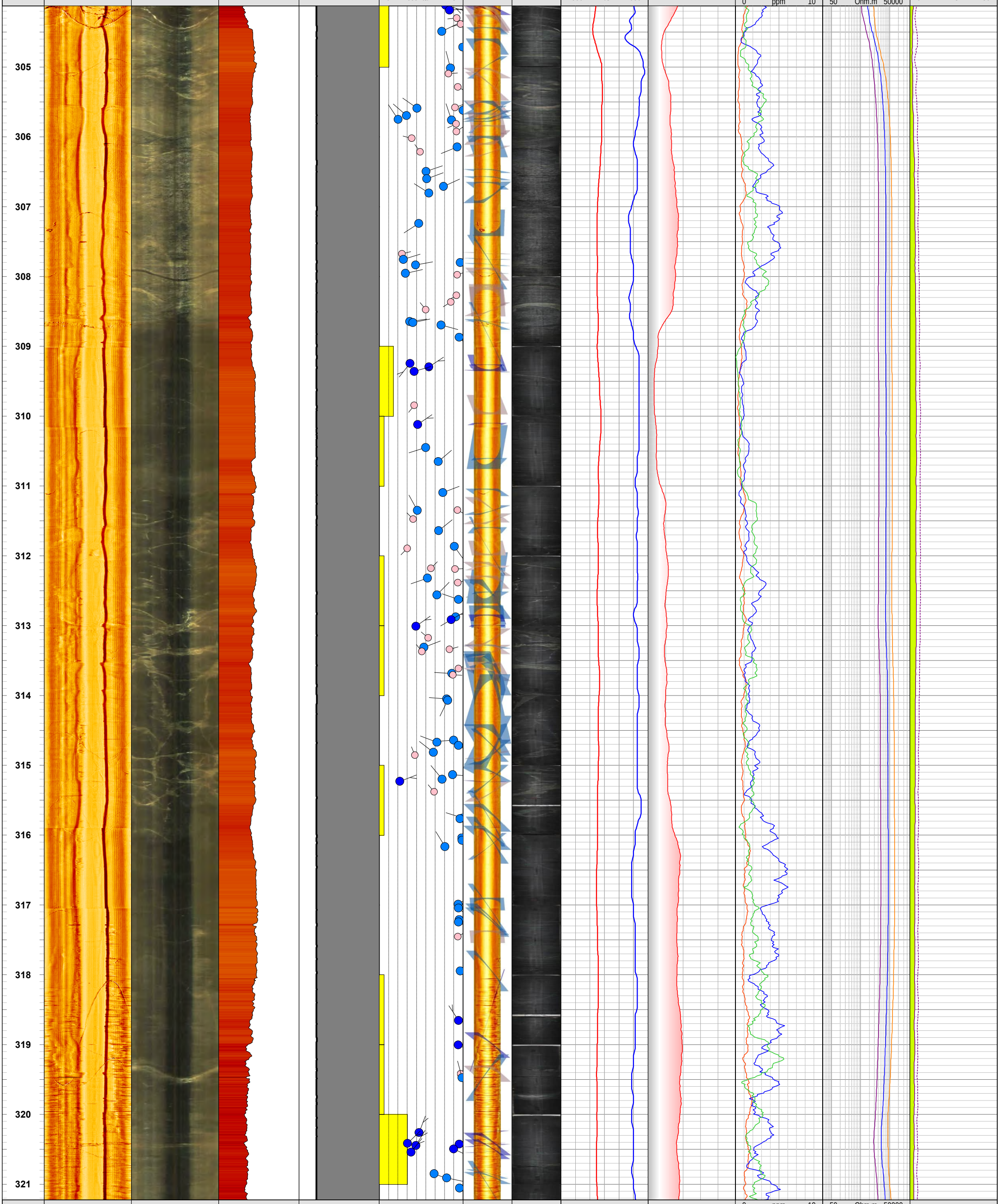
Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs	Electrical Logs	
Depth	Amplitude-HS HPF	Image-HS PROC	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vp	GR	K	N16
1m:50m	500 6000		0 9000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 % 10	50 Ohm.m 50000
	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°			Freq/metre			Vs		Th	N32
					0 counts/m 18			1000 m/s 7000		0 ppm 20	50 Ohm.m 50000
										U	N8
										0 ppm 10	50 Ohm.m 50000

N16	Ma16
50 Ohm.m 50000	0 ms 50
N32	Ma64
50 Ohm.m 50000	0 ms 50
N8	
50 Ohm.m 50000	

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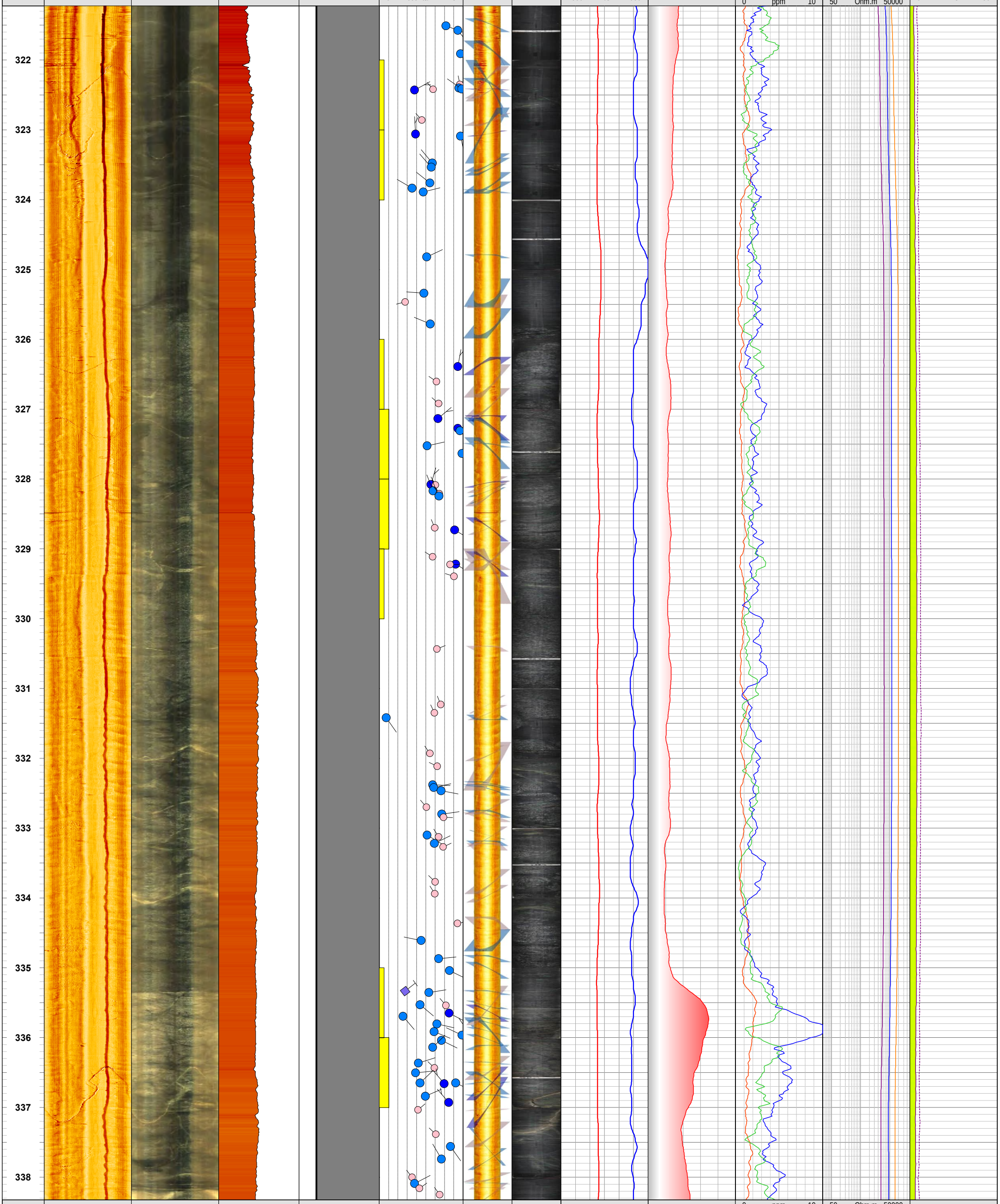
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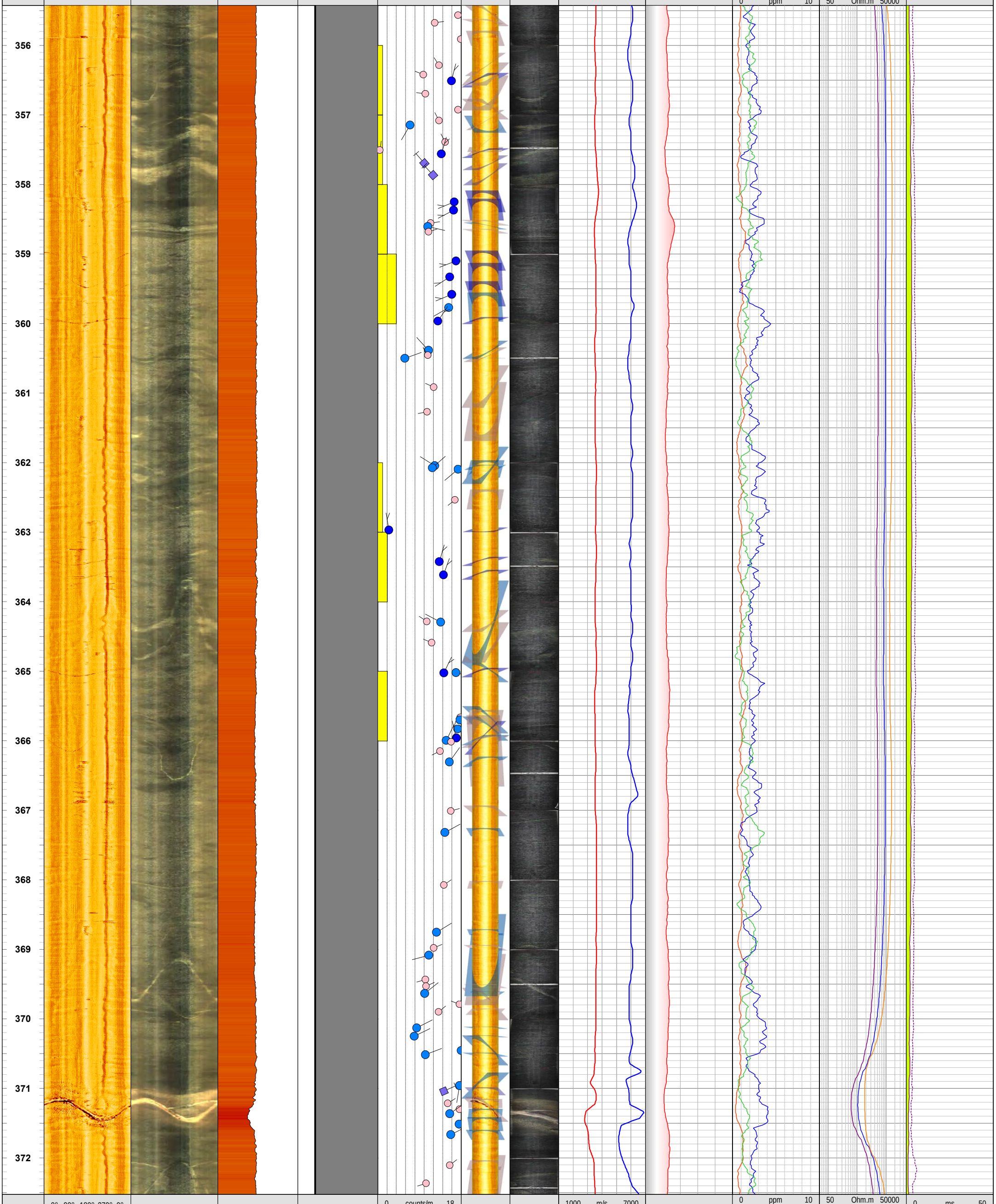
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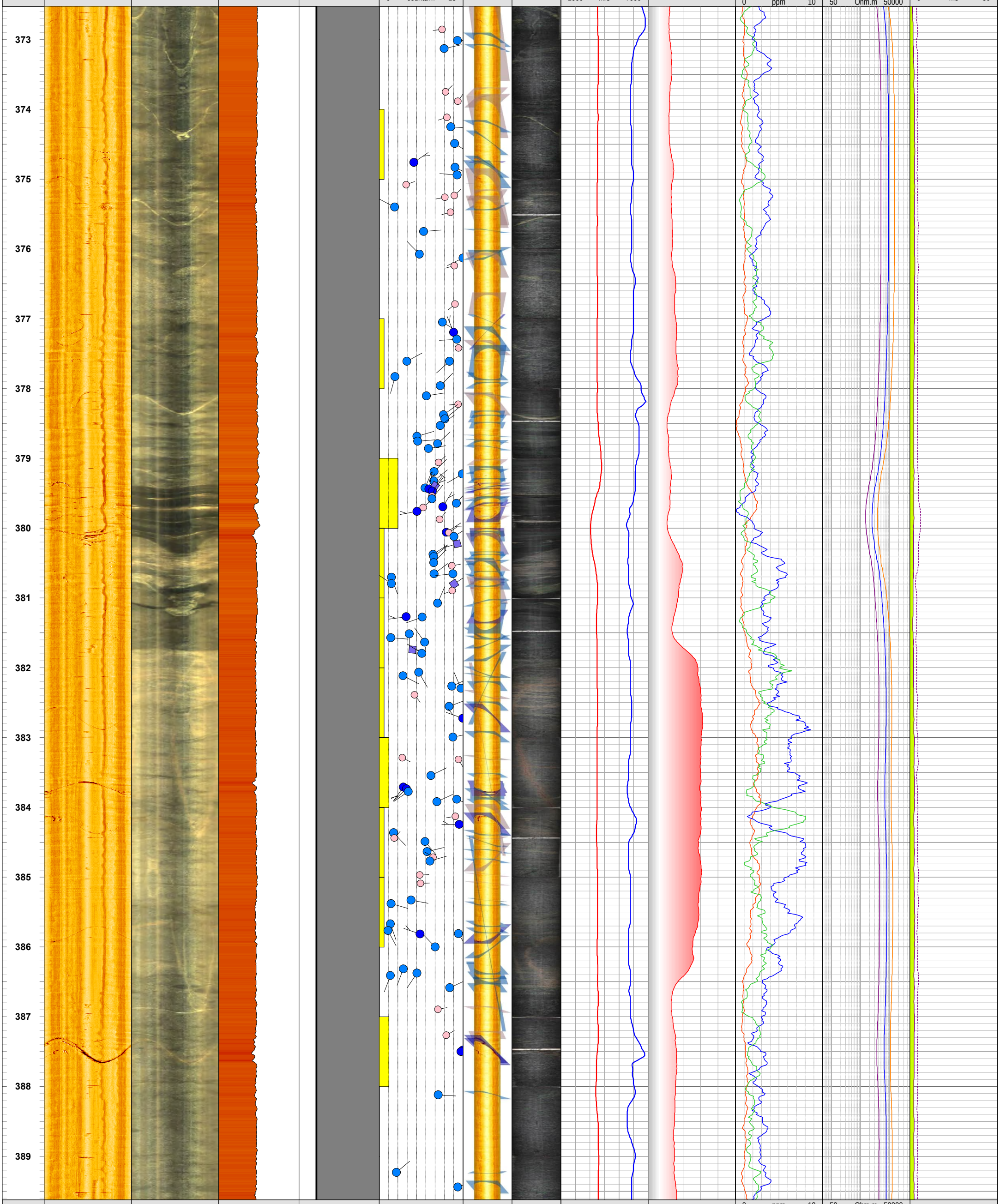
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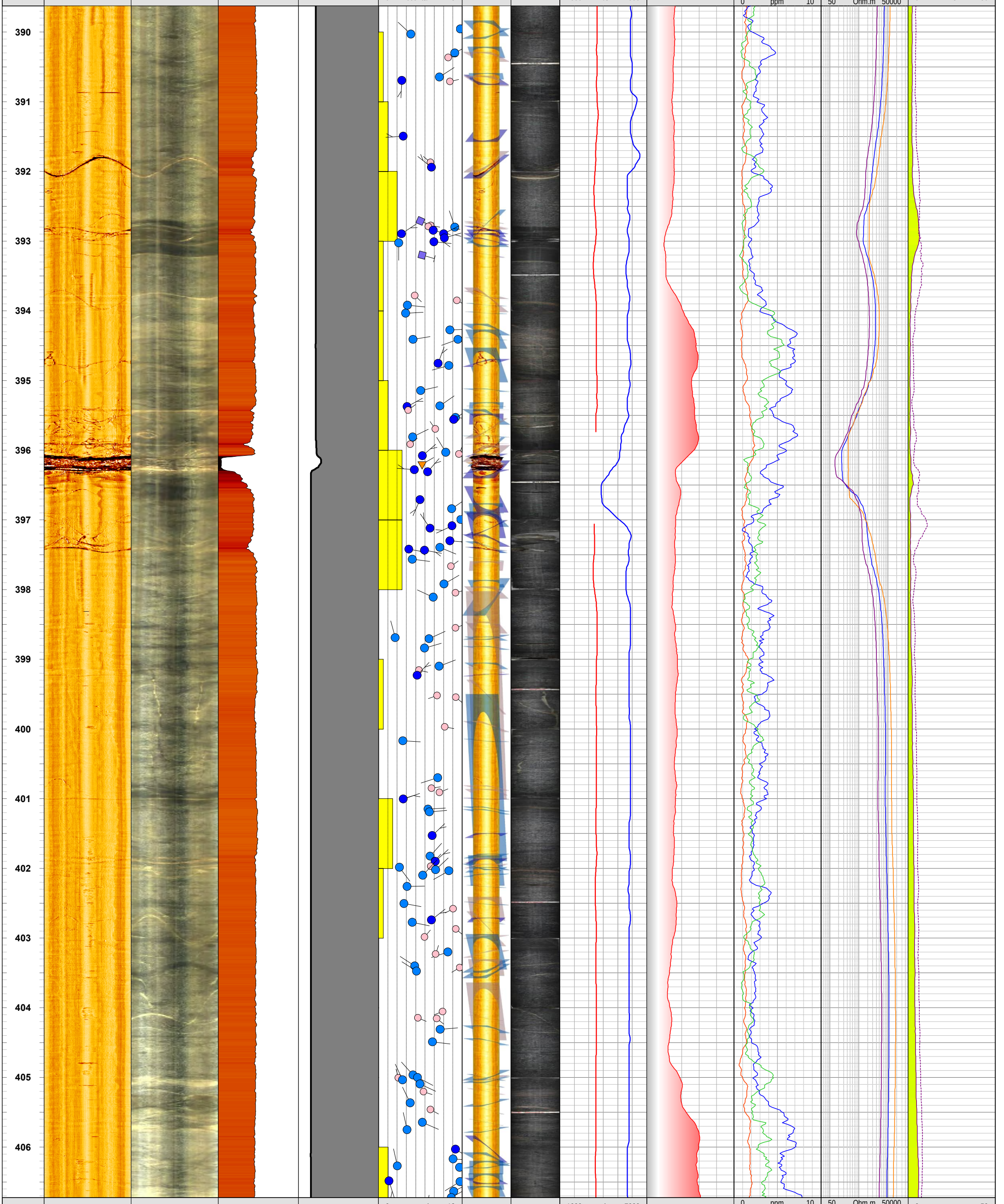
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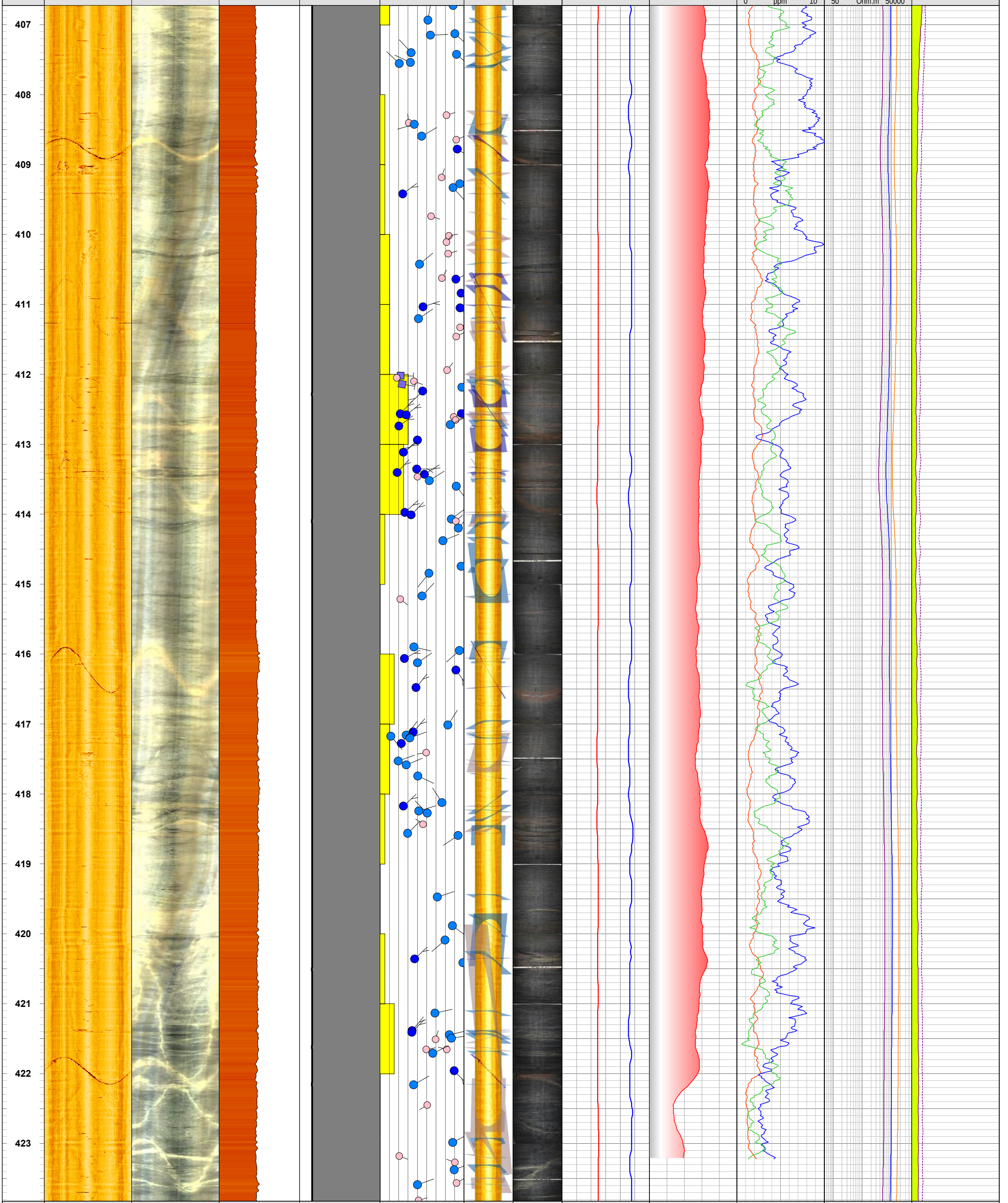
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425
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