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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir		
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Sheet	1 of 91
Client:	Queensland Hydro	Surface RL:	883.24 m AHD		
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Date Started:	27/6/2024
			LF160	Date Completed:	16/10/2024
		Inclination:	-84° ~~-86°~~ Direction: 198° ~~192°~~	Logged:	DG/LB/LB/HF/MFR/P

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	F	Groundwater Not Encountered	0	883.24				ML-MH	Sandy Clayey SILT: medium to high plasticity, pale-brown, clay is medium to high plasticity; sand is fine grained.	w<PL	S - F	RESIDUAL SOIL 0.00-4.25: Groundwater Not Encountered RESIDUAL SOIL
				1.00								
	E-F		1	882.24				MH	Clayey SILT: medium to high plasticity, pale orange, clay is medium to high plasticity.	w<PL	F - St	
				3.00								
	F-H		3	880.25				MH	Sandy Clayey SILT: medium to high plasticity, red-brown, clay is medium to high plasticity; sand is fine grained.	W - M	F - St	
				4.00								
	F		4	879.25				SC	Clayey SAND: medium grained, red brown, clay is medium to high plasticity; with fine to medium grained gravel; with medium to high plasticity silt.	W - M	MD	
				4.25					Continued as Cored Borehole			
			5									
			6									
			7									
			8									
			9									
			10									

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Date 4/12/2024

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir		
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Sheet	2 OF 91
Client:	Queensland Hydro	Surface RL:	883.24 m AHD		
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Date Started:	27/6/2024
			LF160	Date Completed:	16/10/2024
		Inclination:	-86° Direction: 192°	Logged:	DG/LB/LB/HF/MFR/P

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 20 H 60 VH 200 EH		10 30 100 300 1000 3000
				1							
				2							
				3							
				4	4.25		Continuation from non-cored borehole				
PQ3	Groundwater Not Observed	67	0	5	879.00		SC Gravelly Clayey SAND: fine to medium grained, dark brown, clay is medium to high plasticity; gravel is medium to coarse grained; trace medium to high plasticity silt; granite trace/fragments, medium dense-dense. loose - medium dense.	RS			
					4.70 878.55		NO CORE 1.40m (4.70-6.10)				
		0	0	6	6.10 877.16		ALTERED GRANITE: fine to medium grained, pale grey mottled, crystalline, massive.	HW			
		75	0		6.50 876.76		Quartz veining present.				
		25	0	7	7.30 875.96		NO CORE 0.30m (7.30-7.60)				
					7.60 7.70 875.56		ALTERED GRANITE: recovered as Silty GRAVEL; coarse, rounded to sub-rounded, pale grey mottled, granite trace/fragments..	XW - HW			
		0	0	8			NO CORE 8.90m (7.70-16.60)				
				9							
		0	0	10							

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir		
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Sheet	3 OF 91
Client:	Queensland Hydro	Surface RL:	883.24 m AHD		
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Date Started:	27/6/2024
			LF160	Date Completed:	16/10/2024
		Inclination:	-86° Direction: 192°	Logged:	DG/LB/LB/HF/MFR/P

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)
PQ3	Groundwater Not Observed	0	0	10			NO CORE 8.90m (7.70-16.60)				
		0	0	11							
		0	0	12							
		0	0	13							
		33	5	14							
		100	91	15							
		100	100	16							
					16.60		SM Silty SAND: fine grained, pale orange.	XW		16.70: J, 5°, clay CT, PR-IR, RF 16.80: J, 15°, clay CT, PR-IR, RF 16.85: J, 5°, or CN-SN, PR, SM-RF 16.86: J, 10°, clay CT, PR-IR, RF 17.04: J, 15°, clay VN, PR, RF 17.15: J, 5°, bk and wh mi VN, PR, RF 17.26: J, 5°, bk and wh mi VN, PR, RF, iron stained surfaces 17.36: J, 50°, bk and wh mi VN, PR, RF, iron stained surfaces	
				17	866.59		MIXED LAMPROPHYRE AND ALTERED GRANITE: slightly to moderately altered with pale yellow/green/pink alteration halos around defects, lamprophyre is fine to medium grained, dark grey to grey with grey phenocrysts, porphyritic, massive; altered granite is medium to coarse grained, grey to white mottled dark grey, crystalline, massive.	SW			
					17.45 865.84		Medium to coarse grained, pale grey mottled with pink.				
				18	17.90 865.40		Fine to medium grained, dark grey mottled.			18.12: J, 45°, CN, PR-UN, SM	
					18.15 865.15		Medium to coarse grained, pink grey mottled.			18.44-18.52: J, 10°, CN, PR-UN, SM	
					18.70						
					18.90 864.40		Fine to medium grained, dark grey mottled. Medium to coarse grained.			19.03: J, 35°, CN, UN-ST, SM-RF 19.32: J, 10°, CN, UN-ST, SM-RF 19.61: J, 10°, CN, UN-ST, SM-RF	
				19							
				20	20.00						

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	4 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Logged:	DG/LB/LB/HF/MFR/P
		LF160			
		Inclination:	-86° Direction: 192°		

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
PQ3	Groundwater Not Observed	100	100	20	863.30		MIXED LAMPROPHYRE AND ALTERED GRANITE: slightly altered, lamprophyre is fine to medium grained, dark grey to grey with grey phenocrysts, porphyritic, massive; altered granite is medium to coarse grained, grey to white mottled dark grey, crystalline, massive.	SW		20.40: J, 20°, CN, UN-ST, SM-RF 20.60: J, 20°, CN, UN-ST, SM-RF	
				21						20.90: J, 20°, CN, UN-ST, SM-RF 21.07: J, 25°, CN, UN-ST, SM-RF 21.20: J, 20°, CN, UN-ST, SM-RF 21.35: J, 5°, CN, UN-ST, SM-RF	
		100	100	22						21.88: J, 35°, CN, UN-ST, SM-RF	
				23						22.60: J, 20°, ST-IR, SM-RF	
										23.74: J, 10°, CN, UN-CU, SM-RF	
				24	*24.00* 859.31		Fine to medium grained, dark grey to dark green, moderately to distinctively altered.				
				25	*25.00* 858.32		Slightly altered, altered halos around healed joints; epidote/chlorite alteration.			24.77: J, 45°, CN, PR-CU, SM-RF 24.81: J, 10°, CN, UN-CU, SM-RF 25.03: J, 30°, rd, or CN-SN, UN-CU, SM-RF	
		100	100		*25.53* 857.79		Pyrite replacement in healed joint/vein.			25.54: J, 30°, CN, UN-CU, SM-RF	
				26	*25.93* *26.05* 857.27		Medium to coarse grained, pink grey mottled, slightly to moderately altered. Fine grained, dark grey to dark green, slightly altered.			26.17: J, 45°, CN, UN-CU, SM-RF 26.34: J, 20°, CN, UN-CU, SM-RF	
					26.55 856.77		Medium to coarse grained, pink grey mottled, slightly to moderately altered.			26.54: J, 45°, CN, PR-CU, SM-RF	
				27	*26.84* 856.48		Fine grained, dark grey to dark green, slightly altered.			26.83: J, 45°, CN, PR-CU, SM-RF 26.88-27.00: AZ, pale gn mi CT-VN, CU-UN-IR 27.03: J, 30°, dark gy CN-SN, PR-UN, RF-SM	
		100	100		*27.30* 856.02		Medium to coarse grained, pink grey mottled, slightly to moderately altered.				
				28	*28.12* 855.21		Fine grained, dark grey to dark green, slightly altered.			28.06: J, 15°, dark gy CN, PR-ST, RF	
					28.40 854.93 *28.60*		Medium to coarse grained, pink grey mottled, slightly to moderately altered.				
					28.80 854.53		Fine grained, dark grey to dark green, slightly altered. Medium to coarse grained, pink grey mottled, slightly to moderately altered.			28.62: J, 10°, dark to pale gy CN-VN, PR-UN, RF 28.65: J, 5°, dark gy and pale br CN-VN, PR-UN, RF 28.91: J, 15°, dark gy and pale gr mi CN, PR-UN-IR, RF	
				29							
					29.80		Fine grained, dark grey to dark green, slightly altered.				
				30	*30.00*						

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	5 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Logged:	DG/LB/LB/HF/MFR/P
		LF160			
		Inclination:	-86° Direction: 192°		

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)
PQ3	Groundwater Not Observed	100	100	30	853.33		MIXED LAMPROPHYRE AND ALTERED GRANITE: slightly to moderately altered, lamprophyre is fine to medium grained, dark grey to grey with grey phenocrysts, porphyritic, massive; altered granite is medium to coarse grained, grey to white mottled dark grey, crystalline, massive.	SW	VL L M H VH EH	29.92: J, 25°, wh, dark gy and pale gn mi CN, PR-UN, RF	10 30 100 300 1000 3000
		100	97	31							
				32	32.00 851.34		Fine grained, dark grey to dark green, slightly to moderately altered.			32.50: J, 15°, dark gy and pale gy mi CN-SN, PR-UN-ST, RF 32.83: J, 20°, dark gy mi CN-SN, PR-UN, RF 32.94: J, 5°, dark gy mi CN, PR, VR-RF	
				33	33.05 850.29		Slightly altered.			33.14: J, 45°, dark gy and dark rd mi CN-SN, PR-UN, RF	
		100	94	34	33.35 849.99		Medium to coarse grained, pink grey mottled, moderately to distinctively altered.			33.60: J, 35°, dark gy mi CN, PR-ST, RF 33.85: J, 75°, dark gy and pale or, rd mi CN, PR-UN, RF-SM 33.86: J, 40°, dark gy mi CN, PR-UN, RF 34.28: J, 25°, dark gy CN, PR, RF-SM 34.44: J, 10°, dark gy mi CN, PR, RF 34.61: J, 5°, wh, yl mi pyrite infill CN-SN, PR, SM-RF	
				35	35.28 848.07		35.35m: leucocratic intrusion/inclusion, slightly to moderately altered.	FR		35.25: J, 50°, dark gy and pale gy/br mi CN-SN, PR-UN, RF 35.36: J, 45°, dark gy and pale gn CN-SN, PR-UN, RF-SM 35.39: J, 30°, dark gy mi pyrite infill CN-SN, PR-UN, RF-SM 35.49: J, 35°, dark gy mi pyrite infill CN-SN, UN-PR, RF 36.10: J, 10°, dark gy, pale gn/br and wh mi CN, PR-UN, RF 36.42-36.53: AZ, pale gn mi VN-CT, CU-UN-IR	
		100	100	36							
				37	37.00 846.35		Fine grained, dark grey to dark green, slightly altered.			36.83: J, 50°, dark gy mi CN, CU-UN-IR, RF 37.65: J, 5°, wh, pale pk and dark gy mi CN, PR-ST, RF	
				38							
				39						39.13: J, 30°, dark gy mi CN-SN, UN-PR, RF	
		100	100	40	40.00						

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir		
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Sheet	6 OF 91
Client:	Queensland Hydro	Surface RL:	883.24 m AHD		
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Date Started:	27/6/2024
			LF160	Date Completed:	16/10/2024
		Inclination:	-86° Direction: 192°	Logged:	DG/LB/LB/HF/MFR/P

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)
PQ3	Groundwater Not Observed	100	100	40	843.36		MIXED LAMPROPHYRE AND ALTERED GRANITE: slightly altered, lamprophyre is fine to medium grained, dark grey to grey with grey phenocrysts, porphyritic, massive; altered granite is medium to coarse grained, grey to white mottled dark grey, crystalline, massive.	FR			
				41						41.06: J, 55°, dark gy mi CN, PR-UN, RF	
				42							
					42.60 840.77		Pyrite mineralisation within healed joints; possible secondary replacement from phylic alteration. associated with quartz, slightly to moderately altered.			42.58-42.72: AZ, pale gn mi VN-CT, CU-UN-IR	
					43.00 840.37		Altered halos around healed joints, pale gr and pale brown.				
		100	100	43							
				44						44.44: J, 60°, dark gy mi CN-SN, PR-UN, RF	
										44.72: J, 50°, dark gy and pale gn mi CN-SN, PR-UN, RF	
				45							
					46.00 837.38		Fine to medium grained, dark grey to dark green, moderately altered granite, pale green/yellow orange alteration.			46.05: J, 25°, gn and wh CN-SN, PR, SM-RF	
		100	100	46							
				47						47.27: J, 25°, wh, gn mi SN, PR-UN, RF-SM	
				48						46.09-50.00: J, 50°, CN, PR-CU, RF-SM	
					48.40 834.99		GM Silty GRAVEL: coarse, sub-rounded to sub-angular, red brown, trace medium to coarse grained sand; Fragment of rock on Shear. very loose - loose.	HW to XW		48.40-48.43: J x2, 0 - 10°, clay CT, IR, RF 48.44-48.54: J, 85°, clay CT, PR, RF 48.55-48.70: FZ, clay CT, IR, RF, multiple defects, various angles, 0-30mm spacing	
		100	75		*48.68* 834.71		MIXED LAMPROPHYRE AND ALTERED GRANITE: slightly altered, lamprophyre is fine to medium grained, dark grey to grey with grey phenocrysts, porphyritic, massive; altered granite is medium to coarse grained, grey to white mottled dark grey, crystalline, massive.	FR			
				49						49.05: J, 30°, bk mi CN, PR, RF-SM 49.18: J, 20°, bk mi CN, PR, RF-SM 49.33: J, 5°, bk and whi mi CN, PR, RF 49.39: J, 65°, bk and whi mi CN, PR, RF 49.46: J, 45°, bk and whi mi CN, PR, RF	
		100	74								
				50							

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	7 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Logged:	DG/LB/LB/HF/MFR/P
		LF160			
		Inclination:	-86° Direction: 192°		

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)
PQ3	Groundwater Not Observed	100	74	50			MIXED LAMPROPHYRE AND ALTERED GRANITE: slightly altered, lamprophyre is fine to medium grained, dark grey to grey with grey phenocrysts, porphyritic, massive; altered granite is medium to coarse grained, grey to white mottled dark grey, crystalline, massive.	FR	VL -2 L -6 M -20 H -60 VH -200 EH		10 30 100 300 1000 3000
				51	*51.05* 832.35		Highly to moderately altered, pale blue/green alteration.				
					51.70 831.70						
		100	100	52	831.60		BASALT: fine to medium grained, dark grey, crystalline, massive, slightly altered to fresh. Porphyritic texture.			51.75: J, 30°, CN, UN-ST, RF-SM-PO 52.12: J, 25°, wh, PR, RF-SM 52.00-52.50: J, 85°, wh, PR, RF-SM	
					52.60 830.80		GRANITE: fine to medium grained, pale grey mottled, crystalline, massive, slightly to moderately altered with ocassional pale yellow alteration halos around defects.				
				53	*53.00* 830.40					53.20-53.30: AZ, 35°, gn CT-VN, IR 53.60: J, 18°, rd, iron staining SN, PR-UN, SM-RF	
				54							
					54.80 828.61		LAMPROPHYRE: fine to medium grained, green pale, porphyritic, massive, slightly to moderately altered with pale yellow alteration halos around defects.			54.74: J, 40°, gn, UN-ST-CU, RF-PO	
		100	100	55						55.00-55.30: AZ, 35°, pale gn mi chlorite and epidote CT, IR 55.58: J, 45°, ST-IR, RF-PO	
				56							
				57							
					57.50 825.92		Granite sections moderately altered.			57.25-57.35: IS, 45°, wh, pale gn, IR 57.64: J, 45°, rd - Iron staining SN, UN-PR, RF-PO-SM	
				58							
		100	100							58.49: J, 45°, UN-PR, RF-SM	
				59						59.55: J, 45°, UN-PR, RF-PO-SM	
				60	*60.00*						

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	8 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear LF160	Logged:	DG/LB/LB/HF/MFR/P
		Inclination:	-86° Direction: 192°		

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
PQ3	Groundwater Not Observed	100	100	60	823.42		LAMPROPHYRE: fine to medium grained, green pale, porphyritic, massive, granite sections moderately altered.	FR		60.10-60.18: J, 10°, UN-PR, RF-PO-SM	
				61	61.20						
					61.50						
		100	100		821.93		GRANITE: fine to medium grained, pale green, layered, massive, slightly to moderately altered.			61.65-62.30: AZ, gn yl mi CT-VN, IR	
				62							
				63						63.00-63.90: AZ, gn mi CT-VN, IR	
					64.00						
		100	100	64	819.44		Medium to coarse grained, dark green mottled, crystalline, massive, slightly altered.			64.25: J, 30°, UN-ST, SM-RF-PO	
				65						65.32: J, 30°, PR, RF-SM	
				66							
					66.50						
		100	100		816.94		Moderately altered.			67.80: J, 45°, CN, UN-ST, RF	
				67							
				68						68.38-68.42: J, 20°, dk gy and bk CN, PR, RF 68.25-68.60: IS, 70°, IR 68.65: J, 20°, ST-UN, RF	
				69						69.01-69.06: J, 20°, dk gy CN, PR, RF 69.35: J, 0°, dk gy and red SN, PR-ST, RF	
		100	100								
				70	70.00						

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir		
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Sheet	9 OF 91
Client:	Queensland Hydro	Surface RL:	883.24 m AHD		
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Date Started:	27/6/2024
			LF160	Date Completed:	16/10/2024
		Inclination:	-86° Direction: 192°	Logged:	DG/LB/LB/HF/MFR/P

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
PQ3	Groundwater Not Observed	100	100	70	813.46		GRANITE: medium to coarse grained, dark green mottled, crystalline, massive, slightly to moderately altered granite with mix volcanics/microgranite and ocassional pale yellow alteration halos around defects.	FR		70.32: J, 25°, gn SN, UN-ST, RF	
				71						71.21: J, 20°, gn SN, UN-PR, RF	
				72						71.92: J, 20°, gn SN, ST-IR, RF-SM	
		100	100							72.73: J, 30°, CN, ST-PR, SM	
				73						73.25: J, 10°, ST, RF	
					74.00						
				74	809.47		MICROGRANITE: fine to medium grained, dark grey mottled, crystalline, massive, slightly altered.				
					74.75						
					808.72		GRANITE: medium to coarse grained, dark green mottled, crystalline, mix with microgranite, slightly altered with ocassional pale yellow alteration halos around defects.			74.80-74.84: J, 10°, IR-ST, RF-VR	
		100	100	75						75.63: J, 10°, IR-ST, VR-RF	
				76							
				77						77.20: J, 5°, dark gy and gr mi CN, PR, RF	
										77.69: J, 25°, CN, PR, RF 77.70-77.74: J, 10°, CN, UN-CU, RF-SM	
				78						78.07: J, dk gy mi CN, PR, RF	
					78.50						
					804.98		Fine to medium grained, mottled black and white, crystalline, massive.				
					78.84						
					804.64		Medium to coarse grained, mottled black and white, crystalline, massive.				
		100	100	79							
					80.00						
				80							

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	10 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Logged:	DG/LB/LB/HF/MFR/P
		LF160			
		Inclination:	-86° Direction: 192°		

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)
PQ3	Groundwater Not Observed	100	100	80	803.49		GRANITE: medium to coarse grained, mottled black and white, crystalline, massive, slightly altered.	FR		80.02-80.14: AZ, gn-yl mi CT, IR 80.14: J, 80°, yl SN-VN, UN, RF	
					80.56						
					802.93		LAMPROPHYRE: fine to medium grained, dark grey and white, porphyritic, phenocrysts to 2 mm in diameter, slightly altered.			80.91: J, 20°, CN, PR-ST, RF	
				81	*81.57*						
		100	100		801.92		GRANITE: medium to coarse grained, white mottled dark grey, crystalline, massive.				
					81.81						
					801.68		LAMPROPHYRE: fine to medium grained, dark grey and white, porphyritic, massive, phenocrysts up to 2 mm, slightly altered.				
				82	*83.00*						
		100	100	83	800.50		GRANITE: medium to coarse grained, dark grey, pink and white, crystalline, massive, slightly to moderately altered, pale yellow/orange and pink alteration.				
				84							
				85	*85.30*						
		100	96		798.20		DOLERITE: fine to medium grained, dark grey mottled, crystalline, massive, slightly altered.				
				86	*86.61*						
					796.90		GRANITE: fine to medium grained, mottled black and grey and pale yellow, massive, slightly altered with ocassional altered halos around defects.				
				87	*87.35*						
					796.16		DOLERITE: fine to medium grained, dark grey mottled, crystalline, slightly altered.				
				88	*88.00*						
		100	100		795.51		GRANITE: medium to coarse grained, mottled black and grey and pale yellow, massive, slightly to moderately altered granite with mix volcanics and ocassional pale yellow/green/pink alteration halos around defects.				
				89							
				90	*90.00*						

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir		
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Sheet	11 OF 91
Client:	Queensland Hydro	Surface RL:	883.24 m AHD		
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Date Started:	27/6/2024
			LF160	Date Completed:	16/10/2024
		Inclination:	-86° Direction: 192°	Logged:	DG/LB/LB/HF/MFR/P

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)
PQ3	Groundwater Not Observed	100	100	90	793.52		GRANITE: medium to coarse grained, mottled black and grey and pale yellow, massive, slightly to moderately altered granite with mix volcanics and ocassional pale yellow/green/pink alteration halos around defects.	FR			
				91	91.26						
					792.26		LAMPROPHYRE: fine to medium grained, dark grey and white, porphyritic, massive, phenocrysts up to 2 mm, slightly to moderately altered granite with mix volcanics and ocassional pale yellow/green/pink alteration halos around defects.			91.51: J, 15°, bk SN, RF	
		100	100		91.55						
					791.86		Slightly altered.				
				92	92.22		GRANITE: medium to coarse grained, mottled black and grey and pale yellow, massive, slightly to moderately altered granite with mix volcanics and ocassional pale yellow/green/pink alteration halos around defects.				
					791.30		Pyrite flecks, slightly altered.				
					92.83						
				93	790.70		GRANITE: fine to medium grained, dark grey and white, porphyritic, massive, phenocrysts up to 2 mm, slightly to moderately altered granite with mix volcanics and ocassional pale yellow/green/pink alteration halos around defects.				
					93.71		GRANITE: medium grained, massive, slightly altered.				
		100	100		789.82		GRANITE: fine to medium grained, dark grey and white, porphyritic, massive, phenocrysts up to 2 mm, slightly to moderately altered granite with mix volcanics and ocassional pale yellow/green/pink alteration halos around defects.				
				94							
				95							
				96							
					96.47						
					787.07		GRANITE: medium to coarse grained, mottled black and grey and pale yellow, massive, slightly altered.				
				97							
		100	100		97.74						
					785.80		GRANITE: fine to medium grained, mottled black and white, porphyritic, massive, phenocrysts up to 2 mm, slightly to moderately altered granite with mix volcanics and ocassional pale yellow/green/pink alteration halos around defects.			97.91: J, 25°, dark-pale gr, dk gy and bk SN, IR, RF 98.12: J, 50°, dark-pale gr, dk gy and bk CN, IR, RF	
				98							
				99							
		100	100								
				100	100.00						

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	12 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Logged:	DG/LB/LB/HF/MFR/P
		LF160			
		Inclination:	-86° Direction: 192°		

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 60 200	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
PQ3	Groundwater Not Observed	100	100	100	783.45		LAMPROPHYRE: fine to medium grained, mottled black and white, porphyritic, massive, phenocrysts up to 2 mm, slightly altered.	FR			
							GRANITE: medium to coarse grained, mottled black and grey, massive, slightly to moderately altered granite with mix volcanics and ocassional pale yellow/green/pink alteration halos around defects.			100.81: J, 30°, wh-mi SN, PR, RF	
				101	*101.80*						
					781.75		BASALT: fine to medium grained, pale grey mottled, crystalline, massive, mix volcanic altered with granite.			>> 102.79: J, 45°, CN, IR, RF	
		100	100	102							
				103	*103.80*					103.68: J, 20°, CN, IR, RF	
					779.76		GRANITE: medium to coarse grained, mottled black and grey, massive, slightly to moderately altered granite with mix volcanics and pale yellow/green/pink alteration halos around defects.			103.90-104.06: AZ, pale pink, dark gr and gy CT-VN, CU-IR	
				104						104.48: J, 55°, wh CT, PR-ST, RF-SM 104.55: J, 80°, CN, IR-PR, RF 104.60-104.65: AZ, pale pink, dark gr and gy CT-VN, CU-IR	
		100	90	105							
				106						105.84: J, 20°, wh-mi VN, UN, RF	
										106.47: J, 15°, wh-mi SN, PR, RF	
				107						106.94: J, 70°, yl-gn mi SN, UN, RF 107.03: J, 10°, wh-mi SN, ST, RF 107.18: J, 5°, gr-mi SN, UN, RF 107.20: J, 70°, gr-mi VN, ST, RF 107.27: J, 70°, gn-mi, gravel infill CT, UN, VR 107.22-107.36: AZ, yl-mi CT-VN, CU-IR 107.45: J, wh, gn-mi VN, UN-ST, RF	
				108						107.88: J, 20°, yl-mi SN, UN, RF 108.13: J, 55°, wh, rd-mi CT, PR, VR	
		100	90	109						108.48: J, 65°, rd SN-VN, PR, RF-SM	
				110							

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir		
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Sheet	13 OF 91
Client:	Queensland Hydro	Surface RL:	883.24 m AHD		
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Date Started:	27/6/2024
			LF160	Date Completed:	16/10/2024
		Inclination:	-86° Direction: 192°	Logged:	DG/LB/LB/HF/MFR/P

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)
PQ3	Groundwater Not Observed	100	90	110	111.00		GRANITE: medium to coarse grained, mottled black and grey, massive, slightly to moderately altered granite with mix volcanics and pale yellow/green/pink alteration halos around defects.	FR		110.02: J, 30°, CN, PR, RF 110.10: J, 70°, CN, PR, RF 110.11: J, 35°, CN, PR, RF 110.39: J, 45°, CN, PR, RF-SM 110.54: J, 40°, CN, PR-UN, RF-SM 110.73: J, 30°, CN, PR, RF 110.75: J, 75°, rd VN, PR, RF-SM 110.92: J, 25°, rd-wh CT, PR, RF 110.97: J, 35°, rd-wh VN, PR, RF-SM	
				111	772.58		GRANITE: coarse grained, pale grey mottled, crystalline, massive, moderately altered with pale orange/yellow alteration halos around defects.			111.30-111.40: CS, 45°, pale gr and dark gy CN, CU-PL, RF-SM 111.52: CS, 50°, dark rd and gy mi CN, PR-CU, RF 111.59: J, 50°, rd-mi SN, CU, RF 111.75: J, 60°, rd-mi VN, UN, VR 111.92: J, 75°, rd SN, PR, VR 112.04: J, 70°, rd-mi SN, UN, RF	
		100	75	112	112.55						
					771.04		BASALT: fine grained, pale dark green grey, massive, slightly altered.			112.72: J, 40°, wh-mi SN, ST, RF	
				113	113.24						
					770.35		DOLERITE: fine to medium grained, pale dark grey green, massive, slightly to moderately altered.			113.20-113.32: AZ x4, 50°, yl-mi SN, PR 113.44-113.52: CS 113.79: J, 10°, rd-mi SN, PR, RF	
				114						114.12: J, 15°, rd-mi SN, IR, RF 114.13: J, 50°, rd-mi SN, UN, RF 114.26-114.32: J, 5°, CN, IR, VR	
				115	115.56					114.69: J, 60°, wh CT, PR, RF 115.13: J, 10°, CN, IR, RF 115.34: J, 5°, CN, IR, VR 115.45: J, 45°, wh CT, PR, RF	
		100	96		768.04		BASALT: fine grained, dark grey, massive, slightly altered.			115.56: J, 45°, wh CT, UN, RF 115.64: J, 60°, wh CT, PR, RF	
				116	116.07						
					767.53		GRANITE: coarse grained, mottled black and grey and pale yellow, crystalline, massive, slightly altered granite with mix volcanics and pale yellow/green alteration halos around defects.		>>	116.61: J, 5°, br SN, CU, RF	
				117	117.00						
					766.60		DOLERITE: fine grained, pale dark grey green, massive, slightly to moderately altered.			117.51: J, 25°, CN, IR-PR, RF 117.67: J, 60°, CN, PR, SM	
		100	100	118						118.04: J, 20°, SN, PR-ST, RF	
				119						119.13: J, 20°, CN, PR-ST, SM-RF 119.51: J, 25°, CN, IR, RF	
					119.92					119.86: J, 25°, SN, PR, RF	
				120							

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	14 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear LF160	Logged:	DG/LB/LB/HF/MFR/P
		Inclination:	-86° Direction: 192°		

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)
PQ3	Groundwater Not Observed	100	97	120	763.69		GRANITE: coarse grained, mottled black and grey and pale yellow, crystalline, massive, slightly to moderately altered granite with mix volcanics and pale yellow/green alteration halos around defects.	FR	VL .2 L .6 M .20 H .60 VH .200 EH	120.56: J, 55°, CN, PR, SM-RF 121.28: J, 5°, CN, IR, RF 121.29: J, 65°, CN, IR-UN, RF 121.54: J, 10°, CN, PR, RF 121.87: J, 5°, dark rd/gy and wh CN, IR, RF	10 30 100 300 1000 3000
		100	97	124	124.06						
					759.56		GRANITE: fine to medium grained, dark grey and white, porphyritic, massive, phenocrysts up to 2 mm, slightly to moderately altered granite with mix volcanics and pale yellow/green alteration halos around defects.				
		100	100	126	126.28						
					757.35		GRANITE: coarse grained, mottled black and grey and pale yellow, crystalline, massive, slightly altered granite with mix volcanics.			127.52: J, 0°, CN, UN-PR, RF	
		100	100	128						128.81: J, 10°, CN, UN, RF-SM 129.30: J, 20°, CN, PR, SM-RF	
				130							

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir		
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Sheet	15 OF 91
Client:	Queensland Hydro	Surface RL:	883.24 m AHD		
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Date Started:	27/6/2024
			LF160	Date Completed:	16/10/2024
		Inclination:	-86° Direction: 192°	Logged:	DG/LB/LB/HF/MFR/P

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)
PQ3	Groundwater Not Observed	100	100	130			GRANITE: coarse grained, mottled black and grey and pale yellow, crystalline, massive, slightly altered granite with mix volcanics.	FR	VL .2 L .6 M .20 H .60 VH .200 EH	131.71: J, 40°, CN, PR, RF	10 30 100 300 1000 3000
				131							
				132						132.40: J, 45°, CN, IR, RF 132.47: J, 5°, CN, CU, RF-SM 132.74: J, 90°, CN, IR, VR-RF	
		100	95	133						133.08: J, 10°, CN, IR, RF 133.37: J, 5°, CN, IR, RF 133.45: J, 5°, CN, IR, RF 133.61: J, 10°, CN, IR, RF	
				134						133.89: J, 25°, CN, PR, RF 134.35: J, 5°, CN, PR-IR, SM-RF 134.48: J, 85°, CN, PR, SM-RF	
				135						134.83: J, 5°, CN, IR-PR, RF	
		100	100	136						136.60: J, 15°, VN, PR, RF-SM	
				137							
				138							
		100	97	139							
				140							

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir		
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Sheet	16 OF 91
Client:	Queensland Hydro	Surface RL:	883.24 m AHD		
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Date Started:	27/6/2024
			LF160	Date Completed:	16/10/2024
		Inclination:	-86° Direction: 192°	Logged:	DG/LB/LB/HF/MFR/P

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
PQ3	Groundwater Not Observed	100	97	140			GRANITE: coarse grained, mottled black and grey and pale yellow, crystalline, massive, slightly altered granite with mix volcanics.	FR		140.35: J, 10°, CN, UN, RF 140.82: J, 60°, wh-mi SN, PR-ST, RF 141.21: J, 15°, CN, UN, RF	
				141							
				142	142.00 142.11						
		100	87	143	741.57 143.64		BASALT: fine grained, pale dark grey green, massive, slightly altered.			142.35: J, 70°, CN, PR, RF	
		100	62	144	740.04 145.95		GRANITE: coarse grained, mottled green and pale yellow, crystalline, massive, slightly altered granite with mix volcanics.			143.61: J, 35°, CN, PR, RF-SM 143.70: J, 90°, pk CT, CU-IR, RF-SM 143.76: J, 35°, CN, PR, RF-SM 143.90-144.43: SZ, 15°, dark gy/red VN, CU-UN, RF-SM	
				145							
				146	737.74 147.10		BASALT: fine grained, pale dark grey green, massive, slightly altered.			145.43: J, 70°, SN, PR, RF 145.46: J, 10°, br-mi SN, ST, RF 145.40-145.70: SZ, 60 - 70°, medium to coarse angular gravel and cobbles, dark gy and yl mi VN, CU, RF, significant 145.57-145.63: J x3, 60°, yl-mi SN, PR, RF 146.20: J, 45°, br-mi SN, PR-UN, RF 146.00-146.97: J, 45°, CN, PR, SM	
				147	736.59 147.90		GRANITE: coarse grained, mottled green and pale yellow, crystalline, massive, slightly altered granite with mix volcanics.			147.05: J, 10°, br-mi SN, UN-ST, RF 147.12: J, 20°, br-mi SN, PR, RF 147.33: J, 5°, br-mi SN, ST-IR, RF 147.36: J, 70°, rd VN, IR, VR 147.46: J, 25°, rd VN, IR, VR 147.74: J, 5°, CN, PR-CU, RF-SM	
		100	89	148	735.80 149.05		BASALT: fine grained, pale dark grey green, massive, slightly altered.			148.20: J, 70°, CN, UN, RF	
				149	734.65 149.50		GRANITE: coarse grained, mottled green and pale yellow, crystalline, massive, slightly altered granite with mix volcanics, mafic sections up to 300mm.			148.90: J, 20°, CN, IR, VR-RF 148.62-149.60: AZ, yl, wh, VN, IR 149.21: J, 5°, VN, ST-UN, RF	
HQ3		83	50		149.70 734.00		NO CORE 0.20m (149.50-149.70)				
				150							

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	17 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Logged:	DG/LB/LB/HF/MFR/P
		LF160			
		Inclination:	-86° Direction: 192°		

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	Groundwater Not Observed	83	50	150			GRANITE: coarse grained, mottled green and pale yellow, crystalline, massive, slightly altered granite with mix volcanics, mafic sections up to 300mm.	FR		149.96: J, 5°, wh SN-VN, UN-ST, RF 149.94-150.00: SZ, 5°, pale gr and dark gy CN-VN, IR, RF 150.28: J, 25°, CN, ST-UN, RF 150.36: J, 30°, CN, ST-IR, RF 150.35-150.39: J x2, 45°, wh SN, CU-UN, RF 150.58-150.70: SZ, 25°, wh mi CT-VN, CU-UN	
				151						151.11: J, 15°, CN, UN-ST, RF 151.43: J, 45°, wh mi VN, CU-PR, RF	
		100	93	152						152.48-152.49: J, 45°, wh mi VN, CU-PR, RF 152.60: J, 60°, wh, gn mi SN-VN, PR, RF 152.51-152.70: J, 80°, wh VN, UN, RF 152.66-152.74: J, 55°, wh VN, UN-CU, RF 152.80: J, 35°, gn stains SN, ST-UN, RF 153.05: J, 45°, CN, ST-IR, RF	
				153						153.34-153.43: J, 45°, CN, UN, RF 153.59: J, 45°, CN, PR-CU, RF	
		100	100	154						153.81-154.00: J, 75°, VN, UN-CU, RF 154.32: J, 45°, CN, PR-UN, RF-SM	
				155						154.83-154.90: J, 50°, wh/pk VN, UN-CU, RF 155.24: J, 35°, CN, ST-UN, RF	
				156						155.95: J, 25°, CN, PR, RF 156.22: J, 45°, wh SN, CU-PR, RF	
		100	100	157						157.60: J, 25°, CN, CU-UN, RF 157.65: J, 15°, CN, CU-UN, RF	
				158							
				159							
		100	100	160							

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	18 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Logged:	DG/LB/LB/HF/MFR/P
		LF160			
		Inclination:	-86° Direction: 192°		

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	Groundwater Not Observed	100	100	160			GRANITE: coarse grained, mottled green and pale yellow, crystalline, massive, slightly altered granite with mix volcanics, mafic sections up to 300mm.	FR	VL .2 L .6 M .20 H .60 VH .200 EH	161.22: J, 25°, CN, UN-IR, RF	10 30 100 300 1000 3000
				161							
				162						162.22: J, 5°, CN, ST-IR, RF-SM	
										162.50: J, 5°, CN, UN-IR, RF	
		100	100	163						163.53: J, 20°, CN, IR-ST, RF	
				164							
				165						165.59: J, 50°, CN, CU-UN, RF	
		100	100	166						166.18: J, 10°, CN, IR-ST, RF-SM	
										166.68: J, 5°, CN, IR-ST, RF	
				167						167.49: J, 10°, CN, IR-ST, RF	
		100	100	168						168.10: J, 15°, CN, IR-ST, RF	
				169						169.75: J, 5°, CN, ST-IR, RF	
				170							

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	19 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Logged:	DG/LB/LB/HF/MFR/P
		LF160			
		Inclination:	-86° Direction: 192°		

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	Groundwater Not Observed	100	100	170			GRANITE: coarse grained, mottled green and pale yellow, crystalline, massive, slightly altered granite with mix volcanics, mafic sections up to 300mm.	FR		170.23: J, 15°, CN, ST-IR, RF-SM	
				171						170.76: J, 20°, CN, ST-IR, RF	
										171.30: J, 30°, CN, ST-IR, SM	
		100	100	172						172.11: J, 25°, CN, UN-ST, RF	
										172.56-172.65: J x2, 10°, CN, CU-UN, SM-RF	
				173						173.37: J, 5°, CN, IR-ST, RF	
					173.61						
					710.17		LAMPROPHYRE: fine to coarse grained, mottled black and grey, porphyritic, massive, phenocrysts up to 2 mm, slightly altered.			173.68: J, 15°, CN, ST-IR, RF	
				174						174.24: J, 30°, CN, IR-UN, RF	
				175							
		100	100	176						>> 176.43: J, 15°, CN, UN-CU, RF	
				177	177.05						
					706.74		BASALT: fine grained, pale dark grey green, massive.			177.28: J, 45°, VN, CU-PR, RF	
				178						176.13-179.96: AZ, 45°, VN, UN-IR-ST	
										178.30: J, 5°, CN, ST-IR, VR-RF	
		100	100	179						179.17: J, 10°, CN, RF	
					179.32						
					704.47		GRANITE: coarse grained, mottled green and pale yellow, crystalline, massive, slightly altered granite with mix volcanics and pale yellow/green alteration halos around defects.				
				180							

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	20 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Logged:	DG/LB/LB/HF/MFR/P
		LF160			
		Inclination:	-86° Direction: 192°		

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	Groundwater Not Observed	100	100	180			GRANITE: coarse grained, mottled green and pale yellow, crystalline, massive, slightly altered granite with mix volcanics and pale yellow/green alteration halos around defects.	FR		180.28: J, 40°, CN, UN-ST, RF	
				181	*181.70*						
		100	100		702.10		LAMPROPHYRE: fine to coarse grained, mottled black and grey, porphyritic, massive, slightly altered.				
				182							
				183	*183.64*						
		100	62		700.17		GRANITE: coarse grained, mottled green and pale yellow, crystalline, massive, slightly altered granite with mix volcanics and pale yellow/green alteration halos around defects.			184.58: J, 45°, CN, UN-ST, RF 184.81: J, 25°, CN, UN-ST, RF 184.94: J, 40°, CN, UN, RF	
				184							
				185	*185.17*						
					698.64		BASALT: fine grained, pale dark grey green, massive, slightly altered.			184.93-185.70: AZ, 40°, VN, IR-UN 185.45: J, 50°, VN, PR-CU, SM 185.56: J, 5°, CN, ST-IR, RF 185.52-185.62: J, 45°, VN-SN, CU-PR, RF	
					185.74						
					698.07		GRANITE: coarse grained, mottled green and pale yellow, crystalline, massive, slightly altered granite with mix volcanics and pale yellow/green alteration halos around defects.			185.83-185.96: J, 70°, CN, UN-ST, RF	
				186							
										186.70: J, 15°, CN, ST-IR, VR	
				187							
										187.42: J, 25°, CN, UN-ST, RF 187.35-187.53: J, 75°, CN, UN-ST, RF	
										187.76: J, 15°, CN, CU-UN, RF	
				188						187.86-187.97: J x2, 50°, CN, UN-ST, RF 188.05: J, 35°, CN, UN-ST, RF	
		100	96							188.18-188.23: J, 45°, CN, CU, SM 188.23-188.35: J, 55°, CN, UN, RF	
				189						188.96: J, 40°, CN, UN-ST, RF	
		100	100	190							

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	21 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear LF160	Logged:	DG/LB/LB/HF/MFR/P
		Inclination:	-86° Direction: 192°		

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 60 200	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	Groundwater Not Observed	100	100	190			GRANITE: coarse grained, mottled green and pale yellow, crystalline, massive, slightly altered granite with mix volcanics and pale yellow/green alteration halos around defects.	FR		190.40: CS, 10°, gn mi SN, PR, RF 190.45: CS x2, 75°, gn mi SN, UN, RF	
				191						190.82-190.86: CS x2, 30°, x2, bl-mi SN, PR, SM	
										191.40: J, 30°, CN, ST, RF	
				192						191.97-192.00: CS, 0° 192.08: J, 80°, pk-mi VN, UN, RF	
										192.44: CS, 50°, gr-mi SN, PR, RF 192.57: J, 30°, CN, PR, RF 192.67: CS, 60°, yl-mi SN, PR, RF	
		100	100	193						192.87: J, 5°, CN, UN, RF	
										193.17: CS, 80°, wh-mi CT, UN, SM	
										193.58: J, 60°, CN, UN, RF	
				194						194.27: J, 20°, CN, PR, RF	
				195						194.94: J, 10°, CN, PR, RF	
										195.25: J, 10°, CN, PR, RF	
					195.94						
				196	687.90		LAMPROPHYRE: fine to medium grained, mottled black and grey, porphyritic, massive, phenocrysts up to 2 mm, slightly altered.			196.05-196.15: J x2, 55°, yl-mi CN, UN, RF	
					196.82						
					687.03		GRANITE: coarse grained, mottled green and pale yellow, crystalline, massive, slightly altered granite with mix volcanics and pale yellow/green alteration halos around defects.			196.71: J, 30°, CN, PR, RF 196.80: J, 40°, yl-mi VN, UN, RF 196.90: J, 40°, yl-mi SN, UN, RF	
		100	100	197						197.35: CS, 60°, yl-mi SN, PR, RF	
										197.65: J, 30°, CN, PR, RF	
				198							
										198.77: J, 15°, CN, PR, RF 198.88: J, 5°, CN, PR, RF	
		100	100	199							
										199.84: CS, 15°, yl-mi CN, PR, RF	
				200							

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	22 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear LF160	Logged:	DG/LB/LB/HF/MFR/P
		Inclination:	-86° Direction: 192°		

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	Groundwater Not Observed	100	100	200			GRANITE: coarse grained, mottled green and pale yellow, crystalline, massive, slightly altered granite with mix volcanics and pale yellow/green alteration halos around defects.	FR		200.12: J, 5°, CN, UN, SM 200.50: J, 10°, CN, PR, RF 201.05: J, 50°, CN, PR, RF 201.33: J, 10°, CN, PR, RF 201.55: J, 45°, CN, PR, RF 201.78: J, 30°, CN, UN, RF 201.85: J, 5°, CN, PR, RF	
		100	100	201							
		100	100	202							
		100	100	203							
		100	100	204						204.06: J, 5°, CN, UN, RF 204.75-204.84: J, 5°, CN, PR, RF	
		100	100	205						205.21: J, 45°, CN, CU, RF	
		100	100	206						206.31: J, 15°, CN, PR, SM 206.72-206.85: J x2, 10°, CN, PR, SM	
		100	100	207						207.09: J, 5°, CN, UN, RF 207.14: J, 70°, yl-mi SN, UN, RF 207.16: J, 90°, yl-mi SN, CU, RF 207.29: J, 25°, CN, UN, RF 207.41: J, 20°, CN, PR, RF 207.50: J, 20°, CN, UN, RF 207.71-207.77: J, 65°, gr-mi SN, UN, RF 207.92: J, 5°, CN, CU, RF	
		100	100	208						208.06: J, 70°, CN, UN, RF 208.09: J, 50°, yl-mi CN, PR, RF 208.10: J, 60°, yl-mi CN, CU, RF	
		100	100	209						208.64: J, 10°, CN, CU, RF	
				210							

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	23 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Logged:	DG/LB/LB/HF/MFR/P
		LF160			
		Inclination:	-86° Direction: 192°		

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	Groundwater Not Observed	100	100	210			GRANITE: coarse grained, mottled green and pale yellow, crystalline, massive, slightly altered granite with mix volcanics and pale yellow/green alteration halos around defects.	FR	VL .2 L .6 M .20 H .60 VH .200 EH	210.12: J, 15°, CN, UN, RF 210.35: J, 55°, gr-mi SN, PR-ST, RF 210.66: J, 40°, CN, PR, RF 210.90: J, 5°, CN, UN, RF	10 30 100 300 1000 3000
		100	94	211						211.77: J, 10°, CN, PR, RF 212.10: J, 5°, CN, UN, RF 212.23-212.27: CS	
		100	96	212						212.83: J, 28°, CN, CU, RF 213.10: J, 30°, dark rd and gy mi CN-VN, PR, RF-SM 213.14: J, 30°, dark rd and gy mi CN-VN, PR, RF-SM	
		100	100	213						214.74: J, 45°, CN, PR-CU, SM 215.13: J, 20°, CN, UN, RF 215.72: J, 45°, CN, ST, VR	
		100	100	214						216.30: J, 40°, CN, UN-CU, RF 216.43: J, 5°, CN, UN, RF	
		100	100	215						217.60: J, 10°, CN, UN-ST, RF 217.88: J, 10°, CN, ST-IR, RF-VR 218.21: J, 20°, CN, ST-UN, RF 218.60: J, 50°, CN, CU, PO	
		100	100	216						219.60: J, 45°, CN, ST-UN, RF 219.85: J, 5°, VN, UN-ST, RF	
		100	100	217							
		100	100	218							
		100	100	219							
		100	100	220							

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir		
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Sheet	24 OF 91
Client:	Queensland Hydro	Surface RL:	883.24 m AHD		
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Date Started:	27/6/2024
			LF160	Date Completed:	16/10/2024
		Inclination:	-86° Direction: 192°	Logged:	DG/LB/LB/HF/MFR/P

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	Groundwater Not Observed	100	100	220			GRANITE: coarse grained, mottled green and pale yellow, crystalline, massive, slightly altered granite with mix volcanics and pale yellow/green alteration halos around defects.	FR			
				221						221.36-221.43: AZ, 45°, VN, IR	
										221.64: J, 45°, CN, CU-PR, PO-SM	
				222						221.80-221.91: AZ, 45°, CT-VN, IR 221.96: J, 5°, CN, ST-IR, RF	
					222.46					222.31: J, 10°, VN, UN-ST, RF	
					661.47		BASALT: fine grained, pale dark grey green, massive, slightly altered.				
				223							
					223.42						
		100	100		660.51		GRANITE: coarse grained, mottled green and pale yellow, crystalline, massive, slightly altered granite with mix volcanics and pale yellow/green alteration halos around defects.				
				224						224.20: J, 5°, CN, ST-UN, RF	
					224.32						
					659.61		BASALT: fine to medium grained, pale dark grey, massive, slightly altered.			224.03-224.78: AZ, 55°, wh-gn min VN, IR-UN, 30 mm	
				225							
					225.55						
					658.39		GRANITE: coarse grained, mottled green and pale yellow, crystalline, massive, slightly altered granite with mix volcanics and pale yellow/green alteration halos around defects.				
				226						226.53: J, 20°, CN, CU-UN, RF	
		100	100	227						227.46: J, 25°, CN, CU-UN, RF	
				228						228.09: J, 20°, CN, CU, SM	
		100	100	229						229.20-229.28: J, 30°, CN, ST-IR, RF	
				230							

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	25 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear LF160	Logged:	DG/LB/LB/HF/MFR/P
		Inclination:	-86° Direction: 192°		

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	Groundwater Not Observed			230			GRANITE: coarse grained, mottled green and pale yellow, crystalline, massive, slightly altered granite with mix volcanics and pale yellow/green alteration halos around defects.	FR		230.41: J, 10°, CN, RF-VR 230.09-230.85: AZ, 55°, VN, IR	
				231						231.10-231.11: J, 20°, CN, CU-UN, SM 231.49: J, 10°, CN, CU-UN, RF	
					231.63						
					652.32		LAMPROPHYRE: fine to medium grained, mottled black and grey, porphyritic, massive.				
				232						232.13: J, 20°, CN, UN-ST, SM	
		100	100	233							
				234							
				235							
				236	236.06						
		100	100		647.91		GRANITE: coarse grained, mottled green and pale yellow, crystalline, massive, slightly altered granite with mix volcanics and pale yellow/green alteration halos around defects.			236.84: J, 10°, CN, ST-IR, VR-RF	
				237						237.26: J, 5°, CN, UN 235.98-238.98: J, 10°, CN, UN, RF	
				238						237.48-238.25: AZ, 55°, VN, UN-IR	
					238.85						
		100	100		645.13		LAMPROPHYRE: fine to medium grained, mottled black and grey, porphyritic, massive.			238.97: J, 5°, CN, ST-IR, RF	
				239							
				240						239.84: J, 20°, CN, ST, VR-RF	

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	26 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55		
Client:	Queensland Hydro	Surface RL:	883.24 m AHD		
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Date Started:	27/6/2024
			LF160	Date Completed:	16/10/2024
		Inclination:	-86° Direction: 192°	Logged:	DG/LB/LB/HF/MFR/P

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	Groundwater Not Observed	100	100	240			LAMPROPHYRE: fine to medium grained, mottled black and grey, porphyritic, massive.	FR			
				241	241.06					240.96: J, 20°, CN, PR-CU, SM	
					642.92		GRANITE: coarse grained, mottled green and pale yellow, crystalline, massive, slightly altered granite with mix volcanics and pale yellow/green alteration halos around defects.			241.10: J, 10°, CN, UN-ST, RF 241.01-241.37: AZ, 30°, VN, UN-IR	
		100	100	242							
				243						243.58: J, 15°, CN, ST-UN, VR-RF	
				244						244.40: J, 25°, CN, UN-ST, RF 244.10-244.96: AZ, 45°, VN, UN-IR 244.65: J, 25°, CN, UN-ST, RF	
		100	100	245						244.85: J, 40°, CN, UN-ST, RF 244.94: J, 25°, CN, UN-ST, RF	
										245.20: J, 15°, CN, UN, RF	
				246						245.69: J, 15°, CN, UN-ST, VR	
										245.09-247.49: AZ, 45°, VN, IR-UN	
				247						246.56: J, 30°, VN, CU-UN, RF-SM 246.60: J, 35°, CN, CU-PR, SM	
										247.45: J, 55°, VN, PR-CU, SM	
		100	100	248							
					248.86						
				249	635.15		BASALT: fine grained, pale dark grey, massive, slightly altered.			248.95: J, 50°, CN, UN-CU, RF	
										>> 249.40: J, 30°, CN, ST-IR, VR	
		100	100	250	249.97						

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	27 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Logged:	DG/LB/LB/HF/MFR/P
		LF160			
		Inclination:	-86° Direction: 192°		

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	Groundwater Not Observed	100	100	250	634.04		GRANITE: coarse grained, mottled dark grey and pale green, crystalline, massive, slightly altered granite with mix volcanics and pale yellow/green alteration halos around defects.	FR			
					250.35						
					633.66		BASALT: fine grained, pale dark grey, massive, slightly altered.				
					250.69						
					633.32		GRANITE: medium to coarse grained, mottled dark grey and pale green, crystalline, massive, slightly altered granite with mix volcanics and pale yellow/green alteration halos around defects.				
				251							
				252							
		100	100	253							
				254							
				255							
				256						255.83: J, 10°, CN, ST, VR	
				257						256.84: J, 5°, CN, ST-UN, RF	
		100	100	258						257.52: J, 5°, CN, UN, RF 257.69: J, 15°, CN, UN-ST, VR 257.82: J, 40°, CN, CU-PR, SM	
				259						258.30: J, 10°, CN, UN-ST, RF 258.58: J, 5°, CN, UN, RF	
		100	100	260	260.00						

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	28 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Logged:	DG/LB/LB/HF/MFR/P
		LF160			
		Inclination:	-86° Direction: 192°		

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	Groundwater Not Observed	100	100	260	624.04		GRANITE: medium to coarse grained, mottled dark grey and pale green, crystalline, massive, slightly altered granite with mix volcanics and pale yellow/green alteration halos around defects.	FR		260.42: J, 5°, CN, CU-UN, SM-RF 260.59-260.74: J, 75°, VN, CU-PR, SM	
		100	100	261						263.19: J, 20°, CN, UN-ST, RF 263.00-263.68: J, 65°, CN, CU-UN, SM-RF 263.70: J, 5°, CN, UN, RF 264.04: J, 20°, CN, UN-ST, RF 264.43: J, 10°, CN, ST-UN, VR	
		100	100	262							
		100	100	263							
		100	100	264							
		100	100	265							
		100	100	266	266.37 617.69						
		100	100	267							
		100	100	268	267.92 616.07					268.91-268.92: J, 30°, CN, UN-ST, RF, 2 mm 269.27: J, 5°, CN, CU-UN, RF	
		100	100	269							
				270	270.00						

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir		
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Sheet	29 OF 91
Client:	Queensland Hydro	Surface RL:	883.24 m AHD		
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Date Started:	27/6/2024
			LF160	Date Completed:	16/10/2024
		Inclination:	-86° Direction: 192°	Logged:	DG/LB/LB/HF/MFR/P

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	Groundwater Not Observed	100	100	270	614.07		GRANITE: medium to coarse grained, mottled dark grey and pale green, crystalline, massive, slightly altered granite with mix volcanics and pale yellow/green alteration halos around defects.	FR			
				271						271.24: J, 5°, CN, UN-ST, RF 271.07-272.04: AZ, 70°, veining and flow banded zone, UN-IR	
		100	100	272						271.91: J, 55°, SN, CU-UN, SM	
				273						273.06: J, 15°, VN, PR-CU, RF 273.22: J, 25°, VN, PR, RF	
		100	100	274						274.63: J, 25°, VN, PR-CU, RF	
				275						275.08: J, 5°, VN, PR-CU-UN, RF	
		100	100	276						275.77: J, 25°, VN, PR-CU-UN, RF 276.42: J, 15°, VN, PR-CU, RF	
				277							
		100	100	278						278.75: J, 25°, VN, PR-CU, RF	
				279						279.05-279.29: AZ, CT, IR-PR-UN 279.30: J, 15°, VN, PR-CU-UN, RF 279.57: J, 15°, VN, PR-CU, RF 279.67: J, 40°, VN, PR-CU-UN, RF	
		100	100	280	280.00						

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	30 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Logged:	DG/LB/LB/HF/MFR/P
		LF160			
		Inclination:	-86° Direction: 192°		

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	Groundwater Not Observed	100	100	280	604.10		GRANITE: medium to coarse grained, mottled dark grey and pale green, crystalline, massive, slightly altered granite with mix volcanics and pale yellow/green alteration halos around defects.	FR		281.62: J, 5°, VN, PR-CU, RF 281.78-281.82: J, 5°, VN, PR-CU-UN, RF	
				281							
				282						282.63: J, 15°, VN, PR-CU, RF 282.88: J, 5°, VN, UN, RF	
		100	100	283						283.36-283.38: J, 30°, VN, PR, RF	
				284							
				285						285.40: J, 0°, VN, UN, RF 285.61: J, 5°, VN, UN-IR, RF	
				286							
		100	100	287						287.43: J, 25°, VN, PR-CU, RF	
				288						288.60: J, 5°, VN, PR-CU-UN, RF 288.72: J, 5°, VN, UN, RF	
		100	100	289							
				290	290.00					289.81-289.98: J, 45°, VN, PR, RF	

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	31 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear LF160	Logged:	DG/LB/LB/HF/MFR/P
		Inclination:	-86° Direction: 192°		

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	Groundwater Not Observed	100	100	290	594.13		GRANITE: medium to coarse grained, mottled dark grey and pale green, crystalline, massive, slightly altered granite with mix volcanics and pale yellow/green alteration halos around defects.	FR			
				291						291.07: J, 30°, VN, PR-CU, RF 291.33: J, 10°, VN, PR-CU, RF	
		100	100	292						291.66-291.70: P, VN, RF 292.57-292.62: J, 45°, VN, PR-CU, RF	
		100	100	293						293.45: J, 10°, VN, PR-CU-UN, RF	
		100	100	294						294.32: J, 15°, VN, PR-CU, RF 294.53: J, 0°, VN, UN, RF	
		100	100	295							
		100	100	296							
		100	100	297						297.47: J, 10°, VN, UN, RF	
		100	100	298							
		100	100	299							
				300	300.00						

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir		
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Sheet	32 OF 91
Client:	Queensland Hydro	Surface RL:	883.24 m AHD		
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Date Started:	27/6/2024
			LF160	Date Completed:	16/10/2024
		Inclination:	-86° Direction: 192°	Logged:	DG/LB/LB/HF/MFR/P

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	Groundwater Not Observed	100	100	300	584.16		GRANITE: medium to coarse grained, mottled dark grey and pale green, crystalline, massive, slightly altered granite with mix volcanics and pale yellow/green alteration halos around defects.	FR	VL .2 L .6 M .20 H .60 VH .200 EH	300.19: J, 10°, VN, PR-CU, RF 300.40: J, 5°, VN, UN, RF 300.58: J, 5°, VN, UN-IR, RF	10 30 100 300 1000 3000
				301	*301.30*						
		100	100		582.87		BASALT: fine grained, pale dark grey, massive, slightly altered.			302.43: J, 15°, VN, PR-CU, RF	
				302	*302.65*						
					581.52		GRANITE: medium to coarse grained, mottled dark grey and pale green, crystalline, massive, slightly to moderately altered granite with mix volcanics and pale yellow/green alteration halos around defects.			303.06: J, 15°, VN, PR-CU, RF 303.34: J, 0°, VN, PR-CU-UN, RF	
				303							
		100	100	304						303.80: J, 5°, VN, UN, RF 304.52: J, 25°, VN, PR-CU, RF	
				305	*305.45*						
					578.73		BASALT: fine grained, pale dark grey, massive, slightly altered.			305.41-305.43: J, 30°, VN, PR-CU, RF 305.74: J, 0°, VN, UN, RF 305.80-305.90: J, 45°, VN, PR-CU, RF	
				306	*306.87*					306.26: J, 5°, VN, UN, RF 306.48: J, 5°, VN, PR-CU, RF 306.67: J, 10°, VN, UN, RF	
		100	100	307	577.32		GRANITE: medium to coarse grained, mottled dark grey and pale green, crystalline, massive, slightly to moderately altered granite with mix volcanics and pale yellow/green alteration halos around defects.				
				308							
				309						308.96-308.98: J, 20°, VN, PR-CU, RF 309.24: J, 5°, VN, UN, RF 309.61: J, 0°, VN, UN-IR, RF	
		100	100	310							

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	33 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Logged:	DG/LB/LB/HF/MFR/P
		LF160			
		Inclination:	-86° Direction: 192°		

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	Groundwater Not Observed	100	100	310			GRANITE: medium to coarse grained, mottled dark grey and pale green, crystalline, massive, slightly to moderately altered granite with mix volcanics and pale yellow/green alteration halos around defects.	FR	VL .2 L .6 M .20 H .60 VH .200 EH	311.23: J, 25°, VN, PR-CU, RF 311.72: J, 5°, VN, UN, RF 312.07: J, 5°, VN, UN-IR, RF 314.30: J, 25°, VN, PR-CU, RF 314.70: J, 30°, VN, PR-CU, RF 315.40: J, 20°, VN, PR-CU, RF 317.07: J, 0°, VN, PR-CU, RF 319.84: J, 15°, VN, PR-CU, RF	10 30 100 300 1000 3000
		100	100	311							
		100	100	312							
		100	100	313							
		100	100	314							
		100	100	315							
		100	100	316							
		100	100	317							
		100	100	318							
		100	100	319							
				320							

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	34 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear LF160	Logged:	DG/LB/LB/HF/MFR/P
		Inclination:	-86° Direction: 192°		

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	Groundwater Not Observed	100	100	320			GRANITE: medium to coarse grained, mottled dark grey and pale green, crystalline, massive, slightly to moderately altered granite with mix volcanics and pale yellow/green alteration halos around defects.	FR	VL .2 L .6 M .20 H .60 VH .200 EH	321.53: J, 15°, VN, PR-CU, RF	10 30 100 300 1000 3000
				321							
		100	100	322							
				323							
					323.70 560.54		BASALT: fine grained, pale dark grey, massive, slightly altered.			323.61-323.63: J, 10°, VN, CU-PR-UN, RF	
				324						324.53: J, 5°, VN, UN-CU, RF 324.61: J, 25°, VN, PR-CU-UN, RF	
		100	100	325							
				326							
					326.50 557.75		GRANITE: medium to coarse grained, mottled dark grey and pale green, crystalline, massive, altered granite with mix volcanics and some yl alteration halos.			326.42: J, 25°, VN, PR-CU, RF	
		100	100	327						326.92: J, 15°, VN, PR-CU, RF	
				328							
				329						328.66-328.68: J, 35°, VN, PR-CU, RF	
				330						329.68: J, 20°, VN, PR-CU, RF	

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	35 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Logged:	DG/LB/LB/HF/MFR/P
			LF160		
		Inclination:	-86° Direction: 192°		

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	Groundwater Not Observed	100	100	330			GRANITE: medium to coarse grained, mottled dark grey and pale green, crystalline, massive, altered granite with mix volcanics and some yl alteration halos.	FR		330.36: J, 10°, VN, UN-CU, RF	
				331						331.21: J, 15°, VN, PR-CU, RF	
		100	100	332	332.10						
					552.16		BASALT: fine grained, pale dark grey, massive, slightly altered.			332.46: J, 20°, VN, PR-CU, RF	
				333	333.20					332.87: J, 5°, VN, PR-CU-UN, RF	
					551.07		GRANITE: medium to coarse grained, mottled dark grey and pale green, crystalline, massive, alterated granite with mix volcanic intrusion and some yl alteration halos.			333.47: J, 5°, VN, UN, RF	
		100	100	334							
				335							
				336	336.60						
					547.68		BASALT: fine grained, pale dark grey, massive, slightly altered.				
				337						337.19: J, 15°, VN, PR-CU, RF	
				338						337.94: J, 20°, VN, PR-CU, RF	
		100	100		338.30					338.15: J, 10°, VN, PR-CU-UN, RF	
					545.98		LAMPROPHYRE: fine to medium grained, mottled black and grey, porphyritic, massive, phenocrysts up to 2 mm, slightly altered with pale yellow/green alteration halos around defects.			338.28: J, 30°, VN, PR-CU, RF	
										338.47: J, 20°, VN, PR-CU, RF	
				339						338.94: J, 15°, VN, PR-CU, RF	
										339.10: J, 5°, VN, PR-CU-UN, RF	
										339.41: J, 35°, VN, PR-CU-UN, RF	
		100	100	340							

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	36 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear LF160	Logged:	DG/LB/LB/HF/MFR/P
		Inclination:	-86° Direction: 192°		

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 60 200	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	Groundwater Not Observed	100	100	340			LAMPROPHYRE: fine to medium grained, mottled black and grey, porphyritic, massive, phenocrysts up to 2 mm, slightly altered with pale yellow/green alteration halos around defects.	FR		340.61: J, 5°, VN, UN, RF 340.83: J, 30°, VN, PR-CU, RF	
				341							
				342						342.54: J, 5°, VN, UN-IR, RF 342.66: J, 25°, VN, PR-CU, RF	
				343							
		100	100	344							
				345							
				346							
		100	100	347						347.20: J, 15°, VN, PR-CU, RF	
				348						348.08: J, 10°, VN, PR-CU, RF 348.46: J, 10°, VN, CU-PR, RF 348.66: J, 5°, VN, UN-IR, RF	
		100	100	349							
				350							

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	37 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Logged:	DG/LB/LB/HF/MFR/P
		LF160			
		Inclination:	-86° Direction: 192°		

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	Groundwater Not Observed	100	100	350	350.60		LAMPROPHYRE: fine to medium grained, mottled black and grey, porphyritic, massive, phenocrysts up to 2 mm, slightly altered with pale yellow/green alteration halos around defects.	FR			
					533.72		GRANITE: medium to coarse grained, mottled dark grey and pale green, crystalline, massive, altered granite with mix volcanic intrusion and some pale yellow/green alteration halos.			351.01: J, 10°, VN, PR-CU-UN, RF 351.04-351.38: IS, 5°, with multiple healed joints infilled, IR 351.66: J, 20°, VN, PR-CU-UN, RF	
		100	100	351							
				352							
		100	100	353							
				354						354.42: J, 5°, VN, UN, RF 354.64: J, 0°, VN, UN, RF	
				355							
		100	100	356							
				357						357.17: J, 20°, VN, PR-CU, RF	
				358							
		100	100	359						359.72: J, 5°, VN, UN-IR, RF	
				360	360.00						

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	38 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Logged:	DG/LB/LB/HF/MFR/P
		LF160			
		Inclination:	-86° Direction: 192°		

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	Groundwater Not Observed	100	100	360	524.35		GRANITE: medium to coarse grained, mottled dark grey and pale green, crystalline, massive, slightly to moderately altered with pale yellow alteration halos around defects.	FR		360.16: J, 5°, VN, UN, RF 360.37: J, 10°, VN, PR-CU-UN, RF 360.53: J, 5°, VN, UN, RF	
					360.50						
					523.85		LAMPROPHYRE: fine to medium grained, grey black, porphyritic, massive, phenocrysts up to 2 mm.				
					361.00						
				361	523.35		Moderately altered.				
					361.23						
					362.00						
		100	100	362	522.36						
					362.42						
					521.94		Alteration halo around healed joints.				
					363.00					362.86: J, 55°, CN, CU, RF	
				363	521.36		Alteration halo around healed joints.				
					363.29						
					521.07		Up to 10mm alteration halos around healed joint.				
				364							
					364.49						
					519.87		Anastmosed zone.				
					364.73					364.50-364.74: AZ, SN, IR-CU	
					519.63		Zone of microfracturing, angles ranging from 40 to 60 degree's.				
		100	100	365						364.93: J, 30°, CN, PR, RF 365.00: J, 60°, pale yl SN, PR, RF, 2 mm 365.04: J, 25°, CN, ST-IR, RF 365.00-365.16: J, 85°, CN, PR-UN, RF 365.15: J, 10°, CN, ST-IR, RF 365.26: J, 20°, CN, ST-IR, RF 365.47: J, 10°, CN, CU-UN, RF	
				366							
					366.10					366.00: J, 50°, wh pale yl mi SN, PR, RF, 2 mm	
					518.27		Zone of microfractures, 20 to 50 mm spacing, angled up to 40 to 50 degrees.			366.28: J, 45°, CT, PR, RF, 1 mm 366.40: J, 5°, CN, UN-ST, RF	
		100	100	367						366.78-366.83: J, 15°, CN, CU-UN, RF 366.78-367.00: J, 90°, CN, CU-UN, RF 367.00: J, 50°, wh pale yl mi SN, PR, RF, 2 mm	
										367.36: J, 10°, CN, ST-IR, RF 367.44-367.49: J, 25°, CN, ST-IR, RF 367.45-367.57: J, 90°, CN, PR, SM	
					367.86						
				368	516.45		Altered healed joint.			367.71-368.00: SS, 20°, cross cutting though healed joints and veins SN, PR, RF	
		100	100							368.27: J, 40°, wh pale yl mi CN, PR, RF, 1 mm 368.43: J, 30°, wh pale yl mi CN, PR, RF, 1 mm	
					368.58						
					515.80		BASALT: fine grained, pale grey to black, crystalline, massive.				
					515.72						
					369.00		Moderately to distinctively altered with pale yellow/green alteration halos around defects.			368.69-368.89: AZ, 45°, yl - gn alteration zone VN, UN-IR 368.93: J, 10°, SN, ST-IR, VR 369.00-369.50: Overcoring testing completed over this interval	
				369	*369.20*						
		100	100		*369.23*		LAMPROPHYRE: fine to medium grained, pale grey, porphyritic, massive, phenocrysts up to 2 mm.				
					515.15						
					369.45						
					514.93		Pale grey and pale yellow, slightly to moderately altered with pale yellow alteration halos around defects.				
					369.73						
		100	100		*369.85*						
		12	12				Alteration halo around joints.				
				370	*370.00*						

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	39 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55		
Client:	Queensland Hydro	Surface RL:	883.24 m AHD		
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Date Started:	27/6/2024
			LF160	Date Completed:	16/10/2024
		Inclination:	-86° Direction: 192°	Logged:	DG/LB/LB/HF/MFR/P

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	Groundwater Not Observed	100	100	370	514.38		Slightly to moderately altered with pale yellow alteration halos around defects.	FR	VL .2 L .6 M .20 H .60 VH .200 EH		10 30 100 300 1000 3000
							Slightly to moderately altered with pale yellow alteration halos around defects.				
					370.69		Moderately to distinctively altered.				
		100	100				GRANITE: fine to medium grained, pale grey and pale yellow, crystalline, massive, moderately to distinctively altered.				
				371						371.10: J, 50°, wh pale yl mi VN, PR, RF, 1 mm	
					371.33		Slightly altered with pale yellow alteration halos around defects.				
					371.61		Moderately to distinctively altered.				
		100	100		512.78						
				372							
		12	12								
		100	100								
				373							
		56	56								
					373.92						
					374.00						
				374							
					374.19		Slightly altered with pale yellow alteration halos around defects.				
					510.20						
		100	100								
				375						375.15-376.00: Overcoring testing completed over this interval	
		100	100								
				376							
					376.47						
					376.49						
					376.63		Moderately altered.				
					376.91						
				377	507.49		Slightly to moderately altered with pale yellow alteration halos around defects.				
		100	100							377.44: J, 25°, CN, PR-CU, RF	
				378							
										378.73: J, 25°, CN, PR-UN, RF	
				379							
		100	100								
				380	380.00						

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	40 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Logged:	DG/LB/LB/HF/MFR/P
		LF160			
		Inclination:	-86° Direction: 192°		

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	Groundwater Not Observed	100	100	380	504.41		GRANITE: fine to medium grained, pale grey and pale yellow, crystalline, massive, slightly to moderately altered with pale yellow alteration halos around defects.	FR			
				381						381.49: J, 20°, CN, CU-UN, RF	
										381.76: J, 15°, CN, CU-UN, RF	
		100	100	382							
				383							
				384						384.22: J, 45°, CN, UN-ST, RF	
										384.63: J, 15°, CN, UN-ST, RF	
				385						384.75: J, 5°, CN, ST-IR, VR	
		100	100	386	386.11						
					498.32		LAMPROPHYRE: fine to medium grained, dark grey, porphyritic, massive, phenocrysts up to 2 mm.			386.14: J, 60°, VN, ST-IR, RF-SM 386.19: J, 40°, VN, ST-IR, RF-SM 386.23: J, 50°, CN, ST-IR, VR-RF	
					386.74						
					497.69		GRANITE: fine to medium grained, pale grey and pale yellow, crystalline, massive, slightly to moderately altered with pale yellow alteration halos around defects.			386.76: J, 50°, VN, ST-IR, SM 386.90: J, 5°, CN, ST-IR, VR	
				387							
										387.65: J, 10°, CN, ST-IR, VR 387.78: J, 10°, CN, ST-IR, VR	
		100	100	388							
				389							
				390							

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	41 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55		
Client:	Queensland Hydro	Surface RL:	883.24 m AHD		
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Date Started:	27/6/2024
			LF160	Date Completed:	16/10/2024
		Inclination:	-86° Direction: 192°	Logged:	DG/LB/LB/HF/MFR/P

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	Groundwater Not Observed	100	100	390	390.76		GRANITE: fine to medium grained, pale grey and pale yellow, crystalline, massive, slightly to moderately altered with pale yellow alteration halos around defects.	FR		390.59-390.69: J, 15°, CN, PR, SM	
				391	493.68		LAMPROPHYRE: fine to medium grained, pale grey and dark grey, porphyritic, massive, phenocrysts up to 2 mm.			391.15: J, 30°, wh plaey yl CN, PR, RF	
		100	100	392	392.00 492.45		GRANITE: fine to medium grained, pale grey and pale yellow, crystalline, massive, slightly to moderately altered with pale yellow alteration halos around defects.			392.39: J, 35°, CN, PR, RF	
				393						393.51: J, 55°, wh - yl mi CN, UN-PR, RF, 5 mm	
		100	100	394	394.00 490.45		Healed joints offset by approximately 10 mm.			394.32: J, 40°, VN, PR, RF	
				395							
		100	100	396	395.70 488.76		LAMPROPHYRE: fine to medium grained, dark grey, porphyritic, massive, phenocrysts up to 2 mm.				
				397							
		100	100	398	398.30 486.17		GRANITE: fine to medium grained, pale grey and pale yellow, crystalline, massive, slightly to moderately altered with pale yellow alteration halos around defects.			398.88: J, 5°, VN, ST-IR, VR	
				399						399.27: J, 40°, VN, ST-IR, RF	
										399.55: J, 5°, VN, ST-IR, RF	
		100	100	400						399.74: J, 5°, VN, ST-IR, RF	

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir		
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Sheet	42 OF 91
Client:	Queensland Hydro	Surface RL:	883.24 m AHD		
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Date Started:	27/6/2024
			LF160	Date Completed:	16/10/2024
		Inclination:	-86° Direction: 192°	Logged:	DG/LB/LB/HF/MFR/P

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	Groundwater Not Observed	100	100	400			GRANITE: fine to medium grained, pale grey and pale yellow, crystalline, massive, slightly to moderately altered with pale yellow alteration halos around defects.	FR	VL 2 L 6 M 20 H 60 VH 200 EH		10 30 100 300 1000 3000
				401							
				402							
		100	100	403							
				404							
				405						404.86: J, 5°, CN, UN-ST, RF 405.11: J, 5°, CN, PR, RF	
				406							
		100	100	407							
				408							
					408.68					408.30: J, 70°, Qtz, with pk alteration VN, PR-CU, RF, 4 mm 408.39: J, 10°, CN, IR, RF 408.42: J, 70°, CN, CU, RF	
					475.82		BASALT: fine grained, dark grey, massive, slightly altered.				
		100	100	409						409.54: J, 10°, pale yl CN, PR, RF, 2 mm	
				410							

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir		
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Sheet	43 OF 91
Client:	Queensland Hydro	Surface RL:	883.24 m AHD		
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Date Started:	27/6/2024
			LF160	Date Completed:	16/10/2024
		Inclination:	-86° Direction: 192°	Logged:	DG/LB/LB/HF/MFR/P

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	Groundwater Not Observed	100	100	410	474.45		BASALT: fine grained, dark grey, massive, slightly altered.	FR	VL .2 L .6 M .20 H .60 VH .200 EH		10 30 100 300 1000 3000
							Fine to medium grained, dark grey, porphyritic, massive.				
				411	411.04						
					473.47		GRANITE: medium to coarse grained, grey, crystalline, massive, slightly altered with pale yellow/green alteration halos around defects.			411.32: J, 5°, CN, PR-IR, RF 411.46: J, 70°, CN, IR, VR	
		100	100	412						411.67: J, 30°, CN, IR, RF	
										412.48: J, 5°, CN, CU, RF	
				413						413.36: J, 30°, CN, ST, RF	
										413.78: J, 45°, CN, PR, RF	
				414	414.03						
					470.49		BASALT: fine to medium grained, dark grey, porphyritic, massive, mixed with slightly altered granite.			414.16: J, 60°, Qtz mi VN, PR, RF 414.23: J, 20°, CN, PR, RF 414.24: J, 70°, Qtz mi VN, PR, RF	
				415							
		100	100	416						415.76: J, 20°, CN, PR, RF 416.07: J, 10°, CN, PR, RF	
										416.62: J, 45°, CN, PR-CU, RF 416.75: J, 20°, CN, PR-CU, RF	
				417	417.02						
					467.51		GRANITE: medium to coarse grained, grey, crystalline, massive, slightly altered with pale yellow/green alteration halos around defects.			417.18: J, 30°, Qtz with rd mi VN, PR, RF, 3 mm	
				418						418.15: J, 20°, CN, PR-IR, RF	
		100	100	419						418.92: J, 30°, CN, ST, RF 419.25: J, 20°, CN, IR, VR	
										419.58: J, 45°, CN, CU, RF	
				420							

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	44 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55		
Client:	Queensland Hydro	Surface RL:	883.24 m AHD		
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Date Started:	27/6/2024
			LF160	Date Completed:	16/10/2024
		Inclination:	-86° Direction: 192°	Logged:	DG/LB/LB/HF/MFR/P

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	Groundwater Not Observed	100	100	420			GRANITE: medium to coarse grained, grey, crystalline, massive, slightly altered with pale yellow/green alteration halos around defects.	FR		420.55: J, 45°, CN, IR, VR	
		100	100	421						420.95: J, 30°, CN, PR-UN, RF 421.05: J, 30°, CN, PR-UN, RF 421.20: J, 30°, CN, PR-CU, RF 421.35: J, 20°, CN, PR, RF 421.54: J, 30°, CN, ST-IR, RF	
				422	422.80					421.85: J, 45°, CN, PR, RF 422.20: J, 10°, CN, PR-CU, RF 422.43: J, 10°, CN, PR, RF	
		100	100	423	461.74		BASALT: fine to medium grained, dark grey, porphyritic, massive.			422.70: J, 10°, CN, IR, RF 422.84: J, 10°, CN, ST, RF 423.34: J, 20°, CN, ST, RF 423.67: J, 20°, CN, IR, RF	
		100	100	424							
				425						425.06: J, 30°, CN, PR, RF	
				426						425.65: J, 38°, CN, PR, SM 426.28: J, 5°, CN, CU, RF 426.58: J, 5°, CN, PR-CU, RF	
		100	100	427	426.92 457.64		GRANITE: coarse grained, mottled and grey, crystalline, massive, slightly altered with pale yellow alteration halos around defects.			427.25: J, 25°, CN, PR, RF	
				428							
				429	429.81						
		100	100	430	430.00		BASALT: fine grained, grey and pale green, aphantic,				

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	45 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Logged:	DG/LB/LB/HF/MFR/P
		LF160			
		Inclination:	-86° Direction: 192°		

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	Groundwater Not Observed	100	100	430	454.57		massive, slightly altered. BASALT: fine grained, grey and pale green, aphantic, massive, slightly altered.	FR		430.71: J, 10°, CN, CU, RF	
				431							
				432						432.36-432.45: J, 30°, CN, PR, RF	
				433	433.44						
		100	100	434	451.14		GRANITE: coarse grained, mottled and grey, crystalline, massive, slightly altered with pale yellow/green alteration halos around defects, mafic intrusion up to 250mm from 442.67 to 443.56.			434.17: J, 20°, Qtz mi VN, PR, RF-SM	
				435						435.38: J, 10°, CN, CU-IR, RF	
		100	100	436							
				437							
		100	100	438							
				439						439.30: J, 10°, CN, IR, RF	
				440							

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir		
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Sheet	46 OF 91
Client:	Queensland Hydro	Surface RL:	883.24 m AHD		
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Date Started:	27/6/2024
			LF160	Date Completed:	16/10/2024
		Inclination:	-86° Direction: 192°	Logged:	DG/LB/LB/HF/MFR/P

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	Groundwater Not Observed	100	100	440			GRANITE: coarse grained, mottled and grey, crystalline, massive, slightly altered with pale yellow/green alteration halos around defects, mafic intrusion up to 250mm from 442.67 to 443.56.	FR			
				441							
				442							
					442.65						
					441.95		LAMPROPHYRE: fine to medium grained, dark grey to grey, porphyritic, massive.				
		100	98	443							
					443.55						
					441.06		GRANITE: medium grained, grey mottled dark grey, crystalline, massive.			443.45-443.54: J, 90°, CN, PR, RF 443.45-443.58: J x2, 10°, pale yl CN, IR, RF	
				444							
				445						445.22: J, 80°, CN, PR, RF	
										445.69: J, 10°, CN, PR, RF-SM	
		100	100	446							
					446.30						
					438.32		Coarse grained, pale grey, cataclasite, massive, slightly altered with pale yellow/green alteration halos around defects.				
					447.00						
				447	437.62		BASALT: fine to medium grained, black, crystalline, massive, slightly altered.			447.61: J, 10°, CN, CU, RF 447.75: J, 10°, CN, PR, RF	
				448						447.92: J, 10°, CN, PR-IR, RF 448.00: J, 10°, CN, PR, SM 448.15-448.28: J x2, 10°, pale yl CN, PR-CU, SM 448.39: J, 20°, CN, CU, RF	
		100	100							448.70: J, 10°, CN, IR, RF	
				449						448.88: J, 30°, CN, PR-ST, RF	
										449.23-449.96: J x4, 10°, pale yl CN, IR, RF	
				450							

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	47 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Logged:	DG/LB/LB/HF/MFR/P
		LF160			
		Inclination:	-86° Direction: 192°		

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	Groundwater Not Observed	100	100	450			BASALT: fine to medium grained, black, crystalline, massive, slightly altered.	FR	VL .2 L .6 M .20 H .60 VH .200 EH	450.73-450.86: J, 70°, CN, ST, RF 450.76-450.87: J, 20°, CN, CU, RF	10 30 100 300 1000 3000
				451							
		100	100	452						451.43: J, 20°, CN, UN, RF	
				453							
					453.63						
					431.01		GRANITE: medium grained, dark grey, massive, slightly to moderately altered, transition zone from mixed mafic volcanics to granite.			453.53: J, 60°, CN, PR, RF	
				454							
					454.46						
					430.18		Coarse grained, mottled and grey, cataclasite, massive, slightly altered with pale yellow/green alteration halos around defects.				
		100	100	455						455.56: J, 45°, CN, PR, RF	
				456							
					456.30					456.16: J, 10°, CN, IR, RF	
					428.35		Mottled and dark grey, crystalline, mafic intrusions from 456.3 to 456.56 and from 457 to 457.23. slightly to moderately altered with pale yellow/green alteration halos around defects 462.2 to 463.15.			456.38: J, 10°, CN, IR, RF	
				457							
										457.17: J, 60°, CN, PR, RF	
		100	100	458							
				459							
		100	100								
				460	460.00						

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	48 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55		
Client:	Queensland Hydro	Surface RL:	883.24 m AHD		
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Date Started:	27/6/2024
			LF160	Date Completed:	16/10/2024
		Inclination:	-86° Direction: 192°	Logged:	DG/LB/LB/HF/MFR/P

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	Groundwater Not Observed	100	100	460	424.66		GRANITE: coarse grained, mottled and dark grey, crystalline, massive, mafic intrusions from 456.3 to 456.56 and from 457 to 457.23. slightly altered with pale yellow/green alteration halos around defects.	FR	VL .2 L .6 M .20 H .60 VH .200 EH		10 30 100 300 1000 3000
					460.70						
					423.96		Highly to distintive altered.				
				461						461.51: J, 10°, CN, PR, RF-SM	
				462						461.84-462.43: J x4, 10°, pale yl CN, UN-IR, RF	
				463	463.47						
					421.20		LAMPROPHYRE: fine to medium grained, dark grey, porphyritic, massive, phenocrysts up to 2 mm, slightly alrered.			463.80: J, 5°, CN, ST-IR, VR	
		100	100	464							
				465						465.54: J, 10°, CN, IR, RF	
				466						466.03: J, 20°, CN, PR, RF-SM	
										466.45: J, 10°, CN, IR, RF	
										466.67: J, 10°, CN, CU, RF	
		100	100	467						467.17: J, 5°, CN, ST, RF	
										467.55: J, 10°, CN, ST, RF	
				468							
				469						469.18: J, 20°, CN, PR, RF	
		100	100								
				470	470.00					469.76: J, 20°, CN, PR, RF	

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	49 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Logged:	DG/LB/LB/HF/MFR/P
		LF160			
		Inclination:	-86° Direction: 192°		

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	Groundwater Not Observed	100	100	470	414.69		LAMPROPHYRE: fine to medium grained, dark grey, porphyritic, massive, phenocrysts up to 2 mm, slightly alrered.	FR		470.09: J, 30°, gn mi CN, PR, SM-PO, 40 mm	
		100	100	471							
		100	100	472						472.52: J, 20°, CN, PR, RF	
		100	100	473							
					473.95					473.82: J, 20°, CN, PR-ST, RF	
				474	410.75		GRANITE: coarse grained, pink, cataclastite, massive, moderately to highly altered, pale green-yellow alteration.			473.95-474.47: AZ, 60°, multiple yellow-pale healed joints dipping 45-60 degrees. it looks like intrusive breccia CT, PR	
					474.47						
					410.23		LAMPROPHYRE: fine to medium grained, dark grey to grey, porphyritic, massive; with minor altered granite; fine to medium grained, grey to white, crystalline.			474.62: J, 60°, Qtz mi SN, PR, SM, 3 mm	
		100	100	475						475.04: J, 60°, gn VN, PR, VR 475.12: J, 80°, VN, UN-ST-IR, RF 475.20-475.27: J x2, 25°, CN, UN, RF 475.24-475.57: AZ, multiple healed joints dipping 10,30,60 CT, IR-CU 475.57: J, 5°, CN, ST, RF	
				476						475.67-476.00: AZ, multiple healed joints dipping 45,60,75 CT, IR0CU 475.50-476.22: AZ, 60°, pk anastomosed zone CT, PR-IR 475.77-476.10: J x3, 30°, CN, ST, RF	
		100	100	477						477.63: J, 10°, CN, IR, RF	
				478							
				479						478.63-478.87: J, 20°, CN, PR-IR, RF	
				480	480.00						

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	50 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear LF160	Logged:	DG/LB/LB/HF/MFR/P
		Inclination:	-86° Direction: 192°		

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	Groundwater Not Observed	100	100	480	404.72		GRANITE: fine to medium grained, dark grey green, crystalline, massive, slightly to moderately altered.	FR		480.38: J, 10°, CN, IR, RF	
		100	100	481						481.64: J, 20°, CN, IR, RF	
		100	100	482						482.89: J, 20°, CN, PR-IR, RF	
		100	100	483						483.53: J, 30°, CN, PR-CU, RF	
		100	100	484						484.81: J, 5°, CN, IR, RF	
		100	100	485						485.10: J, 15°, CN, PR-IR, RF	
		100	100	486						486.04: J, 40°, CN, PR, RF	
		100	100	487						486.33: J, 40°, CN, PR, RF	
		100	100	488						487.35: J, 80°, Qtz mi CN, PR, RF 487.45: J, 5°, CN, IR, RF 487.50: J, 65°, CN, PR, RF	
		100	100	489						488.07: J, 20°, CN, PR, RF 488.30: J, 20°, CN, PR-IR, RF 488.48: J, 10°, CN, IR, RF	
		100	100	490	490.00					488.92: J, 10°, CN, IR, VR-RF	

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir		
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Sheet	51 OF 91
Client:	Queensland Hydro	Surface RL:	883.24 m AHD		
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Date Started:	27/6/2024
			LF160	Date Completed:	16/10/2024
		Inclination:	-86° Direction: 192°	Logged:	DG/LB/LB/HF/MFR/P

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 60 200	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	Groundwater Not Observed	100	100	490	394.75		GRANITE: fine to medium grained, dark grey green, crystalline, massive, slightly altered.	FR			
					490.18						
					394.57		Medium to coarse grained, mottled and grey, crystalline, massive, 490.77 to 491.92 mafic intrusion.				
				491						491.11: J, 10°, CN, IR, RF	
										491.15-491.45: AZ, 30°, pale yl CT, PR-UN	
										491.80: J, 10°, CN, PR-IR, RF	
				492						492.45: J, 30°, CN, IR, RF	
										492.81: J, 20°, CN, PR, RF	
				493						493.32: J, 70°, CN, UN, RF	
										493.58-493.71: J, 10°, CN, CU, RF	
		100	80	494						494.29-494.80: J, 30°, wh/rd VN, PR, RF	
				495						495.10-495.47: SZ, 45°, rd stained and gy clay VN, IR, RF-SM	
					495.66						
					389.11		BASALT: medium to coarse grained, dark grey, crystalline, massive.				
				496						495.67-496.27: J x9, 30°, wh VN, UN, RF	
										496.38-496.50: J x3, 60°, clay SN, ST-IR, RF	
				497						496.85: J, 60°, CN, ST-IR, RF	
		100	97							497.08-497.22: J x2, 30°, pale yl CN, UN, RF	
										497.45-497.57: J x4, 20°, wh CN, IR, RF	
				498						497.92: J, 60°, CN, PR-UN, RF 497.94: J, 10°, CN, PR-UN, RF	
										498.38: J, 10°, CN, ST-IR, RF	
										498.65: J, 30°, CN, PR, RF	
				499						499.42: J, 20°, CN, PR, RF	
		100	100								
					499.83						
					500.00					499.82: J, 30°, CN, ST, RF	
				500							

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir		
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Sheet	52 OF 91
Client:	Queensland Hydro	Surface RL:	883.24 m AHD		
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Date Started:	27/6/2024
			LF160	Date Completed:	16/10/2024
		Inclination:	-86° Direction: 192°	Logged:	DG/LB/LB/HF/MFR/P

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	Groundwater Not Observed	100	100	500	384.78		GRANITE: coarse grained, mottled and grey, crystalline, massive, slightly altered with pale yellow/green alteration halos around defects.	FR		500.20: J, 10°, CN, IR, RF	
				501						501.17: J, 30°, CN, ST-IR, RF	
										501.69: J, 5°, CN, IR, RF	
				502						502.05-502.19: J, 55°, wh pale yl VN, CU-UN, RF, 30 mm	
										502.65: J, 20°, CN, ST-IR, RF	
		100	100	503						503.18: J, 10°, CN, PR, RF	
										503.85: J, 10°, CN, PR, RF	
				504							
				505							
										505.55-505.70: J x2, 10°, pale yl CN, IR, RF	
		100	100	506							
				507						507.26: J, 10°, CN, IR, RF	
										507.69: J, 10°, CN, IR, RF	
				508							
		100	100	509							
				510	510.00						

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	53 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Logged:	DG/LB/LB/HF/MFR/P
		LF160			
		Inclination:	-86° Direction: 192°		

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	Groundwater Not Observed	100	100	510	374.81		GRANITE: coarse grained, mottled and grey, crystalline, massive, slightly altered with pale yellow/green alteration halos around defects.	FR	VL .2 L .6 M .20 H .60 VH .200 EH		10 30 100 300 1000 3000
		100	100	511							
		100	100	512							
		100	100	513						513.67: J, 5°, CN, IR, VR	
		100	100	514							
		100	100	515							
		100	100	516							
		100	100	517							
		100	100	518							
		100	100	519						519.17: J, 45°, CN, ST-IR, RF	
		100	100	520	520.00					519.68: J, 5°, CN, ST-IR, RF	

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	54 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55		
Client:	Queensland Hydro	Surface RL:	883.24 m AHD		
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Date Started:	27/6/2024
			LF160	Date Completed:	16/10/2024
		Inclination:	-86° Direction: 192°	Logged:	DG/LB/LB/HF/MFR/P

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	Groundwater Not Observed	100	100	520	364.84		GRANITE: coarse grained, mottled and grey, crystalline, massive, slightly altered with pale yellow/green alteration halos around defects.	FR	VL .2 L .6 M .20 H .60 VH .200 EH	520.85: J, 10°, bk VN, PR-UN, RF, 3 mm	10 30 100 300 1000 3000
				521							
										521.62: J, 10°, CN, UN-IR, VR-RF	
				522						522.14: J, 30°, bk VN, PR-UN, RF-SM, 3 mm	
		100	100	523							
				524							
				525						525.26: J, 10°, CN, PR-UN, RF	
										525.64: J, 10°, CN, UN, RF	
				526						526.19: J, 60°, CN, PR-UN, RF	
		100	100	527						527.18: J, 45°, bk and wh VN, PR-UN, RF, 2 mm	
				528						528.32: J, 20°, CN, PR-UN, RF	
					528.65						
					356.22		BASALT: fine to medium grained, dark grey, crystalline, massive, slightly altered with pale yellow alteration halos around defects.				
		100	90	529						529.28: J, 30°, CN, CU-UN, RF	
					529.80					529.40-529.84: AZ, 60°, wh/gn joints and healed joints with orientation of 60° 30° 90° SN-VN, IR	
					355.07		Medium to coarse grained, green and white,				
				530	530.00						

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	55 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Logged:	DG/LB/LB/HF/MFR/P
		LF160			
		Inclination:	-86° Direction: 192°		

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	Groundwater Not Observed	100	90	530	354.87		brecciated, massive, moderately to highly altered, pale green/yellowalteration.	FR	VL .2 L .6 M .20 H .60 VH .200 EH	529.84-530.37: J x4, 60°, wh/gn clay alteration VN, IR, VR	10 30 100 300 1000 3000
					530.40		BASALT: medium to coarse grained, green and white, brecciated, massive, moderately to highly altered, pale green/yellow to pale pink alteration.				
					354.48		GRANITE: medium to coarse grained, pale green/orange, cataclasite, moderately to highly altered, pale green/yellow to pale pink/red alteration.			530.29-530.92: J x3, 20°, wh and gn CN, IR, VR	
				531						531.12: J, 80°, wh and rd CN, PR-UN, RF-SM, 2 mm 531.22: J, 70°, rd SN, CU-UN, RF	
										531.10-531.88: J x2, 20°, CN, CU-UN, RF 531.44-531.68: J, 30°, clay/qtz VN, IR, VR	
				532							
										532.54: J, 20°, CN, CU-UN, RF	
										532.75: J, 45°, CN, CU-UN, RF	
		100	97	533							
										533.31-533.54: J x2, 30°, stain veener clay SN-VN, PR-UN, RF	
										533.64-533.90: J x2, 70°, wh and gn / gy clay VN, PR, RF 533.90: J, 45°, CN, CU-UN, RF 533.90-534.25: AZ, multiple white joints and healed joints with orientation of 90° 60° 30° SN-VN, IR 534.17: J, 45°, CN, ST-IR, RF	
				534							
					534.58						
					350.31		BASALT: fine to medium grained, grey, crystalline, massive, slightly altered with pale yellow/green alteration halos around defects.				
				535						535.12: J, 45°, CN, PR-UN, RF 535.20: J, 60°, Qtz, gn mi CN, CU-UN, RF, 3 mm	
				536							
		100	100							536.15: J, 30°, CN, PR-UN, RF	
										536.65: J, 70°, CN, PR-UN, RF	
					536.91						
				537	347.99		GRANITE: coarse grained, mottled and grey, crystalline, massive, slightly altered with pale yellow/green alteration halos around defects.				
										537.39: J, 30°, CN, PR-UN, RF	
				538							
		100	100	539						539.15: J, 60°, gy VN, IR, VR-RF	
										539.69: J, 45°, CN, UN-IR, RF	
				540							
					540.00						

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	56 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55		
Client:	Queensland Hydro	Surface RL:	883.24 m AHD		
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Date Started:	27/6/2024
			LF160	Date Completed:	16/10/2024
		Inclination:	-86° Direction: 192°	Logged:	DG/LB/LB/HF/MFR/P

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	Groundwater Not Observed	100	100	540	344.90		GRANITE: coarse grained, mottled and grey, crystalline, massive, slightly altered with pale yellow/green alteration halos around defects.	FR		540.52: J, 60°, wh VN, UN, RF	
		100	100	541						541.71: J, 30°, CN, UN, RF	
		100	100	542							
		100	100	543							
		100	100	544							
					544.62 340.30		Up to 10mm mafic inclusions.			544.63: J, 45°, CN, PR, SM	
		100	100	545							
		100	100	546						545.79: J, 5°, CN, PR-UN, RF	
		100	100	547						546.43: J, 10°, CN, IR, RF	
		100	100	548							
		100	100	549						549.12: J, 10°, CN, ST-IR, RF	
		100	100	550	*550.00*					549.47: J, 30°, CN, ST-IR, RF	

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	57 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Logged:	DG/LB/LB/HF/MFR/P
		LF160			
		Inclination:	-86° Direction: 192°		

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	Groundwater Not Observed	100	100	550	334.94		GRANITE: coarse grained, mottled and grey, crystalline, massive, up to 15mm mafic inclusions.	FR	VL .2 L .6 M .20 H .60 VH .200 EH	550.29-550.53: J x2, 45°, gn pale yl CN, PR, RF	10 30 100 300 1000 3000
				551							
				552						552.46: J, 10°, CN, IR, RF	
				553						552.90: J, 20°, CN, PR-UN, RF 553.25: J, 10°, CN, PR-UN, RF	
		100	100	554							
				555						554.65-555.34: J, 85°, wh pale yl VN, PR-UN, RF, 8 mm 555.08-555.43: J x6, 10°, pale yl CN, IR, RF 555.30-555.53: J x5, 80°, wh pale yl VN, PR-UN, RF, 5 mm	
				556							
		100	100	557						557.22: J, 20°, CN, PR-CU, RF 557.53: J, 10°, CN, PR-CU, RF	
				558						558.17: J, 10°, CN, PR-CU, RF 558.45: J, 10°, CN, PR-CU, RF	
		100	100	559							
				560	560.00						

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	58 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear LF160	Logged:	DG/LB/LB/HF/MFR/P
		Inclination:	-86° Direction: 192°		

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	Groundwater Not Observed	100	100	560	324.97		GRANITE: coarse grained, mottled and grey, crystalline, massive, up to 10mm mafic inclusions.	FR			
					560.80						
		100	100	561	324.17		BASALT: fine to medium grained, dark grey, massive.			560.97: J, 20°, wh VN, PR-UN, RF, 3 mm	
				562	*562.31*						
		100	100	563	322.66		GRANITE: coarse grained, mottled and grey, crystalline, massive, slightly altered with pale yellow/green alteration halos around defects.			562.44: J, 20°, CN, UN, RF 562.97: J, 20°, CN, UN, RF	
				564						563.69: J, 10°, CN, UN, RF	
				565						564.34-564.49: J x2, 30°, bk CN, UN, RF	
		100	100	566						565.50: J, 20°, CN, PR, RF	
				567							
		100	100	568						567.45: J, 20°, CN, UN, RF 567.63: J, 20°, CN, PR-UN, RF	
				569							
		100	100	570							

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	59 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear LF160	Logged:	DG/LB/LB/HF/MFR/P
		Inclination:	-86° Direction: 192°		

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	Groundwater Not Observed	100	100	570			GRANITE: coarse grained, mottled and grey, crystalline, massive, slightly altered with pale yellow/green alteration halos around defects.	FR	VL .2 L .6 M .20 H .60 VH .200 EH		10 30 100 300 1000 3000
		100	100	571							
		100	100	572							
		100	100	573							
		100	100	574							
		100	100	575							
		100	100	576							
		100	100	577							
		100	100	578							
		100	100	579							
		100	100	580							

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	60 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Logged:	DG/LB/LB/HF/MFR/P
		LF160			
		Inclination:	-86° Direction: 192°		

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	Groundwater Not Observed	100	100	580			GRANITE: coarse grained, mottled and grey, crystalline, massive, slightly altered with pale yellow/green alteration halos around defects.	FR	VL .2 L .6 M .20 H .60 VH .200 EH		10 30 100 300 1000 3000
				581							
				582							
				583							
					583.47						
					301.57		DOLERITE: fine grained, dark grey/greenish, crystalline, massive, slightly altered with pale yellow alteration halos around defects.			583.59: J, 45°, Qtz VN, PR-UN, RF-SM	
		100	100	584						583.63-584.28: AZ, 55°, pale gn and wh mi CT, IR	
				585						585.30: J, 20°, pale yl SN, ST-IR, RF 585.30-585.44: J, 50°, qz veins VN, PR-UN, RF-SM	
				586						585.35-586.00: AZ, IR 585.85: J, 10°, gn mi SN, ST-IR, RF-SM	
				587							
		100	100		587.28						
					297.77		GRANITE: coarse grained, mottled and grey, crystalline, massive, slightly altered with yellow alteration halos around defects.				
				588						588.20: J, 10°, CN, CU, SM	
										588.50: J, 20°, CN, PR, SM	
				589							
		100	100								
				590							

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	61 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear LF160	Logged:	DG/LB/LB/HF/MFR/P
		Inclination:	-86° Direction: 192°		

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	Groundwater Not Observed	100	100	590			GRANITE: coarse grained, mottled and grey, crystalline, massive, slightly altered with yellow alteration halos around defects.	FR			
				591							
				592						592.84: J, 20°, CN, IR, RF	
		100	100	593						593.19: J, 5°, CN, IR, RF 593.55: J, 10°, CN, IR, RF	
				594						594.26: J, 5°, CN, IR, RF	
				595	595.23						
					289.84		LAMPROPHYRE: fine to medium grained, dark grey, porphyritic, massive, phenocrysts up to 2 mm.				
		100	100	596							
				597	597.00						
					288.08		GRANITE: coarse grained, mottled and grey, crystalline, massive, slightly altered with yellow alteration halos around defects.			596.60-597.69: J, 5°, CN, PR-CU, RF 597.55: J, 5°, CN, CU, RF	
		100	100	598							
				599							
				600	599.94						

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	62 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Logged:	DG/LB/LB/HF/MFR/P
		LF160			
		Inclination:	-86° Direction: 192°		

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	Groundwater Not Observed	100	100	600	285.15		LAMPROPHYRE: fine to medium grained, dark brown, porphyritic, massive, phenocrysts up to 2 mm, cpy and py mi in veins.	FR		599.98: J, 30°, pyrite infill VN, UN-ST, SM, 2 mm	
					600.50						
					284.59		GRANITE: coarse grained, mottled and grey, crystalline, massive, slightly altered with yellow alteration halos around defects.			600.44: J, 25°, CN, PR-CU, SM 600.61: J, 15°, CN, UN-ST, RF	
				601	*601.62*						
		100	97		283.47		BASALT: fine grained, dark grey/greenish, aphantic, massive, slightly altered with yellow alteration halos around defects, py and cpy in veins.			602.09: J, 35°, CN, CU-UN, RF	
				602	*602.95*					602.77-602.89: J x2, 35°, Qtz vein VN, UN-ST, RF 602.85: J, 60°, CN, UN-ST, RF 602.95: J, 45°, bk and wh mi CN, PR-UN, SM	
				603	282.15		GRANITE: coarse grained, mottled and grey, crystalline, massive, slightly altered with yellow alteration halos around defects.				
		100	100	604						604.85: J, 45°, CN, CU-UN, SM	
				605							
				606						606.20-606.42: J x2, 40°, pale yl mi CN, UN, RF 606.28-606.62: J x2, 80°, Qtz veins VN, UN, RF 606.61: J, 15°, CN, UN-ST, RF	
		100	100	607							
				608						607.85: J, 50°, Qtz vein VN, UN, RF-SM, 5 mm 608.08: J, 10°, CN, UN-ST, RF	
				609						608.81: J, 45°, rd stain alteration SN, CU, SM	
										609.18: J, 5°, CN, UN, RF 609.19: J, 5°, CN, UN, RF 609.41: J, 15°, pale yl mi VN, UN, RF	
		100	100	610							

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	63 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Logged:	DG/LB/LB/HF/MFR/P
		LF160			
		Inclination:	-86° Direction: 192°		

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	Groundwater Not Observed	100	100	610			GRANITE: coarse grained, mottled and grey, crystalline, massive, slightly altered with yellow alteration halos around defects.	FR			
				611	611.20					610.97: J, 15°, pale yl mi VN, UN, RF	
		100	100		273.92		BASALT: fine grained, dark grey/greenish, aphantic, massive, slightly altered with yellow alteration halos around defects.			611.20: J, 60°, PR-CU, SM-PO	
				612	612.38					612.32: J, 25°, CN, CU, SM	
					272.75		GRANITE: coarse grained, mottled and grey, crystalline, massive, slightly altered with alteration halos around defects.			612.46: J, 25°, CN, UN-ST, RF	
		100	100	613						613.10: J, 20°, CN, UN-ST, RF	
				614						614.51: J, 30°, CN, UN-ST, RF	
				615						615.18: J, 15°, CN, CU-UN, RF	
				616	616.55					616.33-616.54: J x3, 50°, pale yl mi, CU-UN, RF-SM	
					268.59		LAMPROPHYRE: fine to medium grained, dark grey, porphyritic, massive, phenocrysts up to 2 mm.			616.84: J, 85°, CN, UN-IR, RF	
		100	100	617						617.21-617.35: J, 75°, Qtz vein VN, UN-IR, RF, 3 mm 617.36: J, 40°, CN, UN-IR, RF	
				618						617.89: J, 45°, CN, UN-IR, RF	
				619						618.78-619.00: J, 85°, wh mi SN, UN-IR, RF	
		100	97							619.20-619.32: J, 85°, wh mi SN, UN-IR, RF 619.32: J, 60°, pale yl mi SN-VN, UN-IR, RF 619.30-619.38: J, 85°, wh mi SN, UN-IR, RF 619.39-619.44: J, 75°, wh mi SN-VN, UN-IR, RF	
					619.86						
				620	620.00		DOLERITE: fine to medium grained, dark grey,				

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	64 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Logged:	DG/LB/LB/HF/MFR/P
		LF160			
		Inclination:	-86° Direction: 192°		

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	Groundwater Not Observed	100	97	620	265.15		crystalline, massive, slightly altered.	FR	VL .2 L .6 M .20 H .60 VH .200 EH		10 30 100 300 1000 3000
							DOLERITE: fine to medium grained, dark grey, crystalline, massive, slightly altered.				
				621						621.28: J, 45°, CN, CU, RF	
		100	100	622							
				623							
					623.77						
					261.39		GRANITE: coarse grained, mottled and grey, crystalline, massive, slightly altered with alteration halos around defects.				
				624						624.15: J, 25°, CN, CU-UN, RF	
					624.80						
					260.37		Medium to coarse grained, mottled and grey, crystalline, slightly altered with yellow alteration halos around defects and orange-red alteration.				
				625						624.80-625.34: SZ, 65°, minor clay and granite fragments VN, IR, RF-SM 624.82-625.33: J, 70°, CN, CU-UN, RF 625.37: J, 5°, CN, CU-IR, VR 625.40: J, 45°, CN, CU-IR, RF 625.48-625.54: J x2, 55°, wh mi CN, CU, RF 625.70: J, 45°, CN, CU-ST, RF 625.81: J, 5°, CN, PR-ST, RF	
					625.38						
					259.79		LAMPROPHYRE: fine to medium grained, dark grey, porphyritic, massive, phenocrysts up to 2 mm.				
					625.92						
		100	90	626	259.25		GRANITE: coarse grained, mottled and grey, crystalline, massive, slightly altered with yellow alteration halos around defects.			626.08: J, 45°, CN, CU-ST, RF 626.11: J, 80°, CN, CU-ST, RF 626.23: J, 35°, CN, CU-ST, RF	
										626.72: J, 5°, CN, CU-UN, RF 626.70-626.86: J, 90°, CN, PR-UN, RF 626.92: J, 15°, CN, CU-ST, RF	
				627						627.24: J, 5°, CN, CU-ST, RF	
										627.56: J, 5°, CN, CU-ST, RF	
				628							
		100	100	629						629.72: J, 5°, pale yl SN, CU-ST, RF	
				630							

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Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	65 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Logged:	DG/LB/LB/HF/MFR/P
		LF160			
		Inclination:	-86° Direction: 192°		

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	Groundwater Not Observed	100	100	630			GRANITE: coarse grained, mottled and grey, crystalline, massive, slightly altered with yellow alteration halos around defects.	FR	VL .2 L .6 M .20 H .60 VH .200 EH	630.50: J, 15°, CN, CU-ST, RF	10 30 100 300 1000 3000
		100	100	631							
				632						632.48: J, 45°, gn pale yl VN, CU-UN, SM, 25 mm 632.46-632.85: J, 80°, Qtz mi or stained SN-VN, PR-UN, RF, 5 mm	
		100	100	633						633.10: J, 10°, CN, CU-UN, SM 633.39: J, 15°, CN, CU-UN, RF	
				634							
		100	100	635						635.23: J, 15°, CN, CU-UN, RF	
				636							
		100	100	637							
				638	638.06					637.84: J, 45°, CN, CU-UN, RF	
		100	100	639	247.15		LAMPROPHYRE: fine to medium grained, dark grey, porphyritic, massive, phenocrysts up to 2 mm.				
		100	100	640							

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	66 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear LF160	Logged:	DG/LB/LB/HF/MFR/P
		Inclination:	-86° Direction: 192°		

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	Groundwater Not Observed	100	100	640			LAMPROPHYRE: fine to medium grained, dark grey, porphyritic, massive, phenocrysts up to 2 mm.	FR			
				641							
				642						642.58: J, 20°, CN, UN-ST, RF	
				643							
				644							
		100	100		644.25					644.08: J, 20°, CN, CU-UN, RF	
					240.98		METAGRANITE: coarse grained, mottled and pale pink/orange, crystalline, massive, slightly altered with alteration halos around defects, with crystal reorientation due to metamorphism.				
				645						644.78: J, 20°, CN, CU-UN, RF	
										645.49: J, 10°, CN, CU-UN, RF 645.55: J, 5°, CN, CU-UN, RF	
				646							
		100	100	647							
					647.37						
					237.87		Coarse grained, mottled and grey, crystalline, massive, slightly altered with alteration halos around defects.				
				648							
				649						649.19: J, 45°, CN, CU-UN, RF	
		100	100							649.43-649.63: J x2, 45°, bk CN, CU-UN, SM	
				650	650.00						

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Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	67 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Logged:	DG/LB/LB/HF/MFR/P
		LF160			
		Inclination:	-86° Direction: 192°		

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	Groundwater Not Observed	100	100	650	235.12		GRANITE: coarse grained, mottled and grey, crystalline, massive, slightly altered with alteration halos around defects.	FR		650.23: J, 40°, CN, CU-UN, RF 650.17-650.51: J x2, 80°, Qtz mi veins SN-VN, CU-UN, SM 650.47: J, 5°, CN, CU-UN, RF 650.53: J, 45°, CN, CU, SM 650.81: J, 15°, CN, CU-UN, SM	
				651			Coarse grained, mottled and pale pink/orange, crystalline, massive, slightly altered with pink alteration halos around defects, possible aplite.			651.21: J, 25°, CN, CU-UN, SM 651.57: J, 35°, CN, CU-UN, SM 651.67: J, 85°, Qtz mi vein SN-VN, CU-UN, SM 651.69-651.85: SZ x5, 10°, fractures CN, IR, RF-SM	
				652							
		100	100	653	653.00 232.25		Medium to coarse grained, pink/greenish, crystalline, massive, slightly altered with yellow/green alteration halos around defects.			653.09: J, 40°, CN, CU-UN, RF 653.17: J, 5°, CN, UN-ST, RF 653.26: J, 25°, CN, CU-UN, RF 653.35: J, 2°, CN, UN-ST, RF 653.53: J, 25°, red mi SN, CU-UN, SM 653.75: J, 35°, red mi CN, CU-UN, SM	
				654	654.00 231.26		Coarse grained, mottled and grey, crystalline, massive, slightly altered with yellow alteration halos around defects.				
				655						655.04-655.19: IS, 40°, wh with granitic feldspar VN, PR-CU 655.49: J, 15°, VN, PR-CU-UN, RF	
		100	87	656							
				657						657.16: J, 5°, VN, UN-PR, RF	
					657.50 227.77		Fine to medium grained, pale grey pale grey grey, aphantic, massive.			657.51-657.62: IS, 30°, VN, RF 657.62-657.73: CS, with multiple joints VN, PR-CU-IR, RF 657.72-657.99: CS, VN, RF	
				658						658.09: J, 70°, VN, PR-CU-IR, RF 658.27: J, 15°, VN, PR-CU, RF 658.46: J, 10°, VN, PR-CU-UN, RF	
		100	88	659	658.90 226.37		BASALT: fine to medium grained, dark grey black, massive.			658.79: J, 20°, VN, PR-CU, RF 659.38: J, 10°, VN, PR-CU, RF 659.51: J, 35°, VN, PR-CU, RF 659.59: J, 50°, VN, PR-CU-UN, RF	
				660							

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	68 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Logged:	DG/LB/LB/HF/MFR/P
		LF160			
		Inclination:	-86° Direction: 192°		

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	Groundwater Not Observed	100	88	660			BASALT: fine to medium grained, dark grey black, massive.	FR	VL .2 L .6 M .20 H .60 VH .200 EH	660.16-660.43: J, 45°, VN, PR-CU-UN, RF 655.36-665.52: IS, 25°, granitic feldspar in lamprophyre infilled, PR-CU	10 30 100 300 1000 3000
					661.00						
				661	224.28		GRANITE: fine to medium grained, pale grey black dark grey pale green, aphantic, massive, slightly altered.			660.93: J, 20°, VN, PR-CU, RF 661.29: J, 25°, VN, CU-PR-UN, RF 661.38: J, 20°, VN, PR-CU, RF	
		100	100							661.79: J, 40°, VN, PR-CU, RF 661.81-662.50: J, 90°, VN, PR, RF, the joint is opened from 661.81 to 662.28 where it intersects another joint. after that it's closed and healed and continues till 662.50. presence oh k-feldspar was also observed along the joint 662.25: J, 50°, VN, PR-CU-UN, RF 662.54-662.63: J, 50°, VN, PR, RF, parallel joint at 662.60 662.64-662.80: J, 55°, VN, PR, RF, joint runs in parallel from 662.70 to 662,83 with presence of k feldspar around the joints 663.09-663.14: IS, 35°, infilled, basaltic intrusion	
				662							
				663						663.61: J, 35°, VN, PR, RF	
		100	100							663.87: J, 65°, VN, PR, RF 663.91: J, 50°, VN, PR, RF 663.95: J, 35°, VN-CT, PR, RF, intersection with vein	
				664							
				665						664.99: J, 45°, VN, PR, RF-SM	
				666							
				667							
		100	100								
				668							
				669						669.35-669.46: J, 50°, VN, PR, RF-SM, break from upper side due to manual handling	
		100	97	670							

Comments

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	69 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Logged:	DG/LB/LB/HF/MFR/P
		LF160			
		Inclination:	-86° Direction: 192°		

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	Groundwater Not Observed	100	97	670			GRANITE: fine to medium grained, pale grey black dark grey pale green, aphantic, massive, slightly altered.	FR	VL .2 L .6 M .20 H .60 VH .200 EH	670.29: J, 45°, VN, PR, RF	10 30 100 300 1000 3000
				671						671.01: J, 90°, VN, PR-CU, RF 671.01-671.23: J, 45°, VN, CU-PR-UN, RF 671.13: J, 40°, VN, PR-CU, RF	
				672						671.79: J, 20°, VN, PR, RF	
										672.48: J, 30°, VN, PR-CU, RF 672.66: J, 30°, VN, PR-CU, RF	
		100	100	673							
				674	674.25					673.92: J, 25°, VN, PR, RF	
					211.07 674.61		BASALT: fine grained, dark grey to black, crystalline, massive.				
					210.71		GRANITE: fine to medium grained, pale grey black dark grey pale green, aphantic, massive, slightly altered.			674.70: J, 25°, VN, PR-UN-IR, RF	
		100	100	675							
				676							
				677							
		100	100	678						678.23: J, 80°, likely quartz infill VN-CT, CU-UN-ST, RF	
				679							
		100	100	680						679.81: J, 25°, VN, PR-CU, RF	

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	70 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Logged:	DG/LB/LB/HF/MFR/P
		LF160			
		Inclination:	-86° Direction: 192°		

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	Groundwater Not Observed	100	100	680			GRANITE: fine to medium grained, pale grey black dark grey pale green, aphantic, massive, slightly altered.	FR			
				681	681.06						
					204.28		BASALT: fine to fine grained, dark black, aphantic, massive, slightly altered.			681.25: J, 45°, VN, PR, RF	
					681.61						
		100	100		203.73		GRANITE: medium to coarse grained, pale green black dark grey, crystalline, massive, moderately altered.				
				682						682.42: J, 35°, VN, PR, RF 682.58: J, 30°, VN, PR, RF 682.75: J, 45°, VN, PR-UN, RF	
				683						682.95: J, 60°, VN, PR-CU-UN, RF 683.09: J, 20°, VN, PR, RF 683.33: J, 20°, VN, PR, RF	
		100	100								
				684						684.14: J, 45°, VN, PR, RF 684.55: J, 5°, VN, PR-CU, RF	
				685						685.21: J, 25°, VN, PR-CU, RF 685.45: J, 45°, VN, PR, RF	
				686						685.86: J, 35°, VN, PR, RF	
		100	100							686.68: J, 45°, VN, PR-UN-ST, VR	
				687						687.14: J, 25°, VN, PR-CU-UN, RF 687.30: J, 20°, VN, PR-CU-UN, VR	
										687.69: J, 10°, VN, PR, RF	
				688						687.91: J, 10°, VN, PR, RF 687.86-687.99: J, 50°, VN, PR, RF	
		100	100							688.57: J, 30°, VN, PR-CU, SM 688.61: J, 45°, VN, PR-UN, RF	
				689							
				690							

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	71 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear LF160	Logged:	DG/LB/LB/HF/MFR/P
		Inclination:	-86° Direction: 192°		

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	Groundwater Not Observed	100	100	690			GRANITE: medium to coarse grained, pale green black dark grey, crystalline, massive, moderately altered.	FR		690.52: J, 10°, VN, PR, RF-SM	
		100	100	691						691.69: J, 20°, VN, PR-CU, RF	
				692						692.43: J, 25°, VN, PR-CU, RF 692.72: J, 40°, VN, PR-CU, RF	
		100	100	693						693.30: J, 40°, VN, PR-CU, RF 693.60: J, 15°, VN, PR-UN-CU, RF	
				694						694.27: J, 30°, VN, PR-CU, RF 694.61: J, 10°, VN, PR-CU, RF	
				695	695.13						
		100	100		190.25		BASALT: fine to fine grained, dark black, aphantic, massive, slightly altered.				
					695.55						
				696	189.83		GRANITE: medium to coarse grained, pale green black dark grey, crystalline, massive, moderately altered.			695.51-695.58: J, 45°, joint including vein set with k feldspar and quartz VN, PR-CU-UN, RF 695.91: J, 40°, VN, PR-CU-UN, RF	
										696.30: J, 35°, VN, UN-IR, RF 696.44: J, 75°, VN, UN, RF	
				697						696.81: J, 30°, VN, PR-CU, RF 696.91: J, 40°, VN, PR-CU, RF	
		100	97	698							
				699						698.81-698.86: J, 45°, VN, PR-CU-UN, RF	
										699.25: J, 15°, VN, PR-CU, RF 699.44: J, 20°, VN, CU-PR, RF	
		100	100	700							

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	72 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Logged:	DG/LB/LB/HF/MFR/P
		LF160			
		Inclination:	-86° Direction: 192°		

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	Groundwater Not Observed	100	100	700			GRANITE: medium to coarse grained, pale green black dark grey, crystalline, massive, moderately altered.	FR		700.06: J, 20°, VN, PR-CU-UN, RF 700.13: J, 10°, VN, PR-CU, RF	
										700.66: J, 20°, VN, PR-CU, RF 700.83: J, 30°, VN, PR-CU, RF 700.96: J, 10°, VN, PR-CU-UN, RF	
				701						701.25: J, 15°, VN, PR-CU, RF	
										701.51: J, 25°, VN, PR, RF	
				702						702.13: J, 25°, embedded healed joints within the joint VN, PR, RF 702.40: J, 25°, VN, PR-CU, RF	
		100	100	703							
				704							
					704.65						
					180.76		BASALT: fine grained, black, aphantic, slightly altered.			704.69-704.82: J, 60°, VN, PR, RF 704.91: J, 40°, VN, PR, RF	
				705						705.43: J, 5°, VN, PR, RF	
					705.70						
					179.72		GRANITE: medium grained, crystalline, massive, altered with yellow halos around defects.				
				706							
					706.83						
					178.59		BASALT: fine grained, dark black, aphantic, massive.			706.87: J, 45°, VN, PR-UN-ST, RF	
		100	100	707						707.36: J, 10°, VN, PR-UN, RF 707.38: J, 5°, VN, PR, RF 707.40: J, 45°, joint material was disturbed by manual handling VN, PR-UN-IR, RF	
				708							
					708.22						
					177.20		GRANITE: medium to coarse grained, pale grey mottled, crystalline, massive, altered with yellow halos around defects.			708.20: J, 20°, VN, PR-CU, SM	
										708.69: J, 10°, VN, PR, RF	
				709						709.12: J, 15°, VN, PR-CU, RF	
		100	93	710							

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	73 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear LF160	Logged:	DG/LB/LB/HF/MFR/P
		Inclination:	-86° Direction: 192°		

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 60 200	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	Groundwater Not Observed	100	93	710			GRANITE: medium to coarse grained, pale grey mottled, crystalline, massive, altered with yellow halos around defects.	FR			
				711							
					711.97						
		100	100	712	173.46		LAMPROPHYRE: fine to medium grained, pale green black with pale orange with pale grey, porphyritic, massive, phenocrysts up to 2 mm.			712.02: J, 20°, healed joints and drill marks around the VN, PR-CU, RF	
				713						712.66: IS, 40°, orthoclase infill infilled, PR 712.70: J, 45°, VN, PR-CU, RF 712.78: J, 20°, VN, PR-CU-UN, RF 712.79: J, 25°, VN, PR-CU-UN, RF	
					713.40					713.24: J, 40°, VN, PR-CU-IR, RF	
		100	100	714	172.04		GRANITE: coarse grained, dark grey mottled, crystalline, massive, slightly to moderately altered.				
				715							
				716							
		100	100		*716.20*						
					169.25		BASALT: fine grained, dark grey black, aphantic, massive.			716.25: J, 28°, CN, PR-CU-UN, RF	
					716.60						
					168.85		GRANITE: medium to coarse grained, dark grey mottled, crystalline, massive, moderetaly altered.				
				717							
				718						718.50: J, 60°, CN, PR-UN, SM-RF	
		100	100	719							
					719.25						
					166.21		Highly altered, pale green and yellow halos.				
					719.75		LAMPROPHYRE: fine to medium grained, pale grey with yellow, porphyritic, massive, phenocrysts up to 2 mm, slightly altered.			719.35-719.75: AZ, 70°, PR-IR 719.48-719.73: J x3, 45°, pale yl SN-CN, UN-PR, SM-RF	
					165.71					719.74: J, 5°, CN-SN, PR, SM	
				720	*720.00*						

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	74 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Logged:	DG/LB/LB/HF/MFR/P
		LF160			
		Inclination:	-86° Direction: 192°		

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	Groundwater Not Observed	100	100	720	165.46		LAMPROPHYRE: fine to medium grained, pale grey with yellow, porphyritic, massive, phenocrysts up to 2 mm.	FR	VL .2 L .6 M .20 H .60 VH .200 EH	719.95: J, 45°, SN-CN, PR-UN, RF 720.17: J, 5°, CN, IR, SM	10 30 100 300 1000 3000
					720.61						
		100	100		164.85		GRANITE: medium to coarse grained, dark grey mottled, crystalline, massive.				
				721							
										721.73: J, 55°, gn CN-SN, IR, RF	
		100	100	722							
				723	723.21						
					162.26		LAMPROPHYRE: fine to medium grained, pale grey with yellow, porphyritic, massive, phenocrysts up to 2 mm.				
					723.70						
					161.77		GRANITE: medium to coarse grained, dark grey mottled, crystalline, massive.			723.87: J, 20°, IR-PR, SM	
				724	724.16					724.02: J, 10°, CN, IR, SM	
					161.31		LAMPROPHYRE: fine to medium grained, pale grey with yellow, porphyritic, massive, phenocrysts up to 2 mm.			724.20: J, 30°, CN, IR, RF	
					724.70						
					160.77		GRANITE: medium to coarse grained, dark grey mottled, crystalline, distinct, slightly to moderately altered.				
		100	100	725							
										725.66: J, 20°, VN, IR-CU, SM	
				726						725.88: J, 20°, CN, IR-UN, RF	
										726.34: J, 20°, CN, PR, RF	
					726.88						
				727	158.60		Hydrothermal fluids (veins) alteration.			727.02: J, 45°, CN, UN-CU, RF	
										727.53: J, 45°, CN, PR, SM 727.15-728.00: SZ, 90°, multiple fractures CN, IR, RF-SM	
				728						727.56-728.26: J, 90°, CN, ST-IR, RF	
		100	100		728.40						
					157.09		Medium grained, dark grey mottled, crystalline, distinct.				
										728.74: J, 50°, pk, wh pale yl VN-CT, PR-CU, RF, 12 mm	
				729							
		100	100		730.00					729.90: J, 60°, CN, ST-PR, RF	
				730							

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	75 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear LF160	Logged:	DG/LB/LB/HF/MFR/P
		Inclination:	-86° Direction: 192°		

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	Groundwater Not Observed	100	100	730	155.49			FR	VL 2 L 6 M 20 H 60 VH 200 EH		10 30 100 300 1000 3000
					730.21		GRANITE: medium to coarse grained, dark grey mottled, crystalline, massive, slightly to moderately altered.				
					155.28		BASALT: fine grained, dark grey black, aphantic, massive.			730.40: J, 60°, CN, PR, RF	
					730.68					730.66: J, 50°, CN, PR, RF	
					154.81		GRANITE: medium to coarse grained, dark grey mottled, crystalline, massive, slightly to moderately altered.			730.72: J, 60°, CN-VN, PR, RF	
				731							
		100	100							731.26-731.42: J, 20°, CN, PR, SM	
				732							
				733						733.70: J, 30°, CN, PR, RF	
										733.97: J, 10°, CN, PR, SM	
		100	100	734							
				735						734.70: J, 10°, CN, IR-UN, RF	
										735.28: J, 25°, CN, IR, RF	
				736							
				737							
		100	100							737.11: J, 20°, CN, PR, SM	
					737.65						
					147.86		LAMPROPHYRE: fine to medium grained, pale grey with yellow, porphyritic, massive, phenocrysts up to 2 mm.				
				738						738.33-738.52: J, 60°, CN, IR-UN, RF	
				739						739.14: J, 60°, rd, wh CN, PR, RF	
		100	100								
				740	740.00					739.82: J, 10°, CN, IR-UN, SM	

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	76 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Logged:	DG/LB/LB/HF/MFR/P
		LF160			
		Inclination:	-86° Direction: 192°		

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	Groundwater Not Observed	100	100	740	145.52		LAMPROPHYRE: fine to medium grained, pale grey with yellow, porphyritic, massive, phenocrysts up to 2 mm.	FR		740.15: J, 15°, CN, PR, SM	
					740.22						
					145.30		DOLERITE: fine grained, pale grey green, crystalline, massive.			740.57: J, 30°, CN, PR, SM	
				741							
				742							
		100	100	743						742.81-742.85: J x3, 50°, bk SN, PR, RF	
										743.42: J, 50°, CT, PR, RF	
				744						743.69: J, 30°, CT, PR, RF 743.80: J, 30°, SN, PR, RF 743.80-743.90: J, 85°, SN, UN, RF 743.94: J, 30°, SN, PR, RF	
										744.30-744.47: Jx2, 20°, CT, PR, RF	
					744.70						
					140.84		Alteration in micro granite red yellow k feldspar.			744.86: J, 65°, SN-CT, PR, RF	
				745	*745.17*					745.05-745.17: Jx3, 70°, SN, PR, RF	
					140.37		Mix between dolerite and granite.				
		100	100	746						745.71-745.75: J x2, 45°, wh CT, PR, RF	
										746.46: J, 60°, CT, PR, RF	
				747						747.21: J, 35°, CN, PR, RF	
										747.49: J, 45°, CN, PR-ST, RF-SM 747.60: J, 20°, CN, PR, RF	
				748							
		100	100	749						748.84: J, 10°, CT, UN-IR, RF	
										749.07-749.12: J x2, 55°, bk CT, CU-PR-UN, RF	
										749.68: J, 30°, CN, PR-UN, RF	
				750	*750.00*						

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	77 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear LF160	Logged:	DG/LB/LB/HF/MFR/P
		Inclination:	-86° Direction: 192°		

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 60 200	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	Groundwater Not Observed	100	100	750	135.55		GRANITE: medium to coarse grained, dark grey mottled, crystalline, massive.	FR		750.24: J, 15°, CN, PR-IR, RF 750.62: J, 45°, CN, CU, RF	
				751	751.20						
		100	100	752	134.36		MIXED LAMPROPHYRE AND GRANITE: lamprophyre is fine to medium grained, dark grey to grey with grey phenocrysts, porphyritic, massive; altered granite is medium to coarse grained, grey to white mottled dark grey, crystalline, massive.			751.85: J, 45°, CT-SN, PR, RF 752.35: J, 15°, CN-CT, PR, RF	
				753						753.14: J, 25°, CT-SN, UN-ST, RF	
		100	100	754						754.60: J, 20°, CT, PR, RF 754.83: J, 45°, CT-SN, PR, RF	
				755							
		100	100	756							
				757						757.74: J, 80°, CN, PR, RF	
		100	100	758						758.79: J, 25°, SN, PR, RF 759.07-759.16: J x2, 30°, nk pale yl SN, PR-UN, RF	
				759							
		100	100	760							

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	78 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Logged:	DG/LB/LB/HF/MFR/P
		LF160			
		Inclination:	-86° Direction: 192°		

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	Groundwater Not Observed	100	100	760			MIXED LAMPROPHYRE AND GRANITE: lamprophyre is fine to medium grained, dark grey to grey with grey phenocrysts, porphyritic, massive; altered granite is medium to coarse grained, grey to white mottled dark grey, crystalline, massive.	FR	VL .2 L .6 M .20 H .60 VH .200 EH	760.43: J, 5°, CN, PR-UN, RF	10 30 100 300 1000 3000
				761							
					761.70					761.58: J, 10°, CN, PR-UN, RF	
					123.89		LAMPROPHYRE: fine to medium grained, pale grey with yellow, porphyritic, massive, phenocrysts up to 2 mm, granite remanents..			761.85: J, 10°, CN, PR, SM 761.94: J, 45°, wh mi CN, PR, SM	
				762						762.32: J, 5°, CN, UN, RF	
		100	100	763						763.50: J, 45°, CN-VN, PR-UN, SM	
				764						764.03: J, 80°, wh CN, PR, SM	
				765						764.74: J, 45°, CN, PR, SM	
										765.37: J, 50°, CN, PR, RF	
		100	100	766							
				767							
				768							
				769							
		100	100	770							

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	79 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Logged:	DG/LB/LB/HF/MFR/P
		LF160			
		Inclination:	-86° Direction: 192°		

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	Groundwater Not Observed	100	100	770			LAMPROPHYRE: fine to medium grained, pale grey with yellow, porphyritic, massive, phenocrysts up to 2 mm, granite remanents..	FR			
				771						771.05: J, 30°, CN, PR-IR, RF	
		100	100	772						772.68: J, 20°, CN, PR, RF	
				773							
				774						774.52: J, 20°, CN, PR, SM	
		100	100	775							
				776						775.80: J, 45°, CN, PR-UN, RF-SM	
										776.60: J, 20°, CN, PR, RF-SM	
				777						777.01: J, 50°, CN, PR, SM	
		100	100	778							
				779	779.00					778.90: J, 60°, Qtz vein CN, PR, RF	
					106.64		GRANITE: fine grained, pale green pale grey yellow, crystalline, massive, moderately to slightly altered, yellow alteration halos around the defects.			779.45: J, 50°, CN, PR, RF	
				780	780.00						

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	80 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Logged:	DG/LB/LB/HF/MFR/P
		LF160			
		Inclination:	-86° Direction: 192°		

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	Groundwater Not Observed	100	100	780	105.64		GRANITE: fine grained, pale green pale grey yellow and pale pink, crystalline, massive, moderately to slightly altered, yellow alteration halos around the defects.	FR			
		100	97	781						781.08-781.20: SZ, 45°, multiple joints in same direction small intrusion pink red SN, PR, RF-SM	
				782						782.10: J, 5°, CN, PR, RF 782.21: J, 30°, SN, PR, SM	
				783						782.80: J, 30°, rd, br SN, UN-IR, RF	
					783.19 102.46		Moderately altered, yellow alteration halos around defects, mafic and felsic inclusions up to 10mm.			783.00-783.60: J, 70°, pk, wh SN-CT-VN, PR-UN, RF	
		100	100	784							
				785						785.25-785.91: J, 30°, gn, rd CN-SN, PR, RF-SM	
					785.90 99.76		LAMPROPHYRE: fine to medium grained, grey, porphyritic, massive, phenocrysts up to 2 mm, slightly altered.				
				786							
				787						787.20-787.28: J, 5°, PR, RF-SM	
				788						787.65-787.97: J x2, 20°, pale yl CN, PR, RF-SM	
		100	100		788.30 97.37		GRANITE: medium to coarse grained, pale grey mottled, crystalline, massive, moderately altered, yellow alteration halos around defects.				
				789						789.43: J, 70°, wh mi CN, PR-UN, RF	
		100	100	790							

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	81 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear LF160	Logged:	DG/LB/LB/HF/MFR/P
		Inclination:	-86° Direction: 192°		

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 60 200	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	Groundwater Not Observed	100	100	790	~~790.07~~ 95.58		LAMPROPHYRE: fine to medium grained, grey, porphyritic, massive, phenocrysts up to 2 mm.	FR			
							GRANITE: medium to coarse grained, pale grey mottled, crystalline, massive.				
				791							
		100	100		791.50 94.18		LAMPROPHYRE: fine to medium grained, grey, porphyritic, massive, phenocrysts up to 2 mm.			791.60: J, 30°, gn, rd 20mm vein size VN-SN, PR-UN, RF-SM, 20 mm 791.66-791.66: J, 20°, CN, IR, RF 791.67-792.35: AZ, 45°, wh mi gn red alteration deps:90/20/60, PR-IR-UN	
				792	792.36 93.32					792.50: J, 20°, CN, UN, RF	
										792.82: J, 20°, wh infill infilled, UN, SM-RF	
				793	793.80 91.89					793.20-794.13: J x5, 20°, pale yl CN, IR-UN, SM-RF	
		100	100	794			GRANITE: medium to coarse grained, pale grey mottled, crystalline, massive.			794.04-795.12: J x3, 10°, wh CN, IR, SM-RF	
				795							
				796						796.15-796.22: J x2, 10°, CN, PR, SM	
		100	100	797						797.20-797.42: J, 20°, CN, PR, SM-RF, 5 mm	
				798						798.08: J, 2°, CN, IR, SM-RF	
										798.52: J, 20°, CN, IR-PR, SM-RF	
										798.81: J, 20°, CN, PR, SM	
		100	100	799						799.68: J, 45°, CN, PR, SM-RF	
										799.87: J, 5°, CN, PR, SM-RF	
				800							

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	82 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear LF160	Logged:	DG/LB/LB/HF/MFR/P
		Inclination:	-86° Direction: 192°		

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	Groundwater Not Observed	100	100	800			GRANITE: medium to coarse grained, pale grey mottled, crystalline, massive.	FR	VL .2 L .6 M .20 H .60 VH .200 EH	800.63: J, 5°, CN, IR, SM	10 30 100 300 1000 3000
				801						801.24: J, 10°, CN, ST, SM-RF	
					801.56					801.10-801.81: J, 60°, CN, PR-UN, RF-SM	
					84.15		Fine grained, pale grey green, altered microgabbro.			801.57: J, 30°, CN, IR, RF	
		100	100	802						802.26: J, 60°, gn VN, PR-UN, RF	
				803						803.26: J, 10°, CN, PR, RF-SM	
				804						803.40-804.45: J x3, 80°, rd stained CN-SN, PR-UN, SM-RF	
				805							
					805.40					805.32: J, 20°, CN, PR, SM	
					80.32		Slightly altered.			805.48: J, 60°, yl stained SN, PR-CU	
		100	100	806						805.96: J, 30°, clay infill SN, PR-UN, RF-SM	
				807						807.17-807.40: J x2, 10°, CN, PR-UN, RF	
				808							
		100	100	809							
				810							
					810.00						

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir		
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Sheet	83 OF 91
Client:	Queensland Hydro	Surface RL:	883.24 m AHD		
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Date Started:	27/6/2024
		LF160		Date Completed:	16/10/2024
		Inclination:	-86° Direction: 192°	Logged:	DG/LB/LB/HF/MFR/P

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	Groundwater Not Observed	100	100	810	75.74		DOLERITE: fine grained, pale grey green, crystalline, massive, altered microgabro.	FR		810.03: J, 5°, CN, PR, SM-RF	
										810.60: J, 30°, CN, PR, RF	
				811	811.18					810.82-810.97: J x2, 20°, CN, IR-ST, RF 810.95: J, 45°, CN, IR, RF	
					74.56		Highly altered, distinctive cataclasite texture.			811.15: J, 30°, CN, UN, RF	
										811.22-811.55: J x3, 30°, gn and br mi VN, PR, RF-SM	
					811.98					811.82: J, 80°, gn mi VN, UN-IR, RF	
				812	73.76					811.94: J, 30°, CN, PR-IR, RF-VR	
		100	100							812.30: J, 30°, yl mi SN, PR-UN, SM-RF	
				813						812.94: J, 38°, bk yl mi SN, PR, RF-SM	
										813.55: J, 45°, wh mi CN, UN, RF	
										813.70-813.92: J x2, 45°, CN, PR, SM 813.92: J, 5°, rd mi CN-SN, PR, SM	
				814							
				815						815.02: J, 20°, CN, PR, RF-SM	
		100	88							815.38: J, 10°, CN, UN, SM-RF	
										815.61: J, 10°, CN, UN-IR, SM	
				816						815.91-816.07: J x6, 30°, CN, PR-UN, RF	
				817						816.83: J, 45°, br mi CN, PR, RF-SM	
										817.08: J, 20°, CN, PR-IR-ST, RF-SM	
				818						817.60-817.80: J x4, 30°, wh mi VN, PR-UN, RF	
		100	95		818.34						
					67.42		GRANITE: medium to coarse grained, pale grey mottled, crystalline, massive.				
				819						818.93: J, 20°, CN, IR, RF	
										819.05-819.65: J x4, 30°, gn mi CN, PR-UN, SM-RF	
		100	100	820	820.00						

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	84 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Logged:	DG/LB/LB/HF/MFR/P
		LF160			
		Inclination:	-86° Direction: 192°		

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	Groundwater Not Observed	100	100	820	65.77		GRANITE: medium to coarse grained, pale grey mottled, crystalline, massive.	FR		820.16: J, 20°, wh mi CN, PR-UN-CU, RF 820.44: J, 10°, CN, UN, SM	
				821						821.09: J, 45°, CN, PR, RF 821.44: J, 20°, CN, PR, RF	
				822						821.82-821.90: J x3, 20°, CN, PR, RF	
				823						822.33-822.65: J x3, 30°, CN, PR-ST-IR, RF 822.88: J, 30°, CN, PR-UN, RF-SM 823.08-823.28: J x2, 20°, CN, PR-UN, RF-SM	
		100	100	824						823.63-823.84: J x3, 20°, CN, PR-UN, RF 824.03: J, 30°, CN, PR-UN, RF	
				825						824.45: J, 20°, CN, UN, RF 824.56-824.70: J, 60°, wh CN-VN, PR, SM-RF 824.75: J, 30°, CN, PR, RF	
				826						825.13-825.63: J x3, 30°, CN, PR, SM-RF	
				827	827.00 58.79		Highly to moderately altered.			826.00: J, 30°, CN, PR, SM 826.10: J, 20°, CN, IR, RF 826.47: J, 20°, CN, PR, SM 826.90: J, 30°, CN, PR-UN, RF-SM 827.00-827.06: J, 30°, CN, UN-IR, RF	
		100	93	828						827.56-828.35: J x5, 30°, rd mi VN, IR, RF	
				829						828.52: J, 30°, CN, PR-UN, RF-SM 828.54: J, 60°, CN, PR-UN, RF 828.84-829.48: J x7, 30°, rd mi CT, IR-UN, RF-SM	
		100	100	830	830.00					829.38-829.80: J x4, 10°, dark gy CT, IR-ST, SL-SM	

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	85 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear LF160	Logged:	DG/LB/LB/HF/MFR/P
		Inclination:	-86° Direction: 192°		

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	Groundwater Not Observed	100	100	830	55.80		GRANITE: medium to coarse grained, pale grey mottled, crystalline, massive, highly to moderately altered.	FR		830.00: J, 20°, CN, UN, SM	
										830.78: J, 10°, CN, IR-UN, RF	
				831						830.88: J, 5°, CN, UN-PR, SM	
										831.37: J, 45°, CN, PR-UN, RF	
				832						831.96-832.04: J, 45°, CN, UN-IR, RF-SM	
										832.00-832.35: J x4, 55°, CN, PR-UN-IR, RF-SM	
										832.35: J, 5°, CN, PR-IR, RF-SM	
										831.97-832.95: J, 20°, CN, PR, SM-RF	
										832.59: J, 10°, CN, PR-UN, RF	
		100	97	833						832.89: J, 60°, CN, UN, RF	
										833.08: J, 60°, gn mi VN, UN, RF-SM	
										833.60: J, 45°, CN, PR, RF-SM	
				834						834.06: J, 20°, Qtz mi CN-VN, PR, RF	
					834.40						
					51.41		Fine to medium grained, pale grey green, crystalline, massive, microgranite remanents.			834.41: J, 5°, CN, IR, RF-VR	
										834.82: J, 20°, CN, UN, RF	
				835						835.09: J, 60°, CN, UN-IR, RF	
										835.12: J, 30°, CN, UN, RF	
										835.40: J, 20°, CN, PR-IR, RF	
										835.54: J, 30°, CN, IR, RF	
		100	100	836						836.40: J, 60°, CN, ST, RF	
										836.72: J, 10°, CN, IR, RF	
				837						836.90: J, 10°, CN, ST-IR, RF-SM	
										837.22: J, 45°, CN, IR-PR, RF	
										837.25: J, 45°, CN, ST-IR, RF	
				838						837.95: J, 5°, CN, IR-UN, SM	
					838.50						
					47.32		BASALT: fine grained, dark grey black, aphantic, massive.			838.10-838.53: J x4, 30°, CN, PR-IR, RF	
										837.87-838.87: J, 10°, CN, IR-UN, RF-SM	
										838.56: J, 10°, CN, IR, RF	
		100	100		839.00					838.77: J, 5°, CN, PR, RF	
				839						838.87: J, 30°, CN, PR, RF	
					46.83		GRANITE: medium to coarse grained, pale grey green, crystalline, massive, moderately to slightly altered, green, pink iron oxides and pyrite nodules <5mm.			839.00: J, 10°, CN, PR-UN, SM	
										839.56-839.56: J x2, 5°, CN, PR, RF	
				840	840.00						

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	86 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear LF160	Logged:	DG/LB/LB/HF/MFR/P
		Inclination:	-86° Direction: 192°		

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	Groundwater Not Observed	100	100	840	45.83		GRANITE: medium to coarse grained, pale grey green, crystalline, massive.	FR		839.92: J, 80°, CN, PR-UN, SM 840.08: J, 45°, CN, IR-PR, RF 840.50: J, 10°, CN, IR, RF 840.71: J, 45°, CN, ST-IR, RF	
		100	100	841						841.22: J, 20°, CN, ST-IR, RF-SM 841.48: J, 30°, CN, IR-ST, RF 841.52: J, 20°, CN, IR-ST, RF 841.54: J, 45°, CN, UN-CU, RF	
				842	842.00 43.84		Medium to coarse grained, pale grey mottled, crystalline, massive.			842.48: J, 20°, CN, IR, RF 842.74: J, 20°, CN, PR, RF	
		100	100	843						843.14: J, 15°, CN, IR, RF 843.22-843.55: J, 10°, CN, IR, RF	
				844							
		100	100	845						844.31: J, 30°, CN, IR-PR, RF	
				846							
		100	100	847						846.34: J, 30°, CN, ST-IR, RF 847.00: J, 70°, CN, UN, RF 847.30: J, 30°, gn VN, PR, SM-RF, 8 mm 847.60: J, 20°, CN, PR-IR, RF	
				848						848.10: J, 30°, CN, IR, RF 848.13: J, 13°, CN, IR, RF	
		100	100	849						849.42: J, 10°, CN, ST-IR, RF	
		100	100	850	849.70 36.16 850.00		Multiples xenoliths up to 150mm of micrigranite in granite matrix.				

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	87 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Logged:	DG/LB/LB/HF/MFR/P
		LF160			
		Inclination:	-86° Direction: 192°		

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	Groundwater Not Observed	100	100	850	35.86		GRANITE: medium to coarse grained, pale grey mottled, crystalline, massive.	FR			
				851						850.75: J, 30°, CN, UN, RF	
										851.09: J, 5°, CN, IR, RF	
										851.50: J, 45°, CN, ST-IR, RF-VR 851.56: J, 30°, CN, IR-PR, RF	
				852							
										852.00-852.70: J x2, 30°, CN, PR, RF	
				853							
		100	100	854						853.97: J, 45°, CN, IR-ST, RF	
				855							
										855.37: J, 20°, CN, IR-ST, RF	
				856						855.90: J, clay infill/ wh gn vein VN, PR, SM, 8 mm	
										856.41: J, 20°, CN, IR-ST, RF	
		100	100	857							
				858						857.11-858.60: J x5, 5°, CN, IR, RF	
				859	859.14						
		100	100		26.75		DOLERITE: fine grained, dark grey, aphanitic, massive, granite remanents.			859.36-859.45: J x2, 20°, CN, IR-ST, RF	
										859.70: J, 10°, CN, ST-IR, RF	
				860	860.00						

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	88 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear LF160	Logged:	DG/LB/LB/HF/MFR/P
		Inclination:	-86° Direction: 192°		

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	Groundwater Not Observed	100	100	860	25.89		DOLERITE: fine grained, dark grey, aphanitic, massive, granite remanents.	FR		860.05: J, 30°, CN, ST-PR, RF-SM	
					860.21						
					25.68		GRANITE: medium to coarse grained, pale grey mottled, crystalline, massive.			860.43: J, 20°, CN, PR, RF	
				861						861.10-861.44: J x3, 50°, CN, ST-IR-PR, RF-SM	
										861.48: J, 80°, CN, IR, RF	
										861.52: J, 20°, CN, PR, RF-VR	
		100	100	862							
				863							
				864						864.40: J, 70°, CN, UN-IR, RF	
				865						865.37: J, 80°, CN, PR, RF	
		100	100	866							
					866.30						
					19.61		DOLERITE: fine to medium grained, dark grey, crystalline, massive, slightly altered.			866.36: J, 5°, CN, IR, RF	
				867						867.10: J, 60°, CN, PR, RF	
					867.35					867.30: J, 45°, CN, IR, RF-SM	
					18.56		GRANITE: medium to coarse grained, pale grey mottled, crystalline, massive.				
				868						867.82: J, 5°, CN, PR, RF	
										868.35: J, 10°, CN, PR-UN, RF	
		100	100		*868.84*						
				869	17.08		BASALT: fine to medium grained, dark grey, aphantic, massive.				
					869.38						
					16.54		GRANITE: medium to coarse grained, pale grey mottled, crystalline, massive.				
				870							

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	89 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear LF160	Logged:	DG/LB/LB/HF/MFR/P
		Inclination:	-86° Direction: 192°		

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	Groundwater Not Observed	100	100	870	870.46		GRANITE: medium to coarse grained, pale grey mottled, crystalline, massive.	FR			
					15.46 870.75		BASALT: fine to medium grained, dark grey, aphantic, massive.				
					15.17		GRANITE: medium to coarse grained, pale grey mottled, crystalline, massive.				
		100	100	871							
				872							
		100	100	873							
				874	874.60						
					11.34 875.00		BASALT: fine grained, black, aphantic, massive.			874.78: J, 45°, CN, PR, RF	
		100	100	875	10.94		GRANITE: medium to coarse grained, pale grey mottled, crystalline, massive, ocassional pale yellow/green halo alteration around defects, slightly altered.			875.35: J, 60°, CN, PR-UN, RF	
				876							
				877							
		100	100	878							
				879						879.10: J, 20°, CN, IR, RF	
		100	100	880	880.00					879.63: J, 5°, CN, IR, RF	

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	90 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear	Logged:	DG/LB/LB/HF/MFR/P
		LF160			
		Inclination:	-86° Direction: 192°		

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	Groundwater Not Observed	100	100	880	5.95		GRANITE: medium to coarse grained, pale grey mottled, crystalline, massive, slightly altered.	FR			
				881							
				882						882.11: J, 5°, CN, IR, RF	
		100	100	883						883.33: J, 30°, CN, ST, RF	
				884						884.40: J, 5°, CN, PR, RF	
				885						884.77: J, 20°, CN, PR, RF, 10 mm	
				886						885.54: J, 5°, CN, PR, RF	
					886.30						
					-0.33		Up to 5mm of mix volcanics/mafic intrusions.				
		100	100	887						886.63: J, 20°, bk VN, IR, RF, 10 mm	
				888						887.24: J, 45°, yl VN, PR, SM, 10 mm	
		100	100	889						889.30: J, 5°, CN, PR, RF	
				890	890.00						

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BOREHOLE: BHUA-04

Project:	Pioneer-Burdekin PHES	Position:	Upper Reservoir	Sheet	91 OF 91
Location:	Dalrymple Heights	Coords:	658881.6 m E 7666238.1 m N MGA2020-55	Date Started:	27/6/2024
Client:	Queensland Hydro	Surface RL:	883.24 m AHD	Date Completed:	16/10/2024
Job No.:	PS138693	Contractor:	Twin Hills Engineering & Drilling Drill Rig: Boart Longyear LF160	Logged:	DG/LB/LB/HF/MFR/P
		Inclination:	-86° Direction: 192°		

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	Groundwater Not Observed	100	100	890	-4.02		GRANITE: medium to coarse grained, pale grey mottled, crystalline, massive, slightly altered, with mix volcanic.	FR		890.64: J, 20°, CN, PR, RF	
				891						891.30: J, 20°, CN, PR, RF	
										891.75-892.05: Overcoring testing completed over this interval	
		89	89	892	892.00 -6.01		Up to 10mm mafic inclusions.			892.17: J, 10°, CN, PR, RF	
		100	100	893							
				894	894.28						
					-8.28		LAMPROPHYRE: fine to medium grained, dark grey, porphyritic, massive, up to 2 mm phenocrysts.				
				895	895.05 -9.05		GRANITE: medium to coarse grained, pale grey mottled, crystalline, massive, slightly to moderately altered.				
		100	100	896	895.91 -9.91		BASALT: very fine to fine grained, black, aphantic, massive.				
					896.38 -10.38		GRANITE: medium to coarse grained, pale grey, mottled with yellow, crystalline, massive, slightly alterated.			897.45: J, 10°, CN, IR, RF	
				897							
				898						898.51: J, 10°, CN, IR, RF	
		100	100	899							
				900	900.00						

Comments: Hole Terminated at 900.00 m
Target depth, To be grouted as at 4/12/2924

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	6.10	7.30			DB												highly fractured rock, recovered as subangular to angular gravel and cobbles, Fe staining on defect surfaces
BHUA-04	7.14				V		15		wh - calcite	VN	CU	SM		10			
BHUA-04	7.60	7.70			DB												highly fractured rock, recovered as subangular to angular gravel and cobbles, Fe staining on defect surfaces
BHUA-04	16.00				hJ		70		wh	VN	PR-ST						
BHUA-04	16.70				J		5		clay	CT	PR-IR	RF					
BHUA-04	16.80				J		15		clay	CT	PR-IR	RF					
BHUA-04	16.85				J		5		or	CN-SN	PR	SM-RF					
BHUA-04	16.86				J		10		clay	CT	PR-IR	RF					
BHUA-04	17.04				J		15		clay	VN	PR	RF					
BHUA-04	17.10	17.30			hJ	x7	30		or	SN	UN-CU	RF-SM					
BHUA-04	17.15				J		5		bk and wh mi	VN	PR	RF					
BHUA-04	17.26				J		5		bk and wh mi	VN	PR	RF					iron stained surfaces
BHUA-04	17.36				J		50		bk and wh mi	VN	PR	RF					iron stained surfaces
BHUA-04	17.40	17.80			V		80		gn	VN	UN-CU			5			
BHUA-04	17.45				V		45		gn	VN	UN-CU			5			
BHUA-04	17.80	18.17			V		80		gn	VN	UN-CU			5			
BHUA-04	18.12				J		45			CN	PR-UN	SM					
BHUA-04	18.25				hJ		45		wh		ST-UN						
BHUA-04	18.35	18.45			hJ	x4	28		wh yl		UN						
BHUA-04	18.44	18.52			J		10			CN	PR-UN	SM					
BHUA-04	18.50				hJ		20		wh		UN						
BHUA-04	18.65	18.80			hJ		30		gn yl		UN-CU						
BHUA-04	18.82				V		45		gn		UN-CU			5			
BHUA-04	19.01				hJ		15		wh		ST-CU	SM-PO					
BHUA-04	19.03				J		35			CN	UN-ST	SM-RF					
BHUA-04	19.32				J		10			CN	UN-ST	SM-RF					
BHUA-04	19.35	19.90			hJ		30		gn		UN-CU	RF-SM					
BHUA-04	19.61				J		10			CN	UN-ST	SM-RF					
BHUA-04	19.90				V		20		gn		UN-CU	SM-RF		5			
BHUA-04	20.40				J		20			CN	UN-ST	SM-RF					
BHUA-04	20.60				J		20			CN	UN-ST	SM-RF					
BHUA-04	20.90				J		20			CN	UN-ST	SM-RF					
BHUA-04	21.05	21.35			hJ		70		gn		UN-PR			5			
BHUA-04	21.07				J		25			CN	UN-ST	SM-RF					
BHUA-04	21.20				J		20			CN	UN-ST	SM-RF					
BHUA-04	21.20	21.40			hJ		70		gn		UN-PR			5			
BHUA-04	21.35				J		5			CN	UN-ST	SM-RF					
BHUA-04	21.50	21.90			hJ		30		gn yl		PR-CU						
BHUA-04	21.70	21.90			hJ		15		gn yl		PR-CU						
BHUA-04	21.88				J		35			CN	UN-ST	SM-RF					
BHUA-04	22.00	23.00			V		85		wh, rf		UN-PR	PO		3			
BHUA-04	22.04				hJ		20		yl		UN-PR	PO					
BHUA-04	22.20				hJ	x6	5		yl		UN-PR	PO					
BHUA-04	22.33				hJ		10		yl		UN-PR	PO					
BHUA-04	22.50	22.63			hJ		45		yl gn		UN-PR	PO					
BHUA-04	22.60				J		20				ST-IR	SM-RF					
BHUA-04	22.60	22.85			hJ		45		yl		UN-CU	SM-RF					
BHUA-04	23.27				V		20		gn yl	VN	UN			5			
BHUA-04	23.45	23.65			hJ		45		gn		PR-UN	SM					
BHUA-04	23.50				V		45		yl	VN	UN			5			
BHUA-04	23.74				J		10			CN	UN-CU	SM-RF					
BHUA-04	23.90				hJ		70		yl		UN						
BHUA-04	24.00	24.30			hJ		60		yl		UN	PO-SM					
BHUA-04	24.40				hJ		50		gn		CU-UN						
BHUA-04	24.65	34.75			hJ		10		gn - pyrite		UN-CU						
BHUA-04	24.77				J		45			CN	PR-CU	SM-RF					
BHUA-04	24.80	24.90			hJ		45		gn		CU-PR						
BHUA-04	24.81				J		10			CN	UN-CU	SM-RF					
BHUA-04	24.85	25.00			hJ		60		gn		UN						
BHUA-04	25.03				J		30		rd, or	CN-SN	UN-CU	SM-RF					
BHUA-04	25.05	26.30			hJ	x12	90		wh and pale gn mi	VN-CT	UN-IR						
BHUA-04	25.12	25.86			hJ	x15	40		wh and pale gn mi	VN-CT	PR-UN						
BHUA-04	25.15	25.30			hJ		45		gn	VN-CT	UN-PR						
BHUA-04	25.20	25.60			V		60		gn yl, pyrite		UN			5			
BHUA-04	25.54				J		30			CN	UN-CU	SM-RF					
BHUA-04	25.60	25.85			hJ		60		gn		UN						
BHUA-04	25.80				V		45		gn	VN	UN	SM-RF		5			
BHUA-04	26.00	26.18			V		70		gn	VN	UN			5			
BHUA-04	26.17				J		45			CN	UN-CU	SM-RF					
BHUA-04	26.25	26.38			V		45		gn	VN	UN			5			
BHUA-04	26.34				J		20			CN	UN-CU	SM-RF					
BHUA-04	26.38	26.70			hJ	x5	30		wh and pale gn	VN-CT	PR-UN			3			
BHUA-04	26.40	26.70			hJ	x5	55		wh mi and pale gn mi	VN-CT	PR-UN						
BHUA-04	26.54				J		45			CN	PR-CU	SM-RF					
BHUA-04	26.83				J		45			CN	PR-CU	SM-RF					
BHUA-04	26.88	27.00			AZ				pale gn mi	CT-VN	CU-UN-IR						
BHUA-04	26.92				V		80		wh and pale gn mi	VN-CT	CU-UN-IR						

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	27.00				hJ	x2	15		pale yl gy		PR-UN						
BHUA-04	27.00	27.16			hJ	x5	75		wh and pale gn mi	VN	PR-UN						
BHUA-04	27.03				J		30		dark gy	CN-SN	PR-UN	RF-SM					
BHUA-04	27.12				V		65		pale gn	CT-VN	CU-UN-IR			4			
BHUA-04	27.29	27.77			hJ	x8	15		dark gy/gn mi	VN-CT	PR-UN			3			
BHUA-04	27.77	28.00			hJ	x3	85		dark gy and pale gn	VN-CT	PR-UN						
BHUA-04	28.06				J		15		dark gy	CN	PR-ST	RF					
BHUA-04	28.20				V		80		wh mi	VN-CT	PR-UN			3			
BHUA-04	28.25				hJ		75		wh and pale gn mi	VN-CT	PR-UN						
BHUA-04	28.30				V		80		wh mi	CT	PR-UN			3			
BHUA-04	28.62				J		10		dark to pale gy	CN-VN	PR-UN	RF					
BHUA-04	28.65				J		5		dark gy and pale br	CN-VN	PR-UN	RF					
BHUA-04	28.67	28.75			hJ	x4	25		dartk gy	VN	PR-UN						
BHUA-04	28.91				J		15		dark gy and pale gr mi	CN	PR-UN-IR	RF					
BHUA-04	28.92	29.82			hJ	x20	85		pale gn mi	VN-CT	PR-UN			2			
BHUA-04	29.10	29.78			hJ	x5	40		pale gn mi	VN-CT	PR-UN			2			
BHUA-04	29.78	29.91			hJ	x3	35		pale gn mi	VN-CT	PR-UN			3			
BHUA-04	29.92				J		25		wh, dark gy and pale gn mi	CN	PR-UN	RF					
BHUA-04	30.04				hJ		50		wh and pale gn mi	VN	PR-UN						
BHUA-04	30.17	30.27			hJ	x4	40		pale gn mi	VN-CT	PR-UN			2			
BHUA-04	30.21	30.29			hJ	x4	70		wh and pale gn mi	VN	PR-UN						
BHUA-04	30.35	30.45			hJ	x5	25		dark gy and pale gy mi	VN	PR-UN						
BHUA-04	30.77				V		55		pale yl and gy mi	CT-VN	PR-UN			3			
BHUA-04	30.88	31.00			hJ	x5	80		wh and pale gn mi	VN-CT	PR-UN-IR						
BHUA-04	31.25				hJ		35		wh and dark gy mi	VN-CT	UN-IR			3			
BHUA-04	31.32	31.37			hJ	x4	40		wh and pale gn	VN	UN-PR						
BHUA-04	31.43	31.84			hJ	x8	10		wh and pale gn	VN	PR-UN						
BHUA-04	31.65				V		80		wh mi	VN	PR-UN			3			
BHUA-04	31.68				hJ		70		dark gy mi	VN	PR						
BHUA-04	31.93				hJ		75		wh and pale gy mi	VN	UN-PR						
BHUA-04	32.18	32.85			hJ	x10	10		wh and pale gn mi	VN	PR-UN						
BHUA-04	32.29				V		90		wh mi	VN-CT	CU-UN			3			
BHUA-04	32.50				J		15		dark gy and pale gy mi	CN-SN	PR-UN-ST	RF					
BHUA-04	32.61	33.07			hJ	x10	75		wh and pale gy mi	VN-CT	CU-UN-IR			3			
BHUA-04	32.83				J		20		dark gy mi	CN-SN	PR-UN	RF					
BHUA-04	32.94				J		5		dark gy mi	CN	PR	VR-RF					
BHUA-04	33.00	33.82			hJ	x15	40		dark gy, pale gy, pyrite	VN-CT	PR-UN			3			
BHUA-04	33.06	33.14			V		40		wh (qz), pale or/pink mi pyrite infill	CT	PR-UN			40			
BHUA-04	33.14				J		45		dark gy and dark rd mi	CN-SN	PR-UN	RF					
BHUA-04	33.20				DB		45		dark gy and dark rd mi	CN-SN	PR-ST	RF					
BHUA-04	33.60				J		35		dark gy mi	CN	PR-ST	RF					
BHUA-04	33.62				hJ		50		dark rd , wh mi pyrite	VN-CT	PR-UN			3			
BHUA-04	33.65				hJ		80		wh mi	VN	PR-UN						
BHUA-04	33.71				hJ		75		wh mi	VN	PR-UN						
BHUA-04	33.85				J		75		dark gy and pale or, rd mi	CN	PR-UN	RF-SM					
BHUA-04	33.86				J		40		dark gy mi	CN	PR-UN	RF					
BHUA-04	33.88	34.00			HB				dark gy mi	CN	PR-UN-IR	RF					
BHUA-04	34.02	34.46			hJ		5		gy	infilled	PR						
BHUA-04	34.14	34.78			hJ	x8	30		pale gy, pale yl	infilled	PR						
BHUA-04	34.21	34.43			hJ	x3	70		wh	infilled	PR						
BHUA-04	34.28				J		25		dark gy	CN	PR	RF-SM					
BHUA-04	34.44				J		10		dark gy mi	CN	PR	RF					
BHUA-04	34.52				hJ		40		wh, dark gy mi pyrite infill	infilled	PR			1			
BHUA-04	34.61				J		5		wh, yl mi pyrite infill	CN-SN	PR	SM-RF					
BHUA-04	35.00	35.70			hJ	x15	20		wh, yl mi pyrite infill	VN-CT	PR-UN						
BHUA-04	35.02	35.76			hJ	x15	15		wh, yl mi pyrite infill	VN-CT	PR-UN						
BHUA-04	35.25				J		50		dark gy and pale gy/br mi	CN-SN	PR-UN	RF					
BHUA-04	35.36				J		45		dark gy and pale gn	CN-SN	PR-UN	RF-SM					
BHUA-04	35.39				J		30		dark gy mi pyrite infill	CN-SN	PR-UN	RF-SM					
BHUA-04	35.49				J		35		dark gy mi pyrite infill	CN-SN	UN-PR	RF					
BHUA-04	35.81	36.30			hJ	x12	80		wh and pale gr mi	VN-CT	PR-UN-IR			3			
BHUA-04	36.10				J		10		dark gy, pale gn/br and wh mi	CN	PR-UN	RF					
BHUA-04	36.18				V		90		wh and pale gn	VN-CT	CU-UN-IR			4			
BHUA-04	36.20	36.68			hJ	x12	20		wh and pale grn mi	VN	PR-UN						
BHUA-04	36.26				V		45		wh	VN	UN			5			
BHUA-04	36.34	36.87			hJ	x15	75		wh and pale gn	VN-CT	PR-UN-IR			2			
BHUA-04	36.37	36.71			hJ	x8	25		wh and pale gn	VN-CT	PR-UN			3			
BHUA-04	36.42	36.53			AZ				pale gn mi	VN-CT	CU-UN-IR						
BHUA-04	36.83				J		50		dark gy mi	CN	CU-UN-IR	RF					
BHUA-04	37.14				V		75		wh and pale pk	CT	PR-UN			3			
BHUA-04	37.22	37.36			hJ	x5	20		pale gr mi	VN-CT	PR-UN			2			
BHUA-04	37.56	37.93			hJ	x5	15		wh and pale gn	VN	PR-UN						
BHUA-04	37.65				J		5		wh, pale pk and dark gy mi	CN	PR-ST	RF					
BHUA-04	37.67	38.00			hJ	x6	65		wh and pale gn	VN-CT	PR-UN			3			
BHUA-04	37.85				V		85		wh mi	CT	PR-UN						
BHUA-04	37.86				hJ		85		wh mi	VN	PR-UN			12			
BHUA-04	38.10	38.56			hJ	x6	70		wh and pale gn mi	VN	PR-UN						
BHUA-04	38.32	38.64			hJ	x7	20		wh and pale gn mi	VN	PR-UN						
BHUA-04	38.34	38.52			hJ	x5	85		wh mi	VN-CT	PR-UN			3			

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	38.52	38.64			hJ				pale gn mi	CT-VN	CU-UN-IR						
BHUA-04	39.02	39.22			hJ	x5	80		wh to pale yl mi	VN	PR-UN						
BHUA-04	39.04	39.47			hJ	x6	65		wh and pale yl, gn	VN-CT	UN-PR-IR			25			
BHUA-04	39.13				J		30		dark gy mi	CN-SN	UN-PR	RF					
BHUA-04	39.48	39.61			hJ	x4	25		pale gr/yl mi	VN-CT	PR-UN			2			
BHUA-04	39.56	39.82			hJ	x4	70		pale yl/gr	VN-CT	PR-UN			2			
BHUA-04	39.99				hJ		10		wh mi	VN	PR-UN						
BHUA-04	40.22	40.78			hJ	x8	85		wh and pale gr mi	VN	UN-CU-PR						
BHUA-04	40.30	40.90			hJ	x10	30		wh and pale gr mi	VN	PR-UN						
BHUA-04	40.34	40.82			hJ	x5	10		wh and pale gn mi	VN	PR-UN						
BHUA-04	41.06				J		55		dark gy mi	CN	PR-UN	RF					
BHUA-04	41.09	41.30			hJ	x5	20		wh, pale gy and pale gn mi	VN	PR-UN						
BHUA-04	41.12				V		15		pale gy and pale gr mi	VN-CT	PR-UN			2			
BHUA-04	41.15	41.41			hJ	x4	80		pale gr/yl and wh mi	VN	PR-UN						
BHUA-04	41.45	41.91			hJ	x7	25		wh and pale gr mi	VN	PR-UN						
BHUA-04	42.00				MB		50		dark gy mi	CN	CU-UN-IR	RF					
BHUA-04	42.05	42.22			hJ	x5	20		pale gn yl mi	VN-CT	PR-UN			2			
BHUA-04	42.15	42.36			hJ	x5	75		pale yl mi	VN-CT	PR-UN-IR			2			
BHUA-04	42.16				HB		5		dark gy mi	CN	PR-UN	RF					
BHUA-04	42.37	43.00			hJ	x15	30		pale gn/yl, pale gy and dark gy mi	VN-CT	PR-UN-IR			2			
BHUA-04	42.49	42.85			hJ	x10	5		pale gn yl mi	VN	PR-UN						
BHUA-04	42.58	42.72			AZ				pale gn mi	VN-CT	CU-UN-IR						
BHUA-04	42.82				hJ		85		wh and pale gn yl	VN-CT	PR-UN			2			
BHUA-04	42.84				V		65		wh and pale gn	VN-CT	PR-UN			3			
BHUA-04	43.00	43.32			hJ	x10	65		pale gn, or mi pyrite infill	VN-CT	PR-UN			3			
BHUA-04	43.05	43.72			hJ	x20	30		pale gr and or mi, pyrite infill	VN-CT	PR-UN			3			
BHUA-04	43.50				V		20		pale gr, yl mi	CT	PR-UN-IR			5			
BHUA-04	43.62				V		60		pale gn yl mi	CT	PR-UN			7			
BHUA-04	43.81	44.03			hJ	x10	10		wh and pale gn mi	VN	PR-UN						
BHUA-04	44.00	45.00			hJ	x10	25		pale gr/yl and wh mi	CT-VN	PR-UN			3			
BHUA-04	44.14	44.88			V	x10	75		pale gr/yl and wh mi	VN-CT	PR-UN-IR			3			
BHUA-04	44.21	44.38			hJ	x5	5		wh mi	VN	PR-UN						
BHUA-04	44.44				J		60		dark gy mi	CN-SN	PR-UN	RF					
BHUA-04	44.72				J		50		dark gy and pale gn mi	CN-SN	PR-UN	RF					
BHUA-04	45.00	45.10			hJ	x8	55		pale gy mi	VN	PR-UN						
BHUA-04	45.13	45.32			hJ	x5	15		pale gy mi	VN	PR-UN						
BHUA-04	45.36				V		80		pale gn, yl mi	VN-CT	PR-UN			3			
BHUA-04	45.38	46.00			hJ	x15	20		pale gn, yl mi	VN	PR-UN						
BHUA-04	45.55				V		75		pale gn, yl mi	VN-CT	PR-UN			3			
BHUA-04	45.83				V		65		pale gn, yl mi	VN-CT	PR-UN			5			
BHUA-04	45.94				V		70		pale gn, yl mi	VN-CT	PR-UN			3			
BHUA-04	46.02	46.19			hJ		45		gn		PR	RF-SM					
BHUA-04	46.05				J		25		gn and wh	CN-SN	PR	SM-RF					
BHUA-04	46.09	50.00			J		50			CN	PR-CU	RF-SM					
BHUA-04	46.41				V		15		gn, wh mi	VN	UN			20			
BHUA-04	46.47				V		30		gn, wh mi	VN	UN			20			
BHUA-04	46.52	46.92			V		35		gn, wh mi	VN	CU-UN			20			
BHUA-04	46.71				V		65		gn, wh mi	VN	UN			10			
BHUA-04	47.25				V		60		gn			SM		5			
BHUA-04	47.27				J		25		wh, gn mi	SN	PR-UN	RF-SM					
BHUA-04	47.50	47.95			hJ	x5	80		gn		UN						
BHUA-04	48.00	48.30			hJ	x5	80		wh		UN						
BHUA-04	48.10	48.25			hJ		80		wh		UN						
BHUA-04	48.20	48.28			hJ		20		wh		UN						
BHUA-04	48.35				hJ		15		wh		UN						
BHUA-04	48.40	48.43			J	x2	0	10	clay	CT	IR	RF					
BHUA-04	48.44	48.54			J		85		clay	CT	PR	RF					
BHUA-04	48.55	48.70			FZ				clay	CT	IR	RF					multiple defects, various angles, 0-30mm spacing
BHUA-04	48.72	48.92			hJ	x6	15		bk	SN	PR-UN			5			
BHUA-04	49.00	49.10			hJ	x5	10		bk		PR-UN						
BHUA-04	49.05				J		30		bk mi	CN	PR	RF-SM					
BHUA-04	49.14				hJ		45		rd, br	SN	UN-ST						
BHUA-04	49.18				J		20		bk mi	CN	PR	RF-SM					
BHUA-04	49.33				J		5		bk and whi mi	CN	PR	RF					
BHUA-04	49.39				J		65		bk and whi mi	CN	PR	RF					
BHUA-04	49.46				J		45		bk and whi mi	CN	PR	RF					
BHUA-04	49.50	49.75			hJ	x3	85		bk, gn		PR						
BHUA-04	49.68	50.18			hJ	x8	85		gn		PR						
BHUA-04	50.10	50.34			hJ		50		gn	SN	PR-UN						
BHUA-04	50.21	50.50			hJ	x6	15		gn		PR						
BHUA-04	50.60	51.10			hJ	x8	45		gn bk		PR-UN						
BHUA-04	50.80	51.20			hJ		45		bk		PR-UN			5			
BHUA-04	51.20	51.40			V		65		wh, gn Qtz mi	VN	PR-UN						
BHUA-04	51.22				hJ		30		wh		UN						
BHUA-04	51.38	51.48			hJ		70		gn		UN						
BHUA-04	51.75				J		30			CN	UN-ST	RF-SM-PO					
BHUA-04	51.80	52.00			hJ	x4	70		wh		PR						
BHUA-04	51.85	51.97			hJ	x2	10		wh		PR						
BHUA-04	52.00	52.50			J		85		wh		PR	RF-SM					

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	52.12				J		25		wh		PR	RF-SM					
BHUA-04	52.60	53.50			hJ	x8	45		gn		PR	SM-RF					
BHUA-04	52.85				V		10		gn	VN	PR-UN			10			
BHUA-04	52.90	53.25			hJ	x6	20		gn		PR	SM-RF					
BHUA-04	53.20	53.30			AZ		35		gn	CT-VN	IR						
BHUA-04	53.30				V		20		gn	VN	UN-PR			5			
BHUA-04	53.60				J		18		rd, iron staining	SN	PR-UN	SM-RF					
BHUA-04	54.00	54.15			hJ		35		pale gn		PR-CU						
BHUA-04	54.12				V		20		gn	VN	UN-PR			5			
BHUA-04	54.20				V		20		gn	VN	UN-PR			5			
BHUA-04	54.30				hJ		45		wh		UN-PR						
BHUA-04	54.74				J		40		gn		UN-ST-CU	RF-PO					
BHUA-04	54.80				V		85		gn	VN	PR-UN			5			
BHUA-04	55.00	55.30			AZ		35		pale gn mi chlorite and epidote	CT	IR						
BHUA-04	55.00	55.70			hJ	x12	40		gn		UN-PR-CU						
BHUA-04	55.58				J		45				ST-IR	RF-PO					
BHUA-04	55.62	55.74			hJ	x5	15		gn		PR-UN						
BHUA-04	55.74	55.92			hJ		85		gn		PR-CU						
BHUA-04	55.90	55.95			hJ	x2	25		gn		PR-CU						
BHUA-04	56.05	56.70			hJ	x21	40		gn		PR-CU						
BHUA-04	56.60	57.00			hJ	x2	85		gn		UN-PR						
BHUA-04	56.95	57.10			hJ	x3	45		gn		UN						
BHUA-04	57.00	57.24			V		80		gn	VN	UN-IR	SM		10			
BHUA-04	57.25	57.35			IS		45		wh, pale gn		IR						
BHUA-04	57.60	58.00			hJ		20		gn		UN						
BHUA-04	57.64				J		45		rd - Iron staining	SN	UN-PR	RF-PO-SM					
BHUA-04	58.00	58.18			V		60		gn yl		UN			5			
BHUA-04	58.00	58.20			V		80		gn	VN	UN-PR	RF-PO-SM		5			
BHUA-04	58.10	58.80			hJ	x15	45		gn		UN-ST						
BHUA-04	58.49				J		45				UN-PR	RF-SM					
BHUA-04	59.00	59.20			V		75		gn	VN	UN			5			
BHUA-04	59.05	60.00			hJ	x18	45		gn		UN-ST						
BHUA-04	59.10	59.50			V		45		gn	VN	UN-CU			5			
BHUA-04	59.10	59.80			hJ	x4	85		gn		UN						
BHUA-04	59.55				J		45				UN-PR	RF-PO-SM					
BHUA-04	59.66	59.80			V		15		gn	VN	UN-CU	SM-PO		10			
BHUA-04	60.10	60.18			J		10				UN-PR	RF-PO-SM					
BHUA-04	60.20	60.35			V	x4	75		gn		UN						
BHUA-04	60.40	61.00			hJ	x20	60		yl gn mi		UN			10			
BHUA-04	60.50	60.75			V		70		yl gn mi		UN-CU						
BHUA-04	60.64	60.80			V	x9	20		gn mi		UN						
BHUA-04	60.64	60.82			V		70		gn yl mi		UN-CU			10			
BHUA-04	61.40	62.65			hJ	x21	45		gn		CU-PR						
BHUA-04	61.65	62.30			AZ				gn yl mi	CT-VN	IR						
BHUA-04	62.25	63.00			hJ	x12	45		gn		CU-PR						
BHUA-04	62.35	62.90			hJ	x8	70		gn		PR-CU	PO-SM					
BHUA-04	63.00	63.90			AZ				gn mi	CT-VN	IR						
BHUA-04	63.40	63.70			hJ	x12	45		gn		CU-PR						
BHUA-04	64.00	64.70			V		70		gn		PR-CU			5			
BHUA-04	64.25				J		30				UN-ST	SM-RF-PO					
BHUA-04	64.30	64.45			hJ	x11	20		gn		PR-UN						
BHUA-04	64.50	64.75			hJ	x8	70		gn - pyrite on joints		PR-UN						
BHUA-04	64.70	64.92			hJ		70		gn		UN-PR						
BHUA-04	65.15	65.35			V		70		gn yl mi		PR			5			
BHUA-04	65.20	66.00			hJ	x4	85		gn mi		UN						
BHUA-04	65.32				J		30				PR	RF-SM					
BHUA-04	65.65				V		15		gn mi		UN-CU			5			
BHUA-04	65.80				V		5		gn mi		UN-CU			5			
BHUA-04	66.15	66.50			hJ	x7	75		gn mi		UN						
BHUA-04	66.50	66.60			hJ		70		bk	VN	UN						
BHUA-04	66.52				V		45		gn mi		CU			5			
BHUA-04	66.67				V		45		wh Qtz mi	VN	UN			10			
BHUA-04	67.00	67.80			hJ	x14			gn mi		CU						
BHUA-04	67.30	67.50			V		70		gn mi	VN	UN	SM-RF		10			
BHUA-04	67.80				J		45			CN	UN-ST	RF					
BHUA-04	68.25	68.60			IS		70				IR						
BHUA-04	68.38	68.42			J		20		dk gy and bk	CN	PR	RF					
BHUA-04	68.50	68.80			hJ	x3	85		gn mi		UN	SM					
BHUA-04	68.65				J		20				ST-UN	RF					
BHUA-04	69.01	69.06			J		20		dk gy	CN	PR	RF					
BHUA-04	69.05	69.35			V		60		gn wh mi	VN	UN-IR			50			
BHUA-04	69.35				J		0		dk gy and red	SN	PR-ST	RF					
BHUA-04	69.52	69.90			hJ	x5	85		gn wh mi		UN						
BHUA-04	69.55	70.00			V		80		gn		PR-UN			5			
BHUA-04	69.58				V		30		gn	VN	UN			5			
BHUA-04	69.80				V		30		gn	VN	UN			5			
BHUA-04	70.01	70.36			hJ	x3	55		wh		PR-CU						
BHUA-04	70.02	70.19			hJ	x2	10		wh		PR-CU						
BHUA-04	70.32				J		25		gn	SN	UN-ST	RF					

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	70.63	70.96			hJ	x3	70		gn		UN						
BHUA-04	70.68	70.92			hJ	x3	80		gn		UN						
BHUA-04	71.19	71.53			hJ	x5	25		wh, bk mi		UN-CU						
BHUA-04	71.21				J		20		gn	SN	UN-PR	RF					
BHUA-04	71.45	71.95			V		80		gn	VN	UN-CU			5			
BHUA-04	71.71				hJ		90		wh		PR						
BHUA-04	71.92				J		20		gn	SN	ST-IR	RF-SM					
BHUA-04	72.20	72.60			hJ	x5	70		wh		PR						
BHUA-04	72.34	72.63			hJ	x3	55		bk		UN						
BHUA-04	72.73				J		30			CN	ST-PR	SM					
BHUA-04	73.01	73.32			V		75		gn mi	VN	UN			12			
BHUA-04	73.02	73.34			V		75		wh mi		UN						
BHUA-04	73.16	73.23			V		45		gn mi	VN	UN-PR			12			
BHUA-04	73.18	73.39			hJ	x3	45		gn mi		UN						
BHUA-04	73.24	73.37			V		55		gn mi		UN			20			
BHUA-04	73.25				J		10				ST	RF					
BHUA-04	73.26	73.36			V		50		wh mi	VN	CU-UN			15			
BHUA-04	73.35	76.82			hJ	x4	45		gn bk mi		IR	SM-RF					
BHUA-04	73.60	73.68			V		80		gn mi	VN	UN-IR			12			
BHUA-04	73.70	96.00			hJ	x4	85		wh mi		UN						
BHUA-04	73.81	74.00			hJ	x3	45		wh, gn mi		UN-CU						
BHUA-04	74.09	74.21			hJ		45		wh mi	VN	UN-PR			15			
BHUA-04	74.25				V		45		wh mi		UN-CU						
BHUA-04	74.28	74.78			hJ	x7	30		gn mi		PR						
BHUA-04	74.56	74.70			hJ	x4	45		gn mi		PR						
BHUA-04	74.80	74.84			J		10				IR-ST	RF-VR					
BHUA-04	74.85	75.10			hJ	x4	45		gn mi		PR						
BHUA-04	75.26				hJ		10		gn mi		UN						
BHUA-04	75.30	76.00			hJ	x10	45		wh mi		PR-UN						
BHUA-04	75.35	75.38			V		30		wh mi	VN	UN			7			
BHUA-04	75.63				J		10				IR-ST	VR-RF					
BHUA-04	75.68				hJ		50		bk mi		CU						
BHUA-04	75.90				V		40		gn mi	VN	CU			5			
BHUA-04	76.35	76.55			V		70		gn mi	VN	UN			5			
BHUA-04	76.66	76.88			hJ	x4	84		wh gn mi		UN-PR						
BHUA-04	76.67	76.97			hJ	x4	25		wh bk mi		PR						
BHUA-04	77.00	77.42			hJ	x11	25		wh bk mi		PR						
BHUA-04	77.17	78.00			V		80		gn mi	VN	CU			5			
BHUA-04	77.20				J		5		dark gy and gr mi	CN	PR	RF					
BHUA-04	77.28				DB												
BHUA-04	77.40	77.45			hJ	x2	30		gn mi	VN	CU						
BHUA-04	77.40	77.68			hJ	x8	45		gn mi		UN						
BHUA-04	77.41	77.45			V		45		gn wh mi	VN	CU			10			
BHUA-04	77.69				J		25			CN	PR	RF					
BHUA-04	77.70	77.74			J		10			CN	UN-CU	RF-SM					
BHUA-04	77.87	78.14			V		55		wh gn mi	VN	CU			10			
BHUA-04	78.07				J				dk gy mi	CN	PR	RF					
BHUA-04	78.29				hJ		90		wh	VN	PR						
BHUA-04	78.31				hJ		30		wh	VN	PR						
BHUA-04	78.34				hJ		70		wh	VN	PR						
BHUA-04	78.36				hJ		20		wh	VN	PR						
BHUA-04	78.38	78.45			hJ	x7	45		wh, x7	VN	PR						
BHUA-04	78.55				hJ		35		wh	VN	PR						
BHUA-04	78.62	78.65			hJ	x4	50		wh, x4	VN	UN-IR						
BHUA-04	78.75				hJ	x2	45		wh, x2	SN	PR						
BHUA-04	78.95				hJ		70		br	VN	PR						
BHUA-04	79.07				hJ		35		yl	VN	UN						
BHUA-04	79.08				hJ		35		bk	VN	PR						
BHUA-04	79.24				hJ		75		yl	VN	PR						
BHUA-04	79.27	79.75			hJ	x34	60		yl, x34	VN	PR-IR						
BHUA-04	79.29	79.32			hJ	x4	5		yl-bk, x4	VN	IR						
BHUA-04	79.84				hJ		60		wh	SN	PR						
BHUA-04	79.88	79.90			hJ	x6	40		bk-wh, x6	SN-VN	PR						
BHUA-04	79.92				hJ		65		wh	SN-VN	PR						
BHUA-04	80.02	80.14			AZ				gn-yl mi	CT	IR						
BHUA-04	80.14				J		80		yl	SN-VN	UN	RF					
BHUA-04	80.32				hJ		90		wh	VN	UN						
BHUA-04	80.36				hJ		45		bk	VN	IR						
BHUA-04	80.40	80.45			hJ	x3	5		yl, x3	VN	PR						
BHUA-04	80.50	80.55			hJ	x3	70		bk, x3	VN	IR						
BHUA-04	80.52	80.57			hJ	x6	35		yl, x6	VN	PR						
BHUA-04	80.60	80.66			hJ	x2	80		yl, x2	VN	PR						
BHUA-04	80.63	80.82			hJ	x12	35		yl, x12	VN	PR						
BHUA-04	80.78	80.80			hJ	x2	40		yl, x2	VN	PR						
BHUA-04	80.88				hJ		5		yl	VN	PR						
BHUA-04	80.90				hJ		45		wh	VN	PR						
BHUA-04	80.91				J		20			CN	PR-ST	RF					
BHUA-04	80.96	80.98			hJ		25		yl	VN	PR						
BHUA-04	81.00	81.97			hJ		30		yl-mi	SN	CU						

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	81.03	81.05			hJ	x2	55		wh, x2	SN	PR						
BHUA-04	81.08	81.14			hJ	x4			yl, x4	VN	UN-IR						
BHUA-04	81.16				hJ		35		yl	VN	UN						
BHUA-04	81.17				hJ		65		wh	VN	UN						
BHUA-04	81.27				hJ		25			infilled	CU						
BHUA-04	81.35				hJ		5		yl-mi	SN	CU						
BHUA-04	81.54				MB												
BHUA-04	81.64				hJ		30		yl-mi	SN	CU						
BHUA-04	81.81				MB												
BHUA-04	81.87				hJ		5		yl-mi	SN	PR						
BHUA-04	81.89				hJ		65		yl-mi	SN	CU						
BHUA-04	81.92				hJ		15		yl-mi	SN	CU						
BHUA-04	81.93				hJ		15		yl-mi	SN	CU						
BHUA-04	82.00	82.08			hJ		15		yl-mi	SN	PR						
BHUA-04	82.00	82.30			MB												
BHUA-04	82.00	82.43			hJ		15		yl-mi	SN	PR						
BHUA-04	82.00	82.48			hJ		35		yl-mi	SN	PR						
BHUA-04	82.00	82.52			hJ		85		yl-mi	SN	IR						
BHUA-04	82.00	82.53			hJ		15		yl-mi	SN	PR						
BHUA-04	82.00	82.55															Magnetic
BHUA-04	82.00	82.61			hJ		35		yl-mi	SN	IR						
BHUA-04	82.00	82.92			hJ	x2	30		yl-mi	SN	CU	RF					
BHUA-04	82.00	82.97			hJ		85		yl-mi	SN	PR	RF					
BHUA-04	82.03				hJ		15		yl-mi	SN	CU						
BHUA-04	82.69	82.74			hJ	x2	25		yl-mi	SN	PR	RF					
BHUA-04	82.83				hJ		75		yl-mi	SN	PR	RF					
BHUA-04	82.95				hJ		5		yl-mi	SN	PR	RF					
BHUA-04	83.00	83.21			hJ		25		yl-mi	SN							
BHUA-04	83.03				hJ		50		yl-mi	SN	IR	RF					
BHUA-04	83.06				hJ		25		yl-mi	SN	PR	RF					
BHUA-04	83.10				hJ		80		yl-mi	SN	PR	RF					
BHUA-04	83.15				hJ		30		yl-mi	SN	PR	RF					
BHUA-04	83.30				hJ		25		yl-mi	SN	PR	RF					
BHUA-04	83.32				hJ		85		yl-mi	SN	PR-IR	RF					
BHUA-04	83.40	83.69			hJ	x4	50		yl-mi	VN	PR	RF					
BHUA-04	83.54				hJ		25		yl-mi	SN	PR	RF					
BHUA-04	83.65				hJ		25		yl-mi	SN	PR	RF					
BHUA-04	83.70				hJ		85		yl-mi	SN	PR	RF					
BHUA-04	83.71				hJ		5										
BHUA-04	83.73	83.78			hJ	x2	35		yl-mi	SN	PR	RF					
BHUA-04	83.77				hJ		85		yl-mi	SN	PR	RF					
BHUA-04	83.83				hJ		10		yl-mi	SN	IR	RF					
BHUA-04	83.87				hJ		85		yl-mi	SN	PR	RF					
BHUA-04	83.93				hJ		30		yl-mi	SN	PR	RF					
BHUA-04	84.02				hJ		55		yl-mi	SN	PR	RF					
BHUA-04	84.09				hJ		10		yl-mi	SN	PR	RF					
BHUA-04	84.17	84.20			hJ	x2	35		yl-mi	SN	PR	RF					
BHUA-04	84.24	84.82															Magnetic
BHUA-04	84.27				hJ		85		yl-mi	SN	CU	RF					
BHUA-04	84.35	84.39			hJ	x3	30		yl-mi	SN	PR	RF					
BHUA-04	84.42				hJ		60		yl-mi	SN	IR	RF					
BHUA-04	84.54	84.55			hJ	x2	10		yl-mi	SN	PR	RF					
BHUA-04	84.55				hJ		50		yl-mi	SN	PR	RF					
BHUA-04	84.65				hJ		55		yl-mi	SN	PR	RF					
BHUA-04	84.67				hJ		25		yl-mi	SN	PR	RF					
BHUA-04	84.70				hJ		65		yl-mi	SN	IR	RF					
BHUA-04	84.80				hJ		5		wh-mi	SN	IR	RF					
BHUA-04	84.81				hJ	x2	80		wh-mi	SN	CU	RF					
BHUA-04	84.93				hJ		90		yl-mi		UN	RF					
BHUA-04	85.05				V		80		qtz		UN						
BHUA-04	85.10	85.22			hJ	x6	30		yl	SN-VN	PR						
BHUA-04	85.10	85.40															Magnetic
BHUA-04	85.14				V		80		wh		UN						
BHUA-04	85.30				hJ		15		yl	VN	PR						
BHUA-04	85.36				V		85		wh		UN-IR						
BHUA-04	85.37	85.58			V				yl	VN	IR-ST						
BHUA-04	85.57				V		65		wh		ST-PR						
BHUA-04	85.66	85.93			hJ	x7	35		yl	VN-SN	PR-IR						
BHUA-04	85.75				V		85		yl-wh		PR						
BHUA-04	86.13	86.18			hJ	x2	60		yl	VN	ST-PR-IR						
BHUA-04	86.32				V		50		wh		PR-ST						
BHUA-04	86.35				hJ		85		wh		UN-IR						
BHUA-04	86.39				hJ		50		wh	VN	PR						
BHUA-04	86.43				hJ		15		yl	VN	PR						
BHUA-04	86.52				V		10		pale yl mi		UN			3			
BHUA-04	86.62				hJ		15				IR						
BHUA-04	86.69				V		50		wh mi		PR-IR			2			
BHUA-04	86.75				hJ		90		yl	VN	PR						
BHUA-04	87.05				hJ		60		wh	VN	PR						

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	87.07				V		10		gy mi		PR						
BHUA-04	87.11				hJ		30		gy mi	VN	PR						
BHUA-04	87.14				V		15		gy mi		PR						
BHUA-04	87.21				V		55		wh mi Qtz vein		PR	RF					
BHUA-04	87.24	87.33			hJ		30		yl-mi	SN	PR	RF					
BHUA-04	87.39				hJ		15		yl-mi	SN	PR	RF					
BHUA-04	87.40				hJ		30		yl-mi	SN	PR	RF					
BHUA-04	87.42				hJ		5		wh mi Qtz infill	SN-VN	PR	RF					
BHUA-04	87.44	87.82			hJ		50		yl-mi	SN	PR	RF					
BHUA-04	87.70				hJ		90		yl-mi	infilled	PR	RF					
BHUA-04	87.84				hJ		50		yl-mi	SN	PR	RF					
BHUA-04	87.86	87.95			hJ		50		yl-mi	SN	PR	RF					
BHUA-04	87.91				V		50		wh, mi Qtz infill	infilled	PR	RF					
BHUA-04	88.05	88.07			hJ	x2	10		yl mi	SN	PR	RF					
BHUA-04	88.09				V		35		wh Qtz mi	infilled	PR	RF					
BHUA-04	88.11	88.29			hJ												
BHUA-04	88.23				hJ		45		bk mi	SN	PR	RF					
BHUA-04	88.33	88.38			hJ	x5	50		bk mi	SN	PR	RF					
BHUA-04	88.40	88.54			hJ	x7	5		yl-mi	SN	PR	RF					
BHUA-04	88.56	88.57			hJ	x2	10		yl-mi	SN	PR	RF					
BHUA-04	88.60				hJ		20		yl-mi	SN	PR	RF					
BHUA-04	88.61				hJ		40		yl-mi	SN	PR	RF					
BHUA-04	88.78				V		85		yl-mi	SN	IR	RF					
BHUA-04	88.96				V												
BHUA-04	89.32				V		35		wh Qtz mi	infilled	PR	RF					
BHUA-04	89.43				hJ		25		yl mi	VN	PR	RF					
BHUA-04	89.46				hJ		65		yl-mi	SN	PR	RF					
BHUA-04	89.48				hJ		45		yl-mi	SN	UN	RF					
BHUA-04	89.61				V		85		whm Qtz mi	SN	IR	RF					
BHUA-04	89.71	89.76			V		30		whm Qtz mi	infilled	PR	SM					
BHUA-04	89.97				MB		45										
BHUA-04	90.08	90.21			hJ	x5	25		yl-mi	SN	PR-CU	RF					
BHUA-04	90.11				MB												
BHUA-04	90.30	93.26															Magnetic
BHUA-04	90.38				hJ		20		yl mi	VN	PR						
BHUA-04	90.44				hJ		20		bk	VN	PR						
BHUA-04	90.55				hJ	x2	15		yl	VN	PR-IR						
BHUA-04	90.61				hJ		60		yl	VN	PR						
BHUA-04	90.62				hJ		55		yl	VN	IR						
BHUA-04	90.64				hJ		80		yl	VN	PR						
BHUA-04	90.67				hJ		15		yl	VN	PR						
BHUA-04	90.75				hJ		40		gy	VN	PR						
BHUA-04	90.84	90.97			hJ	x10	35		yl	VN	PR						
BHUA-04	90.94				V		80		wh		IR						
BHUA-04	91.01	91.13			hJ	x9	20		yl	VN	PR						
BHUA-04	91.03				hJ		85		yl	VN	PR						
BHUA-04	91.08				hJ		85		wh	VN	PR						
BHUA-04	91.13	91.20			hJ	x3	60		yl	VN	PR						
BHUA-04	91.27	91.32			hJ		35		yl	VN	PR-IR						
BHUA-04	91.35				hJ				wh	VN	PR						
BHUA-04	91.36				hJ		85		wh	VN	PR						
BHUA-04	91.36	91.40			hJ	x4	10		wh	VN	PR						
BHUA-04	91.50				V		85		wh		IR						
BHUA-04	91.51				J		15		bk	SN		RF					
BHUA-04	91.53	91.72			hJ	x17	15		yl	VN	PR-IR						
BHUA-04	91.68				hJ		55		yl	VN	PR						
BHUA-04	91.74	91.78			hJ	x3	70		yl	VN	PR-IR						
BHUA-04	91.79				hJ		10		yl	VN	IR						
BHUA-04	91.83				hJ		65		yl	VN	PR-IR						
BHUA-04	91.87				hJ		65		yl	VN	PR						
BHUA-04	91.87	91.91			hJ		10		yl	VN	IR						
BHUA-04	91.94	91.97			hJ		60		yl	VN	PR						
BHUA-04	91.97				hJ		5		yl	VN	PR						
BHUA-04	92.04				V		60		wh mi		PR-IR			2			
BHUA-04	92.07	92.30			hJ	x9	70		yl mi	VN	IR-PR						
BHUA-04	92.17				hJ				yl	VN	IR						
BHUA-04	92.20				hJ				yl	VN	IR						
BHUA-04	92.34	92.46			hJ	x5	20		yl	VN	PR						
BHUA-04	92.48				hJ		40		gy	VN	PR						
BHUA-04	92.60				hJ		35		wh	VN	PR						
BHUA-04	92.82				hJ		30		wh	SN-VN	PR						
BHUA-04	92.99				hJ		25		yl	VN	IR						
BHUA-04	93.06				V				yl		IR			2			
BHUA-04	93.13	93.18			hJ	x12	15		yl	VN	PR-IR						
BHUA-04	93.37				hJ		20		yl-mi	SN	IR	RF					
BHUA-04	93.73				hJ				yl-mi	SN	PR	RF					
BHUA-04	93.86				hJ		85		yl-mi	SN	IR	RF					
BHUA-04	93.91				hJ		35		yl-mi	SN	UN	RF					
BHUA-04	94.12				hJ		90		yl-mi	SN	PR	RF					

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	94.24				hJ		35		yl-mi	SN	UN	RF					
BHUA-04	94.32				hJ		35		yl-mi	infilled	PR	RF					
BHUA-04	94.33				HB		35				PR						
BHUA-04	94.38				hJ		65		yl-mi	SN	CU	RF					
BHUA-04	94.41				hJ		15		yl-mi	SN	CU	RF					
BHUA-04	94.57				hJ		65		yl-mi	SN	IR	RF					
BHUA-04	94.64				hJ		65		yl-mi	SN	PR	RF					
BHUA-04	94.71				hJ		45		yl-mi	SN	CU	RF					
BHUA-04	94.77				hJ		65		yl-mi	SN	CU	RF					
BHUA-04	94.92				hJ		25		yl-mi	SN	PR	RF					
BHUA-04	95.04				hJ		25		wh-mi	SN	PR	RF					
BHUA-04	95.07				hJ		20		wh-mi	SN	CU	RF					
BHUA-04	95.12				hJ		20		yl-mi	SN	PR	RF					
BHUA-04	95.35				hJ		80		yl-mi	SN	IR	RF					
BHUA-04	95.38				hJ		30		gr-mi	SN	PR	RF					
BHUA-04	95.52				hJ		25		gr-mi	SN	PR	RF					
BHUA-04	95.58	95.73			hJ	x2	30		gy mi	SN	PR	RF					
BHUA-04	95.60				hJ		60		yl-mi	SN	PR	RF					
BHUA-04	95.67				hJ		20		gn mi	SN	PR	RF					
BHUA-04	95.78				hJ		35		gn mi	infilled	CU	RF					
BHUA-04	95.82				hJ		20		gn mi	SN	PR	RF					
BHUA-04	95.90	95.95			hJ		50		gn mi	SN	PR	RF					
BHUA-04	96.05				hJ		60		gn mi	SN	PR	RF					
BHUA-04	96.08				hJ		20		gn mi	SN	PR	RF					
BHUA-04	96.16				hJ		50		gn mi	SN	PR	RF					
BHUA-04	96.23				hJ		20		gn mi	SN	PR	RF					
BHUA-04	96.24				hJ		60		gn mi	SN	PR	RF					
BHUA-04	96.30	96.34			hJ	x7	60		yl	VN	PR						
BHUA-04	96.34				hJ		20		yl	VN	PR						
BHUA-04	96.40				hJ		70		yl	VN	PR						
BHUA-04	96.42	96.45			hJ	x5	35		yl	VN	PR						
BHUA-04	96.50				V		55		yl		CU			2			
BHUA-04	96.56	96.63			V		60		yl	VN							
BHUA-04	96.64	96.81			hJ	x10	30		yl	VN	PR						
BHUA-04	96.75				hJ		35		yl	VN	PR						
BHUA-04	96.80				V		70		yl		PR			2			
BHUA-04	96.83				hJ		70		wh	VN	PR						
BHUA-04	96.96				hJ		80		yl	VN	PR-IR						
BHUA-04	97.05				hJ		50		yl	SN-VN	PR						
BHUA-04	97.06				hJ		75		wh	VN	PR						
BHUA-04	97.19				V		85		wh		PR-IR			2			
BHUA-04	97.23	97.26			hJ		30		yl	SN-VN	PR						
BHUA-04	97.30	97.32			hJ	x2	55		yl	VN	PR						
BHUA-04	97.38	97.42			hJ	x5	25		yl	VN	PR						
BHUA-04	97.40	97.62			hJ	x12	45		yl	VN	PR-IR						
BHUA-04	97.40	98.00															Magnetic
BHUA-04	97.66	97.68			hJs	x3	25		yl	VN	PR						
BHUA-04	97.77	97.97			hJs	x11	55		yl	VN	PR						
BHUA-04	97.84				hJ		30		yl	VN	PR						
BHUA-04	97.91				J		25		dark-pale gr, dk gy and bk	SN	IR	RF					
BHUA-04	98.04	98.14			V				yl mi	VN	IR						
BHUA-04	98.05				hJ		50		yl mi	VN	IR-PR						
BHUA-04	98.12				J		50		dark-pale gr, dk gy and bk	CN	IR	RF					
BHUA-04	98.15	98.22			hJ	x6	70		yl	VN	PR-IR						
BHUA-04	98.25				hJ		40		wh	VN	PR						
BHUA-04	98.28				hJ		85		yl	VN	IR						
BHUA-04	98.32	98.43			hJ	x6	70		yl	VN	PR						
BHUA-04	98.37	99.24															Magnetic
BHUA-04	98.48	98.49			hJ	x2	30		yl	VN	PR-IR						
BHUA-04	98.55				hJ		85		wh	VN	PR-IR						
BHUA-04	98.60	98.93			hJ	x15	50		wh-yl mi	VN-SN	PR						
BHUA-04	98.74				hJ		85		yl	VN	IR						
BHUA-04	98.95				hJ		80		yl	VN	CU						
BHUA-04	99.02	99.03			hJ		30		yl	VN	PR						
BHUA-04	99.05	99.09			hJ	x3	70		yl	VN-SN	PR-IR						
BHUA-04	99.10				hJ		80		yl	VN	PR-IR						
BHUA-04	99.12	99.13			hJ		5		yl	VN	PR-IR						
BHUA-04	99.17	99.18			hJ	x3	25		yl	VN	IR						
BHUA-04	99.18	99.21			hJ		20		yl	VN	PR						
BHUA-04	99.24				hJ		70		yl	VN	PR						
BHUA-04	99.31				hJ		45		yl-mi	SN	PR	RF					
BHUA-04	99.41	99.48			hJ	x3	50		yl-mi	SN	IR	RF					
BHUA-04	99.60				hJ		65		yl-mi	SN	PR	RF					
BHUA-04	99.64				hJ		10		yl-mi	SN	IR	RF					
BHUA-04	99.65				V		75		wh Qtz mi	SN	IR	RF					
BHUA-04	99.70				hJ		75		yl-mi	SN	IR	RF					
BHUA-04	99.76				hJ		5		yl-mi	SN	PR	RF					
BHUA-04	99.89				hJ		75		yl-mi	SN	UN	RF					
BHUA-04	99.89	99.93			hJ	x3	40		yl-mi	SN	PR	RF					

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	100.00	100.05			V												
BHUA-04	100.03	100.08			hJ	x2	35		yl mi	SN	PR	RF					
BHUA-04	100.12	100.18			hJ	x3	40		yl mi	SN	PR	RF					
BHUA-04	100.34	100.40			hJ	x3	20		yl mi	SN	PR	RF					
BHUA-04	100.35	100.41			hJ		75		yl mi	SN	PR	RF					
BHUA-04	100.45				hJ		85		yl-mi	SN	CU	RF					
BHUA-04	100.47				V		25		wh Qtz mi	SN	UN	RF					
BHUA-04	100.50	100.63			hJ		30		yl mi	SN	PR	RF					
BHUA-04	100.66				hJ		85		yl mi	SN	PR-UN	RF					
BHUA-04	100.68				hJ		28		yl-mi	SN	PR	VR					
BHUA-04	100.81				J		30		wh-mi	SN	PR	RF					
BHUA-04	100.85	100.92			hJ		30		yl-mi	SN	PR	RF					
BHUA-04	100.87	100.91			hJ	x3	25		yl-mi	SN	PR	RF					
BHUA-04	100.91				hJ		30		yl-mi	SN	PR	RF					
BHUA-04	100.94				hJ		60		yl-mi	SN	PR	RF					
BHUA-04	100.95				hJ	x2	60		yl-mi	SN	PR	RF					
BHUA-04	101.02				hJ	x2	80		yl-mi	SN	PR	RF					
BHUA-04	101.06	101.13			hJ	x2	45		yl-mi	SN	PR	RF					
BHUA-04	101.13				hJ		45		yl-mi	SN	UN	RF					
BHUA-04	101.15	101.18			hJ	x2	85		wh mi	SN	CU	RF					
BHUA-04	101.20	101.26			hJ	x2	75		wh mi	SN	PR	RF					
BHUA-04	101.25				hJ		70		wh-mi	SN	PR	RF					
BHUA-04	101.36				V		55		wh-mi	SN	PR	RF					
BHUA-04	101.53				hJ		30		yl-mi	SN	PR	RF					
BHUA-04	101.56				hJ		90		yl-mi	SN	PR	VR					
BHUA-04	101.72				hJ		75		yl-mi	SN	PR	VR					
BHUA-04	101.82				hJ		50		yl- mi	SN	PR	RF					
BHUA-04	101.86	101.90			hJ	x3	80		yl- mi	SN	PR-CU	RF					
BHUA-04	101.93				hJ		15		yl-mi	SN	CU	RF					
BHUA-04	102.04	102.11			hJ	x3	75		yl-mi	SN	PR	RF					
BHUA-04	102.12	102.13			hJ	x2	75		yl-mi	SN	CU	RF					
BHUA-04	102.20				HB												
BHUA-04	102.22				hJ		70		yl-mi	SN	PR	RF					
BHUA-04	102.32	102.82			hJ	x11	45		yl-mi	VN	PR						
BHUA-04	102.44				hJ		90		yl	VN	UN-IR						
BHUA-04	102.61				hJ		45		wh	VN	PR-IR						
BHUA-04	102.79				J		45			CN	IR	RF					
BHUA-04	102.91				hJ		10		wh	VN	PR						
BHUA-04	102.95				hJ		45		yl	VN	PR						
BHUA-04	103.01	103.41			hJ	x12	45		yl	VN	PR						
BHUA-04	103.11	103.13			hJ	x13	80		yl	VN	PR-UN						
BHUA-04	103.28				V		80		wh		IR						
BHUA-04	103.38				hJ		90		wh	VN	UN-IR						
BHUA-04	103.50				V		85		wh		IR			5			
BHUA-04	103.60				hJ		75		yl	VN	PR						
BHUA-04	103.68				J		20			CN	IR	RF					
BHUA-04	103.75	103.90			hJ	x5	75		yl	VN	PR						
BHUA-04	103.85	103.95															Magnetic
BHUA-04	103.90	104.06			AZ				pale pink, dark gr and gy	CT-VN	CU-IR						
BHUA-04	104.07	104.65															Magnetic
BHUA-04	104.10				V		85		gy		IR						
BHUA-04	104.11	104.15			hJ	x2	60		yl	VN	PR						
BHUA-04	104.15				hJ		90		yl	VN	CU-IR						
BHUA-04	104.18				hJ		10		wh	VN	PR						
BHUA-04	104.29	104.38			hJ	x6	60		gy	VN	PR-IR						
BHUA-04	104.38				hJ		60		wh	VN	PR-IR						
BHUA-04	104.42				V		65		wh		PR			4			
BHUA-04	104.48				J		55		wh	CT	PR-ST	RF-SM					
BHUA-04	104.55				J		80			CN	IR-PR	RF					
BHUA-04	104.60	104.65			AZ				pale pink, dark gr and gy	CT-VN	CU-IR						
BHUA-04	104.79	104.88			hJ	x3	70		wh	VN	IR						
BHUA-04	104.89	104.98			hJ	x3	20		wh		IR						
BHUA-04	105.00	105.20															Magnetic
BHUA-04	105.09	105.15			hJ	x3	60		bk	VN	PR-ST						
BHUA-04	105.10				hJ		80		yl	VN	PR						
BHUA-04	105.11	105.13			hJ	x2	25		wh	VN	PR						
BHUA-04	105.16				hJ		50		yl	VN	PR						
BHUA-04	105.20	105.22			hJ		50		yl	VN	PR						
BHUA-04	105.34				hJ		50		yl-mi	SN	CU	RF					
BHUA-04	105.35				hJ		70		yl-mi	SN	UN	RF					
BHUA-04	105.42				hJ		55		wh-mi	SN	UN	RF					
BHUA-04	105.44				hJ		40		yl-mi	SN	PR	RF					
BHUA-04	105.52				hJ		65		pi-mi	SN	UN	RF					
BHUA-04	105.62				V		70		pi -mi	SN	IR	RF					
BHUA-04	105.71				hJ		60		gr-mi	SN	CU	RF					
BHUA-04	105.74				hJ		70		gr-mi	SN	UN	RF					
BHUA-04	105.83				hJ		70		yl-mi	SN	PR	RF					
BHUA-04	105.84				J		20		wh-mi	VN	UN	RF					
BHUA-04	105.95				hJ		70		yl-mi	SN	CU	RF					

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	105.97				hJ		35		yl-mi	SN	CU	RF					
BHUA-04	106.04				hJ		60		yl-mi	SN	IR	RF					
BHUA-04	106.11				V		10		wh-mi	SN	UN	RF					
BHUA-04	106.16				hJ		20		gr-mi	SN	PR	RF					
BHUA-04	106.28				hJ		60		pi-mi	SN	IR	RF					
BHUA-04	106.33	106.43			hJ				yl-mi	SN		RF					
BHUA-04	106.46				hJ		40		yl-mi	SN	PR	RF					
BHUA-04	106.47				J		15		wh-mi	SN	PR	RF					
BHUA-04	106.52				hJ		60		wh-mi	SN	PR	RF					
BHUA-04	106.52	106.54			hJ	x2	20		gn mi	SN	PR	RF					
BHUA-04	106.64				hJ		45		yl-mi	SN	CU	RF					
BHUA-04	106.65	106.79			hJ	x5	70		yl mi	SN	PR-IR	RF					
BHUA-04	106.66	106.68			hJ	x2	15		yl mi	SN	PR	RF					
BHUA-04	106.70				hJ		40		yl-mi	SN	PR	RF					
BHUA-04	106.76				hJ		20		yl-mi	SN	PR	RF					
BHUA-04	106.81				V		85		wh-mi	SN	CU	RF					
BHUA-04	106.87				hJ		70		yl-mi	SN	UN	RF					
BHUA-04	106.93				hJ		10		yl-mi	SN	PR	RF					
BHUA-04	106.94				J		70		yl-gn mi	SN	UN	RF					
BHUA-04	106.98				hJ		60		yl-mi	SN	PR	RF					
BHUA-04	107.03				J		10		wh-mi	SN	ST	RF					
BHUA-04	107.06				hJ		60		gr-mi	SN	PR	VR					
BHUA-04	107.10				hJ	x2	90		yl mi	SN	CU	RF					
BHUA-04	107.12	107.13			hJ	x2	50		wh mi	SN	PR	RF					
BHUA-04	107.13				hJ		70		yl-mi	SN	CU	RF					
BHUA-04	107.18				J		5		gr-mi	SN	UN	RF					
BHUA-04	107.20				J		70		gr-mi	VN	ST	RF					
BHUA-04	107.22	107.36			AZ				yl-mi	CT-VN	CU-IR						
BHUA-04	107.27				J		70		gn-mi, gravel infill	CT	UN	VR					
BHUA-04	107.41				hJ	x3	55		yl-mi	SN	UN	RF					
BHUA-04	107.43	107.47			hJ	x3	20		yl-mi	SN	CU	RF					
BHUA-04	107.45				J				wh, gn-mi	VN	UN-ST	RF					
BHUA-04	107.50				V		60		wh-mi	infilled	UN	RF					
BHUA-04	107.59				hJ		20		wh-mi	SN	UN	RF					
BHUA-04	107.68				V		10		wh-mi	SN	CU	RF					
BHUA-04	107.70				hJ		80		yl-mi	infilled	UN	RF					
BHUA-04	107.70	107.87			hJ	x7	60		yl-mi	SN	PR	RF					
BHUA-04	107.88				J		20		yl-mi	SN	UN	RF					
BHUA-04	108.00				hJ		30		bk	VN	IR						
BHUA-04	108.05				hJ	x3	70		wh mi	SN	PR-UN	RF					
BHUA-04	108.06				hJ		20		wh-mi	SN	PR	RF					
BHUA-04	108.13				J		55		wh, rd-mi	CT	PR	VR					
BHUA-04	108.20	108.24			hJ	x2	75		wh mi	infilled	PR-UN	RF					
BHUA-04	108.25				hJ		80		wh, rd-mi	CT	UN	VR					
BHUA-04	108.40				V		70		rd bk		PR-IR			6			
BHUA-04	108.45				V		90		rd		CU-IR						
BHUA-04	108.46	108.48			hJ		55		yl	VN	PR						
BHUA-04	108.48				J		65		rd	SN-VN	PR	RF-SM					
BHUA-04	108.62				hJ		90		yl	VN	PR-IR						
BHUA-04	108.71				DB				multiple breaks due to drilling								
BHUA-04	108.79	108.83			hJ		45		yl	VN	PR						
BHUA-04	108.80				V		90		wh		CU-IR						
BHUA-04	108.81				V		90		rd-wh		CU-IR						
BHUA-04	108.83				MB				multiple breaks due to drilling								
BHUA-04	108.96				V		90		rd-wh		IR						
BHUA-04	108.97				hJ		45		bk	VN	PR						
BHUA-04	108.98				hJ		85		bk	VN	PR						
BHUA-04	109.04				hJ		10		wh	VN	IR						
BHUA-04	109.05	109.08			hJ	x2	55		bk	VN	PR						
BHUA-04	109.07				hJ		55		wh	VN	PR						
BHUA-04	109.27				hJ		70			VN	IR						
BHUA-04	109.29				hJ		80		yl	VN	IR						
BHUA-04	109.36				hJ		75		yl	VN	IR						
BHUA-04	109.37				MB				multiple breaks due to drilling								
BHUA-04	109.37	109.40			hJ	x4	50		yl	VN	PR						
BHUA-04	109.56	109.70			hJ				bk	VN	PR						
BHUA-04	109.61				hJ		85		yl	VN	PR-IR						
BHUA-04	109.67				V		5		yl		CU						
BHUA-04	109.74				hJ		70		Wh	VN	PR						
BHUA-04	109.77	109.80			hJ	x3	55		yl	VN	IR						
BHUA-04	109.81				hJ		35		bk	VN	PR						
BHUA-04	109.89				hJ		65		yl	VN	PR-IR						
BHUA-04	109.95	109.96			hJ		50		wh	VN	IR						
BHUA-04	110.02				J		30			CN	PR	RF					
BHUA-04	110.10				J		70			CN	PR	RF					
BHUA-04	110.11				J		35			CN	PR	RF					
BHUA-04	110.23				hJ		70		yl	VN	PR						
BHUA-04	110.27				hJ		85		yl	VN	IR-PR						
BHUA-04	110.29	110.34			hJ		80		yl	VN	PR-IR						

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	110.31				hJ		35		yl	VN	PR						
BHUA-04	110.38				hJ		45		wh	VN	PR						
BHUA-04	110.39				J		45			CN	PR	RF-SM					
BHUA-04	110.40				hJ		50		yl	VN	PR						
BHUA-04	110.43	110.44			hJ	x2	45		wh	VN	PR						
BHUA-04	110.45				hJ		60		yl	VN	PR-IR						
BHUA-04	110.46	110.48			hJ	x4	66		yl	VN	PR-IR						
BHUA-04	110.54				J		40			CN	PR-UN	RF-SM					
BHUA-04	110.58				V		65		yl		ST-UN			4			
BHUA-04	110.60				hJ		60		yl	VN	PR-IR						
BHUA-04	110.61				hJ		75		yl	VN	PR-IR						
BHUA-04	110.66				hJ		35		yl	VN	PR-IR						
BHUA-04	110.68				hJ		75		yl	VN	PR-IR						
BHUA-04	110.73				J		30			CN	PR	RF					
BHUA-04	110.75				J		75		rd	VN	PR	RF-SM					
BHUA-04	110.76				hJ		60		yl	VN	PR						
BHUA-04	110.88				hJ		80		yl	VN	UN						
BHUA-04	110.90	110.97			hJ	x7	35		yl	VN	PR						
BHUA-04	110.92				J		25		rd-wh	CT	PR	RF					
BHUA-04	110.97				J		35		rd-wh	VN	PR	RF-SM					
BHUA-04	111.10	111.11			hJ	x2	65		bk	VN	PR						
BHUA-04	111.19				V		75		wh		PR-IR						
BHUA-04	111.25				hJ		15		yl	VN	ST						
BHUA-04	111.27				hJ		55		wh-rd	VN	PR						
BHUA-04	111.30	111.40			CS		45		pale gr and dark gy	CN	CU-PL	RF-SM					
BHUA-04	111.31				hJ		70		wh	VN	IR						
BHUA-04	111.33				hJ		20		wh	VN	PR-CU						
BHUA-04	111.41				hJ		40		yl-mi	SN	PR	RF					
BHUA-04	111.42	111.43			hJ		70		bl-mi	SN	PR	RF					
BHUA-04	111.44	111.47			hJ		20		gr-mi	SN	IR	RF					
BHUA-04	111.52				CS		50		dark rd and gy mi	CN	PR-CU	RF					
BHUA-04	111.56	111.58			hJ	x2	50		wh mi	SN	PR-CU	RF					
BHUA-04	111.57				V		70		Qtz infill	CT	CU	RF					
BHUA-04	111.59				J		50		rd-mi	SN	CU	RF					
BHUA-04	111.62	111.72			hJ		75		rd-mi	SN	PR	RF					
BHUA-04	111.74				hJ		80		rd-mi	SN	UN	RF					
BHUA-04	111.75				J		60		rd-mi	VN	UN	VR					
BHUA-04	111.77				hJ		20		wh-mi	infilled	UN	RF					
BHUA-04	111.79	111.83			hJ	x2	50		wh-mi	SN	UN	RF					
BHUA-04	111.84				hJ		50		wh-mi	VN	UN	RF					
BHUA-04	111.84	111.88			hJ		50		wh-mi	SN	PR-UN	RF					
BHUA-04	111.87				hJ		70		wh-mi	infilled	UN	RF					
BHUA-04	111.92				J		75		rd	SN	PR	VR					
BHUA-04	111.94				hJ		60		yl-mi	SN	ST	RF					
BHUA-04	111.97				hJ		80		yl-mi	infilled	PR	RF					
BHUA-04	112.04				J		70		rd-mi	SN	UN	RF					
BHUA-04	112.09				V		45		Qtz infill	infilled	CU	RF					
BHUA-04	112.12				hJ	x2	70		yl-mi	SN	UN	RF					
BHUA-04	112.21				hJ		85		yl-mi	SN	UN	RF					
BHUA-04	112.26				hJ		60		yl-mi	SN	UN	RF					
BHUA-04	112.35				V		30		wh-mi	SN	PR-ST	RF					
BHUA-04	112.44				hJ		20		yl-mi	SN	IR	RF					
BHUA-04	112.44	112.53			V				yl-mi	SN							
BHUA-04	112.53	112.66			hJ	x8	10		wh-mi	SN	PR	RF					
BHUA-04	112.57				hJ		70		gr-mi	SN	UN	RF					
BHUA-04	112.58	112.64			V				wh-mi	SN							
BHUA-04	112.68				hJ		60		yl-mi	SN	UN	RF					
BHUA-04	112.72				J		40		wh-mi	SN	ST	RF					
BHUA-04	112.75	112.76			hJ		60		wh-mi	SN	ST	RF					
BHUA-04	112.79				hJ		75		wh-mi	SN	UN-ST	RF					
BHUA-04	112.81	112.84			V				wh-mi	SN		RF					
BHUA-04	112.86				hJ	x3	70		wh-mi	SN	UN-ST	RF					
BHUA-04	112.88	112.89			hJ	x2	60		wh-mi	SN	PR	RF					
BHUA-04	112.90	112.93			hJ	x2	70		wh-mi	SN	UN-ST	RF					
BHUA-04	112.94				hJ	x2	60		wh-mi	SN	PR	RF					
BHUA-04	112.95	112.97			hJ	x2	50		wh-mi	SN	PR-CU	RF					
BHUA-04	113.03				hJ		55		yl-mi	SN	PR	SM					
BHUA-04	113.06				hJ		40		yl-mi	SN	PR	RF					
BHUA-04	113.07	113.08			hJ	x2	40		yl-mi	SN	PR	RF					
BHUA-04	113.11	113.16			hJ	x2	60		yl-mi	SN	PR-CU	RF					
BHUA-04	113.20	113.32			AZ	x4	50		yl-mi	SN	PR						
BHUA-04	113.44	113.52			CS												
BHUA-04	113.53	113.57			hJ	x2	60		wh-mi	SN	CU	RF					
BHUA-04	113.66	113.96			hJ	x9	60		wh-mi	SN	PR-UN	RF					
BHUA-04	113.79				J		10		rd-mi	SN	PR	RF					
BHUA-04	114.07	114.12			hJ	x2	60		wh-mi	SN	CU-UN	RF					
BHUA-04	114.12				J		15		rd-mi	SN	IR	RF					
BHUA-04	114.13				J		50		rd-mi	SN	UN	RF					
BHUA-04	114.16	114.24			V												

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	114.18	114.25			hJ	x3	30		wh-mi	SN	PR	RF					
BHUA-04	114.26	114.32			J		5			CN	IR	VR					
BHUA-04	114.30	114.35			V		60										
BHUA-04	114.35				hJ		70		wh-mi	SN	CU	RF					
BHUA-04	114.36				hJ		40			SN	CU	RF					
BHUA-04	114.39				hJ		70			SN	CU	RF					
BHUA-04	114.48				hJ		25		bk	VN	IR						
BHUA-04	114.49				hJ				bk	VN	IR						
BHUA-04	114.51				V		60		wh		CU-ST						
BHUA-04	114.54	114.55			hJ		25		wh	VN	PR						
BHUA-04	114.60				hJ						PR						
BHUA-04	114.62				hJ		45				PR						
BHUA-04	114.65				hJ		20		wh	VN	PR						
BHUA-04	114.69				J		60		wh	CT	PR	RF					
BHUA-04	114.69	114.76			hJ		45										
BHUA-04	114.79	114.81			hJ	x3	20		wh	VN	PR-ST						
BHUA-04	114.86	114.93			hJ	x3	70		wh	VN	PR						
BHUA-04	114.88				hJ		45		bk, with pyrite within	VN	PR						
BHUA-04	114.96	114.98			hJ	x3	50		wh	VN	PR						
BHUA-04	115.02				hJ		45		wh	VN	PR						
BHUA-04	115.05				hJ		45		wh	VN-SN	PR						
BHUA-04	115.09	115.18			hJ	x3	60		wh	SN-VN	PR						
BHUA-04	115.09	115.19			hJ	x2	70		wh	SN-VN	PR-ST						
BHUA-04	115.13				J		10			CN	IR	RF					
BHUA-04	115.27				hJ		10		wh	VN-SN	PR						
BHUA-04	115.29				hJ		90		wh	VN	IR						
BHUA-04	115.30				hJ		75		wh	VN	IR						
BHUA-04	115.32	115.42			hJ	x6	45		wh	VN	PR						
BHUA-04	115.34				J		5			CN	IR	VR					
BHUA-04	115.38				hJ		60		bk	VN	PR						
BHUA-04	115.40				hJ		70			CN	PR						
BHUA-04	115.45				J		45		wh	CT	PR	RF					
BHUA-04	115.45	115.63			hJ	x4	60				PR						
BHUA-04	115.47				hJ		40		wh	VN	PR						
BHUA-04	115.50				hJ				yl	VN	PR						
BHUA-04	115.56				J		45		wh	CT	UN	RF					
BHUA-04	115.64				J		60		wh	CT	PR	RF					
BHUA-04	115.66				V		55		wh		PR						
BHUA-04	115.70				hJ		50		bk-yl	SN-VN	PR						
BHUA-04	115.76				hJ		20			VN	PR						
BHUA-04	115.78	115.80			hJ	x5	55		wh	VN	IR						
BHUA-04	115.89				hJ		55		wh	VN	PR						
BHUA-04	115.90				hJ		5		wh	VN	PR-IR						
BHUA-04	115.91				hJ		75		wh	VN	PR						
BHUA-04	116.07				V		80		wh, contact between lamprophyre and granite		PR						
BHUA-04	116.07	116.73			hJ	x33	60		yl	VN	PR						
BHUA-04	116.10				hJ		45		wh	VN	PR						
BHUA-04	116.40				hJ		65		wh	VN	PR						
BHUA-04	116.52				hJ		75		wh	VN	IR-PR						
BHUA-04	116.61				J		5		br	SN	CU	RF					
BHUA-04	116.82				hJ		25		yl	VN	PR						
BHUA-04	116.91				hJ		75		yl	VN	CU-PR						
BHUA-04	116.96	116.97			hJ		40		yl	VN	PR						
BHUA-04	117.06				hJ		90		wh	VN	IR						
BHUA-04	117.10				hJ		20		wh	VN	PR						
BHUA-04	117.12	117.97			hJ	x47	40		wh	VN	PR						
BHUA-04	117.13				hJ		80		wh	VN	PR						
BHUA-04	117.26				hJ		85		wh	VN	IR						
BHUA-04	117.35				hJ		90		wh	VN	PR						
BHUA-04	117.44	117.72			hJ	x10	40		wh	VN	PR-IR						
BHUA-04	117.51				J		25			CN	IR-PR	RF					
BHUA-04	117.67				J		60			CN	PR	SM					
BHUA-04	117.85				V		70		wh		PR-IR						
BHUA-04	117.89				hJ		40		bk	VN	PR						
BHUA-04	117.90				hJ		85		wh	VN	PR						
BHUA-04	117.90	117.94			hJ	x3	65		wh	VN	PR						
BHUA-04	118.00	118.02			hJ	x3	35		yl-mi	SN	CU	RF					
BHUA-04	118.04				J		20			SN	PR-ST	RF					
BHUA-04	118.07				hJ		35		yl-mi	SN	PR	RF					
BHUA-04	118.13	118.23			hJ	x7	35		yl-mi	SN	PR	RF					
BHUA-04	118.15				hJ		10		yl-mi	SN	PR	RF					
BHUA-04	118.19				hJ		75		yl-mi	SN	UN	RF					
BHUA-04	118.27				hJ		70		yl-mi	SN	PR	RF					
BHUA-04	118.30	118.48			hJ	x3	55		yl-mi	SN	PR	RF					
BHUA-04	118.32				V		55		wh-mi	SN	PR	RF					
BHUA-04	118.38				hJ		75		yl-mi	SN	IR	RF					
BHUA-04	118.48				hJ		65		yl-mi	SN	PR	RF					
BHUA-04	118.54				hJ		80		yl-mi	SN	UN	RF					
BHUA-04	118.54	118.58			hJ	x3	50		yl-mi	SN	CU	RF					

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	118.61	118.74			hJ	x8	50		yl-mi	SN	PR	RF					
BHUA-04	118.82				hJ		70		yl-mi	SN	UN	RF					
BHUA-04	118.85				hJ		50		yl-mi	SN	ST	RF					
BHUA-04	118.92				hJ		40		yl-mi	SN	PR	RF					
BHUA-04	118.95				hJ		75		yl-mi	SN	PR	RF					
BHUA-04	119.00				hJ		20		wh	VN	PR						
BHUA-04	119.03				hJ		85		wh	VN	IR						
BHUA-04	119.04	119.32			hJ	x9	20		wh	VN	PR						
BHUA-04	119.05				V		20		4mm		PR-IR						
BHUA-04	119.06				hJ		20		wh	VN	PR						
BHUA-04	119.13				J		20			CN	PR-ST	SM-RF					
BHUA-04	119.16				hJ				wh	VN	UN						
BHUA-04	119.20				V		90		wh-rd		PR-ST-UN						
BHUA-04	119.25				hJ		20		wh	VN	PR-ST						
BHUA-04	119.33				hJ		85		wh	VN	PR-IR						
BHUA-04	119.40				hJ		40		wh	VN	PR						
BHUA-04	119.46				hJ		50		wh	VN	PR						
BHUA-04	119.50				hJ		65		wh	VN	PR						
BHUA-04	119.51				J		25			CN	IR	RF					
BHUA-04	119.54	119.74			hJ	x11	45		wh	VN	PR-IR						
BHUA-04	119.80				hJ	x4	90		wh		IR						
BHUA-04	119.86				J		25			SN	PR	RF					
BHUA-04	119.92				hJ		80		wh	VN	PR						
BHUA-04	119.95				hJ		70		wh	VN	PR-IR						
BHUA-04	120.02	120.03			hJ	x2	60		wh	VN	PR						
BHUA-04	120.06	120.13			hJ	x4	55		wh	VN	PR						
BHUA-04	120.15	120.20			hJ		20		yl	VN	PR-IR						
BHUA-04	120.17	120.45			hJ	x14	70		yl	VN	PR-IR						
BHUA-04	120.29				V		50		wh		IR						
BHUA-04	120.34	120.70			hJ	x8	65		yl-bk	VN	PR						
BHUA-04	120.56				J		55			CN	PR	SM-RF					
BHUA-04	120.72	120.93			hJ	x6	25		yl	VN	PR						
BHUA-04	120.80				hJ		55		yl	VN	PR-IR						
BHUA-04	120.92	120.94			hJ	x6	80		yl	VN	PR						
BHUA-04	120.94				hJ		75		yl	VN	PR-UN						
BHUA-04	121.09				hJ		30		yl	VN	PR						
BHUA-04	121.15	121.19			hJ	x3	85		yl	VN	PR-IR						
BHUA-04	121.21	121.23			hJ	x2	25		yl	VN	PR						
BHUA-04	121.28				J		5			CN	IR	RF					
BHUA-04	121.29				J		65			CN	IR-UN	RF					
BHUA-04	121.40				hJ		75		wh	VN	IR						
BHUA-04	121.45	121.46			hJ	x2	60		wh	VN	PR-IR						
BHUA-04	121.47				V		65		wh		IR-PR						
BHUA-04	121.50				hJ		60		wh	VN	PR						
BHUA-04	121.54				J		10			CN	PR	RF					
BHUA-04	121.63				hJ		90		yl	VN	CU						
BHUA-04	121.65				hJ		90		wh	VN	PR						
BHUA-04	121.87				J		5		dark rd/gy and wh	CN	IR	RF					
BHUA-04	121.96				hJ		35		yl	VN	PR						
BHUA-04	122.06				hJ		20		yl	VN	PR						
BHUA-04	122.16				hJ		55		yl	VN	IR						
BHUA-04	122.25				hJ		30		yl	VN	PR						
BHUA-04	122.26				hJ		65		yl	VN	PR						
BHUA-04	122.31	122.36			hJ		40		bk-wh	VN-SN	PR						
BHUA-04	122.45				hJ		25		yl	VN	IR						
BHUA-04	122.47				hJ		75		yl	VN	IR						
BHUA-04	122.48				hJ		35		yl	VN	IR						
BHUA-04	122.49				hJ		20		yl	VN	PR						
BHUA-04	122.56				hJ		10				PR			5			
BHUA-04	122.60				hJ		65		yl	VN	IR						
BHUA-04	122.61				hJ		10		yl	VN	PR-IR						
BHUA-04	122.63	122.75			hJ	x8	70		yl	VN	PR-IR						
BHUA-04	122.71				hJ		70		wh	VN	PR						
BHUA-04	122.76				hJ		65		yl	VN	PR-IR						
BHUA-04	122.78				hJ		5		yl	VN	IR						
BHUA-04	122.84				hJ		80		wh	VN	PR						
BHUA-04	122.88	122.95			hJ		30		yl	VN	PR						
BHUA-04	123.02				hJ		20		yl	VN	PR						
BHUA-04	123.04	123.23			hJ	x8	80		yl	VN	PR-IR						
BHUA-04	123.26	123.32			hJ	x2	15		yl-mi	SN	PR	RF					
BHUA-04	123.39	123.69			hJ	x2			yl-mi	SN	UN	RF					
BHUA-04	123.52				hJ		15		yl-mi		UN	RF					
BHUA-04	123.60	123.61			hJ	x2	15		yl-mi	SN	PR	RF					
BHUA-04	123.63	123.64			hJ	x2	25		yl-mi	SN	PR	RF					
BHUA-04	123.68				hJ		85		yl-mi	SN	UN	RF					
BHUA-04	123.76				V		55		Qtz infill	SN	PR-UN	RF					
BHUA-04	123.89				hJ	x2	55		yl-mi	SN	PR	RF					
BHUA-04	123.95	123.98			hJ	x2	35		yl-mi	SN	PR	RF					
BHUA-04	123.96				hJ		65		wh-mi		UN	RF					

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	123.97				hJ		70		yl-mi	SN	PR	RF					
BHUA-04	124.08				hJ		30		yl-mi	SN	PR	RF					
BHUA-04	124.10				hJ		70		yl-mi	SN	PR	RF					
BHUA-04	124.11				hJ		30		yl-mi	SN	PR	RF					
BHUA-04	124.13				V		75		wh-mi	SN	PR	RF					
BHUA-04	124.18				hJ		30		yl-mi	SN	PR	RF					
BHUA-04	124.19				hJ		20		yl	VN	PR						
BHUA-04	124.26				hJ		10		yl	SN	PR	RF					
BHUA-04	124.32				hJ		75		yl-mi	SN	PR	RF					
BHUA-04	124.33	124.38			hJ	x3	30		yl-mi	SN	PR	RF					
BHUA-04	124.34	124.47			hJ	x5	20		yl-mi	SN	PR	RF					
BHUA-04	124.35	124.38			hJ	x2	35		yl-mi	SN	PR	RF					
BHUA-04	124.42				hJ		20		yl-mi	SN	PR	RF					
BHUA-04	124.45				hJ	x2	75		yl-mi	SN	PR	RF					
BHUA-04	124.47				hJ		40		wh-mi	SN	PR	RF					
BHUA-04	124.51				hJ		50		yl-mi	SN	UN	RF					
BHUA-04	124.70				hJ		80		yl-mi	SN	PR	RF					
BHUA-04	124.80				hJ		40		yl-mi	SN	PR	RF					
BHUA-04	124.93				hJ		5		yl-mi	SN	UN	RF					
BHUA-04	124.94				hJ	x2	65		yl-mi	SN	PR	RF					
BHUA-04	124.96				hJ		60		yl-mi	SN	PR	RF					
BHUA-04	125.02	125.08			hJ	x4	30		yl-mi	SN	PR	RF					
BHUA-04	125.06				V		70		Qtz infill	SN	UN	RF					
BHUA-04	125.10				hJ		70		yl-mi	SN	PR	RF					
BHUA-04	125.14	125.19			V				yl-mi	SN							
BHUA-04	125.22				hJ		65		yl-mi	SN	PR	RF					
BHUA-04	125.23	125.28			hJ	x2	10		yl-mi	SN	PR	RF					
BHUA-04	125.24				hJ		85		yl-mi	SN	PR	RF					
BHUA-04	125.33	125.36			hJ	x3	45		yl-mi	SN	PR	RF					
BHUA-04	125.44	125.50			hJ	x2	15		yl-mi	SN	PR	RF					
BHUA-04	125.53				hJ		35		yl-mi	SN	ST	RF					
BHUA-04	125.59				hJ		65		yl-mi	SN	PR	RF					
BHUA-04	125.61				hJ		45		yl-mi	SN	PR	RF					
BHUA-04	125.69				hJ		60		yl-mi	SN	PR	RF					
BHUA-04	125.71				hJ		40		yl-mi	SN	UN-CU	RF					
BHUA-04	126.02				hJ	x2	90		yl-mi	SN	UN	RF					
BHUA-04	126.16	126.32			hJ	x6	25		yl-mi	SN	PR	RF					
BHUA-04	126.19	126.21			hJ	x2	15		yl-mi	SN	PR	RF					
BHUA-04	126.29	126.33			hJ	x2	30		yl-mi	SN	PR	RF					
BHUA-04	126.41	126.75			hJ	x10	30		wh	SN-VN	PR						
BHUA-04	126.60				hJ		90		yl	VN	IR						
BHUA-04	126.73	126.79			hJ	x6	55		yl	VN	PR-IR						
BHUA-04	126.87				hJ		28		yl	VN	PR						
BHUA-04	126.95				hJ		15			VN	PR						
BHUA-04	127.08				hJ		80		yl	VN	PR						
BHUA-04	127.08	127.16			hJ		75		wh-yl	VN-SN	PR						
BHUA-04	127.16				hJ		90		yl	VN	IR						
BHUA-04	127.19				hJ		20		yl	VN	PR						
BHUA-04	127.21	127.22			hJ	x3	50		yl	VN	PR						
BHUA-04	127.29	127.31			hJ		15		yl	VN	PR						
BHUA-04	127.34	127.38			hJ	x6	70		yl	VN	PR-IR						
BHUA-04	127.37				hJ		30		yl	VN	PR						
BHUA-04	127.43	127.48			hJ	x4	40		yl	VN	PR						
BHUA-04	127.48	127.95			hJ	x20	20		yl	VN	PR						
BHUA-04	127.50				hJ		80		yl	VN	PR						
BHUA-04	127.52				J		0			CN	UN-PR	RF					
BHUA-04	127.70				hJ		90		yl	VN	PR-IR						
BHUA-04	127.95				hJ				yl	VN	PR						
BHUA-04	128.01	128.98			hJ	x24	20		yl	VN	PR						
BHUA-04	128.07	128.10			hJ	x3	85		wh	VN	PR-IR						
BHUA-04	128.15	128.23			hJ	x4	80		yl	VN	PR						
BHUA-04	128.47				hJ		60		wh	VN	PR						
BHUA-04	128.61	128.62			hJ	x2	70		yl	VN	PR						
BHUA-04	128.81				J		10			CN	UN	RF-SM					
BHUA-04	129.05	129.33			hJ	x7	40		yl	VN	PR						
BHUA-04	129.22	129.23			hJ		65		yl	VN	PR						
BHUA-04	129.30				J		20			CN	PR	SM-RF					
BHUA-04	129.33				hJ		90		yl	VN	IR						
BHUA-04	129.44	129.51			hJ		85				PR	SM					
BHUA-04	129.58				hJ		80		yl-mi	SN	PR	RF					
BHUA-04	129.61				hJ		90		yl-mi	SN	PR	RF					
BHUA-04	129.67				hJ		10		yl-mi	SN	UN	RF					
BHUA-04	129.74				hJ	x2	70		gn, yl-mi	SN	PR	RF					
BHUA-04	129.80				hJ		10		wh-mi	SN	ST-UN	RF					
BHUA-04	129.88				hJ		5		wh-mi	SN	PR	RF					
BHUA-04	130.04	130.07			hJ	x2	30		wh-mi	SN	PR	SM					
BHUA-04	130.10	130.14			hJ		40		gr-mi	SN	PR-UN	RF					
BHUA-04	130.26				hJ		10		yl-mi	SN	PR	RF					
BHUA-04	130.29	130.42			hJ	x7	10		yl-mi	SN	PR	RF					

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	130.36	130.42			hJ	x4	20		yl-mi	SN	PR	RF					
BHUA-04	130.51				hJ		30		yl-mi	SN	PR	RF					
BHUA-04	130.53	130.56			hJ	x2	60		yl-mi	SN	PR	RF					
BHUA-04	130.60				hJ		30		wh-mi	SN	PR	RF					
BHUA-04	130.66				hJ	x2	20		yl	SN	PR	RF					
BHUA-04	130.67				hJ		20		yl-mi	SN	PR	RF					
BHUA-04	130.71				hJ	x2	80		yl-mi	SN	PR	RF					
BHUA-04	130.79	130.85			hJ	x3	60		yl-mi	SN	PR	RF					
BHUA-04	131.05	131.09			hJ	x3	70		yl-mi	SN	PR	SM					
BHUA-04	131.06	131.07			hJ	x2	35		yl-mi	SN	PR	SM					
BHUA-04	131.12	131.16			hJ	x2	70		yl-mi	SN	PR	RF					
BHUA-04	131.18	131.36			hJ	x3	65		yl-mi	SN	PR	RF					
BHUA-04	131.25				hJ		10		yl-mi	SN	PR	RF					
BHUA-04	131.41	131.55			hJ	x3	55		yl-mi	SN	PR	SM					
BHUA-04	131.44	131.49			hJ	x2	15		yl-mi	SN	PR	SM					
BHUA-04	131.54	131.61			hJ	x2	80		yl-mi	SN	PR-UN	SM					
BHUA-04	131.61	131.90			hJ	x8	30		yl-mi	SN	PR	RF					
BHUA-04	131.71				J		40			CN	PR	RF					
BHUA-04	131.82				hJ		80		yl-mi	SN	PR	SM					
BHUA-04	131.95				hJ		90		yl-mi	SN	PR	RF					
BHUA-04	132.09				hJ	x2	85		yl-mi	SN	UN-IR	RF					
BHUA-04	132.25	132.29			hJ	x2	40		yl-mi	SN	PR	RF					
BHUA-04	132.25	132.33			hJ	x5	30		yl-mi	SN	PR	RF					
BHUA-04	132.29	132.30			hJ	x2	60		yl-mi	SN	PR	SM					
BHUA-04	132.31				hJ		80		yl-mi	SN	UN	RF					
BHUA-04	132.32				hJ	x3	80		yl-mi	SN	PR	RF					
BHUA-04	132.40				J		45			CN	IR	RF					
BHUA-04	132.43				hJ		70		yl	VN	PR						
BHUA-04	132.44				hJ				yl	VN	IR						
BHUA-04	132.47				J		5			CN	CU	RF-SM					
BHUA-04	132.48	132.92			hJ	x23	65		yl	VN-SN	PR						
BHUA-04	132.74				J		90			CN	IR	VR-RF					
BHUA-04	132.96				hJ		40		yl	VN	PR						
BHUA-04	133.05				hJ		5		yl	VN	UN-IR						
BHUA-04	133.08				J		10			CN	IR	RF					
BHUA-04	133.20	133.21			hJ		60		yl	VN	PR						
BHUA-04	133.26				hJ				wh	VN	UN						
BHUA-04	133.26	133.28			hJ	x2	65		wh	SN-VN	PR						
BHUA-04	133.30				hJ		60		yl	VN	PR						
BHUA-04	133.31	133.34			hJ		20		yl	VN	PR						
BHUA-04	133.37				J		5			CN	IR	RF					
BHUA-04	133.38				hJ		25		yl	VN	PR						
BHUA-04	133.44				hJ		55		yl	VN	IR						
BHUA-04	133.45				J		5			CN	IR	RF					
BHUA-04	133.51				hJ		5		yl	VN	UN						
BHUA-04	133.52	133.54			hJ	x2	80		yl	VN	PR						
BHUA-04	133.55				hJ		25		yl	VN	PR						
BHUA-04	133.58				hJ		85		yl	VN	PR-IR						
BHUA-04	133.61				J		10			CN	IR	RF					
BHUA-04	133.67	133.94			hJ	x11	25		yl	VN	PR						
BHUA-04	133.83				hJ		65		yl	VN	IR						
BHUA-04	133.89				J		25			CN	PR	RF					
BHUA-04	133.96				hJ		65		yl	VN	PR-IR						
BHUA-04	134.12				hJ		20		wh	VN	PR						
BHUA-04	134.12	134.15			hJ	x2	75		wh	VN	PR						
BHUA-04	134.16	134.24			hJ	x7	30		yl	VN	PR						
BHUA-04	134.35				J		5			CN	PR-IR	SM-RF					
BHUA-04	134.36				hJ		15		yl	VN	PR						
BHUA-04	134.48				J		85			CN	PR	SM-RF					
BHUA-04	134.65	135.00			hJ	x15	25		wh-yl	VN	PR						
BHUA-04	134.68				hJ		60		yl	VN	PR						
BHUA-04	134.83				J		5			CN	IR-PR	RF					
BHUA-04	134.85				hJ		45		yl	VN	PR						
BHUA-04	135.01	135.40			hJ	x10	25		yl	VN	PR						
BHUA-04	135.10				hJ				yl	VN	PR-IR						
BHUA-04	135.13				hJ		35		yl	VN	PR						
BHUA-04	135.14	135.26			hJ	x7	15		yl	VN	PR						
BHUA-04	135.16				hJ		60		wh	VN	PR						
BHUA-04	135.21				hJ		90		yl	VN	PR						
BHUA-04	135.34				hJ		45		wh	VN	PR						
BHUA-04	135.45				hJ		65		yl	VN	PR						
BHUA-04	135.48	135.95			hJ	x19	20		yl	VN	PR						
BHUA-04	135.51				hJ		30		yl	VN	PR						
BHUA-04	135.53				hJ		75		yl	VN	PR						
BHUA-04	135.80				V		65		wh-br		IR			3			
BHUA-04	135.98				hJ		20		yl	VN	PR						
BHUA-04	136.03	136.96			hJ	x43	35		yl	VN	PR						
BHUA-04	136.07				hJ		35		yl	VN	PR						
BHUA-04	136.10				V		20		wh		PR						

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	136.13				hJ		15		yl	VN	ST-PR						
BHUA-04	136.15				hJ		35		yl	VN	PR						
BHUA-04	136.27				hJ		25		yl	VN	ST-PR						
BHUA-04	136.60				J		15			VN	PR	RF-SM					
BHUA-04	136.67				hJ		50		wh	SN	PR						
BHUA-04	136.73				hJ		40		bk	VN	PR						
BHUA-04	136.85				hJ		20		yl	VN	PR-ST-IR						
BHUA-04	136.96				hJ		35		yl	VN	PR						
BHUA-04	137.06	137.07			hJ	x2	50		wh	SN	PR						
BHUA-04	137.09				hJ		5		yl	VN	PR-IR						
BHUA-04	137.12	137.36			hJ	x12	45		yl	VN	PR						
BHUA-04	137.25	137.26			hJ		55		yl	VN	PR						
BHUA-04	137.26				hJ		10		yl	VN	PR						
BHUA-04	137.29	137.30			hJ	x2	35		yl	VN	PR						
BHUA-04	137.35				hJ		45		yl	VN	PR						
BHUA-04	137.37				hJ		25		yl	VN	PR						
BHUA-04	137.38				hJ		20		yl	VN	PR						
BHUA-04	137.40				hJ		20		wh-yl	VN	IR						
BHUA-04	137.42				hJ		15		bk	VN	PR						
BHUA-04	137.46				hJ		15		wh	VN	PR						
BHUA-04	137.48				hJ		70		yl	VN	PR						
BHUA-04	137.58				hJ		5		yl	VN	PR-IR						
BHUA-04	137.62				hJ		70		wh	VN	PR						
BHUA-04	137.63				hJ		90		wh	VN-SN	PR						
BHUA-04	137.66				hJ		10		wh	VN	PR						
BHUA-04	137.73				DB					CN	PR	RF-SM-PO					
BHUA-04	137.76	137.89			hJ		30		yl	VN	IR						
BHUA-04	137.79				hJ		68		wh	VN	PR						
BHUA-04	137.92				hJ		60		yl	VN	PR						
BHUA-04	137.93				hJ				yl	VN	PR-IR						
BHUA-04	138.08	138.28			hJ	x4	80		wh	VN	IR						
BHUA-04	138.14				hJ		70		wh	VN	PR						
BHUA-04	138.22				hJ		65		wh	VN	PR						
BHUA-04	138.33				hJ		55		yl	VN	PR						
BHUA-04	138.41				hJ		60		yl-mi	SN	PR	RF					
BHUA-04	138.50				hJ	x2	75		yl-mi	SN	UN	RF					
BHUA-04	138.57	138.58			hJ	x2	70		yl-mi	SN	PR	RF					
BHUA-04	138.64				hJ		65		yl-mi	SN	PR-CU	RF					
BHUA-04	138.70				hJ		30		yl-mi	SN	PR	RF					
BHUA-04	138.74				hJ		20		yl-mi		PR	RF					
BHUA-04	138.76	138.91			hJ	x7	60		yl-mi	SN	PR-UN	RF					
BHUA-04	138.92	138.93			hJ	x2	40		yl-mi	SN	PR-ST	RF					
BHUA-04	138.97				hJ		90		wh-mi	SN	PR	RF					
BHUA-04	139.02	139.03			hJ	x2	65		yl-mi		PR	RF					
BHUA-04	139.12				hJ		60		yl-mi	SN	PR	RF					
BHUA-04	139.23	139.24			hJ	x2	60		yl-mi	SN	PR	RF					
BHUA-04	139.52	139.59			hJ	x2	80		yl-mi	SN	PR	RF					
BHUA-04	139.69				hJ		70		yl-mi	SN	PR	RF					
BHUA-04	139.70				hJ		10		yl-mi	SN	PR	RF					
BHUA-04	139.74				hJ		30		yl-mi	SN	PR	RF					
BHUA-04	139.76				hJ		55		yl-mi	SN	PR	RF					
BHUA-04	139.84				hJ		40		yl-mi	SN	UN	RF					
BHUA-04	139.94				hJ		20		yl-mi	SN	PR	RF					
BHUA-04	140.02	140.28			hJ	x7	40		yl-mi	SN	PR	RF					
BHUA-04	140.17	140.31			hJ	x7	20		yl-mi	SN	PR	RF					
BHUA-04	140.19				hJ		45		yl-mi	SN	PR	RF					
BHUA-04	140.35				J		10			CN	UN	RF					
BHUA-04	140.36	140.37			hJ	x5	50		yl-mi	SN	PR-UN	RF					
BHUA-04	140.39	140.43			hJ	x2	50		yl-mi	SN	PR	RF					
BHUA-04	140.48				hJ		40		yl-mi	SN	PR	RF					
BHUA-04	140.52	140.61			hJ	x4	40		yl-mi	SN	PR	RF					
BHUA-04	140.68				V		40		Qtz infill	SN	IR	RF					
BHUA-04	140.82				J		60		wh-mi	SN	PR-ST	RF					
BHUA-04	140.86	140.91			hJ	x2	50		yl-mi	SN	PR	RF					
BHUA-04	140.90				hJ	x2	40		yl-mi	SN	PR	RF					
BHUA-04	140.97				hJ		70		yl-mi		PR	RF					
BHUA-04	141.05				hJ		35		wh-mi	SN	PR	RF					
BHUA-04	141.05	141.07			hJ	x2	65		yl-mi	SN	PR-UN	RF					
BHUA-04	141.07				hJ		50		wh-mi	SN	PR	RF					
BHUA-04	141.21				J		15			CN	UN	RF					
BHUA-04	141.22				hJ		65		yl-mi	SN	PR						
BHUA-04	141.25	141.32			hJ	x3	40		yl-mi	SN	PR	RF					
BHUA-04	141.34				hJ		15		yl-mi	SN	PR	RF					
BHUA-04	141.35	141.36			hJ	x2	25		yl-mi	SN	PR	RF					
BHUA-04	141.40				hJ	x2	50		wh	VN	PR						
BHUA-04	141.45				hJ		40		wh	VN	PR						
BHUA-04	141.52				V		60		yl		PR-IR			4			
BHUA-04	141.56	141.57			hJ	x2	40		yl	VN	PR						
BHUA-04	141.64				hJ		90		yl	VN	IR						

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	141.70	141.94			hJ	x21	50		yl	VN	PR						
BHUA-04	141.84				hJ		75		wh	VN	PR-CU						
BHUA-04	141.87				hJ		90		wh	VN	PR						
BHUA-04	141.91	141.94			hJ	x3	65		yl	VN	PR-IR						
BHUA-04	142.03	142.09			hJ		55		yl	VN	PR-IR						
BHUA-04	142.10	142.11			hJ		15		wh	VN	PR-IR						
BHUA-04	142.13				hJ		45		wh	VN	PR-IR						
BHUA-04	142.13	142.24			hJ	x7	35		wh	VN	PR-IR						
BHUA-04	142.19				hJ		90		yl	VN	CU-IR						
BHUA-04	142.33	142.37			hJ	x3	50		wh	VN	PR						
BHUA-04	142.35				J		70			CN	PR	RF					
BHUA-04	142.37	142.38			hJ		85		yl	VN	PR-UN						
BHUA-04	142.39	142.42			hJ	x3	25		wh	VN	PR						
BHUA-04	142.44				hJ	x2	30		yl	VN	PR-UN						
BHUA-04	142.52				hJ		35		yl	VN	PR						
BHUA-04	142.54				hJ		45		wh	VN	PR						
BHUA-04	142.55				hJ		25		wh	VN	PR-UN						
BHUA-04	142.56				hJ		15		wh	VN	PR-IR						
BHUA-04	142.65				hJ		65		wh	VN	PR						
BHUA-04	142.66	142.97			hJ	x32	65		wh-yl	VN-SN	PR						
BHUA-04	143.05				hJ		35		wh	VN	PR						
BHUA-04	143.15	143.45			hJ	x1	25		wh	VN	PR-IR						
BHUA-04	143.20	143.81			hJ	x20	65		wh	VN	PR						
BHUA-04	143.37	143.47			hJ	x5	55		yl-wh	VN	PR-IR						
BHUA-04	143.61				J		35			CN	PR	RF-SM					
BHUA-04	143.63	143.83			hJ	x13	30		yl	VN	PR-IR						
BHUA-04	143.70				J		90		pk	CT	CU-IR	RF-SM					
BHUA-04	143.76				J		35			CN	PR	RF-SM					
BHUA-04	143.90	144.43			SZ		15		dark gy/red	VN	CU-UN	RF-SM					
BHUA-04	144.02				hJ	x9	45		yl-mi	SN	PR	RF					
BHUA-04	144.47				hJ		70		wh-mi	SN	PR	SM					
BHUA-04	144.48				hJ		60		wh-mi	SN	ST-IR	RF					
BHUA-04	144.49				hJ		40		wh-mi	SN	UN	RF					
BHUA-04	144.51				hJ					CN	UN	RF					
BHUA-04	144.53				hJ		50		wh-mi	SN	PR-IR	RF					
BHUA-04	144.55				hJ		50		wh-mi	SN	PR-ST	RF					
BHUA-04	144.55	144.59			hJ	x3	15		wh-mi	SN	CU	RF					
BHUA-04	144.60				hJ		40		wh-mi	SN	IR	RF					
BHUA-04	144.65				hJ		30		wh-mi	SN	IR	RF					
BHUA-04	144.66				hJ		20		wh, rd-mi	SN	IR	RF					
BHUA-04	144.67				hJ		10		wh-mi	SN	PR	RF					
BHUA-04	144.69				hJ		60		wh-mi	SN	CU	RF					
BHUA-04	144.70				hJ		70			CN	PR	RF					
BHUA-04	144.71				hJ		60		wh-mi	SN	CU	RF					
BHUA-04	144.72				hJ		50			CN	PR	RF					
BHUA-04	144.74				hJ				wh-mi	SN	UN	RF					
BHUA-04	144.75				hJ		10			CN	IR	VR					
BHUA-04	144.77				hJ		70		br-mi	SN	PR	RF					
BHUA-04	144.78				hJ		15		wh-mi	SN	PR	RF					
BHUA-04	144.81	144.85			hJ		50			CN	PR	RF					
BHUA-04	144.82				hJ		70		wh-mi	SN	PR	RF					
BHUA-04	144.87				hJ		35		wh-mi	SN	PR	RF					
BHUA-04	144.89	144.91			hJ	x2	70			CN	PR	RF					
BHUA-04	144.92				hJ		35		wh-mi	SN	ST	RF					
BHUA-04	145.04	145.16			hJ	x3	60		yl-mi		PR-UN	RF					
BHUA-04	145.12				hJ		55		yl-mi	SN	PR-IR	RF					
BHUA-04	145.19				hJ		60		wh-mi	SN	IR	RF					
BHUA-04	145.24				hJ		55		yl-mi	SN	PR	RF					
BHUA-04	145.27				hJ		20		wh-mi	SN	IR	RF					
BHUA-04	145.28	145.29			hJ	x2	30		wh-mi	SN	PR	RF					
BHUA-04	145.33				hJ		60		wh-mi	SN	UN	RF					
BHUA-04	145.40	145.70			SZ		60	70	medium to coarse angular gravel and cobbles, dark g	VN	CU	RF					significant
BHUA-04	145.42				hJ		50		yl-mi	CT	PR	RF					
BHUA-04	145.43				J		70			SN	PR	RF					
BHUA-04	145.46				J		10		br-mi	SN	ST	RF					
BHUA-04	145.51				hJ		70		yl-mi	SN	PR	RF					
BHUA-04	145.57	145.63			J	x3	60		yl-mi	SN	PR	RF					
BHUA-04	145.73				hJ		70		yl-mi	SN	UN	RF					
BHUA-04	145.83				hJ		60		yl-mi	SN	PR	RF					
BHUA-04	145.89				hJ		80		yl-mi	SN	UN	RF					
BHUA-04	145.89	145.93			hJ	x2	25		yl-mi	SN	PR	RF					
BHUA-04	145.93				hJ	x3	50		yl-mi	SN	PR-IR	RF					
BHUA-04	146.00	146.97			J		45			CN	PR	SM					
BHUA-04	146.01	146.25			hJ	x5	50		yl-mi	SN	PR	RF					
BHUA-04	146.01	146.37			hJ	x8	50		yl-mi	SN	PR-IR	RF					
BHUA-04	146.09				hJ		65		yl-mi	SN	PR-IR	RF					
BHUA-04	146.09	146.25			hJ	x4	60		yl-mi	SN	PR	RF					
BHUA-04	146.15				hJ		80		yl-mi	SN	PR	RF					
BHUA-04	146.20				J		45		br-mi	SN	PR-UN	RF					

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	146.26				hJ		5		wh-mi	SN	UN-ST	RF					
BHUA-04	146.31				hJ		75		yl-mi	SN	IR	RF					
BHUA-04	146.34	146.37			hJ	x2	28		yl-mi	SN	PR	RF					
BHUA-04	146.39				hJ		35		yl-mi	SN	UN	RF					
BHUA-04	146.43	146.48			V		30										
BHUA-04	146.53				hJ		50		yl-mi	SN	PR	RF					
BHUA-04	146.54	146.65			hJ	x7	40		yl-mi	SN	PR	RF					
BHUA-04	146.55				hJ		90		wh-mi	SN	UN	RF					
BHUA-04	146.57	146.62			V												
BHUA-04	146.64	146.75			hJ	x4	45		yl-mi	SN	PR-ST-UN	RF					
BHUA-04	146.66	146.91			hJ	x7	40		yl-mi	infilled	PR	RF					
BHUA-04	146.95				hJ		5		yl-mi	SN	PR	RF					
BHUA-04	146.96				hJ		75		yl-mi	SN	PR	RF					
BHUA-04	147.02				hJ		50		wh-mi	SN	PR	RF					
BHUA-04	147.05				J		10		br-mi	SN	UN-ST	RF					
BHUA-04	147.06				V												
BHUA-04	147.12				J		20		br-mi	SN	PR	RF					
BHUA-04	147.15	147.16			hJ	x2	70		yl-mi	SN	PR	RF					
BHUA-04	147.17				hJ		25		yl-mi	SN	PR	RF					
BHUA-04	147.19				hJ		80		yl-mi	SN	PR	RF					
BHUA-04	147.22	147.26			hJ	x2	40		yl-mi	SN	CU	RF					
BHUA-04	147.24				hJ	x2	45		yl-mi	SN	PR	RF					
BHUA-04	147.27				hJ		50		yl-mi	VN-CT	PR	RF					
BHUA-04	147.28	147.30			hJ	x2	30		yl-mi	SN	PR	RF					
BHUA-04	147.33				J		5		br-mi	SN	ST-IR	RF					
BHUA-04	147.36				J		70		rd	VN	IR	VR					
BHUA-04	147.37				hJ		90		wh	VN	IR						
BHUA-04	147.38	147.42			hJ	x4	35		yl	VN	PR						
BHUA-04	147.39				hJ		65		wh	VN	PR						
BHUA-04	147.40				hJ		85		yl	VN	PR						
BHUA-04	147.46				J		25		rd	VN	IR	VR					
BHUA-04	147.46	147.64			V				wh-yl	VN	IR						
BHUA-04	147.67				V		20		wh, pyrite		PR-IR						
BHUA-04	147.67	147.69			hJ		30		wh	VN	IR						
BHUA-04	147.67	147.85			hJ	x3	20		yl	VN	PR						
BHUA-04	147.69	147.72			hJ	x3	15		bk	VN	PR-UN-IR						
BHUA-04	147.74				J		5			CN	PR-CU	RF-SM					
BHUA-04	147.80	147.83			hJ	x7	80		wh	VN	PR-IR						
BHUA-04	147.84				hJ		75		wh	VN	IR						
BHUA-04	147.85				hJ		45		yl	VN	PR						
BHUA-04	147.86				hJ		50		bk	VN	PR						
BHUA-04	147.89	147.95			V				wh-yl	VN	IR						
BHUA-04	148.00	148.20			V				yl, rd	VN	IR-PR-CU	RF-SM					
BHUA-04	148.20				J		70			CN	UN	RF					
BHUA-04	148.21	148.28			hJ	x3	35		yl	VN	PR						
BHUA-04	148.29	148.52			V				yl, pk	VN	IR						
BHUA-04	148.55				hJ		5			CN	PR-UN						
BHUA-04	148.62	149.60			AZ				yl, wh,	VN	IR						
BHUA-04	148.90				J		20			CN	IR	VR-RF					
BHUA-04	149.21				J		5			VN	ST-UN	RF					
BHUA-04	149.79	149.90			V	x3	40		wh, pk mi		PR						
BHUA-04	149.94	150.00			SZ		5		pale gr and dark gy	CN-VN	IR	RF					
BHUA-04	149.96				J		5		wh	SN-VN	UN-ST	RF					
BHUA-04	150.28				J		25			CN	ST-UN	RF					
BHUA-04	150.35	150.39			J	x2	45		wh	SN	CU-UN	RF					
BHUA-04	150.36				J		30			CN	ST-IR	RF					
BHUA-04	150.58	150.70			SZ		25		wh mi	CT-VN	CU-UN						
BHUA-04	150.70	151.19			hJ	x10	45		bk, gy mi		UN						
BHUA-04	151.11				J		15			CN	UN-ST	RF					
BHUA-04	151.28	151.43			hJ	x7	50		bk, gy mi		CU						
BHUA-04	151.40	151.76			hJ	x6	40		bk, gy mi		CU-UN						
BHUA-04	151.43				J		45		wh mi	VN	CU-PR	RF					
BHUA-04	151.64	151.96			hJ	x9	45		bk gy mi		UN-CU						
BHUA-04	151.96				V		45		wh								
BHUA-04	152.00	152.97			hJ		70		bk, gy mi		UN						
BHUA-04	152.10	152.37			V		60		gn		UN-CU			5			
BHUA-04	152.14	152.39			V		45		gn		CU-UN			5			
BHUA-04	152.24	152.36			V		80		gn		UN			5			
BHUA-04	152.38	152.40			V	x2	25		gn		UN			5			
BHUA-04	152.42	152.95			hJ	x8	35		gn		UN						
BHUA-04	152.48	152.49			J		45		wh mi	VN	CU-PR	RF					
BHUA-04	152.51	152.70			J		80		wh	VN	UN	RF					
BHUA-04	152.60				J		60		wh, gn mi	SN-VN	PR	RF					
BHUA-04	152.66	152.74			J		55		wh	VN	UN-CU	RF					
BHUA-04	152.80				J		35		gn stains	SN	ST-UN	RF					
BHUA-04	152.94				V		30		greenish vein 5mm		UN			5			
BHUA-04	153.00	153.49			hJ		45										
BHUA-04	153.05				J		45			CN	ST-IR	RF					
BHUA-04	153.10	153.16			V		65		gn mi		ST-UN			5			

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	153.15	153.68			hJ		40		gn		UN-CU						
BHUA-04	153.16	153.25			V		50		gn	VN	UN			5			
BHUA-04	153.34	153.43			J		45			CN	UN	RF					
BHUA-04	153.59				J		45			CN	PR-CU	RF					
BHUA-04	153.74	154.42			hJ	x8	65		wh gn mi		UN						
BHUA-04	153.81	154.00			J		75			VN	UN-CU	RF					
BHUA-04	153.89	154.14			V		75		pk		UN-CU			5			
BHUA-04	154.00	154.13			V		85		wh-gn mi		UN-PR			5			
BHUA-04	154.16	154.57			hJ	x5			wh/gn mi		UN						
BHUA-04	154.32				J		45			CN	PR-UN	RF-SM					
BHUA-04	154.55	155.12			hJ	x9	45		wh/gn mi		UN						
BHUA-04	154.77	155.08			V	x6	70		wh/gn mi		UN-CU			5			
BHUA-04	154.83	154.90			J		50		wh/pk	VN	UN-CU	RF					
BHUA-04	155.24				J		35			CN	ST-UN	RF					
BHUA-04	155.25	156.05			hJ	x8	65		wh-gn mi		UN						
BHUA-04	155.39	156.02			hJ	x5	45		wh-gn mi		UN						
BHUA-04	155.48				V		5		pk					5			
BHUA-04	155.95				J		25			CN	PR	RF					
BHUA-04	156.06				V		5		contact between mafic and granitic rock		PR-CU						
BHUA-04	156.22				J		45		wh	SN	CU-PR	RF					
BHUA-04	156.56	156.73			V		45		wh/gn mi		PR-CU			5			
BHUA-04	156.83	156.93			V		45		wh/gn mi		CU			5			
BHUA-04	156.92	156.96			V	x2	30		wh/gn mi		CU-PR						
BHUA-04	157.28				V		20		wh/gn mi		CU-UN			5			
BHUA-04	157.37	157.45			V		45		Qz mineralised with Py/Cpy		PR			7			
BHUA-04	157.46	157.67			V		45		wh/rd mi		PR			5			
BHUA-04	157.47	157.94			hJ	x8	45		wh/gn		UN-CU						
BHUA-04	157.60				J		25			CN	CU-UN	RF					
BHUA-04	157.65				J		15			CN	CU-UN	RF					
BHUA-04	158.00	158.49			V		50		wh		CU-UN			5			
BHUA-04	158.11	158.30			V		70		wh/gn mi		CU-UN			5			
BHUA-04	158.21	159.75			hJ	x9	70		wh/gn mi		UN						
BHUA-04	158.29	158.51			V		45		wh		CU			5			
BHUA-04	158.38	159.61			hJ	x11	75		wh/gn mi		UN						
BHUA-04	158.59	159.51			V		85		wh/pk mi		IR-UN			5			
BHUA-04	159.33	159.58			V		80		wh/pk mi		IR-UN			5			
BHUA-04	159.84	159.97			V		75		Qtz mi		UN-CU			10			
BHUA-04	160.00	160.27			V		85		wh-gn mi		IR			5			
BHUA-04	160.28	160.79			V	x10	40		wh-pk mi		CU-PR			5			
BHUA-04	161.07	161.12			V		45		Qtz mi		CU-PR			5			
BHUA-04	161.09	161.18			V		45		wh		UN			5			
BHUA-04	161.22				J		25			CN	UN-IR	RF					
BHUA-04	161.23	161.67			hJ	x8	45		wh-gn mi								
BHUA-04	161.62	161.90			V		90		wh-gn mi		IR-UN			5			
BHUA-04	161.73	161.95			V		65		wh-gn mi		UN-IR			5			
BHUA-04	162.00	162.11			V		80		wh-gn mi		UN-IR			5			
BHUA-04	162.07	162.15			V		50		wh-gn mi		CU			5			
BHUA-04	162.15	162.81			V		75		wh-gn mi		UN-IR			5			
BHUA-04	162.18	162.81			hJ	x8	40		wh-gn mi		UN						
BHUA-04	162.22				J		5			CN	ST-IR	RF-SM					
BHUA-04	162.50				J		5			CN	UN-IR	RF					
BHUA-04	162.90	162.92			V				wh	VN	UN-IR						
BHUA-04	162.91	162.96			hJ		50		wh	VN							
BHUA-04	163.01	163.61			hJ				wh/gn mi	VN	UN-IR						
BHUA-04	163.21				V		40		wh/gn mi	VN	CU-UN						
BHUA-04	163.53				J		20			CN	IR-ST	RF					
BHUA-04	163.64	163.88			V		40		wh/gn mi	VN	UN-IR			5			
BHUA-04	163.93	163.97			V		30		wh/gn mi	VN	IR-UN			5			
BHUA-04	164.06	164.42			V		45		wh/gn mi	VN	CU			5			
BHUA-04	164.34	164.84			hJ	x10	80		wh/gn mi	VN	IR-UN						
BHUA-04	164.40	164.98			hJ	x8	45		wh/gn mi	VN	IR-UN						
BHUA-04	165.02	165.15			V	x5	50		wh/gn mi	VN	IR-UN						
BHUA-04	165.18	165.30			V		80		wh mi	VN	IR-ST			5			
BHUA-04	165.36				V		35		wh/gn mi	VN	CU-PR			7			
BHUA-04	165.40	165.69			hJ	x15	40		wh/gn mi	VN	IR-UN						
BHUA-04	165.59				J		50			CN	CU-UN	RF					
BHUA-04	165.79	165.87			V		35		wh-gn mi	VN	IR-UN						
BHUA-04	165.82	165.90			hJ	x6	40		wh-gn mi	VN	IR-UN						
BHUA-04	165.87				V		45		wh-gn mi	VN	UN-IR			6			
BHUA-04	166.02	166.21			hJ	x8	45		wh-gn mi	VN	IR-UN						
BHUA-04	166.18				J		10			CN	IR-ST	RF-SM					
BHUA-04	166.20	166.74			V	x3	45		Qz vein <5mm x3	VN	UN-IR			5			
BHUA-04	166.25	166.67			V		80		wh gn mi	VN	IR-UN						
BHUA-04	166.60	167.08			hJ		45		wh-gn mi	VN	IR-UN						
BHUA-04	166.68				J		5			CN	IR-ST	RF					
BHUA-04	166.92	166.98			hJ	x5	80		wh -gn mi	VN	IR-UN						
BHUA-04	166.95	167.14			V		85		wh -gn mi	VN	IR-UN			6			
BHUA-04	167.17	167.37			V		85		wh -gn mi	VN	IR-UN			5			
BHUA-04	167.35	167.48			V		55		wh -gn mi	VN	UN-IR			7			

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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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
BHUA-04	167.49				J		10			CN	IR-ST	RF					
BHUA-04	167.53	167.62			V		45		wh-gn mi	VN	IR-UN			5			
BHUA-04	167.61	168.70			hJ	x15	50		wh-gn mi	VN	IR-UN						
BHUA-04	167.64	167.73			hJ	x12	80		wh-gn mi	VN	IR-UN						
BHUA-04	168.00	168.08			V		50		wh-gn mi	VN	UN-IR			6			
BHUA-04	168.07	168.40			V		80		wh-gn mi	VN	IR-UN			5			
BHUA-04	168.10				J		15			CN	IR-ST	RF					
BHUA-04	168.79	169.10			hJ	x11	45		wh-gn mi	VN	UN-IR						
BHUA-04	168.81	168.92			V	x4	55		wh-gn mi	VN	IR-UN						
BHUA-04	169.15	169.42			V	x5	45		wh-gn mi	VN	UN-IR			5			
BHUA-04	169.31	169.38			hJ	x8	10		wh-gn mi	VN	UN-IR						
BHUA-04	169.31	169.47			hJ	x12	45		wh-gn mi	VN	IR-UN						
BHUA-04	169.61	169.92			hJ	x7	5		wh-gn mi	VN	IR-UN						
BHUA-04	169.70	169.98			hJ	x12	30		wh-gn mi	VN	IR-UN						
BHUA-04	169.75				J		5			CN	ST-IR	RF					
BHUA-04	170.23				J		15			CN	ST-IR	RF-SM					
BHUA-04	170.28	170.36			V		45		wh-gy mi	VN	UN-CU			8			
BHUA-04	170.41	170.96			hJ	x9	40		wh-gy mi	VN	UN-IR						
BHUA-04	170.49	170.97			hJ	x9	40		wh-gy mi	VN	IR-UN						
BHUA-04	170.76				J		20			CN	ST-IR	RF					
BHUA-04	170.82	170.95			V	x4	35		wh-gy mi	VN	UN-IR			5			
BHUA-04	171.02	171.80			hJ	x12	45		wh-gy mi	VN	IR-UN			5			
BHUA-04	171.03	171.67			V	x6	25		wh-gy mi	VN	UN-IR			5			
BHUA-04	171.30				J		30			CN	ST-IR	SM					
BHUA-04	171.42	171.50			V		42		wh-gy mi	VN	IR-UN			5			
BHUA-04	171.51	171.64			V	x3	40		wh-gy mi	VN	UN-IR			5			
BHUA-04	171.86	171.89			V		40		wh-gy mi	VN	UN-IR			5			
BHUA-04	172.01	172.64			hJ	x15	35		wh-gy mi	VN	UN-IR						
BHUA-04	172.02	172.22			V	x2	45		wh-gy mi	VN	UN-IR			5			
BHUA-04	172.11				J		25			CN	UN-ST	RF					
BHUA-04	172.26	172.98			hJ	x20	15		wh-gn mi	VN	UN-IR						
BHUA-04	172.28	172.80			V	x4	25		wh-gn mi	VN	UN-CU			5			
BHUA-04	172.56	172.65			J	x2	10			CN	CU-UN	SM-RF					
BHUA-04	172.69	172.72			V		30		wh-gn mi	VN	ST			7			
BHUA-04	172.81	172.86			V		45		wh-gn mi	VN	PR-CU			6			
BHUA-04	173.09	173.34			V	x4	20		wh-gn mi	VN	UN-IR			5			
BHUA-04	173.11	173.21			hJ	x9	45		wh-gn mi	VN	UN-IR						
BHUA-04	173.37				J		5			CN	IR-ST	RF					
BHUA-04	173.52	173.66			V		50		bk	VN	CU-UN						
BHUA-04	173.68				J		15			CN	ST-IR	RF					
BHUA-04	173.74	174.96			hJ	x9	25		wh-gn mi	VN	UN-IR						
BHUA-04	174.03	174.79			hJ	x15	20		wh-gn mi	VN	UN-IR						
BHUA-04	174.05	174.09			V		40			VN	CU-PR			5			
BHUA-04	174.05	174.49			hJ	x12	5		wh-gn mi	VN	UN-IR						
BHUA-04	174.11				V		5			VN	CU-PR			5			
BHUA-04	174.15	174.20			V		45			VN	CU-PR			5			
BHUA-04	174.15	174.24			V		55			VN	CU-PR			6			
BHUA-04	174.24				J		30			CN	IR-UN	RF					
BHUA-04	174.43	174.57			V	x2	35		wh-gn mi	VN	UN-IR			5			
BHUA-04	174.61	174.72			V	x2	20		wh-gn mi	VN	CU-PR						
BHUA-04	174.82	175.17			V	x8	45		wh-gn mi	VN	UN-IR			5			
BHUA-04	175.18	175.33			V	x9	15		wh-gn mi	VN	UN			5			
BHUA-04	175.39	175.77			V	x9	25		wh-gn mi	VN	UN-CU			5			
BHUA-04	175.54	175.58			V	x4	30		wh-gn mi	VN	UN-IR			10			
BHUA-04	175.77	176.00			V	x6	20		wh-gn mi	VN	UN-CU			5			
BHUA-04	175.96	175.99			V		25		wh-gn mi	VN	UN-CU			5			
BHUA-04	176.05	176.94			V	x9	15		wh-gn mi	VN	UN-CU			5			
BHUA-04	176.13	179.96			AZ		45			VN	UN-IR-ST						
BHUA-04	176.36	176.97			V	x7	5		wh-gn mi					5			
BHUA-04	176.43				J		15			CN	UN-CU	RF					
BHUA-04	177.03	177.32			V	x6	30		wh-gn mi	VN	UN-IR			5			
BHUA-04	177.28				J		45			VN	CU-PR	RF					
BHUA-04	177.41	177.96			V	x7	5		wh-gn mi	VN	PR-UN			5			
BHUA-04	178.02	178.70			V	x15	10		wh-gn mi	VN	UN-IR			5			
BHUA-04	178.08	178.71			V	x10	40		wh-gn mi	VN	UN-IR			5			
BHUA-04	178.30				J		5			CN	ST-IR	VR-RF					
BHUA-04	178.72	179.96			hJ	x16	55		wh-gn mi	VN	UN-IR						
BHUA-04	179.17				J		10			CN		RF					
BHUA-04	179.29	179.34			V		45		dark gn	VN	PR-CU			5			
BHUA-04	180.00	180.84			V	x13	50		bk vein	VN	UN-IR			5			
BHUA-04	180.28				J		40			CN	UN-ST	RF					
BHUA-04	180.82	180.95			V	x2	50		wh-gn mi	VN	UN-CU						
BHUA-04	180.84	180.95			hJ	x4	10		wh-gn mi	VN	UN-IR			5			
BHUA-04	181.06	181.15			hJ	x10	45		wh-gn mi	VN	CU-PR						
BHUA-04	181.57	181.92			hJ	x15	40		wh-gn mi	VN	UN-ST						
BHUA-04	181.64	181.68			V		40		gn mi	VN	UN-IR			6			
BHUA-04	181.81	181.86			V				gn mi	VN	IR-UN			20			
BHUA-04	182.07	182.92			V		45		wh-gn mi	VN	UN-IR			5			
BHUA-04	182.37	182.39			V		35		wh-gn mi	VN	UN-CU			15			

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	182.39	182.54			V		60		wh-gn mi	VN	PR-UN			5			
BHUA-04	182.40				V		10		wh-gn mi	VN	UN-CU			6			
BHUA-04	182.51	182.57			V		25		wh-gn mi	VN	CU-PR			10			
BHUA-04	182.60	182.98			hJ	x12	5		wh-gn mi	VN	UN-IR						
BHUA-04	183.02	183.60			V	x7	25		wh-gn mi	VN	UN-IR			5			
BHUA-04	183.06	183.44			V		45		wh-gn mi	VN	UN-IR			5			
BHUA-04	183.45	183.64			hJ	x15	15		wh-gn mi	VN	UN-IR						
BHUA-04	183.74	184.16			hJ	x5	65		wh-gn mi								
BHUA-04	184.20	184.74			V	x6	50		wh-gn mi	VN	UN-CU			5			
BHUA-04	184.21	184.33			V		55		wh	VN	PR-CU			5			
BHUA-04	184.38	184.49			V		50		wh-gn mi	VN	UN			6			
BHUA-04	184.58				J		45			CN	UN-ST	RF					
BHUA-04	184.62	184.98			hJ	x11	40		wh-gn mi	VN	UN-IR						
BHUA-04	184.81				J		25			CN	UN-ST	RF					
BHUA-04	184.93	185.70			AZ		40			VN	IR-UN						
BHUA-04	184.94				J		40			CN	UN	RF					
BHUA-04	185.05	185.26			V	x7	45		wh-gn mi	VN	UN-IR			5			
BHUA-04	185.16	185.28			V		85		wh-gn mi	VN	UN-IR			5			
BHUA-04	185.17	185.70			hJ	x9	75		wh-gn mi	VN	ST-UN						
BHUA-04	185.22	185.41			V		60		wh-gn mi	VN	UN-IR			8			
BHUA-04	185.32	185.41			V	x6	25		wh-gn mi	VN	UN-IR			5			
BHUA-04	185.45				J		50			VN	PR-CU	SM					
BHUA-04	185.52	185.62			J		45			VN-SN	CU-PR	RF					
BHUA-04	185.56				J		5			CN	ST-IR	RF					
BHUA-04	185.60	185.67			V	x2	40		wh-gn mi	VN	UN-IR			10			
BHUA-04	185.74	185.82			V	x3	25		wh-gn mi	VN	UN-IR			5			
BHUA-04	185.83	185.96			J		70			CN	UN-ST	RF					
BHUA-04	185.83	186.12			V		70		wh	VN	UN-IR			5			
BHUA-04	186.05	186.46			V		80		wh-gn mi	VN	UN-ST			5			
BHUA-04	186.10	186.80			hJ	x9	40		wh-gn mi	VN	IR-UN						
BHUA-04	186.31	186.46			V		50		wh	VN	UN			5			
BHUA-04	186.49	186.76			V	x7	75		wh-gn mi	VN	UN-ST			5			
BHUA-04	186.70				J		15			CN	ST-IR	VR					
BHUA-04	186.75	186.84			V		55		dark gn	VN	UN-CU			5			
BHUA-04	186.93	187.23			V		15		wh-gn mi	VN	UN-IR			5			
BHUA-04	187.02	187.27			hJ	x7			wh-gn mi	VN	UN-IR			5			
BHUA-04	187.09	187.72			V	x7	40		wh-gn mi	VN	UN			5			
BHUA-04	187.11	187.21			V	x3	45		wh-gn mi	VN	UN-IR			5			
BHUA-04	187.35	187.53			J		75			CN	UN-ST	RF					
BHUA-04	187.35	187.94			V	x8	80		wh-gn mi	VN				5			
BHUA-04	187.42				J		25			CN	UN-ST	RF					
BHUA-04	187.42	187.68			V		80		wh-gn mi	VN				5			
BHUA-04	187.76				J		15			CN	CU-UN	RF					
BHUA-04	187.76	188.03			V		75		pk wh mi	VN	UN-CU			5			
BHUA-04	187.86	187.97			J	x2	50			CN	UN-ST	RF					
BHUA-04	187.98	189.90			hJ		0		bl-mi	SN							
BHUA-04	188.00	188.24			V	x5	45		dark gn mi	VN	CU-UN			5			
BHUA-04	188.05				J		35			CN	UN-ST	RF					
BHUA-04	188.18	188.23			J		45			CN	CU	SM					
BHUA-04	188.23	188.35			J		55			CN	UN	RF					
BHUA-04	188.23	188.44			V	x4	60		wh-gn mi	VN	UN-IR			5			
BHUA-04	188.39	188.86			V		80		wh-gn mi	VN	UN-ST			5			
BHUA-04	188.59	188.77			hJ	x13	55		wh-gn mi	VN	CU-UN						
BHUA-04	188.79	189.00			V		85		dark gn	VN	UN-IR			5			
BHUA-04	188.96				J		40			CN	UN-ST	RF					
BHUA-04	189.00	189.10			hJ	x3	30		bl mi	SN	PR	RF					
BHUA-04	189.00	190.97			hJ		0		bl, yl-mi	SN							
BHUA-04	189.18				hJ		20		gn-mi	SN	PR	RF					
BHUA-04	189.21				hJ	x4	60		yl mi	SN	PR	RF					
BHUA-04	189.22	189.46			hJ	x4	30		bl mi	SN	PR	RF					
BHUA-04	189.28	189.40			hJ	x2	60		bl mi	SN	PR	RF					
BHUA-04	189.49	189.53			hJ	x2	5		bl yl mi	SN	PR	RF					
BHUA-04	189.63	189.83			hJ	x9	20		bl yl mi	SN	PR	RF					
BHUA-04	189.76				hJ		80		wh-mi	SN	PR	SM					
BHUA-04	190.01	190.15			hJ	x4	20		bl mi	SN	PR	RF					
BHUA-04	190.21	190.32			hJ	x4	35		yl mi	SN	PR	RF					
BHUA-04	190.40				CS		10		gn mi	SN	PR	RF					
BHUA-04	190.45				CS	x2	75		gn mi	SN	UN	RF					
BHUA-04	190.50	190.54			hJ		0		bl-mi	SN							
BHUA-04	190.59	190.64			hJ	x2	5		yl mi	SN	PR	RF					
BHUA-04	190.61	190.64			hJ	x2	45		bl mi	SN	PR	RF					
BHUA-04	190.71				hJ		40		bl-mi	SN	PR	RF					
BHUA-04	190.76				hJ		70		bl-mi	SN	UN	RF					
BHUA-04	190.77				hJ	x3	70		x3, bl,gr-mi	SN	PR	RF					
BHUA-04	190.82	190.86			CS	x2	30		x2, bl-mi	SN	PR	SM					
BHUA-04	190.86				hJ		30		qtz infill	VN	PR	SM					
BHUA-04	190.90				hJ		70		bl-mi	SN	PR	RF					
BHUA-04	191.07				hJ		5		yl-mi	SN	UN	SM					
BHUA-04	191.11				hJ		60		bl-mi	SN	UN	RF					

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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
BHUA-04	191.16				hJ		40		bl-mi	SN	ST	RF					
BHUA-04	191.20				hJ		10		bl-mi	SN	PR	SM					
BHUA-04	191.23				hJ	x2	55		bl-mi	SN	PR	RF					
BHUA-04	191.26	191.33			hJ	x3	70		bl-mi	SN	PR	RF					
BHUA-04	191.29				hJ		20		yl-mi	SN	PR	RF					
BHUA-04	191.40				J		30			CN	ST	RF					
BHUA-04	191.45	191.60			V		0		bl-mi	SN							
BHUA-04	191.70				hJ		60		gr-mi	SN	PR	RF					
BHUA-04	191.80	191.86			hJ	x2	60		gn-mi	SN	PR	RF					
BHUA-04	191.89	191.92			hJ	x2	70		bl-mi	SN	PR	RF					
BHUA-04	191.97	192.00			CS		0										
BHUA-04	192.03				hJ	x2	80		bl-mi	SN	PR	RF					
BHUA-04	192.08				J		80		pk-mi	VN	UN	RF					
BHUA-04	192.15				hJ		80		bl-mi	SN	UN	RF					
BHUA-04	192.23				hJ		40		bl-mi	SN	PR	RF					
BHUA-04	192.29	192.34			V		30			SN	PR	RF					
BHUA-04	192.33				hJ		80		wh-mi	VN	UN	SM					
BHUA-04	192.33	192.53			hJ		0		yl-mi	SN							
BHUA-04	192.44				CS		50		gr-mi	SN	PR	RF					
BHUA-04	192.44	192.53			hJ	x3	55		gn-mi	SN	PR	RF					
BHUA-04	192.57				J		30			CN	PR	RF					
BHUA-04	192.67				CS		60		yl-mi	SN	PR	RF					
BHUA-04	192.73				hJ	x2	90		wh, bl mi	infilled	UN	RF					
BHUA-04	192.75	193.00			hJ		0		yl-mi	SN							
BHUA-04	192.85	192.91			hJ	x4	65		gn-mi	SN	PR	RF					
BHUA-04	192.87				J		5			CN	UN	RF					
BHUA-04	193.06	193.18			hJ	x5	60		yl-mi	SN	PR	SM					
BHUA-04	193.17				CS		80		wh-mi	CT	UN	SM					
BHUA-04	193.34				hJ		80		wh-mi	SN	CU	RF					
BHUA-04	193.40	193.58			hJ	x6	60		yl-mi	SN	PR	SM					
BHUA-04	193.58				J		60			CN	UN	RF					
BHUA-04	193.63	194.00			hJ	x12	40		yl-mi	SN	PR	SM					
BHUA-04	194.02				hJ	x2	55		yl-mi	SN	PR	RF					
BHUA-04	194.07	194.19			hJ	x3	70		yl-mi	SN	PR	SM					
BHUA-04	194.27				J		20			CN	PR	RF					
BHUA-04	194.31				hJ		5		yl-mi	SN	UN	RF					
BHUA-04	194.36				hJ		80		yl-mi	SN	UN	SM					
BHUA-04	194.39	194.41			hJ	x3	30		yl-mi	SN	PR	RF					
BHUA-04	194.43	194.47			hJ	x5	30		yl-mi	SN	PR	RF					
BHUA-04	194.56	194.86			hJ	x3	20		yl-mi	SN	PR	RF					
BHUA-04	194.94				J		10			CN	PR	RF					
BHUA-04	195.07				hJ		60		yl-mi	SN	PR	SM					
BHUA-04	195.10	195.18			hJ	x6	20		yl-mi	SN	PR	RF					
BHUA-04	195.13				hJ		80		yl-mi	SN	CU	RF					
BHUA-04	195.25				J		10			CN	PR	RF					
BHUA-04	195.57	195.76			hJ	x7	30		yl-mi	SN	PR	RF					
BHUA-04	196.03	196.97			hJ	x15	45		yl-mi	SN	PR	RF					
BHUA-04	196.05	196.15			J	x2	55		yl-mi	CN	UN	RF					
BHUA-04	196.47	196.50			hJ	x3	5		yl-mi	SN	PR	SM					
BHUA-04	196.71				J		30			CN	PR	RF					
BHUA-04	196.80				J		40		yl-mi	VN	UN	RF					
BHUA-04	196.90				J		40		yl-mi	SN	UN	RF					
BHUA-04	197.02				hJ		10		yl-mi	SN	PR	SM					
BHUA-04	197.07				hJ		40		yl-mi	SN	PR	SM					
BHUA-04	197.22	197.23			hJ	x2	70		yl-mi	SN	PR	RF					
BHUA-04	197.23	197.24			hJ	x2	20		yl-mi	SN	PR	RF					
BHUA-04	197.27				hJ		80		wh-mi	SN	PR	RF					
BHUA-04	197.29				hJ		65		yl-mi	SN	UN	RF					
BHUA-04	197.35				CS		60		yl-mi	SN	PR	RF					
BHUA-04	197.43				hJ		5		wh-mi	SN	PR	RF					
BHUA-04	197.53	197.68			hJ	x3	20		yl-mi	SN	PR	SM					
BHUA-04	197.65				J		30			CN	PR	RF					
BHUA-04	197.88	197.93			hJ	x5	80		yl-mi	SN	PR	RF					
BHUA-04	197.97				hJ		30		yl-mi	SN	PR	RF					
BHUA-04	198.09	198.80			hJ	x10	50		yl-mi	SN	PR	RF					
BHUA-04	198.33				hJ		9.99		yl-mi	SN	PR	SM					
BHUA-04	198.77				J		15			CN	PR	RF					
BHUA-04	198.82	198.95			hJ	x5	30		yl-mi	CN	PR	RF					
BHUA-04	198.88				J		5			CN	PR	RF					
BHUA-04	199.04	199.10			V		0		yl-mi	SN							
BHUA-04	199.12	199.51			hJ	x5	25		yl-mi	SN	PR	RF					
BHUA-04	199.41				hJ	x4	90		yl-mi	SN	CU	RF					
BHUA-04	199.73	200.65			hJ	x3	50		yl-mi	SN	PR	RF					
BHUA-04	199.84				CS		15		yl-mi	CN	PR	RF					
BHUA-04	199.86	199.97			hJ	x3	70		yl-mi	SN	PR	RF					
BHUA-04	199.87				hJ	x2	80		yl-mi	SN	PR	RF					
BHUA-04	200.02	200.37			hJ	x7	50		yl-mi	SN	PR	RF					
BHUA-04	200.12				J		5			CN	UN	SM					
BHUA-04	200.50				J		10			CN	PR	RF					

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	200.97				hJ		30		yl-mi	SN	PR	RF					
BHUA-04	201.05				J		50			CN	PR	RF					
BHUA-04	201.12				hJ		50		yl-mi	SN	PR	RF					
BHUA-04	201.12	201.20			hJ	x5	70		yl-mi	SN	PR	RF					
BHUA-04	201.23				hJ		40		yl-mi	SN	PR	RF					
BHUA-04	201.25				hJ		45		yl-mi	SN	PR	SM					
BHUA-04	201.33				J		10			CN	PR	RF					
BHUA-04	201.39				hJ		45		yl-mi	SN	PR	RF					
BHUA-04	201.42				hJ		50		yl-mi	SN	CU	RF					
BHUA-04	201.55				J		45			CN	PR	RF					
BHUA-04	201.62	201.65			hJ		60		yl-mi	SN	PR	SM					
BHUA-04	201.72				hJ		40		yl-mi	SN	PR	SM					
BHUA-04	201.78				J		30			CN	UN	RF					
BHUA-04	201.81				hJ		50		yl-mi	SN	PR	RF					
BHUA-04	201.85				J		5			CN	PR	RF					
BHUA-04	201.87				hJ		15		yl-mi	SN	PR	RF					
BHUA-04	202.04	202.05			hJ	x2	30		yl-mi	SN	PR	RF					
BHUA-04	202.16				hJ		70		yl-mi	SN	PR	RF					
BHUA-04	202.18	202.33			V		0		yl-mi	SN	PR	RF					
BHUA-04	202.62				hJ		60		wh-mi	CN	PR	RF					
BHUA-04	203.25	203.35			hJ	x2	20		yl-mi	SN	PR	RF					
BHUA-04	203.40	203.90			hJ	x9	15		yl-mi	SN	PR	RF					
BHUA-04	204.00	204.95			hJ	x3	20		gn-mi	SN	PR	RF					
BHUA-04	204.06				J		5			CN	UN	RF					
BHUA-04	204.06	204.15			V		0		yl-mi	SN	UN	RF					
BHUA-04	204.44				hJ		30		yl-mi	SN	PR	RF					
BHUA-04	204.51	204.70			hJ		0		yl-mi	SN	PR	RF					
BHUA-04	204.75	204.84			J		5			CN	PR	RF					
BHUA-04	204.78	204.81			hJ	x3	80		yl-mi	SN	PR	RF					
BHUA-04	204.78	204.85			hJ	x2	90		yl-mi	SN	PR	RF					
BHUA-04	205.00	205.03			hJ		0		yl-mi	SN							
BHUA-04	205.06	205.20			hJ	x5	45		yl-mi	SN	PR	RF					
BHUA-04	205.21				J		45			CN	CU	RF					
BHUA-04	205.31				hJ		20		gn-mi	SN	PR	RF					
BHUA-04	205.31	205.37			hJ	x3	80		gn-mi	SN	CU	RF					
BHUA-04	205.37	205.42			hJ	x3	50		gn-mi	SN	PR	RF					
BHUA-04	205.46	205.55			hJ	x3	80		wh-mi	SN	CU	RF					
BHUA-04	205.53	205.61			hJ	x2	15		wh-mi	SN	PR	RF					
BHUA-04	205.60				hJ		75		wh-mi	SN	UN	RF					
BHUA-04	205.68	205.71			hJ	x2	45		yl-mi	SN	PR	SM					
BHUA-04	205.72	205.74			hJ	x2	15		yl-mi	SN	PR	SM					
BHUA-04	205.88	205.93			hJ	x2	20		yl-mi	SN	PR	SM					
BHUA-04	205.95				hJ		40			CN	PR	SM					
BHUA-04	206.02				hJ		40		yl-mi	SN	PR	SM					
BHUA-04	206.08	206.17			hJ	x7	65		yl-mi	SN	PR	SM					
BHUA-04	206.15				hJ		35		yl-mi	SN	PR	SM					
BHUA-04	206.21				hJ		15		yl-mi	SN	PR	SM					
BHUA-04	206.22				hJ		40		yl-mi	SN	CU	SM					
BHUA-04	206.29	206.31			hJ		0		yl-mi	SN	PR	SM					
BHUA-04	206.31				J		15			CN	PR	SM					
BHUA-04	206.40	206.51			V		0		yl-mi	SN	PR	SM					
BHUA-04	206.64	206.69			V	x2	15		yl-mi	SN	PR	SM					
BHUA-04	206.72	206.85			J	x2	10			CN	PR	SM					
BHUA-04	206.83				hJ		60		yl-mi	SN	UN	RF					
BHUA-04	206.86				hJ		60		yl-mi	SN	PR	SM					
BHUA-04	206.95				hJ		45		yl-mi	SN	PR	SM					
BHUA-04	206.98				hJ		70		yl-mi	SN	PR	SM					
BHUA-04	207.00	207.09			hJ		0		yl-mi	SN	PR	RF					
BHUA-04	207.09				J		5			CN	UN	RF					
BHUA-04	207.14				J		70		yl-mi	SN	UN	RF					
BHUA-04	207.16				J		90		yl-mi	SN	CU	RF					
BHUA-04	207.17				hJ		25		yl-mi	SN	PR	RF					
BHUA-04	207.24				hJ	x2	85		yl-mi	SN	PR	RF					
BHUA-04	207.25				hJ		25		yl-mi	SN	PR	RF					
BHUA-04	207.29				J		25			CN	UN	RF					
BHUA-04	207.29	207.40			V		0		yl-mi	SN	PR	RF					
BHUA-04	207.41				J		20			CN	PR	RF					
BHUA-04	207.41	207.77			hJ		0		yl, wh, gr-mi	SN	PR	RF					
BHUA-04	207.45	207.70			hJ	x13	30		yl, wh, gr-mi	SN	PR	RF					
BHUA-04	207.50				J		20			CN	UN	RF					
BHUA-04	207.71	207.77			J		65		gr-mi	SN	UN	RF					
BHUA-04	207.81				hJ		30		yl-mi	SN	PR	SM					
BHUA-04	207.85				hJ		60		yl-mi	SN	PR	SM					
BHUA-04	207.92				J		5			CN	CU	RF					
BHUA-04	207.96				hJ	x3	90		yl-mi	SN	UN	RF					
BHUA-04	208.06				J		70			CN	UN	RF					
BHUA-04	208.09				J		50		yl-mi	CN	PR	RF					
BHUA-04	208.10				J		60		yl-mi	CN	CU	RF					
BHUA-04	208.14	208.34			hJ	x6	45		yl-mi	SN	PR	RF					

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	208.41				hJ		80		bl-mi	SN	PR	RF					
BHUA-04	208.56				hJ		50		yl-mi	SN	PR	RF					
BHUA-04	208.64				J		10			CN	CU	RF					
BHUA-04	208.66				hJ	x2	30		wh-mi	SN	UN	SM					
BHUA-04	208.67				hJ		80		wh-mi	SN	UN	RF					
BHUA-04	208.72	208.79			hJ	x3	35		yl-mi	SN	PR	SM					
BHUA-04	208.77	208.80			hJ	x2	30		wh-mi	SN	PR	SM					
BHUA-04	208.82				hJ		85		wh-mi	SN	UN	RF					
BHUA-04	208.88				hJ		40		yl-mi	SN	PR	RF					
BHUA-04	208.94				hJ		80		yl-mi	SN	PR	RF					
BHUA-04	209.07	209.25			hJ		45		yl-mi	SN	PR	RF					
BHUA-04	209.30				hJ		25		yl-mi	SN	PR	RF					
BHUA-04	209.43				hJ	x2	80		yl-mi	SN	PR	RF					
BHUA-04	209.46				hJ		50		yl-mi	SN	PR	RF					
BHUA-04	209.56				hJ	x2	85		yl-mi	SN	CU-UN	RF					
BHUA-04	209.81				hJ		50		yl	SN	PR	RF					
BHUA-04	209.84	209.94			hJ	x2	30		yl-mi	SN	PR	RF					
BHUA-04	210.05				hJ		70		yl-mi	SN	PR	RF					
BHUA-04	210.12				J		15			CN	UN	RF					
BHUA-04	210.16				hJ		85		yl-mi	SN	UN	RF					
BHUA-04	210.20				hJ		5		yl-mi	SN	UN	RF					
BHUA-04	210.35				J		55		gr-mi	SN	PR-ST	RF					
BHUA-04	210.37				hJ	x4	20		yl-mi	SN	PR	RF					
BHUA-04	210.42				hJ		40		yl-mi	SN	PR	RF					
BHUA-04	210.51				hJ		30		yl-mi	SN	PR	SM					
BHUA-04	210.61				hJ		50		yl-mi	SN	PR	RF					
BHUA-04	210.66				J		40			CN	PR	RF					
BHUA-04	210.67	210.85			V				yl-mi	SN							
BHUA-04	210.90				J		5			CN	UN	RF					
BHUA-04	211.04				hJ		80		yl-mi	SN	UN	SM					
BHUA-04	211.13	211.34			hJ	x13	40		yl-mi	SN	PR	RF					
BHUA-04	211.38	211.50			V					SN							
BHUA-04	211.39	211.41			hJ	x4	20		yl-mi	SN	PR	SM					
BHUA-04	211.60				hJ				yl-mi	SN	UN	RF					
BHUA-04	211.62				hJ		30		yl-mi	SN	PR	RF					
BHUA-04	211.66				hJ		90		yl-mi	SN	PR	RF					
BHUA-04	211.77				J		10			CN	PR	RF					
BHUA-04	211.89				hJ		80		yl-mi	SN	PR	SM					
BHUA-04	211.95	212.00			hJ				yl-mi	SN							
BHUA-04	212.05	212.15			V				yl-mi	SN							
BHUA-04	212.10				J		5			CN	UN	RF					
BHUA-04	212.18				hJ		35		wh-mi	SN	PR	SM					
BHUA-04	212.23	212.27			CS												
BHUA-04	212.42	212.48			hJ	x4	20		yl-mi	SN	PR	SM					
BHUA-04	212.50				hJ	x4	65		yl-mi	SN	PR	RF					
BHUA-04	212.71	212.73			hJ	x2	10		wh-mi	SN	PR	RF					
BHUA-04	212.76	212.80			hJ	x5	40		gn-mi	SN	PR	RF					
BHUA-04	212.83				J		28			CN	CU	RF					
BHUA-04	212.86	212.89			hJ	x4	25		wh--mi	SN	PR	RF					
BHUA-04	212.91	212.95			hJ	x3	60		yl-mi	SN	PR	RF					
BHUA-04	213.01	213.19			V	x2	45		wh-gn mi	VN	UN-IR			5			
BHUA-04	213.10				J		30		dark rd and gy mi	CN-VN	PR	RF-SM					
BHUA-04	213.14				J		30		dark rd and gy mi	CN-VN	PR	RF-SM					
BHUA-04	213.25	213.94			hJ	x10	45		wh-gn mi	VN	UN-IR						
BHUA-04	213.36	213.65			V		80		wh-gn mi	CN	UN	RF		5			
BHUA-04	213.40	213.75			V	x10	40		wh-gn mi	VN	UN-IR						
BHUA-04	214.03	214.38			V	x7	45		wh-gn mi					5			
BHUA-04	214.05	214.72			hJ	x6	50		wh-gn mi	VN	UN						
BHUA-04	214.38	214.44			V	x2	50		wh-gn mi	VN	UN			5			
BHUA-04	214.74				J		45			CN	PR-CU	SM					
BHUA-04	215.05	215.85			V	x6	25		bk mi	VN	UN-IR			5			
BHUA-04	215.13				J		20			CN	UN	RF					
BHUA-04	215.27	215.86			V	x6	45		wh-gn mi	VN	UN-IR			5			
BHUA-04	215.59	215.95			hJ	x8	60		wh-gn mi	VN	UN-IR						
BHUA-04	215.72				J		45			CN	ST	VR					
BHUA-04	215.90	215.96			V	x3	50		bk	VN	UN-IR						
BHUA-04	216.04	216.30			V	x5	55		bk-gn mi	VN	UN			5			
BHUA-04	216.10	216.13			V		45		bk-gn mi	VN	CU-UN			5			
BHUA-04	216.30				J		40			CN	UN-CU	RF					
BHUA-04	216.43				J		5			CN	UN	RF					
BHUA-04	216.51	216.85			V	x4	25		bk-gn mi	VN	CU-UN			5			
BHUA-04	217.00	217.06			V	x6	45		bk-gn mi	VN	UN-IR			5			
BHUA-04	217.30				V		35		wh-gn mi	VN	CU-UN			5			
BHUA-04	217.60				J		10			CN	UN-ST	RF					
BHUA-04	217.88				J		10			CN	ST-IR	RF-VR					
BHUA-04	217.88	217.92			V		45		wh-gn mi	VN	UN-IR			20			
BHUA-04	218.00	218.14			V	x6	45		wh-gn mi					5			
BHUA-04	218.07	218.46			V	x7	50		wh-gn mi	VN	CU-UN			5			
BHUA-04	218.21				J		20			CN	ST-UN	RF					

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	218.21	218.33			V		55		wh-gn mi	VN	CU			5			
BHUA-04	218.21	218.90			hJ	x6	35		wh-gn mi	VN	UN-IR			5			
BHUA-04	218.25	218.75			V		80		wh-gn mi	VN	UN-IR			5			
BHUA-04	218.60				J		50			CN	CU	PO					
BHUA-04	218.68	218.93			V	x3	40		wh-gn mi	VN	CU			4			
BHUA-04	219.03	219.65			hJ	x9	30		wh-gn mi	VN	UN			5			
BHUA-04	219.24	219.59			V	x6	40		wh-gn mi	VN	CU			5			
BHUA-04	219.27	219.57			V	x4	75		wh-gn mi	VN	UN-IR			5			
BHUA-04	219.60				J		45			CN	ST-UN	RF					
BHUA-04	219.84	219.98			V	x2	45		yl-gn mi	VN	CU			5			
BHUA-04	219.85				J		5			VN	UN-ST	RF					
BHUA-04	220.01	220.10			V	x2	45		yl-gn mi	VN	UN-CU			5			
BHUA-04	220.07	220.89			hJ	x6	80		yl-gn mi	VN	UN-IR						
BHUA-04	220.21	220.81			hJ	x5	15		yl-gn mi	VN	UN-CU						
BHUA-04	220.22	220.27			V		45		wh-gn mi	VN	UN-IR			5			
BHUA-04	221.00	221.20			V		75		wh-gn mi	VN	UN-IR			5			
BHUA-04	221.36	221.43			AZ		45			VN	IR						
BHUA-04	221.64				J		45			CN	CU-PR	PO-SM					
BHUA-04	221.66	221.75			V		50		wh-gn mi	VN	UN-IR			5			
BHUA-04	221.79	221.95			V		70		wh-gn mi	VN	UN-IR			5			
BHUA-04	221.80	221.91			AZ		45			CT-VN	IR						
BHUA-04	221.96				J		5			CN	ST-IR	RF					
BHUA-04	222.00	222.35			V		80		bk-gn mi	VN	UN-IR			5			
BHUA-04	222.07	222.19			V	x3	55		wh-gnmi	VN	IR-UN			5			
BHUA-04	222.31				J		10			VN	UN-ST	RF					
BHUA-04	222.33	222.39			V	x3	25		wh-gn mi	VN	UN			5			
BHUA-04	222.46				CO		46		lamprophyre/granite-volcanic		CU-UN						
BHUA-04	222.63	222.81			V	x2	20		wh-gn mi	VN	CU-PR			5			
BHUA-04	222.83	222.86			V	x3	15		wh-gn mi	VN	CU			5			
BHUA-04	222.89	222.96			V		70		wh-gn mi	VN	UN-CU			5			
BHUA-04	223.42				CO		45		lamprophyre/granite-volcanic		CU-UN						
BHUA-04	223.47	223.74			V	x20	50		wh-gn min	VN	UN-IR			5			
BHUA-04	223.80	223.91			hJ	x9	25		wh-gn min	VN	UN-IR			5			
BHUA-04	224.00	224.16			V	x2	30		wh-gn min	VN	UN-CU			5			
BHUA-04	224.00	224.88			V	x3	85		wh-gn min	VN	UN-IR			5			
BHUA-04	224.03	224.78			AZ		55		wh-gn min	VN	IR-UN			30			
BHUA-04	224.16	224.28			hJ	x6	80		bk-gn mi	VN	PR-UN						
BHUA-04	224.20				J		5			CN	ST-UN	RF					
BHUA-04	224.31				CO		40		lamprophyre/granite-volcanic mix		CU-PR						
BHUA-04	224.36	224.72			V	x13	70		wh-gn mi	VN	UN-IR			5			
BHUA-04	224.63	224.95			V	x9	15		wh-gn mi	VN	CU-PR			5			
BHUA-04	224.78	224.85			V	x6	60		wh-gn mi	VN	UN-CU			5			
BHUA-04	225.01	225.42			V	x6	75		wh-gn mi	VN	UN-IR			5			
BHUA-04	225.02	225.33			V	x5	20		wh-gn mi	VN	UN-IR			5			
BHUA-04	225.25	225.44			V	x6	20		wh-gn mi	VN	UN-IR			5			
BHUA-04	225.43	225.54			hJ	x14	45		wh-gn mi	VN	UN-IR			5			
BHUA-04	225.53				V		5		wh-gn mi	VN	IR-ST			5			
BHUA-04	225.55				CO		50		lamprophyre/granite-volcanic mix		CU-UN						
BHUA-04	225.65	225.88			V	x3	70		wh-gn mi	VN	UN-IR			5			
BHUA-04	225.76				V		5		wh-gn mi	VN	CU			5			
BHUA-04	226.27	226.34			hJ	x4	50		wh-gn mi	VN	UN-ST						
BHUA-04	226.29	226.42			V		75		wh-gn mi	VN	CU			6			
BHUA-04	226.34	226.84			V		80		wh-gn mi	VN	UN-IR			5			
BHUA-04	226.43	256.99			V	x5	40		wh-gn mi	VN	UN-CU			5			
BHUA-04	226.53				J		20			CN	CU-UN	RF					
BHUA-04	227.02	227.17			V		60		wh-gn mi	VN	UN-IR			4			
BHUA-04	227.10	227.23			V	x6	70		bk-gn mi	VN	CU-PR			5			
BHUA-04	227.11	227.63			V	x5	65		bk-gn mi	VN	PR-CU			5			
BHUA-04	227.37				V		40		wh-gn mi	VN	UN-CU						
BHUA-04	227.38	227.67			hJ	x6	50		wh-gn mi	VN	UN						
BHUA-04	227.46				J		25			CN	CU-UN	RF					
BHUA-04	227.49	227.57			V		45		wh-gn mi	VN	IR-ST			20			
BHUA-04	227.60	227.98			V	x6	45		bk-wh mi	VN	CU-UN			5			
BHUA-04	228.09				J		20			CN	CU	SM					
BHUA-04	228.20	228.40			V	x4	65		wh-gn mi	VN	CU			5			
BHUA-04	228.33	228.44			V		70		yl-gn mi	VN	UN			20			
BHUA-04	228.53	228.61			V	x6	45		bk-gn mi	VN	CU-UN			5			
BHUA-04	228.72	228.99			V	x5	50		bk-gn mi	VN	CU-PR			5			
BHUA-04	228.80	228.84			hJ	x4	10		wh-gn mi	VN	UN			5			
BHUA-04	229.03	229.14			V	x3	25		wh-gn mi	VN	UN-IR			5			
BHUA-04	229.20	229.28			J		30			CN	ST-IR	RF					
BHUA-04	229.30	229.51			V	x4	5		wh-gn mi	VN	UN			5			
BHUA-04	229.53	229.76			V	x6	45		bk-gn mi	VN	UN-CU			5			
BHUA-04	229.64	229.74			V		75		wh-gn mi	VN	CU-PR			5			
BHUA-04	229.77	229.96			V	x7	20		wh-gn mi	VN	UN-IR			5			
BHUA-04	229.85	229.93			V	x6	50		wh-gn mi	VN	UN-PR			5			
BHUA-04	230.00	230.07			V		50		wh-gn mi	VN	UN-IR			5			
BHUA-04	230.09	230.24			hJ		40		wh-gn mi	VN	IR			15			
BHUA-04	230.09	230.85			AZ		55			VN	IR						

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	230.15	230.28			V	x7	35		wh-gn mi	VN	UN-CU			5			
BHUA-04	230.36	230.79			hJ	x12	25		wh-gn mi	VN	UN						
BHUA-04	230.36	230.80			V	x15	35		wh-gn mi	VN	UN-ST			5			
BHUA-04	230.41				J		10			CN		RF-VR					
BHUA-04	230.87	231.05			V		70		wh-gn mi	VN	UN-IR			3			
BHUA-04	231.02	231.34			V	x15	20		wh-gn mi	VN	CU-UN			5			
BHUA-04	231.04	231.29			V	x12	40		wh-gn mi	VN	UN			5			
BHUA-04	231.10	231.11			J		20			CN	CU-UN	SM					
BHUA-04	231.21	231.45			V		80		wh mi	VN	UN-IR			5			
BHUA-04	231.42	231.60			hJ	x15	20		wh-gn mi	VN				5			
BHUA-04	231.49				J		10			CN	CU-UN	RF					
BHUA-04	231.63				CO		5		granite mix volcanic / lamprophyre		IR						
BHUA-04	231.70	231.91			V		80		wh-gn mi	VN	UN			5			
BHUA-04	232.03	232.10			hJ		75		wh-gn mi	VN	CU-UN			5			
BHUA-04	232.10	232.85			hJ	x8	40		bk	VN	UN-IR			5			
BHUA-04	232.13				J		20			CN	UN-ST	SM					
BHUA-04	232.13	232.96			V	x16	15		bk mi	VN	PR-CU			5			
BHUA-04	233.00	233.03			V	x4	20		bk mi	VN	UN			5			
BHUA-04	233.32	233.40			V		60		gn-yl mi	VN	CU			4			
BHUA-04	233.35	233.60			hJ	x3	35		bk mi	VN	UN			5			
BHUA-04	233.61	234.06			V	x2	70		yl-gn mi	VN	CU			3			
BHUA-04	233.77	233.87			V	x4	30		bk yl mi	VN	UN-IR			5			
BHUA-04	234.00	234.11			V		80		yl mi	VN	CU			2			
BHUA-04	234.08	234.12			V		35		bk yl mi	VN	CU-UN			2			
BHUA-04	234.23	234.97			hJ	x8	45		bk mi	VN	UN-IR						
BHUA-04	234.29	234.93			hJ	x7	60		bk mi	VN	UN-ST						
BHUA-04	234.43	234.91			hJ	x6	80		bk mi	VN	UN-IR						
BHUA-04	234.47	234.99			hJ	x3	40		bk mi	VN	UN						
BHUA-04	234.55	235.99			V		85		wh mi	VN	CU-UN			2			
BHUA-04	235.05	235.51			V	x8	20		yl-bk mi	VN	UN			2			
BHUA-04	235.15	235.54			hJ	x8	40		bk-yl mi	VN	UN			2			
BHUA-04	235.18	235.46			hJ	x6	65		bk mi	VN	UN-ST			2			
BHUA-04	235.37	235.58			V	x2	75		wh-bk mi	VN	CU			2			
BHUA-04	235.61	235.75			hJ		70		bk mi	VN	CU			2			
BHUA-04	235.98	238.98			J		10			CN	UN	RF					
BHUA-04	236.00	236.06			CO		55		lamprophyre/ granite-volcanic mix		CU-PR	SM					
BHUA-04	236.31	236.97			hJ	x6	25		wh-yl mi	VN	UN-CU						
BHUA-04	236.40	236.96			V	x6	70		wh-gn mi	VN	CU			4			
BHUA-04	236.84				J		10			CN	ST-IR	VR-RF					
BHUA-04	236.96	237.83			V		65		wh-gn mi	VN	CU-UN			3			
BHUA-04	237.00	237.36			hJ	x7	40		yl-gn mi	VN	UN-IR						
BHUA-04	237.06	237.41			hJ	x5	10		yl-gn mi	VN	UN-ST						
BHUA-04	237.26				J		5			CN	UN						
BHUA-04	237.28	237.42			V	x5	45		yl-gn mi	VN	UN-IR			4			
BHUA-04	237.48	238.25			AZ		55			VN	UN-IR						
BHUA-04	237.57	237.88			V	x2	15		yl-gn mi	VN	UN			4			
BHUA-04	237.63	237.67			V		45		yl-gn mi	VN	UN			3			
BHUA-04	237.72	237.87			V		70		yl-gn mi	VN	UN-IR			10			
BHUA-04	238.00	238.26			V	x10	70		yl-gn mi	VN	UN			3			
BHUA-04	238.29	238.72			V	x8	50		yl-gn mi	VN	UN			2			
BHUA-04	238.34	238.70			V	x3	55		yl-gn mi	VN	UN			3			
BHUA-04	238.65	238.81			V		90		yl-gn mi	VN	UN-IR			1			
BHUA-04	238.86				CO		50		granite-volcanic/ lamprophyre		PR-CU	PO					
BHUA-04	238.97				J		5			CN	ST-IR	RF					
BHUA-04	239.00	239.99			V	x2	75		wh-gn mi	VN	CU			2			
BHUA-04	239.09	239.95			V	x2	80		yl-gn mi	VN	CU-UN			2			
BHUA-04	239.31	239.96			V	x15	35		wh-gnmi	VN	UN-IR			2			
BHUA-04	239.84				J		20			CN	ST	VR-RF					
BHUA-04	240.00	240.12			V		80		yl-gn mi	VN	UN-IR			2			
BHUA-04	240.15	240.45			HB	x8	15		wh-gn mi	VN	CU-UN						
BHUA-04	240.80	240.90			V		55		wh mi	VN	ST-CU			2			
BHUA-04	240.83				V		15		wh mi	VN	CU			2			
BHUA-04	240.96				J		20			CN	PR-CU	SM					
BHUA-04	241.01				CO		45		granite-volcanic/ lamprophyre		PR-CU	SM					
BHUA-04	241.01	241.37			AZ		30			VN	UN-IR						
BHUA-04	241.06				CO		55		granite-volcanic/ lamprophyre		PR-CU	PO					
BHUA-04	241.10				J		10			CN	UN-ST	RF					
BHUA-04	241.30	241.40			hJ	x7	65		wh-yl mi	VN	PR-UN			2			
BHUA-04	241.53	241.76			V	x6	50		wh-yl mi	VN	UN-CU			4			
BHUA-04	241.61	241.70			V	x6	45		wh-yl mi	VN	CU			3			
BHUA-04	241.75	241.93			V		80		wh-yl mi	VN	UN-IR						
BHUA-04	241.84	242.11			hJ	x5	30		wh-yl mi	VN	UN						
BHUA-04	242.19	242.24			V	x5	20		wh-yl mi	VN	CU-UN			2			
BHUA-04	242.25	242.37			V		65		wh-yl mi	VN	PR-CU			5			
BHUA-04	242.39	242.88			V	x9	20		wh-yl mi	VN	CU-UN			4			
BHUA-04	242.59				V		75		wh-yl mi	VN	PR-CU			2			
BHUA-04	243.04	243.48			V	x4	40		bk mi	VN	CU			4			
BHUA-04	243.11	243.35			V		50		wh-yl mi	VN	CU-UN			4			
BHUA-04	243.31	243.36			V		40		wh-yl mi	VN	UN-IR			4			

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	243.50	243.82			hJ	x13			wh-yl mi	VN	UN-CU						
BHUA-04	243.58				J		15			CN	ST-UN	VR-RF					
BHUA-04	244.10	244.96			AZ		45			VN	UN-IR						
BHUA-04	244.31	244.89			V	x12	60		wh-yl mi	VN	UN-IR			4			
BHUA-04	244.40				J		25			CN	UN-ST	RF					
BHUA-04	244.65				J		25			CN	UN-ST	RF					
BHUA-04	244.85				J		40			CN	UN-ST	RF					
BHUA-04	244.94				J		25			CN	UN-ST	RF					
BHUA-04	245.09	247.49			AZ		45			VN	IR-UN						
BHUA-04	245.20				J		15			CN	UN	RF					
BHUA-04	245.37	245.47			V	x2	65		dark gn	VN	CU-PR			3			
BHUA-04	245.40	245.59			V	x8	30		wh-yl mi	VN	UN-ST			3			
BHUA-04	245.62	245.99			V		85		wh-gn mi	VN	UN-IR			13			
BHUA-04	245.69				J		15			CN	UN-ST	VR					
BHUA-04	246.03	246.70			V	x2	25		wh-yl mi	VN	CU-UN			2			
BHUA-04	246.04	246.21			hJ	x5	30		wh-yl mi	VN	CU-UN			1			
BHUA-04	246.05	246.12			V	x4	45		wh-yl mi	VN	UN			3			
BHUA-04	246.36	246.45			V		45		yl-gn mi	VN	UN-IR			4			
BHUA-04	246.37	246.46			V		55		yl-gn mi	VN	UN-CU			4			
BHUA-04	246.40	246.56			V		75		yl-gn mi	VN	ST-UN			3			
BHUA-04	246.47	246.65			hJ	x4	40		bk	VN	CU-UN						
BHUA-04	246.56				J		30			VN	CU-UN	RF-SM					
BHUA-04	246.58	246.93			V		80		Qtz vein	VN	UN-CU			5			
BHUA-04	246.60				J		35			CN	CU-PR	SM					
BHUA-04	246.70	246.96			hJ	x4	80		bk	VN	UN-IR						
BHUA-04	246.71	247.21			V		85		wh Qtz mi	VN	UN-IR			2			
BHUA-04	246.82	246.87			V		75		Qz vein	VN	CU			4			
BHUA-04	246.91	246.93			V		35		yl-gn mi	VN	CU-UN			3			
BHUA-04	247.00	247.11			V		55		yl-gn mi	VN	UN-IR			3			
BHUA-04	247.00	247.42			V		85		yl-gn mi	VN	UN-IR			3			
BHUA-04	247.27	247.49			V	x2	50		yl-gn mi	VN	PR-CU						
BHUA-04	247.45				J		55			VN	PR-CU	SM					
BHUA-04	247.49	247.71			V		75		yl-gn mi	VN	UN-ST			3			
BHUA-04	247.90	248.24			hJ	x7	85		yl-gn mi	VN	UN-ST			1			
BHUA-04	248.12	248.78			hJ	x3	80		yl-gn mi	VN	UN-ST			1			
BHUA-04	248.34	248.51			hJ	x4	40		bk mi	VN	CU						
BHUA-04	248.74	248.78			V		45		yl-gn mi	VN	CU-PR			3			
BHUA-04	248.86				CO		55		granite-volcanic/ basalt		PR-CU	PO					
BHUA-04	248.95				J		50			CN	UN-CU	RF					
BHUA-04	249.00	249.44			V	x4	75		yl-gn mi	VN	UN-IR			3			
BHUA-04	249.24	250.06			V	x6	85		yl-gn mi	VN	UN-ST			2			
BHUA-04	249.40				J		30			CN	ST-IR	VR					
BHUA-04	249.44	249.64			hJ	x5	55		yl-gn mi	VN	UN-ST						
BHUA-04	249.61	249.91			V	x8	30		yl-gn mi	VN	UN			2			
BHUA-04	249.97				CO		45		granite-volcanic/ basalt		PR-CU	PO					
BHUA-04	250.07	250.13			V	x6	50		yl-gn mi	VN	UN-IR			3			
BHUA-04	250.12	250.22			V		65		yl-gn mi	VN	CU-UN						
BHUA-04	250.33	250.37			V		35		yl-gn mi	VN	CU-UN			3			
BHUA-04	250.35				CO		15		granite-volcanic/ basalt		PR-CU	SM-PO					
BHUA-04	250.41	250.49			hJ	x6	70		yl-gn mi	VN	UN-ST			1			
BHUA-04	250.41	250.68			hJ	x6	30		yl-gn mi	VN	CU-UN			1			
BHUA-04	250.69				CO		25		granite-volcanic/ basalt		PR-CU	SM-PO					
BHUA-04	250.69	250.72			V	x3	25		yl-gn mi	VN	UN-ST			4			
BHUA-04	251.09	251.13			V		40		yl-gn mi	VN	CU			2			
BHUA-04	251.19	251.91			hJ	x5	10		yl-gn mi	VN	CU			2			
BHUA-04	251.58	251.76			V				yl-gn mi	VN	UN-ST			1			
BHUA-04	251.60	251.63			V	x2	25		yl-gn mi	VN	UN			4			
BHUA-04	252.08	252.66			V	x4	30		yl-gn mi	VN	CU-UN			2			
BHUA-04	252.17	252.96			V	x5	45		yl-gn mi	VN	CU-UN			2			
BHUA-04	253.13	253.41			V		70		yl-gn mi	VN	UN-IR			2			
BHUA-04	253.22	253.30			V	x3	20		yl-gn mi	VN	UN-ST			1			
BHUA-04	253.29	253.66			hJ		25		yl-gn mi	VN	UN						
BHUA-04	253.44	253.54			V		65		yl-gn mi	VN	CU-PR			2			
BHUA-04	253.72	253.92			V	x3	35		yl-gn mi	VN	UN-ST			2			
BHUA-04	253.97	254.06			V		70		yl-gn mi	VN	PR-UN			2			
BHUA-04	254.09	254.68			V	x5	40		yl-gn mi	VN	CU			25			
BHUA-04	254.17	254.42			V		80		bk mi	VN				2			
BHUA-04	254.78	254.96			hJ	x3	45		yl-gn mi	VN	UN-ST			1			
BHUA-04	255.04	255.74			V	x6	45		yl-gn mi	VN	CU			2			
BHUA-04	255.06	255.27			hJ	x3	85		yl-gn mi	VN	ST-IR			1			
BHUA-04	255.21	255.26			V	x2	25		yl-gn mi	VN	UN-PR			2			
BHUA-04	255.25	255.70			V	x5	75		yl-gn mi	VN	PR-UN			2			
BHUA-04	255.83				J		10			CN	ST	VR					
BHUA-04	255.96	256.05			V	x3	45		yl-gn mi	VN	CU			1			
BHUA-04	256.24	256.64			V	x3	50		yl-gn mi	VN	CU-UN			2			
BHUA-04	256.50	256.71			V	x4	70		bk mi	VN	CU			2			
BHUA-04	256.58				hJ		40		wh mi	VN	CU	RF		1			
BHUA-04	256.73				V		5		yl-gn mi	VN	CU			1			
BHUA-04	256.84				J		5			CN	ST-UN	RF					

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	256.87	256.97			hJ	x9	45		bk mi	VN	PR-CU			1			
BHUA-04	257.05	257.39			hJ	x11	35		bk-gn mi	VN	CU-UN						
BHUA-04	257.17	257.81			V	x9	45		yl-gn mi	VN	CU-UN			3			
BHUA-04	257.21	257.94			hJ	x15	10		yl-gn mi	VN	CU-UN			1			
BHUA-04	257.42	257.48			V		40		yl-gn mi	VN	UN-IR			25			
BHUA-04	257.52				J		5			CN	UN	RF					
BHUA-04	257.69				J		15			CN	UN-ST	VR					
BHUA-04	257.78	258.04			V	x3	75		yl-gn mi	VN	UN-IR			3			
BHUA-04	257.82				J		40			CN	CU-PR	SM					
BHUA-04	258.04	258.13			V	x2	25		yl-gn mi	VN	CU			2			
BHUA-04	258.05	258.61			V	x6	65		yl-bk mi	VN	UN-ST			2			
BHUA-04	258.30				J		10			CN	UN-ST	RF					
BHUA-04	258.49	258.61			V	x4	25		yl-gn mi	VN	CU			2			
BHUA-04	258.58				J		5			CN	UN	RF					
BHUA-04	258.70	258.88			V	x2	65		yl-bk mi	VN	UN-ST			2			
BHUA-04	259.07	259.16			V		55		yl-gn mi	VN	UN-IR			30			
BHUA-04	259.25	259.35			V	x3	65		yl-gn mi	VN	UN-ST			3			
BHUA-04	259.36	259.67			hJ	x4	65		yl-bk mi	VN	UN-ST			1			
BHUA-04	259.67	259.82			V	x4	25		yl-gn mi	VN	UN			3			
BHUA-04	259.86	259.93			V	x7	10		yl-gn mi	VN	UN-CU			3			
BHUA-04	259.94	259.99			V	x6	30		yl-gn mi	VN	CU			2			
BHUA-04	260.00	260.05			V	x2	25		yl-gn mi	VN	UN-ST			2			
BHUA-04	260.03	260.20			V	x6	70		yl-gn mi	VN	UN-IR			8			
BHUA-04	260.26	260.39			hJ	x13	5		yl-gn mi	VN	CU-UN						
BHUA-04	260.42				J		5			CN	CU-UN	SM-RF					
BHUA-04	260.59	260.74			J		75			VN	CU-PR	SM					
BHUA-04	260.66	260.76			hJ	x5	85		yl-gn mi	VN	UN-IR			1			
BHUA-04	260.77	260.98			hJ	x4	40		yl-gn mi	VN	CU-PR			2			
BHUA-04	261.00	261.27			V	x2	65		bk mi	VN	CU-UN			2			
BHUA-04	261.05	261.20			hJ	x8	50		bk-gn mi	VN	CU-UN			1			
BHUA-04	261.41	261.52			V	x2	45		bk mi	VN	CU-UN			2			
BHUA-04	261.57	261.66			hJ	x6	60		bk mi	VN	UN-ST						
BHUA-04	261.64	261.84			V	x14	55		bk mi	VN	UN			2			
BHUA-04	261.83				V		10		yl-gn mi					2			
BHUA-04	261.85	261.90			V		60		bk mi	VN	CU			6			
BHUA-04	262.04	262.70			V		45		yl-gn mi	VN	UN-ST			2			
BHUA-04	262.15	262.24			V		75		yl-gn mi	VN	CU			2			
BHUA-04	262.28	262.33			V	x2	25		yl-gn mi	VN	CU-UN			2			
BHUA-04	262.49	262.75			V	x2	5		yl-gn mi	VN	UN-CU			2			
BHUA-04	262.70	262.76			V		50		yl-gn mi	VN	PR			2			
BHUA-04	263.00	263.09			V	x2	60		bk mi	VN	PR-UN			2			
BHUA-04	263.00	263.68			J		65			CN	CU-UN	SM-RF					
BHUA-04	263.16	263.20			V		40		yl-gn mi	VN	CU			2			
BHUA-04	263.19				J		20			CN	UN-ST	RF					
BHUA-04	263.23	263.39			hJ	x8	15		yl-gn mi	VN	CU-UN			1			
BHUA-04	263.34	263.44			V		65		yl-gn mi	VN	UN-IR			7			
BHUA-04	263.48	263.66			V	x4	70		bk-gn mi	VN	PR-UN			2			
BHUA-04	263.70				J		5			CN	UN	RF					
BHUA-04	263.70	263.75			V	x3	10		yl-gn mi	VN	UN-CU			1			
BHUA-04	263.83	263.88			V		40		bk mi	VN	PR			2			
BHUA-04	263.84	264.00			V		75		yl-gn mi	VN	PR			2			
BHUA-04	263.85				V		10		yl-gn mi	VN	CU			2			
BHUA-04	264.04				J		20			CN	UN-ST	RF					
BHUA-04	264.19	264.22			V		40			VN	CU						
BHUA-04	264.23	264.35			V	x6	25		yl-gn mi	VN	CU			1			
BHUA-04	264.42	264.79			hJ		50		wh-bk mi	VN	PR			1			
BHUA-04	264.43				J		10			CN	ST-UN	VR					
BHUA-04	264.55	264.90			V	x2	35		yl-gn mi	VN	CU			2			
BHUA-04	264.62	264.88			hJ		10		yl-bk mi	VN	CU			2			
BHUA-04	264.91	264.98			V		50		yl-gn mi	VN	CU			2			
BHUA-04	265.00				hJ		30		pale yl	VN	CU-UN	RF		2			
BHUA-04	265.00	265.37			hJ		40		wh mi	VN	CU	RF		1			
BHUA-04	265.09	265.14			hJ		65		pale yl mi	VN	CU-UN	RF		1			
BHUA-04	265.19	265.23			hJ		20		pale yl	VN	ST-UN	RF		1			
BHUA-04	265.38	265.41			hJ		35		pale yl	VN	UN-ST	RF		1			
BHUA-04	265.48	265.50			hJ		30		wh mi	VN	PR	RF		1			
BHUA-04	265.53	265.56			hJ		20		wh mi	SN	CU-UN	RF		1			
BHUA-04	265.57				hJ		55		bk mi	VN	CU	RF		1			
BHUA-04	265.66	265.79			hJ		40		pale yl mi	VN	CU-UN	RF		1			
BHUA-04	265.87				hJ		10		wh mi	VN	UN-ST	RF		1			
BHUA-04	266.00				hJ		10		wh mi	VN	UN-ST	RF		1			
BHUA-04	266.23				hJ	x2	45		wh mi	VN	UN-ST	RF		1			
BHUA-04	266.32	266.52			hJ		80		pale yl	VN	UN-ST	RF		1			
BHUA-04	266.37				hJ		65		pale yl	VN	UN	RF		2			
BHUA-04	266.43				hJ		20		pale yl	VN	PR-UN	RF					
BHUA-04	266.55	266.57			hJ	x2	65		pale yl	VN	PR	RF					
BHUA-04	266.57				hJ		25		pale yl	VN	UN	SM					
BHUA-04	266.64				hJ		30		pale yl	VN	UN-ST	RF					
BHUA-04	266.67	266.69			hJ	x2	30		wh mi	VN	UN	RF					

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	266.74	266.79			hJ	x3	25		wh to gy mi	VN	CU-UN	RF					
BHUA-04	266.75				hJ		40		pale yl	VN	CU	RF					
BHUA-04	266.81	266.83			hJ	x2	50		pale yl	VN	CU	RF					
BHUA-04	266.93				hJ		40		pale yl	VN	CU-UN	RF					
BHUA-04	266.97				DB												
BHUA-04	267.01	267.09			hJ		40		wh mi	VN	CU	RF					
BHUA-04	267.31				hJ		20		pale yl	VN	UN-ST	RF					
BHUA-04	268.16				hJ		50		pale yl	VN	CU-UN	RF		2			
BHUA-04	268.23	268.31			hJ		70		pale yl	VN	UN-CU	RF		2			
BHUA-04	268.41				hJ		20		pale yl	VN	CU	RF		1			
BHUA-04	268.52	268.62			hJ	x2	40		pale yl	VN	UN	RF		1			
BHUA-04	268.72				hJ		40		pale yl	VN	CU	RF		1			
BHUA-04	268.82				hJ		30		wh mi	VN	UN	RF		1			
BHUA-04	268.83	268.90			hJ		70		wh mi	VN	PR	RF		1			
BHUA-04	268.91	268.92			J		30			CN	UN-ST	RF		2			
BHUA-04	268.94				hJ		20		wh mi	VN	UN	RF		1			
BHUA-04	268.94	268.98			hJ		40		wh mi	VN	UN-ST	RF		1			
BHUA-04	269.14	269.21			hJ	x2	40		dark gy		PR-UN						
BHUA-04	269.27				J		5			CN	CU-UN	RF					
BHUA-04	269.30	269.50			hJ	x2	75		pale yl, wh mi		PR-UN						
BHUA-04	269.77	269.83			hJ	x3	25		pale gy - yl mi		PR-UN						
BHUA-04	269.84	269.87			hJ	x2	15		pale gy - yl mi		PR-UN						
BHUA-04	269.90	269.92			hJ	x3	20		pale gy - yl mi		CU						
BHUA-04	270.00	270.09			hJ		85		pale yl		UN-ST						
BHUA-04	270.00	270.48			hJ	x2	15		pale yl-gy mi		PR-UN						
BHUA-04	270.09	270.17			hJ		70		pale yl mi		UN						
BHUA-04	270.37	270.69			hJ	x3	85		pale yl mi		UN-ST						
BHUA-04	270.48	270.60			hJ	x3	65		pale yl mi		UN-ST						
BHUA-04	270.61				hJ				pale yl mi		CU-UN						
BHUA-04	270.70	270.78			hJ	x3	70		pale yl mi		UN						
BHUA-04	270.83				hJ		30		pale yl mi		UN						
BHUA-04	271.04	271.05			hJ	x2	20		pale yl mi		UN						
BHUA-04	271.07	272.04			AZ		70		veining and flow banded zone		UN-IR						
BHUA-04	271.24				J		5			CN	UN-ST	RF					
BHUA-04	271.72	271.79			hJ	x2	90		wh-pale yl mi		UN						
BHUA-04	271.73	271.92			hJ	x3	80		pale yl mi		UN						
BHUA-04	271.91				J		55			SN	CU-UN	SM					
BHUA-04	272.03	272.09			hJ	x2	85		pale yl mi		PR-UN						
BHUA-04	272.04	272.28			hJ	x3	75		pale yl mi		PR-UN						
BHUA-04	272.13	272.23			hJ	x3	35		pale yl mi		UN-ST						
BHUA-04	272.31	272.69			hJ	x3	85		pale yl mi		UN						
BHUA-04	272.46				hJ		35		pale yl mi		PR-UN						
BHUA-04	272.51				hJ		40		pale yl mi		PR-UN						
BHUA-04	272.82				hJ		70		pale yl mi		PR-UN						
BHUA-04	272.87	272.99			hJ	x2	85		pale yl mi		PR-UN						
BHUA-04	272.90	272.96			hJ	x2	75		pale yl mi		PR-UN						
BHUA-04	272.95	272.98			hJ	x2	85		pale yl mi		PR						
BHUA-04	273.06				J		15			VN	PR-CU	RF					
BHUA-04	273.16				hJ					VN	PR-CU-UN						
BHUA-04	273.22				J		25			VN	PR	RF					
BHUA-04	273.25				hJ					VN	PR-CU-IR						
BHUA-04	273.33				hJ					VN	PR-IR-UN						
BHUA-04	273.51				hJ					VN	PR-CU-IR						
BHUA-04	273.82				hJ					VN	PR-CU						
BHUA-04	273.95	273.97			hJ					VN	PR-CU-IR						
BHUA-04	274.09				hJ					VN	PR-CU						
BHUA-04	274.28				hJ					VN	PR-CU-IR						
BHUA-04	274.42				DB							RF					
BHUA-04	274.53				hJ					VN	PR-CU-IR						
BHUA-04	274.63				J		25			VN	PR-CU	RF					
BHUA-04	275.01	275.04			V					VN	PR-CU						
BHUA-04	275.08				J		5			VN	PR-CU-UN	RF					
BHUA-04	275.46				hJ					VN	PR-CU-UN						
BHUA-04	275.62				hJ					VN	PR-CU-IR						
BHUA-04	275.77				J		25			VN	PR-CU-UN	RF					
BHUA-04	276.09				hJ					VN	PR-CU						
BHUA-04	276.17	276.19			hJ					VN	PR-CU-UN						
BHUA-04	276.42				J		15			VN	PR-CU	RF					
BHUA-04	276.58				hJ					VN	PR-CU-UN						
BHUA-04	277.14				hJ		35			VN	PR-CU						
BHUA-04	277.27	277.30			hJ		35			VN	PR-CU						
BHUA-04	277.35				hJ					VN	PR-CU-IR						
BHUA-04	277.43				hJ		20			VN	PR-CU						
BHUA-04	277.48	277.52			hJ					VN	PR-CU-UN						
BHUA-04	277.65				hJ		45			VN	PR-CU						
BHUA-04	277.80	277.85			hJ		45			VN	PR-CU						
BHUA-04	277.93				hJ		35			VN	PR-CU						
BHUA-04	278.19				hJ					VN	PR-CU-UN						
BHUA-04	278.27	278.34			V					infilled	PR-CU-UN						

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	278.42				hJ					VN	PR-CU-UN						
BHUA-04	278.59	278.70			V					infilled	PR-CU-UN						
BHUA-04	278.75				J		25			VN	PR-CU	RF					
BHUA-04	278.91				hJ					VN	PR-CU-UN						
BHUA-04	279.05	279.29			AZ					CT	IR-PR-UN						
BHUA-04	279.30				J		15			VN	PR-CU-UN	RF					
BHUA-04	279.57				J		15			VN	PR-CU	RF					
BHUA-04	279.67				J		40			VN	PR-CU-UN	RF					
BHUA-04	281.37				hJ					VN	PR-CU-UN						
BHUA-04	281.62				J		5			VN	PR-CU	RF					
BHUA-04	281.78	281.82			J		5			VN	PR-CU-UN	RF					
BHUA-04	282.08				hJ					VN	PR-CU-UN						
BHUA-04	282.10				hJ					VN	PR-CU-IR						
BHUA-04	282.47				hJ					VN	PR-CU-IR						
BHUA-04	282.63				J		15			VN	PR-CU	RF					
BHUA-04	282.88				J		5			VN	UN	RF					
BHUA-04	283.06				V					infilled	PR-CU-UN						
BHUA-04	283.23	283.30			hJ					VN	PR-CU-UN						
BHUA-04	283.36	283.38			J		30			VN	PR	RF					
BHUA-04	283.48				hJ					VN	PR-CU-IR						
BHUA-04	283.62				hJ		25			VN	PR-CU						
BHUA-04	283.69				hJ		35			VN	PR-CU						
BHUA-04	283.83				V					infilled	PR-CU-UN						
BHUA-04	284.06				hJ					VN	PR-CU-UN						
BHUA-04	284.17	284.29			V					infilled	PR-CU-UN						
BHUA-04	284.34	284.40			hJ					VN	PR-CU-UN						
BHUA-04	284.59				hJ					VN	PR-CU-UN						
BHUA-04	284.79				hJ		25			VN	PR-CU						
BHUA-04	284.95				hJ		30			VN	PR-CU-UN						
BHUA-04	285.08				hJ					VN	PR-CU-UN						
BHUA-04	285.19	285.27			hJ					VN	PR-CU-UN						
BHUA-04	285.40				J		0			VN	UN	RF					
BHUA-04	285.61				J		5			VN	UN-IR	RF					
BHUA-04	285.80				hJ					VN	PR-CU-UN						
BHUA-04	286.04				V					infilled	PR-CU						
BHUA-04	286.14				hJ					VN	PR-CU-UN						
BHUA-04	286.28				hJ					VN	PR-CU-UN						
BHUA-04	286.61				hJ					VN	PR-CU-UN						
BHUA-04	286.92				hJ					VN	PR-CU-UN						
BHUA-04	287.02				hJ					VN	PR-CU-UN						
BHUA-04	287.30	287.41			V					infilled	PR-CU-UN						
BHUA-04	287.43				J		25			VN	PR-CU	RF					
BHUA-04	287.56				hJ					VN	PR-CU-UN						
BHUA-04	287.85	287.96			hJ					VN	PR-CU-UN						
BHUA-04	288.15				hJ					VN	PR-CU-UN						
BHUA-04	288.25	288.31			hJ		40			VN	PR-CU						
BHUA-04	288.33	288.41			hJ					VN	PR-CU-UN						
BHUA-04	288.53	288.55			hJ		30			VN	PR-CU						
BHUA-04	288.60				J		5			VN	PR-CU-UN	RF					
BHUA-04	288.72				J		5			VN	UN	RF					
BHUA-04	288.81				hJ					VN	PR-CU-UN						
BHUA-04	289.17				hJ					VN	PR-CU-UN						
BHUA-04	289.28				hJ		30			VN	PR-CU						
BHUA-04	289.45	289.59			hJ					VN	PR-CU-UN						
BHUA-04	289.62	289.70			hJ					VN	PR-CU-UN						
BHUA-04	289.81	289.98			J		45			VN	PR	RF					
BHUA-04	290.17				hJ					VN	PR-CU-UN						
BHUA-04	290.40				hJ					VN	PR-CU-UN						
BHUA-04	290.55				hJ		25			VN	PR-CU						
BHUA-04	290.76				V					infilled	PR-CU						
BHUA-04	290.85				hJ					VN	PR-CU-UN						
BHUA-04	291.07				J		30			VN	PR-CU	RF					
BHUA-04	291.33				J		10			VN	PR-CU	RF					
BHUA-04	291.66	291.70			P					VN		RF					
BHUA-04	292.22				hJ					VN	PR-CU-UN						
BHUA-04	292.25	292.30			hJ					VN	PR-CU-UN						
BHUA-04	292.57	292.62			J		45			VN	PR-CU	RF					
BHUA-04	292.82	292.86			hJ		40			VN	PR-CU						
BHUA-04	292.87				hJ		35			VN	PR-CU						
BHUA-04	293.16				hJ					VN	UN-IR						
BHUA-04	293.45				J		10			VN	PR-CU-UN	RF					
BHUA-04	293.56				hJ		35			VN	PR-CU						
BHUA-04	293.80				hJ					VN	PR-CU						
BHUA-04	293.93				hJ					VN	PR-CU-UN						
BHUA-04	294.02				hJ		35			VN	PR-CU-UN						
BHUA-04	294.15				hJ					VN	PR-CU-UN						
BHUA-04	294.32				J		15			VN	PR-CU	RF					
BHUA-04	294.44				hJ		25			VN	PR-CU						
BHUA-04	294.53				J		0			VN	UN	RF					

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	294.66				V					infilled	PR-CU						
BHUA-04	294.94				hJ					VN	PR-CU-UN						
BHUA-04	295.07				hJ					VN	PR-CU-UN						
BHUA-04	295.15				hJ					VN	PR-CU-UN						
BHUA-04	295.35				hJ					VN	PR-CU-UN						
BHUA-04	295.55	295.66			hJ					VN	PR-CU-UN						
BHUA-04	295.80				hJ		25			VN	PR-CU						
BHUA-04	296.08				hJ					VN	PR-CU-UN						
BHUA-04	296.16				hJ					VN	PR-CU-UN						
BHUA-04	296.44	296.51			hJ					VN	PR-CU-UN						
BHUA-04	296.70	296.72			hJ		30			VN	PR-CU						
BHUA-04	296.81				hJ					VN	PR-CU-UN						
BHUA-04	296.92				hJ					VN	UN-IR						
BHUA-04	297.07				hJ					VN	PR-CU-UN						
BHUA-04	297.30				HB												
BHUA-04	297.47				J		10			VN	UN	RF					
BHUA-04	298.07				hJ					VN	PR-UN-CU						
BHUA-04	298.24	298.35			hJ					VN	PR-CU-UN						
BHUA-04	299.15				hJ		25			VN	PR-CU						
BHUA-04	299.29				V					infilled	PR-CU						
BHUA-04	299.30	299.34			hJ					VN	PR-CU-UN						
BHUA-04	299.64				hJ		30			VN	UN-PR-CU						
BHUA-04	299.86				hJ					VN	UN-IR						
BHUA-04	300.09				hJ					VN	PR-CU-UN						
BHUA-04	300.19				J		10			VN	PR-CU	RF					
BHUA-04	300.40				J		5			VN	UN	RF					
BHUA-04	300.58				J		5			VN	UN-IR	RF					
BHUA-04	301.13				hJ					VN	PR-CU-UN						
BHUA-04	301.33				hJ					VN	PR-CU-UN						
BHUA-04	301.41				hJ		25			VN	PR-CU						
BHUA-04	301.62				hJ					VN	PR-CU-UN						
BHUA-04	302.09				hJ					VN	PR-CU-UN						
BHUA-04	302.38				hJ					VN	PR-CU-UN						
BHUA-04	302.43				J		15			VN	PR-CU	RF					
BHUA-04	302.67				hJ					VN	PR-CU-UN						
BHUA-04	302.89				hJ		30			VN	PR-CU						
BHUA-04	303.06				J		15			VN	PR-CU	RF					
BHUA-04	303.25				hJ					VN	PR-CU-UN						
BHUA-04	303.34				J		0			VN	PR-CU-UN	RF					
BHUA-04	303.60				hJ					VN	PR-CU-UN						
BHUA-04	303.80				J		5			VN	UN	RF					
BHUA-04	303.91				hJ					VN	PR-CU-UN						
BHUA-04	304.05				hJ					VN	PR-CU-UN						
BHUA-04	304.11				hJ					VN	PR-CU-UN						
BHUA-04	304.21				hJ					VN	PR-CU-UN						
BHUA-04	304.32	304.35			hJ					VN	PR-CU-UN						
BHUA-04	304.44				hJ					VN	PR-CU-UN						
BHUA-04	304.52				J		25			VN	PR-CU	RF					
BHUA-04	305.10				hJ					VN	PR-CU-UN						
BHUA-04	305.14				hJ					VN	PR-CU-UN						
BHUA-04	305.28				hJ		15			VN	PR-CU						
BHUA-04	305.34				hJ		15			VN	PR-CU						
BHUA-04	305.41	305.43			J		30			VN	PR-CU	RF					
BHUA-04	305.74				J		0			VN	UN	RF					
BHUA-04	305.80	305.90			J		45			VN	PR-CU	RF					
BHUA-04	306.11				hJ					VN	PR-CU-UN						
BHUA-04	306.26				J		5			VN	UN	RF					
BHUA-04	306.48				J		5			VN	PR-CU	RF					
BHUA-04	306.67				J		10			VN	UN	RF					
BHUA-04	306.90				hJ					VN	PR-CU-UN						
BHUA-04	306.98				hJ		35			VN	PR-CU						
BHUA-04	307.07				hJ					VN	PR-CU-UN						
BHUA-04	307.34				hJ					VN	PR-CU-UN						
BHUA-04	307.42				hJ					VN	PR-CU-UN						
BHUA-04	307.72				hJ					VN	PR-CU-UN						
BHUA-04	307.86				hJ					VN	PR-UN						
BHUA-04	307.98				hJ					VN	PR-CU-UN						
BHUA-04	308.10				hJ					VN	PR-CU-UN						
BHUA-04	308.16				hJ					VN	PR-CU-UN						
BHUA-04	308.35				hJ					VN	UN-IR						
BHUA-04	308.58	308.63			hJ					VN	PR-CU-UN						
BHUA-04	308.96	308.98			J		20			VN	PR-CU	RF					
BHUA-04	309.24				J		5			VN	UN	RF					
BHUA-04	309.53				hJ					VN	PR-CU	RF					
BHUA-04	309.61				J		0			VN	UN-IR	RF					
BHUA-04	309.92				hJ		25			VN	PR-CU						
BHUA-04	310.06				hJ					VN	PR-CU-UN						
BHUA-04	310.37				hJ					VN	PR-CU-UN						
BHUA-04	310.77				hJ					VN	PR-CU-UN						

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	310.91				hJ					VN	PR-CU-IR						
BHUA-04	311.06				hJ					VN	UN						
BHUA-04	311.23				J		25			VN	PR-CU	RF					
BHUA-04	311.65				hJ					VN	PR-CU-UN						
BHUA-04	311.72				J		5			VN	UN	RF					
BHUA-04	311.91				hJ					VN	PR-CU-UN						
BHUA-04	312.07				J		5			VN	UN-IR	RF					
BHUA-04	312.27				hJ					VN	CU-UN-IR						
BHUA-04	312.42				HB												
BHUA-04	312.85	312.97			hJ		45			VN	PR-CU						
BHUA-04	313.09				hJ					VN	PR-CU-UN						
BHUA-04	313.25	313.30			hJ					VN	PR-CU-UN						
BHUA-04	313.35				hJ					VN	PR-CU-IR						
BHUA-04	313.58				hJ		40			VN	PR-CU						
BHUA-04	313.95				hJ					VN	PR-CU-UN						
BHUA-04	314.22				hJ					VN	PR-CU-UN						
BHUA-04	314.30				J		25			VN	PR-CU	RF					
BHUA-04	314.70				J		30			VN	PR-CU	RF					
BHUA-04	314.94				hJ					VN	PR-CU-UN						
BHUA-04	315.11				hJ					VN	PR-CU-UN						
BHUA-04	315.40				J		20			VN	PR-CU	RF					
BHUA-04	315.65				hJ					VN	PR-CU-UN						
BHUA-04	316.15	316.18			hJ					VN	PR-CU-UN						
BHUA-04	316.35				hJ					VN	PR-CU-UN						
BHUA-04	316.78				hJ					VN	PR-CU-UN						
BHUA-04	317.07				J		0			VN	PR-CU	RF					
BHUA-04	317.31				hJ					VN	PR-CU-UN						
BHUA-04	317.50				hJ					VN	PR-CU-UN						
BHUA-04	317.80				hJ		15			VN	PR-CU						
BHUA-04	317.83	317.91			hJ					VN	PR-CU-UN						
BHUA-04	318.04				hJ					VN	PR-CU-UN						
BHUA-04	318.14				hJ					VN	PR-CU-UN						
BHUA-04	318.29				hJ					VN	PR-CU-UN						
BHUA-04	318.44	318.47			hJ					VN	PR-CU-UN						
BHUA-04	318.61	318.70			hJ		45			VN	PR-CU						
BHUA-04	318.94				hJ		30			VN	PR-CU						
BHUA-04	319.03				hJ					VN	PR-CU-UN						
BHUA-04	319.13				hJ					VN	PR-CU-UN	RF					
BHUA-04	319.24	319.33			hJ					VN	PR-CU-UN						
BHUA-04	319.69	319.78			V		45			infilled	PR-CU						
BHUA-04	319.84				J		15			VN	PR-CU	RF					
BHUA-04	320.09				hJ					VN	PR-CU-UN						
BHUA-04	321.31				hJ		20			VN	PR-CU						
BHUA-04	321.53				J		15			VN	PR-CU	RF					
BHUA-04	321.65				hJ					VN	PR-CU-UN						
BHUA-04	322.06				hJ		15			VN	PR-CU						
BHUA-04	322.10				hJ					VN	PR-CU-UN						
BHUA-04	322.81				hJ		20			VN	PR-CU						
BHUA-04	322.94				hJ					VN	PR-CU-UN						
BHUA-04	323.08				hJ					VN	PR-CU-UN						
BHUA-04	323.29				HB												
BHUA-04	323.61	323.63			J		10			VN	CU-PR-UN	RF					
BHUA-04	324.04				hJ		30			VN	PR-CU						
BHUA-04	324.11				hJ		25			VN	PR-CU						
BHUA-04	324.30				V					infilled	PR-CU						
BHUA-04	324.53				J		5			VN	UN-CU	RF					
BHUA-04	324.61				J		25			VN	PR-CU-UN	RF					
BHUA-04	325.21				hJ					VN	PR-CU-UN						
BHUA-04	325.50				HB												
BHUA-04	326.42				J		25			VN	PR-CU	RF					
BHUA-04	326.49				V					infilled	PR-CU-UN						
BHUA-04	326.90				hJ					VN	PR-UN-CU						
BHUA-04	326.92				J		15			VN	PR-CU	RF					
BHUA-04	326.92	326.98			hJ					VN	PR-CU-IR						
BHUA-04	327.11				hJ					VN	PR-CU-UN						
BHUA-04	327.38				HB						UN						
BHUA-04	327.76				HB						UN						
BHUA-04	327.96				hJ					VN	PR-CU-UN						
BHUA-04	328.10				hJ		10			VN	PR-CU						
BHUA-04	328.21				hJ		40			VN	PR-CU-UN						
BHUA-04	328.40				hJ					VN	PR-CU-UN						
BHUA-04	328.44				hJ		45			VN	PR-CU-UN						
BHUA-04	328.66	328.68			J		35			VN	PR-CU	RF					
BHUA-04	328.75				hJ					VN	PR-CU-UN						
BHUA-04	328.87				hJ		20			VN	PR-CU						
BHUA-04	328.93				V		25			infilled	PR-CU						
BHUA-04	329.17				hJ					VN	PR-CU-UN						
BHUA-04	329.23				hJ		25			VN	PR-CU-UN						
BHUA-04	329.35				hJ		30			VN	PR-CU-UN						

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	329.68				J		20			VN	PR-CU	RF					
BHUA-04	329.74				hJ		25			VN	PR-CU-UN						
BHUA-04	330.07				hJ					VN	UN-IR						
BHUA-04	330.12				hJ					VN	UN-IR						
BHUA-04	330.25				hJ					VN	PR-CU-UN						
BHUA-04	330.36				J		10			VN	UN-CU	RF					
BHUA-04	330.51				hJ		40			VN	PR-CU-UN						
BHUA-04	331.05				hJ					VN	PR-CU-UN						
BHUA-04	331.21				J		15			VN	PR-CU	RF					
BHUA-04	331.31				hJ					VN	UN-IR						
BHUA-04	331.51	331.55			hJ					VN	PR-CU-UN						
BHUA-04	332.46				J		20			VN	PR-CU	RF					
BHUA-04	332.87				J		5			VN	PR-CU-UN	RF					
BHUA-04	333.20	333.28			hJ					VN	PR-CU-UN						
BHUA-04	333.39				V		35			infilled	PR-CU						
BHUA-04	333.47				J		5			VN	UN	RF					
BHUA-04	333.78				hJ		25			VN	PR-CU						
BHUA-04	337.19				J		15			VN	PR-CU	RF					
BHUA-04	337.37	337.52			V					infilled	PR-CU-UN						
BHUA-04	337.73				V		25			infilled	PR-CU						
BHUA-04	337.87	337.89			V					infilled	PR-UN-IR						
BHUA-04	337.94				J		20			VN	PR-CU	RF					
BHUA-04	338.15				J		10			VN	PR-CU-UN	RF					
BHUA-04	338.28				J		30			VN	PR-CU	RF					
BHUA-04	338.36				V		45			infilled	PR-CU						
BHUA-04	338.47				J		20			VN	PR-CU	RF					
BHUA-04	338.55				hJ		10			VN	PR-CU						
BHUA-04	338.94				J		15			VN	PR-CU	RF					
BHUA-04	339.10				J		5			VN	PR-CU-UN	RF					
BHUA-04	339.27				hJ		40			VN	PR-CU						
BHUA-04	339.41				J		35			VN	PR-CU-UN	RF					
BHUA-04	339.54				hJ					VN	CU-PR						
BHUA-04	339.95				V		10			infilled	PR-CU						
BHUA-04	340.12				hJ					VN	PR-CU-UN						
BHUA-04	340.24				hJ					VN	PR-CU-UN						
BHUA-04	340.43				V		30			infilled	PR-CU						
BHUA-04	340.61				J		5			VN	UN	RF					
BHUA-04	340.83				J		30			VN	PR-CU	RF					
BHUA-04	341.06				hJ		30			infilled	PR-CU						
BHUA-04	341.40				hJ					VN	PR-CU-UN						
BHUA-04	341.60				V		30			infilled	PR-CU						
BHUA-04	341.74				hJ		30			VN	PR-CU-UN						
BHUA-04	341.94				hJ					VN	PR-CU-UN						
BHUA-04	342.10				V		40			infilled	PR-CU						
BHUA-04	342.54				J		5			VN	UN-IR	RF					
BHUA-04	342.66				J		25			VN	PR-CU	RF					
BHUA-04	343.41				hJ					VN	PR-CU-UN						
BHUA-04	343.59				hJ		35			VN	PR-CU-UN						
BHUA-04	343.63				hJ					VN	PR-CU-UN						
BHUA-04	343.88				hJ					VN	PR-CU-UN						
BHUA-04	344.03				V		40			infilled	PR-CU						
BHUA-04	344.22				hJ					VN	PR-CU-UN						
BHUA-04	344.24	344.37			V		40			infilled	PR-CU-UN						
BHUA-04	344.89				hJ		35			VN	PR-CU						
BHUA-04	345.07				V					infilled	UN-IR						
BHUA-04	345.37				hJ		25			VN	PR-CU						
BHUA-04	345.53				V		45			infilled	PR-CU						
BHUA-04	345.86				hJ		40			infilled	PR-CU						
BHUA-04	346.09				V		40			infilled	PR-CU						
BHUA-04	346.15				hJ					VN	PR-CU-UN						
BHUA-04	346.58				hJ		30				PR-CU-UN						
BHUA-04	346.84				hJ		45				PR-CU-UN						
BHUA-04	347.06	347.10			hJ					VN	PR-CU-UN						
BHUA-04	347.20				J		15			VN	PR-CU	RF					
BHUA-04	347.59				V		40			infilled	PR-CU-UN						
BHUA-04	347.88	347.93			V		40			infilled	PR-CU						
BHUA-04	348.08				J		10			VN	PR-CU	RF					
BHUA-04	348.09				V		45			infilled	PR-CU						
BHUA-04	348.20				V		45			infilled	PR-CU						
BHUA-04	348.46				J		10			VN	CU-PR	RF					
BHUA-04	348.64				V		40			infilled	PR-CU						
BHUA-04	348.66				J		5			VN	UN-IR	RF					
BHUA-04	348.72	348.87			V		3		multiple veins	infilled	PR-CU-UN						
BHUA-04	349.20				V					infilled	PR-CU						
BHUA-04	349.55				V		45			infilled	PR-CU						
BHUA-04	349.89				hJ					VN	PR-UN-CU						
BHUA-04	350.19				hJ					VN	PR-CU-UN						
BHUA-04	350.63				hJ					VN	PR-CU-UN						
BHUA-04	350.85				hJ					VN	PR-CU-UN						

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	351.00				hJ		35			VN	PR-CU						
BHUA-04	351.01				J		10			VN	PR-CU-UN	RF					
BHUA-04	351.04	351.38			IS		5		with multiple healed joints	infilled	IR						
BHUA-04	351.49				hJ					VN	PR-CU-UN						
BHUA-04	351.54				V					infilled	PR-CU-UN						
BHUA-04	351.66				J		20			VN	PR-CU-UN	RF					
BHUA-04	351.77				hJ		30			VN	PR-CU						
BHUA-04	351.87				hJ					VN	PR-CU-UN						
BHUA-04	352.04				hJ					VN	PR-CU-UN						
BHUA-04	352.20	352.23			hJ					VN	PR-CU-UN						
BHUA-04	352.26				hJ		25			VN	PR-CU						
BHUA-04	352.29				hJ		30			VN	PR-CU						
BHUA-04	352.33				hJ					VN	PR-CU-UN						
BHUA-04	352.39				hJ		40			VN	PR-CU						
BHUA-04	352.42				hJ		30			VN	CU-PR						
BHUA-04	352.65				hJ					VN	PR-CU-UN						
BHUA-04	352.91				hJ					VN	CU-PR-UN						
BHUA-04	353.14				hJ					VN	PR-CU						
BHUA-04	353.40				hJ					VN	PR-CU-UN						
BHUA-04	353.53				hJ					VN	PR-CU-UN						
BHUA-04	353.67				hJ					VN	PR-CU-UN						
BHUA-04	353.84				hJ					VN	PR-CU						
BHUA-04	354.00				hJ		30				PR-CU						
BHUA-04	354.23				hJ		25			VN	PR-CU						
BHUA-04	354.42				J		5			VN	UN	RF					
BHUA-04	354.55				hJ					VN	PR-CU-UN						
BHUA-04	354.64				J		0			VN	UN	RF					
BHUA-04	354.76				hJ					VN	UN-IR						
BHUA-04	354.92				hJ					VN	PR-CU-UN						
BHUA-04	355.09				hJ		40			VN	PR-CU						
BHUA-04	355.26				hJ					VN	CU-PR-UN						
BHUA-04	355.46				hJ					VN	PR-CU-UN						
BHUA-04	355.53				hJ					VN	PR-CU-UN						
BHUA-04	355.62				hJ		30			VN	PR-CU						
BHUA-04	355.67				hJ		35			VN	PR-CU						
BHUA-04	355.95				hJ					VN	PR-CU-UN						
BHUA-04	356.08				hJ					VN	PR-CU-UN						
BHUA-04	356.19				hJ		25			VN	PR-CU						
BHUA-04	356.31				hJ		40				CU-PR						
BHUA-04	356.56				hJ		30				PR-CU						
BHUA-04	356.74				hJ		30			VN	PR-CU						
BHUA-04	356.93				hJ						UN-CU-IR						
BHUA-04	357.10				V		40			infilled	PR-CU						
BHUA-04	357.17				J		20			VN	PR-CU	RF					
BHUA-04	357.29				hJ					VN	PR-CU						
BHUA-04	357.38				hJ					VN	CU-UN-PR						
BHUA-04	357.51				hJ		10				PR-CU						
BHUA-04	357.86				hJ					VN	PR-CU-UN						
BHUA-04	358.11				hJ		15			VN	PR-CU						
BHUA-04	358.20				V		25			infilled	PR-CU-UN						
BHUA-04	358.50				hJ					VN	PR-CU-UN						
BHUA-04	358.55				hJ		20			VN	PR-CU						
BHUA-04	358.94				hJ		10			VN	PR-CU						
BHUA-04	359.12				hJ					VN	PR-CU-UN						
BHUA-04	359.72				J		5			VN	UN-IR	RF					
BHUA-04	359.90				hJ					VN	PR-CU-UN						
BHUA-04	360.10				hJ					VN	PR-CU-UN						
BHUA-04	360.16				J		5			VN	UN	RF					
BHUA-04	360.30				hJ					VN	UN						
BHUA-04	360.37				J		10			VN	PR-CU-UN	RF					
BHUA-04	360.46				hJ					VN	UN-IR						
BHUA-04	360.53				J		5			VN	UN	RF					
BHUA-04	360.83				V		45			VN	CU-PR						
BHUA-04	361.00				hJ		20		pale yl mi	VN-CT	CU	RF		1			
BHUA-04	361.00	361.09			hJ	x2	40		pale yl mi	VN	CU	RF					
BHUA-04	361.00	361.13			hJ		20		wh-Qtz vein		PR	RF					
BHUA-04	361.00	361.21			hJ	x2	40		pale gy mi	VN-CT	PR	RF		2			
BHUA-04	361.00	361.44			hJ	x4	50		pale gy mi	VN-CT	PR	RF		1			
BHUA-04	361.09	361.12			V		40		wh mi					3			
BHUA-04	361.24	361.66			hJ	x2	21		wh mi		PR	RF					
BHUA-04	361.25	361.40			hJ		20		wh mi	VN	PR	RF		4			
BHUA-04	361.44	361.60			hJ		30		wh mi	VN-CT	CU	RF		5			
BHUA-04	361.66	361.72			hJ	x2	60		wh mi	SN	PR	RF					
BHUA-04	361.68				hJ		40		wh mi	VN-CT	CU	RF		2			
BHUA-04	361.71	361.72			hJ	x2	40		pale yl - wh mi	VN-CT	CU	RF		2			
BHUA-04	361.79				hJ		30		pale yl mi	VN	CU	RF		2			
BHUA-04	361.96	361.99			hJ	x2	30		pale yl mi	VN-CT	CU	RF					
BHUA-04	362.00				hJ		50		pale yl mi	VN-CT	CU	RF		1			
BHUA-04	362.00	362.10			hJ	x2	30		pale yl mi	SN	PR	RF					

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	362.20	362.29			hJ	x2	70		pale yl mi	VN-CT	CU	RF		1			
BHUA-04	362.20	362.32			hJ	x2	40			SN	PR	RF					
BHUA-04	362.42	362.52			hJ		60		pale gy wh	VN-CT	CU	RF		2			
BHUA-04	362.64	362.75			hJ	x2	60		pale gy wh	VN-CT	CU	RF		2			
BHUA-04	362.68	362.86			hJ	x2	60		yl mi	VN-CT	CU	RF		1			
BHUA-04	362.86				J		55			CN	CU	RF					
BHUA-04	362.93				hJ		50		yl-gn mi	VN	CU	RF		1			
BHUA-04	363.00				hJ		50		yl-gn mi	VN	UN	RF		1			
BHUA-04	363.00	363.29			hJ	x2	40		yl-gn mi	SN	CU	RF		2			
BHUA-04	363.00	363.59			hJ	x2	40		pale gy mi	VN	PR	RF		1			
BHUA-04	363.00	363.69			hJ	x2	30		pale gy mi	VN	CU	RF		3			
BHUA-04	363.02				hJ		60			VN	CU	RF					
BHUA-04	363.04	363.05			hJ	x2	70			VN	PR	RF					
BHUA-04	363.08				hJ		30		pale gy	VN	PR	RF		1			
BHUA-04	363.09	363.37			hJ	x2	35		pale gy	SN	PR	RF					
BHUA-04	363.23				hJ		20		alteration halo around healed joint	VN-CT	CU	RF					
BHUA-04	363.28	363.33			hJ	x3	40		pale gy wh	VN-CT	CU	RF		1			
BHUA-04	363.29	363.32			hJ	x3	40		pale gy wh	VN	CU	RF		1			
BHUA-04	363.35				hJ		30			infilled	PR	RF					
BHUA-04	363.35	363.41			hJ		40		yl-gy mi	VN	CU	RF		3			
BHUA-04	363.42	363.72			hJ		45		multiple healed joints ranging from 40 to 55 degrees	SN	PR	RF					
BHUA-04	363.46				hJ		40		yl-gn mi	VN	CU	RF		2			
BHUA-04	363.58				hJ		5			VN	PR	RF					
BHUA-04	363.60				hJ		20		pale yl mi	VN	PR	RF		1			
BHUA-04	363.70				hJ		70			VN	PR	RF					
BHUA-04	363.83				hJ		48			VN	CU	RF					
BHUA-04	363.92				hJ		50			VN-CT	PR	RF					
BHUA-04	363.94				hJ		30		pale gy mi	VN	CU	RF		1			
BHUA-04	363.98				hJ		20		pale gy mi	VN	CU	RF		2			
BHUA-04	364.00				DB				pale gy mi	CN	ST	RF		3			
BHUA-04	364.00	364.06			hJ	x2	50		pale gy wh mi	SN	PR	RF		35			
BHUA-04	364.09	364.17			hJ	x2	50		pale gy wh mi	VN	CU	RF		1			
BHUA-04	364.23	364.24			hJ		10		alteration halo of approximately 10mm	VN	CU	RF		10			
BHUA-04	364.32				hJ		50			SN	PR	RF					
BHUA-04	364.49				hJ		50			VN	PR	RF					
BHUA-04	364.50	364.74			AZ					SN	IR-CU						
BHUA-04	364.73	364.76			hJ		60			SN	PR	RF					
BHUA-04	364.89				hJ		60		pale gy wh mi	VN	CU	RF		1			
BHUA-04	364.93				J		30			CN	PR	RF					
BHUA-04	364.95				HB												
BHUA-04	365.00				J		60		pale yl	SN	PR	RF		2			
BHUA-04	365.00	365.16			J		85			CN	PR-UN	RF					
BHUA-04	365.04				J		25			CN	ST-IR	RF					
BHUA-04	365.05	365.21			hJ	x10	15		wh pale yl		CU-UN						
BHUA-04	365.09	365.29			hJ	x4	30		wh pale yl		CU-UN						
BHUA-04	365.15				J		10			CN	ST-IR	RF					
BHUA-04	365.26				J		20			CN	ST-IR	RF					
BHUA-04	365.31	365.43			hJ	x6	40		wh pale yl		CU-UN						
BHUA-04	365.33	365.41			hJ	x4	45		wh pale yl		CU-UN						
BHUA-04	365.46				hJ		50			SN	PR	RF					
BHUA-04	365.47				J		10			CN	CU-UN	RF					
BHUA-04	365.47	365.64			hJ	x2	15		wh pale yl		CU-UN			3			
BHUA-04	365.56	365.60			hJ	x5	10		wh pale yl		CU-UN						
BHUA-04	365.63				V		60		Qtz vein	SN	CU	RF					
BHUA-04	365.67				hJ	x4	25		wh pale yl		CU-UN						
BHUA-04	365.69				hJ		7		wh pale yl		CU-UN						
BHUA-04	365.77	365.81			hJ	x2	25		wh pale yl		CU-UN						
BHUA-04	365.84	366.00			hJ	x2	85		wh pale yl		CU-UN						
BHUA-04	365.88	365.93			hJ	x2	25		wh pale yl		CU-UN						
BHUA-04	365.94				hJ		15		wh pale yl		CU-UN						
BHUA-04	366.00				J		50		wh pale yl mi	SN	PR	RF		2			
BHUA-04	366.00	366.17			hJ	x7	55		wh pale yl		CU-UN						
BHUA-04	366.09	366.24			hJ	x3	45		wh pale yl		CU-UN						
BHUA-04	366.21	366.28			hJ	x4	50		wh pale yl		CU-UN						
BHUA-04	366.28				J		45			CT	PR	RF		1			
BHUA-04	366.33	366.35			hJ	x3	30		wh pale yl		CU-UN						
BHUA-04	366.39	366.65			hJ		40		Multiple microfractures and veins ranging from 30 to	SN	PR	RF					
BHUA-04	366.40				J		5			CN	UN-ST	RF					
BHUA-04	366.41	366.62			hJ	x12	55		wh pale yl		CU-UN						
BHUA-04	366.59				hJ		45		wh pale yl		CU-UN						
BHUA-04	366.78	366.83			J		15			CN	CU-UN	RF					
BHUA-04	366.78	367.00			J		90			CN	CU-UN	RF					
BHUA-04	366.79	366.92			hJ		50				CU-UN						
BHUA-04	366.93	366.95			hJ	x4	45				CU-UN						
BHUA-04	367.00				J		50		wh pale yl mi	SN	PR	RF		2			
BHUA-04	367.00	367.43			hJ	x4	90		wh pale yl		CU-UN						
BHUA-04	367.03	367.12			hJ	x2	50		wh pale yl		CU-UN						
BHUA-04	367.19	367.24			DB		5			CN	CU-UN	RF					
BHUA-04	367.25	367.40			hJ	x3	25		healed joints as microfractures	SN	PR	RF					

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	367.26	367.44			hJ	x3	45		wh pale yl		CU-UN						
BHUA-04	367.36				J		10			CN	ST-IR	RF					
BHUA-04	367.44	367.49			J		25			CN	ST-IR	RF					
BHUA-04	367.45	367.57			J		90			CN	PR	SM					
BHUA-04	367.46	367.71			hJ		87		wh pale yl		PR-UN						
BHUA-04	367.49	367.53			hJ	x2	20		wh pale yl		CU-UN						
BHUA-04	367.68	367.81			hJ		80		wh pale yl		CU-UN						
BHUA-04	367.71	368.00			SS		20		cross cutting though healed joints and veins	SN	PR	RF					
BHUA-04	367.72				V		80		wh pale yl	SN	PR	SM		5			
BHUA-04	367.72	367.97			hJ	x4	20		wh pale yl		CU-UN						
BHUA-04	367.73	368.14			V		90		wh mi		PR-UN			3			
BHUA-04	367.74				hJ		40		wh pale yl		CU-UN						
BHUA-04	367.81				hJ		45		wh pale yl	SN	PR	RF		5			
BHUA-04	367.82	368.00			hJ		10			SN	PR	RF					
BHUA-04	368.00	368.13			V		10		Qtz Vein	CN	CU	RF					
BHUA-04	368.00	368.67			hJ		30			SN	PR	RF					
BHUA-04	368.10	368.19			V		40			SN	PR	RF					
BHUA-04	368.11	368.23			hJ	x4	50		wh pale yl		CU-UN						
BHUA-04	368.20	368.26			hJ	x2	65		wh pale yl		CU-UN						
BHUA-04	368.27				J		40		wh pale yl mi	CN	PR	RF		1			
BHUA-04	368.30	368.37			hJ	x4	45		wh pale yl		CU-UN						
BHUA-04	368.38				hJ		60		wh pale yl		CU-UN						
BHUA-04	368.43				J		30		wh pale yl mi	CN	PR	RF		1			
BHUA-04	368.46	368.52			hJ	x2	50		wh pale yl	SN	PR	RF					
BHUA-04	368.47	368.57			hJ	x3	60		wh pale yl		CU-UN						
BHUA-04	368.48	368.55			hJ		85		wh pale yl		UN-ST						
BHUA-04	368.57	368.63			hJ	x5	5		wh pale yl		CU-UN						
BHUA-04	368.58				hJ	x2	75		wh pale yl		CU-UN						
BHUA-04	368.60	368.65			hJ	x3	70		wh pale yl		CU-UN						
BHUA-04	368.66	368.69			hJ	x3	55		wh pale yl		CU-UN						
BHUA-04	368.69	368.89			AZ		45		yl - gn alteration zone	VN	UN-IR						
BHUA-04	368.93				J		10			SN	ST-IR	VR					
BHUA-04	368.93	368.97			V		35		altered Qtz vein	SN	PR	RF					
BHUA-04	368.94	368.97			hJ	x3	45		wh pale yl		CU-UN						
BHUA-04	369.00				hJ		30			VN	UN	RF					
BHUA-04	369.13				hJ	x2	50		wh pale yl	VN	CU	RF		2			
BHUA-04	369.15	369.23			hJ		30		wh pale yl	VN	CU	RF		1			
BHUA-04	369.28				hJ		70		wh pale yl	VN-CT	PR	RF		1			
BHUA-04	369.36				hJ		50		wh pale yl	VN-CT	PR	RF		5			
BHUA-04	369.44				hJ		25			VN	CU	RF		20			
BHUA-04	369.45				hJ		48		wh pale yl	VN	CU	RF		2			
BHUA-04	369.50	369.57			hJ	x2	25		wh pale yl	VN	CU	RF		5			
BHUA-04	369.63				hJ		45			VN-CT	CU	RF					
BHUA-04	369.68				hJ		40			CT-VN	CU	RF					
BHUA-04	369.80	369.81			hJ		40		wh pale yl	VN	CU	RF		2			
BHUA-04	369.88				hJ		5			VN	PR	RF					
BHUA-04	369.94	369.97			hJ		20		wh pale yl	VN	CU	RF		2			
BHUA-04	370.00				hJ		10			VN	PR	RF					
BHUA-04	370.04				hJ		30		wh pale yl	VN-CT	CU	RF		1			
BHUA-04	370.14				hJ		40		wh pale yl	VN	CU	RF		1			
BHUA-04	370.30				hJ		40		wh pale yl	VN	CU	RF		3			
BHUA-04	370.32				hJ		25		wh pale yl	VN	PR	RF		2			
BHUA-04	370.94				hJ		30			VN	CU	RF					
BHUA-04	371.00				hJ		50			VN	PR	RF					
BHUA-04	371.06				hJ		60		Alteration halo	VN	UN	RF					
BHUA-04	371.10				J		50		wh pale yl mi	VN	PR	RF		1			
BHUA-04	371.18				hJ		40		Older healed joint, not altered	VN	CU	RF					
BHUA-04	371.22				DB				wh plaey yl	VN	PR	RF		1			
BHUA-04	371.78	371.79			hJ	x2	60		wh plaey yl	VN	PR	RF		1			
BHUA-04	372.00				hJ		40			VN	CU	RF					
BHUA-04	372.47				hJ		45		older joint, not altered	VN	CU	RF		2			
BHUA-04	372.67				hJ		35		wh plaey yl	VN	CU	RF		4			
BHUA-04	372.79				hJ		55			VN	PR	RF					
BHUA-04	372.84				hJ		45		wh plaey yl	VN	CU	RF		2			
BHUA-04	373.15	373.24			hJ	x5	25		wh plaey yl	VN	CU	RF		1			
BHUA-04	373.28				hJ		50			VN	CU	RF					
BHUA-04	373.79				hJ		35		wh plaey yl	VN	CU	RF		1			
BHUA-04	373.85				hJ		20		wh plaey yl	VN	PR	RF		1			
BHUA-04	373.86				hJ		40		wh plaey ylalteration halo	VN	PR	RF		1			
BHUA-04	374.00				hJ		55		wh plaey yl	VN	PR	RF		1			
BHUA-04	374.22				hJ		45			VN	PR	RF					
BHUA-04	374.32				hJ		50		wh plaey yl	VN	PR	RF					
BHUA-04	374.34				hJ		35		wh plaey yl	VN	PR	RF					
BHUA-04	374.54				hJ		70			VN	PR	RF					
BHUA-04	374.55				hJ		70			VN	PR	RF					
BHUA-04	374.75				hJ		50		wh plaey yl	VN-CT	PR	RF		2			
BHUA-04	374.77				DB		65			CN	CU	RF		1			
BHUA-04	374.85	374.86			hJ	x2	50		wh plaey yl	VN	PR	RF		1			
BHUA-04	374.87				hJ		60			VN	PR	RF					

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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
BHUA-04	374.95				hJ		55			VN	PR	RF					
BHUA-04	375.09				hJ		45			VN	CU	RF					
BHUA-04	375.35				hJ		30			VN	CU	RF					
BHUA-04	375.55				hJ		40			VN	PR	RF					
BHUA-04	375.64				hJ		40			VN	CU	RF					
BHUA-04	375.68				hJ		35		wh plaey yl	VN	CU-UN	RF		5			
BHUA-04	375.90				hJ		20			VN	PR	RF					
BHUA-04	376.15				hJ		40		wh plaey yl	VN	PR	RF		1			
BHUA-04	376.21				hJ		45			VN	CU	RF					
BHUA-04	376.32				hJ		35		wh plaey yl	CN	CU	RF		1			
BHUA-04	376.52				hJ		60		wh plaey yl	VN	CU	RF		2			
BHUA-04	376.56	376.57			HB												
BHUA-04	376.61				hJ		50		wh plaey yl	VN	CU	RF		5			
BHUA-04	376.68				hJ		60		wh plaey yl	VN	CU	RF		3			
BHUA-04	376.70	376.72			hJ	x2	35		x2, up to 1mm	CN	PR	RF					
BHUA-04	376.90				hJ		30			VN	PR	RF					
BHUA-04	376.92				hJ		30		wh plaey yl	VN	PR	RF		3			
BHUA-04	377.00	377.19			hJ		87		wh mi		PR-UN						
BHUA-04	377.13				V		75		wh plaey yl		PR-UN			3			
BHUA-04	377.23	377.26			hJ	x2	45		wh plaey yl		PR-CU						
BHUA-04	377.25				V		65		pale yl	VN	UN-ST			4			
BHUA-04	377.26	377.34			hJ	x2	55		pale yl		UN						
BHUA-04	377.44				J		25			CN	PR-CU	RF					
BHUA-04	377.51	377.56			V		65		pale yl	VN	UN-ST			4			
BHUA-04	377.53	377.62			hJ	x2	45		wh plaey yl		CU-UN						
BHUA-04	377.73	378.00			hJ	x2	50		wh plaey yl		PR-CU						
BHUA-04	377.80	377.82			hJ	x2	40		wh plaey yl		PR-CU						
BHUA-04	378.00	378.15			hJ	x2	45		wh plaey yl		PR-CU						
BHUA-04	378.34	378.37			hJ	x2	25		dark gy		PR-CU						
BHUA-04	378.48	378.51			hJ	x2	35		wh plaey yl		PR-CU						
BHUA-04	378.53	378.63			hJ	x3	65		wh plaey yl		PR-CU						
BHUA-04	378.73				J		25			CN	PR-UN	RF					
BHUA-04	379.15	379.20			hJ	x2	60		wh plaey yl		PR-CU						
BHUA-04	379.30	379.31			hJ	x3	55		wh plaey yl		PR-CU			4			
BHUA-04	379.31	379.34			hJ	x2	45		wh plaey yl		PR-CU						
BHUA-04	379.40	379.60			V		75		wh plaey yl	VN	PR-CU			4			
BHUA-04	380.06	380.24			hJ	x2	70		wh plaey yl		PR-UN						
BHUA-04	380.25				hJ	x2	75		wh plaey yl		PR						
BHUA-04	380.56	380.72			hJ	x2	45		dark gy		PR						
BHUA-04	380.76	380.95			hJ	x2	70		wh plaey yl		PR-CU						
BHUA-04	380.95	381.00			hJ	x2	75		wh plaey yl		PR						
BHUA-04	381.05				V		70		pale yl	VN	PR-CU			20			
BHUA-04	381.10				hJ		10		pale yl	VN	PR-CU						
BHUA-04	381.21	381.48			hJ	x6	70		dark gy	VN	PR-CU						
BHUA-04	381.49				J		20			CN	CU-UN	RF					
BHUA-04	381.76				J		15			CN	CU-UN	RF					
BHUA-04	381.88				hJ		10		pale yl		PR						
BHUA-04	382.20				hJ		60		pale yl	VN	UN						
BHUA-04	382.28				V		45		pale yl	VN	PR			5			
BHUA-04	382.30	382.59			hJ	x3	50		pale yl	VN	CU-UN						
BHUA-04	382.42	382.60			hJ	x3	85		pale yl	VN	UN-ST						
BHUA-04	382.70				hJ		70										
BHUA-04	382.90	382.94			hJ		70										
BHUA-04	383.12				V		45										
BHUA-04	383.15				V		45		dark green x30mm	VN	CU			30			
BHUA-04	383.31	383.61			hJ	x4	85		pale yl	VN	UN-ST						
BHUA-04	383.66	383.70			hJ	x3	80		pale yl	VN	UN-ST						
BHUA-04	383.72				hJs		70		pale yl mi	CT	PR-UN	RF					
BHUA-04	384.21				hJ		45										
BHUA-04	384.22				J		45			CN	UN-ST	RF					
BHUA-04	384.23				hJ		25			CN	PR	RF					
BHUA-04	384.25	384.39			hJ	x3	50		pale yl	VN	UN-ST						
BHUA-04	384.47				V	x4	65		pale yl	VN	CU-UN						
BHUA-04	384.61				hJ		85										
BHUA-04	384.63				J		15			CN	UN-ST	RF					
BHUA-04	384.66				hJ		45										
BHUA-04	384.75				J		5			CN	ST-IR	VR					
BHUA-04	384.76	384.79			hJ	x2	30		dark gy	VN	PR-CU						
BHUA-04	384.89	384.99			hJ	x5	50		pale yl	VN	PR-CU						
BHUA-04	385.06	385.19			hJ	x2	60		dark gy	VN	UN-ST						
BHUA-04	385.42	385.51			hJ	x2	60		dark gy	VN	UN-ST						
BHUA-04	385.70				hJ		75										
BHUA-04	385.86				hJ		85										
BHUA-04	386.04	386.11			hJ		65		dark gy	VN	PR						
BHUA-04	386.11				CO		55		Lamprophyre/alterated granite								
BHUA-04	386.13	386.31			hJ	x5	75		pale yl	VN	UN-ST						
BHUA-04	386.14				J		60			VN	ST-IR	RF-SM					
BHUA-04	386.14	386.16			hJ	x3	65		wh	VN	CU-UN						
BHUA-04	386.19				J		40			VN	ST-IR	RF-SM					

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	386.23				J		50			CN	ST-IR	VR-RF					
BHUA-04	386.34				hJ		55										
BHUA-04	386.55	386.65			hJ		65										
BHUA-04	386.56	386.71			hJ	x6	60		pale yl	VN	PR						
BHUA-04	386.74				CO		50		Lamprophyre/alterated granite								
BHUA-04	386.76				J		50			VN	ST-IR	SM					
BHUA-04	386.81	386.92			hJ	x3	75		dark gy	VN	UN-ST						
BHUA-04	386.87				hJ		90		wh	VN	PR-UN						
BHUA-04	386.90				J		5			CN	ST-IR	VR					
BHUA-04	386.93	387.00			hJ	x2	50		pale yl	VN	UN						
BHUA-04	387.00	387.06			hJ	x2	70		pale yl	VN	UN-ST						
BHUA-04	387.00	387.69			hJ		85		wh	VN	UN-ST			3			
BHUA-04	387.06	387.25			hJ	x5	35		pale yl	VN	CU-UN						
BHUA-04	387.34				hJ		90										
BHUA-04	387.35	387.46			hJ	x4	75		pale yl	VN	CU-UN						
BHUA-04	387.40	387.58			hJ	x5	30		pale yl	VN	CU-UN						
BHUA-04	387.50				hJ		45										
BHUA-04	387.55	387.60			hJ	x3	50		pale yl	VN	CU-UN						
BHUA-04	387.65				J		10			CN	ST-IR	VR					
BHUA-04	387.70	387.72			hJ	x5	35		pale yl	VN	CU-UN						
BHUA-04	387.78				J		10			CN	ST-IR	VR					
BHUA-04	387.84	387.94			hJ	x4	5		pale yl	VN	CU-UN						
BHUA-04	387.87	388.00			hJ	x3	15		pale yl	VN	CU-UN						
BHUA-04	388.32	388.43			hJ	x4	45		pale yl	VN	CU-UN			4			
BHUA-04	388.47				V		50		pale yl	VN	CU-UN			10			
BHUA-04	388.50	388.73			hJ	x3	55		pale yl	VN	CU-UN						
BHUA-04	388.72				hJ		35										
BHUA-04	388.77	388.88			hJ	x2	60		wh pale yl	VN	PR-ST						
BHUA-04	389.23				hJ		50										
BHUA-04	389.65				hJ		0			VN	PR	RF					
BHUA-04	389.71				hJ		10										
BHUA-04	389.75				DB												
BHUA-04	389.75	389.98			hJ		20		Mafic infill	VN	PR	RF					
BHUA-04	390.00				hJ				infilled with chlorite	VN	PR	RF					
BHUA-04	390.02	390.23			hJ	x3	40		pale gn yl mi	VN	PR	RF		1			
BHUA-04	390.30				hJ		30		blk, mafic infill	VN	PR	RF					
BHUA-04	390.59	390.69			J		15			CN	PR	SM					
BHUA-04	390.76				DB												
BHUA-04	391.15				J		30		wh plaey yl	CN	PR	RF					
BHUA-04	391.30				hJ		20			VN	PR	RF					
BHUA-04	391.42	391.56			hJ	x3	65		gn - yl mi	VN	PR	RF		1			
BHUA-04	391.59				hJ		40										
BHUA-04	391.73				hJ		5										
BHUA-04	391.91				hJ		60		gn - yl mi	SN	PR	RF		1			
BHUA-04	392.11				hJ		55										
BHUA-04	392.39				J		35			CN	PR	RF					
BHUA-04	392.51				hJ		45		gn - yl mi	VN	PR	RF		1			
BHUA-04	392.62				hJ		30			VN	PR	RF					
BHUA-04	392.75				hJ		45			VN	PR	RF					
BHUA-04	392.90				hJ		10			VN	PR	RF					
BHUA-04	392.96				hJ		10			VN	PR	RF					
BHUA-04	393.14				V		40		Wh mi					2			
BHUA-04	393.22				hJ		90			VN	PR	RF					
BHUA-04	393.29				V		60		wh - yl mi					1			
BHUA-04	393.51				J		55		wh - yl mi	CN	UN-PR	RF		5			
BHUA-04	393.63				hJ				gn - yl mi	VN	PR	RF		1			
BHUA-04	393.81				DB												
BHUA-04	393.81	393.97			hJ	x2	10		gn - yl mi	VN	PR	RF		1			
BHUA-04	394.12				hJ		20		gn - yl mi	VN	PR	RF		2			
BHUA-04	394.18				hJ		10		gn - yl mi	VN	PR	RF		1			
BHUA-04	394.32				J		40			VN	PR	RF					
BHUA-04	394.38				hJ		75			VN	PR	RF					
BHUA-04	394.39	394.44			hJ	x2	25		gn - yl mi	VN	PR	RF		1			
BHUA-04	394.49	394.53			hJ	x2	45		alteration halo	VN	UN	RF		5			
BHUA-04	394.62				hJ					VN	PR	RF					
BHUA-04	394.65				hJ		15			VN	CU	RF					
BHUA-04	394.68	394.72			hJ		25			VN	PR	RF					
BHUA-04	394.87				hJ		70			VN	UN	RF					
BHUA-04	395.00				hJ		70			VN	CU	RF					
BHUA-04	395.10	395.35			hJ		70										
BHUA-04	395.55				hJ		65										
BHUA-04	395.76				hJ		80										
BHUA-04	396.00	396.13			hJ	x2	25			VN	CU	RF					
BHUA-04	396.30				hJ		50			VN	CU	RF					
BHUA-04	396.41				hJ		35		gn - yl mi	VN	CU	RF		2			
BHUA-04	396.42				hJ		75										
BHUA-04	396.48				hJ		20			VN	PR	RF					
BHUA-04	396.61	396.66			hJ	x3	35		gn - yl mi	VN	CU	RF					
BHUA-04	396.72	396.78			hJ	x2	60		gn - yl mi	VN-CT	CU	RF					

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	396.73				hJ		40										
BHUA-04	396.80	396.81			hJ	x2	40		gn - yl mi	VN	CU	RF					
BHUA-04	396.81				DB												
BHUA-04	396.81	396.89			CO				contact with granite and lamprophyre; approximately 80mm								
BHUA-04	396.85				hJ		50										
BHUA-04	396.89	397.00			hJ	x2	5		gn - yl mi	VN-CT	PR	RF					
BHUA-04	396.91	396.99			hJ	x2	60		gn - yl mi	VN-CT	CU	RF					
BHUA-04	397.04				hJ		5										
BHUA-04	397.08	397.14			hJ	x2	15		wh pale yl	VN	CU-UN						
BHUA-04	397.31				hJ		5										
BHUA-04	397.31	397.42			hJ	x6	10		wh pale yl	VN	CU-UN						
BHUA-04	397.50	397.55			hJ	x4	15		wh pale yl	VN	CU-UN						
BHUA-04	397.65	397.67			hJ	x2	20		wh pale yl	VN	CU-UN						
BHUA-04	397.75	397.93			hJ	x4	55		wh pale yl	VN	CU-UN						
BHUA-04	397.76				hJ		80										
BHUA-04	398.00	398.22			hJ	x7	50		wh pale yl	VN	CU-UN						
BHUA-04	398.04	398.27			hJ		60										
BHUA-04	398.16	398.26			hJ	x4	25		wh pale yl	VN	CU-UN						
BHUA-04	398.25	398.26			hJ	x2	15		wh pale yl	VN	CU-UN						
BHUA-04	398.26	398.27			hJ	x4	20		wh pale yl	VN	CU-UN						
BHUA-04	398.30				hJ		10		lamprophyre/alterated granite	VN	PR						
BHUA-04	398.34	398.48			hJ	x4	45		wh pale yl	VN	UN-ST						
BHUA-04	398.44	398.68			hJ		60										
BHUA-04	398.54	398.58			hJ	x4	20		wh pale yl	VN	CU-UN						
BHUA-04	398.63	398.67			hJ	x3	45		wh pale yl	VN	CU-UN						
BHUA-04	398.64	398.65			hJ	x2	50		wh pale yl	VN	CU-UN						
BHUA-04	398.70	398.87			hJ	x3	35		wh pale yl	VN	CU-UN						
BHUA-04	398.77				hJ		50		wh pale yl	VN	CU-UN						
BHUA-04	398.88				J		5			VN	ST-IR	VR					
BHUA-04	399.01				hJ		25		wh pale yl	VN	PR-UN						
BHUA-04	399.02				hJ		90		wh pale yl	VN	PR-UN						
BHUA-04	399.04				V		65		wh pale yl	VN	PR-UN			3			
BHUA-04	399.05	399.21			hJ	x5	45		wh pale yl	VN	CU-UN						
BHUA-04	399.27				J		40			VN	ST-IR	RF					
BHUA-04	399.36	399.63			hJ	x15	45		wh pale yl	VN	CU-UN						
BHUA-04	399.50	399.74			hJ	x4	75		wh pale yl	VN	CU-UN						
BHUA-04	399.55				J		5			VN	ST-IR	RF					
BHUA-04	399.74				J		5			VN	ST-IR	RF					
BHUA-04	399.81				hJ		70		wh pale yl	VN	CU-UN						
BHUA-04	399.94				hJ		70										
BHUA-04	400.05	400.24			hJ	x4	30		wh pale yl	VN	CU-UN						
BHUA-04	400.10	400.20			hJ	x4	65		dark gy	VN	CU-UN						
BHUA-04	400.27				hJ		45										
BHUA-04	400.39	400.62			hJ	x3	40		wh pale yl	VN	CU-UN						
BHUA-04	400.59	400.86			hJ	x3	40		dark gy	VN	CU-UN						
BHUA-04	400.62				hJ		40										
BHUA-04	400.75	400.87			hJ	x5	45		wh pale yl	VN	CU-UN						
BHUA-04	401.00	401.27			hJ	x6	65		dark gy	VN	UN						
BHUA-04	401.25				hJ		45										
BHUA-04	401.35				hJ		45										
BHUA-04	401.43				hJ		45										
BHUA-04	401.49	401.58			hJ	x4	50		dark gy	VN	PR-CU						
BHUA-04	402.00	402.04			hJ	x4	40		dark gy	VN	PR						
BHUA-04	402.18	402.26			hJ	x6	35		wh-gn mi	VN	PR						
BHUA-04	402.19				hJ		65										
BHUA-04	402.19	402.27			hJ	x6	70		wh-gn mi	VN	PR						
BHUA-04	402.53				hJ		80										
BHUA-04	402.60				V		50		wh-gn mi	VN	PR-CU			15			
BHUA-04	403.00	403.12			hJ	x2	75		dark gy	VN	PR						
BHUA-04	404.06	404.43			hJ	x8	70		dark gy	VN	PR-CU						
BHUA-04	404.32	404.58			hJ		55										
BHUA-04	404.55	404.79			hJ	x7	75		dark gy	VN	PR-CU						
BHUA-04	404.84				hJ		60										
BHUA-04	404.86				J		5			CN	UN-ST	RF					
BHUA-04	405.04				hJ		40		pale yl		PR						
BHUA-04	405.11				J		5			CN	PR	RF					
BHUA-04	405.22				hJ		55		Qtz mi		PR						
BHUA-04	405.47				hJ		40		pale yl		PR						
BHUA-04	405.50	405.74			V	x3	60		bk mi		PR			2			
BHUA-04	405.82				hJ		10		pale yl		PR						
BHUA-04	405.86	405.94			hJ		30		pale yl		PR						
BHUA-04	406.00				hJ		60		pale yl		PR						
BHUA-04	406.22				hJ		20		pale yl		PR						
BHUA-04	406.35	406.65			V	x2	60		pale yl		PR			3			
BHUA-04	406.57				hJ		60		bk pale yl		PR						
BHUA-04	406.64				hJ		70		pale yl		UN			3			
BHUA-04	406.76				hJ		60		bk mi		PR						
BHUA-04	406.87	407.42			hJ	x5	60		pale yl		PR						
BHUA-04	407.00				V		85		Qtz mi	VN	CU	RF		1			

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	407.23				hJ		60		pale yl		PR			2			
BHUA-04	407.27	407.40			hJ	x3	60		bk mi		PR						
BHUA-04	407.43				hJ		70		Qtzz mi		PR						
BHUA-04	407.53				V		45		pale yl		PR			3			
BHUA-04	407.57	407.72			V	x2	50		bk mi		PR			2			
BHUA-04	407.67				hJ	x2	80		Qtz mi		PR						
BHUA-04	407.70				hJ		80		bk mi		PR						
BHUA-04	407.85	408.10			V	x2	70		pale yl, gn alteration		PR			2			
BHUA-04	408.05				V		40		pale yl, gn alteration		PR			2			
BHUA-04	408.06	408.30			V	x4	60		pale yl, gn alteration		PR			2			
BHUA-04	408.30				J		70		Qtz, with pk alteration	VN	PR-CU	RF		4			
BHUA-04	408.34				hJ		10		bk mi		PR						
BHUA-04	408.39				J		10			CN	IR	RF					
BHUA-04	408.42				J		70			CN	CU	RF					
BHUA-04	408.52				hJ		50		pale yl		PR						
BHUA-04	408.71				hJ		90		Qtz mi		PR						
BHUA-04	408.80				hJ		50		pale yl		PR						
BHUA-04	408.84				hJ		80		pale yl		PR						
BHUA-04	408.90				hJ		60		pale yl		PR						
BHUA-04	409.10				V		50		Qtz, pale yl		PR			2			
BHUA-04	409.12				V		85		Qtz mi		PR						
BHUA-04	409.40	409.85			hJ		85		Qtz mi		PR						
BHUA-04	409.49				hJ		10		pale yl		PR						
BHUA-04	409.54				J		10		pale yl	CN	PR	RF		2			
BHUA-04	410.03				V		60				PR						
BHUA-04	410.42				hJ		90		wh		PR						
BHUA-04	410.47				hJ		20		pale yl		PR						
BHUA-04	410.59	410.64			V		30		pale yl		PR			1			
BHUA-04	410.70				hJ	x4	30		white x4		PR						
BHUA-04	410.76	411.20			V	x2	85		Qtz mi		UN						
BHUA-04	411.05				V		60		Qtz mi pale yl		PR			1			
BHUA-04	411.16				V		60		Qtz mi pale yl		PR			5			
BHUA-04	411.30				V		80		Qtz mi		UN			1			
BHUA-04	411.32				J		5			CN	PR-IR	RF					
BHUA-04	411.46				J		70			CN	IR	VR					
BHUA-04	411.60				hJ	x3	90		Qtz mi		UN						
BHUA-04	411.67				J		30			CN	IR	RF					
BHUA-04	411.86				V		90		Qtz mi		UN			2			
BHUA-04	411.91				hJ		60		pale yl		PR						
BHUA-04	412.00				V		70		Qtz mi with alteration halo		CU			5			
BHUA-04	412.10				hJ		70		Qtz mi		UN						
BHUA-04	412.15	412.60			V		85		Qtz mi		PR-CU			1			
BHUA-04	412.25				hJ		60		Qtz mi		UN			2			
BHUA-04	412.27				hJ		60		Qtz mi with alteration halo		PR						
BHUA-04	412.48				J		5			CN	CU	RF					
BHUA-04	412.65	413.00			V	x3	80		Qtz with pale yl alteration halo		PR-CU			3			
BHUA-04	413.08	413.20			hJ	x5	10		pale yl		PR						
BHUA-04	413.35				hJ		90		Qtz mi		PR						
BHUA-04	413.36				J		30			CN	ST	RF					
BHUA-04	413.46				V		60		Qtz mi		UN			3			
BHUA-04	413.55				hJ		70		pale yl		PR						
BHUA-04	413.60				hJ		60		pale yl		PR						
BHUA-04	413.65				hJ		80		pale yl		PR						
BHUA-04	413.78				J		45			CN	PR	RF					
BHUA-04	413.89	414.12			V	x2	80		Qtz mi		UN			2			
BHUA-04	414.11				hJ		20		pale yl		PR						
BHUA-04	414.16				J		60		Qtz mi	VN	PR	RF					
BHUA-04	414.23				J		20			CN	PR	RF					
BHUA-04	414.24				J		70		Qtz mi	VN	PR	RF					
BHUA-04	414.45				hJ		80		Qtz mi		UN						
BHUA-04	415.12	415.28			hJ	x2	25		Qtz mi		PR						
BHUA-04	415.40				V		60		Qtz with pale yl halo		PR			3			
BHUA-04	415.58	416.00			hJ	x8	30		pale yl		PR						
BHUA-04	415.76				J		20			CN	PR	RF					
BHUA-04	415.84				hJ		90		pale yl		PR						
BHUA-04	416.00	416.20			hJ	x4	60		pale yl		PR						
BHUA-04	416.07				J		10			CN	PR	RF					
BHUA-04	416.15	416.60			hJ	x6	30		Qtz mi		PR						
BHUA-04	416.35				V		80		pale yl		PR			3			
BHUA-04	416.45				hJ		90		Qtz mi		PR						
BHUA-04	416.54	417.00			V		90		pale yl and gn vein set dipping 60 to 90		UN						
BHUA-04	416.62				J		45			CN	PR-CU	RF					
BHUA-04	416.75				J		20			CN	PR-CU	RF					
BHUA-04	416.86				V		80		Qtz with rd oxidation halo		UN			3			
BHUA-04	417.00				V		90		Qtz with rd oxidation halo		ST			3			
BHUA-04	417.18				J		30		Qtz with rd mi	VN	PR	RF		3			
BHUA-04	417.20				hJ		90		pale yl		PR			2			
BHUA-04	417.38	417.52			hJ		60		Qtz with rd oxidation halo		PR						
BHUA-04	417.51				hJ		20			CN	PR-CU	RF					

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	417.53				hJ		90		pale yl		PR						
BHUA-04	417.58				hJ		70		Qtz mi		PR						
BHUA-04	417.72				hJ	x3	70		Qtz mi		PR						
BHUA-04	417.78				hJ	x3	10		bk		PR						
BHUA-04	417.90				V		60		Qtz mi		PR			2			
BHUA-04	418.00				hJ		80		pale yl		PR						
BHUA-04	418.05				hJ	x3	20		Qtz mi		PR						
BHUA-04	418.15				J		20			CN	PR-IR	RF					
BHUA-04	418.25				hJ		60		bkmi		PR						
BHUA-04	418.35				hJ	x2	30		Qtz mi		PR						
BHUA-04	418.55				V		30		Qtz mi		PR			2			
BHUA-04	418.60				V	x5	60		bk mi		PR						
BHUA-04	418.85				hJ		30		bk mi		PR						
BHUA-04	418.92				J		30			CN	ST	RF					
BHUA-04	418.95				hJ		60		gn pale yl		PR						
BHUA-04	419.03				V		70		gn pale yl		CU			8			
BHUA-04	419.04				V		80		gn pale yl		UN			3			
BHUA-04	419.14				hJ		60		Qtz mi		PR						
BHUA-04	419.17				V		70		Qtz mi		PR			2			
BHUA-04	419.25				J		20			CN	IR	VR					
BHUA-04	419.45	419.64			V	x2	60		gn mi		CU			3			
BHUA-04	419.58				J		45			CN	CU	RF					
BHUA-04	419.70				hJ		45		pale yl		PR						
BHUA-04	419.75				V		60		Qtz mi		CU			5			
BHUA-04	419.84				hJ		60		pale yl		PR						
BHUA-04	419.96				V	x2	80		Qtz mi		ST			2			
BHUA-04	420.13				hJ		60		pale yl		PR						
BHUA-04	420.18	420.46			V	x3	85		Qtz with bk halo		PR-ST			3			
BHUA-04	420.45				V		60		Qtz mi		PR			2			
BHUA-04	420.55				J		45			CN	IR	VR					
BHUA-04	420.67				V		70		Qtz mi		PR-ST			10			
BHUA-04	420.95				J		30			CN	PR-UN	RF					
BHUA-04	421.05				J		30			CN	PR-UN	RF					
BHUA-04	421.20				J		30			CN	PR-CU	RF					
BHUA-04	421.23	421.45			hJ		70		pale yl		PR						
BHUA-04	421.35				J		20			CN	PR	RF					
BHUA-04	421.54				J		30			CN	ST-IR	RF					
BHUA-04	421.57				hJ		60		pale yl		PR						
BHUA-04	421.80				V		45		pale yl		PR			2			
BHUA-04	421.85				J		45			CN	PR	RF					
BHUA-04	421.90				hJ	x2	60		pale yl		PR						
BHUA-04	422.00				hJ		45				PR						
BHUA-04	422.08				V		70		pale yl		PR			2			
BHUA-04	422.20				J		10			CN	PR-CU	RF					
BHUA-04	422.22	422.80			hJ	x5	60		pale yl		PR			1			
BHUA-04	422.23				hJ		70		pale yl		PR						
BHUA-04	422.25				hJ	x2	90		Qtz mi		PR-IR						
BHUA-04	422.35				hJ	x3	45		pale yl		PR						
BHUA-04	422.43				J		10			CN	PR	RF					
BHUA-04	422.64				V		30		pale yl		PR			3			
BHUA-04	422.70				J		10			CN	IR	RF					
BHUA-04	422.84				J		10			CN	ST	RF					
BHUA-04	422.85				hJ		70		pale yl		PR						
BHUA-04	423.02	423.50			hJ	x18	30		pale yl		PR						
BHUA-04	423.34				J		20			CN	ST	RF					
BHUA-04	423.44				hJ		85		pale yl		PR						
BHUA-04	423.50				hJ		45		pale yl		PR						
BHUA-04	423.61	424.00			V	x2	30		pale yl		PR			2			
BHUA-04	423.67				J		20			CN	IR	RF					
BHUA-04	423.80				hJ		40		wh		CU						
BHUA-04	424.00	424.60			V		90		Qtz		PR			1			
BHUA-04	424.40	424.82			hJ	x3	60		Qtz		PR						
BHUA-04	424.70				hJ		45		pale yl		PR						
BHUA-04	424.78				V	x3	70		pale yl		PR			2			
BHUA-04	424.85				V		45		pale yl		PR			3			
BHUA-04	425.06				J		30			CN	PR	RF					
BHUA-04	425.06	425.40			V	x5	85		Qtz mi		CU			1			
BHUA-04	425.07	425.47			hJ	x4	60		pale yl		PR						
BHUA-04	425.30				V	x3	90		Qtz mi		PR			1			
BHUA-04	425.60	426.00			hJ	x6	30		pale yl mi		PR						
BHUA-04	425.65				J		38			CN	PR	SM					
BHUA-04	425.80	425.89			hJ	x2	60		pale yl mi		PR						
BHUA-04	425.87				V		90		Qtz mi		UN			1			
BHUA-04	426.00	426.25			hJ	x6	60		pale yl mi		PR						
BHUA-04	426.10	426.70			hJ	x2	85		pale yl mi		PR						
BHUA-04	426.28				J		5			CN	CU	RF					
BHUA-04	426.33				V		60		pale yl mi		PR			2			
BHUA-04	426.38				V		20		pale yl mi		PR			4			
BHUA-04	426.45	426.58			V		40		pale yl mi		PR			3			

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	426.58				J		5			CN	PR-CU	RF					
BHUA-04	426.63				V		30		pale yl mi		PR			2			
BHUA-04	426.70				hJ		80		pale yl mi		PR						
BHUA-04	426.73	426.93			V		60		pale yl mi		PR			1			
BHUA-04	426.93				CO		60		pale yl mi		PR						
BHUA-04	427.22	427.33			hJ		60		bk mi		PR						
BHUA-04	427.25				J		25			CN	PR	RF					
BHUA-04	427.50	427.70			hJ		60		pale yl mi		PR						
BHUA-04	428.15				hJ		60		pale yl mi		PR						
BHUA-04	428.17				hJ		20		pale yl mi		PR						
BHUA-04	428.62				hJ		60		pale yl mi		PR						
BHUA-04	428.80	429.10			V		70		Qtz with gn alteration halo		PR			5			
BHUA-04	429.81				CO		30		pale yl		PR			2			
BHUA-04	429.82				V		85		Qtz and pale yl		UN			3			
BHUA-04	429.83	430.07			hJ	x11	20		pale yl		PR						
BHUA-04	430.00				hJ		90		pale yl		PR						
BHUA-04	430.32				V		85		Qtz and pale yl		PR			2			
BHUA-04	430.36				hJ		20		pale yl		PR						
BHUA-04	430.37				V		90		Qtz mi and pale yl		PR			3			
BHUA-04	430.49				hJ		10				PR						
BHUA-04	430.68				hJ		85		pale yl		PR						
BHUA-04	430.71				J		10			CN	CU	RF					
BHUA-04	430.73				hJ		10		bk mi		PR						
BHUA-04	430.93				hJ		10		pale yl		PR						
BHUA-04	431.15				hJ		20		pale yl		PR						
BHUA-04	431.29				hJ		20		pale yl		PR						
BHUA-04	431.35				hJ		70		pale yl		PR						
BHUA-04	431.56				hJ	x2	60		pale yl		PR						
BHUA-04	431.84				hJ	x2	30		pale yl		PR						
BHUA-04	431.87	432.70			hJ	x8	80		pale yl		PR						
BHUA-04	432.36	432.45			J		30			CN	PR	RF					
BHUA-04	432.38				hJ		30		pale yl		PR						
BHUA-04	432.80				hJ		20		pale yl		PR						
BHUA-04	432.81				hJ	x2	80		pale yl		PR						
BHUA-04	432.90				hJ	x2	10		bkmi		PR						
BHUA-04	432.92				hJ		60		pale yl		PR						
BHUA-04	433.00				V		90		pale yl		PR			2			
BHUA-04	433.01				hJ		60		pale yl		PR						
BHUA-04	433.10	433.40			hJ	x4	20		pale yl		PR						
BHUA-04	433.12	433.45			V	x3	70		pale yl		PR			2			
BHUA-04	433.22	433.43			hJ	x2	60		pale yl		PR						
BHUA-04	433.52				hJ		90		pale yl		PR						
BHUA-04	433.71				hJ		20		bk mi		PR						
BHUA-04	433.72				hJ		90		pale yl		PR						
BHUA-04	433.77	433.95			V	x3	20		pale yl		PR-CU			3			
BHUA-04	434.00				hJ		60		pale yl		PR						
BHUA-04	434.02	434.11			hJ	x2	20		pale yl		PR						
BHUA-04	434.17				J		20		Qtz mi	VN	PR	RF-SM					
BHUA-04	434.54	434.71			hJ	x3	30		bk mi		PR						
BHUA-04	434.75				hJ		70		bk mi		PR						
BHUA-04	434.82	435.37			hJ	x5	70		pale yl		PR						
BHUA-04	435.12				hJ		30		pale yl		PR						
BHUA-04	435.38				J		10			CN	CU-IR	RF					
BHUA-04	435.50				V		70		Qtz and pale yl		PR-CU			3			
BHUA-04	435.53	438.58			hJ	x2	10		bk		PR						
BHUA-04	435.68	435.94			hJ	x2	70		pale yl		PR						
BHUA-04	435.94				V		60		pale yl		PR			2			
BHUA-04	436.01				V		70		pale yl		PR			3			
BHUA-04	436.02				hJ		30		bk mi		PR						
BHUA-04	436.12	436.45			hJ	x2	20		bk mi		PR						
BHUA-04	436.52	436.75			hJ	x4	20		pale yl		PR						
BHUA-04	436.96				hJ		10		bk mi		PR						
BHUA-04	437.25				hJ		60		bk mi		PR						
BHUA-04	437.37				hJ		60		pale yl		PR						
BHUA-04	437.43	437.60			hJ	x4	40		pale yl		PR						
BHUA-04	437.53				hJ		70		bk mi		PR						
BHUA-04	437.83				V		45		Qtz with carb halo		PR			7			
BHUA-04	437.87	437.96			hJ	x2	45		pale yl		PR						
BHUA-04	438.10	438.25			hJ	x2	40		pale yl		PR						
BHUA-04	438.15				hJ		60		bk mi		PR						
BHUA-04	438.52	438.56			hJ	x2	20		pale yl		PR						
BHUA-04	438.65	438.70			hJ	x3	10		bk		PR						
BHUA-04	438.86	438.92			hJ	x2	10		pale yl		PR						
BHUA-04	439.00	439.37			hJ	x5	60		pale yl		PR						
BHUA-04	439.20	439.38			hJ	x2	70		pale yl		PR						
BHUA-04	439.28				hJ		10		pale yl		PR						
BHUA-04	439.30				J		10			CN	IR	RF					
BHUA-04	439.37				hJ		60		bk mi		PR						
BHUA-04	439.55	439.67			hJ	x2	45		pale yl		PR						

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Preliminary

Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	440.01				hJ		30		pale yl		PR						
BHUA-04	440.08				hJ		70		bk mi		PR						
BHUA-04	440.19				hJ		20		pale yl		PR						
BHUA-04	440.33				hJ		90		pale yl		PR						
BHUA-04	440.46	440.54			hJ	x2	30		pale yl		PR						
BHUA-04	440.75	441.03			hJ	x4	45		pale yl		PR						
BHUA-04	441.08	441.13			hJ		30		pale yl		PR						
BHUA-04	441.10	441.25			hJ	x2	70		pale yl		PR						
BHUA-04	441.25				hJ		70		bk mi		PR						
BHUA-04	441.39				hJ		20		bk mi		PR						
BHUA-04	441.45				hJ		60		pale yl		PR						
BHUA-04	441.52				V		30		pale yl		PR			2			
BHUA-04	441.54	441.64			hJ	x2	30		pale yl with gn alteration		PR						
BHUA-04	441.71				V		20		pale yl		PR			3			
BHUA-04	441.73				V		30		pale yl		PR			2			
BHUA-04	441.75				V		60		pale yl		UN			2			
BHUA-04	441.78				V		70		pale yl		UN			2			
BHUA-04	441.90	442.00			hJ	x3	20		pale yl		PR						
BHUA-04	442.10				V		80		Qtz with black halo		PR			2			
BHUA-04	442.14				hJ		80		pale yl		PR						
BHUA-04	442.18				hJ		30		pale yl		PR						
BHUA-04	442.20				V		90		Qtz and carb with pale yl alteration		PR			8			
BHUA-04	442.50				hJ		10		bk mi		PR						
BHUA-04	442.56				hJ		70		bk mi		PR						
BHUA-04	442.64				V		30		Qtz and carb		PR			5			
BHUA-04	442.80	443.00			hJ	x2	45		pale yl		PR						
BHUA-04	442.86				V		20		Qtz and carb with pale yl alteration		PR			8			
BHUA-04	442.89				hJ		90		pale yl		PR						
BHUA-04	442.97				V		30		pale yl		PR			8			
BHUA-04	443.05				hJ		60		pale yl		PR						
BHUA-04	443.13	443.18			hJ	x2	20		pale yl		PR						
BHUA-04	443.22	443.30			V		30		Qtz and carb		PR			3			
BHUA-04	443.36	443.47			hJ		30		Qtz and carb with pale yl alteration		PR						
BHUA-04	443.45	443.54			J		90			CN	PR	RF					
BHUA-04	443.45	443.58			J	x2	10		pale yl	CN	IR	RF					
BHUA-04	443.47	443.65			hJ	x2	45		pale yl		PR						
BHUA-04	443.55				hJ		10		pale yl		PR						
BHUA-04	443.67	443.77			hJ	x2	20		pale yl		PR						
BHUA-04	443.72				hJ		90		Qtz mi		PR						
BHUA-04	443.87				hJ		45		pale yl		PR						
BHUA-04	444.00				hJ		30		pale yl		PR						
BHUA-04	444.27	444.37			hJ	x3	30		pale yl		PR						
BHUA-04	444.57				V		80		pale yl		PR			2			
BHUA-04	444.64				V		30		pale yl		PR			3			
BHUA-04	445.00	445.28			hJ	x3	70		pale yl		PR						
BHUA-04	445.22				J		80			CN	PR	RF					
BHUA-04	445.40	445.73			V	x5	20		pale yl		PR			2			
BHUA-04	445.69				J		10			CN	PR	RF-SM					
BHUA-04	446.00	446.22			hJ	x3	45		pale yl		PR						
BHUA-04	446.16				hJ		80		bk mi		PR						
BHUA-04	446.20				hJ		90		pale yl		UN						
BHUA-04	446.30				CO		80		bk mi		PR			2			
BHUA-04	446.35	447.45			V	x10	90		bk mi		UN			2			
BHUA-04	446.38	446.86			hJ	x12	70		wh mi		PR						
BHUA-04	446.60	446.87			V	x4	70		pale yl and bk mi		UN			10			
BHUA-04	447.01	447.25			hJ	x6	60		wh		UN						
BHUA-04	447.08				V	x3	65		wh mi		PR			1			
BHUA-04	447.34				CO		70		bk mi		PR						
BHUA-04	447.42	447.61			V	x3	70		pale yl and Qtz mi		CU			5			
BHUA-04	447.55	447.65			V	x3	60		pale yl		PR			1			
BHUA-04	447.61				J		10			CN	CU	RF					
BHUA-04	447.74	447.86			hJ	x3	45		pale yl		PR						
BHUA-04	447.75				J		10			CN	PR	RF					
BHUA-04	447.83				hJ		10		pale yl		PR						
BHUA-04	447.90				hJ		70		pale yl		PR						
BHUA-04	447.92				J		10			CN	PR-IR	RF					
BHUA-04	448.00				J		10			CN	PR	SM					
BHUA-04	448.04				hJ		10		pale yl		PR						
BHUA-04	448.10	448.46			hJ	x4	70		pale yl		PR						
BHUA-04	448.15	448.28			J	x2	10		pale yl	CN	PR-CU	SM					
BHUA-04	448.39				J		20			CN	CU	RF					
BHUA-04	448.50				hJ		80		pale yl		PR						
BHUA-04	448.56	448.84			V		70		Qtz mi		PR			5			
BHUA-04	448.58				hJ		90		pale yl		PR						
BHUA-04	448.58	448.87			hJ	x4	70		pale yl		PR						
BHUA-04	448.70				J		10			CN	IR	RF					
BHUA-04	448.88				J		30			CN	PR-ST	RF					
BHUA-04	449.00	449.36			hJ	x4	65		pale yl		PR						
BHUA-04	449.00	449.52			hJ	x4	70		pale yl		PR						

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	449.23	449.96			J	x4	10		pale yl	CN	IR	RF					
BHUA-04	449.63	450.68			hJ	x8	70		pale yl		PR						
BHUA-04	449.74	450.00			hJ	x5	10		pale yl		PR						
BHUA-04	450.45				hJ		10		pale yl		PR						
BHUA-04	450.67				hJ		60		pale yl								
BHUA-04	450.71	450.88			V		60		pale yl		PR			1			
BHUA-04	450.73	450.86			J		70			CN	ST	RF					
BHUA-04	450.73	450.92			V		20		pale yl		PR			1			
BHUA-04	450.76	450.87			J		20			CN	CU	RF					
BHUA-04	451.12				hJ		70		pale yl		PR						
BHUA-04	451.14	451.40			hJ	x4	30		pale yl		PR						
BHUA-04	451.43				J		20			CN	UN	RF					
BHUA-04	451.53	452.00			hJ	x3	70		Qtz mi		PR						
BHUA-04	451.67				hJ		90		Qtz mi		PR						
BHUA-04	451.74				hJ		10		pale yl		PR						
BHUA-04	452.08	452.11			hJ		30		pale yl		PR						
BHUA-04	452.19				hJ		45		pale yl		PR						
BHUA-04	452.29				hJ		70		Qtz mi		PR						
BHUA-04	452.38				hJ		10		bk mi		PR						
BHUA-04	452.56	452.76			V	x4	10		pale yl		PR			2			
BHUA-04	452.78				hJ		90		Qtz mi		PR						
BHUA-04	452.90				hJ		70		Qtz mi		PR						
BHUA-04	453.00	453.50			hJ	x5	20		Qtz mi and pale yl		PR						
BHUA-04	453.33	453.46			hJ	x2	45		Qtz mi		PR						
BHUA-04	453.46	453.55			hJ		60		pale yl		PR						
BHUA-04	453.53				J		60			CN	PR	RF					
BHUA-04	453.67				V		60		Qtz mi		PR			2			
BHUA-04	453.73				hJ		60		pale yl		PR						
BHUA-04	453.81				V		80		bk mi		UN			4			
BHUA-04	453.82				V		90		Qtz mi		PR			2			
BHUA-04	453.83				hJ		30		pale yl		PR						
BHUA-04	453.90				V		90		bk mi		UN			4			
BHUA-04	454.00				hJ		60		pale yl		PR						
BHUA-04	454.08				V		90		Qtz mi		PR			3			
BHUA-04	454.10				hJ		60		pale yl		PR						
BHUA-04	454.17				V	x2	70		bk mi		UN			6			
BHUA-04	454.17				V	x2	70		bk mi		UN			6			
BHUA-04	455.06	456.32			hJ	x12	40		pale yl		PR						
BHUA-04	455.38				hJ		60		pale yl		PR						
BHUA-04	455.56				J		45			CN	PR	RF					
BHUA-04	455.59				V		60		Qtz mi		UN			4			
BHUA-04	456.16				J		10			CN	IR	RF					
BHUA-04	456.22				V		30		pale yl		PR			7			
BHUA-04	456.31				V		85		pale yl		CU			1			
BHUA-04	456.38				J		10			CN	IR	RF					
BHUA-04	456.42				V		80		wh mi		PR			2			
BHUA-04	456.62				V		60		pale yl		PR			2			
BHUA-04	456.65				hJ		60		bk mi		PR						
BHUA-04	456.80				V		30		Qtz mi		PR			1			
BHUA-04	456.85				V		45		Qtz and carb		PR-CU			12			
BHUA-04	457.00				hJ		60		pale yl		PR						
BHUA-04	457.17				J		60			CN	PR	RF					
BHUA-04	457.23				V		30		Qtz and carb		PR			2			
BHUA-04	457.27				hJ		60		pale yl		PR						
BHUA-04	457.71	457.92			hJ	x2	10		bk and pale yl mi		PR						
BHUA-04	457.97				hJ		60		pale yl		PR						
BHUA-04	458.20	458.34			hJ	x5	70		pale yl		PR						
BHUA-04	458.28				V		70		wh pale yl		PR			3			
BHUA-04	458.36	458.73			hJ	x9	20		bk mi		PR						
BHUA-04	458.50				hJ		10		pale yl		PR						
BHUA-04	458.60				V		70		gn, wh and pale yl		PR			20			
BHUA-04	459.00	459.26			hJ	x5	20		bk mi		PR						
BHUA-04	459.53				hJ		70		pale yl		PR						
BHUA-04	459.78				V		60		wh	VN	PR			5			
BHUA-04	459.87				V		60		pale yl	VN	PR						
BHUA-04	460.45				hJ		40		wh	VN	PR						
BHUA-04	460.58				hJ		30		pale yl		PR						
BHUA-04	460.72				V		70		yl pale gn	VN	UN-CU			15			
BHUA-04	460.86				hJ		18		rd	SN	PR						
BHUA-04	461.00	461.49			hJ	x10	70		yl pale gn	SN	PR						
BHUA-04	461.31				hJ		10		wh	SN	PR						
BHUA-04	461.51				J		10			CN	PR	RF-SM					
BHUA-04	461.56				hJ		10		wh		PR						
BHUA-04	461.72				hJ		70		pale yl		PR						
BHUA-04	461.74				V	x2	80		bk	VN	UN						
BHUA-04	461.84	462.43			J	x4	10		pale yl	CN	UN-IR	RF					
BHUA-04	461.90				hJ		60		wh		PR						
BHUA-04	461.92	462.08			hJ	x3	60		bk		PR						
BHUA-04	462.20	462.28			hJ	x2	45		pale yl		PR						
BHUA-04	462.26				hJ		70		bk mi		PR						

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	462.27	462.50			hJ	x3	70		pale yl		PR						
BHUA-04	462.68				V		10		wh		PR			2			
BHUA-04	462.74				V		70		wh pale yl		PR			10			
BHUA-04	462.94				hJ		70		bk		PR						
BHUA-04	463.00				V		90		Qtz mi		PR			2			
BHUA-04	463.07				hJ		70		pale yl		PR						
BHUA-04	463.12				V		10		Qtz mi		PR			2			
BHUA-04	463.14				V		80		bk mi		PR			7			
BHUA-04	463.31				hJ		60		bk mi		PR						
BHUA-04	463.37				hJ		10		bk mi		PR						
BHUA-04	463.38				hJ		60		pale yl		PR						
BHUA-04	463.42	466.00			V		90		Qtz mi	VN	PR-ST	RF		2			
BHUA-04	463.47				CO		60				PR						
BHUA-04	463.54				V		40		Qtz mi		PR			2			
BHUA-04	463.73				V		60		gn plae yl		CU-UN			35			
BHUA-04	463.77	464.23			hJ	x7	60		pale yl		PR						
BHUA-04	463.80				J		5			CN	ST-IR	VR					
BHUA-04	463.85				V		60		Qtz mi		PR			11			
BHUA-04	464.27				hJ		70		wh mi		PR						
BHUA-04	464.30	464.44			hJ	x3	10		wh mi		PR						
BHUA-04	464.74	464.85			hJ	x2	60		wh mi		PR						
BHUA-04	465.07	465.20			hJ	x4	70		wh mi		PR						
BHUA-04	465.23				V		45		wh pale yl		PR			2			
BHUA-04	465.28	465.46			hJ	x4	60		wh		PR						
BHUA-04	465.39				V		60		wh pale yl		PR			2			
BHUA-04	465.54				J		10			CN	IR	RF					
BHUA-04	465.55				hJ		60		wh		PR						
BHUA-04	465.91	466.00			hJ	x2	70		pale yl		PR						
BHUA-04	466.03				J		20			CN	PR	RF-SM					
BHUA-04	466.23	467.10			hJ	x4	45		pale yl		PR						
BHUA-04	466.38	467.00			V	x2	45		wh pale yl		PR			2			
BHUA-04	466.45				J		10			CN	IR	RF					
BHUA-04	466.57				hJ		60		wh		PR						
BHUA-04	466.67				J		10			CN	CU	RF					
BHUA-04	466.68	466.85			V	x13	80		Qtz and pale yl		CU			12			
BHUA-04	467.00				V		45		pale yl		PR			2			
BHUA-04	467.07	467.37			hJ	x6	30		pale yl		PR						
BHUA-04	467.17				J		5			CN	ST	RF					
BHUA-04	467.44	467.54			hJ	x6	60		pale yl		PR			2			
BHUA-04	467.55				J		10			CN	ST	RF					
BHUA-04	467.63	468.00			hJ	x9	40		wh mi		PR						
BHUA-04	467.65	467.80			hJ	x4	30		wh mi		PR						
BHUA-04	468.04	468.14			hJ	x5	45		pale yl		PR						
BHUA-04	468.05				V		45		Qtz and pale yl		PR			7			
BHUA-04	468.06	468.59			hJ	x10	60		pale yl		PR						
BHUA-04	468.48	468.70			V	x2	80		pale yl		PR			2			
BHUA-04	468.67	468.82			hJ	x5	60		pale yl		PR						
BHUA-04	468.82	469.00			hJ	x3	80		wh mi		PR						
BHUA-04	468.98				hJ		30		wh mi		PR						
BHUA-04	469.08	469.72			hJ	x14	35		pale yl		PR						
BHUA-04	469.12	470.00			V	x7	35		pale yl		PR			10			
BHUA-04	469.18				J		20			CN	PR	RF					
BHUA-04	469.76				J		20			CN	PR	RF					
BHUA-04	470.04				V		60		pale yl		PR			8			
BHUA-04	470.09				J		30		gn mi	CN	PR	SM-PO		40			
BHUA-04	470.12				V		90		pale yl		UN			4			
BHUA-04	470.18	470.38			hJ	x3	60		pale yl		PR						
BHUA-04	470.31				V		60		pale yl		PR-CU			7			
BHUA-04	470.37				DB												
BHUA-04	470.37	470.60			hJ	x2	80		pale yl		PR						
BHUA-04	470.55	470.80			hJ	x5	30		pale yl		PR						
BHUA-04	470.84				V		30		pale yl with alteration halo	SN	PR			6			
BHUA-04	470.97				hJ		30		pale yl		PR						
BHUA-04	471.17	471.43			V	x4	30		pale yl		PR			3			
BHUA-04	471.24	471.60			hJ	x6	30		pale yl		PR						
BHUA-04	471.33				V		60		pale yl		PR			10			
BHUA-04	471.53				V		45		pale yl		PR			7			
BHUA-04	471.63	471.71			hJ	x2	60		pale yl		PR						
BHUA-04	471.70	472.70			hJ	x15	70		pale yl		PR						
BHUA-04	471.82	472.24			V	x3	50		pale yl	VN	PR-CU			27			
BHUA-04	471.85	472.25			hJ	x8	45		pale yl		PR						
BHUA-04	472.00	472.70			hJ	x14	60		pale yl		PR						
BHUA-04	472.42	472.94			V		30		pale yl	VN	PR			5			
BHUA-04	472.52				J		20			CN	PR	RF					
BHUA-04	472.62	472.68			V	x2	50		pale yl	VN	PR			9			
BHUA-04	472.82				V		20		wh pale yl		PR			2			
BHUA-04	472.90				hJ	x2	70		wh		PR						
BHUA-04	473.20	473.46			hJ	x10	60		wh pale yl		PR						
BHUA-04	473.28				V		60		pale yl		PR			2			

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	473.41				V		70		wh					2			
BHUA-04	473.44	473.69			hJ	x5	70		wh pale yl		PR						
BHUA-04	473.82				J		20			CN	PR-ST	RF					
BHUA-04	473.95	474.47			AZ		60		multiple yellow-pale healed joints dipping 45-60 deg	CT	PR						
BHUA-04	474.43				V		20		bk mi		PR						
BHUA-04	474.47				V		60		Qtz gn gy		PR			3			
BHUA-04	474.50	474.57			V	x4	50		pale yl dipping 45-60		PR-ST			3			
BHUA-04	474.62				J		60		Qtz mi	SN	PR	SM		3			
BHUA-04	474.71	474.86			hJ	x8	60		wh		PR						
BHUA-04	474.82				hJ		80		wh		ST-IR						
BHUA-04	474.88				hJ		45		wh and bk		PR						
BHUA-04	474.90				hJ		85		pale yl		PR						
BHUA-04	475.04				J		60		gn	VN	PR	VR					
BHUA-04	475.08				hJ		20		wh		PR						
BHUA-04	475.09				hJ		30		wh and bk		ST						
BHUA-04	475.12				J		80			VN	UN-ST-IR	RF					
BHUA-04	475.20	475.27			J	x2	25			CN	UN	RF					
BHUA-04	475.24	475.57			AZ				multiple healed joints dipping 10,30,60	CT	IR-CU						
BHUA-04	475.50	476.22			AZ		60		pk anastomosed zone	CT	PR-IR						
BHUA-04	475.57				J		5			CN	ST	RF					
BHUA-04	475.57	475.67			V	x3	60		Qtz mi		PR			3			
BHUA-04	475.67				V		60		bk mi		PR			12			
BHUA-04	475.67	476.00			AZ				multiple healed joints dipping 45,60,75	CT	IR0CU						
BHUA-04	475.77	476.10			J	x3	30			CN	ST	RF					
BHUA-04	476.04				V		30		pale yl, gy		PR			5			
BHUA-04	476.10				hJ		60		wh and bk mi		PR						
BHUA-04	476.13	476.23			hJ	x13	20		plae yl		PR						
BHUA-04	476.29				V		70		Qtz mi		UN			3			
BHUA-04	476.34	476.75			hJ	x5	70		pale yl		PR						
BHUA-04	476.58	476.77			V		70		wh pale yl		PR			10			
BHUA-04	476.65	477.00			hJ	x4	85		wh		PR						
BHUA-04	476.76	477.00			hJ	x5	60		wh pale yl		PR						
BHUA-04	477.06	477.70			hJ	x16	10		gy		PR						
BHUA-04	477.08	477.55			hJ	x4	70		wh		PR						
BHUA-04	477.54				V		60		pale yl		PR						
BHUA-04	477.54	477.70			hJ	x8	30		pale yl		PR						
BHUA-04	477.63				J		10			CN	IR	RF					
BHUA-04	477.76	477.94			hJ	x3	60		pale yl		PR						
BHUA-04	477.84	477.96			hJ	x4	20		pale yl		PR						
BHUA-04	478.03				hJ		85		pale yl		PR						
BHUA-04	478.10	478.25			hJ	x4	20		pale yl		PR						
BHUA-04	478.30	478.39			V	x2	50		pale yl		PR			2			
BHUA-04	478.37	478.68			hJ	x5	10		wh		PR						
BHUA-04	478.53				hJ		60		pale yl		PR						
BHUA-04	478.53	478.59			hJ	x3	30		pale yl		PR						
BHUA-04	478.63	478.87			J		20			CN	PR-IR	RF					
BHUA-04	478.73				hJ		70		wh		PR						
BHUA-04	478.82	479.05			hJ	x3	60		wh and pale yl		PR						
BHUA-04	479.17	479.21			hJ	x7	20		pale yl		PR						
BHUA-04	479.20				hJ		85		pale yl		PR						
BHUA-04	479.30	480.30			V	x2	90		wh		PR-ST			4			
BHUA-04	479.33				hJ	x2	60		pale yl		PR						
BHUA-04	479.90				hJ		60		pale yl		PR						
BHUA-04	479.96				hJ		20		pale yl		PR						
BHUA-04	480.05	480.10			hJ	x2	60		pale yl		PR						
BHUA-04	480.08	480.14			hJ	x3	60		pale yl		PR						
BHUA-04	480.15	480.19			hJ	x2	10		pale yl		PR						
BHUA-04	480.30	480.49			hJ		90		wh		PR						
BHUA-04	480.31	480.34			hJ	x3	30		pale yl		PR						
BHUA-04	480.38				J		10			CN	IR	RF					
BHUA-04	480.42	480.70			hJ	x10	20		pale yl		PR						
BHUA-04	480.48				V		30		pale yl with alteration halo		PR-CU			3			
BHUA-04	480.61				hJ		45		pale yl		PR						
BHUA-04	480.79	480.93			hJ	x4	85		wh		PR						
BHUA-04	480.83	480.98			hJ	x2	20		pale yl		PR						
BHUA-04	480.87	481.08			hJ	x3	30		pale yl		PR						
BHUA-04	480.90				hJ		60		pale yl		PR						
BHUA-04	481.21	481.58			hJ	x10	30		wh		PR						
BHUA-04	481.22	481.56			hJ	x3	60		wh		PR						
BHUA-04	481.24	481.41			hJ		85		pale yl		PR						
BHUA-04	481.39	481.89			hJ	x6	10		wh		PR						
BHUA-04	481.64				J		20			CN	IR	RF					
BHUA-04	481.70	482.40			V	x3	90		gn and pale yl with pyrite		PR			1			
BHUA-04	481.71				V		60		pale yl		PR-UN			4			
BHUA-04	481.84				V		45		pale yl	infilled	PR-UN			3			
BHUA-04	482.02	482.28			hJ	x4	10		pale yl		PR						
BHUA-04	482.30	482.68			V	x3	85		pale yl		PR-CU			3			
BHUA-04	482.31	482.46			hJ		90		wh		UN						
BHUA-04	482.62	482.97			hJ	x2	60		pale yl		PR						

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	482.78	482.88			hJ	x3	45		pale yl		PR						
BHUA-04	482.80	482.91			hJ	x4	20		pale yl		PR						
BHUA-04	482.89				J		20			CN	PR-IR	RF					
BHUA-04	483.00	483.69			V	x4	70		pale yl		PR-CU			2			
BHUA-04	483.05	483.09			hJ	x4	10		pale yl		PR						
BHUA-04	483.12				hJ		45		pale yl		PR						
BHUA-04	483.53				J		30			CN	PR-CU	RF					
BHUA-04	483.55	483.62			hJ	x5	20		pale yl		PR						
BHUA-04	483.65	485.00			hJ	x30	70		pale yl		PR						
BHUA-04	484.06				hJ		30		pale yl		PR						
BHUA-04	484.10	484.94			hJ	x14	10		pale yl		PR						
BHUA-04	484.81				J		5			CN	IR	RF					
BHUA-04	484.90	485.23			hJ	x10	80		pale yl		PR						
BHUA-04	485.03	485.18			hJ	x9	20		pale yl		PR						
BHUA-04	485.10				J		15			CN	PR-IR	RF					
BHUA-04	485.47	485.53			hJ	x2	70		pale yl		PR						
BHUA-04	485.47	485.71			hJ	x4	20		pale yl		PR						
BHUA-04	485.49	485.53			hJ	x3	35		pale yl		PR						
BHUA-04	485.61	485.69			hJ	x3	65		pale yl		PR						
BHUA-04	485.67				V		45		pale yl		PR			2			
BHUA-04	485.85	485.98			hJ	x5	70		pale yl		PR						
BHUA-04	485.87	485.97			hJ	x3	30		pale yl		PR						
BHUA-04	486.00	486.79			hJ	x2	80		pale yl		PR						
BHUA-04	486.04				J		40			CN	PR	RF					
BHUA-04	486.11	486.29			V	x2	80		pale yl		PR			4			
BHUA-04	486.33				J		40			CN	PR	RF					
BHUA-04	486.48	486.72			hJ	x5	45		pale yl		PR						
BHUA-04	486.80				V		45		pale yl		PR			4			
BHUA-04	486.84	487.05			hJ	x7	45		pale yl		PR						
BHUA-04	486.90	487.10			hJ	x2	10		pale yl		PR						
BHUA-04	487.05				hJ		60		wh		PR						
BHUA-04	487.13	487.27			hJ	x3	60		pale yl		PR						
BHUA-04	487.15				V		60		Qtz mi		PR			4			
BHUA-04	487.20				V				pale yl		PR			2			
BHUA-04	487.25				hJ	x2	85		pale yl		PR						
BHUA-04	487.30				hJ	x5	60		pale yl		PR-UN						
BHUA-04	487.35				J		80		Qtz mi	CN	PR	RF					
BHUA-04	487.45				J		5			CN	IR	RF					
BHUA-04	487.45	488.04			hJ	x5	45		pale yl		PR						
BHUA-04	487.46				V		70		Qtz mi		PR			3			
BHUA-04	487.48				V	x5	75		gn and pale yl		PR			2			
BHUA-04	487.50				J		65			CN	PR	RF					
BHUA-04	487.85	488.09			hJ		60		pale yl		PR						
BHUA-04	487.87	488.07			hJ	x2	10		pale yl		PR						
BHUA-04	488.07				J		20			CN	PR	RF					
BHUA-04	488.12	488.20			hJ	x3	20		pale yl		PR						
BHUA-04	488.20				hJ		80		pale yl		PR						
BHUA-04	488.24	488.32			hJ	x3	30		pale yl		PR						
BHUA-04	488.30				J		20			CN	PR-IR	RF					
BHUA-04	488.32				V		70		Qtz mi		PR			2			
BHUA-04	488.36	488.61			hJ	x2	85		pale yl		PR						
BHUA-04	488.37				V		30		pale yl		PR			2			
BHUA-04	488.40				hJ		10		pale yl		PR						
BHUA-04	488.44				V		45		pale yl		PR						
BHUA-04	488.48				J		10			CN	IR	RF					
BHUA-04	488.50				V		10		pale yl and bk		PR			3			
BHUA-04	488.54				hJ	x2	40		pale yl		PR						
BHUA-04	488.60				hJ		10		wh		PR						
BHUA-04	488.66				hJ		30		pale yl		PR						
BHUA-04	488.70				V		70		pale yl		PR			3			
BHUA-04	488.72	488.78			hJ	x2	20		wh		PR						
BHUA-04	488.75				hJ		70				PR						
BHUA-04	488.90				hJ	x2	90		wh		PR						
BHUA-04	488.92				J		10			CN	IR	VR-RF					
BHUA-04	489.00				hJ		70		pale yl		PR						
BHUA-04	489.00	489.11			hJ	x3	45		pale yl		PR						
BHUA-04	489.00	489.14			V		90		Qtz mi		PR			2			
BHUA-04	489.09				hJ		10		pale yl		PR						
BHUA-04	489.20				V		45		Qtz and bk mi		PR			2			
BHUA-04	489.24				hJ		20		rd		CU						
BHUA-04	489.25	489.37			hJ	x3	70		pale yl		PR						
BHUA-04	489.37	489.97			hJ	x3	90		wh		UN						
BHUA-04	489.40				hJ		60		rd		UN						
BHUA-04	489.41	489.91			hJ	x9	10		pale yl		PR						
BHUA-04	489.59				hJ				Qtz		PR						
BHUA-04	489.61				hJ		30		"		PR						
BHUA-04	489.63	489.83			hJ	x2	60		pale yl		PR						
BHUA-04	489.93				hJ		60		pale yl		PR						
BHUA-04	489.97				hJ		30		gy		PR						

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	490.00	490.36			hJ	x5	80		pale yl		PR						
BHUA-04	490.03	490.13			hJ	x3	70		pale yl		PR						
BHUA-04	490.21	490.76			hJ	x6	30		pale yl		PR						
BHUA-04	490.48	490.93			hJ	x6	10		pale yl		PR						
BHUA-04	490.52	490.93			V		85		pale yl		PR			2			
BHUA-04	490.84				V		45		pale yl		PR			2			
BHUA-04	491.00	491.10			hJ	x2	45		pale yl		PR						
BHUA-04	491.10				hJ		10		wh		PR						
BHUA-04	491.11				J		10			CN	IR	RF					
BHUA-04	491.15	491.45			AZ		30		pale yl	CT	PR-UN						
BHUA-04	491.31				V		10		wh and bk		PR			2			
BHUA-04	491.38				V		70		pale yl		PR			10			
BHUA-04	491.51	491.71			hJ	x4	30		pale yl		PR						
BHUA-04	491.72				V		45		Qtz		PR			2			
BHUA-04	491.72	491.92			hJ		45		pale yl		PR						
BHUA-04	491.80				J		10			CN	PR-IR	RF					
BHUA-04	492.14	492.28			hJ	x6	45		bk and gn		PR						
BHUA-04	492.19	492.22			hJ		10		pale yl		PR						
BHUA-04	492.37				V		60		pale yl with alteration halo		PR			20			
BHUA-04	492.45				J		30			CN	IR	RF					
BHUA-04	492.47				hJ	x3	90		wh		PR						
BHUA-04	492.77				hJ		10		bk		PR						
BHUA-04	492.81				J		20			CN	PR	RF					
BHUA-04	492.84				hJ		90		wh		PR						
BHUA-04	493.04				V		45		wh and bk		PR						
BHUA-04	493.12				hJ		70		pale yl		PR						
BHUA-04	493.32				J		70			CN	UN	RF					
BHUA-04	493.33	493.43			V	x2	70		pale yl		PR			8			
BHUA-04	493.43				hJ		90		pale yl		PR						
BHUA-04	493.46	494.87			hJ	x5	30		pale yl		PR						
BHUA-04	493.48				hJ		45		pale yl		PR						
BHUA-04	493.58	493.71			J		10			CN	CU	RF					
BHUA-04	493.59				hJ		10		pale yl		PR						
BHUA-04	493.63				hJ		20		pale yl		PR						
BHUA-04	493.74				hJ		70		pale yl		PR						
BHUA-04	493.83				hJ		60		pale yl		PR						
BHUA-04	493.96	494.08			hJ	x3	90		bk		PR						
BHUA-04	494.04	494.20			hJ	x2	30		wh/gn mi		PR						
BHUA-04	494.05	494.17			hJ	x3	70		bk yl		PR						
BHUA-04	494.13	494.30			hJ	x7	45		pale yl		PR						
BHUA-04	494.29	494.80			J		30		wh/rd	VN	PR	RF					
BHUA-04	494.35	494.53			hJ	x2	70		pale yl		UN						
BHUA-04	494.43	494.95			hJ	x4	90		wh		PR						
BHUA-04	494.60	494.70			hJ	x3	70		pale yl		PR						
BHUA-04	494.67	494.95			hJ	x4	30		bk/yl		PR						
BHUA-04	495.00	495.14			V	x4	45		wh and bk		PR						
BHUA-04	495.10	495.47			SZ		45		rd stained and gy clay	VN	IR	RF-SM					
BHUA-04	495.32	495.62			hJ	x3	60		wh		UN						
BHUA-04	495.44	495.53			hJ	x2	45		bk/yl		UN						
BHUA-04	495.46	495.67			hJ	x2	90		wh		UN						
BHUA-04	495.67	496.27			J	x9	30		wh	VN	UN	RF					
BHUA-04	495.77	495.94			hJ	x4	60		pale yl		PR						
BHUA-04	495.78	496.80			hJ	x11	30		bk/yl		PR						
BHUA-04	495.85				hJ		60				PR						
BHUA-04	496.04	496.44			hJ	x4	70		pale yl		PR						
BHUA-04	496.10	496.92			hJ	x7	30		wh		PR						
BHUA-04	496.30				hJ	x5	80		pale yl		PR						
BHUA-04	496.38	496.50			J	x3	60		clay	SN	ST-IR	RF					
BHUA-04	496.45				hJ		60		bk		PR						
BHUA-04	496.50	497.00			hJ	x5	60		pale yl		PR						
BHUA-04	496.85				J		60			CN	ST-IR	RF					
BHUA-04	497.04	497.90			hJ	x14	30		pale yl		PR-UN						
BHUA-04	497.08	497.22			J	x2	30		pale yl	CN	UN	RF					
BHUA-04	497.08	497.73			hJ	x7	30		wh		PR-UN						
BHUA-04	497.45	497.57			J	x4	20		wh	CN	IR	RF					
BHUA-04	497.49	497.54			V	x2	30		Qtz		PR			3			
BHUA-04	497.92				J		60			CN	PR-UN	RF					
BHUA-04	497.94				J		10			CN	PR-UN	RF					
BHUA-04	498.08	498.68			hJ	x6	70		pale yl		PR-UN						
BHUA-04	498.10	498.46			hJ	x3	80		bk mi		PR-UN						
BHUA-04	498.38				J		10			CN	ST-IR	RF					
BHUA-04	498.40				V		70		Qtz mi		PR						
BHUA-04	498.61	498.98			hJ	x4	60		pale yl and bk		PR-UN						
BHUA-04	498.65				J		30			CN	PR	RF					
BHUA-04	498.67				hJ		60		wh	CN	PR	RF					
BHUA-04	498.74	498.90			hJ	x4	30		bk		PR-UN						
BHUA-04	499.00	499.44			hJ	x6	45		pale yl and bk		PR-UN						
BHUA-04	499.10				V		10		pale yl and bk		UN			7			
BHUA-04	499.38				hJ		45		wh	CN	PR	RF					

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	499.42				J		20			CN	PR	RF					
BHUA-04	499.47	499.59			V	x3	45		pale yl and wh		UN						
BHUA-04	499.51	499.83			hJ	x3	60		wh		PR-UN						
BHUA-04	499.60	499.87			hJ	x5	30		bk		PR-UN						
BHUA-04	499.71	499.90			V	x2	55		pale yl and bk		ST			2			
BHUA-04	499.82				J		30			CN	ST	RF					
BHUA-04	499.83				CO		60				PR	SM					
BHUA-04	499.90	500.00			hJ	x3	45		bk		PR-UN						
BHUA-04	500.00				hJ	x3	45		bk		PR-UN						
BHUA-04	500.00	500.08			V	x2	45		pale yl and bk		PR-UN			2			
BHUA-04	500.12				V		45		Qtz		UN			3			
BHUA-04	500.20				J		10			CN	IR	RF					
BHUA-04	500.28	500.40			V	x2	30		pale yl, wh and gn		PR-UN			3			
BHUA-04	500.44				hJ		45		bk	CN	PR	RF					
BHUA-04	500.58				hJ		90		pale yl	CN	PR	RF					
BHUA-04	500.72				hJ		10		pale yl	CN	PR-UN	RF					
BHUA-04	500.95				hJ		60		pale yl	CN	PR-UN	RF					
BHUA-04	501.00	501.32			hJ	x7	70		pale yl		PR-UN						
BHUA-04	501.04				hJ		90		pale yl	CN	PR	RF					
BHUA-04	501.17				J		30			CN	ST-IR	RF					
BHUA-04	501.20				V		80		wh	CN	PR	RF					
BHUA-04	501.36	501.70			hJ	x2	90		wh		PR-UN						
BHUA-04	501.40	501.67			hJ	x3	30		pale yl		PR-UN						
BHUA-04	501.64	501.90			hJ	x2	70		pale yl		PR-UN						
BHUA-04	501.69				J		5			CN	IR	RF					
BHUA-04	501.90				V		70		pale yl	CN	PR	RF		6			
BHUA-04	502.05	502.19			J		55		wh pale yl	VN	CU-UN	RF		30			
BHUA-04	502.50	502.95			hJ	x9	70		wh pale yl		PR-UN						
BHUA-04	502.65				J		20			CN	ST-IR	RF					
BHUA-04	502.85	503.00			V	x2	70		pale yl, wh , gn		PR-UN			2			
BHUA-04	503.03	503.17			hJ	x4	70		pale yl		PR						
BHUA-04	503.15				hJ		90		bk		UN						
BHUA-04	503.18				J		10			CN	PR	RF					
BHUA-04	503.30				hJ		70		bk		UN						
BHUA-04	503.31	504.24			hJ	x11	10		pale yl		PR						
BHUA-04	503.38	503.60			hJ	x2	45		bk		UN						
BHUA-04	503.47				V		45		granite/basalt pale yl/bk vein		CU			2			
BHUA-04	503.85				J		10			CN	PR	RF					
BHUA-04	504.00	504.37			hJ	x4	70		bk		PR						
BHUA-04	504.92				hJ	x3	60		bk		PR-UN						
BHUA-04	505.13	505.43			hJ	x3	60		pale yl		PR						
BHUA-04	505.28				hJ		90		vbk		UN						
BHUA-04	505.48				hJ	x3	70		Qtz		PR						
BHUA-04	505.55	505.70			J	x2	10		pale yl	CN	IR	RF					
BHUA-04	505.72				V		60		pale yl and gn with halo		PR						
BHUA-04	505.73	505.97			hJ	x3	10		pale yl		PR						
BHUA-04	505.87				hJ		70		bk		PR						
BHUA-04	506.02	506.12			hJ	x2	30		pale yl		PR						
BHUA-04	506.05	506.32			hJ		70		bk		PR						
BHUA-04	506.12				V		30		pale yl		PR			7			
BHUA-04	506.58				hJ		90		wh		PR						
BHUA-04	506.83				V		85		pale yl		PR			2			
BHUA-04	506.95	507.00			hJ	x3	20		pale yl		PR						
BHUA-04	507.00				hJ		60		pale yl		PR						
BHUA-04	507.13				hJ		90		wh		PR						
BHUA-04	507.15				V		30		pale yl		PR			2			
BHUA-04	507.22				hJ		30		pale yl		PR						
BHUA-04	507.23				V		90		pale yl and wh		PR-ST			8			
BHUA-04	507.26				J		10			CN	IR	RF					
BHUA-04	507.57				hJ		10		pale yl		PR						
BHUA-04	507.69				J		10			CN	IR	RF					
BHUA-04	507.76				hJ		90		bk		PR						
BHUA-04	507.85	507.88			hJ	x3	20		bk		UN						
BHUA-04	507.98				V		20		wh		PR-CU			15			
BHUA-04	508.00				hJ		50		pale yl		PR						
BHUA-04	508.09				hJ				pale yl		PR						
BHUA-04	508.17				hJ		25		bk		PR-UN						
BHUA-04	508.20				hJ		80		bk		PR-UN						
BHUA-04	508.27	508.30			hJ	x2	60		pale yl		PR-UN						
BHUA-04	508.36	508.60			hJ	x4	70		bk		PR-UN						
BHUA-04	508.45				V		20		bk		PR-UN			3			
BHUA-04	508.74				hJ		60		pale yl		PR						
BHUA-04	508.91	508.98			hJ	x5	20		bk		PR-UN						
BHUA-04	509.04				hJ		70		pale yl		PR						
BHUA-04	509.05	509.10			hJ	x2	45		pale yl		PR						
BHUA-04	509.17				V		30		Qtz and bk mi		PR-UN			3			
BHUA-04	509.30	509.90			hJ	z11	45		pale yl		PR-UN						
BHUA-04	509.45				V		30		bk		PR-UN			2			
BHUA-04	509.52				hJ		90		bk		UN						

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	509.83				V		45		pale yl		PR-UN			5			
BHUA-04	510.00				hJ		70		bk		PR-UN						
BHUA-04	510.05	510.55			hJ	x6	60		pale yl		PR-UN						
BHUA-04	510.35				HB												
BHUA-04	510.62				HB												
BHUA-04	510.70				hJ		90		bk		PR-UN						
BHUA-04	510.77				hJ		70		pale yl		PR						
BHUA-04	510.83	510.89			hJ	x2	30		bk		PR-UN						
BHUA-04	510.93	510.98			hJ	x2	20		pale yl		PR						
BHUA-04	511.02				V		30		wh		PR			2			
BHUA-04	511.05				V		45		wh		PR			3			
BHUA-04	511.11				hJ		90		bk		PR-UN						
BHUA-04	511.12				hJ		10		pale yl		PR						
BHUA-04	511.20				V		80		wh		PR			3			
BHUA-04	511.38	511.53			hJ	x7	30		pale yl		PR-UN						
BHUA-04	511.42	511.87			hJ		90		bk and yl		PR-UN						
BHUA-04	511.63	511.69			hJ	x4	20		pale yl		PR-UN						
BHUA-04	511.76	511.83			V	x3	30		pale yl		PR-UN			2			
BHUA-04	511.85				hJ		90		bk		PR-UN						
BHUA-04	511.90				hJ		70		bk		PR-UN						
BHUA-04	512.06	512.28			hJ	x10	45		pale yl		PR-UN						
BHUA-04	512.15				hJ		20		wh		UN						
BHUA-04	512.31				V		60		pale yl		PR			2			
BHUA-04	512.63	512.76			hJ	x4	60		pale yl		PR-UN						
BHUA-04	512.69	512.85			V	x2	60		pale yl		PR-UN			2			
BHUA-04	512.80	512.88			hJ	x6	70		bk		PR-UN						
BHUA-04	512.87				hJ		10		pale yl		PR						
BHUA-04	513.07				hJ		70		pale yl		PR-UN						
BHUA-04	513.10				hJ		30		pale yl		PR-UN						
BHUA-04	513.14	513.18			hJ	x3	30		bk		PR-UN						
BHUA-04	513.34	513.48			hJ	x2	20		pale yl		PR-UN						
BHUA-04	513.49	513.53			hJ	x2	20		bk		PR-UN						
BHUA-04	513.61	513.70			hJ	x5	45		bk		PR-UN						
BHUA-04	513.67				J		5			CN	IR	VR					
BHUA-04	513.74	513.97			hJ	x3	60		pale yl		PR-UN						
BHUA-04	513.81				hJ		20		pale yl		PR-UN						
BHUA-04	513.91	514.14			hJ	x2	45		bk		PR-UN						
BHUA-04	514.00	514.05			hJ	x2	45		pale yl		PR-UN						
BHUA-04	514.05	514.18			hJ	x2	70		pale yl		PR-UN						
BHUA-04	514.05	514.95			V	x2	90		Qtz and gn with some pyrite		PR-UN			4			
BHUA-04	514.15				hJ		10		pale yl		PR-UN						
BHUA-04	514.28				hJ		30		pale yl		PR-UN						
BHUA-04	514.36	514.80			hJ	x4	60		pale yl		PR-UN						
BHUA-04	514.61				hJ		30		wh		PR-UN						
BHUA-04	514.78	515.05			hJ	x4	45		pale yl		PR-UN						
BHUA-04	514.97	515.39			V		90		Qtz and gn with some pyrite		PR-UN						
BHUA-04	515.04	515.12			V	x2	10		pale yl		PR-UN			2			
BHUA-04	515.12				hJ		50		wh		PR-UN						
BHUA-04	515.16	515.25			hJ	x4	50		pale yl		PR-UN			2			
BHUA-04	515.28	515.37			V	x2	45		pale yl		PR-UN			2			
BHUA-04	515.43	515.83			hJ	x5	30		pale yl		PR-UN						
BHUA-04	515.46				V		30		pale yl		PR-UN			2			
BHUA-04	515.62				hJ		70		pale yl		PR-UN						
BHUA-04	515.72	515.80			V		30		Qtz and feldspar with pk alteration		PR			30			
BHUA-04	516.01				V		20		pale yl		PR-UN			2			
BHUA-04	516.04	516.57			hJ	x14	30		pale yl		PR-UN						
BHUA-04	516.46				hJ		70		pale yl		PR-UN						
BHUA-04	516.72				hJ		90		wh		PR-UN						
BHUA-04	516.75	516.98			hJ	x4	20		pale yl		PR-UN						
BHUA-04	517.10	517.25			V	x2	60		pale yl		PR-UN			2			
BHUA-04	517.27	517.42			hJ	x2	70		pale yl		PR-UN			2			
BHUA-04	517.34	517.76			hJ	x4	10		pale yl		PR-UN						
BHUA-04	517.48				hJ		60		bk		PR-UN						
BHUA-04	517.62	517.95			V	x2	45		Qtz with pale-yl halo		PR-UN			5			
BHUA-04	517.70				hJ		85		wh		PR-UN						
BHUA-04	517.90	518.05			hJ	x2	45		pale yl		PR-UN						
BHUA-04	518.00				V		30		Qtz mi		PR-UN			15			
BHUA-04	518.10				V		30		Qtz mi		PR-UN			2			
BHUA-04	518.44	518.80			hJ	x2	45		pale yl		PR-UN						
BHUA-04	518.52	518.90			V	x2	60		pale yl		PR-UN			2			
BHUA-04	518.96	519.52			hJ	x4	10		pale yl		PR-UN						
BHUA-04	519.16				V		45		pale yl		PR-UN			2			
BHUA-04	519.17				J		45			CN	ST-IR	RF					
BHUA-04	519.63	519.76			hJ	x2	60		pale yl		PR-UN						
BHUA-04	519.68				J		5			CN	ST-IR	RF					
BHUA-04	519.77				hJ		60		pale yl		PR-UN						
BHUA-04	519.84				hJ		60		bk		PR-UN						
BHUA-04	519.90				V		80		pale yl and wh		PR-UN			2			
BHUA-04	520.03				V		90		Qtz mi		PR-UN			3			

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	520.05				hJ		45		pale yl		PR-UN						
BHUA-04	520.10	521.90			V		90		Qtz. it generates 10mm displacement		PR-UN			4			
BHUA-04	520.13				hJ		30		pale yl		PR-UN						
BHUA-04	520.30				V		30		bk		PR-UN			3			
BHUA-04	520.50	520.83			hJ	x2	20		pale yl		PR-UN						
BHUA-04	520.57				hJ	x2	45		pale yl		PR-UN						
BHUA-04	520.66	520.75			hJ	x2	60		pale yl		PR-UN						
BHUA-04	520.75				V		85		Qtz mi		PR-UN			3			
BHUA-04	520.85				J		10		bk	VN	PR-UN	RF		3			
BHUA-04	521.05	521.48			hJ	x6	10		pale yl		PR-UN						
BHUA-04	521.09				hJ		60		pale yl		PR-UN						
BHUA-04	521.62				J		10			CN	UN-IR	VR-RF					
BHUA-04	521.66				V		45		pale yl		PR-UN			2			
BHUA-04	521.80				hJ		70		pale yl		PR-UN						
BHUA-04	521.82	521.96			V	x2	30		pale yl		PR-UN			2			
BHUA-04	522.00				hJ		60		wh		PR-UN						
BHUA-04	522.00	522.25			hJ	x2	45		pale yl		PR-UN						
BHUA-04	522.01				hJ		70		pale yl		PR-UN						
BHUA-04	522.10				hJ		90		pale yl		PR-UN						
BHUA-04	522.14				J		30		bk	VN	PR-UN	RF-SM		3			
BHUA-04	522.21				hJ				wh		PR-UN						
BHUA-04	522.40				hJ		60		pale yl		PR-UN						
BHUA-04	522.48				hJ		70		bk		PR-UN						
BHUA-04	522.56				hJ		70		pale yl		PR-UN						
BHUA-04	522.75				hJ		70		bk		PR-UN						
BHUA-04	522.87				hJ		60		pale yl		PR						
BHUA-04	522.94				V		30		pale yl		PR-UN			1			
BHUA-04	523.20				hJ		70		wh		PR						
BHUA-04	523.46				hJ		10		pale yl		PR						
BHUA-04	523.65				hJ		45		pale yl		PR						
BHUA-04	523.87				hJ		90		wh		PR						
BHUA-04	524.20				hJ		90		wh		PR						
BHUA-04	524.34				hJ		30		bk		PR-UN						
BHUA-04	524.40	524.49			hJ	x2	60		pale yl		PR						
BHUA-04	524.60				hJ		70		wh		PR						
BHUA-04	524.75				hJ		10		pale yl		PR						
BHUA-04	524.82	525.05			hJ	x3	30		pale yl		PR						
BHUA-04	524.89				hJ		10		wh		PR						
BHUA-04	525.15				V		60		pale yl		PR-UN			1			
BHUA-04	525.24				hJ		45		pale yl		PR						
BHUA-04	525.26				J		10			CN	PR-UN	RF					
BHUA-04	525.34				hJ		10		bk		PR-UN						
BHUA-04	525.43				hJ		90		wh with alteration halo		PR						
BHUA-04	525.43	525.62			hJ	x2	30		pale yl		PR						
BHUA-04	525.64				J		10			CN	UN	RF					
BHUA-04	525.75				V		60		pale yl		PR-UN			2			
BHUA-04	525.95				V		90		bk		PR-UN			8			
BHUA-04	525.96	526.06			hJ	x2	30		pale yl and gn		PR-UN						
BHUA-04	526.07	526.15			hJ	x2	45		pale yl		PR-UN						
BHUA-04	526.18	526.29			hJ	x2	60		wh		PR-UN						
BHUA-04	526.19				J		60			CN	PR-UN	RF					
BHUA-04	526.23				hJ		60		pale yl		PR-UN						
BHUA-04	526.29	526.35			hJ	x3	20		pale yl and gn		PR-UN						
BHUA-04	526.51				V		60		wh		PR-UN			2			
BHUA-04	526.58				V		30		pale yl		PR-UN			2			
BHUA-04	526.61				V		20		pale yl and gn		PR-UN			2			
BHUA-04	526.64				V		60		pale yl		PR-UN			2			
BHUA-04	526.76				V		90		wh		UN			2			
BHUA-04	526.77				V		10		pale yl		PR-UN			2			
BHUA-04	526.87				hJ		70		wh		PR-UN						
BHUA-04	526.93				hJ		30		pale yl		PR-UN						
BHUA-04	526.96				hJ		45		pale yl		PR-UN						
BHUA-04	526.97				V		20		wh - pk		PR-UN			15			
BHUA-04	527.08				V		30		pale yl, wh		UN			12			
BHUA-04	527.16				V		45		pale yl, wh		UN			10			
BHUA-04	527.18				J		45		bk and wh	VN	PR-UN	RF		2			
BHUA-04	527.25				hJ	x2	30		gn pale yl		PR-UN						
BHUA-04	527.28	527.47			V		60		bk and wh		PR-UN			2			
BHUA-04	527.30				V		30		wh and pk		PR-UN			30			
BHUA-04	527.35				hJ		50		pale yl		PR-UN						
BHUA-04	527.40	527.56			V	x2	70		pale yl		PR-UN			2			
BHUA-04	527.45				V		10		wh and pk		PR-UN			20			
BHUA-04	527.47	527.56			hJ	x5	10		gn, pale yl		PR-UN						
BHUA-04	527.55				V		30		pale yl		UN			10			
BHUA-04	527.57				V		70		wh and bk		PR-UN			2			
BHUA-04	527.79				hJ		45		bk		PR-UN						
BHUA-04	527.91				hJ		10		bk		PR						
BHUA-04	527.94				hJ		60		pale yl		PR-UN						
BHUA-04	528.05	528.13			hJ	x2	45		wh		PR-UN						

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	528.18	528.63			V	x7	30		pale yl		PR-UN			3			
BHUA-04	528.32				J		20			CN	PR-UN	RF					
BHUA-04	528.45				hJ		70		wh/rd		PR-UN						
BHUA-04	528.52				V		45		wh with pale yl halo		UN			4			
BHUA-04	528.75	528.88			V	x2	45		pale yl		PR-UN			3			
BHUA-04	528.80				hJ		90		pale yl		PR-UN						
BHUA-04	528.90	529.00			V	x2	60		pale yl and bk		PR-UN			3			
BHUA-04	529.03	529.30			hJ	x2	70		pale yl		UN						
BHUA-04	529.08	529.18			hJ	x2	90		pale yl		UN						
BHUA-04	529.11	529.32			V	x8	60		pale yl		UN			8			
BHUA-04	529.20				hJ		10		bk		UN						
BHUA-04	529.28				J		30			CN	CU-UN	RF					
BHUA-04	529.29	529.70			V	x20	30		pale yl		UN			5			
BHUA-04	529.30	529.35			V	x5	85		pale yl/ gn		UN			15			
BHUA-04	529.40	529.84			AZ		60		wh/gn joints and healed joints with orientation of 60°	SN-VN	IR						
BHUA-04	529.84	530.37			J	x4	60		wh/gn clay alteration	VN	IR	VR					
BHUA-04	530.29	530.92			J	x3	20		wh and gn	CN	IR	VR					
BHUA-04	530.33	530.74			V	x6	85		pale yl		UN			2			
BHUA-04	530.34	531.11			V	x3	85		aple yl and gn		UN-ST			15			
BHUA-04	530.57	530.97			V	x5	60		aple yl and gn		UN-ST			5			
BHUA-04	531.05				V		80		pk and Qtz mi		UN						
BHUA-04	531.10	531.88			J	x2	20			CN	CU-UN	RF					
BHUA-04	531.12				J		80		wh and rd	CN	PR-UN	RF-SM		2			
BHUA-04	531.22				J		70		rd	SN	CU-UN	RF					
BHUA-04	531.32	531.66			V	x3	85		gn pale yl		UN			15			
BHUA-04	531.44	531.68			J		30		clay/qtz	VN	IR	VR					
BHUA-04	531.46	531.76			V	x3	80		wh / rd	CN	IR	VR-RF		3			
BHUA-04	531.75				hJ		80		pale yl and Qtz		PR-UN						
BHUA-04	531.84	531.98			V	x4	30		pale yl		UN			5			
BHUA-04	532.00				hJ		60		pale yl		PR-UN						
BHUA-04	532.14	532.90			V	x4	85		wh		CU-UN			2			
BHUA-04	532.54				J		20			CN	CU-UN	RF					
BHUA-04	532.62				V		60		wh mi		UN			8			
BHUA-04	532.66	532.97			hJ	x7	30		pale yl		PR-UN						
BHUA-04	532.75				J		45			CN	CU-UN	RF					
BHUA-04	532.82	533.10			V	x2	60		pale yl		PR-UN			5			
BHUA-04	533.00	533.35			V	x2	70		wh mi		UN-ST			3			
BHUA-04	533.03				V		20		wh pk and Qtz		UN			8			
BHUA-04	533.15				V		60		gn pale yl		UN			4			
BHUA-04	533.23	533.40			V	x3	30		gn pale yl		UN			5			
BHUA-04	533.31	533.54			J	x2	30		stain veener clay	SN-VN	PR-UN	RF					
BHUA-04	533.44				V		45		pk Qtz		PR			10			
BHUA-04	533.45	533.90			hJ	x15	70		wh		PR-UN						
BHUA-04	533.64	533.90			J	x2	70		wh and gn / gy clay	VN	PR	RF					
BHUA-04	533.90				J		45			CN	CU-UN	RF					
BHUA-04	533.90	534.25			AZ				multiple white joints and healed joints with orientatio	SN-VN	IR						
BHUA-04	534.05	534.78			V	x5	70		gn pale yl		UN			3			
BHUA-04	534.17				J		45			CN	ST-IR	RF					
BHUA-04	534.25				hJ	x3	85		wh		PR-UN						
BHUA-04	534.30	534.47			hJ	x2	70		pale yl		PR-UN						
BHUA-04	534.43	534.59			hJ	x4	70		wh		PR-UN						
BHUA-04	534.57	534.80			hJ	x3	85		pale yl		PR-UN						
BHUA-04	534.58				CO		30		pale yl		PR						
BHUA-04	535.00	535.20			V	x3	90		gn pale yl		UN			3			
BHUA-04	535.10				hJ		20		pale yl		PR-UN						
BHUA-04	535.12				J		45			CN	PR-UN	RF					
BHUA-04	535.20				J		60		Qtz, gn mi	CN	CU-UN	RF		3			
BHUA-04	535.25				V	x2	85		gn pale yl		UN			10			
BHUA-04	535.43	535.96			hJ	x12	30		pale yl		PR-UN						
BHUA-04	535.62				hJ		45		pale yl		PR-UN						
BHUA-04	535.64	536.35			hJ	x6	90		gn pale yl		PR-UN						
BHUA-04	536.15				J		30			CN	PR-UN	RF					
BHUA-04	536.22				hJ		40		pale yl		PR-UN						
BHUA-04	536.33	536.92			V		90		wh		PR-UN						
BHUA-04	536.39				V		60		pale yl		PR-UN			2			
BHUA-04	536.45	536.78			hJ	x3	20		pale yl		PR-UN						
BHUA-04	536.60	536.91			V	x6	70		pale yl		PR-UN			2			
BHUA-04	536.65				J		70			CN	PR-UN	RF					
BHUA-04	537.05				V		10		pale yl and bk		PR-UN			2			
BHUA-04	537.06	537.20			hJ	x3	70		bk		PR-UN						
BHUA-04	537.19	537.41			hJ	x2	30		pale yl		PR-UN						
BHUA-04	537.39				J		30			CN	PR-UN	RF					
BHUA-04	537.68				V		80		wh and gn		PR-UN			10			
BHUA-04	537.81				V		60		wh and gn		PR-UN			2			
BHUA-04	537.91				hJ	x2	45		pale yl		PR-UN						
BHUA-04	538.00				V		90		wh		UN			1			
BHUA-04	538.00	538.29			V	x2	90		wh and gn		UN			2			
BHUA-04	538.14				hJ		30		pale yl		PR-UN						
BHUA-04	538.55				hJ		60		pale yl		PR-UN						

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	538.80				hJ		10		pale yl		PR-UN						
BHUA-04	538.83	539.00			hJ		70		wh rd		PR-UN						
BHUA-04	538.93	539.00			hJ	x4	30		pale yl		PR-UN						
BHUA-04	539.00	539.16			hJ	x2	70		bk		PR-UN						
BHUA-04	539.15				J		60		gy	VN	IR	VR-RF					
BHUA-04	539.23	539.73			V	x8	45		pale yl		PR-UN			5			
BHUA-04	539.27	539.43			V		60		bk / wh	VN	PR-UN	RF		2			
BHUA-04	539.36	539.70			V	x5	45		pale yl		PR-UN			2			
BHUA-04	539.69				J		45			CN	UN-IR	RF					
BHUA-04	539.80	539.88			hJ	x4	10		pale yl		PR-UN						
BHUA-04	539.82	539.93			V		70		pale yl		PR-UN			4			
BHUA-04	540.00				V		30		pale yl		PR-UN			4			
BHUA-04	540.05				hJ		30		bk mi		PR-UN						
BHUA-04	540.21				hJ		60		pale yl		PR-UN						
BHUA-04	540.25				hJ		70		pale yl		PR-UN						
BHUA-04	540.44				hJ		10		pale yl		PR-UN						
BHUA-04	540.52				J		60		wh	VN	UN	RF					
BHUA-04	540.70				hJ		60		pale yl		PR-UN						
BHUA-04	540.70	540.90			hJ	x4	90		pale yl		PR-UN						
BHUA-04	540.75				hJ		45		pale yl		PR-UN						
BHUA-04	540.90	540.97			V	x2	60		pale yl		PR-UN			5			
BHUA-04	541.00	541.43			V	x5	80		pale yl		PR-UN			3			
BHUA-04	541.32	541.50			hJ	x9	30		pale yl		PR-UN						
BHUA-04	541.48	541.65			hJ	x5	60		pale yl		PR-UN						
BHUA-04	541.63				V		70		pale yl		PR-UN			3			
BHUA-04	541.71				J		30			CN	UN	RF					
BHUA-04	541.78	541.95			V	x2	65		bk mi		PR-UN			2			
BHUA-04	541.89	542.00			hJ	x2	60		pale yl		PR-UN						
BHUA-04	542.02				hJ		70		pale yl		PR-UN						
BHUA-04	542.23	542.30			hJ	x2	10		bk		PR-UN						
BHUA-04	542.44	542.56			hJ	x4	60		pale yl		PR-UN						
BHUA-04	542.45	543.05			hJ	x3	70		pale yl		PR-UN						
BHUA-04	542.75	543.70			hJ		90		wh mi		PR-UN						
BHUA-04	543.06	543.40			hJ		90		pale yl		UN						
BHUA-04	543.43	543.63			V	x2	80		pale yl		PR-UN			3			
BHUA-04	543.63				hJ		60		bk pale yl		PR-UN						
BHUA-04	543.71				hJ		60		wh rd		UN						
BHUA-04	543.84	544.60			V		90		pale yl		PR-UN			4			
BHUA-04	543.85	543.92			hJ	x3	10		bk mi		PR-UN						
BHUA-04	544.48	544.60			V	x3	90		pale yl		PR-UN			2			
BHUA-04	544.63				J		45			CN	PR	SM					
BHUA-04	544.68	544.85			hJ	x3	70		pale yl		PR-UN						
BHUA-04	544.68	544.90			hJ	x11	10		pale yl		PR-UN						
BHUA-04	544.94				hJ		60		wh		PR-CU						
BHUA-04	545.00	545.20			hJ	x3	80		pale yl		PR-UN						
BHUA-04	545.17	545.50			V	x5	70		pale yl		UN-IR			5			
BHUA-04	545.29	545.69			hJ	x7	10		bk		PR-UN						
BHUA-04	545.46				V		70		wh pale yl		PR-UN			8			
BHUA-04	545.79				J		5			CN	PR-UN	RF					
BHUA-04	545.82				hJ		60		pale yl		PR-UN						
BHUA-04	545.85				hJ		90		wh		PR-UN						
BHUA-04	546.13				hJ		70		pale yl		PR-UN						
BHUA-04	546.23	546.28			hJ	x2	10		pale yl		PR-UN						
BHUA-04	546.43				J		10			CN	IR	RF					
BHUA-04	546.70				hJ		45		pale yl		PR-UN						
BHUA-04	546.74	546.98			hJ	x3	70		pale yl		PR-UN						
BHUA-04	546.88	547.18			V		80		pale yl		PR-UN			2			
BHUA-04	547.28				V		40		wh with pk halo		PR-UN			2			
BHUA-04	547.42				hJ		50		pale yl		PR-UN						
BHUA-04	547.57				hJ		80		pale yl		PR-UN						
BHUA-04	548.00				hJ		70		pale yl		PR-UN						
BHUA-04	548.22				hJ		60		pale yl		PR-UN						
BHUA-04	548.40	548.53			hJ	x4	25		pale yl		PR-UN						
BHUA-04	548.40	548.65			V	x2	70		pale yl		PR			3			
BHUA-04	548.62	548.78			hJ	x2	90		wh pale yl		PR-UN						
BHUA-04	548.71	548.97			V	x4	70		pale yl		UN			3			
BHUA-04	548.83				V		30		gn pale gn		PR-UN			3			
BHUA-04	549.00				V		80		wh pale yl		PR-UN			5			
BHUA-04	549.11				hJ		70		bk		PR-UN						
BHUA-04	549.12				J		10			CN	ST-IR	RF					
BHUA-04	549.43				V		70		pale yl		PR-UN			2			
BHUA-04	549.47				J		30			CN	ST-IR	RF					
BHUA-04	549.58				hJ		80		pale yl		PR-UN						
BHUA-04	549.80	550.12			hJ	x6	70		pale yl		PR-UN						
BHUA-04	550.25	550.70			hJ	x4	45		gn pale yl		PR-UN						
BHUA-04	550.29	550.53			J	x2	45		gn pale yl	CN	PR	RF					
BHUA-04	550.30	550.90			V	x2	80		pale yl		PR-UN			2			
BHUA-04	550.67				V		60		wh		PR-UN			3			
BHUA-04	550.80	551.25			hJ	x2	85		gn mi		PR-UN						

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	551.14	551.44			V		80		pale yl		PR-UN			2			
BHUA-04	551.47	551.64			hJ	x2	60		wh		PR-UN						
BHUA-04	551.55	551.62			hJ	x2	30		wh		PR-UN						
BHUA-04	551.74				hJ				pale yl		PR-UN						
BHUA-04	551.77	552.00			V	x2	90		pale yl		PR-UN			3			
BHUA-04	551.87				V		45		pale yl		PR-UN			2			
BHUA-04	552.00				V		20		pale yl		PR-UN			20			
BHUA-04	552.10	553.00			hJ	x11	70		pale yl		PR-UN						
BHUA-04	552.46				J		10			CN	IR	RF					
BHUA-04	552.90				J		20			CN	PR-UN	RF					
BHUA-04	553.05	553.18			hJ	x4	5		pale yl		PR-UN						
BHUA-04	553.25				J		10			CN	PR-UN	RF					
BHUA-04	553.29	553.75			hJ	x7	80		pale yl		PR-UN						
BHUA-04	553.39	554.21			hJ	x6	10		bk pale yl		PR-UN						
BHUA-04	553.75				V		80		pale yl		PR-UN			4			
BHUA-04	554.00	554.21			hJ	x2	80		pale yl		PR-UN						
BHUA-04	554.48				V		60		bk and gn mi		PR-UN			15			
BHUA-04	554.52				hJ		70		wh mi		PR-UN						
BHUA-04	554.65	555.34			J		85		wh pale yl	VN	PR-UN	RF		8			
BHUA-04	554.76				hJ		80		pale yl		PR-UN						
BHUA-04	554.95				V		45		pale yl		PR-UN			3			
BHUA-04	555.08	555.43			J	x6	10		pale yl	CN	IR	RF					
BHUA-04	555.15	555.28			hJ	x3	60		pale yl		PR-UN						
BHUA-04	555.30	555.53			J	x5	80		wh pale yl	VN	PR-UN	RF		5			
BHUA-04	555.46	555.60			V	x8	45		wh pale yl		PR-UN			2			
BHUA-04	555.60	555.73			hJ	x3	85		wh mi		PR-UN						
BHUA-04	556.02				hJ		20		pale yl		PR-UN						
BHUA-04	556.16				hJ		60		pale yl		PR-UN						
BHUA-04	556.19				hJ		45		pale yl		PR-UN						
BHUA-04	556.42	556.82			V	x4	45		pale yl		PR-UN			3			
BHUA-04	556.82	556.88			hJ	x3	30		bk		PR-UN						
BHUA-04	556.92	557.10			hJ	x2	90		bk		PR-UN						
BHUA-04	557.00	558.54			hJ	x2	90		wh		PR						
BHUA-04	557.02	557.20			hJ	x4	60		gn pale yl		UN						
BHUA-04	557.22				J		20			CN	PR-CU	RF					
BHUA-04	557.26	557.35			hJ	x3	45		bk/gn		PR-UN						
BHUA-04	557.53				J		10			CN	PR-CU	RF					
BHUA-04	557.60	557.78			hJ	x3	80		bk pale yl		PR-UN						
BHUA-04	557.72	557.80			hJ	x3	60		pale yl		PR-UN						
BHUA-04	557.80				V		45		wh		PR-UN			2			
BHUA-04	557.90	558.00			hJ	x2	70		bk		PR-UN						
BHUA-04	558.01	558.20			hJ	x5	25		bk		PR-UN						
BHUA-04	558.17				J		10			CN	PR-CU	RF					
BHUA-04	558.28	558.87			V		85		wh		PR-UN			1			
BHUA-04	558.45				J		10			CN	PR-CU	RF					
BHUA-04	558.49	558.68			hJ	x3	50		pale yl		PR-UN						
BHUA-04	558.61				hJ		70		wh		PR-UN						
BHUA-04	558.73	558.92			V	x2	45		bk pale yl		PR-UN			3			
BHUA-04	558.77	559.32			V	x5	70		pale yl		PR-UN			2			
BHUA-04	559.08	559.20			hJ	x3	70		bk		PR-UN						
BHUA-04	559.17	559.26			V	x4	20		pale yl		PR-UN			2			
BHUA-04	559.41				V		45		bk		PR-UN			2			
BHUA-04	559.52	559.56			hJ	x2	20		pale yl		PR-UN						
BHUA-04	559.60	559.94			hJ	x2	60		pale yl		PR-UN						
BHUA-04	559.61	559.78			hJ	x6	20		pale yl		PR-UN						
BHUA-04	559.77				V		45		pale yl		PR-UN			2			
BHUA-04	559.82				hJ		80		wh		PR-UN						
BHUA-04	559.89	560.05			V	x2	70		pale yl		PR-UN			2			
BHUA-04	560.00	560.82			V		90		wh		PR-UN			4			
BHUA-04	560.10				V		30		pale yl		PR-UN			2			
BHUA-04	560.18	561.34			hJ	x25	25		bk pale yl		PR-UN						
BHUA-04	560.97				J		20		wh	VN	PR-UN	RF		3			
BHUA-04	561.10	561.70			hJ	x7	65		bk		PR-UN						
BHUA-04	561.22	561.54			V		90		wh		PR-UN			2			
BHUA-04	561.67	562.14			hJ	x25	25		bk pale yl		PR-UN						
BHUA-04	561.74	562.35			hJ	x5	85		bk pale yl		PR-UN						
BHUA-04	561.90	562.05			hJ	x4	70		bk pale yl		PR-UN						
BHUA-04	562.36	563.42			hJ	x20	30		bk pale yl		PR-UN						
BHUA-04	562.44				J		20			CN	UN	RF					
BHUA-04	562.97				J		20			CN	UN	RF					
BHUA-04	563.50	563.93			hJ	x7	20		bk pale yl		PR-UN						
BHUA-04	563.69				J		10			CN	UN	RF					
BHUA-04	563.80				hJ		40		pale yl		PR-UN						
BHUA-04	563.82				hJ		70		pale yl		PR-UN						
BHUA-04	564.14	564.27			hJ	x2	85		wh		PR-UN						
BHUA-04	564.22				hJ		5		wh		PR-UN						
BHUA-04	564.32	564.48			hJ	x3	20		bk		PR-UN						
BHUA-04	564.34	564.49			J	x2	30		bk	CN	UN	RF					
BHUA-04	564.52				V		80		bk		PR-UN			4			

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	564.80				hJ		60		bk		PR-UN						
BHUA-04	565.00	565.75			hJ	x5	70		pale yl		PR-UN						
BHUA-04	565.07	565.47			hJ	x7	20		bk		PR-UN						
BHUA-04	565.44	565.73			V	x2	20		wh		UN			2			
BHUA-04	565.50				J		20			CN	PR	RF					
BHUA-04	565.78				hJ		45		bk		PR-UN						
BHUA-04	565.82				hJ		10		wh		PR						
BHUA-04	565.86				hJ		80		wh and bk		UN						
BHUA-04	566.03				V		60		bk pale yl		PR-UN			4			
BHUA-04	566.16				V		70		wh with some pyrite		CU-UN			2			
BHUA-04	566.20				V		20		bk		PR-UN			3			
BHUA-04	566.34				V		70		pale yl		PR-UN			4			
BHUA-04	566.40	566.50			V		10		bk		PR-UN			10			
BHUA-04	566.53	566.76			V	x4	60		bk and pale yl		PR-UN			2			
BHUA-04	566.73				V		70		bk		PR-UN			2			
BHUA-04	566.90				V		20		bk		PR-UN			2			
BHUA-04	566.91				V		60		bk and pale yl		PR-UN			4			
BHUA-04	567.07				V		80		bk and wh		CU-UN			10			
BHUA-04	567.16				V		70		wh with some pyrite		CU-UN			2			
BHUA-04	567.25				V		30		wh with some pyrite with pale yl alteration halo 50mm		CU-UN						
BHUA-04	567.45				J		20			CN	UN	RF					
BHUA-04	567.48				V		30		wh with some pyrite 5mm		CU-UN			5			
BHUA-04	567.52				V	x2	90		wh		UN			2			
BHUA-04	567.63				J		20			CN	PR-UN	RF					
BHUA-04	567.80	568.25			hJ	x7	70		pale yl		PR-UN						
BHUA-04	567.86	568.10			hJ	x2	70		pale yl		PR-UN						
BHUA-04	568.07				hJ		30		wh		PR-UN						
BHUA-04	568.20				hJ		90		pale yl		UN						
BHUA-04	568.25	568.70			V		85		bk pale yl		UN			2			
BHUA-04	568.40	568.60			hJ	x2	60		pale yl		PR-UN						
BHUA-04	568.40	569.00			hJ	x2	85		pale yl		PR-UN						
BHUA-04	568.53	568.92			hJ	x9	30		pale yl		PR-UN						
BHUA-04	569.04	569.88			hJ	x9	20		bk pale yl		PR-UN						
BHUA-04	569.10	569.38			V		85		wh gn pale yl		UN			15			
BHUA-04	569.42	569.80			hJ	x3	90		bk		PR-UN						
BHUA-04	569.58	569.70			hJ	x2	70		bk pale yl		PR-UN						
BHUA-04	569.80	569.95			hJ	x2	60		pale yl		PR-UN						
BHUA-04	570.00	570.30			V		85		pale yl		PR-CU			2			
BHUA-04	570.50				hJ		70		pale yl		PR-UN						
BHUA-04	570.54	570.62			hJ	x3	20		pale yl		PR-UN						
BHUA-04	570.68				hJ		60		pale yl		PR-UN						
BHUA-04	570.68	571.00			hJ		90		wh		PR-UN						
BHUA-04	571.05	571.19			hJ	x3	20		bk pale yl		PR-UN						
BHUA-04	571.20				hJ		45		pale yl		PR-UN						
BHUA-04	571.33	571.45			hJ	x3	10		bk		PR-UN						
BHUA-04	571.41				hJ		45		bk		PR-UN						
BHUA-04	571.46	571.53			hJ	x2	30		wh		PR-UN						
BHUA-04	571.48				hJ		85		dark gn		PR-UN						
BHUA-04	571.50				V		20		wh		UN			10			
BHUA-04	571.60				V		70		gn pale yl		UN			5			
BHUA-04	571.68	571.88			hJ	x3	30		pale yl		PR-UN						
BHUA-04	571.90	572.77			hJ	x2	90		wh / gn		PR-UN			1			
BHUA-04	572.00	572.28			hJ	x3	70		bk		PR-UN						
BHUA-04	572.12	572.22			hJ	x5	10		bk		PR-UN						
BHUA-04	572.25				hJ		45		pale yl		PR-UN						
BHUA-04	572.25	572.93			V	x6	70		pale yl		PR-UN			3			
BHUA-04	572.25	573.70			hJ	x3	70		pale yl		PR-UN						
BHUA-04	572.40				hJ		70		wh		PR-UN						
BHUA-04	572.61				V		5		wh mi		PR-UN			10			
BHUA-04	572.63	572.84			hJ	x9	20		bk pale yl		PR-UN						
BHUA-04	573.00	573.21			V	x3	80		gn pale yl		UN			3			
BHUA-04	573.38				hJ		45		bk		PR-UN						
BHUA-04	573.72				V		80		pale yl		PR-UN			3			
BHUA-04	573.73				hJ		60		bk		PR-UN						
BHUA-04	573.91				V	x2	5		pale yl		PR-UN			5			
BHUA-04	574.04	574.13			V	x3	20		pale yl		PR-UN			3			
BHUA-04	574.13				V		60		bk pale yl		PR-UN			3			
BHUA-04	574.24	574.30			hJ	x2	45		pale yl		PR-UN						
BHUA-04	574.35				hJ		20		pale yl		PR-UN						
BHUA-04	574.37	574.52			V		90		wh		UN			3			
BHUA-04	574.66				hJ		80		wh		PR-UN						
BHUA-04	574.82				hJ		70		pale yl		PR-UN						
BHUA-04	574.92				hJ		45		pale yl		PR-UN						
BHUA-04	574.93	575.60			hJ	x8	80		wh pale yl		PR-UN						
BHUA-04	575.03				hJ		20		pale yl		PR-UN						
BHUA-04	575.73	575.88			hJ	x4	70		pale yl		PR-UN						
BHUA-04	575.84	575.97			hJ		90		pale yl		PR-UN						
BHUA-04	576.00	576.67			V	x8	80		pale yl		PR-UN			4			
BHUA-04	576.07				hJ		10		bk pale yl		PR-UN						

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	576.75	577.00			hJ	x4	80		pale yl		PR-UN						
BHUA-04	577.08				V		70		wh gy		PR-UN			3			
BHUA-04	577.10	577.21			V	x3	70		pale yl		PR-UN			2			
BHUA-04	577.25	577.62			hJ	x2	80		pale yl		PR-UN						
BHUA-04	577.51	577.58			hJ	x2	10		bk		PR-UN						
BHUA-04	577.96	578.19			hJ	x2	45		bk		PR-UN						
BHUA-04	578.06	578.52			V		90		bk pale yl		CU-UN			3			
BHUA-04	578.24				hJ		45		pale yl		PR-UN						
BHUA-04	578.28				hJ		30		bk		PR-UN						
BHUA-04	578.51	578.92			hJ	x4	80		pale yl		PR-UN						
BHUA-04	578.61	578.95			hJ	x6	20		bk		PR-UN						
BHUA-04	579.00	579.21			hJ	x2	85		pale yl and gn with alteration halo		PR-UN						
BHUA-04	579.04				V		20		wh		PR-UN			8			
BHUA-04	579.12	579.95			hJ	x8	85		pale yl		PR-UN						
BHUA-04	579.34				hJ		85		wh		PR-UN						
BHUA-04	579.77				hJ		5		bk/pale yl		PR-UN						
BHUA-04	580.00				hJ		60		pale yl		PR-UN						
BHUA-04	580.02	580.50			hJ	x3	80		bk/pale yl		PR-UN						
BHUA-04	580.45				V		80		pale yl		PR-UN			3			
BHUA-04	580.71	580.89			hJ	x5	45		bk		PR-UN						
BHUA-04	580.84	581.30			hJ	x3	45		pale yl		PR-UN						
BHUA-04	581.10				V		20		bk		PR-UN			3			
BHUA-04	581.12				hJ		70		pale yl		PR-UN						
BHUA-04	581.55	582.00			hJ	x11	20		bk		PR-UN						
BHUA-04	581.70				hJ		70		pale yl		PR-UN						
BHUA-04	582.03	582.23			hJ	x3	30		bk		PR-UN						
BHUA-04	582.04				V		45		pale yl		PR-UN			10			
BHUA-04	582.23	582.46			V	x3	30		pale yl		PR-UN			10			
BHUA-04	582.25	582.41			hJ	x8	45		pale yl		PR-UN						
BHUA-04	582.48				hJ		70		pale yl		PR-UN						
BHUA-04	582.58	582.67			hJ	x2	30		wh		PR-UN						
BHUA-04	582.78				V		50		pale yl		PR			5			
BHUA-04	582.82	583.38			hJ	x16	30		bk pale yl		PR						
BHUA-04	582.85				V		60		pale yl		PR			5			
BHUA-04	583.00				V		85		pale yl		PR-UN			5			
BHUA-04	583.07	583.30			hJ	x6	70		wh and bk		PR-UN						
BHUA-04	583.20				hJ		85		pale yl		PR-UN						
BHUA-04	583.36				hJ		10		bk mi		PR						
BHUA-04	583.40	583.55			hJ	x2	70		pale yl		UN-IR						
BHUA-04	583.59				J		45		Qtz	VN	PR-UN	RF-SM					
BHUA-04	583.63	584.28			AZ		55		pale gn and wh mi	CT	IR						
BHUA-04	583.68				hJ		40		wh		PR						
BHUA-04	584.00	585.60			V	x18	40		pale yl		CU-UN			10			
BHUA-04	584.43				V		28		wh/gy/pale yl. Vein brecciated		CU-UN			40			
BHUA-04	584.55	584.70			hJ	x5	70		pale yl		UN-IR						
BHUA-04	584.94				V		70		pale yl		CU-UN			5			
BHUA-04	585.06				V		70		pale yl		PR-UN			4			
BHUA-04	585.28	585.52			hJ	x3	45		pale yl		CU-UN			3			
BHUA-04	585.30				J		20		pale yl	SN	ST-IR	RF					
BHUA-04	585.30	585.44			J		50		qz veins	VN	PR-UN	RF-SM					
BHUA-04	585.30	585.60			V	x3	45		wh mi		CU-UN			3			
BHUA-04	585.35	586.00			AZ						IR						
BHUA-04	585.85				J		10		gn mi	SN	ST-IR	RF-SM					
BHUA-04	585.94				V		45		wh		PR-UN			5			
BHUA-04	586.06	586.93			hJ	x12	70		pale yl		PR-UN						
BHUA-04	586.18	587.17			hJ	x19	45		pale yl		PR-UN						
BHUA-04	586.20	586.54			hJ	x3	60		wh		PR-UN						
BHUA-04	586.40				V		45		pale yl		PR-UN			3			
BHUA-04	586.60				V		75		Qtz vein pyrite mineralisation		PR-UN			12			
BHUA-04	586.80				V		75		gn vein pyrite mineralisation		PR-UN			5			
BHUA-04	587.03				V		40		gn vein		PR-UN			5			
BHUA-04	587.18				V		45		pale yl		PR-UN			3			
BHUA-04	587.28				V		55		dark gn vein 40mm lamprophyre/granite		UN			40			
BHUA-04	587.46	587.60			hJ	x3	45		pale yl		PR-UN						
BHUA-04	587.67				V		60		pale yl		PR-UN			3			
BHUA-04	587.70	587.90			V	x2	75		pale yl/dark gn		CU-UN			3			
BHUA-04	588.02				V		10		pale yl		UN			3			
BHUA-04	588.04	588.16			hJ		90		pale yl		PR-IR						
BHUA-04	588.12				V		5		wh		PR			12			
BHUA-04	588.20				J		10			CN	CU	SM					
BHUA-04	588.25	588.48			hJ		30		pale yl		PR-IR						
BHUA-04	588.38				V		5		pale yl / gn pyrite mineralisation		PR			5			
BHUA-04	588.50				J		20			CN	PR	SM					
BHUA-04	588.52	588.70			hJ	x4	70		bk pale yl		PR-UN						
BHUA-04	588.83				hJ	x4	50		pale yl		PR-UN						
BHUA-04	589.12				V		70		wh		PR			5			
BHUA-04	589.36				hJ		30		pale yl		PR						
BHUA-04	589.54				V		60		bk pale yl		PR-UN			5			
BHUA-04	589.55	590.10			hJ	x11	55		pale yl		PR-UN						

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	589.63				V		30		wh pale yl		UN			7			
BHUA-04	589.85				V		60		gy pale yl		UN			12			
BHUA-04	590.15				V		70		pale yl		UN			5			
BHUA-04	590.18				V		10		br pale yl		PR-UN			10			
BHUA-04	590.20	590.80			V	x7	45		dark gn, pale yl		CU-UN			12			
BHUA-04	590.68				V		70		gy		PR-UN			5			
BHUA-04	591.23	591.70			hJ	x10	20		pale yl		PR-UN						
BHUA-04	591.32				hJ		60		br		PR-UN						
BHUA-04	591.42				hJ		70		bk		CU-UN						
BHUA-04	591.56				V		20		br		PR-UN			5			
BHUA-04	591.60				hJ		50		pale yl		PR-UN						
BHUA-04	591.67				V		80		br		PR-UN			5			
BHUA-04	591.82				V		5		dark gy		PR-UN			5			
BHUA-04	591.90	592.00			hJ	x4	10		pale yl		PR-UN						
BHUA-04	592.07				V		20		pale yl		PR-UN			10			
BHUA-04	592.40				hJ		80		pale yl		UN-IR						
BHUA-04	592.46				V		75		wh pale yl		IR			5			
BHUA-04	592.70	592.88			hJ	x2	75		bk		IR						
BHUA-04	592.84				J		20			CN	IR	RF					
BHUA-04	593.05				V		10		dark gn		PR-UN						
BHUA-04	593.18	593.59			hJ	x10	20		bk pale yl		PR-CU			5			
BHUA-04	593.19				J		5			CN	IR	RF					
BHUA-04	593.30				V		60		wh mi		PR-IR			5			
BHUA-04	593.55				J		10			CN	IR	RF					
BHUA-04	593.64	594.00			hJ	x16	15		bk / yl		PR-CU						
BHUA-04	593.93				V		45		bk pale yl		PR-UN			5			
BHUA-04	594.09				hJ		35		wh		PR-UN						
BHUA-04	594.20	594.38			hJ	x2	25		pale yl		UN						
BHUA-04	594.20	594.60			hJ	x14	10		pale yl		UN						
BHUA-04	594.26				J		5			CN	IR	RF					
BHUA-04	594.30				V		30		bk pale yl		PR-UN			8			
BHUA-04	594.34				V		60		bk pale yl		PR-UN			10			
BHUA-04	594.58				V		20		bk pale yl		PR-UN			5			
BHUA-04	594.70	594.74			hJ	x2	5		pale yl		UN						
BHUA-04	594.78	594.92			hJ	x3	15		bk pale yl		PR-UN						
BHUA-04	594.88	594.96			hJ	x4	60		bk pale yl		PR-UN						
BHUA-04	595.05	595.72			hJ	x17	45		bk pale yl		CU-UN						
BHUA-04	595.17				V		30		bk pale yl		PR-UN			5			
BHUA-04	595.23				CO		50		granite/lamprophyre		CU-UN						
BHUA-04	595.40	595.48			V	x2	25		pale yl		PR-CU			5			
BHUA-04	595.50	595.80			hJ		80		wh		UN						
BHUA-04	595.67	595.75			hJ	x5	15		pale yl		PR						
BHUA-04	595.69	596.30			V	x9	60		wh pale yl		PR-CU			10			
BHUA-04	596.00	596.56			hJ	x12	35		pale yl		PR-UN						
BHUA-04	596.08	596.48			V	x5	30		bk pale yl		PR-CU			5			
BHUA-04	596.25	597.00			hJ	x8	60		wh bk pale yl		PR-UN						
BHUA-04	596.60	597.69			J		5			CN	PR-CU	RF					
BHUA-04	596.75				V		60		wh		UN			5			
BHUA-04	597.08	597.40			V	x5	20		pale yl/wh/py		PR-CU			5			
BHUA-04	597.10	597.24			hJ	x4	60		wh		PR						
BHUA-04	597.45	597.68			V	x4	65		pale yl/bk/wh		PR-CU			12			
BHUA-04	597.55				J		5			CN	CU	RF					
BHUA-04	597.70	598.20			hJ	x6	25		wh		PR-CU						
BHUA-04	597.80				V		70		wh		PR-UN			5			
BHUA-04	597.81	597.89			V	x2	20		pale yl		PR-UN			5			
BHUA-04	597.81	598.25			hJ	x5	10		bk pyrite/Cpy mineralisation		PR-CU						
BHUA-04	598.02				V		50		wh		PR-UN			10			
BHUA-04	598.04	598.17			hJ	x4	35		wh		PR-CU						
BHUA-04	598.06	598.18			hJ	x3	45		wh		PR-CU						
BHUA-04	598.33				V		45		pale yl		UN			10			
BHUA-04	598.43				V		60		pale yl		PR-UN			5			
BHUA-04	598.49				V		35		dark gn		PR-UN			5			
BHUA-04	598.51				V		80		pale yl pyrite/Cpy mineralisation		UN-IR			10			
BHUA-04	598.57	598.95			V	x8	50		gn pale yl		PR-UN			5			
BHUA-04	598.78	598.84			V		75		gn/pale yl pyrite/Cpy mineralisation x2		UN-IR			10			
BHUA-04	599.14	599.66			V	x4	45		gn/pale yl		UN			20			
BHUA-04	599.78	600.05			V	x5	60		bk		UN			5			
BHUA-04	599.83	599.91			V	x3	75		gy and wh		UN			5			
BHUA-04	599.91	599.96			hJ	x7	30		bk		PR-UN						
BHUA-04	599.98				J		30		pyrite infill	VN	UN-ST	SM		2			
BHUA-04	600.03	600.35			hJ	x4	70		br		PR-CU						
BHUA-04	600.03	600.43			hJ		10		dark gn pyrite/Cpy mineralisation x9		CU-UN			2			
BHUA-04	600.07	600.46			V	x12	40		dark gn pyrite/Cpy mineralisation		CU-UN			10			
BHUA-04	600.44				J		25			CN	PR-CU	SM					
BHUA-04	600.50				CO		45		lamprophyre/alternated granite		CU-UN						
BHUA-04	600.53	600.65			hJ	x5	75		br		PR-UN						
BHUA-04	600.61				J		15			CN	UN-ST	RF					
BHUA-04	600.67	600.70			hJ	x2	50		gn mi		PR-UN						
BHUA-04	601.03	601.36			hJ	x10	55		br pale yl		PR-UN						

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	601.08	601.91			V	x8	75		bk		PR-UN			3			
BHUA-04	601.10	601.33			hJ	x3	85		br		PR-UN						
BHUA-04	601.42	601.62			V	x4	75		gn pale yl		PR-UN			10			
BHUA-04	601.45	601.64			hJ	x6	55		br pale yl		PR-UN						
BHUA-04	601.62				CO		50		basalto/alternated granite		PR-UN	RF					
BHUA-04	601.70				V		50		br - gn mi		PR-UN			10			
BHUA-04	601.71	601.89			hJ	x8	75		bk pale yl		PR-UN						
BHUA-04	601.82	602.16			hJ	x11	25		bk pale yl		PR-UN						
BHUA-04	602.05	602.23			hJ	x7	45		pale yl		PR-UN						
BHUA-04	602.09				J		35			CN	CU-UN	RF					
BHUA-04	602.35	602.65			V	x2	50		pale yl		PR-UN			5			
BHUA-04	602.38	602.96			hJ	x25	45		pale yl		PR-UN						
BHUA-04	602.40	602.87			hJ	x12	10		pale yl		PR-UN						
BHUA-04	602.75	602.91			V	x3	55		wh		PR-UN			5			
BHUA-04	602.77	602.89			J	x2	35		Qtz vein	VN	UN-ST	RF					
BHUA-04	602.85				J		60			CN	UN-ST	RF					
BHUA-04	602.94				V	x3	80		wh mi		PR-UN			5			
BHUA-04	602.95				J		45		bk and wh mi	CN	PR-UN	SM					
BHUA-04	603.00	603.44			hJ	x5	70		br pale yl		PR-UN						
BHUA-04	603.05	603.38			hJ	x8	30		bk mi		PR-UN						
BHUA-04	603.55	603.63			hJ	x4	45		bk mi		PR-UN						
BHUA-04	603.60	603.72			hJ	x2	80		pale yl		PR-UN						
BHUA-04	603.74				V		60		pale yl		PR-UN			5			
BHUA-04	603.79	603.84			hJ	x3	45		bk mi		PR-UN						
BHUA-04	603.90	604.22			V	x7	75		pale yl		PR-UN			5			
BHUA-04	604.25	604.59			V	x5	30		pale yl		PR-UN			5			
BHUA-04	604.25	604.82			hJ	x6	85		pale yl		PR-UN						
BHUA-04	604.85				J		45			CN	CU-UN	SM					
BHUA-04	604.85	604.96			hJ	x3	70		pale yl		PR-UN						
BHUA-04	604.88				V		25		pale yl		PR-UN			5			
BHUA-04	604.97				V		70		pale yl		PR-UN			5			
BHUA-04	605.02	605.26			V	x3	75		pale yl		PR-UN			10			
BHUA-04	605.02	605.48			hJ	x7	60		pale yl		PR-UN						
BHUA-04	605.22	605.69			V	x5	85		white circular veins yl		PR-UN			5			
BHUA-04	605.55	606.85			V	x2	65		pale yl		PR-UN			10			
BHUA-04	605.88	606.20			V	x2	90		wh mi		PR-UN			5			
BHUA-04	605.89	605.94			hJ	x2	45		pale yl		PR-UN						
BHUA-04	606.17	606.23			hJ	x2	35		pale yl		PR-UN						
BHUA-04	606.20	606.42			J	x2	40		pale yl mi	CN	UN	RF					
BHUA-04	606.28	606.62			J	x2	80		Qtz veins	VN	UN	RF					
BHUA-04	606.45	606.57			hJ	x4	70		pale yl		PR-UN						
BHUA-04	606.60	607.86			V		90		wh and bj		PR-UN			5			
BHUA-04	606.61				J		15			CN	UN-ST	RF					
BHUA-04	606.70				V		45		pale yl		PR-CU			10			
BHUA-04	606.91	607.08			V	x2	65		pale yl		PR-UN			5			
BHUA-04	607.00	607.29			V		85		bk mi		PR-UN			5			
BHUA-04	607.08				V		25		gn pale yl		PR-UN			5			
BHUA-04	607.24	607.75			hJ	x3	60		bk pale yl		PR-UN						
BHUA-04	607.71	607.74			hJ	x3	45		wh pale yl		PR-UN						
BHUA-04	607.85				J		50		Qtz vein	VN	UN	RF-SM		5			
BHUA-04	607.89	608.04			V		85		bk and gn mi		PR-UN			5			
BHUA-04	607.92	608.30			hJ	x5	40		wh pale yl		PR-UN						
BHUA-04	608.08				J		10			CN	UN-ST	RF					
BHUA-04	608.14	608.61			V	x4	85		wh / gn		PR-UN			5			
BHUA-04	608.23	608.32			hJ	x3	50		wh pale yl		PR-UN						
BHUA-04	608.51	609.41			V	x9	45		gn pale yl		PR-UN			5			
BHUA-04	608.81				J		45		rd stain alteration	SN	CU	SM					
BHUA-04	609.08	609.56			hJ	x5	65		wh pale yl		PR-UN						
BHUA-04	609.12	609.51			hJ	x5	20		bk and gn		PR-UN						
BHUA-04	609.13	609.73			V	x6	60		gn pale yl		PR-UN			5			
BHUA-04	609.18				J		5			CN	UN	RF					
BHUA-04	609.19				J		5			CN	UN	RF					
BHUA-04	609.37	609.93			hJ	x6	45		wh pale yl		PR-UN						
BHUA-04	609.41				J		15		pale yl mi	VN	UN	RF					
BHUA-04	609.56	609.62			V	x3	50		gn pale yl		PR-UN			5			
BHUA-04	609.75	609.97			hJ	x7	60		wh pale yl		PR-UN						
BHUA-04	609.89				V		70		wh / gn		PR-UN			5			
BHUA-04	610.08				V		75		gn pale yl		PR-UN			7			
BHUA-04	610.15	610.75			V	x7	45		gn pale yl		PR-UN			5			
BHUA-04	610.42	610.86			hJ	x5	45		pale yl		PR-UN						
BHUA-04	610.87	610.97			hJ	x5	70		pale yl		PR-UN						
BHUA-04	610.94				V		75		gn pale yl		PR-UN			7			
BHUA-04	610.97				J		15		pale yl mi	VN	UN	RF					
BHUA-04	611.00	611.17			hJ	x3	70		wh pale yl		PR-UN						
BHUA-04	611.03	611.07			hJ	x2	30		pale yl		PR-UN						
BHUA-04	611.20				J		60				PR-CU	SM-PO					
BHUA-04	611.20	612.40			hJ	x20	45		pale yl		PR-UN						
BHUA-04	611.22	611.62			hJ	x7	5		wh pale yl		PR-UN						
BHUA-04	611.40	612.13			V	x9	60		pale yl veins/halos		CU-UN			5			

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	611.47	612.26			hJ	x16	20		pale yl		PR-UN						
BHUA-04	611.63	611.67			V	x4	25		pale yl veins/halos		PR-UN			5			
BHUA-04	611.70	611.71			hJ	x6	85		wh pale yl		PR-UN						
BHUA-04	612.32				J		25			CN	CU	SM					
BHUA-04	612.33				V		20		gn pale yl		PR-UN			5			
BHUA-04	612.38				CO		60		granite/basalt		PR-CU						
BHUA-04	612.43	612.72			hJ	x5	55		bk pale yl		PR-UN						
BHUA-04	612.46				J		25			CN	UN-ST	RF					
BHUA-04	612.59				V		90		wh mi		PR-UN			5			
BHUA-04	612.66	612.71			V	x2	60		pale yl veins		PR-UN			5			
BHUA-04	612.83	612.90			hJ	x4	50		bk		PR-UN						
BHUA-04	612.84	612.99			V		90		wh / or		PR-UN			5			
BHUA-04	613.02	613.77			hJ	x13	45		pale yl		PR-UN						
BHUA-04	613.03	613.72			hJ	x9	60		pale yl		PR-UN						
BHUA-04	613.04	613.76			hJ	x8	30		pale yl		PR-UN						
BHUA-04	613.10				J		20			CN	UN-ST	RF					
BHUA-04	613.14	613.81			V	x6	35		pale yl veins/halos		CU-UN			10			
BHUA-04	613.45	613.92			V	x6	50		pale yl veins/halos		CU-UN			5			
BHUA-04	613.83	614.12			hJ	x10	50		bk		PR-UN						
BHUA-04	614.08	614.35			hJ	x8	45		pale yl		PR-UN						
BHUA-04	614.23				hJ		50		pale yl		PR						
BHUA-04	614.27				V		45		pale yl		PR-UN			30			
BHUA-04	614.51				J		30			CN	UN-ST	RF					
BHUA-04	614.56	615.17			V	x3	35		pale yl veins/halos		CU-UN			5			
BHUA-04	615.00	615.41			V	x3	65		pale yl veins/halos		CU-UN			20			
BHUA-04	615.18				J		15			CN	CU-UN	RF					
BHUA-04	615.47	615.56			hJ	x4	55		pale yl		PR-UN						
BHUA-04	615.47	615.66			hJ	x3	85		bk pale yl		PR-UN						
BHUA-04	615.57	615.63			hJ	x3	65		bk		PR-UN						
BHUA-04	615.71	615.88			hJ	x4	25		bk		CU-UN						
BHUA-04	615.72	615.80			hJ	x3	55		pale yl		CU-UN						
BHUA-04	615.80	615.84			hJ	x4	30		pale yl		CU-UN						
BHUA-04	616.04	616.11			hJ	x3	25		pale yl		CU-UN						
BHUA-04	616.26				hJ		30		black		PR-UN						
BHUA-04	616.33	616.54			J	x3	50		pale yl mi		CU-UN	RF-SM					
BHUA-04	616.35	616.60			V	x3	45		pale yl veins/halos		CU-UN			25			
BHUA-04	616.55				CO		45		granite/basalt		CU						
BHUA-04	616.69	616.97			hJ	x10	45		pale yl		CU-UN						
BHUA-04	616.75				V		45		pale yl		PR-UN			3			
BHUA-04	616.84				J		85			CN	UN-IR	RF					
BHUA-04	616.86				V		60		pale yl		PR-UN			3			
BHUA-04	617.00	617.40			hJ	x17	45		wh pale yl		PR-UN						
BHUA-04	617.14	617.45			hJ	x9	30		wh/pale yl		PR-UN						
BHUA-04	617.21	617.35			J		75		Qtz vein	VN	UN-IR	RF		3			
BHUA-04	617.36				J		40			CN	UN-IR	RF					
BHUA-04	617.36	617.73			V	x5	60		pale yl veins/halos		CU-UN			15			
BHUA-04	617.58	617.87			hJ	x8	70		wh pale yl		PR-UN						
BHUA-04	617.89				J		45			CN	UN-IR	RF					
BHUA-04	618.06	619.32			V	x2	85		wh mi		CU-UN						
BHUA-04	618.09				V		45		pale yl		PR-UN			30			
BHUA-04	618.14				hJ		40		pale yl		PR-UN						
BHUA-04	618.53	618.60			hJ	x6	60		wh pale yl		PR-UN						
BHUA-04	618.70	618.91			hJ	x5	70		wh pale yl		PR-UN						
BHUA-04	618.71	618.93			hJ	x5	50		wh pale yl		PR-UN						
BHUA-04	618.78	619.00			J		85		wh mi	SN	UN-IR	RF					
BHUA-04	619.03	619.25			hJ	x8	55		wh pale yl		PR-UN						
BHUA-04	619.05	619.15			hJ	x4	30		wh pale yl		PR-UN						
BHUA-04	619.20	619.32			J		85		wh mi	SN	UN-IR	RF					
BHUA-04	619.22	619.83			V		85		wh stained		PR-UN			5			
BHUA-04	619.30	619.38			J		85		wh mi	SN	UN-IR	RF					
BHUA-04	619.30	619.84			V	x6	60		gn pale yl		CU-UN						
BHUA-04	619.32				J		60		pale yl mi	SN-VN	UN-IR	RF					
BHUA-04	619.39	619.44			J		75		wh mi	SN-VN	UN-IR	RF					
BHUA-04	619.49	619.96			hJ	x6	60		wh pale yl		PR-UN						
BHUA-04	619.51	619.72			V	x3	40		gn pale yl		CU-UN			5			
BHUA-04	619.75	619.90			hJ	x4	40		wh pale yl		PR-UN						
BHUA-04	620.05	620.41			hJ	x4	35		wh pale yl		PR-UN						
BHUA-04	620.61	620.69			hJ	x2	50		wh pale yl		PR-UN						
BHUA-04	620.85	620.97			hJ	x2	80		wh pale yl		PR-UN						
BHUA-04	621.00	621.49			hJ	x6	50		wh pale yl		PR-UN						
BHUA-04	621.20	621.36			V	x2	60		wh pale yl		CU-UN			5			
BHUA-04	621.28				J		45			CN	CU	RF					
BHUA-04	621.68	621.97			hJ	x3	60		wh pale yl		PR-UN						
BHUA-04	622.00	622.71			hJ	x6	50		wh pale yl		PR-UN						
BHUA-04	622.10	622.57			V	x3	55		wh		CU-UN			5			
BHUA-04	622.12	622.67			hJ	x3	75		wh / bk mi		PR-UN						
BHUA-04	623.23	623.68			hJ	x3	45		wh / bk mi		CU-UN						
BHUA-04	623.62				V		40		wh / gn		CU-UN			5			
BHUA-04	623.77				CO		45		lamprophyre/granite alterated		UN						

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	623.78	623.95			hJ	x15	25		bk		PR-UN						
BHUA-04	623.83	624.04			hJ	x5	70		bk		PR-UN						
BHUA-04	624.01	624.33			hJ	x8	25		bk		PR-UN						
BHUA-04	624.05	624.58			hJ	x4	45		bk		PR-UN						
BHUA-04	624.08				V		15		bk		CU-UN			5			
BHUA-04	624.13	624.60			hJ	x6	10		bk		PR-UN						
BHUA-04	624.15				J		25			CN	CU-UN	RF					
BHUA-04	624.16	624.25			V	x2	40		pale yl		CU-UN			5			
BHUA-04	624.61	624.70			hJ	x2	60		bk		PR-UN						
BHUA-04	624.73	624.82			hJ	x4	35		bk		PR-UN						
BHUA-04	624.80	625.34			SZ		65		minor clay and granite fragments	VN	IR	RF-SM					
BHUA-04	624.82	625.33			J		70			CN	CU-UN	RF					
BHUA-04	625.07	625.14			hJ	x2	45		bk		CU-UN						
BHUA-04	625.33	625.35			hJ	x3	10		bk		PR-UN						
BHUA-04	625.37				J		5			CN	CU-IR	VR					
BHUA-04	625.38				CO		35		granite alterated /Lamprophyre		CU-UN						
BHUA-04	625.40				J		45			CN	CU-IR	RF					
BHUA-04	625.42	625.53			hJ	x8	40		wh		PR-UN						
BHUA-04	625.48	625.54			J	x2	55		wh mi	CN	CU	RF					
BHUA-04	625.51				V		40		pale yl		CU-UN			5			
BHUA-04	625.57	625.60			hJ	x2	50		pale yl		PR-UN						
BHUA-04	625.61				V		15		pale yl py vein mineralised		CU-UN			5			
BHUA-04	625.70				J		45			CN	CU-ST	RF					
BHUA-04	625.78	625.94			hJ	x3	70		wh		PR-UN						
BHUA-04	625.80	625.86			hJ	x3	15		wh		PR-UN						
BHUA-04	625.81				J		5			CN	PR-ST	RF					
BHUA-04	625.88				CO		50		Granite alterated /Lamprophyre		CU-UN						
BHUA-04	625.92	625.98			hJ	x3	10		wh pale yl		PR-UN						
BHUA-04	626.08				J		45			CN	CU-ST	RF					
BHUA-04	626.10	626.21			hJ	x4	45		bk		PR-UN						
BHUA-04	626.11				J		80			CN	CU-ST	RF					
BHUA-04	626.14	626.33			V		85		wh		CU-UN			5			
BHUA-04	626.16				hJ		10		wh	CN	PR-UN	RF					
BHUA-04	626.23				J		35			CN	CU-ST	RF					
BHUA-04	626.28				V		55		pale yl		CU-UN			25			
BHUA-04	626.38				V		15		pale yl		PR-UN			25			
BHUA-04	626.40	626.87			V	x3	85		wh		PR-UN			5			
BHUA-04	626.57				V		70		bk		CU-UN			5			
BHUA-04	626.70	626.86			J		90			CN	PR-UN	RF					
BHUA-04	626.72				J		5			CN	CU-UN	RF					
BHUA-04	626.75				V		50		pale yl		PR-UN			5			
BHUA-04	626.92				J		15			CN	CU-ST	RF					
BHUA-04	627.07	627.11			hJ	x3	15		bk		PR-UN						
BHUA-04	627.13				V		40		pale yl		CU-UN			5			
BHUA-04	627.15	627.22			hJ	x7	15		pale yl		PR-UN						
BHUA-04	627.15	627.47			hJ	x7	25		pale yl		PR-UN						
BHUA-04	627.24				J		5			CN	CU-ST	RF					
BHUA-04	627.26				V		40		pale yl		CU-UN			5			
BHUA-04	627.33	627.34			hJ	x7	15		pale yl		PR-UN						
BHUA-04	627.35	627.59			hJ	x2	85		bk		PR-UN						
BHUA-04	627.56				J		5			CN	CU-ST	RF					
BHUA-04	627.59				hJ		60		bk	CN	PR-UN	RF					
BHUA-04	627.62	627.66			hJ	x8	25		bk		PR-UN						
BHUA-04	627.75	627.90			hJ	x4	35		pale yl		PR-UN						
BHUA-04	627.77	628.07			hJ	x4	85		bk	CN	PR-UN	RF					
BHUA-04	627.96	628.49			hJ	x7	25		bkack/pale yl		PR-UN						
BHUA-04	628.30	628.78			hJ	x6	65		bk		PR-UN						
BHUA-04	628.87				V		75		rd / gn		CU-UN			5			
BHUA-04	629.00	629.24			hJ	x2	75		bk		PR-UN						
BHUA-04	629.14	629.27			hJ	x2	15		plae l		PR-UN						
BHUA-04	629.15	629.41			hJ	x4	45		plae l		PR-UN						
BHUA-04	629.30	629.38			hJ	x4	45		bk		PR-UN						
BHUA-04	629.62	629.71			hJ	x2	70		pale yl		PR-UN						
BHUA-04	629.69	629.77			hJ	x3	45		pale yl		PR-UN						
BHUA-04	629.72				J		5		pale yl	SN	CU-ST	RF					
BHUA-04	630.37	630.64			hJ	x5	35		pale yl		PR-UN						
BHUA-04	630.43				V		85		pale yl		CU-UN			3			
BHUA-04	630.50				J		15			CN	CU-ST	RF					
BHUA-04	630.77	630.87			hJ	x5	45		pale yl		PR-UN						
BHUA-04	630.88	630.99			hJ	x4	30		wh pale yl		PR-UN						
BHUA-04	630.92				V		45		pale yl		CU-UN			15			
BHUA-04	631.11				V		40		pale yl		CU-UN			15			
BHUA-04	631.24	631.27			hJ	x2	35		wh pale yl		PR-UN						
BHUA-04	631.27	631.47			hJ	x6	10		pale yl		PR-UN						
BHUA-04	631.46	632.24			hJ	x5	65		pale yl		PR-UN						
BHUA-04	631.59	631.75			V	x4	40		pale yl		CU-UN			5			
BHUA-04	632.14				V		45		pale yl		CU-UN						
BHUA-04	632.16	632.43			hJ		85		pale yl		PR-UN						
BHUA-04	632.46	632.85			J		80		Qtz mi or stained	SN-VN	PR-UN	RF		5			

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	632.48				J		45		gn pale yl	VN	CU-UN	SM		25			
BHUA-04	632.61				V		45		Qtz mi or stained		CU-UN			25			
BHUA-04	632.63	632.96			V	x4	85		pale yl		CU-UN			5			
BHUA-04	633.10				J		10			CN	CU-UN	SM					
BHUA-04	633.37				V		45		pale yl		CU-UN			5			
BHUA-04	633.39				J		15			CN	CU-UN	RF					
BHUA-04	633.40	633.54			hJ	x2	15		wh pale yl		PR-UN						
BHUA-04	633.70				V	x2	80		wh		PR-UN			5			
BHUA-04	633.93				V		15		pale yl		CU-UN			5			
BHUA-04	634.24	634.50			hJ	x5	35		pale yl py mineralised		PR-UN			5			
BHUA-04	634.57	634.97			hJ	x3	35		pale yl		CU-UN						
BHUA-04	634.85				hJ		20		pale yl		CU-UN			5			
BHUA-04	635.05	635.17			hJ	x3	35		pale yl		CU-UN						
BHUA-04	635.07				hJ		55		pale yl		PR-UN						
BHUA-04	635.23				J		15			CN	CU-UN	RF					
BHUA-04	635.49	635.53			V		45		pale yl		CU-UN			5			
BHUA-04	635.50	635.70			V	x3	80		pale yl		CU-UN			10			
BHUA-04	635.68	635.82			V		70		Qtz pale yl		CU-UN			5			
BHUA-04	635.85	635.97			hJ	x3	70		bk pale yl		CU-UN						
BHUA-04	636.31	636.60			hJ	x7	45		pale yl		CU-UN						
BHUA-04	636.43				V		65		pale yl		CU-UN			5			
BHUA-04	636.44	636.48			hJ	x6	45		pale yl		CU-UN						
BHUA-04	636.59	636.61			hJ	x4	35		pale yl		PR-UN						
BHUA-04	636.60	636.64			hJ	x7	45		pale yl		PR-UN						
BHUA-04	636.77				V		40		pale yl		CU-UN			5			
BHUA-04	637.21	637.40			hJ	x3	60		pale yl		PR-UN						
BHUA-04	637.34	637.68			V		75		wh Qtz mi		PR-UN			5			
BHUA-04	637.52	637.68			hJ	x4	55		pale yl		PR-UN						
BHUA-04	637.84				J		45			CN	CU-UN	RF					
BHUA-04	637.94				hJ		45		bk mi		PR-UN						
BHUA-04	638.06				CO		45		Granite alterated /Lamprophyre		UN-IR						
BHUA-04	638.15	638.32			hJ	x6	45		pale yl		PR-UN						
BHUA-04	638.15	638.59			hJ	x4	70		pale yl		PR-UN						
BHUA-04	638.36	638.62			V	x3	80		pale yl		CU-UN			5			
BHUA-04	638.46	639.00			hJ	x14	45		pale yl		PR-UN						
BHUA-04	639.06	639.17			hJ	x3	25		pale yl		PR-UN						
BHUA-04	639.06	639.68			hJ	x7	50		pale yl		PR-UN						
BHUA-04	639.57				hJ		70		wh		PR-UN						
BHUA-04	639.64				hJ		35		wh		PR-UN						
BHUA-04	639.71	639.97			V	x4	35		pale yl		CU-UN			5			
BHUA-04	639.74	640.00			hJ	x7	25		pale yl		PR-UN						
BHUA-04	640.00	640.60			hJ	x16	60		pale yl		PR-UN						
BHUA-04	640.05	640.34			V	x8	60		pale yl		PR-UN			5			
BHUA-04	640.11	640.93			hJ	x6	25		pale yl		PR-UN						
BHUA-04	640.22	640.44			V	x2	55		pale yl		CU-UN			20			
BHUA-04	640.66	640.91			hJ	x4	75		pale yl		PR-UN						
BHUA-04	640.75				V		50		pale yl		PR-UN			5			
BHUA-04	640.77	640.91			V	x4	55		pale yl		PR-UN			20			
BHUA-04	641.04	641.37			hJ	x8	60		pale yl		PR-UN						
BHUA-04	641.21	641.45			hJ	x2	70		pale yl		PR-UN						
BHUA-04	641.86	641.94			hJ	x3	15		pale yl		CU-UN						
BHUA-04	642.00	642.84			V	x3	90		pale yl		PR-UN						
BHUA-04	642.05	642.59			hJ	x8	25		pale yl		CU-UN						
BHUA-04	642.58				J		20			CN	UN-ST	RF					
BHUA-04	642.70	642.90			hJ	x3	65		pale yl		PR-UN						
BHUA-04	642.78				hJ		10		pale yl		PR-UN						
BHUA-04	643.00	643.97			hJ	x12	50		wh		PR-UN						
BHUA-04	643.07	643.88			hJ	x7	15		wh		PR-UN						
BHUA-04	643.20	643.60			hJ	x5	60		wh		PR-UN						
BHUA-04	643.64				V		65		pale yl		PR-UN			15			
BHUA-04	644.00	644.31			hJ	x18	70		pale yl		PR-UN						
BHUA-04	644.02				hJ		20		pale yl		PR-UN						
BHUA-04	644.08				J		20			CN	CU-UN	RF					
BHUA-04	644.20				V		70		pale yl		PR-UN			5			
BHUA-04	644.25				CO		70		lamprophyre/pink granite		CU-UN						
BHUA-04	644.41	644.48			hJ	x2	70		wh pale yl		PR-UN						
BHUA-04	644.61	644.96			hJ	x3	70		wh pale yl		PR-UN						
BHUA-04	644.67	644.98			hJ	x8	60		wh pale yl		PR-UN						
BHUA-04	644.78				J		20			CN	CU-UN	RF					
BHUA-04	645.00	645.12			hJ	x7	60		pale yl		PR-UN						
BHUA-04	645.27	645.38			hJ	x6	60		bk pale yl		PR-UN						
BHUA-04	645.40				V		60		pale yl		CU-UN			5			
BHUA-04	645.47				hJ		75		bk		PR-UN						
BHUA-04	645.49				J		10			CN	CU-UN	RF					
BHUA-04	645.55				J		5			CN	CU-UN	RF					
BHUA-04	645.65	645.71			hJ	x5	45		pale yl		PR-UN						
BHUA-04	645.72				hJ		5		bk		PR-UN						
BHUA-04	645.83	645.94			hJ	x5	70		bk		PR-UN						
BHUA-04	645.95	646.00			V		10		Qtz pk		CU-UN			50			

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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
BHUA-04	646.00	646.17			hJ	x8	60		bk pale yl		PR-UN						
BHUA-04	646.02	646.08			hJ	x5	50		bk		PR-UN						
BHUA-04	646.16	646.51			V		85		pk		PR-UN			5			
BHUA-04	646.22	646.92			hJ	x12	55		bk pale yl		PR-UN						
BHUA-04	646.25	646.36			hJ	x3	55		pale yl		PR-UN						
BHUA-04	646.35				hJ		70		pale yl		PR-UN						
BHUA-04	646.42				hJ		5		pale yl		PR-UN						
BHUA-04	646.48	646.58			hJ	x3	65		pk pale yl		PR-UN						
BHUA-04	646.50	646.64			hJ		85		pale yl		PR-UN						
BHUA-04	646.63	646.66			hJ	x3	35		pale yl		PR-UN						
BHUA-04	646.90	647.45			V	x5	50		pale yl		PR-UN			5			
BHUA-04	647.34				V		15		pk		PR-UN			5			
BHUA-04	647.45	647.85			hJ	x2	60		pale yl		CU-UN						
BHUA-04	647.64	647.75			hJ	x4	70		bk		CU-UN						
BHUA-04	647.95	648.51			hJ	x8	55		bk		CU-UN						
BHUA-04	648.10				V		45		pale yl		PR-UN			5			
BHUA-04	648.14	648.49			hJ	x8	50		bk pale yl		CU-UN						
BHUA-04	648.41	649.00			V		85		pk / wh		PR-UN			5			
BHUA-04	648.42	648.60			V		70		pk		PR-UN			5			
BHUA-04	648.62	648.76			hJ	x4	45		pale yl		CU-UN						
BHUA-04	648.63	648.66			hJ	x3	30		pale yl		CU-UN						
BHUA-04	648.69	648.86			hJ	x4	55		pale yl		CU-UN						
BHUA-04	649.15	649.25			hJ	x4	45		pale yl		CU-UN						
BHUA-04	649.19				J		45			CN	CU-UN	RF					
BHUA-04	649.36	649.60			V		90		pale yl		PR-UN			5			
BHUA-04	649.40	649.70			hJ	x5	45		bk		CU-UN						
BHUA-04	649.43	649.63			J	x2	45		bk	CN	CU-UN	SM					
BHUA-04	649.60	650.14			V	x2	85		pale yl		PR-UN						
BHUA-04	650.10	651.00			hJ	x12	85		wh pale yl		CU-UN						
BHUA-04	650.17	650.51			J	x2	80		Qtz mi veins	SN-VN	CU-UN	SM					
BHUA-04	650.19	650.30			hJ	x8	5		pale yl		CU-UN						
BHUA-04	650.21	650.94			hJ	x4	70		wh pale yl		CU-UN						
BHUA-04	650.23				J		40			CN	CU-UN	RF					
BHUA-04	650.41	650.63			V		80		pale yl		PR-UN			5			
BHUA-04	650.47				J		5			CN	CU-UN	RF					
BHUA-04	650.47	650.69			hJ	x4	85		wh pale yl		CU-UN						
BHUA-04	650.53				J		45			CN	CU	SM					
BHUA-04	650.62	650.95			V	x4	85		pale yl		PR-UN			5			
BHUA-04	650.81				J		15			CN	CU-UN	SM					
BHUA-04	650.81	650.89			hJ	x5	10		wh pale yl		CU-UN						
BHUA-04	651.00	651.32			V	x3	80		bk pale yl		PR-UN			5			
BHUA-04	651.05	651.47			hJ	x5	20		wh pale yl		CU-UN						
BHUA-04	651.13	651.44			hJ	x8	10		wh pale yl		CU-UN						
BHUA-04	651.18	651.45			hJ	x8	60		bk pale yl		CU-UN						
BHUA-04	651.21				J		25			CN	CU-UN	SM					
BHUA-04	651.57				J		35			CN	CU-UN	SM					
BHUA-04	651.59	651.68			hJ	x5	25		pale yl		CU-UN						
BHUA-04	651.62	651.71			hJ	x3	55		pale yl		CU-UN						
BHUA-04	651.67				J		85		Qtz mi vein	SN-VN	CU-UN	SM					
BHUA-04	651.69	651.85			SZ	x5	10		fractures	CN	IR	RF-SM					
BHUA-04	651.85	651.93			hJ	x4	70		pale yl		CU-UN						
BHUA-04	651.86	651.91			V		90		pale yl		PR-UN						
BHUA-04	651.93	652.34			hJ	x5	85		wh pale yl		PR-UN						
BHUA-04	652.00	652.48			hJ	x6	35		wh pale yl		PR-UN						
BHUA-04	652.13	652.33			hJ	x7	60		wh pale yl		PR-UN						
BHUA-04	652.14	652.29			hJ	x6	10		wh pale yl		PR-UN						
BHUA-04	652.57	652.97			hJ	x4	10		wh pale yl		PR-UN						
BHUA-04	652.86	652.91			V	x2	20		wh pale yl		PR-UN			5			
BHUA-04	653.00	653.08			hJ	x2	15		pk pale yl		PR-UN						
BHUA-04	653.00	653.20			hJ	x2	80		wh pale yl		PR-UN						
BHUA-04	653.09				J		40			CN	CU-UN	RF					
BHUA-04	653.10	653.23			hJ	x5	45		pale yl		PR-UN						
BHUA-04	653.17				J		5			CN	UN-ST	RF					
BHUA-04	653.23	653.65			hJ	x4	60		pale yl		PR-UN						
BHUA-04	653.26				J		25			CN	CU-UN	RF					
BHUA-04	653.35				J		2			CN	UN-ST	RF					
BHUA-04	653.42	653.74			hJ	x3	85		pale yl		PR-UN						
BHUA-04	653.47	653.55			hJ	x2	70		wh		PR-UN						
BHUA-04	653.53				J		25		red mi	SN	CU-UN	SM					
BHUA-04	653.75				J		35		red mi	CN	CU-UN	SM					
BHUA-04	653.75	653.87			hJ		75		pale yl		PR-UN						
BHUA-04	653.95	654.09			hJ	x5	60		wh pale yl		PR-UN						
BHUA-04	654.10	654.15			hJ	x3	60		gn		PR-UN						
BHUA-04	654.15				V		60		bk		PR-UN			5			
BHUA-04	654.22	654.39			hJ	x10	60		bk		PR-UN						
BHUA-04	654.26	654.63			hJ	x7	70		bk		PR-UN						
BHUA-04	654.27	654.61			hJ	x4	85		bk pale yl		PR-UN						
BHUA-04	654.47	654.72			hJ	x7	45		bk pale yl		PR-UN						
BHUA-04	654.75				hJ		25			VN	PR-CU-UN						

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BHUA-04	654.86				hJ		30			VN	PR-CU						
BHUA-04	654.92				hJ		30			VN	PR-CU-UN						
BHUA-04	655.02				hJ		40			VN	PR-CU						
BHUA-04	655.04	655.19			IS		40		wh with granitic feldspar	VN	PR-CU						
BHUA-04	655.09				hJ					VN	PR-CU-UN						
BHUA-04	655.13				hJ		25			VN	PR-CU						
BHUA-04	655.21	655.25			hJ					VN	PR-CU-UN						
BHUA-04	655.36	665.52			IS		25		granitic feldspar in lamprophyre	infilled	PR-CU						
BHUA-04	655.49				J		15			VN	PR-CU-UN	RF					
BHUA-04	655.61				hJ		35			VN	PR-CU-UN						
BHUA-04	655.67				hJ		30			VN	PR-CU						
BHUA-04	655.77				hJ		35			VN	PR-CU						
BHUA-04	655.80				hJ		25			VN	PR-CU						
BHUA-04	655.85				hJ		35			VN	PR-CU-UN						
BHUA-04	655.90				hJ		25			VN	PR-CU						
BHUA-04	655.93				hJ		25			VN	PR-CU-UN						
BHUA-04	656.01	656.10			V		45			infilled	PR-CU						
BHUA-04	656.08				hJ		35			VN	PR-CU-UN						
BHUA-04	656.12	656.19			V		40			infilled	PR-CU						
BHUA-04	656.20				hJ					VN	PR-CU-UN						
BHUA-04	656.23				hJ					VN	PR-CU-IR						
BHUA-04	656.32				hJ		30			VN	PR-CU						
BHUA-04	656.36	656.88			hJ					VN	PR-CU-UN						
BHUA-04	656.41				hJ					VN	PR-CU						
BHUA-04	656.45				hJ		20			VN	PR-CU						
BHUA-04	656.49				hJ		35			VN	PR-CU-UN						
BHUA-04	656.55				hJ		35			VN	PR-CU-UN						
BHUA-04	656.67	656.71			V		35			infilled	PR-CU						
BHUA-04	656.80				hJ		25			VN	PR-CU						
BHUA-04	656.83	656.85			hJ					VN	PR-CU-UN						
BHUA-04	656.98				hJ		30			VN	PR-CU						
BHUA-04	657.07				hJ		25			VN	PR-CU						
BHUA-04	657.10				hJ					VN	PR-CU-UN						
BHUA-04	657.14				hJ		25			VN	PR-CU						
BHUA-04	657.16				J		5			VN	UN-PR	RF					
BHUA-04	657.21	657.29			V		45			VN	PR-CU						
BHUA-04	657.29	657.49			CO				wh with quartz	VN		RF					
BHUA-04	657.51	657.62			IS		30			VN		RF					
BHUA-04	657.62	657.73			CS				with multiple joints	VN	PR-CU-IR	RF					
BHUA-04	657.72	657.99			CS					VN		RF					
BHUA-04	658.09				J		70			VN	PR-CU-IR	RF					
BHUA-04	658.15				hJ		30			VN	PR-CU						
BHUA-04	658.18				hJ		25			VN	PR-CU-UN						
BHUA-04	658.22				hJ		25			VN	PR-CU						
BHUA-04	658.27				J		15			VN	PR-CU	RF					
BHUA-04	658.40				hJ		35			VN	PR-CU						
BHUA-04	658.44				hJ		30			VN	CU-PR						
BHUA-04	658.46				J		10			VN	PR-CU-UN	RF					
BHUA-04	658.54				hJ		25			VN	PR-CU-UN						
BHUA-04	658.59				hJ		35			VN	PR-CU						
BHUA-04	658.62				hJ		25			VN	PR-CU-UN						
BHUA-04	658.72	658.84			hJ					VN	PR-CU-UN						
BHUA-04	658.79				J		20			VN	PR-CU	RF					
BHUA-04	658.87				hJ					VN	PR-CU-IR						
BHUA-04	658.96				hJ		25			VN	PR-CU						
BHUA-04	659.04				hJ					VN	PR-CU-IR						
BHUA-04	659.08				hJ		35			VN	PR-CU						
BHUA-04	659.21	659.28			V					infilled	PR-CU-UN						
BHUA-04	659.32				hJ		30			VN	PR-CU						
BHUA-04	659.38				J		10			VN	PR-CU	RF					
BHUA-04	659.40	659.49			HB												
BHUA-04	659.51				J		35			VN	PR-CU	RF					
BHUA-04	659.56				hJ					VN	PR-CU						
BHUA-04	659.59				J		50			VN	PR-CU-UN	RF					
BHUA-04	659.69	659.75			hJ					VN	PR-CU-UN						
BHUA-04	659.79				V		25			infilled	PR-CU						
BHUA-04	659.85				hJ		25			VN	PR-CU						
BHUA-04	659.92				hJ		25			VN	PR-CU						
BHUA-04	659.95				V		35			infilled	PR-CU						
BHUA-04	660.03				hJ					VN	PR-CU-UN						
BHUA-04	660.07	660.09			hJ		35			VN	PR-CU						
BHUA-04	660.14				hJ		30			VN	PR-CU						
BHUA-04	660.15				hJ		30			VN	PR-CU						
BHUA-04	660.16	660.43			J		45			VN	PR-CU-UN	RF					
BHUA-04	660.25	660.27			V		45			infilled	PR-CU						
BHUA-04	660.36				hJ		35			VN	PR-CU						
BHUA-04	660.45				hJ		30			VN	PR-CU						
BHUA-04	660.56	660.59			hJ		40			VN	PR-CU						
BHUA-04	660.61				hJ		35			VN	PR-CU						

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BHUA-04	660.63				hJ					VN	PR-CU						
BHUA-04	660.65				hJ					VN	PR-CU-IR						
BHUA-04	660.75				hJ		30			VN	PR-CU						
BHUA-04	660.80				hJ		30			VN	PR-CU						
BHUA-04	660.85				hJ		25			VN	PR-CU						
BHUA-04	660.87	660.89			hJ		35			VN	PR-CU						
BHUA-04	660.91				hJ		25			VN	PR-CU						
BHUA-04	660.93				J		20			VN	PR-CU	RF					
BHUA-04	661.01				hJ		50			CT	PR-CU-UN						
BHUA-04	661.06				V		20			infilled	PR-CU						
BHUA-04	661.07				hJ		25			VN	PR-UN						
BHUA-04	661.12	661.21			hJ		35			VN	PR-UN						
BHUA-04	661.14				hJ		45			VN	PR-UN						
BHUA-04	661.28	661.31			hJ					VN	CU-UN-PR						
BHUA-04	661.29				J		25			VN	CU-PR-UN	RF					
BHUA-04	661.32	661.36			V		45			VN	PR-CU						
BHUA-04	661.33	661.36			hJ		50			VN	CU-PR						
BHUA-04	661.37				V		40			VN-CT	PR-CU						
BHUA-04	661.38				J		20			VN	PR-CU	RF					
BHUA-04	661.39	661.44			hJ	x2	15			VN	PR						joints with angle at 45 intersect this joint
BHUA-04	661.40				hJ					VN	PR						
BHUA-04	661.44				V		45			VN-CT	PR-CU						intersection with a joint
BHUA-04	661.46				hJ		50			VN	PR-CU						
BHUA-04	661.53				hJ		15			VN-CT	PR-CU						
BHUA-04	661.57				hJ		50			VN	PR						
BHUA-04	661.58				hJ		45			VN	PR						
BHUA-04	661.64				hJ		50				PR						
BHUA-04	661.66				hJ		40			VN	PR						
BHUA-04	661.68	661.79			hJ		45			VN	PR						Presence of K-feldspar observed along the joint as pinkish colouration observed surrounding the joint
BHUA-04	661.79				J		40			VN	PR-CU	RF					
BHUA-04	661.81	662.50			J		90			VN	PR	RF					the joint is opened from 661.81 to 662.28 where it intersects another joint. after that it's closed and healed and continues
BHUA-04	661.82				V		45			VN-CT	PR-CU						
BHUA-04	661.82	661.92			hJ		90			VN	PR-CU-UN						
BHUA-04	661.87	662.11			V		65			VN-CT	PR-CU						vein intersects the joint at 661.93 and continue to 662.11
BHUA-04	661.97				hJ		35			VN	PR						
BHUA-04	662.07				hJ		45			VN	PR						
BHUA-04	662.11				V		70			VN-CT	PR						
BHUA-04	662.15				hJ		45			VN	PR						
BHUA-04	662.19	662.23			V		45			VN-CT	PR-CU						intersects joint at 662.20
BHUA-04	662.25				J		50			VN	PR-CU-UN	RF					
BHUA-04	662.32	662.40			hJ		90			VN	PR						
BHUA-04	662.34				V					VN-CT	PR-CU						
BHUA-04	662.37	662.46			hJ		45			VN	PR						
BHUA-04	662.40				V					VN-CT	PR-CU						
BHUA-04	662.49				V					VN-CT	CU-PR						
BHUA-04	662.54	662.63			J		50			VN	PR	RF					parallel joint at 662.60
BHUA-04	662.55				hJ		45			VN	PR						
BHUA-04	662.57	662.64			hJ		45			VN	PR						intersects the joint at 662.61
BHUA-04	662.64	662.80			J		55			VN	PR	RF					joint runs in parallel from 662.70 to 662,83 with presence of k feldspar around the joints
BHUA-04	662.65				V		20			VN-CT	PR						
BHUA-04	662.70				hJ		35			VN-CN	PR						
BHUA-04	662.85				hJ		45			VN	PR-CU						
BHUA-04	663.04	663.15			hJ		70			VN	PR						
BHUA-04	663.09	663.14			IS		35			infilled							basaltic intrusion
BHUA-04	663.23				hJ		45			CN	PR						
BHUA-04	663.30				hJ		45			CN	PR						
BHUA-04	663.34				V		45			VN-CT	PR						intersects a joint at 663.38
BHUA-04	663.40				hJ		50			VN	PR						
BHUA-04	663.45				hJ		45			VN	PR						
BHUA-04	663.50				hJ		45			VN	PR						
BHUA-04	663.61				J		35			VN	PR	RF					
BHUA-04	663.70				hJ		45			VN	PR						
BHUA-04	663.70	663.73			V		45			VN	PR						
BHUA-04	663.71				hJ		35			VN	PR						
BHUA-04	663.72				hJ		45			VN	PR						
BHUA-04	663.75				hJ		45			VN	PR						
BHUA-04	663.77				hJ		45			VN	PR						
BHUA-04	663.78				hJ		45			VN	PR						
BHUA-04	663.81				hJ		45			VN	PR						
BHUA-04	663.85	664.18			V	x2	70			VN-CT	PR-CU						open vein is from 663.85 to 663.99 after that it becomes a closed healed joint from 663.99 to 664.18
BHUA-04	663.87				J		65			VN	PR	RF					
BHUA-04	663.91				J		50			VN	PR	RF					
BHUA-04	663.95				J		35			VN-CT	PR	RF					intersection with vein
BHUA-04	664.01				V		85			VN	PR						
BHUA-04	664.18				hJ		25			VN	PR						
BHUA-04	664.19	664.35			hJ		85			VN	PR						
BHUA-04	664.34				hJ		35			VN	PR						
BHUA-04	664.34	664.63			hJ		45			VN	PR						
BHUA-04	664.37				hJ		50			VN	PR						

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	664.40				hJ		20			VN	PR						
BHUA-04	664.46				hJ		35			VN	PR						
BHUA-04	664.53	664.62			hJ		75			VN	PR						
BHUA-04	664.63				hJ		45			VN	PR						
BHUA-04	664.73				hJ		45			VN	PR						
BHUA-04	664.74				hJ		45			VN	PR						
BHUA-04	664.85				hJ		35			VN	PR						
BHUA-04	664.87				hJ		45			VN	PR						
BHUA-04	664.91				hJ		20			VN	PR-CU						
BHUA-04	664.93				hJ		25			VN	PR						
BHUA-04	664.95				hJ		35			VN	PR-CU						
BHUA-04	664.96				hJ		45			VN	PR						
BHUA-04	664.97				hJ		85			VN	PR						
BHUA-04	664.99				J		45			VN	PR	RF-SM					
BHUA-04	665.06	665.26			hJ		85			VN	PR						
BHUA-04	665.13				hJ		25			VN	PR						
BHUA-04	665.21				hJ		20			VN	CU-PR						
BHUA-04	665.24				hJ		25			VN	PR						
BHUA-04	665.28				hJ		75			VN	PR						
BHUA-04	665.34				V		45			VN-CT	PR						
BHUA-04	665.36				hJ		50			VN	PR						
BHUA-04	665.38				hJ		45			VN	PR-CU						
BHUA-04	665.45				V		50			VN-CT	PR						
BHUA-04	665.47	665.56			hJ		85			VN	PR						
BHUA-04	665.49				hJ		45			VN	PR						
BHUA-04	665.55				hJ		50			VN	PR						
BHUA-04	665.60				hJ		45			VN	PR						
BHUA-04	665.62	665.72			hJ		60			VN	PR						
BHUA-04	665.70				hJ		45			VN	PR						
BHUA-04	665.75				hJ		50			VN	PR						
BHUA-04	666.04				hJ		75			VN	PR						
BHUA-04	666.05				hJ		45			VN	PR-CU						
BHUA-04	666.12				hJ		25			VN	PR						
BHUA-04	666.15	666.21			hJ		60			VN	PR						
BHUA-04	666.24				hJ		90			VN	PR						
BHUA-04	666.34	666.44			hJ		85			VN	PR						
BHUA-04	666.40	666.45			hJ		85			VN	PR						
BHUA-04	666.41				hJ		10			VN	PR						
BHUA-04	666.42				hJ		25			VN	PR						
BHUA-04	666.46				hJ		25			VN	PR-CU						
BHUA-04	666.52				hJ		35			VN	PR						
BHUA-04	666.56				hJ		35			VN	PR						
BHUA-04	666.58	666.61			hJ		25			VN	PR-CU						
BHUA-04	666.72				V		45			VN	PR						
BHUA-04	666.98				hJ		45			VN	PR						
BHUA-04	667.01	667.50			hJ		85			VN	PR-CU						
BHUA-04	667.06				V		45			VN-CT	PR-CU						
BHUA-04	667.10				hJ		50			VN	PR						
BHUA-04	667.25				V					VN							patch of basalt
BHUA-04	667.30				V		35			VN	PR						
BHUA-04	667.32				V					VN	PR						patch of basalt
BHUA-04	667.52				V		45			VN	PR						
BHUA-04	667.55				V		65			VN	PR-CU						
BHUA-04	667.72				hJ		35			VN	PR						
BHUA-04	667.75				V		80			VN	PR-CU						
BHUA-04	667.84				V		65			VN	PR						
BHUA-04	667.91	667.94			V		10			VN	PR						
BHUA-04	667.95				hJ		45			VN	PR						
BHUA-04	667.96	667.98			V		10			VN	PR						
BHUA-04	668.07				hJ		30			VN	PR						
BHUA-04	668.07	668.15			hJ		80			VN	PR						
BHUA-04	668.08				hJ		35			VN	PR-CU						
BHUA-04	668.17	668.25			V		45			VN	PR						
BHUA-04	668.24				V		35			VN	PR						
BHUA-04	668.34				hJ		45			VN	PR						
BHUA-04	668.42				hJ		35			VN	PR						
BHUA-04	668.44				hJ		45			VN	PR						
BHUA-04	668.57				hJ		35			VN	PR						
BHUA-04	668.65				hJ		45			VN	PR						
BHUA-04	668.70				hJ		45			VN	PR						
BHUA-04	668.76				V		45			VN	PR						
BHUA-04	668.82				hJ		45			VN	PR						
BHUA-04	668.87				hJ		35			VN	PR						
BHUA-04	668.90				hJ		45			VN	PR						
BHUA-04	668.92				hJ		65			VN	PR						
BHUA-04	668.95				hJ		45			VN	PR						
BHUA-04	668.97	669.04			V		45			VN	PR-CU						
BHUA-04	669.03				hJ		40			VN	PR						
BHUA-04	669.09				hJ		45			VN	PR						

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	669.12				hJ		45			VN	PR						
BHUA-04	669.17				hJ		45			VN	PR						
BHUA-04	669.21				hJ		35			VN	PR						
BHUA-04	669.26				V		75			VN	PR						
BHUA-04	669.28	669.38			V		40			VN	PR						Basaltic intrusion
BHUA-04	669.35	669.46			J		50			VN	PR	RF-SM					break from upper side due to manual handling
BHUA-04	669.47				hJ		45			VN	PR						
BHUA-04	669.50				hJ		35			VN	PR						
BHUA-04	669.61				V		25			VN	PR						
BHUA-04	669.66				HB		5				PR						
BHUA-04	669.76				hJ		45			VN	PR						
BHUA-04	669.77				hJ		45			VN	PR						
BHUA-04	669.77	669.88			V		40		basaltic intrusion	VN	PR						
BHUA-04	669.80				hJ		45			VN	PR						
BHUA-04	669.81				hJ		40			VN	PR						
BHUA-04	669.92				hJ		35			VN	PR						
BHUA-04	669.93				hJ		45			VN	PR						
BHUA-04	669.94				hJ		45			VN	PR						
BHUA-04	669.98				hJ		45			VN	PR						
BHUA-04	670.06				hJ		40			VN	PR						
BHUA-04	670.11				hJ		45			VN	PR						
BHUA-04	670.12				hJ		45			VN	PR						
BHUA-04	670.13				hJ		50			VN	PR						
BHUA-04	670.14	670.17			hJ		35			VN	PR						
BHUA-04	670.19				hJ		45			VN	PR						
BHUA-04	670.21				V		55			VN	PR						
BHUA-04	670.26				hJ		45			VN	PR						
BHUA-04	670.29				J		45			VN	PR	RF					
BHUA-04	670.34				hJ		35			VN	PR						
BHUA-04	670.38				hJ		45			VN	PR						
BHUA-04	670.43				hJ		55			VN	PR						
BHUA-04	670.45				hJ		45			VN	PR						
BHUA-04	670.51				hJ		45			VN	PR						
BHUA-04	670.55				hJ		45			VN	PR						
BHUA-04	670.56				hJ		60			VN	PR						
BHUA-04	670.63				hJ		35			VN	PR						
BHUA-04	670.72				hJ		50			VN	PR						
BHUA-04	670.75				hJ		65			VN	PR						
BHUA-04	670.82				hJ		40			VN	PR						
BHUA-04	670.83				hJ		50			VN	PR						
BHUA-04	670.88				hJ		60			VN	PR						
BHUA-04	670.91				hJ		65			VN	PR						
BHUA-04	671.01				J		90			VN	PR-CU	RF					
BHUA-04	671.01	671.23			J		45			VN	CU-PR-UN	RF					
BHUA-04	671.13				J		40			VN	PR-CU	RF					
BHUA-04	671.30				hJ		35			VN	PR-CU						
BHUA-04	671.33				hJ		35			VN	PR-CU-UN	RF					
BHUA-04	671.38	671.55			hJ		60			VN	PR-CU	RF					
BHUA-04	671.39				hJ					VN	PR						
BHUA-04	671.47				hJ					VN	PR-CU-UN						
BHUA-04	671.54	671.56			hJ					VN	PR-CU-UN						
BHUA-04	671.63				hJ		25			VN	PR-CU						
BHUA-04	671.74				hJ		25			VN	PR-CU-UN						
BHUA-04	671.79				J		20			VN	PR	RF					
BHUA-04	671.82				hJ		25			VN	PR-CU						
BHUA-04	671.96				hJ					VN	PR-CU-IR						
BHUA-04	672.06				hJ					VN	PR-CU						
BHUA-04	672.31				hJ						UN-IR						
BHUA-04	672.40				hJ				including a quartz vein	VN	PR-CU-UN						
BHUA-04	672.42				hJ					VN	UN-IR-PR						
BHUA-04	672.48				J		30			VN	PR-CU	RF					
BHUA-04	672.61	672.70			V					infilled	PR-CU						
BHUA-04	672.66				J		30			VN	PR-CU	RF					
BHUA-04	672.72	672.83			hJ		60			VN	PR						
BHUA-04	672.72	672.86			hJ		60			VN	PR						
BHUA-04	672.76				DB		5				PR						
BHUA-04	672.89				hJ					VN	PR						
BHUA-04	672.92	672.98			hJ		60			VN	PR						
BHUA-04	672.97	673.03			hJ		45			VN	PR-CU						
BHUA-04	673.27				hJ		45			VN	PR-CU						
BHUA-04	673.30	673.35			V		50			VN	PR-CU-UN						
BHUA-04	673.32	673.48			hJ		65			VN	PR-UN						
BHUA-04	673.35				hJ		45			VN	PR-CU						
BHUA-04	673.52				hJ		45			VN	PR-CU						
BHUA-04	673.55				hJ		50			VN	PR-CU						
BHUA-04	673.66				hJ		45			VN	PR-CU						
BHUA-04	673.75				hJ		25			VN	CU-PR						
BHUA-04	673.79				hJ		35			VN	PR						
BHUA-04	673.80				hJ		25			VN	PR-CU						

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	673.85				hJ		30			VN	PR-CU						
BHUA-04	673.89				hJ		35			VN	PR-CU						
BHUA-04	673.92				J		25			VN	PR	RF					
BHUA-04	673.97				hJ		45			VN	PR-CU						
BHUA-04	674.05				V		25			VN-CT	PR-CU						
BHUA-04	674.09				hJ		35			VN	PR-CU						
BHUA-04	674.21				hJ		35			VN	PR						
BHUA-04	674.25				hJ		25			VN	PR						
BHUA-04	674.25	674.61			V		40		Basaltic intrusion	VN	PR						
BHUA-04	674.31				V		5			VN	PR						
BHUA-04	674.40				hJ		45			VN	PR						
BHUA-04	674.42				hJ		45			VN	PR						
BHUA-04	674.51				hJ		35			VN	PR						
BHUA-04	674.52				hJ		35			VN	PR						
BHUA-04	674.54				hJ		40			VN	PR						
BHUA-04	674.58				hJ		45			VN	PR						
BHUA-04	674.62	674.69			hJ		45			VN	PR-UN-CU						
BHUA-04	674.62	674.70			hJ		50			VN	PR-CU-UN						
BHUA-04	674.70				J		25			VN	PR-UN-IR	RF					
BHUA-04	674.71				hJ		50			VN	PR						
BHUA-04	674.81				hJ		65				PR						
BHUA-04	674.81	674.98			hJ		75			VN	PR-CU						
BHUA-04	674.91	675.05			hJ		60			VN	PR-CU						
BHUA-04	674.96				hJ		45			VN	PR						
BHUA-04	675.00	675.80			V		45			VN-CT	PR-CU-IR						
BHUA-04	675.03				hJ		50			VN	PR						
BHUA-04	675.14				hJ		35			VN	PR-CU-UN	RF					
BHUA-04	675.24				hJ		45			VN	PR						
BHUA-04	675.27				hJ		50			VN	PR						
BHUA-04	675.28	675.35			hJ		45			VN	PR-CU						
BHUA-04	675.32				hJ		65			VN	PR						
BHUA-04	675.39				hJ		50			VN	PR						
BHUA-04	675.42				hJ		45			VN	PR						
BHUA-04	675.47				HB		5				PR						
BHUA-04	675.51				hJ		35			VN	PR						
BHUA-04	675.52	675.63			hJ		75			VN	PR-UN						
BHUA-04	675.56				hJ		45			VN	PR						
BHUA-04	675.59				hJ		35			VN	PR-CU						
BHUA-04	675.60	675.70			hJ		45			VN	PR-CU						
BHUA-04	675.62				hJ		45			VN	PR						
BHUA-04	675.69				hJ		25			VN	PR						
BHUA-04	675.70	675.80			V		45			VN	PR						
BHUA-04	675.74				hJ		45			VN	PR-CU						
BHUA-04	675.79	675.88			V		50			VN	PR-CU						
BHUA-04	675.82				hJ		45			VN	PR						
BHUA-04	675.89				hJ		35			VN	CU						
BHUA-04	675.94				hJ		45			VN	PR						
BHUA-04	675.96				hJ		55			VN	PR-CU						
BHUA-04	676.05				hJ		25			VN	PR						
BHUA-04	676.10				hJ		45			VN	PR						
BHUA-04	676.14				hJ		50			VN	PR						
BHUA-04	676.22				hJ		45			VN	PR						
BHUA-04	676.23				hJ		45			VN	PR						
BHUA-04	676.32				hJ		55			VN	PR						
BHUA-04	676.34				hJ		55			VN	PR-CU						
BHUA-04	676.57				hJ		45			VN	PR-CU						
BHUA-04	676.61				hJ		45			VN	PR-CU						
BHUA-04	676.72				hJ		50			VN	PR						
BHUA-04	676.72	676.94			hJ		80			VN	PR						
BHUA-04	676.76				hJ		45			VN	PR						
BHUA-04	676.77				hJ		50			VN	PR-CU						
BHUA-04	676.93				hJ		60			VN	PR-CU						
BHUA-04	676.95				hJ		45			VN	PR						
BHUA-04	677.03				hJ		45			VN	PR						
BHUA-04	677.05				hJ		50			VN	PR						
BHUA-04	677.14				hJ		60			VN	PR						
BHUA-04	677.22				hJ		55			VN	PR						
BHUA-04	677.26				hJ		45			VN	PR						
BHUA-04	677.31				hJ		50			VN	PR						
BHUA-04	677.42				hJ		60			VN	PR						
BHUA-04	677.44				hJ		50			VN	PR						
BHUA-04	677.45				hJ		25			VN	PR-CU						
BHUA-04	677.50				hJ		45			VN	PR-CU						
BHUA-04	677.52				hJ		50			VN	PR						
BHUA-04	677.55				hJ		20			VN	PR-CU						
BHUA-04	677.56				hJ		40			VN	PR						
BHUA-04	677.61				hJ		45			VN	PR						
BHUA-04	677.68				hJ		35			VN	PR						
BHUA-04	677.73				hJ		45			VN	PR						

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	677.80				hJ		55			VN	PR						
BHUA-04	677.91				hJ		20			VN	PR-CU						
BHUA-04	678.01	678.17			hJ		85			VN	PR						
BHUA-04	678.03				hJ		45			VN	PR						
BHUA-04	678.11				hJ		20			VN	PR						
BHUA-04	678.17				hJ		45			VN	PR						
BHUA-04	678.22				hJ		45			VN	PR-CU						
BHUA-04	678.23				J		80		likely quartz infill	VN-CT	CU-UN-ST	RF					
BHUA-04	678.33				hJ		42			VN	PR	RF					
BHUA-04	678.34				hJ		45			VN	PR						
BHUA-04	678.37	678.45			hJ		46			VN	PR						
BHUA-04	678.43	678.47			hJ		50			VN	PR						
BHUA-04	678.50				hJ		50			VN	PR						
BHUA-04	678.58				hJ		45			VN	PR						
BHUA-04	678.60				hJ		10			VN	PR						
BHUA-04	678.62				DB		5				PR						
BHUA-04	678.63	678.70			V		20			VN	PR						basaltic intrusion
BHUA-04	678.65				hJ		45			VN	PR						
BHUA-04	678.80				hJ		45			VN	PR						
BHUA-04	678.81				hJ		45			VN	PR						two joints crossing each other with slight differece in angle
BHUA-04	678.81	678.87			V		35			VN	PR						basaltic intrusion
BHUA-04	678.85				hJ		65			VN	PR						
BHUA-04	678.88				hJ		25			VN	PR-CU						two joints with properties
BHUA-04	678.91				hJ					VN	PR-CU						
BHUA-04	678.94				hJ		30			VN	PR						
BHUA-04	678.96	679.13			hJ		65			VN	PR-CU-UN						intersecting the previous joint at 678.14
BHUA-04	678.98	679.17			hJ		75			VN	PR						
BHUA-04	679.02	679.17			hJ		70			VN	PR-CU						intersecting a joint at 679.17
BHUA-04	679.23				hJ		45			VN	PR						
BHUA-04	679.24				hJ		30			VN	PR						
BHUA-04	679.27				hJ		50			VN	PR						
BHUA-04	679.31	679.36			hJ		40			VN	PR-CU						
BHUA-04	679.37				V		30			VN	PR						
BHUA-04	679.42	679.45			hJ		45			VN	PR-CU						
BHUA-04	679.46	679.50			hJ		45			VN	PR-CU						
BHUA-04	679.48	679.51			V		50			VN	PR						basaltic intrusion
BHUA-04	679.51	679.80			V		40			VN	PR-CU-UN						dip varying from 40 to 80
BHUA-04	679.81				J		25			VN	PR-CU	RF					
BHUA-04	679.82	679.85			V		45			VN	PR-CU-IR						dip varing from 45-80
BHUA-04	679.83				hJ		45			VN	PR						
BHUA-04	679.88				hJ		45			VN	PR						
BHUA-04	679.90	680.17			hJ		80			VN	PR	RF					
BHUA-04	679.96	680.06			hJ		60			VN	PR						two joints with slight difference in angle
BHUA-04	680.25				hJ		45			VN	PR						
BHUA-04	680.30	680.90			V		50			VN	PR-IR						dip varing from 50 to 80
BHUA-04	680.33	680.59			hJ		75			VN	PR						intersecting a healed joint at 680.58
BHUA-04	680.45	680.58			hJ		75			VN	PR						intersecting a healed joint at 680.58
BHUA-04	680.58				hJ		45			VN	CU						
BHUA-04	680.60	680.80			V		45			VN	PR-CU-UN						dip varing from 40 to 85
BHUA-04	680.64				hJ		45			VN	PR						two joints with same dip but opposite orientation crossing at 680.66
BHUA-04	680.71				hJ		45			VN	PR						
BHUA-04	680.73				hJ		50			VN	PR						
BHUA-04	680.75				hJ		35			VN	PR						
BHUA-04	680.80				hJ		45			VN	PR						
BHUA-04	680.83				hJ		45			VN	PR						
BHUA-04	680.84				hJ		45			VN	PR						
BHUA-04	680.88				hJ		25			VN	PR						
BHUA-04	680.89				hJ		20		joints branching	VN	PR-CU						
BHUA-04	680.91				hJ		45			VN	PR						
BHUA-04	680.98				hJ		45			VN	PR						
BHUA-04	681.01				hJ		45			VN	PR						
BHUA-04	681.06				hJ		35			VN	PR						
BHUA-04	681.07				hJ		20			VN	PR						
BHUA-04	681.09				hJ		45			VN	PR						
BHUA-04	681.14				hJ		45			VN	PR						
BHUA-04	681.20				hJ		35			VN	PR						
BHUA-04	681.22				hJ		45			VN	PR						
BHUA-04	681.25				J		45			VN	PR	RF					
BHUA-04	681.33				hJ		50			VN	PR						
BHUA-04	681.41				hJ		45			VN	PR						
BHUA-04	681.56				hJ		50			VN	PR						
BHUA-04	681.60				hJ		35		two joints at same place	VN	PR						
BHUA-04	681.62	681.67			V		45		3 vein intrusion	VN	PR						
BHUA-04	681.63				hJ		45			VN	PR						
BHUA-04	681.68				hJ		50			VN	PR						
BHUA-04	681.71	681.85			hJ		85			VN	PR						
BHUA-04	681.74	681.85			hJ		50			VN	PR						
BHUA-04	681.86	682.01			V		40		dip vary from40-80	VN	PR-CU-UN						
BHUA-04	681.90				V		45			VN	PR						

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	682.02				hJ		45			VN	PR						
BHUA-04	682.08				hJ		35			VN	PR						
BHUA-04	682.08	682.20			hJ		65			VN	PR						
BHUA-04	682.20	682.24			V		65			VN	PR-UN-IR						
BHUA-04	682.26	682.40			V		45			VN	PR						
BHUA-04	682.42				J		35			VN	PR	RF					
BHUA-04	682.44	682.51			hJ		50			VN	PR						
BHUA-04	682.46				hJ		45			VN	PR						
BHUA-04	682.50	682.51			hJ		45			VN	PR						
BHUA-04	682.58				J		30			VN	PR	RF					
BHUA-04	682.63				hJ		45			VN	PR						
BHUA-04	682.70	682.74			hJ		50			VN	PR						
BHUA-04	682.75				J		45			VN	PR-UN	RF					
BHUA-04	682.82				hJ		45			VN							
BHUA-04	682.88				hJ		50		patches of orthoclase feldspar found near this and p	VN	PR						
BHUA-04	682.90				hJ		35			VN	PR						
BHUA-04	682.90	683.09			V		90			VN	PR						
BHUA-04	682.95				J		60			VN	PR-CU-UN	RF					
BHUA-04	682.96				hJ		60			VN	PR-CU						
BHUA-04	683.08				hJ		20			VN	CU-PR						
BHUA-04	683.09				J		20			VN	PR	RF					
BHUA-04	683.11				hJ		10			VN	PR						
BHUA-04	683.18				hJ		25			VN	PR						
BHUA-04	683.19				hJ		45			VN	PR						
BHUA-04	683.20	683.30			hJ		45			VN	PR						
BHUA-04	683.30				hJ		45		intersecting a joint at 683.33	VN	PR						
BHUA-04	683.33				J		20			VN	PR	RF					
BHUA-04	683.36				hJ		35			VN	PR						
BHUA-04	683.38				hJ		45			VN	PR						
BHUA-04	683.39				hJ		45			VN	PR						
BHUA-04	683.40				hJ		45			VN	PR						
BHUA-04	683.45				hJ		45			VN	CU-PR						
BHUA-04	683.48				hJ		25			VN	PR						
BHUA-04	683.49				hJ		20			VN	PR						
BHUA-04	683.52				hJ		45			VN	PR						
BHUA-04	683.54				hJ		50			VN	PR						
BHUA-04	683.55				hJ		60			VN	PR						
BHUA-04	683.60				hJ		30			VN	PR						
BHUA-04	683.61				hJ		35			VN	PR						
BHUA-04	683.62				hJ		45			VN	PR						
BHUA-04	683.67				hJ		45			VN	PR						
BHUA-04	683.72				hJ		35			VN	PR						
BHUA-04	683.75				hJ		45		joints intersecting	VN	PR						
BHUA-04	683.79				hJ		60		multiple joints intersecting	VN	PR						
BHUA-04	683.82				hJ		50			VN	PR						
BHUA-04	683.84				hJ		50			VN	PR						
BHUA-04	683.90	684.03			hJ		70			VN	PR						
BHUA-04	684.04				hJ		45			VN	PR						
BHUA-04	684.06				hJ		45			VN	PR						
BHUA-04	684.10				V		45			VN	CU-PR						
BHUA-04	684.12				hJ		25			VN	PR-CU						
BHUA-04	684.13				V		25			VN	PR-CU						
BHUA-04	684.13	684.39			hJ		85			VN	PR						
BHUA-04	684.14				J		45			VN	PR	RF					
BHUA-04	684.20				hJ		45			VN	PR						
BHUA-04	684.22				hJ		45			VN	PR						
BHUA-04	684.25	684.28			V		25			VN	PR-CU-IR						
BHUA-04	684.36				hJ		45			VN	PR						
BHUA-04	684.43				hJ		50			VN	PR-CU						
BHUA-04	684.44				hJ		45			VN	PR						
BHUA-04	684.46				hJ		25			VN	PR						
BHUA-04	684.55				J		5			VN	PR-CU	RF					
BHUA-04	684.55	684.70			hJ		85			VN	PR						
BHUA-04	684.56				hJ		50			VN	PR						
BHUA-04	684.58				hJ		45			VN	PR						
BHUA-04	684.65				hJ		45			VN	PR						
BHUA-04	684.67				hJ		35			VN	PR						
BHUA-04	684.73				hJ		25			VN	PR						
BHUA-04	684.76				hJ		45			VN	PR						
BHUA-04	684.78				hJ		50			VN	PR						
BHUA-04	684.81				hJ		45			VN	PR						
BHUA-04	684.86				hJ		50			VN	PR						
BHUA-04	685.03				hJ		45			VN	PR						
BHUA-04	685.05	685.15			V		50			VN-CT	PR-CU						
BHUA-04	685.05	685.21			V		65			VN-CT	PR-CU						
BHUA-04	685.21				J		25			VN	PR-CU	RF					
BHUA-04	685.24				hJ		45			VN	PR						
BHUA-04	685.28				hJ		50			VN	PR						
BHUA-04	685.33				hJ		25			VN	PR						

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	685.33	685.36			hJ		45			VN	PR-CU						
BHUA-04	685.36	685.56			hJ		50			VN	PR-CU-UN						
BHUA-04	685.43				hJ		20			VN	PR						
BHUA-04	685.45				J		45			VN	PR	RF					
BHUA-04	685.53				hJ		45			VN	PR						
BHUA-04	685.54				hJ		45			VN	PR						
BHUA-04	685.63				hJ		75			VN	PR						
BHUA-04	685.70				hJ		35			VN	PR						
BHUA-04	685.75				hJ		25			VN	PR						
BHUA-04	685.76				hJ		45			VN	PR						
BHUA-04	685.86				J		35			VN	PR	RF					
BHUA-04	685.88				hJ		50			VN	PR						
BHUA-04	685.91				hJ		25			VN	PR						
BHUA-04	685.93				hJ		35			VN	PR						
BHUA-04	685.96				hJ		30			VN	PR						
BHUA-04	685.99				hJ		50			VN	PR						
BHUA-04	686.05				hJ		50			VN	PR						
BHUA-04	686.13				hJ		25			VN	PR						
BHUA-04	686.20				hJ		45			VN	PR						
BHUA-04	686.22				hJ		45			VN	PR						
BHUA-04	686.24	686.32			hJ		85			VN	PR						
BHUA-04	686.25	686.33			hJ		55			VN	PR						
BHUA-04	686.36				hJ		45			VN	PR						
BHUA-04	686.45				hJ		45			VN	PR						
BHUA-04	686.48	686.57			V		45		basaltic intrusion	VN	PR						
BHUA-04	686.50	686.70			V		40		multiple joints of different orientations and dip vary f	VN	PR-UN-IR						
BHUA-04	686.68				J		45			VN	PR-UN-ST	VR					
BHUA-04	686.69				hJ		45			VN	PR						
BHUA-04	686.75				hJ		45		branching of joints	VN	PR-CU-UN						
BHUA-04	686.80				hJ		70			VN	PR						
BHUA-04	686.83				hJ		45			VN	CU-PR						
BHUA-04	686.84				hJ		75			VN	PR						
BHUA-04	686.85				V		45			VN	PR-CU						
BHUA-04	686.90				hJ		60			VN	PR						
BHUA-04	686.91				hJ		50			VN	PR						
BHUA-04	686.97				hJ		45			VN	PR						
BHUA-04	687.03				hJ		45			VN	PR						
BHUA-04	687.04				hJ		45			VN	PR						
BHUA-04	687.06				hJ		60			VN	PR						
BHUA-04	687.07				hJ		45			VN	PR						
BHUA-04	687.10				V		45			VN	PR						
BHUA-04	687.11				hJ		35			VN	PR						
BHUA-04	687.14				J		25			VN	PR-CU-UN	RF					
BHUA-04	687.18				hJ		50			VN	PR						
BHUA-04	687.21				hJ		50			VN	PR						
BHUA-04	687.27	687.29			hJ		65			VN	PR						
BHUA-04	687.30				J		20			VN	PR-CU-UN	VR					
BHUA-04	687.32				hJ		30			VN	PR						
BHUA-04	687.35				hJ		35			VN	PR						
BHUA-04	687.40				hJ		50			VN	PR						
BHUA-04	687.42				hJ		20			VN	PR						
BHUA-04	687.45				hJ		5			VN	PR						
BHUA-04	687.47				hJ		5			VN	PR						
BHUA-04	687.49				hJ		35			VN	PR						
BHUA-04	687.50				hJ		35			VN	PR						
BHUA-04	687.57				hJ		45			VN	PR						
BHUA-04	687.60				hJ		45			VN	PR						
BHUA-04	687.61				hJ		45			VN	PR						
BHUA-04	687.65	687.74			V		70			VN	PR						
BHUA-04	687.67	687.72			V		45			VN	PR						
BHUA-04	687.69				J		10			VN	PR	RF					
BHUA-04	687.69	687.74			hJ		70			VN	PR						
BHUA-04	687.86	687.99			J		50			VN	PR	RF					
BHUA-04	687.91				J		10			VN	PR	RF					
BHUA-04	687.96				hJ		45			VN	PR						
BHUA-04	687.97				hJ		35			VN	PR						
BHUA-04	688.05				hJ		5			VN	PR						
BHUA-04	688.08				hJ		70			VN	PR						
BHUA-04	688.13				hJ		25			VN	PR						
BHUA-04	688.16				hJ		35			VN	PR						
BHUA-04	688.20				hJ		20			VN	PR-CU						
BHUA-04	688.24				hJ		45			VN	PR						
BHUA-04	688.35				hJ		35			VN	PR						
BHUA-04	688.37				hJ		40			VN	PR						
BHUA-04	688.40				hJ		25			VN	PR						
BHUA-04	688.42				hJ		45			VN	PR						
BHUA-04	688.50				hJ		30			VN	PR						
BHUA-04	688.51				hJ		60			VN	PR						
BHUA-04	688.56				hJ		45			VN	PR						

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	688.57				J		30			VN	PR-CU	SM					
BHUA-04	688.58				hJ		45			VN	PR						
BHUA-04	688.61				J		45			VN	PR-UN	RF					
BHUA-04	688.63				hJ		45			VN	PR						
BHUA-04	688.65				hJ		45			VN	PR						
BHUA-04	688.68				hJ		35			VN	PR						
BHUA-04	688.75				hJ		25			VN	PR						
BHUA-04	688.82				hJ		35			VN	PR						
BHUA-04	688.87	689.06			hJ		75			VN	PR						
BHUA-04	688.89				hJ		45			VN	PR						
BHUA-04	688.94				hJ		50			VN	PR						
BHUA-04	688.96				hJ		35			VN	PR						
BHUA-04	689.05	689.18			V		65			VN	PR						
BHUA-04	689.07				hJ		35			VN	PR						
BHUA-04	689.17				hJ		45			VN	PR						
BHUA-04	689.37				hJ		50			VN	PR						
BHUA-04	689.48				hJ		25			VN	PR						
BHUA-04	689.52				hJ		20			VN	PR						
BHUA-04	689.66				hJ		45			VN	PR						
BHUA-04	689.72				hJ		35			VN	PR						
BHUA-04	689.75				hJ		10			VN	PR						
BHUA-04	689.80				hJ		45			VN	PR						
BHUA-04	689.86				hJ		30			VN	PR						
BHUA-04	689.92				hJ		20			VN	PR-CU						
BHUA-04	690.06				hJ		25			VN	PR						
BHUA-04	690.24				V		20			VN	PR						
BHUA-04	690.30				hJ		45			VN	PR						
BHUA-04	690.37				hJ		45			VN	PR						
BHUA-04	690.48				hJ		35			VN	PR						
BHUA-04	690.51				hJ		25			VN	PR						
BHUA-04	690.52				J		10			VN	PR	RF-SM					
BHUA-04	690.54				hJ		45		intersecting the previous open joint	VN	PR						
BHUA-04	690.64				hJ		45			VN	PR						
BHUA-04	690.71				hJ		65			VN	PR						
BHUA-04	690.75				hJ		45			VN	PR						
BHUA-04	690.77				hJ		35			VN	PR						
BHUA-04	690.80				V		20			VN	PR						
BHUA-04	690.82	690.93			hJ		55			VN	PR						
BHUA-04	690.83				hJ		25		multiple healed joints intersecting	VN	PR						
BHUA-04	690.87	690.96			hJ		45			VN	PR						
BHUA-04	690.97				hJ		45			VN	PR						
BHUA-04	691.07				hJ		35			VN	PR						
BHUA-04	691.10				hJ		45			VN	PR						
BHUA-04	691.12				V		55			VN	PR						
BHUA-04	691.21				hJ		45			VN	PR						
BHUA-04	691.24				hJ		35			VN	PR-UN						
BHUA-04	691.28				hJ		55			VN	PR						
BHUA-04	691.32				hJ		45			VN	PR						
BHUA-04	691.35				hJ		45			VN	PR						
BHUA-04	691.36				hJ		45			VN	PR						
BHUA-04	691.52				hJ		45			VN	PR						
BHUA-04	691.65	691.75			hJ		60			VN	PR-CU						
BHUA-04	691.69				J		20			VN	PR-CU	RF					
BHUA-04	691.87				hJ		45			VN	PR						
BHUA-04	691.92				hJ		65			VN	PR						
BHUA-04	691.95				hJ		35			VN	PR						
BHUA-04	691.97				hJ		55			VN	PR						
BHUA-04	691.98				hJ		45			VN	PR						
BHUA-04	692.07				hJ		45			VN	PR						
BHUA-04	692.08				V		55			VN	PR						
BHUA-04	692.11				hJ		35		few healed joints crossing this healed joint and previ	VN	PR-CU						
BHUA-04	692.18				hJ		55			VN	PR						
BHUA-04	692.25				hJ		55			VN	PR-CU						
BHUA-04	692.28				hJ		25			VN	PR						
BHUA-04	692.31				hJ		20			VN	PR						
BHUA-04	692.43				J		25			VN	PR-CU	RF					
BHUA-04	692.45				hJ		45			VN	PR-CU-IR						
BHUA-04	692.55				hJ		55			VN	PR						
BHUA-04	692.61				hJ		35			VN	PR						
BHUA-04	692.64	692.72			hJ		70			VN	PR						
BHUA-04	692.70				hJ		25			VN	PR						
BHUA-04	692.72				J		40			VN	PR-CU	RF					
BHUA-04	692.78				hJ		35			VN	PR						
BHUA-04	692.82				hJ		45			VN	PR						
BHUA-04	692.90	692.99			hJ		70			VN	PR						
BHUA-04	692.91				hJ		30			VN	PR						
BHUA-04	692.96				hJ		35			VN	PR						
BHUA-04	693.02				hJ					VN	PR-CU-IR						
BHUA-04	693.20				hJ					VN	IR-UN						

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	693.22	693.26			hJ		50			VN	PR-CU-UN						
BHUA-04	693.30				J		40			VN	PR-CU	RF					
BHUA-04	693.34				hJ					VN	PR-CU-UN						
BHUA-04	693.43				hJ		25			VN	PR-CU-UN						
BHUA-04	693.50				hJ					VN	UN						
BHUA-04	693.54				hJ		30			VN	PR-CU						
BHUA-04	693.58	693.59			hJ		25			VN	PR-CU-UN						
BHUA-04	693.60				J		15			VN	PR-UN-CU	RF					
BHUA-04	693.75				hJ					VN	PR-CU-UN						
BHUA-04	693.82				hJ		20			VN	PR-CU						
BHUA-04	693.92				hJ		15			VN	PR-CU-UN						
BHUA-04	693.94				hJ		10			VN	PR-CU-UN						
BHUA-04	693.96				hJ					VN	PR-CU						
BHUA-04	694.04				hJ		15			VN	PR-CU-UN						
BHUA-04	694.15				hJ		20			VN	PR-CU						
BHUA-04	694.17				hJ		25			VN	PR-CU						
BHUA-04	694.27				J		30			VN	PR-CU	RF					
BHUA-04	694.34				hJ		20			VN	PR-CU						
BHUA-04	694.37				hJ		25			VN	PR-CU						
BHUA-04	694.39				hJ		30			VN	PR-CU						
BHUA-04	694.40				hJ					VN	PR-CU-UN						
BHUA-04	694.53				hJ					VN	PR-CU-UN						
BHUA-04	694.61				J		10			VN	PR-CU	RF					
BHUA-04	694.74				hJ		20			VN	PR-CU-UN						
BHUA-04	694.81				hJ		20			VN	PR-CU						
BHUA-04	694.88				hJ		30			VN	PR-CU						
BHUA-04	694.95				hJ					VN	PR-CU-UN						
BHUA-04	694.98				hJ					VN	PR-CU-UN						
BHUA-04	695.03				hJ		10			VN	PR-CU-UN						
BHUA-04	695.22				hJ		45			VN	PR-CU						
BHUA-04	695.28				hJ		35			VN	PR-CU						
BHUA-04	695.37	695.41			hJ					VN	PR-CU-UN						
BHUA-04	695.47				hJ		25			VN	PR-CU						
BHUA-04	695.51	695.58			J		45		joint including vein set with k feldspar and quartz	VN	PR-CU-UN	RF					
BHUA-04	695.59	695.67			hJ		35			VN	PR-CU-UN						
BHUA-04	695.65	695.71			hJ		35		multiple healed joint intersecting each other at this d	VN	PR-CU-UN						
BHUA-04	695.76				hJ		30			VN	PR-CU						
BHUA-04	695.82	695.89			V					infilled	UN-IR						
BHUA-04	695.83	696.28			hJ				vein runs from the depth with unfilled quartz and sim	infilled	UN-IR						
BHUA-04	695.91				J		40			VN	PR-CU-UN	RF					
BHUA-04	696.05	696.09			V					VN	PR-CU-IR						
BHUA-04	696.11				hJ		15			VN	PR-CU-UN						
BHUA-04	696.14				hJ					VN	PR-CU						
BHUA-04	696.21				hJ		20			VN	PR-CU						
BHUA-04	696.23				hJ		30			VN	PR-CU						
BHUA-04	696.30				J		35			VN	UN-IR	RF					
BHUA-04	696.31	696.37			hJ					VN	CU-PR-UN						
BHUA-04	696.40	696.66			V				vein and healed joint running parallel with infilled qu	infilled	PR-CU-UN						
BHUA-04	696.44				J		75			VN	UN	RF					
BHUA-04	696.64				V		30			VN	PR-CU						
BHUA-04	696.71	696.78			MB												
BHUA-04	696.81				J		30			VN	PR-CU	RF					
BHUA-04	696.91				J		40			VN	PR-CU	RF					
BHUA-04	696.92				hJ		35			VN	PR-CU						
BHUA-04	696.95				hJ		30			VN	PR-CU-UN						
BHUA-04	697.08				hJ					VN	PR-CU-UN						
BHUA-04	697.08	697.35			V		30			infilled	PR-CU-UN						
BHUA-04	697.18				hJ		20			VN	PR-CU						
BHUA-04	697.24				hJ		20			VN	PR-CU-UN						
BHUA-04	697.32				hJ						PR-CU-UN						
BHUA-04	697.36				hJ		35			VN	PR-CU						
BHUA-04	697.42				V		35			infilled	PR-CU						
BHUA-04	697.46				hJ		35			VN	PR-CU						
BHUA-04	697.54				hJ					VN	PR-CU						
BHUA-04	697.62				hJ		25			VN	PR-CU						
BHUA-04	697.67				hJ					VN	PR-CU-UN						
BHUA-04	697.88				hJ					VN	PR-CU-UN						
BHUA-04	697.94				hJ		25			VN	PR-CU						
BHUA-04	697.98				hJ		20			VN	PR-CU-UN						
BHUA-04	698.02				hJ		20			VN	PR-CU						
BHUA-04	698.14				hJ		20			VN	CU-PR						
BHUA-04	698.21				hJ		15			VN	PR-CU						
BHUA-04	698.23	698.27			hJ					VN	PR-CU-UN						
BHUA-04	698.33				hJ		15			VN	PR-CU-UN						
BHUA-04	698.40				hJ		20			VN	PR-CU						
BHUA-04	698.45				hJ		25			VN	PR-CU						
BHUA-04	698.54				hJ		30			VN	PR-CU						
BHUA-04	698.71				hJ		15			VN	PR-CU						
BHUA-04	698.81	698.86			J		45			VN	PR-CU-UN	RF					

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	698.95				hJ		20			VN	PR-CU-UN						
BHUA-04	699.05				hJ				parallel vein and healed joint	infilled	PR-CU						
BHUA-04	699.15				hJ		25			VN	PR-CU						
BHUA-04	699.18				hJ		35			VN	PR-CU						
BHUA-04	699.25				J		15			VN	PR-CU	RF					
BHUA-04	699.29				hJ		15			VN	PR-CU						
BHUA-04	699.31	699.32			hJ		15			VN	PR-CU						
BHUA-04	699.37				hJ		25			VN	PR-CU-UN						
BHUA-04	699.39				hJ		10			VN	PR-CU						
BHUA-04	699.44				J		20			VN	CU-PR	RF					
BHUA-04	699.49				hJ		25			VN	PR-CU						
BHUA-04	699.51				hJ					VN	PR-CU-UN						
BHUA-04	699.61				hJ					VN	PR-CU-UN						
BHUA-04	699.75				hJ					VN	PR-CU-UN						
BHUA-04	699.83				hJ		15			VN	PR-CU-UN						
BHUA-04	699.96				hJ		30			VN	PR-CU						
BHUA-04	700.06				J		20			VN	PR-CU-UN	RF					
BHUA-04	700.13				J		10			VN	PR-CU	RF					
BHUA-04	700.15				hJ		20			VN	PR-CU						
BHUA-04	700.19	700.21			V					VN	PR-CU-UN						
BHUA-04	700.23				hJ		30			VN	PR-CU-UN						
BHUA-04	700.29				hJ		15			VN	PR-CU-UN						
BHUA-04	700.31				hJ					VN	PR-CU						
BHUA-04	700.35				hJ		25			VN	PR-CU						
BHUA-04	700.41				hJ		20			VN	PR-CU-UN						
BHUA-04	700.48	700.50			hJ					VN	PR-CU-UN						
BHUA-04	700.63				hJ					VN	PR-CU						
BHUA-04	700.65				V		25			infilled	PR-CU						
BHUA-04	700.66				J		20			VN	PR-CU	RF					
BHUA-04	700.75				hJ		25			VN	PR-CU						
BHUA-04	700.79				hJ		35			VN	PR-CU						
BHUA-04	700.83				J		30			VN	PR-CU	RF					
BHUA-04	700.88				hJ		25			VN	PR-CU-UN						
BHUA-04	700.90				hJ		25			VN	PR-CU-UN						
BHUA-04	700.96				J		10			VN	PR-CU-UN	RF					
BHUA-04	701.10				hJ		65			VN	PR						
BHUA-04	701.11				hJ		5			VN	PR						
BHUA-04	701.17				hJ		20		two healed joints slight different angles	VN	PR						
BHUA-04	701.18				hJ		35			VN	PR						
BHUA-04	701.20				hJ		40			VN	PR						
BHUA-04	701.21				hJ		35			VN	PR						
BHUA-04	701.25				J		15			VN	PR-CU	RF					
BHUA-04	701.26				hJ		20			VN	PR						
BHUA-04	701.28				hJ		20			VN	PR						
BHUA-04	701.30				hJ		25			VN	PR						
BHUA-04	701.31				hJ		75			VN	PR						
BHUA-04	701.36	701.43			V		10		orthoclase feldspar	VN	PR						
BHUA-04	701.38				hJ		30			VN	PR						
BHUA-04	701.41				hJ		10			VN	PR						
BHUA-04	701.42				hJ		5			VN	PR						
BHUA-04	701.46				hJ		25			VN	PR						
BHUA-04	701.48				hJ		45			VN	PR						
BHUA-04	701.51				J		25			VN	PR	RF					
BHUA-04	701.55				hJ		10			VN	PR						
BHUA-04	701.57				hJ		25			VN	PR						
BHUA-04	701.60				hJ		45			VN	CU-PR						
BHUA-04	701.70				hJ		25			VN	PR						
BHUA-04	701.77				hJ		25			VN	PR						
BHUA-04	701.80				hJ		5			VN	PR						
BHUA-04	701.84				hJ		10			VN	PR						
BHUA-04	701.85				hJ		10			VN	PR-CU						
BHUA-04	701.87	701.96			hJ		65			VN	PR						
BHUA-04	701.90				hJ		5			VN	PR						
BHUA-04	702.04				hJ		25			VN	PR						
BHUA-04	702.08				hJ		60			VN	PR						
BHUA-04	702.10	702.16			V		10		basaltic intrusion	VN	PR-IR-CU						
BHUA-04	702.13				J		25		embedded healed joints within the joint	VN	PR	RF					
BHUA-04	702.16				hJ		20			VN	PR-CU						
BHUA-04	702.22				hJ		430			VN	PR						
BHUA-04	702.26	702.30			hJ		40		multiple healed joints	VN	PR-CU						
BHUA-04	702.30				hJ		60			VN	PR						
BHUA-04	702.37				hJ		45			VN	PR						
BHUA-04	702.40				J		25			VN	PR-CU	RF					
BHUA-04	702.45				hJ		35			VN	PR						
BHUA-04	702.60				hJ		45			VN	PR						
BHUA-04	702.65				hJ		45			VN	PR						
BHUA-04	702.80				hJ		45			VN	PR						
BHUA-04	702.81				hJ		45			VN	PR						
BHUA-04	702.88				hJ		45			VN	PR						

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	702.95				hJ		50			VN	PR						
BHUA-04	703.02				hJ		50			VN	PR						
BHUA-04	703.10				hJ		35			VN	PR						
BHUA-04	703.19				hJ		45			VN	PR						
BHUA-04	703.20	703.22			hJ		25			VN	PR						
BHUA-04	703.30				V		45		basaltic intrusion	VN	PR						
BHUA-04	703.32				hJ		45			VN	PR						
BHUA-04	703.38				hJ		35			VN	PR						
BHUA-04	703.45				hJ		25			VN	PR						
BHUA-04	703.48				hJ		25			VN	PR						
BHUA-04	703.53				hJ		25			VN	PR						
BHUA-04	703.63				hJ		20			VN	PR-CU						
BHUA-04	703.73				hJ		35			VN	PR						
BHUA-04	703.80				hJ		35			VN	PR						
BHUA-04	703.90				hJ		35			VN	PR						
BHUA-04	703.93				hJ		35			VN	PR						
BHUA-04	704.11				hJ		25			VN	PR						
BHUA-04	704.14				hJ		25			VN	PR						
BHUA-04	704.22				hJ		25			VN	PR						
BHUA-04	704.30				hJ		20			VN	PR						
BHUA-04	704.34				hJ		25			VN	PR						
BHUA-04	704.37				hJ		5			VN	PR						
BHUA-04	704.41				hJ		25			VN	PR-CU						
BHUA-04	704.42				hJ		25			VN	PR						
BHUA-04	704.46				hJ		25			VN	PR						
BHUA-04	704.48				hJ		10			VN	PR						
BHUA-04	704.50				hJ		10			VN	PR						
BHUA-04	704.58	704.65			V		45		quartz	VN	PR						
BHUA-04	704.60				hJ		5			VN	PR						
BHUA-04	704.61				hJ		35			VN	PR						
BHUA-04	704.69	704.82			J		60			VN	PR	RF					
BHUA-04	704.89				hJ		10			VN	PR						
BHUA-04	704.91				J		40			VN	PR	RF					
BHUA-04	704.96				hJ		15			VN	PR						
BHUA-04	705.43				J		5			VN	PR	RF					
BHUA-04	705.55				hJ		85			VN	PR-CU						
BHUA-04	705.58				hJ		5			VN	PR						
BHUA-04	705.78	705.96			hJ		75			VN	PR						
BHUA-04	705.83				hJ		15			VN	PR						
BHUA-04	705.94	706.07			hJ		65			VN	PR						
BHUA-04	706.08				hJ		25			VN	PR						
BHUA-04	706.25				hJ		35			VN	PR						
BHUA-04	706.30	706.34			hJ		25			VN	PR						
BHUA-04	706.38				V		35		quartz	VN	PR						
BHUA-04	706.42				hJ		25			VN	PR						
BHUA-04	706.50				hJ		45			VN	PR						
BHUA-04	706.60				hJ		45			VN	PR						
BHUA-04	706.87				J		45			VN	PR-UN-ST	RF					
BHUA-04	707.00				hJ		70			VN	PR						
BHUA-04	707.15				hJ		5			VN	PR						
BHUA-04	707.36				J		10			VN	PR-UN	RF					
BHUA-04	707.38				J		5			VN	PR	RF					
BHUA-04	707.40				J		45		joint material was disturbed by manual handling	VN	PR-UN-IR	RF					
BHUA-04	707.57				hJ		45		branching of healed joints	VN	PR						
BHUA-04	707.60				hJ		45		branching of healed joints	VN	PR-CU						
BHUA-04	707.65				hJ		25			VN	PR						
BHUA-04	707.69				hJ		75			VN	PR						
BHUA-04	707.71				hJ		80		branching of healed joints	VN	PR						
BHUA-04	707.76				hJ		35		intersection of healed joints	VN	PR						
BHUA-04	707.81				hJ		65			VN	PR						
BHUA-04	707.89				hJ		45			VN	PR						
BHUA-04	707.91				hJ		45			VN	PR						
BHUA-04	707.94				hJ		50		multiple healed joints crossing	VN	PR						
BHUA-04	708.04	708.21			V		75			VN	PR-CU						
BHUA-04	708.08				hJ		35			VN	PR-CU						
BHUA-04	708.20				J		20			VN	PR-CU	SM					
BHUA-04	708.30				hJ		5			VN	PR						
BHUA-04	708.32				hJ		40			VN	PR						
BHUA-04	708.33				hJ		45			VN	PR						
BHUA-04	708.44				V		25			VN	PR-CU						
BHUA-04	708.49				hJ		10			VN	PR						
BHUA-04	708.53	708.65			V		25		multiple healed joints with different orientations and	VN	PR-CU-IR						
BHUA-04	708.69				J		10			VN	PR	RF					
BHUA-04	708.79				hJ		45			VN	PR						
BHUA-04	708.80				hJ		45			VN	PR						
BHUA-04	708.82				hJ		45			VN	PR						
BHUA-04	708.90				hJ		50			VN	PR						
BHUA-04	708.92				hJ					VN	PR						
BHUA-04	708.99				V		5			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
BHUA-04	709.01				hJ		5			VN	PR						
BHUA-04	709.06				hJ		35			VN	PR						
BHUA-04	709.12				J		15			VN	PR-CU	RF					
BHUA-04	709.15				hJ		5			VN	PR						
BHUA-04	709.15	709.27			V		85			VN	PR						
BHUA-04	709.25				V		45			VN	PR						
BHUA-04	709.28				hJ		55			VN	PR						
BHUA-04	709.30				hJ		25			VN	PR						
BHUA-04	709.40				hJ		25			VN	PR						
BHUA-04	709.47				DB		5				PR						
BHUA-04	709.51				V		55			VN	PR						
BHUA-04	709.58				DB		5				PR						
BHUA-04	709.59				hJ		85			VN	PR						
BHUA-04	709.65	709.90			DB				multiple drill breaks causing pieces of core								
BHUA-04	709.92				hJ		25			VN	PR						
BHUA-04	710.00	710.14			hJ		85			VN	PR						
BHUA-04	710.13				V		25			VN	PR						
BHUA-04	710.14				DB												
BHUA-04	710.15				hJ		50			VN	PR						
BHUA-04	710.20				hJ		45			VN	PR						
BHUA-04	710.23				hJ		45			VN	PR						
BHUA-04	710.32				DB												
BHUA-04	710.34				V		45			VN	PR						
BHUA-04	710.51				DB		5				PR-CU						
BHUA-04	710.57				hJ		25			VN	PR						
BHUA-04	710.60	710.74			V		85			VN	PR						
BHUA-04	710.62				V		5				PR						
BHUA-04	710.76				DB		5				PR-CU						
BHUA-04	710.80				hJ					VN	CU						
BHUA-04	710.81				hJ		20			VN	PR						
BHUA-04	710.95				hJ		80			VN	PR						
BHUA-04	710.96	711.06			hJ		50			VN	PR-CU						
BHUA-04	711.05				hJ		45			VN	PR						
BHUA-04	711.12				DB		5				PR						
BHUA-04	711.14				V		50		quartz or orthoclase feldspar	VN	PR						
BHUA-04	711.19				hJ		30			VN	PR						
BHUA-04	711.21				hJ		25			VN	PR						
BHUA-04	711.30				DB		5				PR						
BHUA-04	711.38				hJ		25			VN	PR						
BHUA-04	711.40				hJ		35			VN	PR						
BHUA-04	711.43				DB		5				PR						
BHUA-04	711.47	711.57			hJ		75			VN	PR						
BHUA-04	711.49				hJ		20			VN	PR						
BHUA-04	711.57				DB		5			VN	PR						
BHUA-04	711.70				hJ		20			VN	PR						
BHUA-04	711.75				hJ		25			VN	PR						
BHUA-04	711.82				DB		5			VN	PR						
BHUA-04	711.89				hJ		25			VN	PR						
BHUA-04	711.94				hJ		20		two healed joints are same point	VN	PR-CU						
BHUA-04	712.02				J		20		healed joints and drill marks around the	VN	PR-CU	RF					
BHUA-04	712.11				hJ		20			VN	PR						
BHUA-04	712.20				V		20			VN	CU						
BHUA-04	712.23				hJ		45		multiple healed joints in vicinity	VN	PR						
BHUA-04	712.30	712.50			V		10		possible intrusion of mixed volcanics with different n	VN-CT	PR-CU-UN						
BHUA-04	712.50				HB												
BHUA-04	712.50	712.66			V		20		multiple healed joints different orientations	VN	PR-CU-IR						
BHUA-04	712.55	712.60			hJ		20			VN	PR						
BHUA-04	712.66				IS		40		orthoclase infill	infilled	PR						
BHUA-04	712.68				DB												
BHUA-04	712.70				J		45			VN	PR-CU	RF					
BHUA-04	712.74	712.78			V		25			VN	PR-CU-IR						
BHUA-04	712.78				J		20			VN	PR-CU-UN	RF					
BHUA-04	712.79				J		25			VN	PR-CU-UN	RF					
BHUA-04	712.85				hJ		45			VN	PR						
BHUA-04	712.87				hJ		20			VN	PR						
BHUA-04	713.07				hJ		10			VN	PR						
BHUA-04	713.11				hJ		10			VN	PR						
BHUA-04	713.17	713.24			hJ		70			VN	PR						
BHUA-04	713.24				J		40			VN	PR-CU-IR	RF					
BHUA-04	713.29				hJ		75			VN	PR						
BHUA-04	713.32				hJ		75			VN	PR						
BHUA-04	713.37	714.37			V		75		pale yl bk	VN	PR-CU			7			
BHUA-04	713.40				V		45		Qtz	VN	PR						
BHUA-04	713.44	713.97			hJ	x12	45		bk pale yl		PR						
BHUA-04	713.66	713.84			V		80		bk pale yl	VN	PR-UN			5			
BHUA-04	713.95				V		35		bk pale yl	VN	PR-UN			20			
BHUA-04	714.00	714.09			V		75		bk gy	VN	PR-CU-UN			5			
BHUA-04	714.03	714.33			hJ	x11	20		bk		PR						
BHUA-04	714.61				V		10		gn pale yl	VN	PR			4			

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	714.73				V	x2	35		bk		PR			5			
BHUA-04	714.76	714.90			hJ	x3	20		bk		PR						
BHUA-04	715.21	715.34			V	x4	35		gn bk	VN	PR			12			
BHUA-04	715.35	715.42			hJ	x3	45		wh pale yl		PR						
BHUA-04	715.52				V		60		pale yl	VN	PR			5			
BHUA-04	715.65				hJ		5		bk		PR						
BHUA-04	715.75				V		20		wh, bk pale yl	VN	PR			8			
BHUA-04	715.90	716.00			hJ	x4	45		pale yl		PR						
BHUA-04	716.00	716.25			hJ	x2	75		pale yl		PR-UN						
BHUA-04	716.10				V		10		bk pale yl	VN	PR			5			
BHUA-04	716.25				J		28			CN	PR-CU-UN	RF					
BHUA-04	716.30	716.82			hJ	x8	70		pale yl		UN-CU-PR						
BHUA-04	716.52				V		60		pale yl	VN	UN-CU-PR						
BHUA-04	717.07	717.40			hJ	x4	35		pale yl		PR						
BHUA-04	717.20	717.30			hJ	x2	20		pale yl		PR						
BHUA-04	717.53				V		65		pale yl	VN	ST-PR			5			
BHUA-04	717.58				MB												
BHUA-04	717.58	717.70			hJ	x6	45		pale yl		PR-UN						
BHUA-04	717.75				V		35		pale yl	VN	PR			5			
BHUA-04	717.82	718.15			hJ	x4	45		pale yl		PR						
BHUA-04	717.87				hJ		10		pale yl		PR						
BHUA-04	718.00				hJ		5		pale yl		PR						
BHUA-04	718.12				hJ		60		wh pale yl		UN						
BHUA-04	718.18				V		70		wh gy	VN	UN-PR			5			
BHUA-04	718.19	718.42			hJ	x4	30		gy pale yl		PR						
BHUA-04	718.50				J		60			CN	PR-UN	SM-RF					
BHUA-04	718.55	718.70			hJ	x2	50		pale yl		PR-UN						
BHUA-04	718.80				V		50		pale yl		PR-UN						
BHUA-04	719.05				V		80		wh	VN	PR-CU						
BHUA-04	719.10	719.70			hJ	x9	45		pale yl		PR						
BHUA-04	719.20				V		85		wh	VN	PR-UN			5			
BHUA-04	719.22	719.29			V	x2	50		wh, gn micro fault	VN-SN	PR			10			
BHUA-04	719.35	719.75			AZ		70				PR-IR						
BHUA-04	719.48	719.73			J	x3	45		pale yl	SN-CN	UN-PR	SM-RF					
BHUA-04	719.74				J		5			CN-SN	PR	SM					
BHUA-04	719.77				V		70		wh	VN	IR-UN			5			
BHUA-04	719.95				J		45			SN-CN	PR-UN	RF					
BHUA-04	720.00	720.07			V	x3	35		pale yl	VN	PR-UN			5			
BHUA-04	720.13	720.60			hJ	x12	45		pale yl		PR						
BHUA-04	720.17				J		5			CN	IR	SM					
BHUA-04	720.30	720.65			hJ	x4	60		pale yl		PR						
BHUA-04	720.35				hJ		85		pale yl		PR						
BHUA-04	720.60	720.70			V	x2	30		gy	VN	PR-CU			5			
BHUA-04	720.80	721.00			hJ	x3	40		pale yl		PR						
BHUA-04	720.83				V		10		pale yl	VN	PR-CU			5			
BHUA-04	721.10	721.56			hJ	x8	45		pale yl		PR						
BHUA-04	721.12				V		60		pale yl	VN	PR			8			
BHUA-04	721.25	721.80			hJ	x9	60		bk pale yl		PR-CU						
BHUA-04	721.64	721.83			V	x3	60		wh, gy/bk	VN	PR						
BHUA-04	721.73				J		55		gn	CN-SN	IR	RF					
BHUA-04	721.92				hJ		80		pale yl		PR						
BHUA-04	722.10	722.40			hJ	x8	38		pale yl		PR						
BHUA-04	722.25				V		5		pale yl	VN	PR			5			
BHUA-04	722.65	722.90			V	x3	70		bk pale yl	VN	PR			10			
BHUA-04	723.08	723.12			V	x2	10		bk	VN	PR			9			
BHUA-04	723.20	723.50			hJ	x7	20		pale yl		PR						
BHUA-04	723.23	723.69			hJ	x8	45		pale yl		PR						
BHUA-04	723.34	723.70			hJ	x4	70		pale yl		PR-UN						
BHUA-04	723.74	724.11			V	x5	50		pale yl	VN	PR-CU			50			
BHUA-04	723.75	723.93			hJ	x6	60		pale yl		PR						
BHUA-04	723.87				J		20				IR-PR	SM					
BHUA-04	724.02				J		10			CN	IR	SM					
BHUA-04	724.04	724.30			hJ	x6	60		pale yl		PR						
BHUA-04	724.20				J		30			CN	IR	RF					
BHUA-04	724.25	724.80			hJ	x12	45		pale yl		PR						
BHUA-04	724.28				V		60		wh br	VN-SN	PR			20			
BHUA-04	724.45	724.80			hJ	x4	70		pale yl								
BHUA-04	724.81				V		45		bk wh pale yl	VN	PR-UN			30			
BHUA-04	724.92				V		60		bk wh pale yl	VN	PR-UN			15			
BHUA-04	725.00	725.35			hJ	x7	45		wh pale yl		PR						
BHUA-04	725.15	725.23			V	x2			bk pale yl	VN	PR-UN						
BHUA-04	725.22	725.40			hJ	x4	60		wh	VN	PR						
BHUA-04	725.62				V		68		wh pale yl gy k-alteration <5mm	VN	PR						
BHUA-04	725.66				J		20			VN	IR-CU	SM					
BHUA-04	725.75	725.97			V	x2	45		gy pale yl	VN	PR			5			
BHUA-04	725.84	726.05			hJ	x12	45		pale yl		PR						
BHUA-04	725.88				J		20			CN	IR-UN	RF					
BHUA-04	726.00				V		70		pale yl	VN	PR			5			
BHUA-04	726.23				V		45		pale yl	VN	PR			40			

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	726.34				J		20			CN	PR	RF					
BHUA-04	726.58				V		80		gn pale yl	VN	PR			8			
BHUA-04	726.75				V		90		wh	VN	PR-IR-UN			5			
BHUA-04	726.86				V	x30	45		wh, yl crossed by another vein	VN	UN-IR						
BHUA-04	726.92	727.08			hJ	x6	45		wh		PR-UN-IR						
BHUA-04	726.93				V		98		wh pale yl	VN	PR			5			
BHUA-04	727.02				J		45			CN	UN-CU	RF					
BHUA-04	727.15	728.00			SZ		90		multiple fractures	CN	IR	RF-SM					
BHUA-04	727.20	727.27			V	x3	25		pk, yl	VN	UN-PR			5			
BHUA-04	727.50	727.60			hJ	x5	60		pale yl		IR						
BHUA-04	727.53				J		45			CN	PR	SM					
BHUA-04	727.56	728.26			J		90			CN	ST-IR	RF					
BHUA-04	727.60	727.80			V	x4	70		wh, pk	VN	PR-UN			10			
BHUA-04	728.04				V		80		Qtz vein	VN	PR-CU			10			
BHUA-04	728.12	728.18			hJ	x3	20		wh pale yl		PR						
BHUA-04	728.36	729.70			hJ	x10	70		wh	SN	PR						
BHUA-04	728.74				J		50		pk, wh pale yl	VN-CT	PR-CU	RF		12			
BHUA-04	729.00	729.70			V	x3	70		pale yl	VN	PR			10			
BHUA-04	729.12				V		60		pale yl	VN				5			
BHUA-04	729.15	729.50			hJ	x6	45		pale yl	VN							
BHUA-04	729.20				V		90		yl	VN	PR-ST-IR			5			
BHUA-04	729.55				V		45		pale yl	VN	PR			5			
BHUA-04	729.77	730.12			V	x4	70		wh	VN	PR			5			
BHUA-04	729.90				J		60			CN	ST-PR	RF					
BHUA-04	730.12	730.45			hJ	x9	60		pale yl		PR-UN						
BHUA-04	730.40				J		60			CN	PR	RF					
BHUA-04	730.65	730.82			V	x2	60		wh, pk, pale yl	VN	PR						
BHUA-04	730.66				J		50			CN	PR	RF					
BHUA-04	730.72				J		60			CN-VN	PR	RF					
BHUA-04	731.00	731.42			hJ	x7	30		wh, pale yl		IR-PR						
BHUA-04	731.05	731.20			V		45		pale yl	VN	PR			5			
BHUA-04	731.26	731.42			J		20			CN	PR	SM					
BHUA-04	731.27				V		10		pale yl	VN	PR			50			
BHUA-04	731.38				V		30		wh, pale yl	VN	PR-IR						
BHUA-04	731.58	731.78			hJ	x4	20		wh, yl		PR						
BHUA-04	731.67	732.25			hJ	x11	60		pale yl		PR						
BHUA-04	731.90				V		10		pale yl	VN	PR			5			
BHUA-04	732.32	732.70			hJ	x4	10		pale yl		PR						
BHUA-04	732.76	732.95			hJ	x7	45		pale yl		PR						
BHUA-04	732.78				V		60		wh	VN	UN			5			
BHUA-04	733.04	733.20			hJ	x9	45		pale yl		PR						
BHUA-04	733.28				V		80		pale yl	VN	PR			12			
BHUA-04	733.28	733.45			hJ	x5	60		pale yl		PR						
BHUA-04	733.53				V		40		pale yl	VN				5			
BHUA-04	733.70				J		30			CN	PR	RF					
BHUA-04	733.75	733.86			hJ	x5	60		pale yl		PR						
BHUA-04	733.97				J		10			CN	PR	SM					
BHUA-04	734.03	734.10			V	x2	70		wh pale yl	VN	PR			5			
BHUA-04	734.18				V		80		wh	VN	PR			5			
BHUA-04	734.21				V		10		dark gy gn	VN	PR			5			
BHUA-04	734.39				hJ		30		pale yl		PR						
BHUA-04	734.59	734.93			hJ	x11	60		wh pale yl		PR						
BHUA-04	734.60				hJ		60		pale yl		PR						
BHUA-04	734.70				J		10			CN	IR-UN	RF					
BHUA-04	734.78				V		80		pale yl	VN	PR			5			
BHUA-04	734.92				V		45		pale yl	VN	PR			5			
BHUA-04	735.00	735.68			V		45		wh, pk	VN-SN	PR-UN			60			
BHUA-04	735.14				V		30		wh	VN				15			
BHUA-04	735.19				V		45		wh	VN	PR			5			
BHUA-04	735.28				J		25			CN	IR	RF					
BHUA-04	735.34				hJ		90		pale yl		PR						
BHUA-04	735.87	736.83			hJ	x9	40		pale yl		PR						
BHUA-04	736.25				hJ		10		bk pale yl								
BHUA-04	736.52	763.75			V		45		pale gy	VN				30			
BHUA-04	736.63				hJ		60		pale yl		PR						
BHUA-04	737.05	737.44			hJ	x15	30		wh pale yl		PR						
BHUA-04	737.11				J		20			CN	PR	SM					
BHUA-04	737.30	737.36			V	x2	20		pale yl	VN	PR			5			
BHUA-04	737.50	737.67			hJ	x5	60		pale yl	SN	PR						
BHUA-04	737.68				V		70		pk, gy v	VN	PR			20			
BHUA-04	737.93	738.60			hJ	x7	60		pale yl		PR						
BHUA-04	738.15	738.56			hJ	x6	45		pale yl		PR						
BHUA-04	738.33	738.52			J		60			CN	IR-UN	RF					
BHUA-04	738.48				V		70		wh	VN	PR			5			
BHUA-04	738.77	739.07			hJ	x3	30		pale yl		PR						
BHUA-04	738.78	739.00			hJ	x5	45		pale yl		PR						
BHUA-04	739.14				J		60		rd, wh	CN	PR	RF					
BHUA-04	739.18	739.60			hJ	x6	45		wh, pale yl		PR						
BHUA-04	739.39	740.80			hJ	x18	60		wh pale yl		PR						

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	739.75	739.80			hJ	x2	90		pale yl		PR						
BHUA-04	739.82				J		10			CN	IR-UN	SM					
BHUA-04	740.04	740.25			hJ	x5	30		wh pale yl		PR						
BHUA-04	740.15				J		15			CN	PR	SM					
BHUA-04	740.34	740.53			V		30		pale yl	VN	PR			10			
BHUA-04	740.40	741.25			V	x7	70		wh	VN	PR			5			
BHUA-04	740.57				J		30			CN	PR	SM					
BHUA-04	741.07	741.41			hJ	x6	45		wh, pale yl	VN	PR						
BHUA-04	741.41	741.49			hJ	x2	45		wh, pale yl		PR						
BHUA-04	741.51				V		70		vk	VN	PR			2			
BHUA-04	741.51	741.95			V		90		pale yl		UN			2			
BHUA-04	741.66	741.69			hJ	x2	30		bk		PR-UN						
BHUA-04	741.70				V		15		wh		PR			2			
BHUA-04	741.78	741.86			hJ	x2	45		bk		PR						
BHUA-04	741.95	741.98			hJ	x3	45		bk		PR						
BHUA-04	742.01				V		45		bk	VN	UN-PR			2			
BHUA-04	742.01	742.64			hJ	x6	45		bk		PR-CU						
BHUA-04	742.27				V		85		bk/wh mi		PR			4			
BHUA-04	742.43				V		30		wh mi	VN	PR			5			
BHUA-04	742.66				V		30		wh alteration	VN	PR			3			
BHUA-04	742.81	742.85			J	x3	50		bk	SN	PR	RF					
BHUA-04	742.85	742.89			hJ	x2	35		bk		PR						
BHUA-04	743.06	743.64			hJ	x8	45		wh		PR						
BHUA-04	743.27	743.30			V	x2	60		wh		PR-CU						
BHUA-04	743.30	743.55			V		90		wh	VN	PR			2			
BHUA-04	743.42				J		50			CT	PR	RF					
BHUA-04	743.50				hJ		50		wh		UN						
BHUA-04	743.63	743.72			V	x2	75		wh	VN	CU			2			
BHUA-04	743.66				V		75		wh	VN	CU-UN			5			
BHUA-04	743.69				J		30			CT	PR	RF					
BHUA-04	743.80				J		30			SN	PR	RF					
BHUA-04	743.80	743.90			J		85			SN	UN	RF					
BHUA-04	743.87	743.93			hJ	x2	45		wh		PR-UN						
BHUA-04	743.94				J		30			SN	PR	RF					
BHUA-04	744.12				hJ		35				PR						
BHUA-04	744.17	744.42			hJ	x2	70		wh		PR						
BHUA-04	744.19	744.56			V	x2	45		wh	VN	PR						
BHUA-04	744.30	744.47			J	x2	20			CT	PR	RF					
BHUA-04	744.44				V		85		wh	VN	PR			3			
BHUA-04	744.55				V		25		wh alteration	VN	PR			2			
BHUA-04	744.61	744.75			hJ	x4	45		wh		UN						
BHUA-04	744.78	744.87			hJ	x2	55		wh		PR						
BHUA-04	744.86				J		65			SN-CT	PR	RF					
BHUA-04	744.86	745.00			V		78		wh Qtz	VN	PR			5			
BHUA-04	744.96				hJ		70				PR-UN						
BHUA-04	745.02	745.47			hJ	x4	50		wh		PR						
BHUA-04	745.05	745.17			J	x3	70			SN	PR	RF					
BHUA-04	745.10	745.13			V	x3	30		wh	VN	PR			6			
BHUA-04	745.20				hJ		30		bk		PR						
BHUA-04	745.67				hJ		70		wh		PR-UN						
BHUA-04	745.69				DB												
BHUA-04	745.71	745.75			J	x2	45		wh	CT	PR	RF					
BHUA-04	745.77	745.79			V	x2	50		wh		PR			15			
BHUA-04	745.78				hJ		70				PR						
BHUA-04	745.81				hJ		45		bk		PR						
BHUA-04	745.90				V		10		wh	VN	PR						
BHUA-04	745.91				V		45		wh	VN	PR			2			
BHUA-04	746.03	746.61			hJ	x3	20		wh		PR						
BHUA-04	746.10				hJ		30		pale yl		PR						
BHUA-04	746.19	746.32			hJ	x2	40		pale yl		PR						
BHUA-04	746.46				J		60			CT	PR	RF					
BHUA-04	746.73				V		65		wh pale yl	VN	PR			5			
BHUA-04	746.84				hJ		60		bk		PR						
BHUA-04	746.98				hJ		55		bk		PR-UN						
BHUA-04	747.03				hJ		35		wh pale yl		PR-UN						
BHUA-04	747.05	747.37			hJ	x3	50		bk		PR						
BHUA-04	747.13	747.19			hJ	x2	70		pale yl		PR						
BHUA-04	747.21				J		35			CN	PR	RF					
BHUA-04	747.31	747.36			V	x2	45		bk	VN	CU			5			
BHUA-04	747.39	747.42			hJ	x2	50		bk		PR-UN						
BHUA-04	747.49				J		45			CN	PR-ST	RF-SM					
BHUA-04	747.60				J		20			CN	PR	RF					
BHUA-04	747.65				hJ		45				UN-PR						
BHUA-04	747.72				V		35		wh, bk mineral		PR			5			
BHUA-04	747.75				V		85		bk		PR-UN			2			
BHUA-04	747.76	748.06			hJ	x2	90		bk	VN	PR-CU						
BHUA-04	747.79	747.81			hJ	x2	45		bk		PR						
BHUA-04	748.05				hJ		60		bk		PR						
BHUA-04	748.11				V		25		wh mineral		PR			3			

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	748.29	749.30			hJ	x8	50		wh		PR						
BHUA-04	748.57				V		5		wh		PR			8			
BHUA-04	748.82	748.94			V	x4	45		wh, bk		PR			4			
BHUA-04	748.84				J		10			CT	UN-IR	RF					
BHUA-04	749.07	749.12			J	x2	55		bk	CT	CU-PR-UN	RF					
BHUA-04	749.14				V		5		yl-mi bk mi	VN	PR						
BHUA-04	749.15	749.99			hJ	x12	45		pale yl, wh-mi, bl-mi		PR-CU						
BHUA-04	749.68				J		30			CN	PR-UN	RF					
BHUA-04	749.86				V		50		bl-mi	VN	PR			3			
BHUA-04	749.87	749.96			V	x4	45		yl-mi, gr-mi, bl-mi		PR-CU			5			
BHUA-04	750.00	750.74			V	x18	45		gn-mi, b, yl-mi, pale gy	CT	PR-CU			8			
BHUA-04	750.04	750.73			hJ	x19	50		bl-mi	CT	PR-CU						
BHUA-04	750.24				J		15			CN	PR-IR	RF					
BHUA-04	750.25	750.45			V	x3			wh mineral	CT	PR			12			
BHUA-04	750.62				J		45			CN	CU	RF					
BHUA-04	750.72				V		45		bk gy	VN	PR			5			
BHUA-04	750.77	750.81			hJ	x3	45		bk	VN	PR-UN						
BHUA-04	750.90				hJ		45		pale yl		CU						
BHUA-04	750.92				hJ		70		pale yl		PR-UN						
BHUA-04	750.94				hJ		85		pale yl		PR-UN						
BHUA-04	751.05	751.69			hJ	x10	45		wh pale yl		PR-UN						
BHUA-04	751.18	751.36			hJ	x2	30		pale yl		UN-PR						
BHUA-04	751.23	751.68			hJ	x2	35		pale yl		PR-UN						
BHUA-04	751.35				V		70		bk	VN	PR			4			
BHUA-04	751.59				hJ		30		bk		PR-UN						
BHUA-04	751.73	751.84			V	x3	35		wh	VN	PR			5			
BHUA-04	751.85				J		45			CT-SN	PR	RF					
BHUA-04	751.87				hJ		70		bk		PR-UN						
BHUA-04	751.92				hJ		40		wh		PR						
BHUA-04	752.05				hJ		70		wh		PR-UN						
BHUA-04	752.14				V		45		wh	VN	PR-UN			2			
BHUA-04	752.21	752.50			V	x4	10		pale yl	VN	PR-UN						
BHUA-04	752.28	752.84			hJ	x10	20		gn, gy		PR-UN						
BHUA-04	752.35				J		15			CN-CT	PR	RF					
BHUA-04	753.08				hJ		35		bk		PR-UN						
BHUA-04	753.14				J		25			CT-SN	UN-ST	RF					
BHUA-04	753.15				hJ		80		bk, wh		PR						
BHUA-04	753.49	753.60			hJ	x3	15		bk		PR						
BHUA-04	753.54				V		60		wh	VN	PR-UN			5			
BHUA-04	753.55	753.73			hJ	x2	15		bk		PR-UN						
BHUA-04	753.61				V		45		bk	VN	PR			3			
BHUA-04	753.73	753.79			hJ	x3	15		bk		PR						
BHUA-04	753.86	753.96			hJ	x3	35		wh bk		PR-UN						
BHUA-04	753.89	753.98			hJ	x2	45		wh bk		PR-UN						
BHUA-04	754.01	754.04			hJ	x3	70		pale yl		PR-UN						
BHUA-04	754.09				V		10		bk	VN	PR			4			
BHUA-04	754.10	754.23			hJ	x8	45		pale yl		PR-UN						
BHUA-04	754.26				V		30		bk	VN	PR			10			
BHUA-04	754.29	754.99			hJ	x9	55		pale yl		PR						
BHUA-04	754.44				hJ		75		bk		PR-UN						
BHUA-04	754.53				hJ		5		pale yl		PR-UN						
BHUA-04	754.60				J		20			CT	PR	RF					
BHUA-04	754.62				hJ		45		pale yl		PR-UN						
BHUA-04	754.72				hJ		20				PR						
BHUA-04	754.83				J		45			CT-SN	PR	RF					
BHUA-04	755.05				V		30		wh pale yl	VN	PR			4			
BHUA-04	755.24				hJ		70		wh		PR-UN						
BHUA-04	755.29	755.39			hJ	x4	40		pale yl		PR						
BHUA-04	755.44	755.52			hJ	x3	40		pale yl		PR-UN						
BHUA-04	755.52	755.66			hJ	x4	50		pale yl		PR-UN						
BHUA-04	755.73				V		80		wh	VN	PR			3			
BHUA-04	755.80				hJ		30		pale yl		PR-UN						
BHUA-04	755.83				hJ		45		wh		PR						
BHUA-04	755.94				hJ		65				PR						
BHUA-04	756.02	756.64			V		85		wh	VN-CT	PR-UN	RF		5			
BHUA-04	756.10	756.12			hJ	x2	15		bk		PR-UN						
BHUA-04	756.53				hJ		20				PR-UN						
BHUA-04	756.62				hJ		35		wh		PR-UN						
BHUA-04	756.66				hJ		45		wh		PR-UN						
BHUA-04	756.78				V		70		wh	VN	PR			4			
BHUA-04	756.88				hJ		35		wh		PR						
BHUA-04	756.89	756.93			hJ	x3	10		bk, yl		PR-UN						
BHUA-04	756.99				hJ		50		wh	VN	PR			2			
BHUA-04	757.06	757.46			hJ	x5	40		pale yl		PR-UN						
BHUA-04	757.25				hJ		30		pale yl		PR-UN						
BHUA-04	757.28	757.32			hJ												
BHUA-04	757.52	757.72			hJ	x3	25		bk pale yl		PR						
BHUA-04	757.74				J		80			CN	PR	RF					
BHUA-04	757.81	757.94			hJ	x3	45		pale yl		PR						

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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
BHUA-04	758.04	758.37			hJ	x2	85		wh, pale yl		PR						
BHUA-04	758.21	758.43			hJ	x3	15		pale yl		PR-UN						
BHUA-04	758.59				V		80		wh, pale yl	VN	PR			5			
BHUA-04	758.79				J		25			SN	PR	RF					
BHUA-04	758.89	758.90			hJ	x2	60		pale yl		PR-UN						
BHUA-04	758.90	758.92			hJ	x2	15		bk		PR						
BHUA-04	758.94				hJ		60		wh		PR-UN						
BHUA-04	759.02	759.09			hJ	x3	30		pale yl		PR						
BHUA-04	759.04	759.38			hJ	x2	35		nk pale yl		PR-UN						
BHUA-04	759.07	759.16			J	x2	30		nk pale yl	SN	PR-UN	RF					
BHUA-04	759.14	759.71			hJ	x6	25		bk pale yl		PR						
BHUA-04	759.70	759.99			V	x5	80		pale yl	VN	CU-PR			5			
BHUA-04	759.74				V		45		pale yl	VN	PR			3			
BHUA-04	759.80	760.03			hJ	x2	45		pale yl		PR						
BHUA-04	760.02	760.04			hJ	x2	50		pale yl		PR-CU						
BHUA-04	760.05	760.60			V	x9	55		pale yl	VN	PR-CU						
BHUA-04	760.08	760.98			hJ	x13	60		pale yl		PR-CU						
BHUA-04	760.20				hJ		45		pale yl		PR						
BHUA-04	760.43				J		5			CN	PR-UN	RF					
BHUA-04	761.04	761.40			hJ	x4	45		pale yl		PR-CU						
BHUA-04	761.55				V		10		pale yl	VN	PR			60			
BHUA-04	761.58				J		10			CN	PR-UN	RF					
BHUA-04	761.70	762.80			hJ	x9	20		wh		PR						
BHUA-04	761.85				J		10			CN	PR	SM					
BHUA-04	761.94				J		45		wh mi	CN	PR	SM					
BHUA-04	762.32				J		5			CN	UN	RF					
BHUA-04	762.36				V		5		pale yl	VN	PR-UN			5			
BHUA-04	762.48	763.00			hJ	x9	20		wh		PR						
BHUA-04	763.20				hJ		10		wh		PR						
BHUA-04	763.25	764.80			hJ	x23	60		pale yl		PR						
BHUA-04	763.47				V		40		wh and pk		IR-UN			5			
BHUA-04	763.50				J		45			CN-VN	PR-UN	SM					
BHUA-04	763.53				V		50		pk wh	VN	PR			30			
BHUA-04	763.60	764.15			hJ	x6	20		wh pale yl								
BHUA-04	763.70	763.88			V	x2	70		pale yl pale gn	VN	PR			5			
BHUA-04	763.90				V		50		pale yl	VN	PR			40			
BHUA-04	764.03				J		80		wh	CN	PR	SM					
BHUA-04	764.10	764.78			hJ	x6	45		pale yl		PR						
BHUA-04	764.14	764.24			V	x2	45		pale yl	VN	PR						
BHUA-04	764.30				hJ	x2	70		wh		PR						
BHUA-04	764.74				J		45			CN	PR	SM					
BHUA-04	764.82	764.97			V	x3	45		pale yl	VN	PR			12			
BHUA-04	765.01	765.30			hJ	x7	45		wh pale yl								
BHUA-04	765.10	765.67			V	x4	80		pk and wh	VN	PR			7			
BHUA-04	765.25	765.69			hJ	x4	60		wh		PR						
BHUA-04	765.37				J		50			CN	PR	RF					
BHUA-04	765.70				V		60		pale yl		PR			5			
BHUA-04	765.72				V		45		pale yl	VN	PR			5			
BHUA-04	765.85				hJ		70		wh		PR						
BHUA-04	765.92				V		60		wh	VN	PR			5			
BHUA-04	766.40				hJ		90		wh		PR						
BHUA-04	767.12	767.45			hJ	x6	45		wh		PR						
BHUA-04	767.80				V		30		wh Qtz vein	VN	PR			30			
BHUA-04	768.25				V		90		wh, gy	VN	PR			5			
BHUA-04	768.45				hJ		60		pale yl		PR						
BHUA-04	768.50	768.58			hJ	x4	20		wh		PR						
BHUA-04	768.52				MB												
BHUA-04	768.65				V		45		wh, bk	VN	PR			15			
BHUA-04	768.80	768.90			hJ	x3	20		wh		PR						
BHUA-04	768.95	769.02			hJ	x3	50		pale yl		PR						
BHUA-04	769.00	769.25			hJ	x8	30		pale yl		PR						
BHUA-04	769.12	770.35			V		90		pk, wh		PR			10			
BHUA-04	769.23				V		5		pale yl		PR						
BHUA-04	769.40				V		10		pale yl		PR			5			
BHUA-04	769.42	769.60			hJ	x4	45		pale yl		PR						
BHUA-04	769.48				V		5		bk	VN	PR						
BHUA-04	769.65				V		10		pale yl	VN	PR			14			
BHUA-04	769.74	770.60			hJ	x3	90		pale yl		PR						
BHUA-04	769.78				V		5		pale yl	VN	PR			5			
BHUA-04	769.88	770.01			hJ		60		pale yl		PR						
BHUA-04	770.10	770.20			hJ	x3	45		pale yl		PR						
BHUA-04	770.31				V		10		pale yl	VN	PR			10			
BHUA-04	770.34	770.40			hJ	x2	10		pale yl		PR			18			
BHUA-04	770.45	771.00			hJ	x11	60		pale yl		PR						
BHUA-04	770.50				V		60		pale yl	VN	PR			5			
BHUA-04	770.90				V		20		wh, pale yl	VN	PR			5			
BHUA-04	771.00	771.64			hJ	x2	80		wh		PR						
BHUA-04	771.05				J		30			CN	PR-IR	RF					
BHUA-04	771.05	771.15			hJ	x20	20		pale yl		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
BHUA-04	771.38				V		50		wh		PR			5			
BHUA-04	771.64				V		30		pale yl		PR			5			
BHUA-04	771.65	772.09			V		90		wh	VN	PR			5			
BHUA-04	772.08	772.24			V	x4	45		wh pale yl gy	VN	PR			20			
BHUA-04	772.12	772.85			V		80		wh		PR			5			
BHUA-04	772.37				V		70		pale yl		PR			5			
BHUA-04	772.40	772.48			hJ	x4	70		pale yl		PR						
BHUA-04	772.40	772.95			hJ	x8	45		pale yl		PR						
BHUA-04	772.68				J		20			CN	PR	RF					
BHUA-04	772.93				V		10		pale yl		PR			5			
BHUA-04	773.12	773.50			V	x4	44		pale yl		PR			50			
BHUA-04	773.31	773.43			hJ		60		pale yl		PR						
BHUA-04	773.38	773.50			hJ	x5	70		pale yl		PR						
BHUA-04	773.55	773.58			hJ	x3	30		pale yl		PR						
BHUA-04	773.65				hJ		70		wh		PR						
BHUA-04	774.20				V		70		wh		PR			5			
BHUA-04	774.40	774.49			hJ	x4	20		pale yl		PR						
BHUA-04	774.41	774.47			hJ	x2	50		pale yl		PR						
BHUA-04	774.52				J		20			CN	PR	SM					
BHUA-04	774.61				V		35		pale yl		PR			12			
BHUA-04	774.74	774.78			hJ	x2	10		pale yl		PR						
BHUA-04	774.75				V		80		wh	VN	PR			5			
BHUA-04	774.85				V		60		pale yl	VN	PR			12			
BHUA-04	774.87	775.00			hJ	x6	70		pale yl		PR						
BHUA-04	775.10				V		60		pale yl	VN	PR			5			
BHUA-04	775.20	777.00			hJ	x22	50		pale yl		PR						
BHUA-04	775.30				V		60		pale yl	VN	PR			10			
BHUA-04	775.80				J		45			CN	PR-UN	RF-SM					
BHUA-04	775.83	776.08			hJ	x3	80		pale yl		PR						
BHUA-04	775.94				V		60		pale yl	VN	PR			20			
BHUA-04	776.01	776.85			hJ	x4	70		pale yl		PR						
BHUA-04	776.40				V		5		pale yl		PR			5			
BHUA-04	776.42				V		42		pale yl	VN	PR			5			
BHUA-04	776.60				J		20			CN	PR	RF-SM					
BHUA-04	776.68	776.84			V	x4	60		pale yl	VN	PR			10			
BHUA-04	777.01				J		50			CN	PR	SM					
BHUA-04	777.14	777.84			hJ	x4	50		pale yl		PR						
BHUA-04	777.27	777.70			hJ		70		pale yl		PR						
BHUA-04	777.31				hJ		50		wh		PR						
BHUA-04	777.46				V		70		wh		PR			5			
BHUA-04	777.66				MB												
BHUA-04	777.70	777.78			hJ	x10	60		pale yl		PR						
BHUA-04	777.87	778.11			hJ	x9	50		wh		PR						
BHUA-04	778.20	778.33			V	x2	60		pale yl		PR			10			
BHUA-04	778.40	778.64			hJ	x6	10		pale yl		PR						
BHUA-04	778.68				hJ		60		pale yl		PR						
BHUA-04	778.72	779.22			V	x4	70		pale yl		PR			5			
BHUA-04	778.90				J		60		Qtz vein	CN	PR	RF					
BHUA-04	779.23				hJ		5		pale yl		PR						
BHUA-04	779.34	779.47			hJ	x6	45		pale yl		PR						
BHUA-04	779.45				J		50			CN	PR	RF					
BHUA-04	779.53	779.88			hJ	x5	20		pale yl		PR						
BHUA-04	779.82				V		80		wh		PR			5			
BHUA-04	780.03	780.61			hJ	x5	30		pale yl		PR						
BHUA-04	780.62				MB												
BHUA-04	780.63	781.00			V		90		pale yl	SN	PR	RF-VR		10			
BHUA-04	781.08	781.20			SZ		45		multiple joints in same direction small intrusion pink	SN	PR	RF-SM					
BHUA-04	781.31				hJ		30		pale yl		PR						
BHUA-04	781.50				hJ		70		bk		PR						
BHUA-04	781.68				V		45		wh		PR			25			
BHUA-04	781.80				V		10		wh		PR			12			
BHUA-04	781.80	782.00			hJ	x7	30		bk pale yl								
BHUA-04	781.95				V		60		wh					7			
BHUA-04	782.06				hJ		70		pale yl		PR						
BHUA-04	782.10				J		5			CN	PR	RF					
BHUA-04	782.18	782.27			V	x4	45		wh, bk	SN	UN			10			
BHUA-04	782.21				J		30			SN	PR	SM					
BHUA-04	782.32	782.64			hJ	x20	45		pale yl		PR						
BHUA-04	782.50	782.75			hJ	x4	60		pale yl		PR						
BHUA-04	782.80				J		30		rd, br	SN	UN-IR	RF					
BHUA-04	782.84				V		45		wh, yl		PR			20			
BHUA-04	782.92	782.95			hJ	x5	60		pale yl		UN-PR						
BHUA-04	783.00	783.60			J		70		pk, wh	SN-CT-VN	PR-UN	RF					
BHUA-04	783.00	783.77			V	x4	80		wh, pk	VN	PR			5			
BHUA-04	783.56				V		30		wh, rd, pk	VN	PR			70			
BHUA-04	783.61	783.76			hJ	x3	20		pale yl		PR						
BHUA-04	783.72	783.75			hJ	x2	60		pale yl	SN	PR						
BHUA-04	784.00	784.75			V		90		pk, wh	VN	PR-UN			5			
BHUA-04	784.02	784.10			hJ	x5	20		pale yl		PR						

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BHUA-04	784.20	784.92			V		50		gn	infilled	PR			5			
BHUA-04	784.30	784.85			hJ	x10	30		wh, pale yl		PR						
BHUA-04	784.90				V		30		pale yl	VN	PR			40			
BHUA-04	785.00	785.15			V		70		pk	VN	PR			5			
BHUA-04	785.00	785.65			hJ	x4	30		pale yl	SN	PR-UN						
BHUA-04	785.10	785.85			hJ	x8	60		pale yl		PR						
BHUA-04	785.25	785.91			J		30		gn, rd	CN-SN	PR	RF-SM					
BHUA-04	786.00	786.22			hJ	x9	45		, gn, wh		PR-UN						
BHUA-04	786.42	786.53			hJ	x6	30		pale yl	SN	PR-UN						
BHUA-04	786.60				hJ		60		pale yl		PR						
BHUA-04	786.74	786.90			hJ	x6	10		pale yl		PR						
BHUA-04	786.92	787.30			hJ	x6	60		pale yl	SN	PR						
BHUA-04	787.20	787.28			J		5				PR	RF-SM					
BHUA-04	787.20	787.57			hJ	x6	80		pale yl		PR						
BHUA-04	787.29	787.53			hJ	x7	30		pale yl		PR						
BHUA-04	787.30	787.64			V	x2	45		gn pale yl	VN	PR-UN			40			
BHUA-04	787.61	787.81			hJ	x8	60		pale yl		PR						
BHUA-04	787.65	787.97			J	x2	20		pale yl	CN	PR	RF-SM					
BHUA-04	787.74				V		60		pale yl	VN	PR			5			
BHUA-04	787.86				hJ		20		bk		PR						
BHUA-04	788.04	788.23			hJ	x6	60		pale yl		PR						
BHUA-04	788.20	788.34			V	x2	50		gn	VN	PR			5			
BHUA-04	788.40				V		45		wh	VN	PR			80			
BHUA-04	788.52	788.87			hJ	x8	45		pale yl		PR						
BHUA-04	788.68				hJ		85		pale yl		PR						
BHUA-04	788.96				V		70		wh, gn	VN	PR			70			
BHUA-04	789.17	789.60			hJ	x10	20		bk pale yl		PR						
BHUA-04	789.43				J		70		wh mi	CN	PR-UN	RF					
BHUA-04	789.56	789.70			V		60		pale yl	VN	UN-PR			5			
BHUA-04	789.61				V		20		bk	VN	PR			5			
BHUA-04	789.75	789.84			hJ	x4	40		wh		PR						
BHUA-04	789.85				V		20		bk	VN	PR			5			
BHUA-04	789.88	790.13			hJ	x16	20		bk		PR						
BHUA-04	790.07				CO		45				PR						
BHUA-04	790.12	790.20			hJ	x2	80		pale yl	infilled	PR						
BHUA-04	790.20	790.28			hJ	x3	30		pale yl	infilled	PR						
BHUA-04	790.35	791.60			V	x32			bk	VN	PR			5			
BHUA-04	790.57				hJ		85		wh		PR						
BHUA-04	791.00				hJ		90		wh		PR						
BHUA-04	791.60				J		30		gn, rd 20mm vein size	VN-SN	PR-UN	RF-SM		20			
BHUA-04	791.66	791.66			J		20			CN	IR	RF					
BHUA-04	791.67	792.35			AZ		45		wh mi gn red alteration deps:90/20/60		PR-IR-UN						
BHUA-04	792.10				V		80		wh	infilled	UN-PR			5			
BHUA-04	792.40	792.65			hJ	x17	45		wh		PR-UN						
BHUA-04	792.50				J		20			CN	UN	RF					
BHUA-04	792.64				V		60		wh	VN-SN	PR-UN			8			
BHUA-04	792.72	793.00			hJ	x9	70		pale yl		PR						
BHUA-04	792.78	792.82			V		60		gn	VN	PR			5			
BHUA-04	792.82				J		20		wh infill	infilled	UN	SM-RF					
BHUA-04	793.00	793.61			hJ		60		wh pale yl		PR			5			
BHUA-04	793.20	794.13			J	x5	20		pale yl	CN	IR-UN	SM-RF					
BHUA-04	793.62	793.89			hJ	x9	30		bk		PR						
BHUA-04	793.80	794.10			hJ	x3	85		gn		UN						
BHUA-04	793.93				V		85		wh	VN	PR-UN			5			
BHUA-04	794.04	795.12			J	x3	10		wh	CN	IR	SM-RF					
BHUA-04	794.17	794.45			hJ	x4	45		pale yl		PR						
BHUA-04	794.29	794.40			hJ	x9	5		pale yl		PR						
BHUA-04	794.55	794.83			V	x3	20		pale yl	VN	PR-UN			5			
BHUA-04	794.62	794.95			hJ	x7	20		pale yl		UN-PR						
BHUA-04	794.81	795.14			hJ	x7	70		bk pale yl		PR						
BHUA-04	795.18	795.67			V	x7	70		pale yl	VN	UN-PR			5			
BHUA-04	795.37	795.63			hJ	x2	30		bk		PR						
BHUA-04	795.47	795.67			hJ	x8			bk		PR						
BHUA-04	795.75	795.96			hJ	x8	30		wh		PR						
BHUA-04	795.79	796.16			hJ	x8	60		pale yl		PR						
BHUA-04	796.04				hJ		60		bk	infilled	UN-PR						
BHUA-04	796.04	796.30			hJ	x2	90		pale yl		PR						
BHUA-04	796.15	796.22			J	x2	10			CN	PR	SM					
BHUA-04	796.23	796.55			V		90		pale yl	VN	PR			5			
BHUA-04	796.23	796.72			hJ	x9	45		pale yl		PR						
BHUA-04	796.47				V		70		pale yl	VN	PR			5			
BHUA-04	796.71	796.84			V	x8	60		pale yl	VN	PR						
BHUA-04	796.79				V		20		wh infill		PR	SM-RF		5			
BHUA-04	796.92	797.25			hJ	x13	45		bk pale yl		PR-UN						
BHUA-04	797.20	797.23			V		85		bk	VN	PR-UN						
BHUA-04	797.20	797.42			J		20			CN	PR	SM-RF		5			
BHUA-04	797.21	797.32			hJ	x2	45		wh		PR						
BHUA-04	797.30	797.48			hJ	x7	10		bk		PR						
BHUA-04	797.48	798.85			hJ	x2	85		bk		UN						

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	797.53				V		20		bk	VN	PR			5			
BHUA-04	797.72	797.92			hJ	x6	60		bk		PR						
BHUA-04	797.95	798.09			hJ	x4	20		bk		PR						
BHUA-04	798.08				J		2			CN	IR	SM-RF					
BHUA-04	798.09	798.41			hJ	x12	30		bk		PR						
BHUA-04	798.43	798.70			V	x9	45		gn pale yl	VN	PR-UN			5			
BHUA-04	798.52				J		20			CN	IR-PR	SM-RF					
BHUA-04	798.70				V		45		wh and gn	VN	UN						
BHUA-04	798.76	798.85			hJ	x3	30		bk		PR			12			
BHUA-04	798.81				J		20			CN	PR	SM					
BHUA-04	798.85	799.27			hJ	x6	20		gn		PR						
BHUA-04	798.99	799.20			hJ	x2	90		gn		PR-UN						
BHUA-04	799.03	799.60			hJ	x5	60		gn pale yl		PR						
BHUA-04	799.06				V		45		wh	VN	PR			5			
BHUA-04	799.21	799.25			V	x3	15		bk	infilled	PR						
BHUA-04	799.38	799.60			hJ		35		pale yl		UN-PR						
BHUA-04	799.66	799.82			hJ	x4	45		bk		PR						
BHUA-04	799.68				J		45			CN	PR	SM-RF					
BHUA-04	799.87				J		5			CN	PR	SM-RF					
BHUA-04	799.88	800.06			hJ	x3	70		gn pale yl		PR						
BHUA-04	800.03	800.42			hJ	x8	30		bk		PR						
BHUA-04	800.30				V		10		wh	VN	PR			8			
BHUA-04	800.45	801.00			V	x8	60		pale yl	VN	PR-UN			5			
BHUA-04	800.55				V		80		pale yl	VN	PR-UN			8			
BHUA-04	800.58	801.22			hJ	x16	20		bk		PR						
BHUA-04	800.63				J		5			CN	IR	SM					
BHUA-04	801.04	801.33			hJ		85		wh		PR-UN						
BHUA-04	801.10	801.60			V		70		rd pale yl		PR			5			
BHUA-04	801.10	801.81			J		60			CN	PR-UN	RF-SM					
BHUA-04	801.24				J		10			CN	ST	SM-RF					
BHUA-04	801.29	801.45			hJ	x10	5		vbk		PR						
BHUA-04	801.37	801.70			V		90		wh mineral red alterated <5mm	VN	PR			5			
BHUA-04	801.44	801.63			hJ	x3	45		gn pale yl		PR-UN	VR					
BHUA-04	801.57				J		30			CN	IR	RF					
BHUA-04	801.70	802.17			hJ	x2	85		wh		PR-UN						
BHUA-04	801.90				hJ		60		wh		PR						
BHUA-04	802.01				V		85		wh	VN	UN-PR			5			
BHUA-04	802.10	802.53			V	x6	45		gn	VN	PR			5			
BHUA-04	802.22	802.65			V	x3	70		wh	VN	PR			5			
BHUA-04	802.26				J		60		gn	VN	PR-UN	RF					
BHUA-04	802.45	802.90			hJ	x8	30		bk	infilled	PR						
BHUA-04	802.53				V		70		wh	VN	ST			5			
BHUA-04	802.67	802.84			hJ	x6	45		gn		PR						
BHUA-04	802.78				V		80		wh rd altered	VN-SN	UN			5			
BHUA-04	803.10	803.40			hJ	x10	30		gn bk		PR						
BHUA-04	803.26				J		10			CN	PR	RF-SM					
BHUA-04	803.40	804.45			J	x3	80		rd stained	CN-SN	PR-UN	SM-RF					
BHUA-04	803.57	804.06			hJ	x11	30		gn / bk		PR						
BHUA-04	803.80				hJ		45		bk		PR						
BHUA-04	804.14				hJ		50		bk		PR						
BHUA-04	804.27	804.56			hJ		45		gn bk		PR						
BHUA-04	804.62				MB						IR						
BHUA-04	804.70	805.00			hJ	x12	30		pale yl		UN-PR						
BHUA-04	804.78				hJ		80		wh		UN						
BHUA-04	805.05	805.63			hJ	x11	45		pale yl		UN						
BHUA-04	805.10	805.35			hJ	x2	70		pale yl		PR-UN						
BHUA-04	805.32				J		20			CN	PR	SM					
BHUA-04	805.48				J		60		yl stained	SN	PR-CU						
BHUA-04	805.68	805.95			hJ	x12	20		bk		PR						
BHUA-04	805.96				J		30		clay infill	SN	PR-UN	RF-SM					
BHUA-04	806.00	806.32			hJ	x15	60		wh, yl, gn	VN	PR			5			
BHUA-04	806.39	807.15			V	x22	45		pale yl	VN	PR			5			
BHUA-04	807.04	807.38			V		85		pale yl		PR-UN			6			
BHUA-04	807.17	807.40			J	x2	10			CN	PR-UN	RF					
BHUA-04	807.45				V		30		pale yl		UN	VR		5			
BHUA-04	807.46	807.66			hJ	x2	30		pale yl		PR						
BHUA-04	807.50	807.67			hJ	x2	60		bk		PR-UN						
BHUA-04	807.76	808.30			hJ	x17	45		pale yl		PR-UN						
BHUA-04	807.84	808.10			V	x2	30		pale yl		UN-PR			5			
BHUA-04	808.32				hJ		10			CN	IR-ST						
BHUA-04	808.33	808.65			V				pale yl	VN	PR-UN			5			
BHUA-04	808.35	808.78			hJ	x10	60		pale yl		PR-UN						
BHUA-04	808.65				V		20		wh	VN	PR			5			
BHUA-04	808.74	808.94			hJ	x9	30		pale yl		PR-UN						
BHUA-04	809.00	809.34			hJ	x16	38		bk pale yl		PR						
BHUA-04	809.20				hJ		85		bk		PR						
BHUA-04	809.46				V		5		wh		PR-UN			5			
BHUA-04	809.49				V		70		pale yl	VN	PR			5			
BHUA-04	809.49	809.56			hJ	x5	5		bk		PR						

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	809.60				V		80		pale yl	VN	PR			5			
BHUA-04	809.62	809.92			V	x4	5		pale yl	VN	PR						
BHUA-04	809.92	809.95			V		45		pale yl	VN	PR			5			
BHUA-04	809.95				V		45		wh	VN	PR			5			
BHUA-04	810.03				J		5			CN	PR	SM-RF					
BHUA-04	810.04	810.33			V	x7	50		yl	VN	PR			5			
BHUA-04	810.09	810.58			hJ	x4	60		yl	SN	PR						
BHUA-04	810.10	810.53			V	x2	90		wh	VN	UN			5			
BHUA-04	810.51	810.57			hJ	x4			bk		PR						
BHUA-04	810.56	810.65			hJ	x2	45		pale yl		PR						
BHUA-04	810.60				J		30			CN	PR	RF					
BHUA-04	810.71				V		60		wh	VN	UN			5			
BHUA-04	810.76	810.84			hJ	x2	5		wh		PR						
BHUA-04	810.82	810.97			J	x2	20			CN	IR-ST	RF					
BHUA-04	810.85	810.93			hJ	x2	45		wh		PR						
BHUA-04	810.95				J		45			CN	IR	RF					
BHUA-04	811.00	811.16			hJ	x2	90		'wh		PR-UN						
BHUA-04	811.07				V		5		wh gn	VN	PR	SM-RF					
BHUA-04	811.10	811.14			hJ	x2	10		pale yl		UN						
BHUA-04	811.15				J		30			CN	UN	RF					
BHUA-04	811.20				CO		30										
BHUA-04	811.22	811.55			J	x3	30		gn and br mi	VN	PR	RF-SM					
BHUA-04	811.57	811.67			hJ	x3	30		gn pale yl		PR						
BHUA-04	811.82				J		80		gn mi	VN	UN-IR	RF					
BHUA-04	811.94				J		30			CN	PR-IR	RF-VR					
BHUA-04	812.00	812.92			V	x20	70		wh	VN	UN	RF-SM		5			
BHUA-04	812.30				J		30		yl mi	SN	PR-UN	SM-RF					
BHUA-04	812.94				J		38		bk yl mi	SN	PR	RF-SM					
BHUA-04	813.00				hJ		42		bk		PR						
BHUA-04	813.06	813.55			hJ	x5	60		wh, bk		PR						
BHUA-04	813.20	813.66			hJ	x6	20		bk		PR						
BHUA-04	813.55				J		45		wh mi	CN	UN	RF					
BHUA-04	813.70	813.92			J	x2	45			CN	PR	SM					
BHUA-04	813.76	813.96			hJ	x6	30		bk, wh		PR-UN						
BHUA-04	813.92				J		5		rd mi	CN-SN	PR	SM					
BHUA-04	814.00				V		70		wh	VN	UN						
BHUA-04	814.08	814.86			V	x27	30		wh, gn bk	VN	PR			5			
BHUA-04	815.02				J		20			CN	PR	RF-SM					
BHUA-04	815.02	815.58			hJ		20		bk		PR			5			
BHUA-04	815.05				V		60		wh	VN	PR-UN			5			
BHUA-04	815.38				J		10			CN	UN	SM-RF					
BHUA-04	815.41	815.49			V	x2	20		wh yl	VN	PR						
BHUA-04	815.61				J		10			CN	UN-IR	SM					
BHUA-04	815.63				hJ		80		wh		UN						
BHUA-04	815.73	816.00			hJ	x8	20		yl		PR-UN						
BHUA-04	815.74	816.67			V	x9	40		bk, wh	VN	UN-PR			8			
BHUA-04	815.91	816.07			J	x6	30			CN	PR-UN	RF					
BHUA-04	816.08	816.72			hJ	x25	30		bk		PR-UN						
BHUA-04	816.83				J		45		br mi	CN	PR	RF-SM					
BHUA-04	816.90	817.00			hJ	x3	45		bk		PR						
BHUA-04	817.00	817.53			hJ	x15	20		bk		PR-UN						
BHUA-04	817.00	818.33			hJ	x7	45		wh		PR-UN						
BHUA-04	817.03	817.92			V	x13	30		wh	VN	PR			5			
BHUA-04	817.08				J		20			CN	PR-IR-ST	RF-SM					
BHUA-04	817.17				V		2		bk	VN	UN			5			
BHUA-04	817.60	817.80			J	x4	30		wh mi	VN	PR-UN	RF					
BHUA-04	817.75	817.95			hJ	x6	20		bk		PR-UN						
BHUA-04	818.02	818.33			hJ	x13	20		bk		PR						
BHUA-04	818.30	818.86			hJ	x15	70		wh		PR-UN						
BHUA-04	818.37	818.49			hJ	x7	5		bk		PR-UN						
BHUA-04	818.53				V		30		wh gn	VN	PR	RF-SM					
BHUA-04	818.56				V		30		wh	VN	UN			5			
BHUA-04	818.93				J		20			CN	IR	RF					
BHUA-04	819.04	819.68			V	x4	30		bk gn rd mi	SN-VN	PR			5			
BHUA-04	819.05	819.65			J	x4	30		gn mi	CN	PR-UN	SM-RF					
BHUA-04	819.07	819.45			hJ	x16	45		wh		PR-UN						
BHUA-04	819.25	819.70			hJ	x9	20		bk		PR-UN						
BHUA-04	819.80	820.08			hJ	x5	10		wh bk		PR						
BHUA-04	819.82				hJ	x3	80		wh		UN						
BHUA-04	819.86				V		80		bk yl	VN	PR-UN			5			
BHUA-04	819.94				V		90		wh	VN	UN-PR			5			
BHUA-04	820.07	820.77			hJ	x16	45		bk		PR-UN						
BHUA-04	820.16				J		20		wh mi	CN	PR-UN-CU	RF					
BHUA-04	820.44				J		10			CN	UN	SM					
BHUA-04	820.57	820.84			hJ	x3	90		wh		PR-ST						
BHUA-04	820.81	821.40			hJ	x5	60		yl bk		PR-UN						
BHUA-04	821.03	821.90			hJ	x20	45		wh		PR-UN						
BHUA-04	821.09				J		45			CN	PR	RF					
BHUA-04	821.44				J		20			CN	PR	RF					

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	821.75				V		30		wh yl	VN	PR-UN			15			
BHUA-04	821.82	821.90			J	x3	20			CN	PR	RF					
BHUA-04	822.00	822.30			hJ	x3	45		wh		PR-UN-CU						
BHUA-04	822.05				V		60		yl	VN	PR			10			
BHUA-04	822.08	822.60			hJ	x15	30		wh		PR-UN						
BHUA-04	822.22	822.72			hJ	x5	70		wh		PR-UN						
BHUA-04	822.33	822.65			J	x3	30			CN	PR-ST-IR	RF					
BHUA-04	822.45				V		70		wh	VN	CU-PR			6			
BHUA-04	822.50	822.70			hJ	x3	90		wh		UN						
BHUA-04	822.63				V		60		wh gn	VN	PR-UN			5			
BHUA-04	822.66	822.90			V		85		gn wh	VN	UN			5			
BHUA-04	822.75	823.08			V	x2	90		wh		UN						
BHUA-04	822.86	823.73			hJ	x33	30		gn bk		UN						
BHUA-04	822.88				J		30			CN	PR-UN	RF-SM					
BHUA-04	823.00	823.65			hJ	x5	60		wh pale yl		PR-UN						
BHUA-04	823.08	823.28			J	x2	20			CN	PR-UN	RF-SM					
BHUA-04	823.63	823.84			J	x3	20			CN	PR-UN	RF					
BHUA-04	823.73	823.86			hJ	x6	45		wh		PR-UN						
BHUA-04	823.83	825.45			V	x9	60		wh	VN	PR-UN			5			
BHUA-04	823.95	824.21			hJ	x12	10		bk		PR-UN						
BHUA-04	824.03				J		30			CN	PR-UN	RF					
BHUA-04	824.45				J		20			CN	UN	RF					
BHUA-04	824.45	824.94			hJ	x15	30		bk		PR						
BHUA-04	824.56	824.70			J		60		wh	CN-VN	PR	SM-RF					
BHUA-04	824.65	825.00			hJ	x6	60		wh		PR-UN						
BHUA-04	824.75				J		30			CN	PR	RF					
BHUA-04	825.00	825.65			hJ	x18	30		bk		PR-UN						
BHUA-04	825.00	826.00			hJ	x9	45		wh bk		PR-UN						
BHUA-04	825.13	825.63			J	x3	30			CN	PR	SM-RF					
BHUA-04	825.15	825.62			hJ	x4	60		wh		PR-UN						
BHUA-04	825.25	825.36			V	x2	30		bk	VN	PR-UN			5			
BHUA-04	825.37				V		70		bk yl	VN	PR			5			
BHUA-04	825.62				V		30		yl gn	VN	UN			8			
BHUA-04	825.63	825.73			hJ	x3	30		bk		PR-UN						
BHUA-04	826.00				J		30			CN	PR	SM					
BHUA-04	826.00	826.57			V	x10	30		tl wh	VN	PR-UN			5			
BHUA-04	826.10				J		20			CN	IR	RF					
BHUA-04	826.12	826.60			hJ	x4	70		wh		PR						
BHUA-04	826.17	826.46			hJ	x9	10		bk		PR-UN						
BHUA-04	826.20	826.50			V	x2	90		yl		UN			5			
BHUA-04	826.47				J		20			CN	PR	SM					
BHUA-04	826.47	826.73			V	x3	60		yl gn	VN	PR-UN			5			
BHUA-04	826.68	826.96			hJ	x6	30		bk gn		PR-UN						
BHUA-04	826.90				J		30			CN	PR-UN	RF-SM					
BHUA-04	827.00	827.06			J		30			CN	UN-IR	RF					
BHUA-04	827.00	827.48			hJ	x5	40		yl gn		UN						
BHUA-04	827.00	827.50			hJ	x5	80		yl		UN						
BHUA-04	827.05	828.70			hJ	x50	30		yl rd wh bk		PR-UN						
BHUA-04	827.56	828.35			J	x5	30		rd mi	VN	IR	RF					
BHUA-04	828.00	828.70			hJ	x18	80		wh		PR						
BHUA-04	828.27	828.57			V		45		wh rd	VN	PR			5			
BHUA-04	828.52				J		30			CN	PR-UN	RF-SM					
BHUA-04	828.54				J		60			CN	PR-UN	RF					
BHUA-04	828.70	828.95			hJ	x8	60		wh		PR						
BHUA-04	828.84	829.48			J	x7	30		rd mi	CT	IR-UN	RF-SM					
BHUA-04	828.89				hJ		10		rd stained	SN	PR						
BHUA-04	829.06	830.00			hJ	x16	30		wh, yl		PR						
BHUA-04	829.10	830.10			hJ	x5	70		wh gn		PR-UN						
BHUA-04	829.18	829.87			hJ	x5	85		wh		UN-PR						
BHUA-04	829.19	829.33			V	x2	30		wh yl	VN	PR-UN			5			
BHUA-04	829.38	829.80			J	x4	10		dark gy	CT	IR-ST	SL-SM					
BHUA-04	829.84	829.90			V	x2	5		yl bk	VN	PR			5			
BHUA-04	829.90	830.73			hJ	x17	30		wh	VN	PR						
BHUA-04	830.00				J		20			CN	UN	SM					
BHUA-04	830.20	830.67			hJ	x8	60		yl bk		PR						
BHUA-04	830.25	830.57			hJ	x3	90		wh		PR-UN						
BHUA-04	830.78				J		10			CN	IR-UN	RF					
BHUA-04	830.87	831.00			hJ	x4	60		wh		PR-UN						
BHUA-04	830.88				J		5			CN	UN-PR	SM					
BHUA-04	830.93				V		20		yl gn	VN	UN			15			
BHUA-04	831.10	831.63			hJ	x13	20		bk wh		PR-UN						
BHUA-04	831.13	831.22			hJ	x2	60		wh		PR						
BHUA-04	831.37				J		45			CN	PR-UN	RF					
BHUA-04	831.52	831.67			V	x2	45		wh	VN	PR-UN			5			
BHUA-04	831.72	831.96			hJ	x12	30		wh bk gn		PR-UN						
BHUA-04	831.74				V		10		wh gn	VN	PR						
BHUA-04	831.96	832.04			J		45			CN	UN-IR	RF-SM					
BHUA-04	831.97	832.95			J		20			CN	PR	SM-RF					
BHUA-04	832.00	832.35			J	x4	55			CN	PR-UN-IR	RF-SM					

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	832.08	832.20			hJ	x2	10		bk		PR						
BHUA-04	832.10	832.19			hJ	x2	60		wh		PR						
BHUA-04	832.35				J		5			CN	PR-IR	RF-SM					
BHUA-04	832.35	832.64			hJ	x15	30		wh bk		UN						
BHUA-04	832.50	833.58			hJ	x4	30		bk		UN						
BHUA-04	832.59				J		10			CN	PR-UN	RF					
BHUA-04	832.62	832.85			hJ	x4	60		gn bk		PR-UN						
BHUA-04	832.70				V		60		wh	VN	PR-UN			5			
BHUA-04	832.73				V		10		bk	VN	PR			10			
BHUA-04	832.79	832.94			hJ	x7	10		bk		UN-PR						
BHUA-04	832.89				J		60			CN	UN	RF					
BHUA-04	833.07	833.48			hJ	x6	20		gn wh		UN-PR						
BHUA-04	833.08				J		60		gn mi	VN	UN	RF-SM					
BHUA-04	833.10	833.50			hJ	x2	90		bk		PR-UN						
BHUA-04	833.20				V		30		wh rd	VN	UN			5			
BHUA-04	833.26				V		20		bk	VN	PR-UN			5			
BHUA-04	833.40				hJ		45		gn		PR						
BHUA-04	833.60				J		45			CN	PR	RF-SM					
BHUA-04	833.64	833.93			hJ	x11	45		gn wh		PR-UN						
BHUA-04	833.70	834.07			hJ	x6	20		bk		PR						
BHUA-04	834.06				J		20		Qtz mi	CN-VN	PR	RF					
BHUA-04	834.10	834.25			hJ	x2	85		bk		UN						
BHUA-04	834.12				hJ		60		bk		PR						
BHUA-04	834.25				V		20		gn	VN	UN			5			
BHUA-04	834.41				J		5			CN	IR	RF-VR					
BHUA-04	834.42	834.61			hJ	x3	20		yl		PR-UN						
BHUA-04	834.44				hJ		90		yl		UN						
BHUA-04	834.56	834.65			hJ	x4	45		wh		PR						
BHUA-04	834.82				J		20			CN	UN	RF					
BHUA-04	834.82	834.94			hJ	x5	20		wh		PR-UN						
BHUA-04	834.90	835.10			hJ	x2	90		wh		PR-IR-UN						
BHUA-04	835.09				J		60			CN	UN-IR	RF					
BHUA-04	835.12				J		30			CN	UN	RF					
BHUA-04	835.12	835.21			V	x5	30		yl	VN	PR-UN-ST						
BHUA-04	835.13				hJ		90		wh		UN						
BHUA-04	835.20	835.54			hJ	x9	45		wh		PR-UN						
BHUA-04	835.40				J		20			CN	PR-IR	RF					
BHUA-04	835.45	835.70			hJ	x3	90		yl		UN						
BHUA-04	835.54				J		30			CN	IR	RF					
BHUA-04	835.56				V		70		wh	VN	PR			5			
BHUA-04	835.56	835.94			hJ	x14	45		gn wh		PR-UN						
BHUA-04	836.00	836.15			hJ	x5	45		wh		PR-UN						
BHUA-04	836.25	836.60			hJ	x4	70		wh		UN						
BHUA-04	836.40				J		60			CN	ST	RF					
BHUA-04	836.42	836.55			hJ	x3	60		yl		PR-UN						
BHUA-04	836.50	836.80			V		10		oriented minerals white bk, yl gn	VN	UN						
BHUA-04	836.72				J		10			CN	IR	RF					
BHUA-04	836.90				J		10			CN	ST-IR	RF-SM					
BHUA-04	837.00	837.20			hJ	x6	30		yl gn		PR-UN						
BHUA-04	837.21	837.22			V		45		wh	VN	UN			5			
BHUA-04	837.22				J		45			CN	IR-PR	RF					
BHUA-04	837.25				J		45			CN	ST-IR	RF					
BHUA-04	837.40	837.93			hJ	x6	45		yl		PR-UN						
BHUA-04	837.73	838.00			hJ	x7	60		yl		PR						
BHUA-04	837.87	838.87			J		10			CN	IR-UN	RF-SM					
BHUA-04	837.95				J		5			CN	IR-UN	SM					
BHUA-04	838.10	838.53			J	x4	30			CN	PR-IR	RF					
BHUA-04	838.13	838.84			hJ	x14	30		wh yl		PR-UN						
BHUA-04	838.30	838.75			hJ	x7	60		wh bk		PR-UN						
BHUA-04	838.40				hJ		80		wh		UN						
BHUA-04	838.47				V		20		wh gn	VN	PR-UN			5			
BHUA-04	838.56				J		10			CN	IR	RF					
BHUA-04	838.77				J		5			CN	PR	RF					
BHUA-04	838.87				J		30			CN	PR	RF					
BHUA-04	839.00				J		10			CN	PR-UN	SM					
BHUA-04	839.08	839.46			hJ	x2	30		bk		PR-UN						
BHUA-04	839.22				V		60		yl gn	VN	PR			5			
BHUA-04	839.56	839.56			J	x2	5			CN	PR	RF					
BHUA-04	839.67	839.90			V	x3	80		wh gn rd oxide	VN	UN			5			
BHUA-04	839.83	839.97			hJ	x5	45		bk		PR						
BHUA-04	839.92				J		80			CN	PR-UN	SM					
BHUA-04	840.00	840.10			V	x3	70		wh	VN	PR-CU-UN			5			
BHUA-04	840.08				J		45			CN	IR-PR	RF					
BHUA-04	840.12	844.10			V		85		wh	VN	UN			5			
BHUA-04	840.15	840.34			hJ	x4	20		wh gn		PR-UN						
BHUA-04	840.42	840.67			hJ		60		yl		PR-UN						
BHUA-04	840.50				J		10			CN	IR	RF					
BHUA-04	840.70	840.85			V	x2	60		wh	VN	UN			5			
BHUA-04	840.71				J		45			CN	ST-IR	RF					

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	840.80				hJ		90		wh		PR						
BHUA-04	840.82	840.94			hJ	x2	45		wh gy		PR						
BHUA-04	841.04	841.20			V	x3	60		bk	VN	UN			7			
BHUA-04	841.07	841.27			hJ	x2	20		wh		PR-UN						
BHUA-04	841.19	841.47			hJ	x12	20		bk		PR-UN						
BHUA-04	841.22				J		20			CN	ST-IR	RF-SM					
BHUA-04	841.44				V		45		bk	VN	PR			12			
BHUA-04	841.48				J		30			CN	IR-ST	RF					
BHUA-04	841.52				J		20			CN	IR-ST	RF					
BHUA-04	841.54				J		45			CN	UN-CU	RF					
BHUA-04	841.56	841.97			V	x7	60		gn bk	VN	PR-UN			10			
BHUA-04	841.67	842.00			hJ		70		wh		UN-PR						
BHUA-04	842.00	842.10			hJ	x5	10		yl gn	VN	UN-PR			5			
BHUA-04	842.03	842.77			hJ	x16	45		bk		PR-UN						
BHUA-04	842.10	842.67			hJ	x7	10		bk		UN						
BHUA-04	842.16	842.48			hJ	x5	85		gn		PR-UN						
BHUA-04	842.39				V		20		gn yl pyrite	VN	UN						
BHUA-04	842.48				J		20			CN	IR	RF					
BHUA-04	842.74				J		20			CN	PR	RF					
BHUA-04	842.75	843.00			hJ	x5	45		yl, bk		PR-UN						
BHUA-04	842.83				V		45		wh	infilled	UN			5			
BHUA-04	842.84				V		85		wh	VN	UN			5			
BHUA-04	842.98	843.58			hJ	x20	10		bk		PR						
BHUA-04	843.00	843.70			hJ	x3	45		bk		PR						
BHUA-04	843.14				J		15			CN	IR	RF					
BHUA-04	843.22	843.55			J		10			CN	IR	RF					
BHUA-04	843.74	844.17			hJ	x7	60		pale yl		PR-UN						
BHUA-04	843.90	845.00			hJ	x13	20		bk		PR						
BHUA-04	844.10	844.60			hJ	x3	70		bk wh		PR-UN						
BHUA-04	844.31				J		30			CN	IR-PR	RF					
BHUA-04	844.60	845.00			hJ	x4	45		bk		PR-UN						
BHUA-04	844.75				V		45		wh ,yl	infilled	PR			5			
BHUA-04	844.82	845.00			V	x2	90		bk		UN			5			
BHUA-04	845.00	845.40			hJ	x4	45		bk yl		PR-UN						
BHUA-04	845.15	845.95			hJ	x2	90		bk		PR-UN						
BHUA-04	845.15	846.70			hJ	x23	20		bk yl		PR-UN						
BHUA-04	845.20	845.97			hJ	x4	70		bk		PR-UN						
BHUA-04	846.20	846.40			V	x3	45		bk yl	VN	PR-UN			5			
BHUA-04	846.27	846.70			hJ	x6	45		gn		PR-UN						
BHUA-04	846.34				J		30			CN	ST-IR	RF					
BHUA-04	846.46	846.70			hJ	x2	85		bk		PR-UN						
BHUA-04	846.70				hJ		90		bk		UN						
BHUA-04	846.71	847.00			hJ	x7	20		bk		PR-UN						
BHUA-04	846.83				hJ		70		bk		PR						
BHUA-04	847.00				J		70			CN	UN	RF					
BHUA-04	847.30				J		30		gn	VN	PR	SM-RF		8			
BHUA-04	847.40	847.57			hJ	x13	45		bk		PR						
BHUA-04	847.60				J		20			CN	PR-IR	RF					
BHUA-04	847.68	848.08			hJ	x8	45		yl		PR-UN						
BHUA-04	847.80				V		30		wh gn	VN	UN-PR			7			
BHUA-04	848.10				J		30			CN	IR	RF					
BHUA-04	848.13				J		13			CN	IR	RF					
BHUA-04	848.15				V		60		wh gn	VN	PR			5			
BHUA-04	848.15	848.60			hJ	x17	20		bk	infilled	PR-UN						
BHUA-04	848.20	848.35			hJ	x2	70		bk gn		PR-UN						
BHUA-04	848.37				V		30		wh yl	VN	PR			5			
BHUA-04	848.62	848.75			V	x2	60		bk	VN	PR-UN			5			
BHUA-04	848.75	849.00			hJ	x9	35		bk yl		PR-UN						
BHUA-04	848.87				V		80		wh	VN	PR-UN			5			
BHUA-04	849.00				hJ		45		yl	infilled	PR						
BHUA-04	849.05	849.38			hJ	x6	30		bk		PR-UN						
BHUA-04	849.18				V		80		yl gn	VN	PR-UN			5			
BHUA-04	849.30				V		30		yk wh	VN	PR-UN			5			
BHUA-04	849.37	849.50			V	x3	45		yl	VN	UN			5			
BHUA-04	849.42				J		10			CN	ST-IR	RF					
BHUA-04	849.43				V		60		yl		PR			5			
BHUA-04	849.60				V		30		yl	VN	PR-UN			7			
BHUA-04	849.61				V		60		bk yl	VN	PR-UN			5			
BHUA-04	849.69	849.84			hJ	x5	45		yl		PR-UN						
BHUA-04	849.88				V		30		wh bk gn yl pyrite	VN	PR-UN			15			
BHUA-04	849.94	850.00			hJ	x6	45		bk yl		PR-UN						
BHUA-04	850.21	850.28			hJ	x2	70		yl		PR						
BHUA-04	850.27				V		30		yl	VN	PR-UN			8			
BHUA-04	850.40	850.84			hJ	x3	90		gn		UN						
BHUA-04	850.65				V		45		yl bk	VN	PR			5			
BHUA-04	850.72				V		30		wh yl gn	VN	PR-UN			10			
BHUA-04	850.75				J		30			CN	UN	RF					
BHUA-04	850.80	851.16			hJ	x3	20		bk		PR-UN						
BHUA-04	851.09				J		5			CN	IR	RF					

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	851.10	851.90			hJ	x10	45		gn bk		PR						
BHUA-04	851.50				J		45			CN	ST-IR	RF-VR					
BHUA-04	851.56				J		30			CN	IR-PR	RF					
BHUA-04	851.60	851.70			V	x3	45		bk yl		PR-UN			5			
BHUA-04	851.90				hJ		90		wh		PR						
BHUA-04	852.00	852.70			J	x2	30			CN	PR	RF					
BHUA-04	852.00	854.70			hJ	x9	45		bk gn		PR-UN						
BHUA-04	852.02	856.90			hJ	x4	45		bk		PR-UN						
BHUA-04	852.16				V		45		wh yl	VN	PR			8			
BHUA-04	852.57	852.67			hJ	x2	80		bk		UN						
BHUA-04	852.82	852.95			hJ	x4	30		bk	infilled	PR						
BHUA-04	853.06	853.10			hJ	x9	70		bk		PR-UN						
BHUA-04	853.18	853.92			hJ	x7	30		bk		PR-UN						
BHUA-04	853.95				V		45		yl bk	VN	PR-UN			5			
BHUA-04	853.97				J		45			CN	IR-ST	RF					
BHUA-04	854.00	854.70			hJ	x7	70		gn		PR						
BHUA-04	854.10				hJ		90		gn		UN						
BHUA-04	854.40	854.86			hJ	x6	70		bk		UN						
BHUA-04	854.70				V		60		bk	VN	PR-UN			15			
BHUA-04	855.00	855.30			hJ	x4	60		gn bk		PR						
BHUA-04	855.08	855.51			V		80		Micro fault gn wh yl pyrite	infilled	ST			10			
BHUA-04	855.18	855.32			hJ	x6	20		yl	infilled	PR						
BHUA-04	855.37				J		20			CN	IR-ST	RF					
BHUA-04	855.41	855.76			hJ	x4	20		bk		PR						
BHUA-04	855.67				V		45		gn	VN	PR			10			
BHUA-04	855.70				hJ		30		wh		PR						
BHUA-04	855.73	855.89			V	x5	30		gn wh	VN	PR			6			
BHUA-04	855.74				V		70		wh gn	VN	PR-CU-UN			8			
BHUA-04	855.90				J				clay infill/ wh gn vein	VN	PR	SM		8			
BHUA-04	855.94	856.45			hJ	x5	20		yl bk		PR-UN						
BHUA-04	856.05	856.36			hJ	x3	85		wh bk		PR-UN						
BHUA-04	856.41				J		20			CN	IR-ST	RF					
BHUA-04	856.73				hJ		60		gn		PR						
BHUA-04	856.77	857.13			hJ	x11	45		bk yl		PR-UN						
BHUA-04	857.05	857.67			hJ	x5	85		bk		PR-UN						
BHUA-04	857.11	858.60			J	x5	5			CN	IR	RF					
BHUA-04	857.13	857.52			hJ	x6	10		bk		UN						
BHUA-04	857.60	857.81			V	x2	45		bk	VN	PR			5			
BHUA-04	858.00	858.20			hJ	x5	45		bk		PR-UN						
BHUA-04	858.03	878.60			V	x4	30		wh yl		PR-UN			5			
BHUA-04	858.16	858.54			hJ	x4	70		bk		PR-UN						
BHUA-04	858.26	858.72			hJ	x15	10		bk		PR-UN						
BHUA-04	858.63				hJ		45		bk		PR						
BHUA-04	858.75	858.95			hJ	x2	45		bk		PR						
BHUA-04	858.75	859.17			hJ	x2	80		bk		PR-UN						
BHUA-04	859.10	859.93			V	x16	70		wh	VN	PR-UN			5			
BHUA-04	859.14	859.88			hJ	x15	30		bk gn		PR						
BHUA-04	859.32	859.47			V	x3	30		gn gy	VN	PR-UN			5			
BHUA-04	859.36	859.45			J	x2	20			CN	IR-ST	RF					
BHUA-04	859.48	859.85			hJ	x6	60		gn		UN						
BHUA-04	859.60	859.91			hJ	x3	80		wh		PR-UN						
BHUA-04	859.70				J		10			CN	ST-IR	RF					
BHUA-04	859.90				hJ		60		wh		PR						
BHUA-04	860.02	860.50			hJ	x6	30		wh		PR						
BHUA-04	860.05				J		30			CN	ST-PR	RF-SM					
BHUA-04	860.20				hJ		60		wh		PR						
BHUA-04	860.39	860.60			hJ	x3	90		wh		UN						
BHUA-04	860.43				J		20			CN	PR	RF					
BHUA-04	860.50				V		70		gy gn	VN	UN			5			
BHUA-04	860.61	861.00			hJ	x11	35		gn		PR-UN						
BHUA-04	861.03	861.68			V	x7	60		gn		PR-UN						
BHUA-04	861.10				hJ		90		bk		PR						
BHUA-04	861.10	861.44			J	x3	50			CN	ST-IR-PR	RF-SM					
BHUA-04	861.25	861.66			hJ	x12	20		bk		PR-UN						
BHUA-04	861.48				J		80			CN	IR	RF					
BHUA-04	861.52				J		20			CN	PR	RF-VR					
BHUA-04	861.80	862.50			hJ	x4	45		bk		PR						
BHUA-04	861.84	862.41			hJ	x16	20		bk		PR-UN						
BHUA-04	862.18				V		30		bk yl	VN	PR			8			
BHUA-04	862.35				V		30		clay infill bk	VN	PR-IR	SM		13			
BHUA-04	862.47				hJ		90		gn		PR						
BHUA-04	862.84	862.90			hJ	x2	30		bk		PR						
BHUA-04	863.14	863.24			V	x3	45		yl gn	VN	UN			5			
BHUA-04	863.20	864.47			hJ	x12	30		bk yl		PR						
BHUA-04	863.98				V		45		yl bk	VN	PR			10			
BHUA-04	864.20	864.43			V	x3	70		yl	VN	UN			7			
BHUA-04	864.40				J		70			CN	UN-IR	RF					
BHUA-04	864.56				hJ		70		bk		PR						
BHUA-04	864.61				hJ		45		bk		PR						

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	864.65	864.80			hJ	x2	30		bk		PR						
BHUA-04	864.80				hJ		90		wh		PR						
BHUA-04	865.00				hJ		30		bk		PR						
BHUA-04	865.12	865.30			hJ	x2	60		yl		PR						
BHUA-04	865.23	865.56			hJ	x2	90		wh		PR						
BHUA-04	865.37				J		80			CN	PR	RF					
BHUA-04	865.47	865.59			V	x7	45		yl gn	VN	PR-UN			5			
BHUA-04	865.53				hJ		45		gn		PR						
BHUA-04	865.70	865.97			V	x4	45		yl	VN	PR			5			
BHUA-04	865.75				V		45		wh yl gn	VN	PR	RF		30			
BHUA-04	865.80	866.10			hJ	x7	45		bk		PR						
BHUA-04	865.85	866.14			hJ	x3	70		yl bk		PR-UN						
BHUA-04	865.88				V		30		wh	VN	PR			5			
BHUA-04	866.15				hJ		90		yl		UN-ST						
BHUA-04	866.30				CO		70		gn wh infill	SN	PR	SM		5			
BHUA-04	866.36				J		5			CN	IR	RF					
BHUA-04	866.40				hJ		80		gn	SN	PR						
BHUA-04	866.45	866.63			hJ	x5	60		yl		PR						
BHUA-04	866.50	866.95			hJ	x4	60		bk		PR						
BHUA-04	866.56	867.16			hJ	x4	90		yl		UN						
BHUA-04	867.10				J		60			CN	PR	RF					
BHUA-04	867.15	867.30			hJ	x5	30		yl		UN						
BHUA-04	867.18	867.35			hJ	x3	90		yl		PR						
BHUA-04	867.28				V		90		yl	VN	UN			5			
BHUA-04	867.30				J		45			CN	IR	RF-SM					
BHUA-04	867.36				V		45		yl gn wh	VN	PR			8			
BHUA-04	867.45	867.74			hJ	x3	45		bk		PR						
BHUA-04	867.55				hJ		10		gn		PR						
BHUA-04	867.68	868.00			hJ	x10	20		bk		PR						
BHUA-04	867.73				hJ		70		bk		UN-PR						
BHUA-04	867.75	868.14			hJ	x2	85		yl		PR						
BHUA-04	867.82				J		5			CN	PR	RF					
BHUA-04	867.92				V		30		yl	VN	PR-UN			5			
BHUA-04	868.12				V		70		yl		PR			5			
BHUA-04	868.35				J		10			CN	PR-UN	RF					
BHUA-04	868.48	868.80			hJ	x2	85		yl		PR-UN						
BHUA-04	868.52	868.75			hJ	x4	45		gn	infilled	PR						
BHUA-04	868.55				V		30		bk	VN				5			
BHUA-04	868.84				V		30		yl	VN	PR			5			
BHUA-04	868.84	868.90			hJ	x4	30		yl		PR						
BHUA-04	869.00				V		70		wh	VN	PR			5			
BHUA-04	869.06	869.38			hJ	x9	45		wh		UN						
BHUA-04	869.37				CO		30										
BHUA-04	869.38	869.49			hJ	x4	45		gn		PR						
BHUA-04	869.67				V		30		yl	VN	CU-PR			8			
BHUA-04	869.68	869.80			V	x2	30		bk basalt	VN	PR-UN			40			
BHUA-04	869.72	870.21			hJ	x20	30		bk		PR						
BHUA-04	869.73	869.96			hJ	x3	45		bk		PR						
BHUA-04	869.79	870.35			hJ	x4	90		bk		PR						
BHUA-04	869.83				V		30		yl gy	VN	PR			10			
BHUA-04	870.34	870.42			hJ	x5	30		bk		PR						
BHUA-04	870.35				V		70		bk	VN	PR-ST			5			
BHUA-04	870.47				V		5		yl	VN	PR			5			
BHUA-04	870.47	870.73			hJ		60		yl		PR			15			
BHUA-04	870.50	870.70			hJ	x3	90		yl		PR						
BHUA-04	870.77	871.00			hJ	x5	85		yl		PR						
BHUA-04	870.77	878.00			hJ	x2	10		bk		PR						
BHUA-04	871.04	871.30			hJ	x5	45		bk yl		PR						
BHUA-04	871.13				hJ		70		bk		PR						
BHUA-04	871.22				V		70		bk	VN	UN	RF		8			
BHUA-04	871.35				V		30		bk yl	VN	PR-CU			8			
BHUA-04	871.46	871.88			hJ	x7	30		yl		PR						
BHUA-04	871.50				V		45		yl	VN	UN			8			
BHUA-04	871.52	871.83			hJ	x3	45		bk		PR						
BHUA-04	871.57				V		20		yl	VN	PR			5			
BHUA-04	871.76				V		70		yl	VN	PR			5			
BHUA-04	871.82				V		90		yl	VN	PR			5			
BHUA-04	871.84				hJ		30		yl								
BHUA-04	872.06	872.25			V	x4	30		yl bk	VN	PR-UN						
BHUA-04	872.07	873.00			hJ	x11	20		bk		PR						
BHUA-04	872.38				V		46		wh	VN	PR			5			
BHUA-04	872.78				hJ		45		bk		PR						
BHUA-04	872.82	872.93			V	x2	30		yl	VN	PR			70			
BHUA-04	873.00	873.77			hJ	x14	30		bk		PR-UN						
BHUA-04	873.09				hJ		60		bk		PR						
BHUA-04	873.20				hJ		80		bk		PR						
BHUA-04	873.28	873.60			V		80		yl gn bk		PR			7			
BHUA-04	873.65	874.20			hJ	x4	60		bk		PR						
BHUA-04	873.75				hJ		90		bk		UN						

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	873.75	874.70			hJ	x6	45		bk		PR						
BHUA-04	874.60				CO		45		yl	VN	PR			5			
BHUA-04	874.72	875.00			hJ	x7	70		yl		PR-UN						
BHUA-04	874.78				J		45			CN	PR	RF					
BHUA-04	874.80				V		30		yl	VN	PR			5			
BHUA-04	875.00				V		70		bk	VN	PR			5			
BHUA-04	875.00	875.59			hJ	x7	70		bk yl		PR						
BHUA-04	875.25	876.00			hJ		30		bk		PR						
BHUA-04	875.35				J		60			CN	PR-UN	RF					
BHUA-04	876.30	876.40			hJ	x2	70		bk		UN						
BHUA-04	876.54	876.55			V	x6	50		bk yl	VN	PR			5			
BHUA-04	876.60				hJ		60		yl		PR						
BHUA-04	876.61	877.13			hJ	x2	90		yl		UN						
BHUA-04	876.65	877.14			hJ	x6	45		bk		UN						
BHUA-04	877.44	877.60			hJ	x5	30		pale yl		UN						
BHUA-04	877.54				hJ		80		yl		PR						
BHUA-04	877.65	878.00			hJ	x8	30		bk		PR-UN						
BHUA-04	877.70	877.96			V	x16	30		pale yl	VN	PR-UN			5			
BHUA-04	878.00	878.10			V	x4	45		bk	VN	UN-IR			5			
BHUA-04	878.05	878.14			V	x2	30		wh yl	VN	PR-UN			5			
BHUA-04	878.15				V		30		yl gn bk wh	VN	PR			50			
BHUA-04	878.27				hJ		70		bk		UN						
BHUA-04	878.56	878.65			hJ	x2	45		pale yl		UN						
BHUA-04	878.66	878.87			hJ	x4	60		pale yl		UN						
BHUA-04	879.10				J		20			CN	IR	RF					
BHUA-04	879.12	879.32			V	x4	45		wh pale yl	VN	PR-UN			5			
BHUA-04	879.45	879.70			V	x6	45		bk yl	VN	PR			5			
BHUA-04	879.58	880.16			hJ	x8	45		bk		PR-UN						
BHUA-04	879.63				J		5			CN	IR	RF					
BHUA-04	879.71				hJ		90		bk		UN						
BHUA-04	879.87	880.96			hJ	x6	45		bk pale yl		UN						
BHUA-04	880.56	880.69			hJ	x4	45		bk		PR-UN						
BHUA-04	880.60				hJ		60		bk		UN						
BHUA-04	880.85				V		90		yl	VN	PR						
BHUA-04	881.10	881.20			V	x2	70		wh yl	VN	PR-UN			5			
BHUA-04	881.40				V		90		yl	VN	PR			7			
BHUA-04	881.47	881.70			hJ	x2	85		pale yl		UN						
BHUA-04	881.77	882.46			hJ	x9	45		bk pale yl		UN						
BHUA-04	882.11				J		5			CN	IR	RF					
BHUA-04	882.31	882.38			V	x4	45		wh pale yl	VN	PR-UN			8			
BHUA-04	882.47	882.62			hJ	x4	10		bk pale yl		UN						
BHUA-04	882.63				hJ		80		yl		UN						
BHUA-04	882.69	882.80			hJ	x4	30		pale yl		UN						
BHUA-04	882.89	883.18			hJ	x10	30		bk		PR-UN						
BHUA-04	883.00	883.20			V	x4	30		bkpale yl	VN	PR-UN			5			
BHUA-04	883.19				V		85		bk yl	VN	PR			5			
BHUA-04	883.29	883.72			hJ	x6	30		pale yl		PR-UN						
BHUA-04	883.33				J		30			CN	ST	RF					
BHUA-04	883.69				hJ		45		yl		UN						
BHUA-04	884.02				V		30		yl	VN	PR			10			
BHUA-04	884.25	884.50			hJ	x3	30		bk		PR-UN						
BHUA-04	884.40				J		5			CN	PR	RF					
BHUA-04	884.68	884.85			hJ	x5	20		bk		PR-UN						
BHUA-04	884.76	885.00			hJ	x3	45		bk		PR-UN						
BHUA-04	884.77				J		20			CN	PR	RF		10			
BHUA-04	884.80				V		90		yl	VN	PR-UN			5			
BHUA-04	885.05	885.23			V	x2	90		bk	VN	PR-UN						
BHUA-04	885.09	885.16			hJ	x4	30		bk		PR-UN						
BHUA-04	885.10	885.58			V	x2	70		bk yl	VN	PR-UN			5			
BHUA-04	885.38				hJ		45		yl	VN	UN	RF					
BHUA-04	885.40	885.45			hJ	x2	30		pale yl		PR-UN						
BHUA-04	885.54				J		5			CN	PR	RF					
BHUA-04	885.68	886.09			hJ	x4	60		pale yl		PR-UN						
BHUA-04	886.00	886.34			V	x3	85		gn yl	VN	UN			5			
BHUA-04	886.01	886.38			hJ	x4	30		pale yl		PR-UN						
BHUA-04	886.41	886.72			hJ	x13	20		bk		PR-UN						
BHUA-04	886.47	886.66			hJ	x4	45		bk		PR-UN						
BHUA-04	886.63				J		20		bk	VN	IR	RF		10			
BHUA-04	886.70	886.96			V	x4	30		bk yl	VN	PR-UN			5			
BHUA-04	886.92				hJ		45		bk		UN						
BHUA-04	887.00	887.23			hJ	x4	70		bk pale yl		PR-UN						
BHUA-04	887.06	887.16			V	x5	20		tl	VN	PR-UN			5			
BHUA-04	887.20	887.33			V	x4	45		bk yl	VN	PR-UN			8			
BHUA-04	887.24				J		45		yl	VN	PR	SM		10			
BHUA-04	887.35	887.97			V	x5	85		bk	VN	PR-UN			5			
BHUA-04	887.40	887.97			hJ	x16	10		bk		UN						
BHUA-04	887.73				hJ		60		bk		UN						
BHUA-04	887.76	887.83			hJ	x2	45		bk		PR						
BHUA-04	888.05	888.20			V	x3	30		bk/yl	VN	PR-UN			5			

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Pioneer Burdekin Pumped Hydro Energy Storage: Tranche 2 – BHUA-04
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
BHUA-04	888.34	888.73			hJ	x17	28		bk		UN						
BHUA-04	888.35	888.70			V	x3	20		bk/ yl	VN	PR-UN			5			
BHUA-04	888.35	889.47			V	x2	90		bk/gn	VN	PR-UN			5			
BHUA-04	888.44				hJ		70		bk		UN						
BHUA-04	888.75	889.00			V	x3	60		bk	VN	PR-UN			5			
BHUA-04	888.91				hJ		20		bk		PR						
BHUA-04	889.00	889.25			V		90		pale yl	VN	UN			15			
BHUA-04	889.02	889.70			hJ	x9	45		bk pale yl		PR						
BHUA-04	889.05	889.19			hJ		80		bk		PR						
BHUA-04	889.30				J		5			CN	PR	RF					
BHUA-04	889.40	890.58			hJ	x14	20		bk		PR						
BHUA-04	889.92				hJ		30		bk		PR						
BHUA-04	890.64				J		20			CN	PR	RF					
BHUA-04	891.15				V		20		bk	VN	UN			20			
BHUA-04	891.30				J		20			CN	PR	RF					
BHUA-04	891.33				V		20		wh / bk	VN	UN			5			
BHUA-04	891.64	891.69			hJ	x3	30		bk		PR						
BHUA-04	892.05	892.22			hJ	x5	45		wh		PR						
BHUA-04	892.17				J		10			CN	PR	RF					
BHUA-04	892.29	892.37			hJ	x6	10		bk		PR						
BHUA-04	892.37	892.46			hJ	x3	45		bk		PR						
BHUA-04	892.48	892.58			hJ	x4	20		bk		PR						
BHUA-04	892.57				V		45		bk/ yl	VN	UN			5			
BHUA-04	892.60				hJ		60		bk		PR						
BHUA-04	892.60	892.80			V	x2	80		bk	VN	PR-UN			5			
BHUA-04	892.72	892.87			hJ	x6	60		bk		PR						
BHUA-04	892.81				V		45		wh, yl br	VN	PR-UN			20			
BHUA-04	892.83	893.83			V	x3	90		bk	VN	PR-UN			5			
BHUA-04	892.91	892.96			V	x4	10		bk	VN	PR-UN			5			
BHUA-04	893.10	893.30			V	x7	80		bk	VN	PR-UN			5			
BHUA-04	893.23	893.50			V	x2	60		wh/yl	VN	PR-UN			5			
BHUA-04	893.35	893.75			V	x8	60		bk	VN	PR-UN			5			
BHUA-04	893.59				hJ		45		yl		PR						
BHUA-04	893.68	893.78			hJ	x5	20		bk		PR						
BHUA-04	893.80	894.10			hJ	x3	70		bk		PR						
BHUA-04	893.88	893.94			hJ	x4	45		bk		PR						
BHUA-04	894.08	894.27			hJ	x6	30		bk		PR						
BHUA-04	894.28				CO		10		lamprophyre/alterated granite		PR-UN						
BHUA-04	895.05				CO		30		lamprophyre/alterated granite		PR						
BHUA-04	895.07	896.13			hJ	x3	30		bk		PR-UN						
BHUA-04	895.23	895.70			hJ	x4	45		bk		PR-UN						
BHUA-04	895.35	895.59			V	x8	45		yl	VN	PR-UN			5			
BHUA-04	895.83	895.92			hJ	x4	30		bk		PR						
BHUA-04	895.91				CO		30		basalt/alterated granite		PR						
BHUA-04	895.91	896.39			hJ	x15	45		wh / yl	VN	PR-UN			5			
BHUA-04	895.95				V		20		wh	VN	PR-UN			5			
BHUA-04	896.00				V		45		yl	VN	PR-UN			15			
BHUA-04	896.06	896.25			hJ	x3	60		wh/bk	VN	PR-UN			5			
BHUA-04	896.32				V		45		yl	VN	PR-UN			10			
BHUA-04	896.36	896.38			CO		20		basalt/alterated granite		PR-UN						
BHUA-04	896.48	896.90			hJ	x3	45		bk		PR						
BHUA-04	896.53	896.96			hJ	x7	30		bk / gn		PR						
BHUA-04	896.90	897.10			V	x2	60		bk / yl	VN	PR-UN			20			
BHUA-04	896.97	897.09			V	x2	20		bk / gn	VN	PR-UN			20			
BHUA-04	897.00	897.10			hJ	x6	20		bk		PR-UN						
BHUA-04	897.05	897.14			hJ	x3	60		bk		PR-UN						
BHUA-04	897.28	897.40			hJ	x9	20		gn		PR						
BHUA-04	897.30	897.48			hJ	x2	80		pale yl		PR						
BHUA-04	897.45				J		10			CN	IR	RF					
BHUA-04	897.50	897.61			V	x2	45		yl	VN	PR-UN						
BHUA-04	897.93	898.61			hJ	x12	20		bk		PR						
BHUA-04	898.10	898.47			hJ	x3	70		bk		PR						
BHUA-04	898.16	898.75			hJ	x4	90		bk		UN						
BHUA-04	898.20				V		20		yl	VN	PR-UN			5			
BHUA-04	898.51				J		10			CN	IR	RF					
BHUA-04	898.74	899.06			hJ	x12	30		bk		UN						
BHUA-04	898.75				V		30		mafic vein	VN	PR-UN			20			
BHUA-04	898.80				hJ		10		yl		UN						
BHUA-04	898.82				hJ		80		bk		UN						
BHUA-04	899.15	899.45			hJ	x11	20		bk / gn		PR						
BHUA-04	899.25	899.80			hJ	x5	45		bk / gn		PR						
BHUA-04	899.63	899.90			hJ	x7	30		bk / gn		PR						
BHUA-04	899.65				V		90		gn	VN	PR-UN			5			
BHUA-04	899.85				V		60		pale yl	VN	PR-UN			5			

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Preliminary

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:09 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 : BHUA-04 Depth Range: 4.00 - 7.00 m

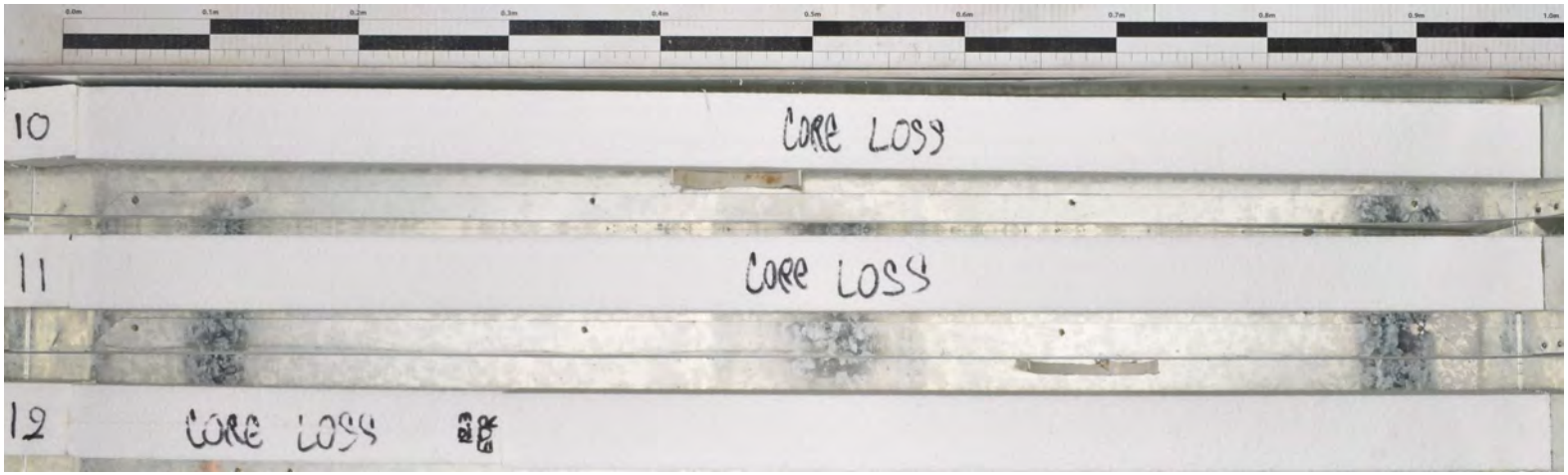


PointID : BHUA-04 Depth Range: 7.00 - 10.00 m

wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 1/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:09 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 : BHUA-04 Depth Range: 10.00 - 13.00 m



PointID : BHUA-04 Depth Range: 13.00 - 16.00 m

wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 2/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:09 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 : BHUA-04 Depth Range: 16.00 - 19.00 m



PointID : BHUA-04 Depth Range: 19.00 - 22.00 m

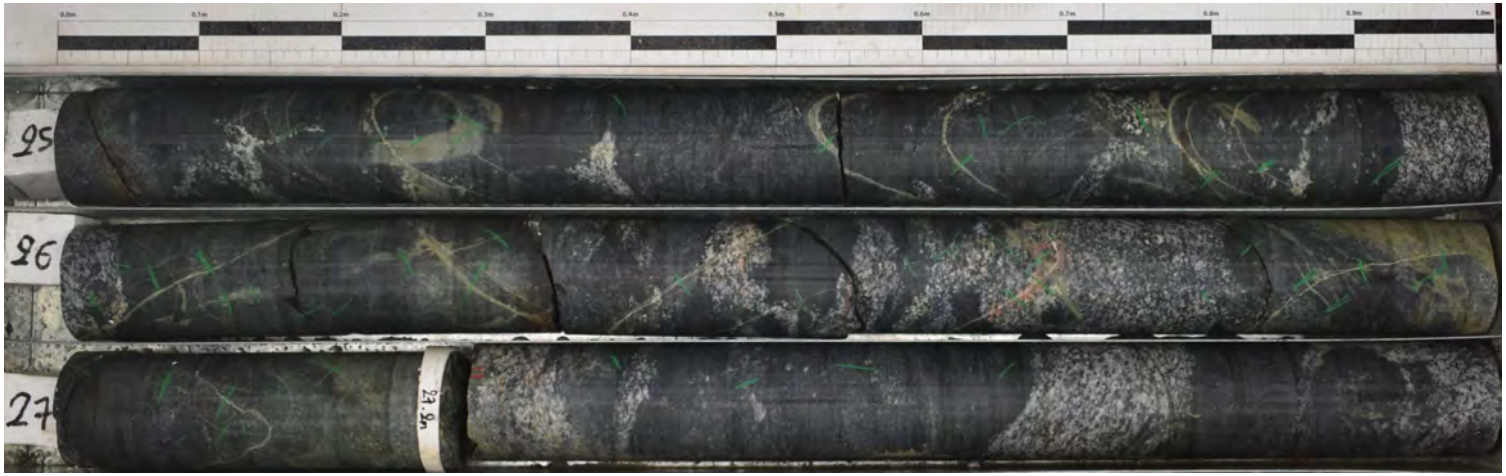
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 3/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:09 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 : BHUA-04 Depth Range: 22.00 - 25.00 m

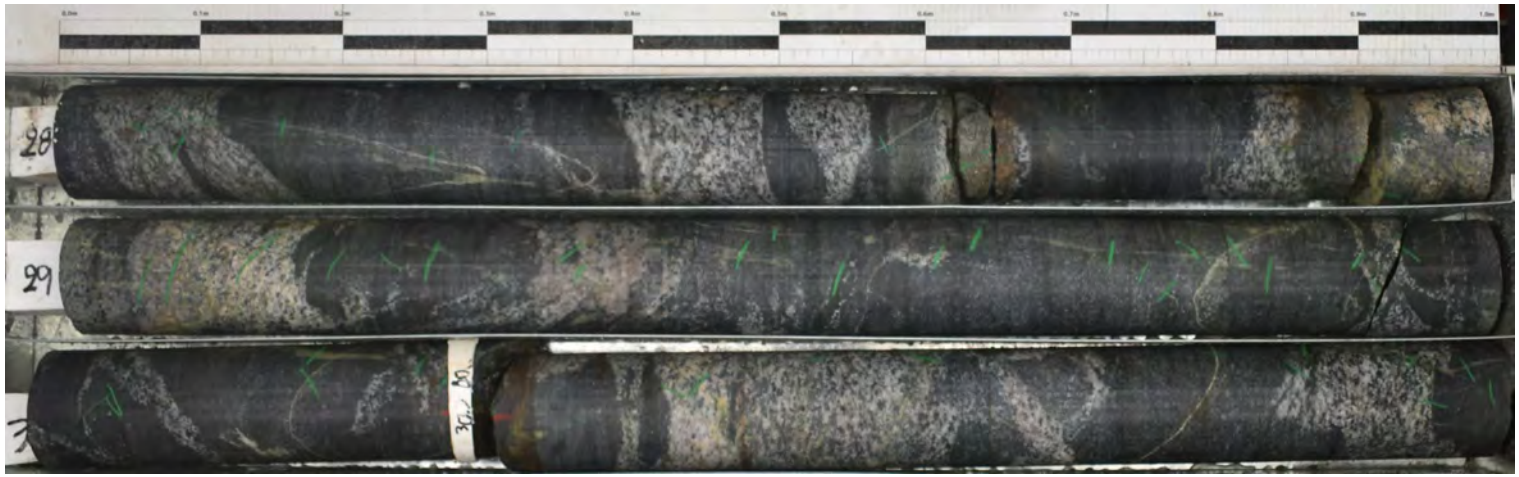


PointID : BHUA-04 Depth Range: 25.00 - 28.00 m

wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 4/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:09 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 : BHUA-04 Depth Range: 28.00 - 31.00 m



PointID : BHUA-04 Depth Range: 31.00 - 34.00 m

wsp

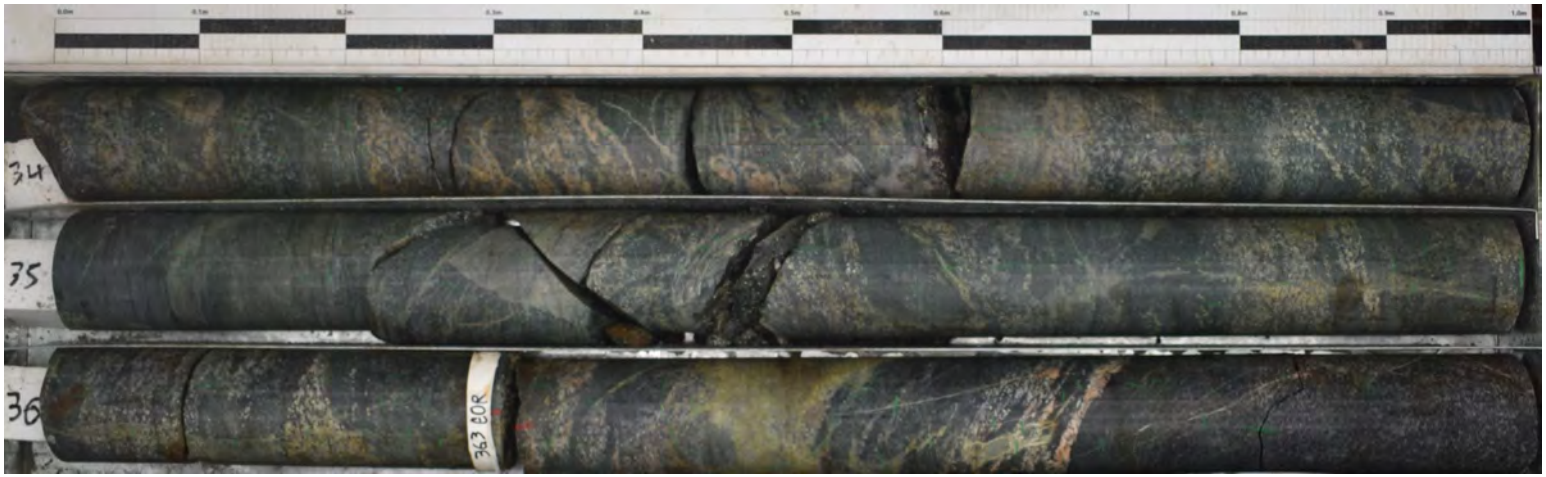
TITLE

Queensland Hydro
Dalrymple Heights
Pioneer-Burdekin PHES
Core photo - BHUA-04

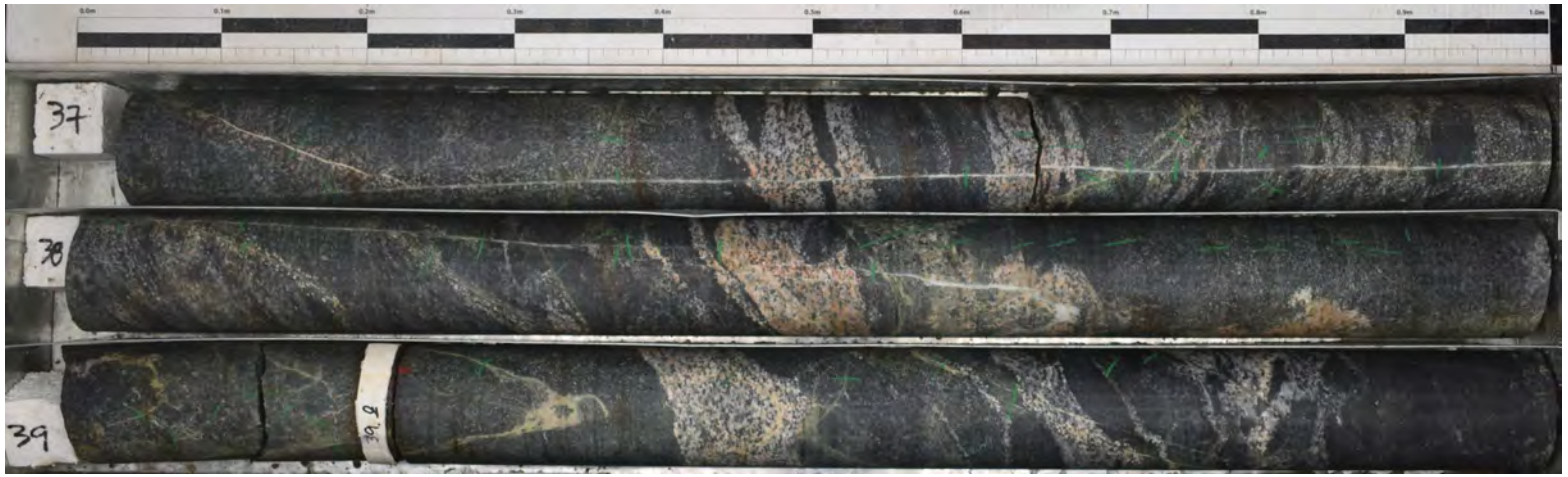
DRAWN	RC	DATE	2/12/2024
CHECKED	GEM	DATE	4/12/2024
SCALE	Not To Scale		A4
PROJECT No	PS138693	FIGURE No	5/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:09 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 : BHUA-04 Depth Range: 34.00 - 37.00 m

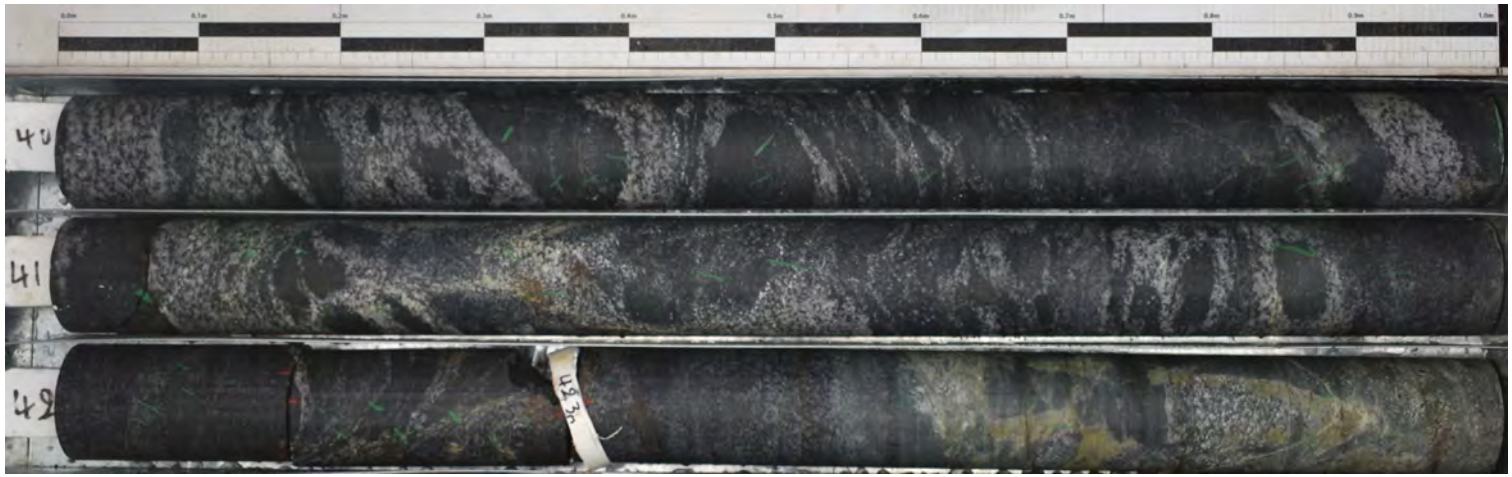


PointID : BHUA-04 Depth Range: 37.00 - 40.00 m

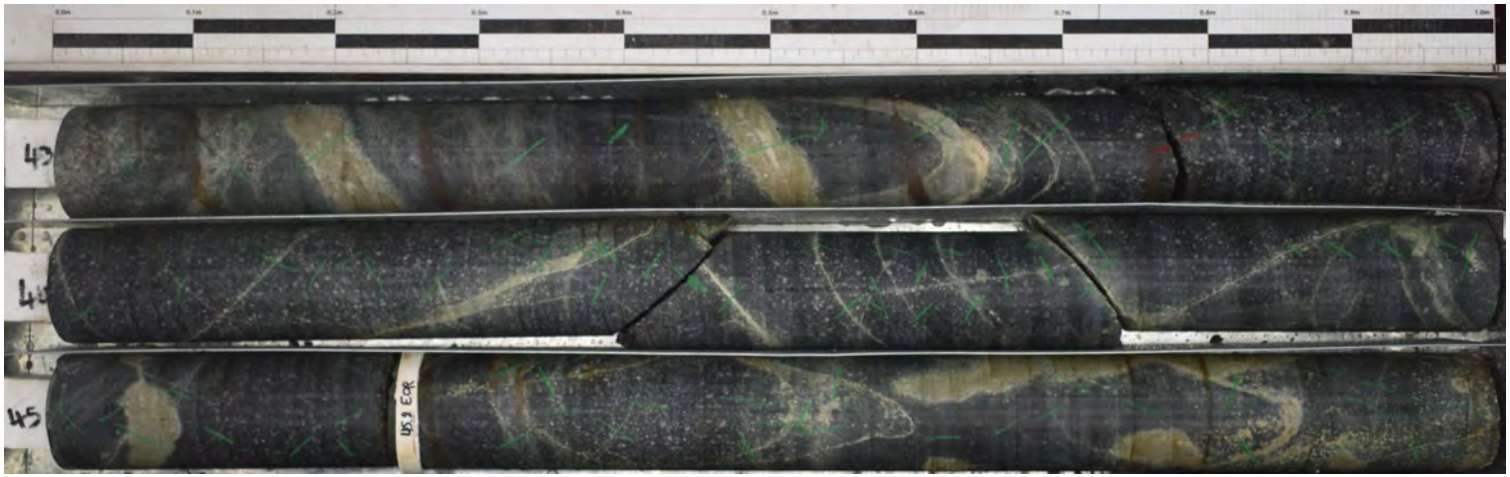
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 6/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:09 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 : BHUA-04 Depth Range: 40.00 - 43.00 m

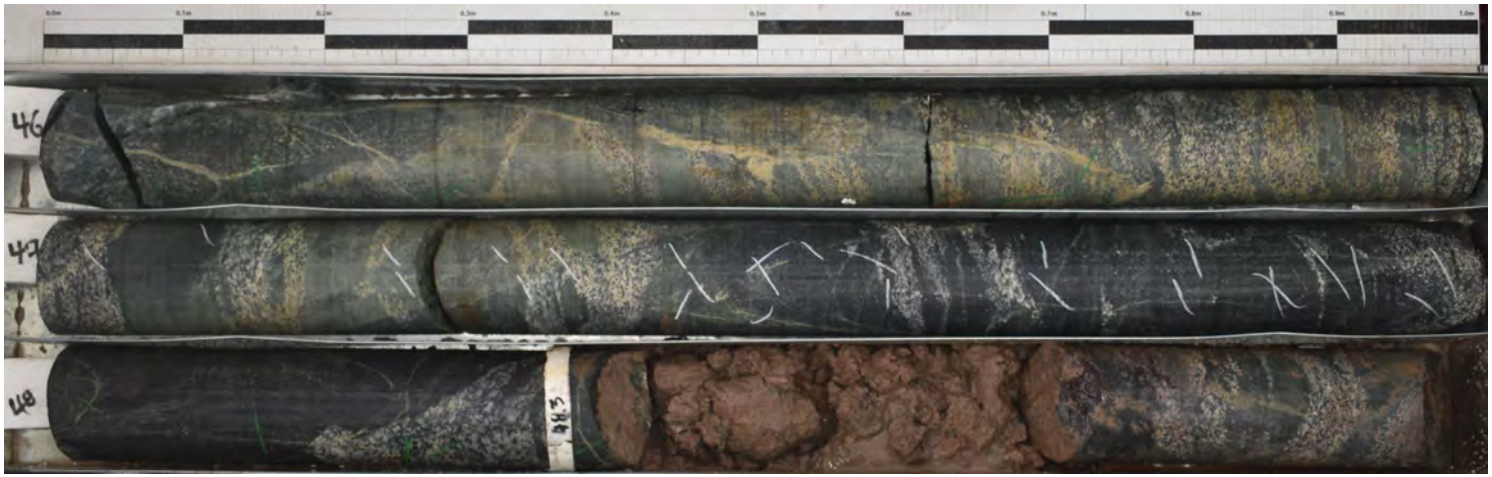


PointID : BHUA-04 Depth Range: 43.00 - 46.00 m

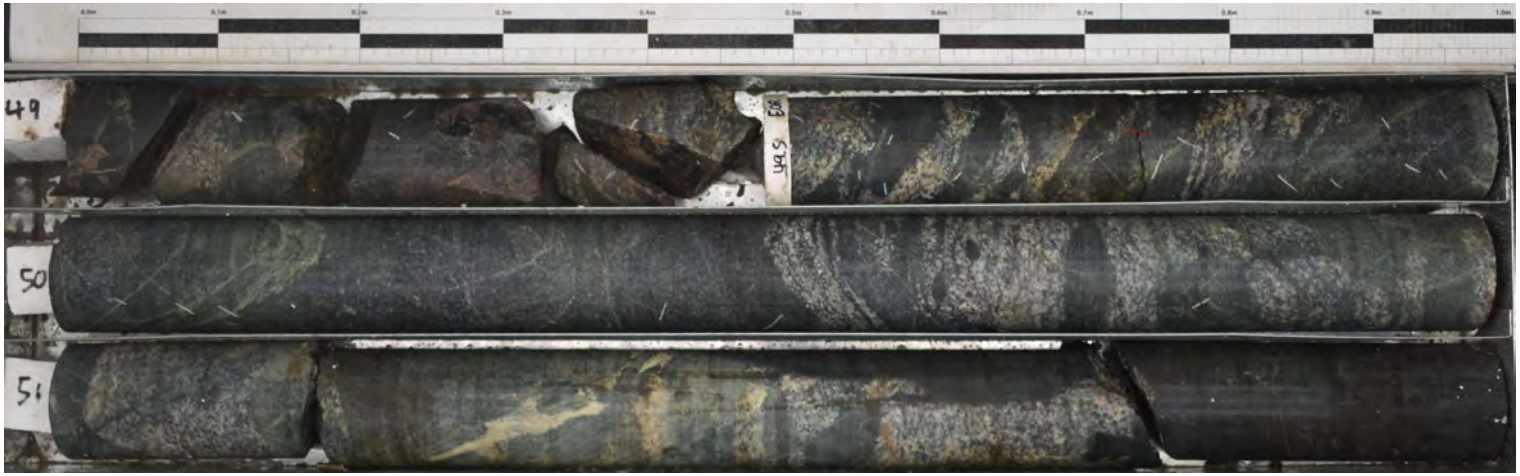
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC / DATE: 2/12/2024 CHECKED: GEM / DATE: 4/12/2024 SCALE: Not To Scale / A4 PROJECT No: PS138693 / FIGURE No: 7/119	

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:09 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 : BHUA-04 Depth Range: 46.00 - 49.00 m



PointID : BHUA-04 Depth Range: 49.00 - 52.00 m

wsp

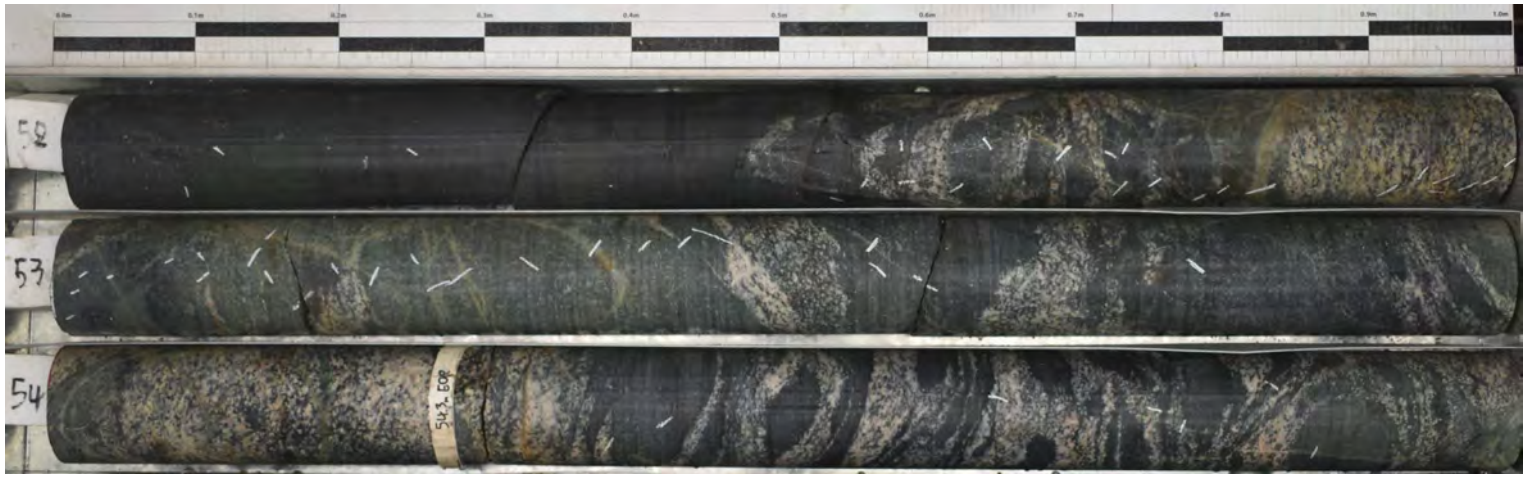
TITLE

Queensland Hydro
Dalrymple Heights
Pioneer-Burdekin PHES
Core photo - BHUA-04

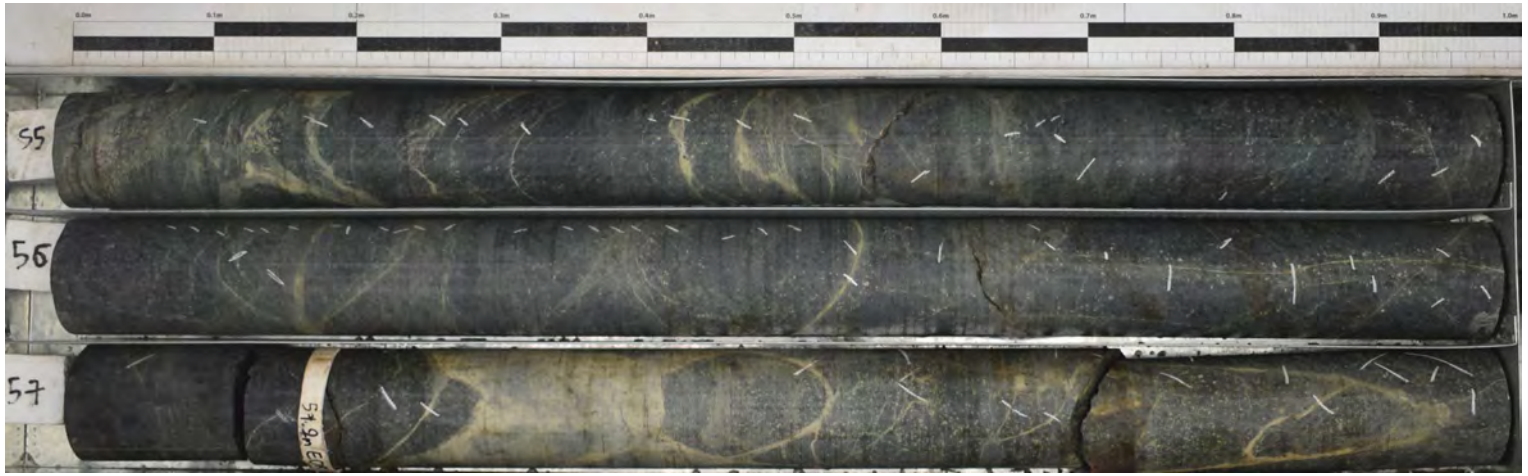
DRAWN RC	DATE 2/12/2024	
CHECKED GEM	DATE 4/12/2024	
SCALE Not To Scale		A4
PROJECT No PS138693	FIGURE No 8/119	

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:10 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 : BHUA-04 Depth Range: 52.00 - 55.00 m

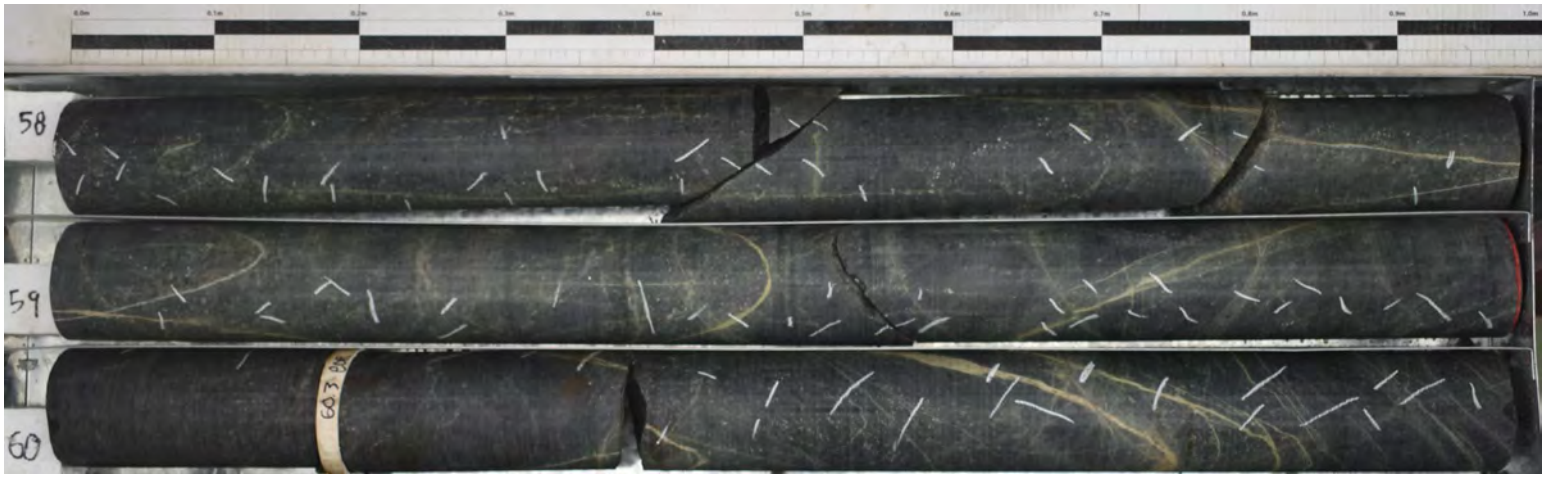


PointID : BHUA-04 Depth Range: 55.00 - 58.00 m

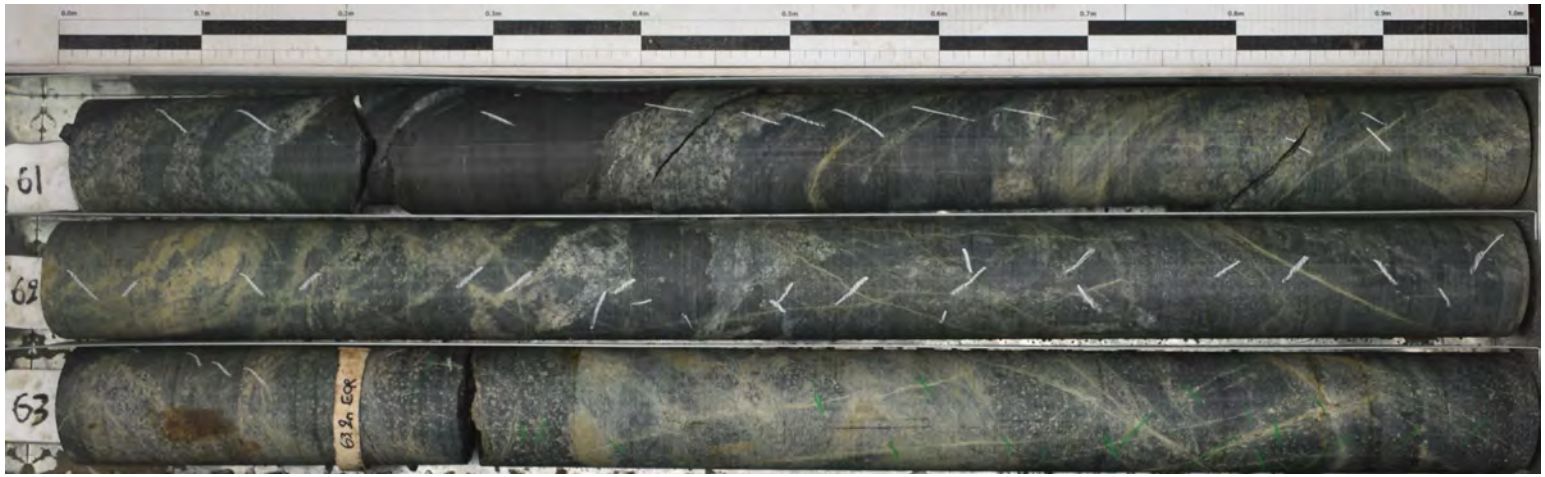
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 9/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:10 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 : BHUA-04 Depth Range: 58.00 - 61.00 m

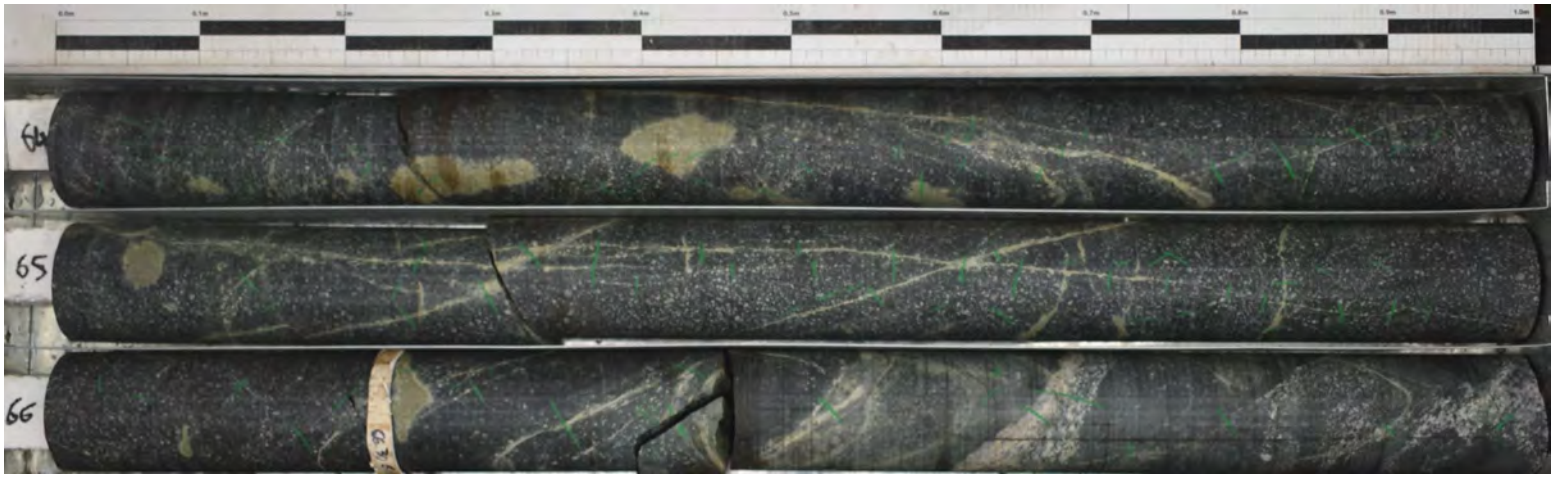


PointID : BHUA-04 Depth Range: 61.00 - 64.00 m

wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 10/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:10 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 : BHUA-04 Depth Range: 64.00 - 67.00 m



PointID : BHUA-04 Depth Range: 67.00 - 70.00 m

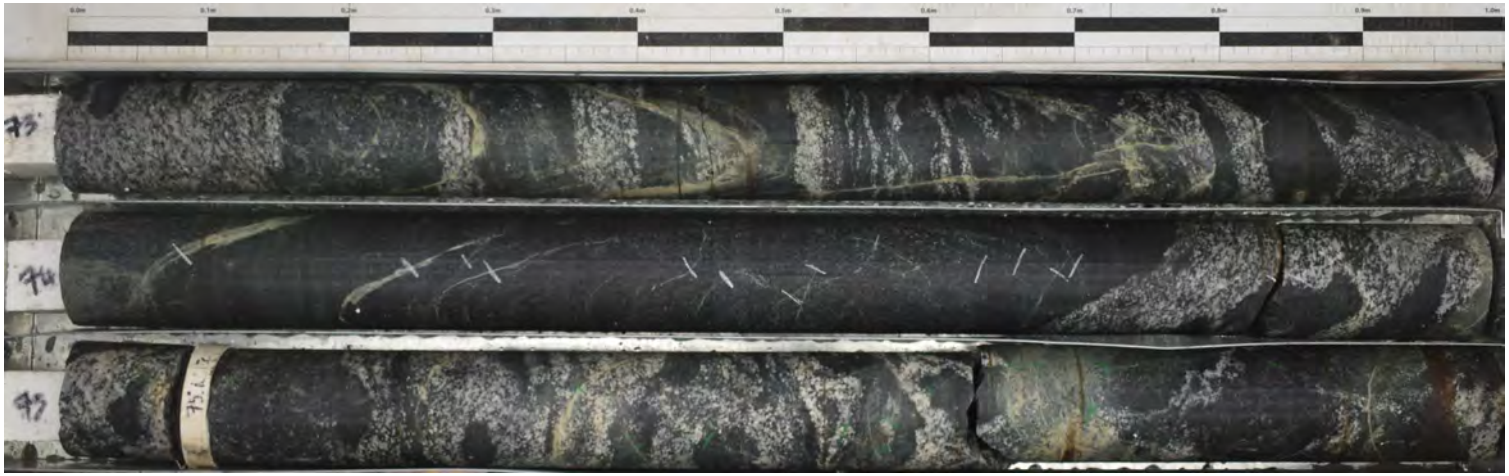
wsp	TITLE Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN RC / DATE 2/12/2024 CHECKED GEM / DATE 4/12/2024 SCALE Not To Scale / A4 PROJECT No PS138693 / FIGURE No 11/119	

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:10 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 : BHUA-04 Depth Range: 70.00 - 73.00 m

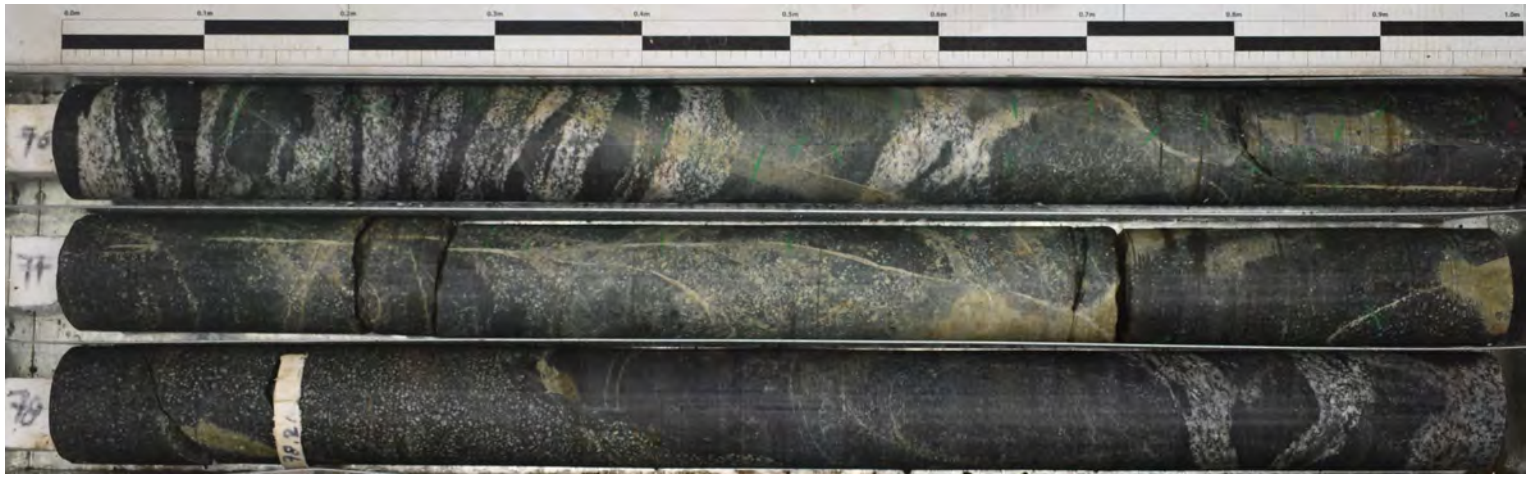


PointID : BHUA-04 Depth Range: 73.00 - 76.00 m

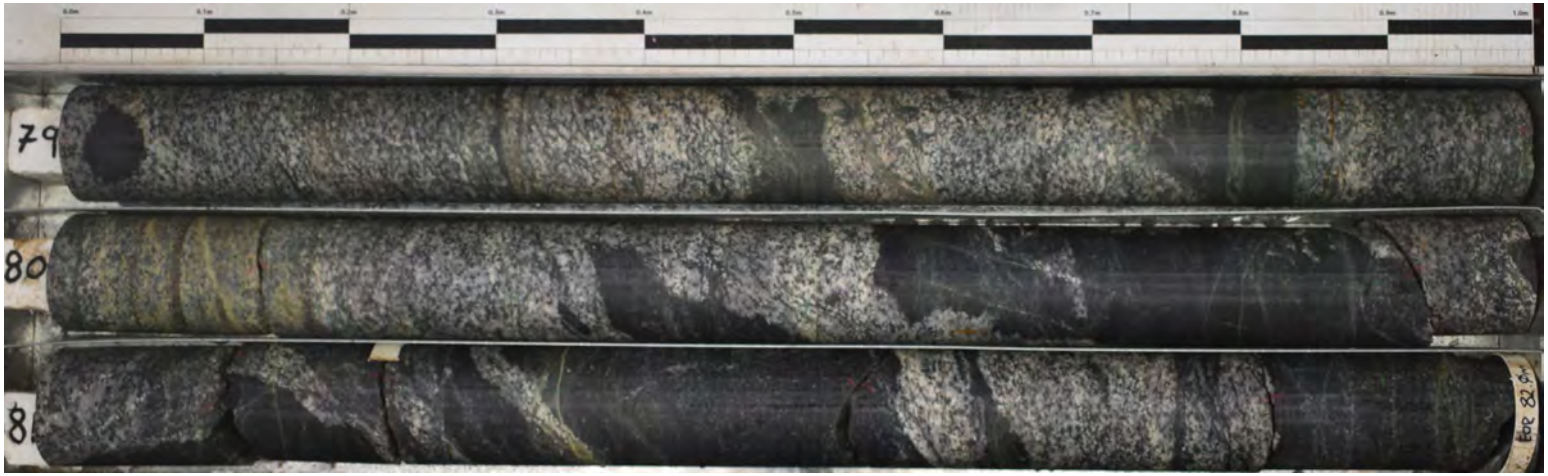
wsp	TITLE Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN RC / DATE 2/12/2024 CHECKED GEM / DATE 4/12/2024 SCALE Not To Scale / A4 PROJECT No PS138693 / FIGURE No 12/119	

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:10 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 : BHUA-04 Depth Range: 76.00 - 79.00 m

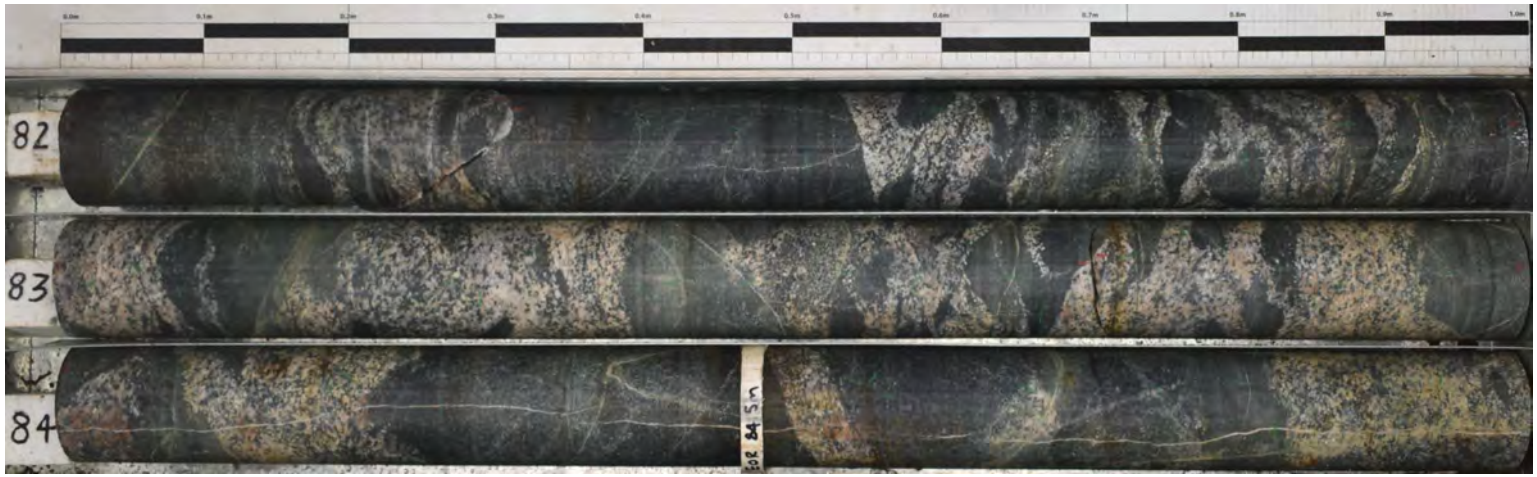


PointID : BHUA-04 Depth Range: 79.00 - 82.00 m

wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 13/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:10 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 : BHUA-04 Depth Range: 82.00 - 85.00 m



PointID : BHUA-04 Depth Range: 85.00 - 88.00 m

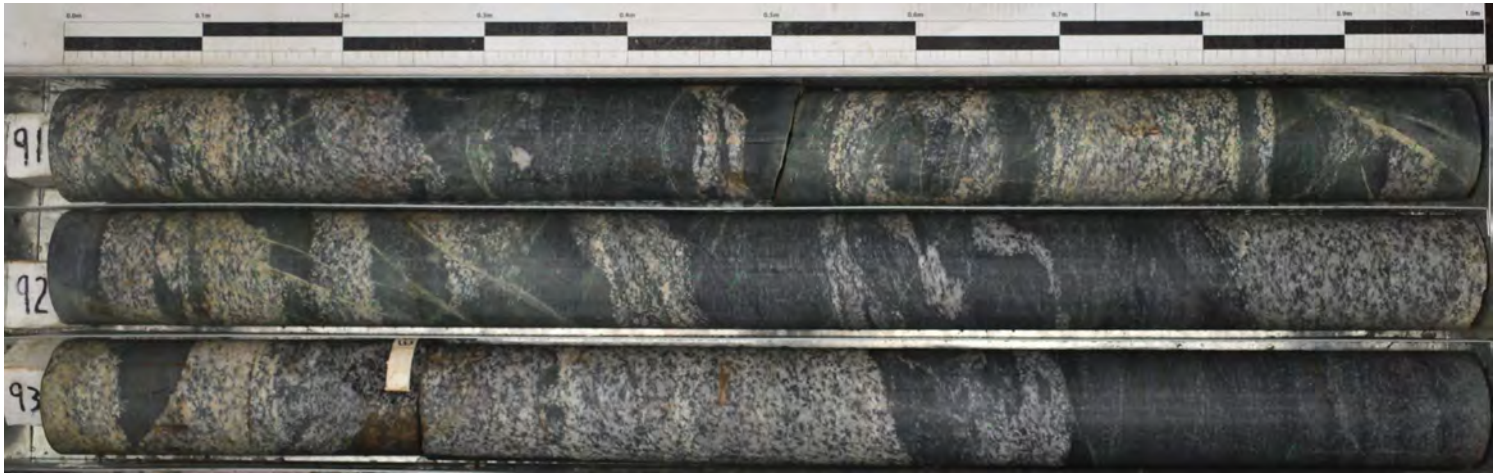
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 14/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:10 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 : BHUA-04 Depth Range: 88.00 - 91.00 m

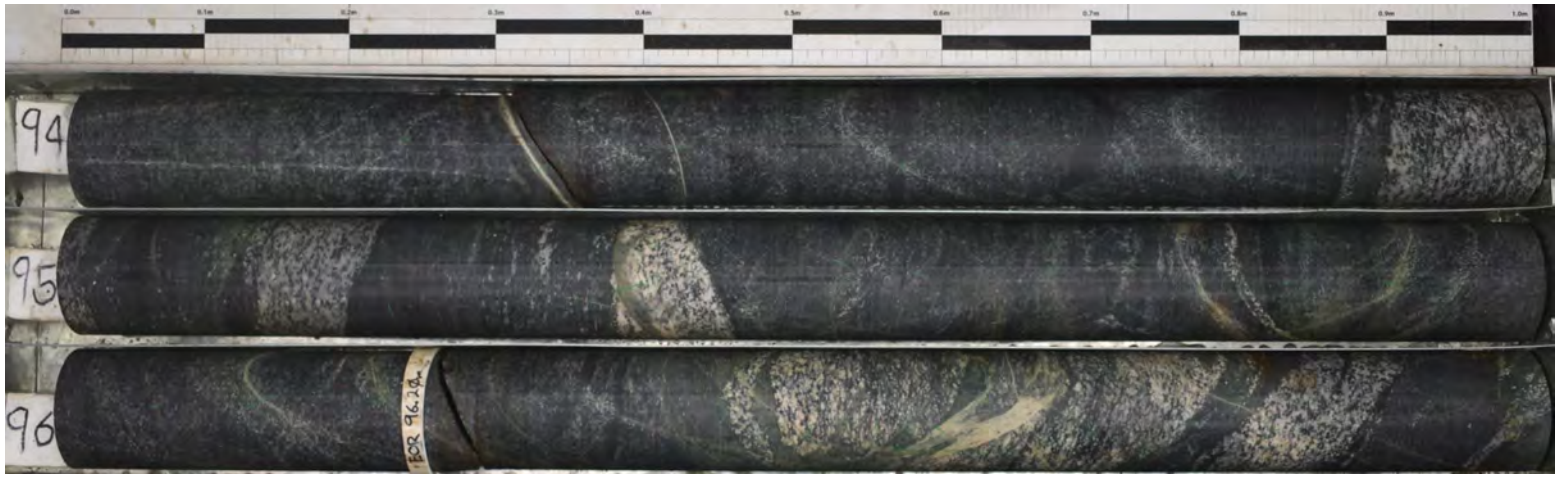


PointID : BHUA-04 Depth Range: 91.00 - 94.00 m

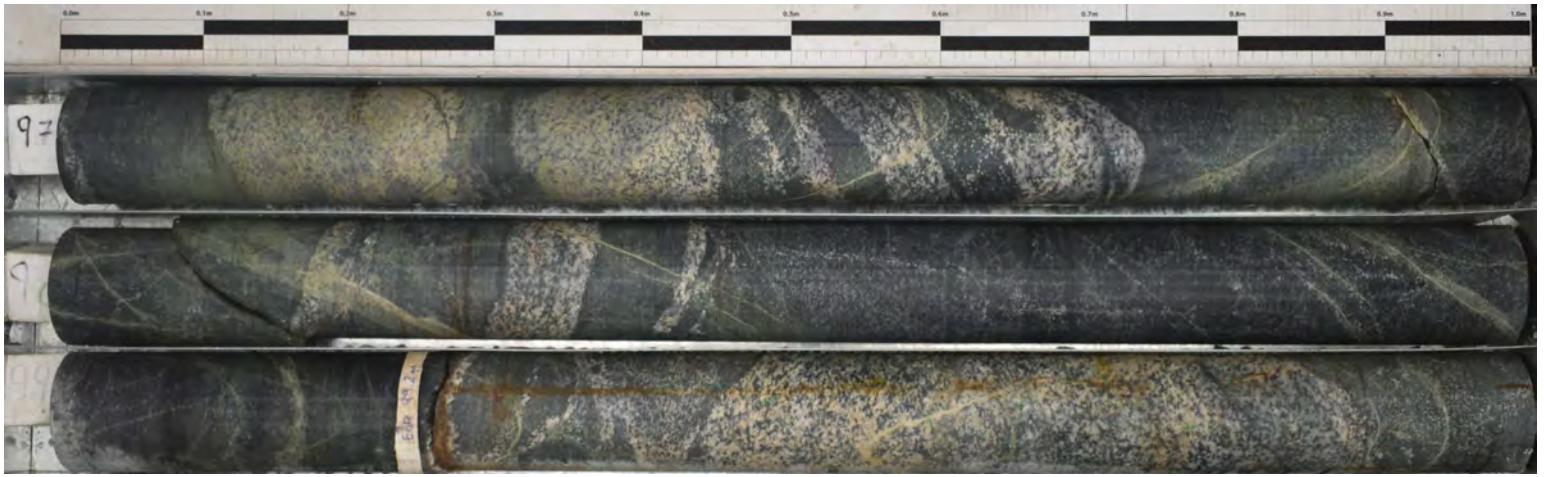
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 15/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:10 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 : BHUA-04 Depth Range: 94.00 - 97.00 m



PointID : BHUA-04 Depth Range: 97.00 - 100.00 m

wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 16/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:10 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 : BHUA-04 Depth Range: 100.00 - 103.00 m



PointID : BHUA-04 Depth Range: 103.00 - 106.00 m

wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 17/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:10 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 : BHUA-04 Depth Range: 106.00 - 109.00 m



PointID : BHUA-04 Depth Range: 109.00 - 112.00 m

wsp	TITLE Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN RC / DATE 2/12/2024 CHECKED GEM / DATE 4/12/2024 SCALE Not To Scale / A4 PROJECT No PS138693 / FIGURE No 18/119	

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:11 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 : BHUA-04 Depth Range: 112.00 - 115.00 m

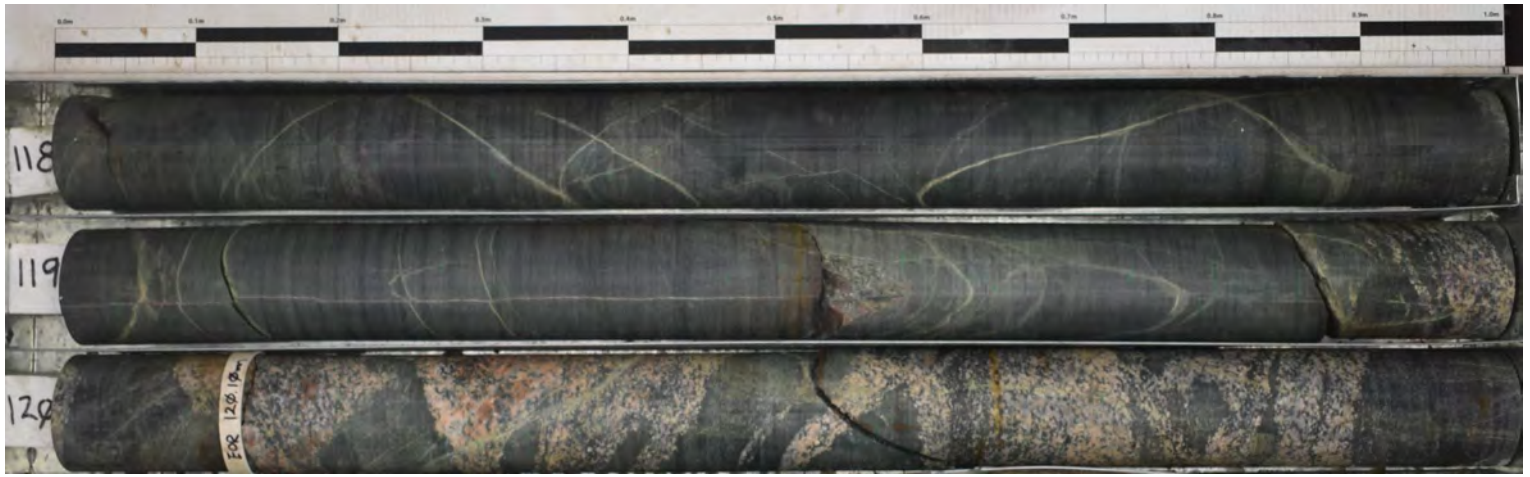


PointID : BHUA-04 Depth Range: 115.00 - 118.00 m

wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 19/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:11 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 : BHUA-04 Depth Range: 118.00 - 121.00 m

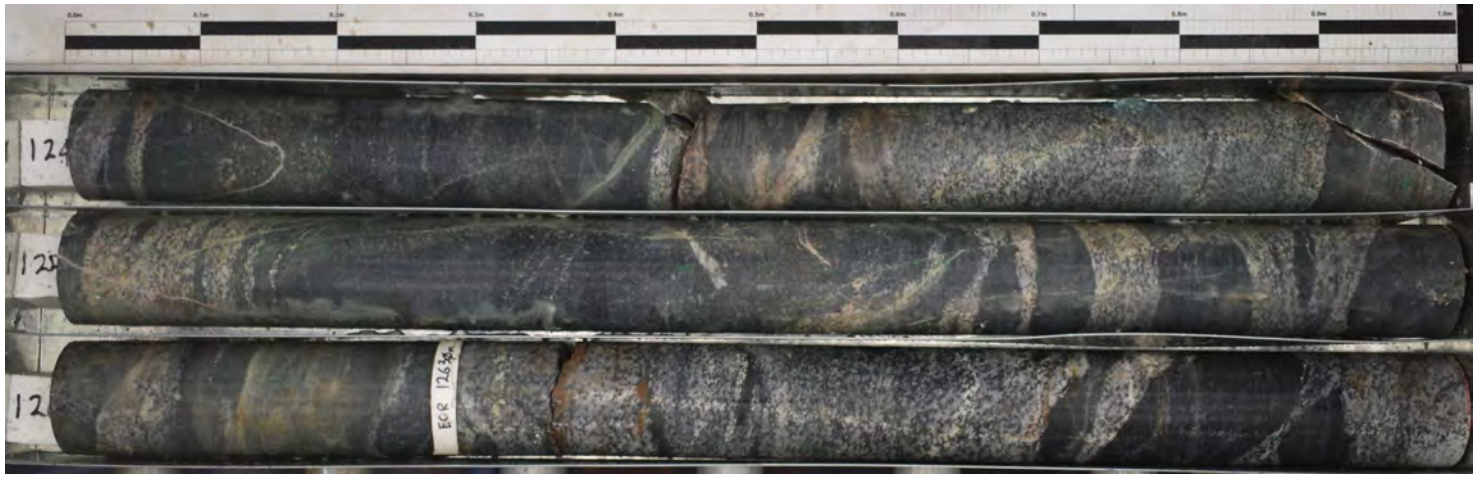


PointID : BHUA-04 Depth Range: 121.00 - 124.00 m

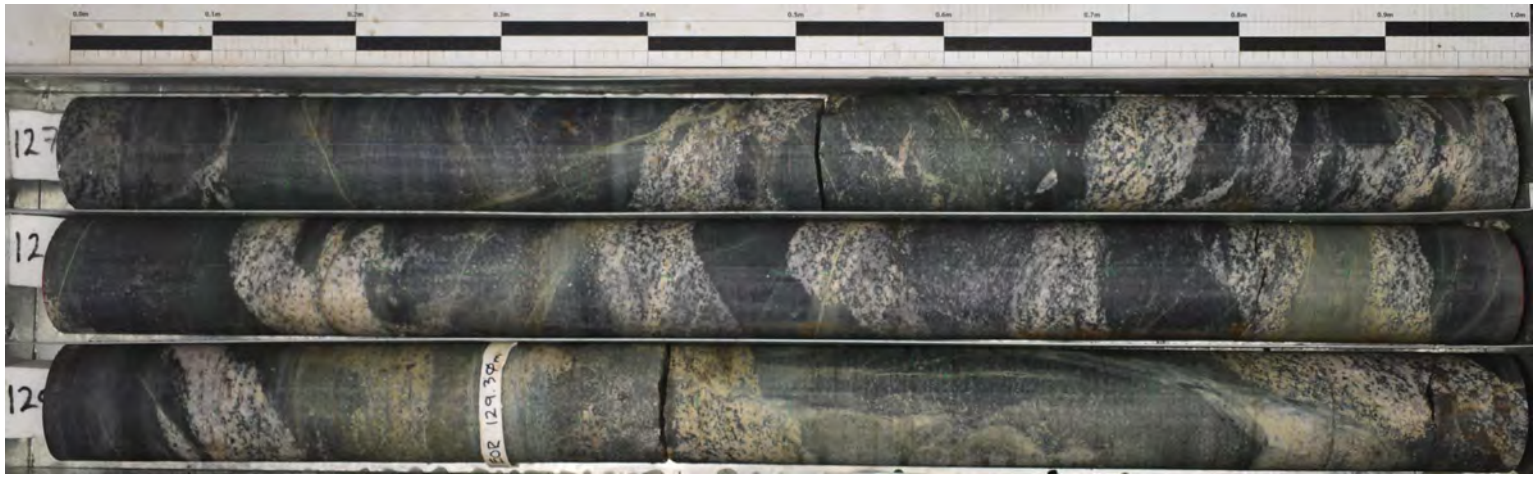
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 20/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:15 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 : BHUA-04 Depth Range: 124.00 - 127.00 m

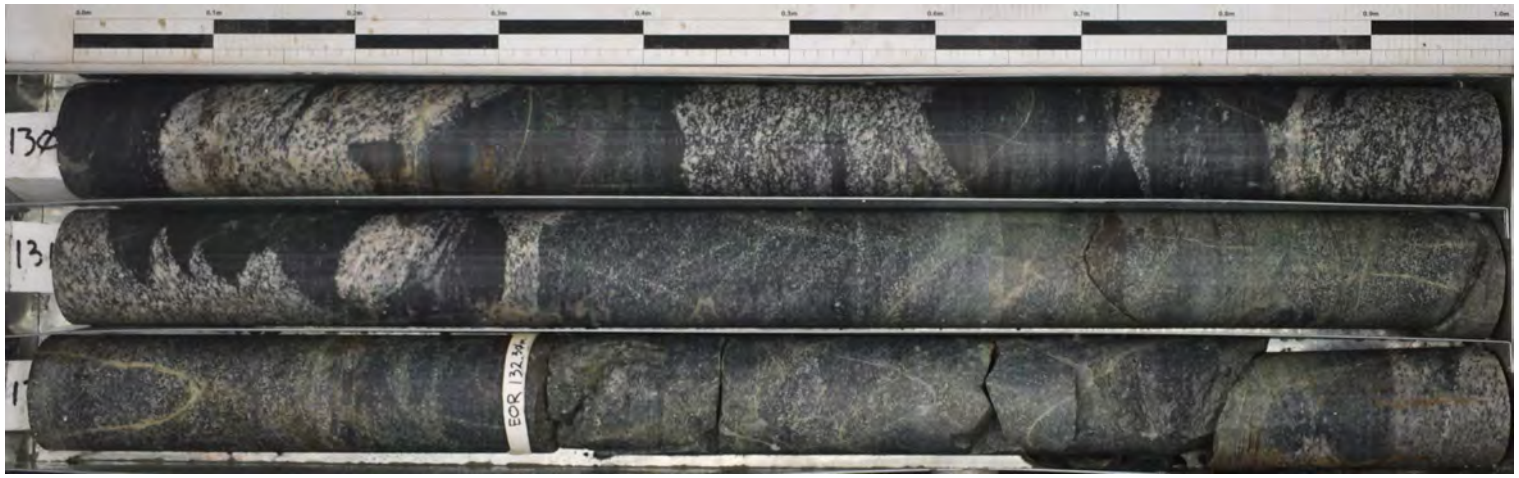


PointID : BHUA-04 Depth Range: 127.00 - 130.00 m

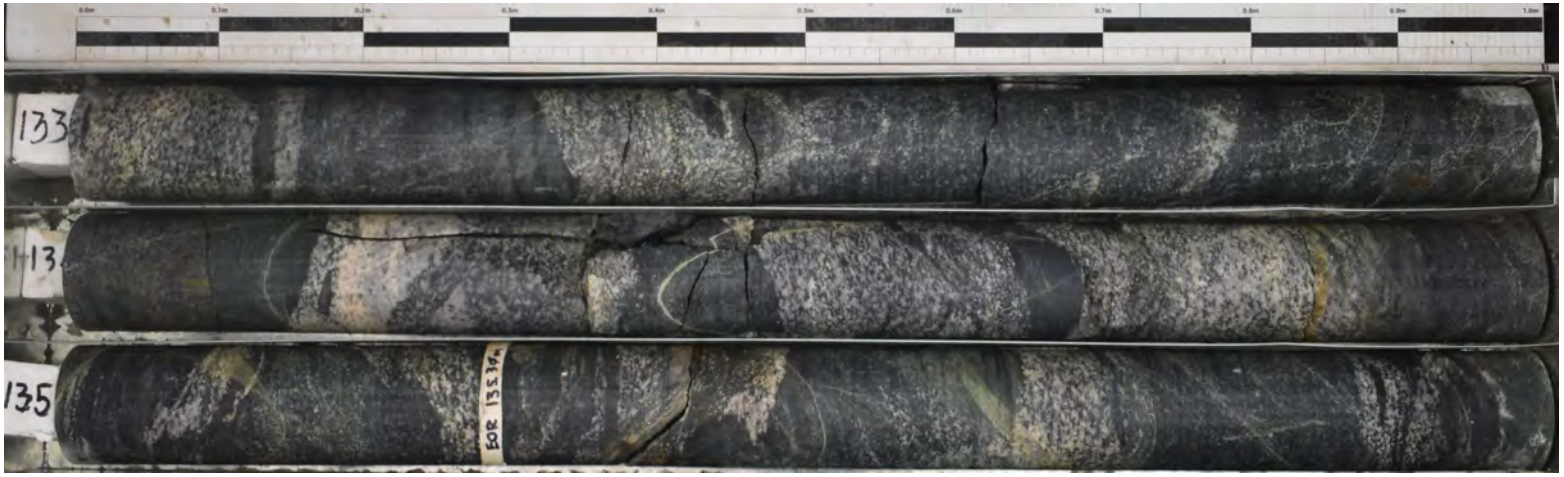
wsp	TITLE Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN RC / DATE 2/12/2024 CHECKED GEM / DATE 4/12/2024 SCALE Not To Scale / A4 PROJECT No PS138693 / FIGURE No 21/119	

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:15 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 : BHUA-04 Depth Range: 130.00 - 133.00 m

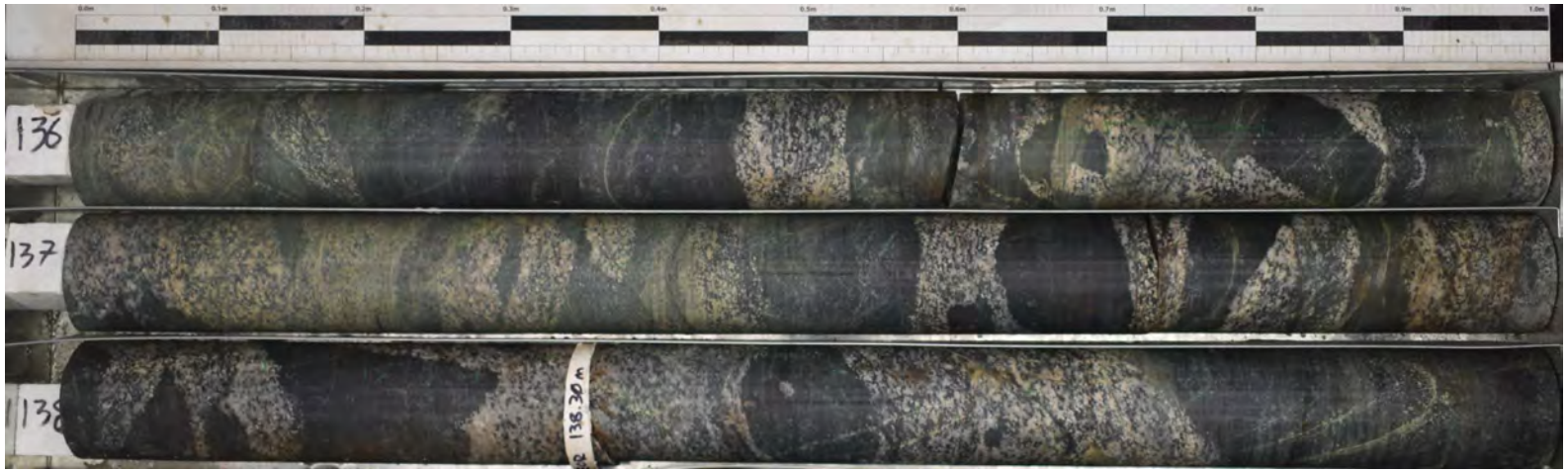


PointID : BHUA-04 Depth Range: 133.00 - 136.00 m

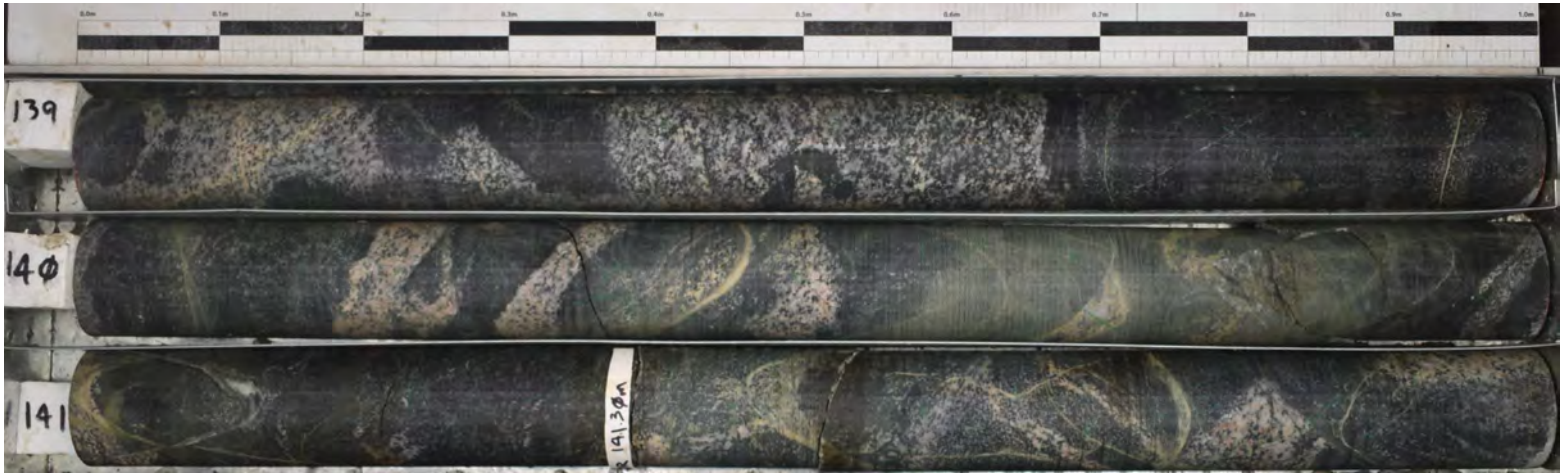
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 22/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:15 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 : BHUA-04 Depth Range: 136.00 - 139.00 m

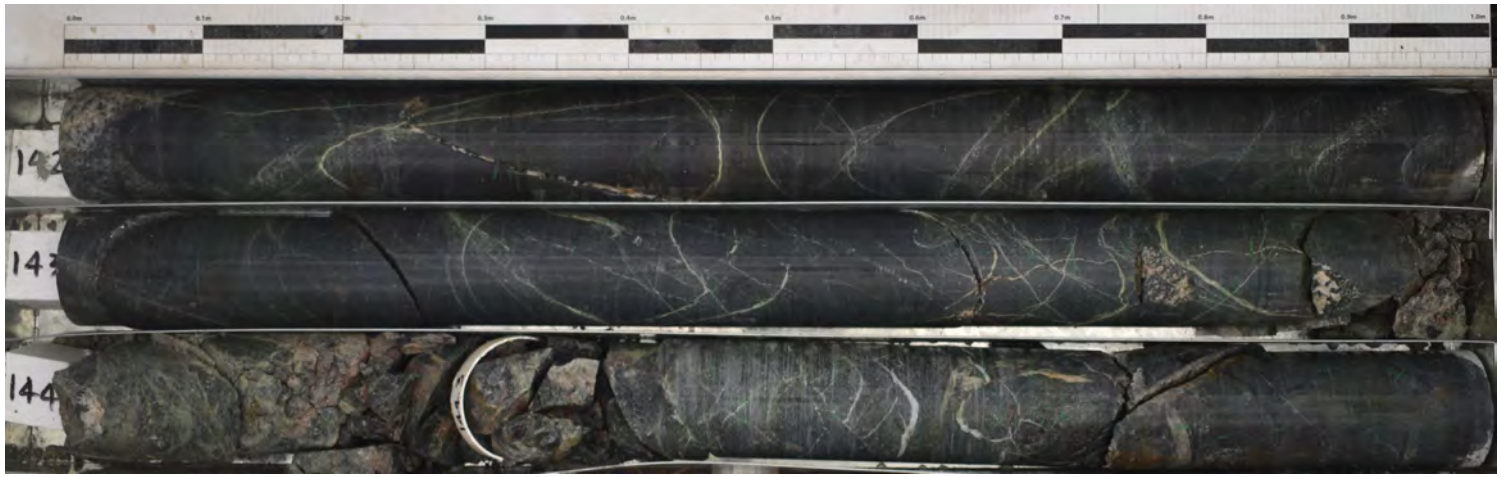


PointID : BHUA-04 Depth Range: 139.00 - 142.00 m

wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 23/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:15 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 : BHUA-04 Depth Range: 142.00 - 145.00 m



PointID : BHUA-04 Depth Range: 145.00 - 148.00 m

wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 24/119

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PointID : BHUA-04 Depth Range: 148.00 - 149.50 m



PointID : BHUA-04 Depth Range: 149.50 - 153.00 m

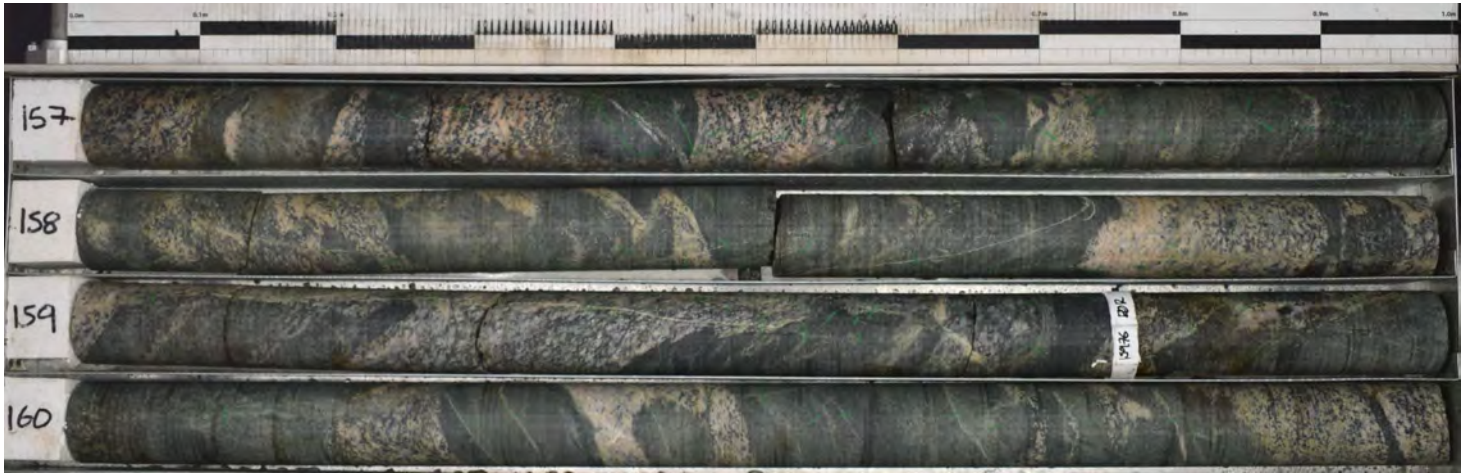
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 25/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:16 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 : BHUA-04 Depth Range: 153.00 - 157.00 m

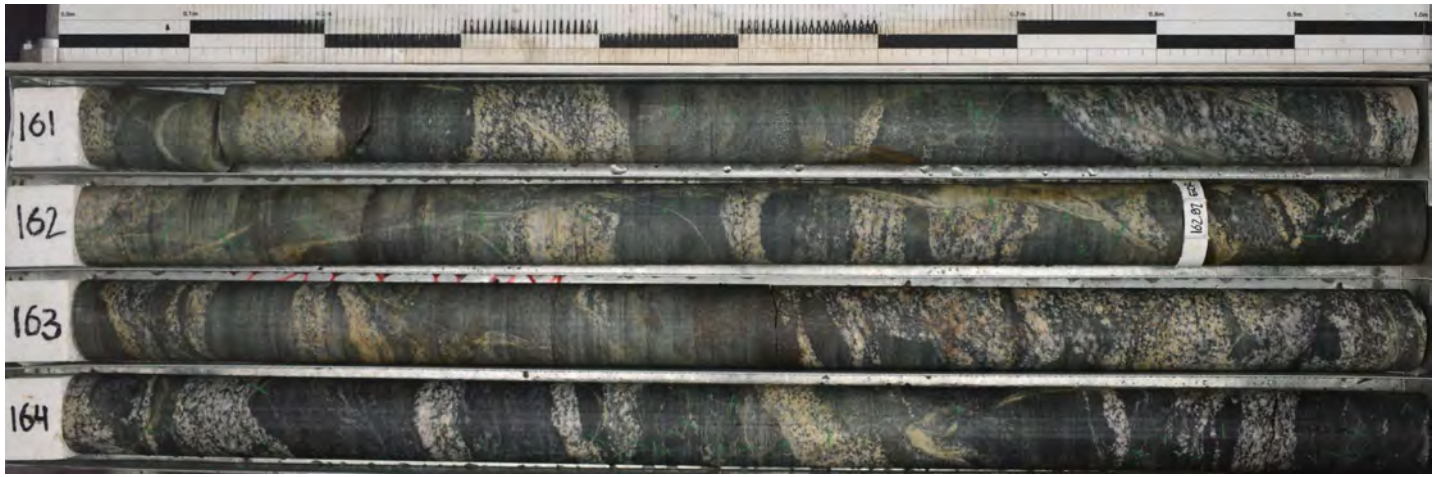


PointID : BHUA-04 Depth Range: 157.00 - 161.00 m

wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC / DATE: 2/12/2024 CHECKED: GEM / DATE: 4/12/2024 SCALE: Not To Scale / A4 PROJECT No: PS138693 / FIGURE No: 26/119	

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:16 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 : BHUA-04 Depth Range: 161.00 - 165.00 m

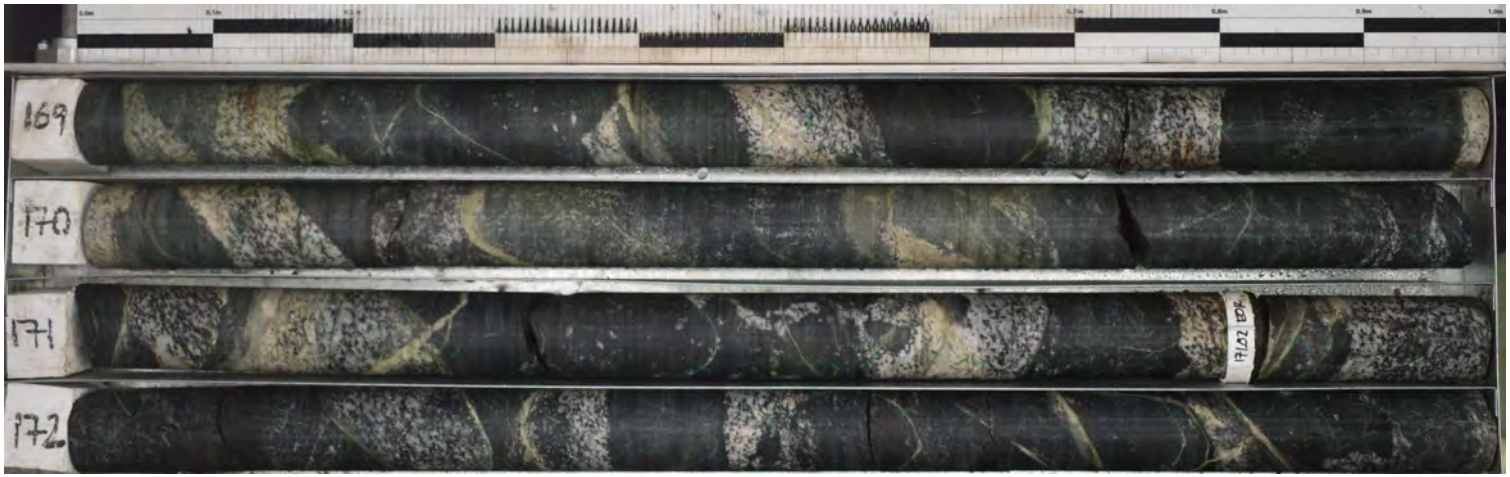


PointID : BHUA-04 Depth Range: 165.00 - 169.00 m

wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 27/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:16 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 : BHUA-04 Depth Range: 169.00 - 173.00 m

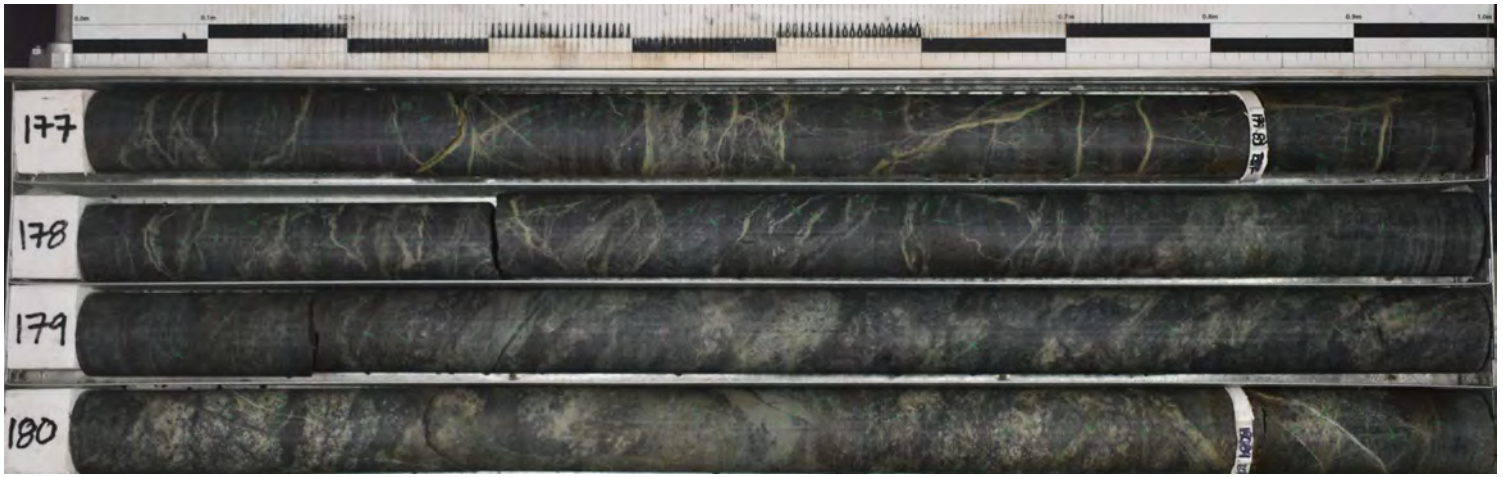


PointID : BHUA-04 Depth Range: 173.00 - 177.00 m

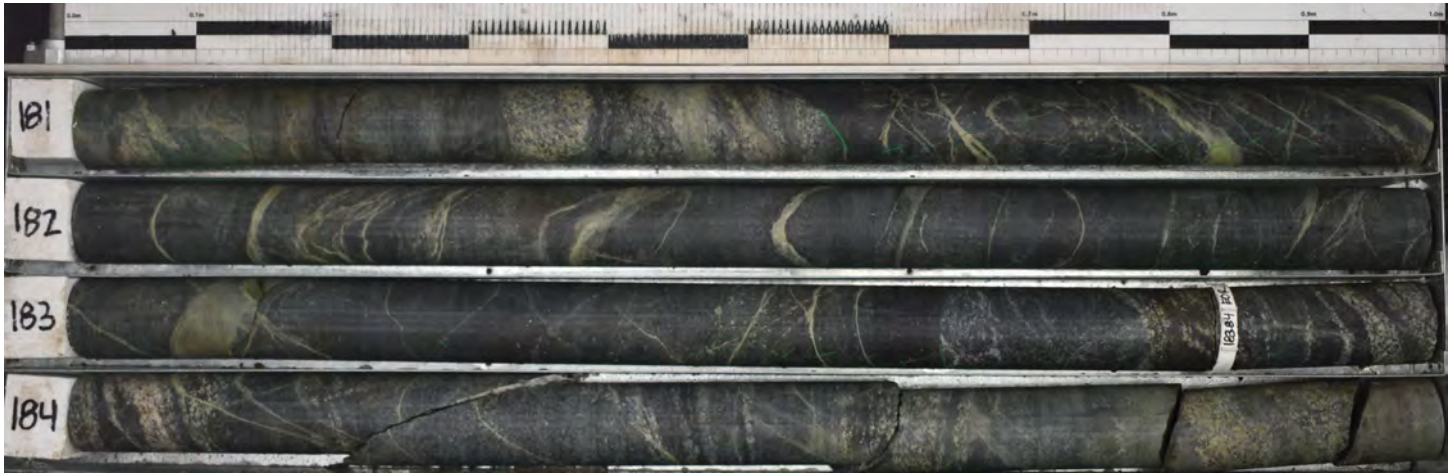
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 28/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:16 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 : BHUA-04 Depth Range: 177.00 - 181.00 m

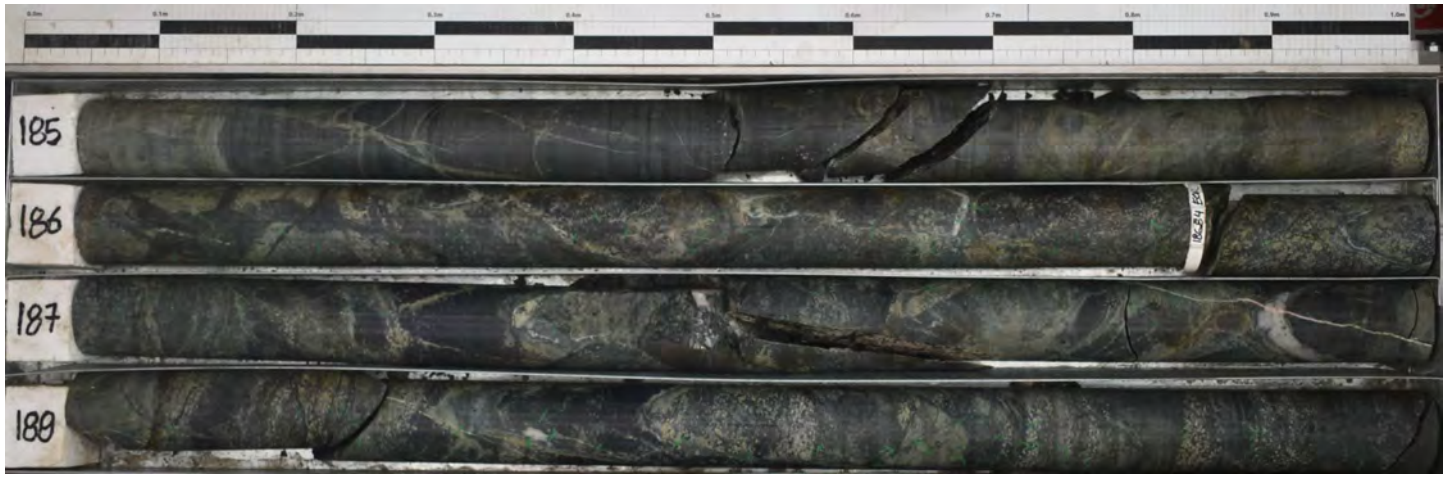


PointID : BHUA-04 Depth Range: 181.00 - 185.00 m

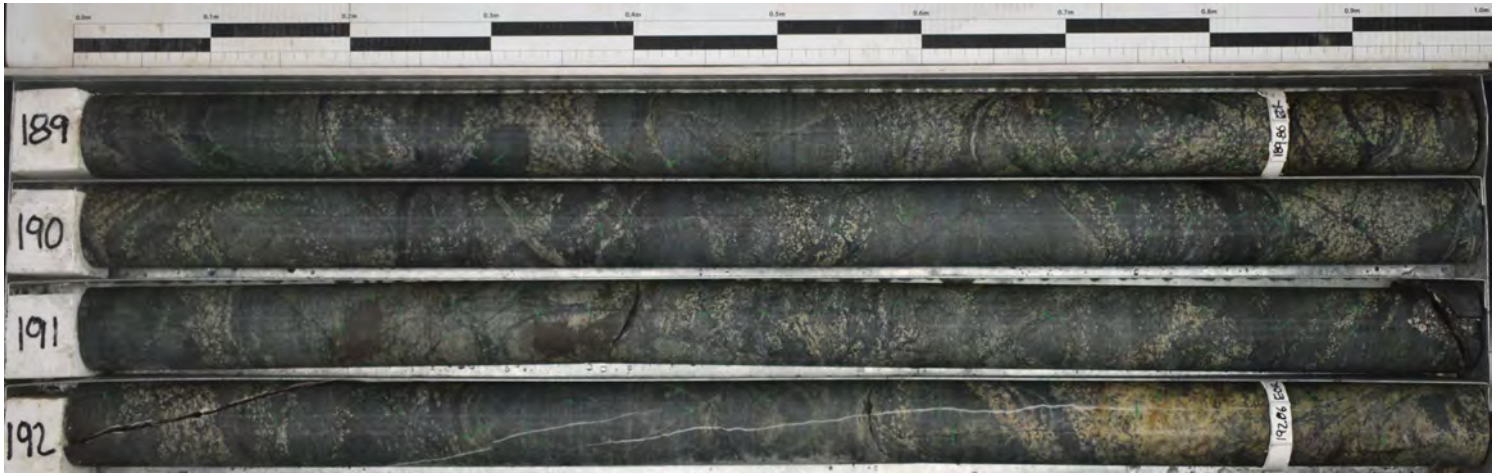
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 29/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:16 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 : BHUA-04 Depth Range: 185.00 - 189.00 m



PointID : BHUA-04 Depth Range: 189.00 - 193.00 m

wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 30/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:16 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 : BHUA-04 Depth Range: 193.00 - 197.00 m



PointID : BHUA-04 Depth Range: 197.00 - 201.00 m

wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 31/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:16 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 : BHUA-04 Depth Range: 201.00 - 205.00 m

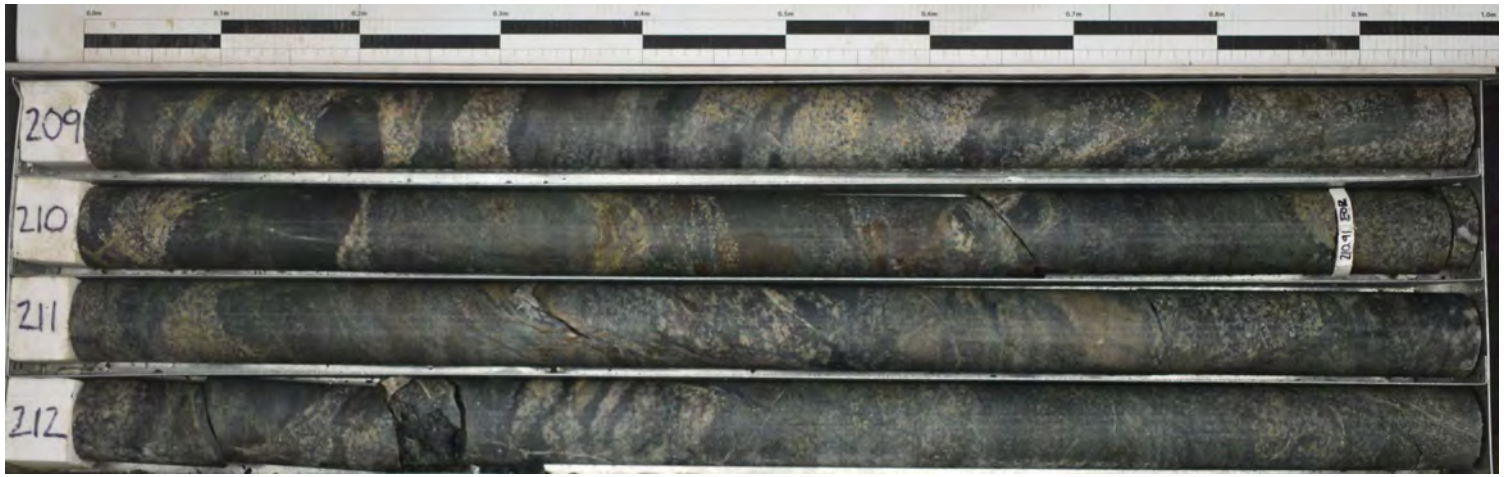


PointID : BHUA-04 Depth Range: 205.00 - 209.00 m

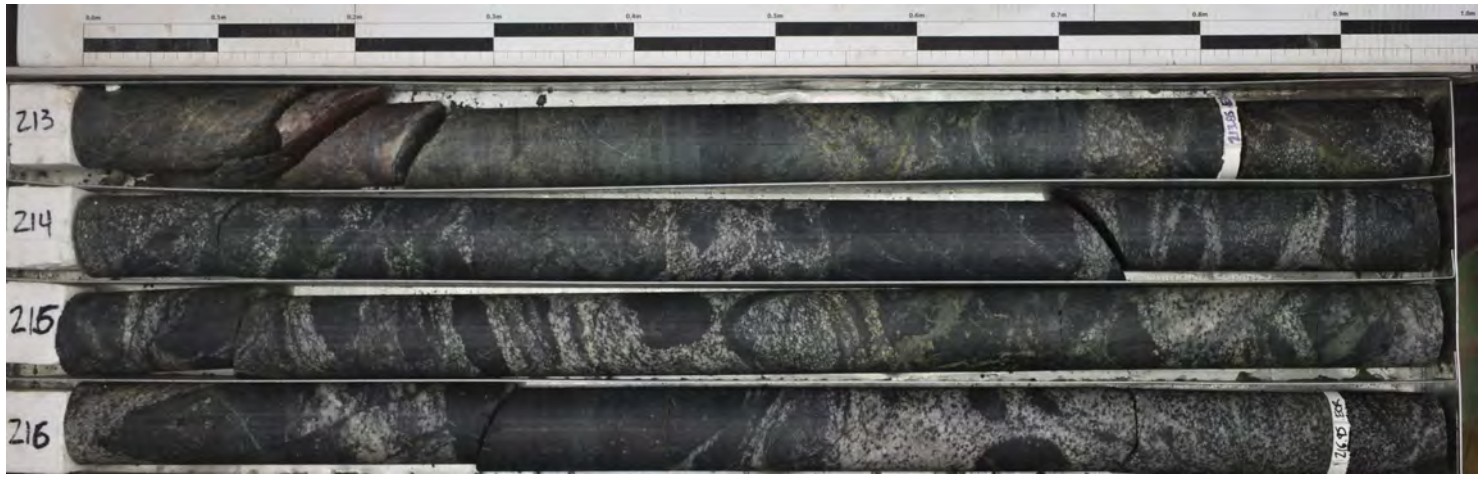
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 32/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:16 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 : BHUA-04 Depth Range: 209.00 - 213.00 m

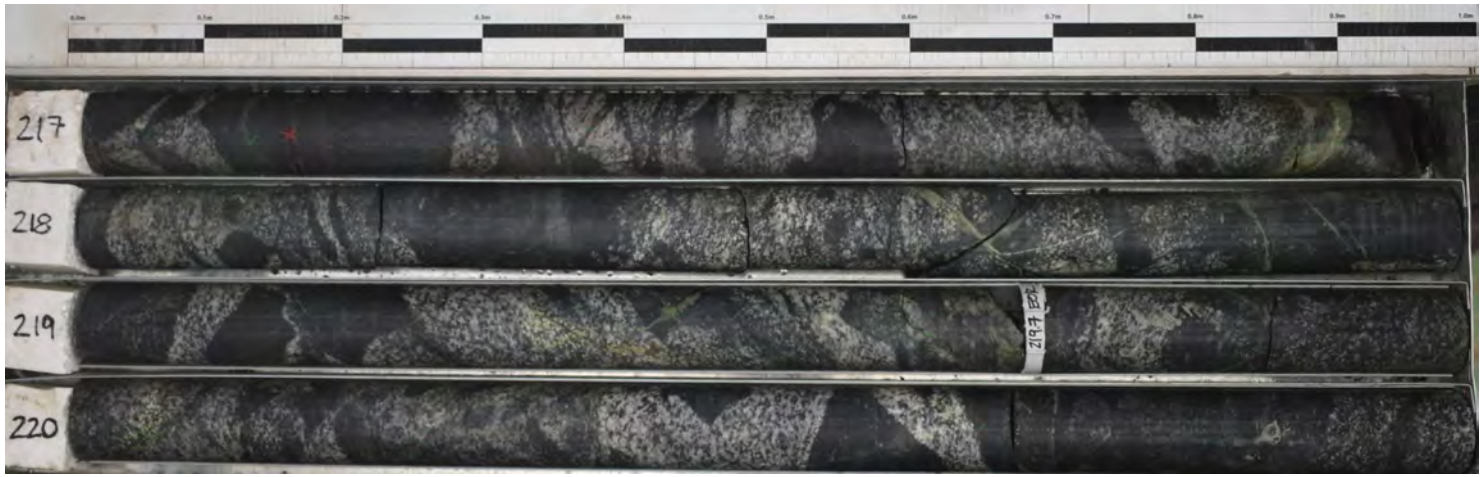


PointID : BHUA-04 Depth Range: 213.00 - 217.00 m

wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 33/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:16 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 : BHUA-04 Depth Range: 217.00 - 221.00 m

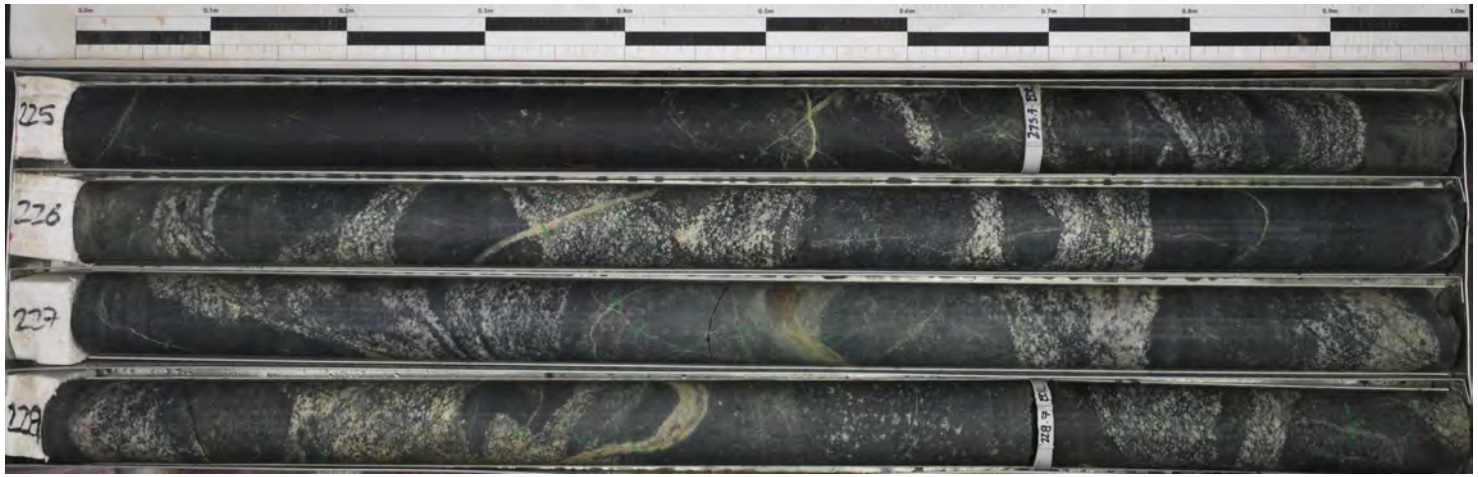


PointID : BHUA-04 Depth Range: 221.00 - 225.00 m

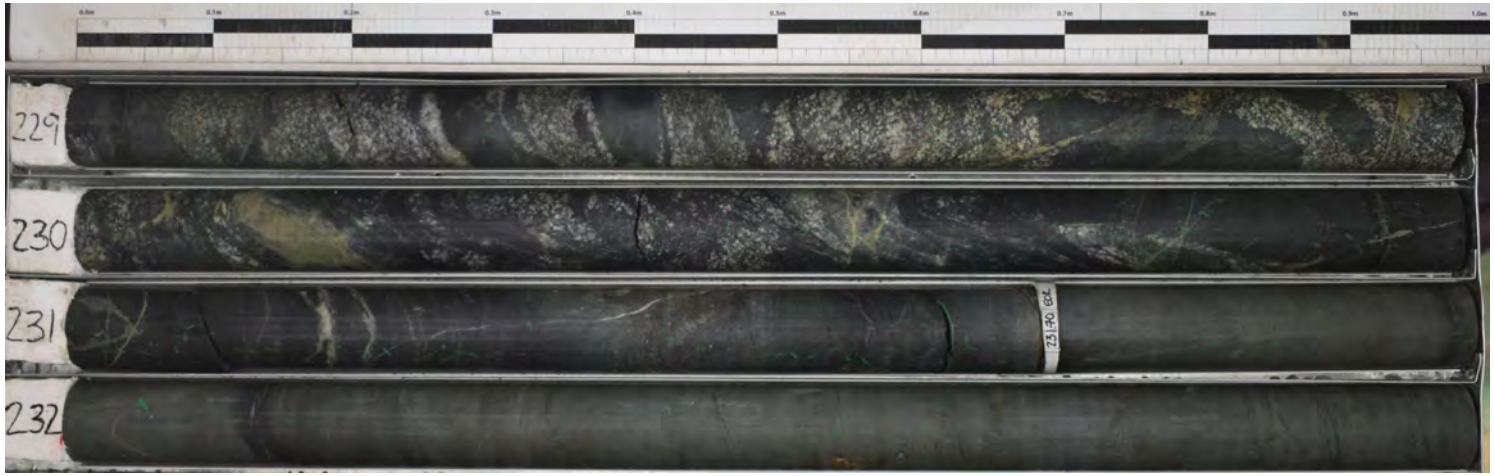
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 34/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:17 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 : BHUA-04 Depth Range: 225.00 - 229.00 m



PointID : BHUA-04 Depth Range: 229.00 - 233.00 m

wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 35/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:17 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 : BHUA-04 Depth Range: 233.00 - 237.00 m

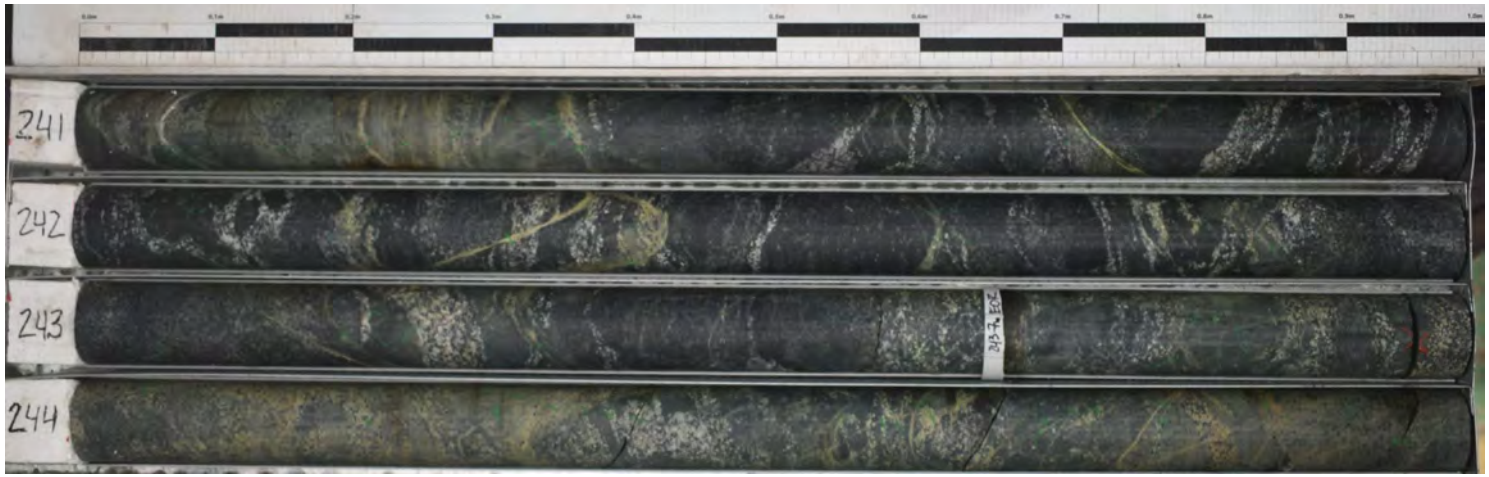


PointID : BHUA-04 Depth Range: 237.00 - 241.00 m

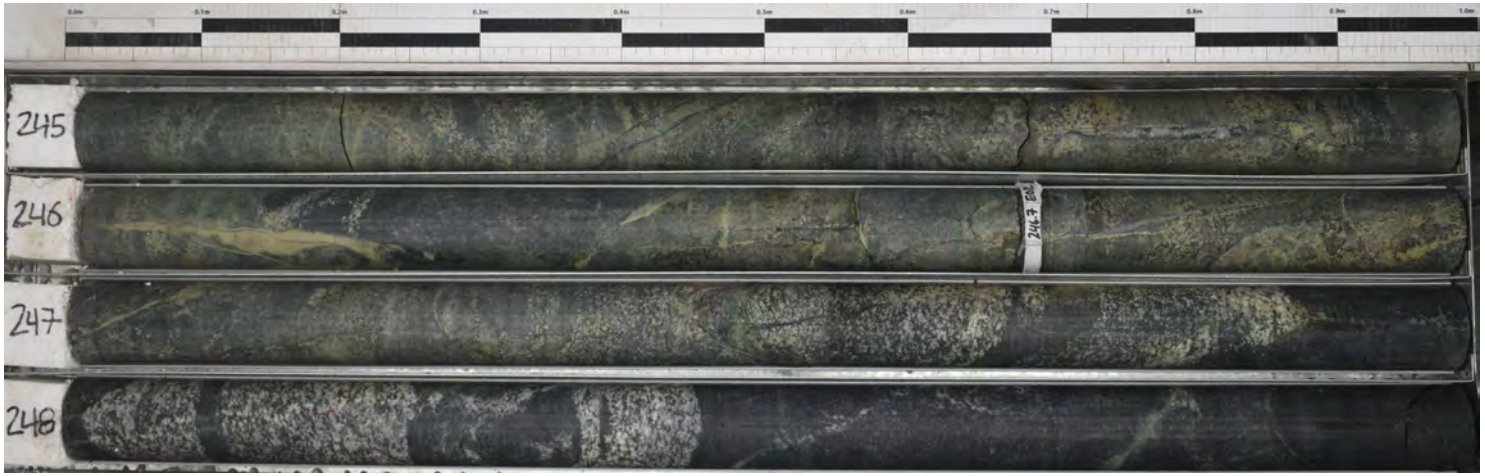
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 36/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:17 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 : BHUA-04 Depth Range: 241.00 - 245.00 m

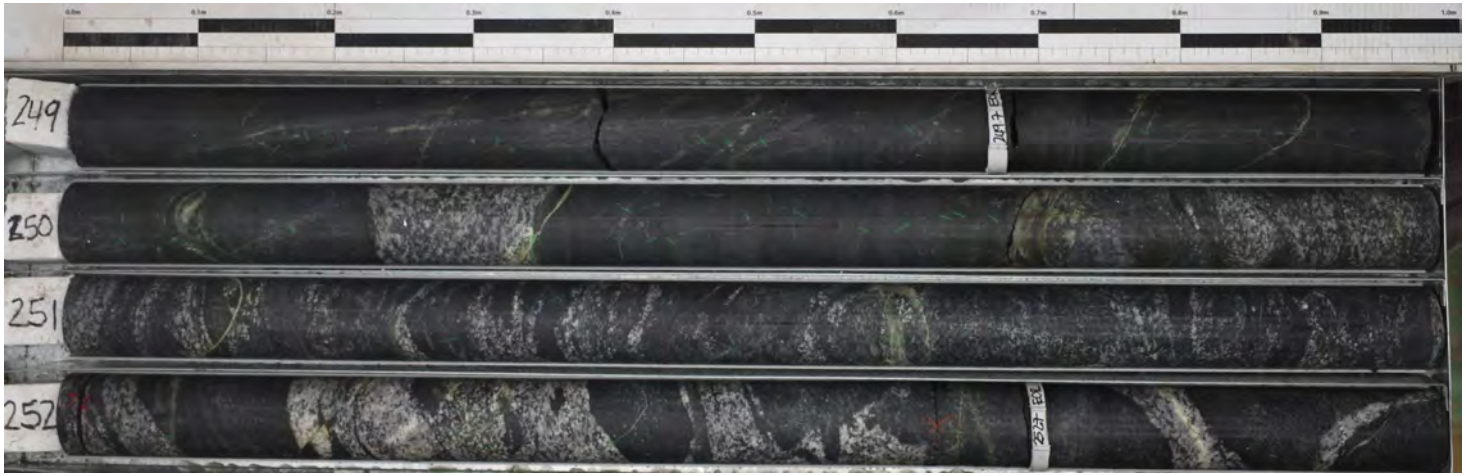


PointID : BHUA-04 Depth Range: 245.00 - 249.00 m

wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 37/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:17 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 : BHUA-04 Depth Range: 249.00 - 253.00 m

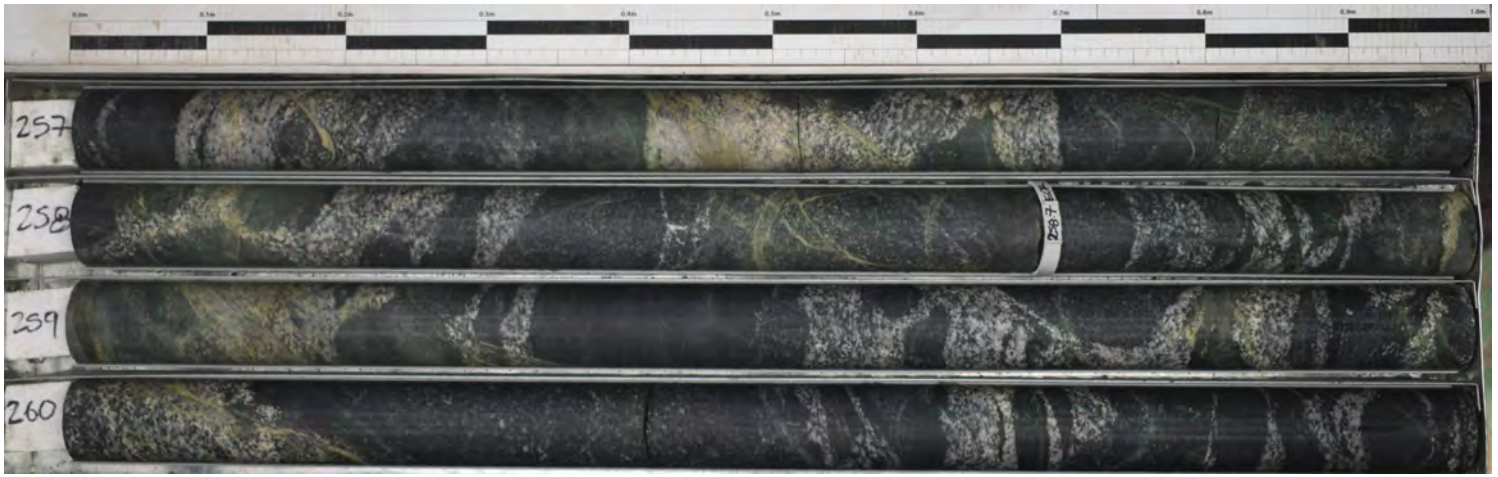


PointID : BHUA-04 Depth Range: 253.00 - 257.00 m

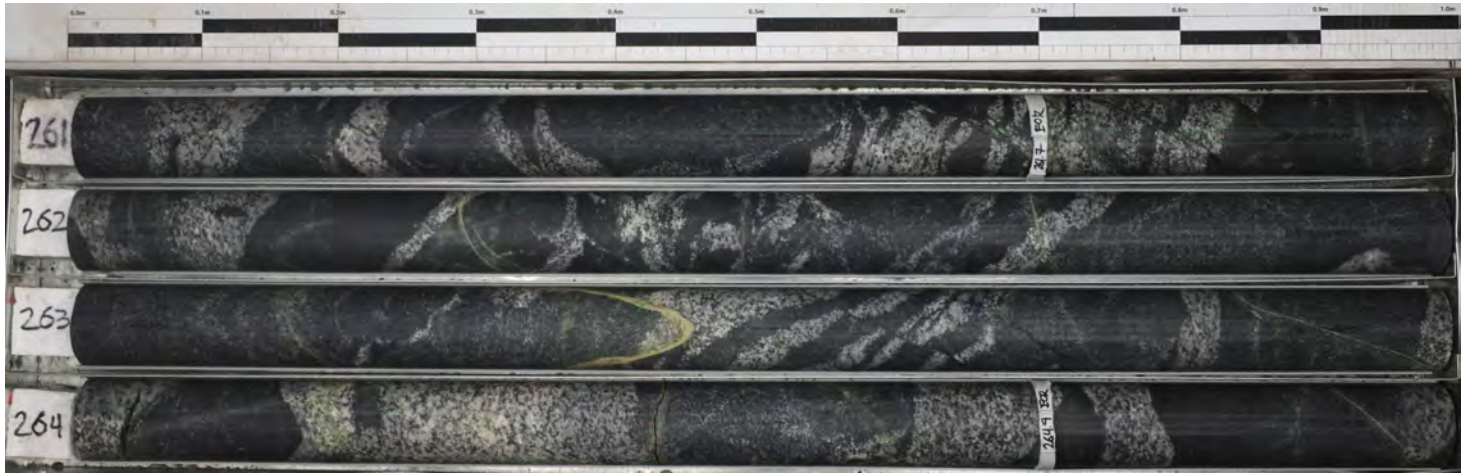
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 38/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:17 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 : BHUA-04 Depth Range: 257.00 - 261.00 m

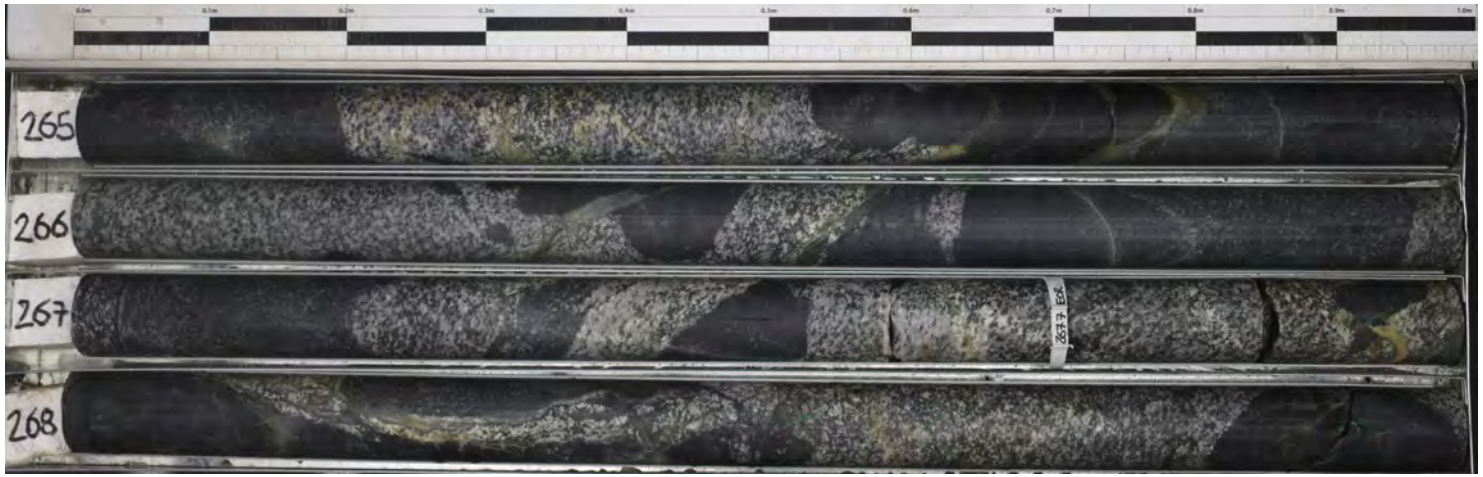


PointID : BHUA-04 Depth Range: 261.00 - 265.00 m

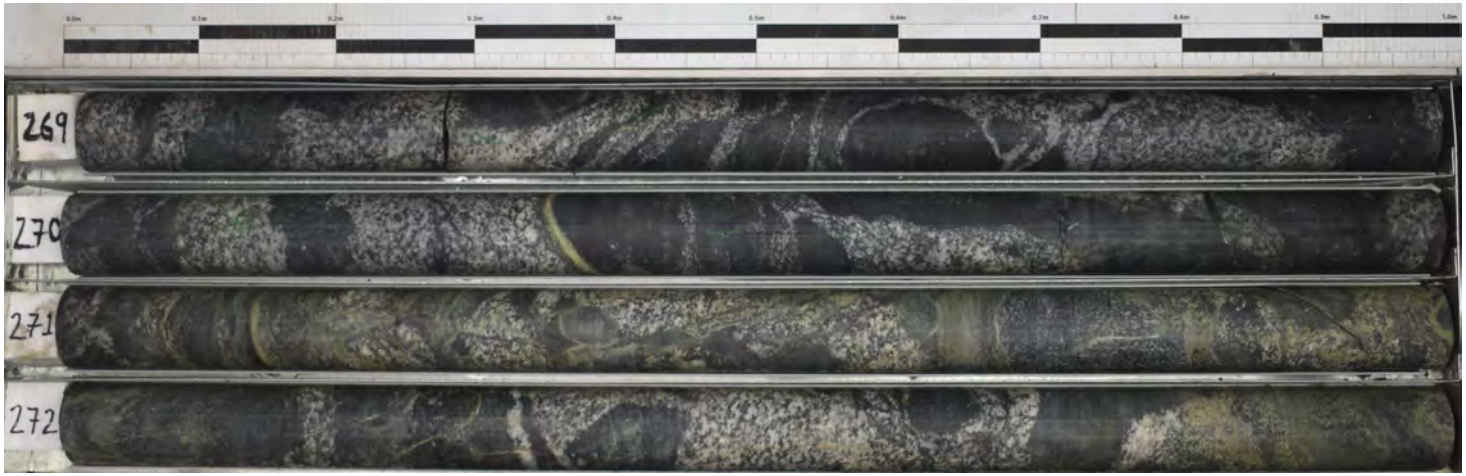
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 39/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:17 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 : BHUA-04 Depth Range: 265.00 - 269.00 m

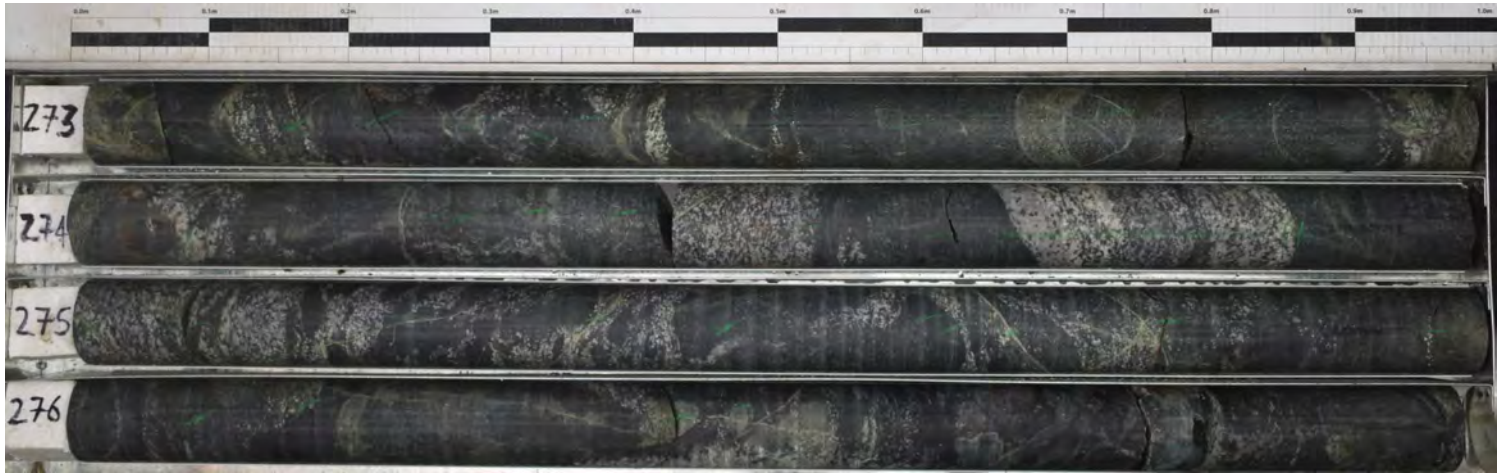


PointID : BHUA-04 Depth Range: 269.00 - 273.00 m

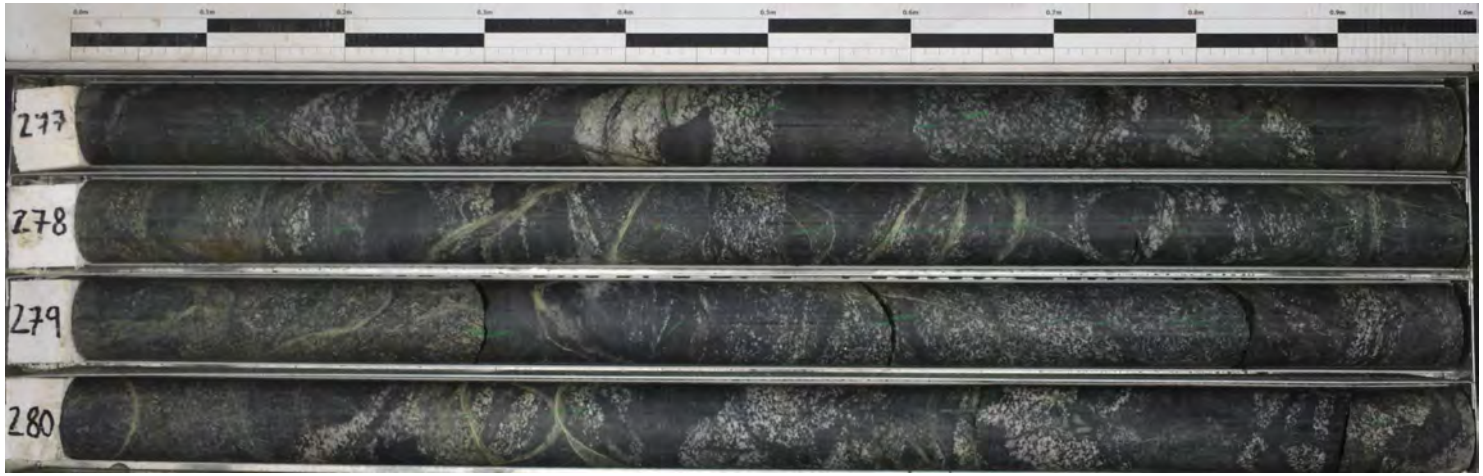
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 40/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:17 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 : BHUA-04 Depth Range: 273.00 - 277.00 m

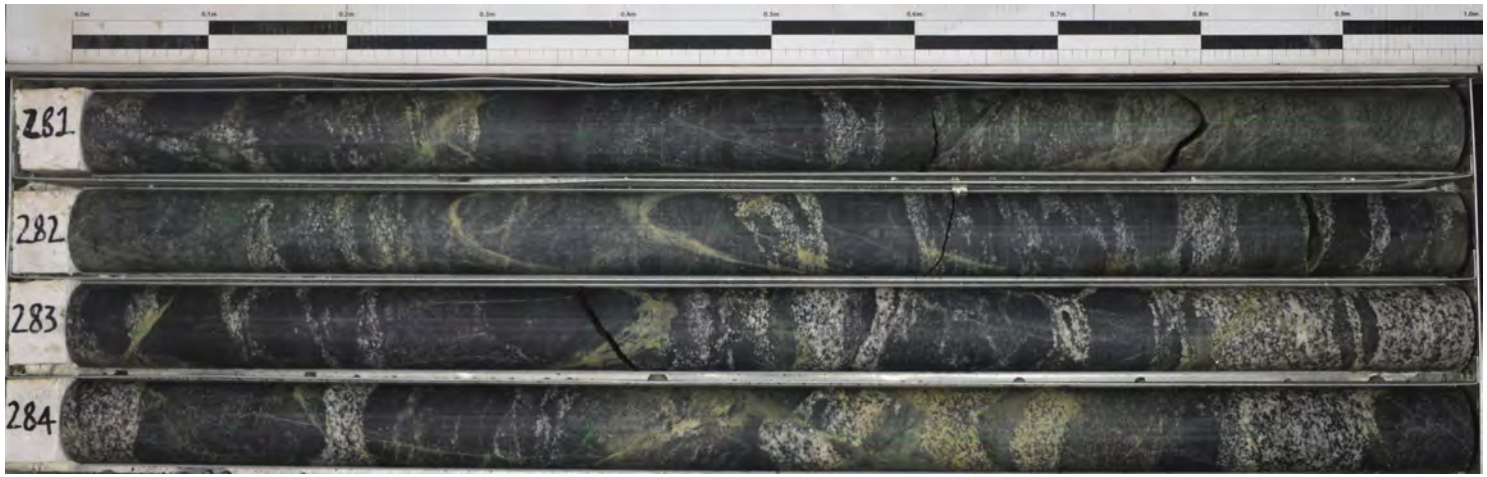


PointID : BHUA-04 Depth Range: 277.00 - 281.00 m

wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 41/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:17 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 : BHUA-04 Depth Range: 281.00 - 285.00 m



PointID : BHUA-04 Depth Range: 285.00 - 289.00 m

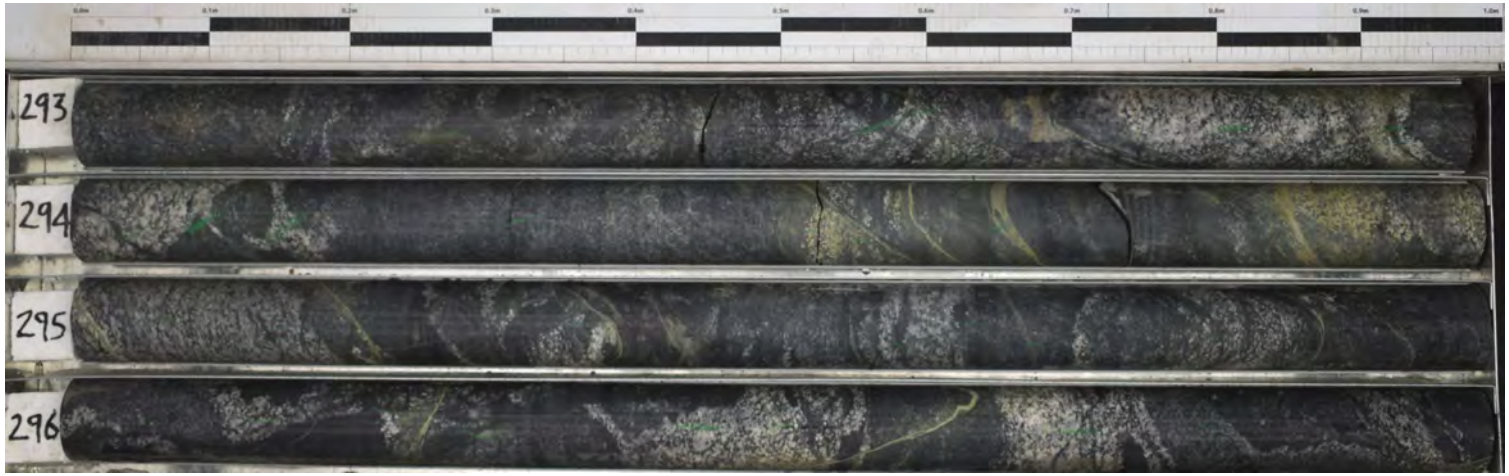
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 42/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:17 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 : BHUA-04 Depth Range: 289.00 - 293.00 m

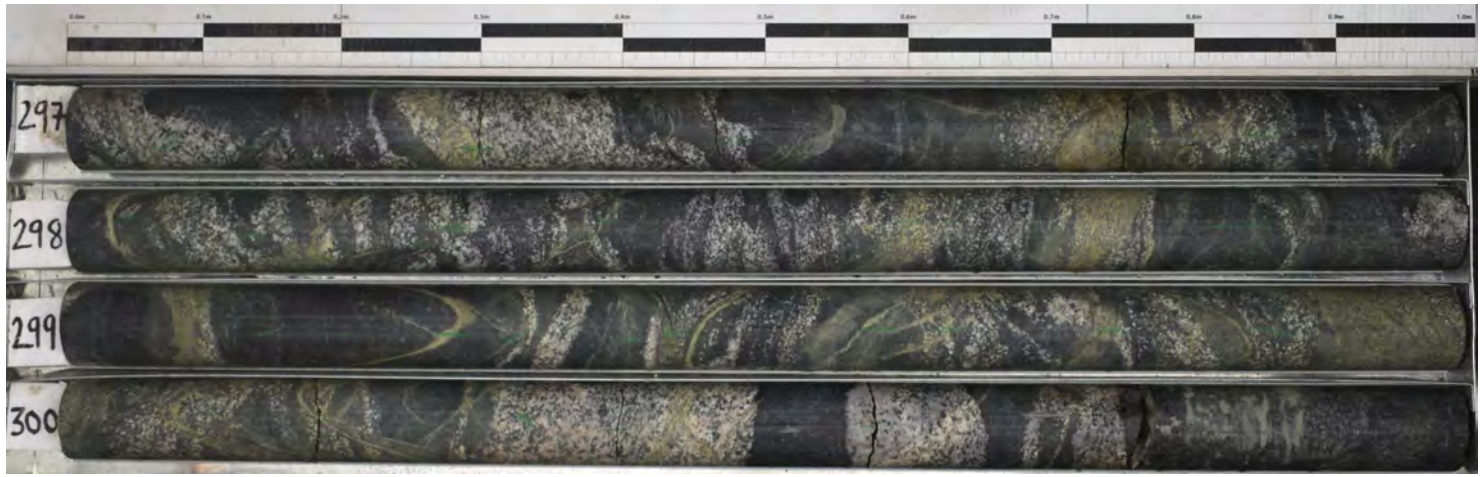


PointID : BHUA-04 Depth Range: 293.00 - 297.00 m

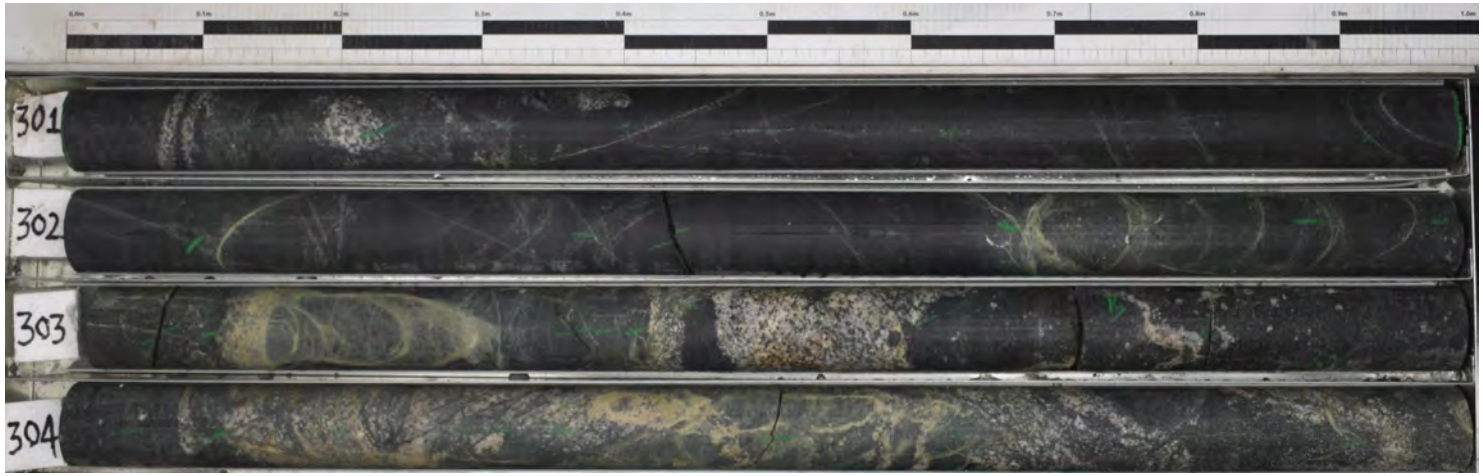
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 43/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:18 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 : BHUA-04 Depth Range: 297.00 - 301.00 m

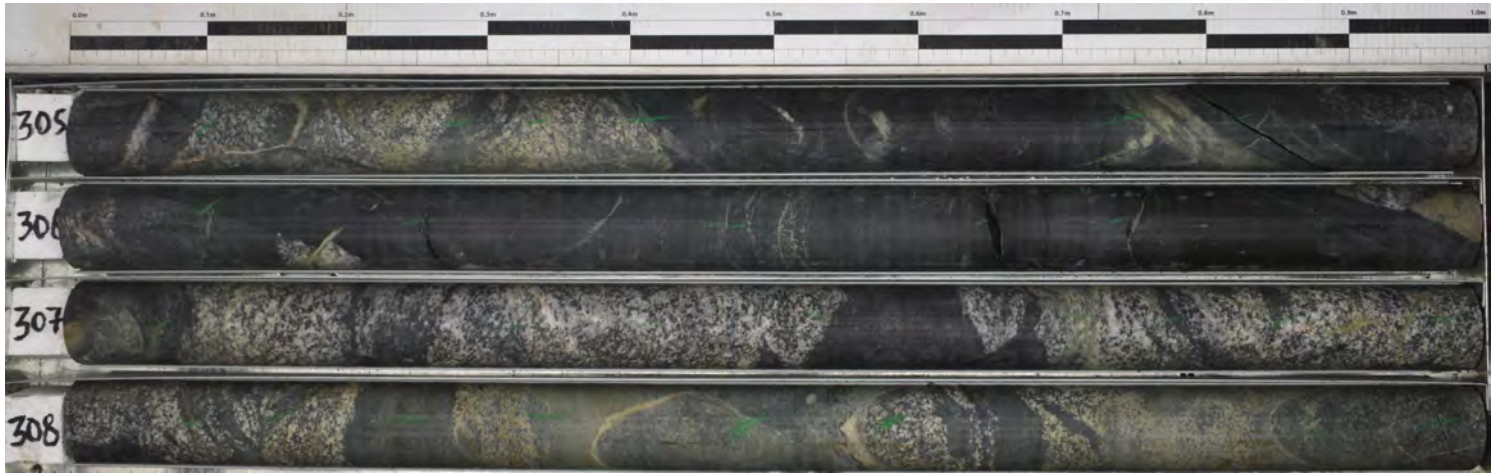


PointID : BHUA-04 Depth Range: 301.00 - 305.00 m

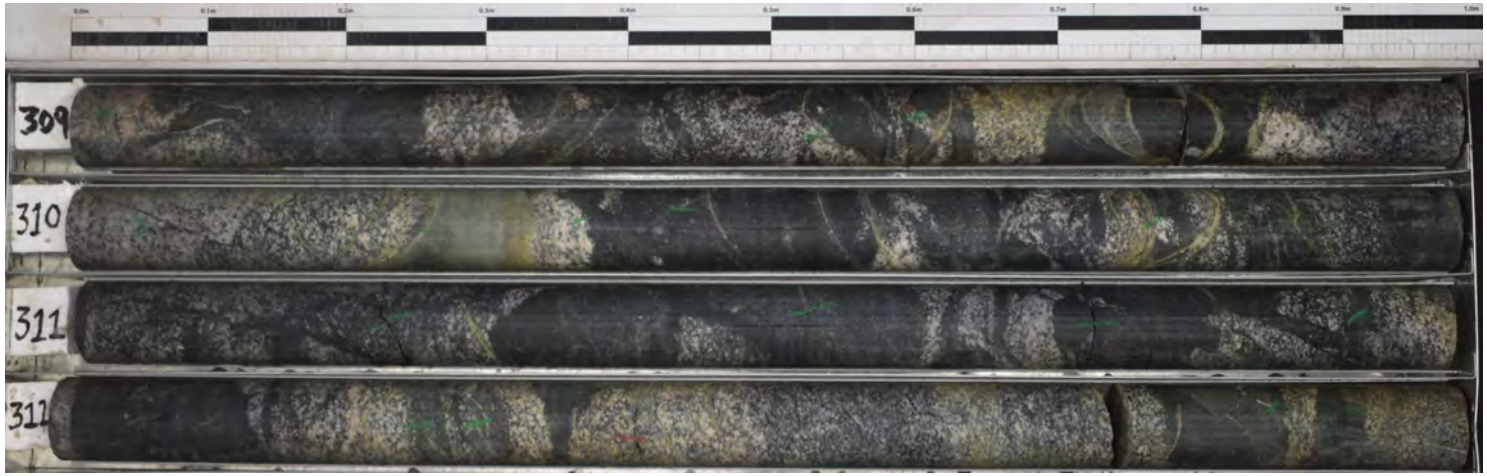
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 44/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:18 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 : BHUA-04 Depth Range: 305.00 - 309.00 m

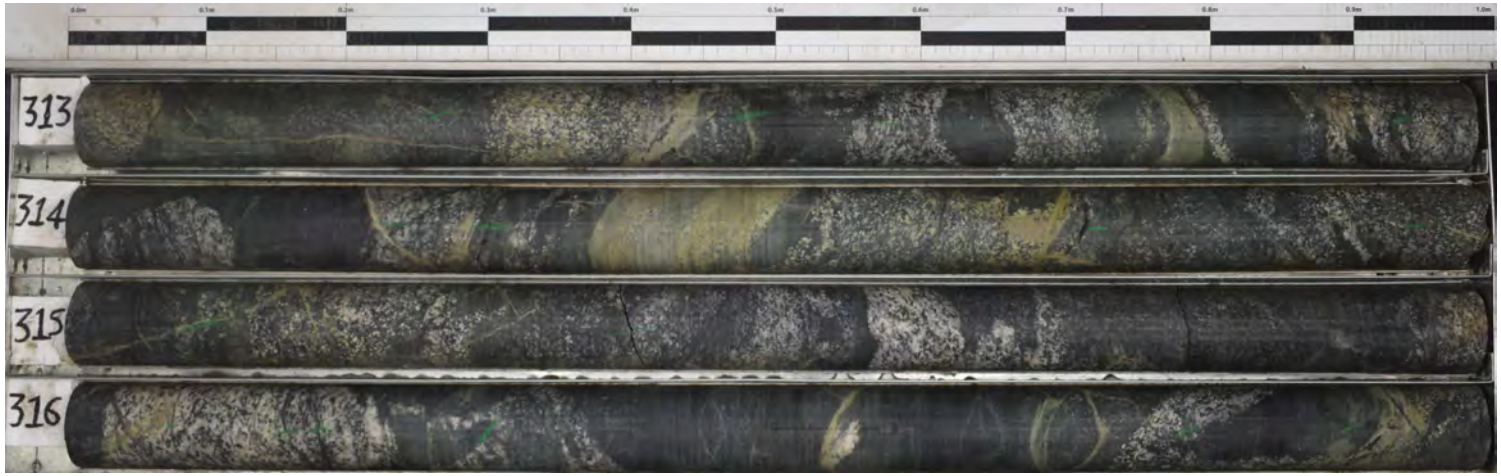


PointID : BHUA-04 Depth Range: 309.00 - 313.00 m

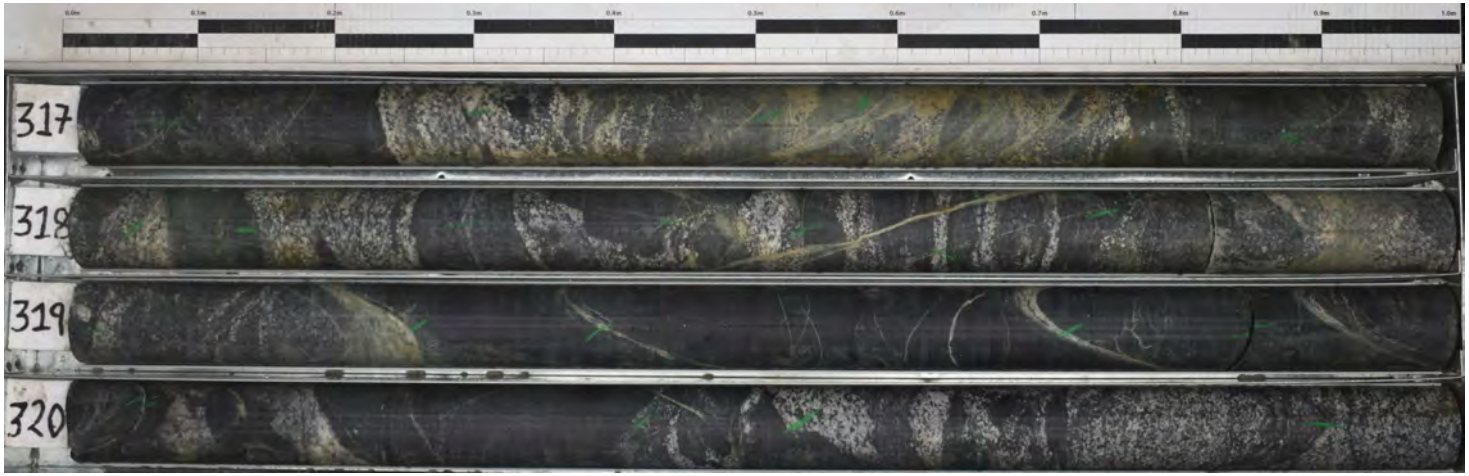
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 45/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:18 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 : BHUA-04 Depth Range: 313.00 - 317.00 m



PointID : BHUA-04 Depth Range: 317.00 - 321.00 m

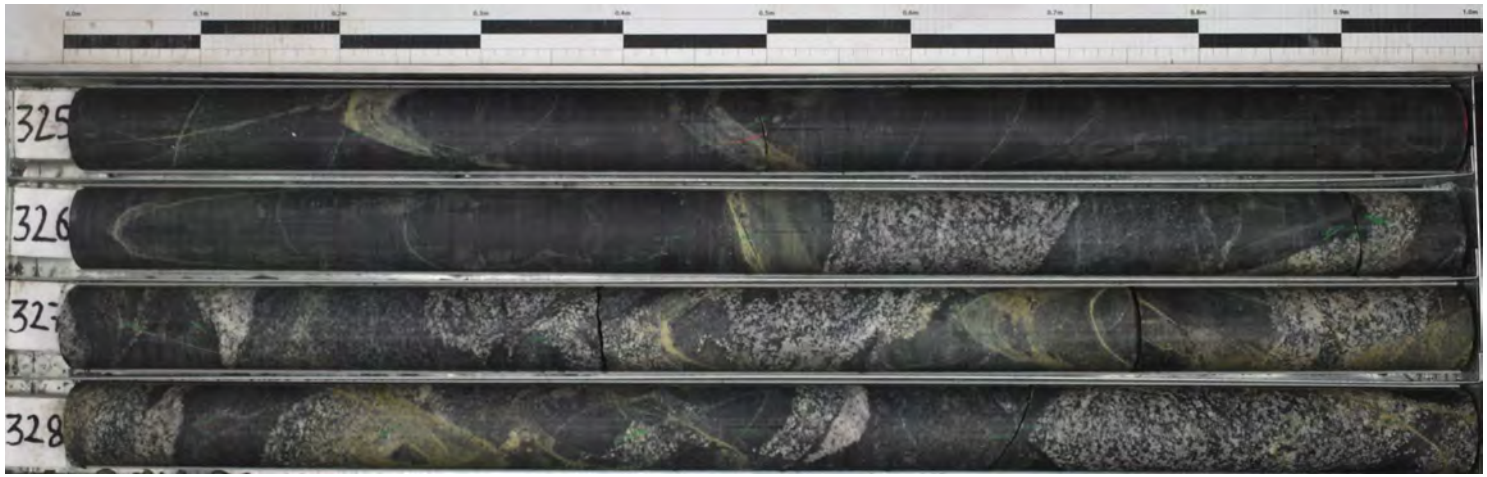
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 46/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:18 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 : BHUA-04 Depth Range: 321.00 - 325.00 m

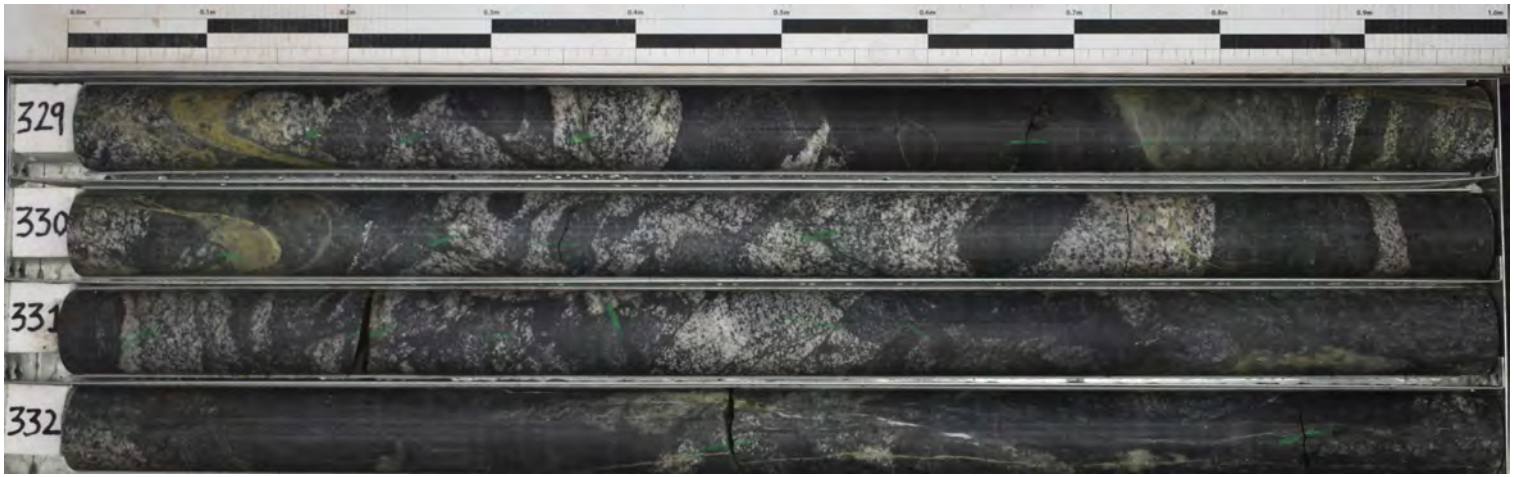


PointID : BHUA-04 Depth Range: 325.00 - 329.00 m

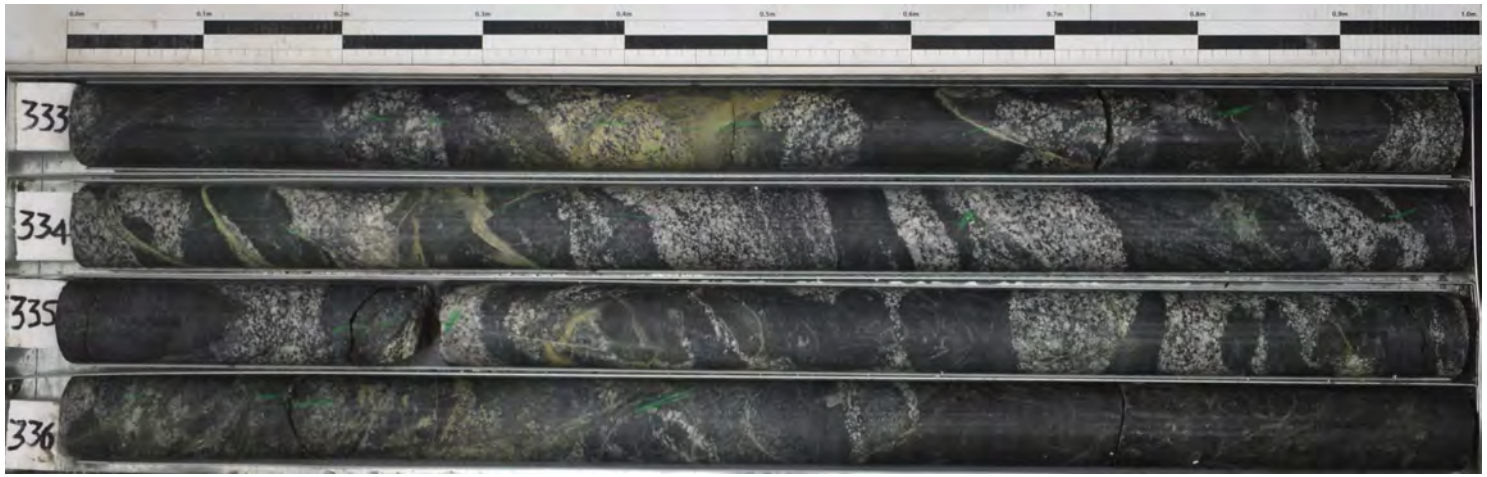
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 47/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:18 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 : BHUA-04 Depth Range: 329.00 - 333.00 m

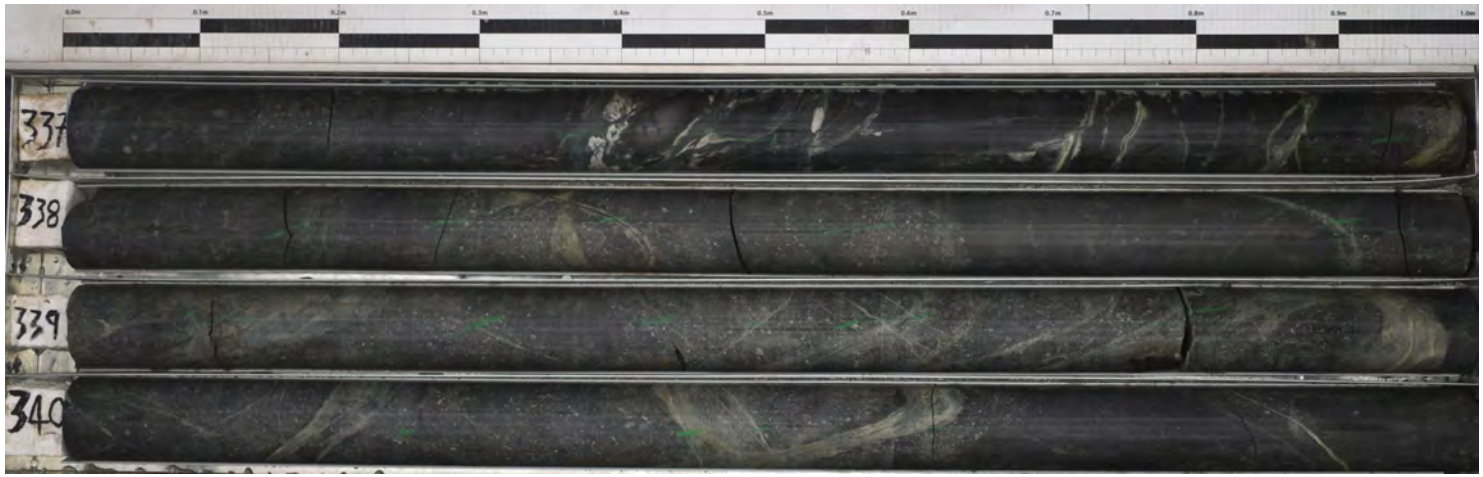


PointID : BHUA-04 Depth Range: 333.00 - 337.00 m

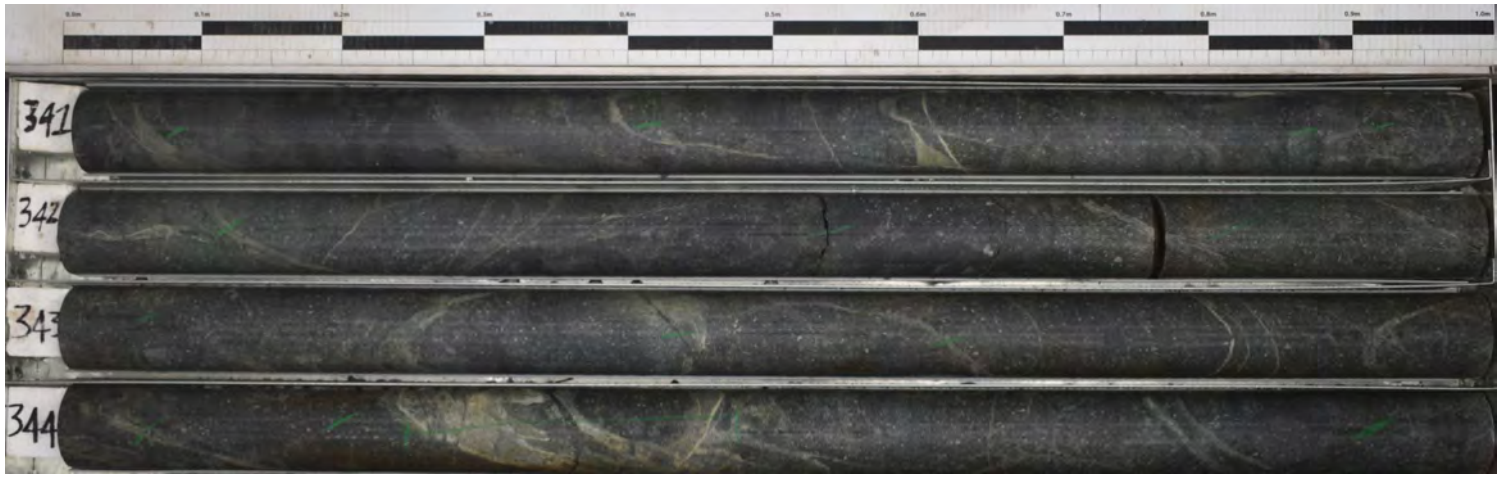
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 48/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:18 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 : BHUA-04 Depth Range: 337.00 - 341.00 m



PointID : BHUA-04 Depth Range: 341.00 - 345.00 m

wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 49/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:18 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 : BHUA-04 Depth Range: 345.00 - 349.00 m

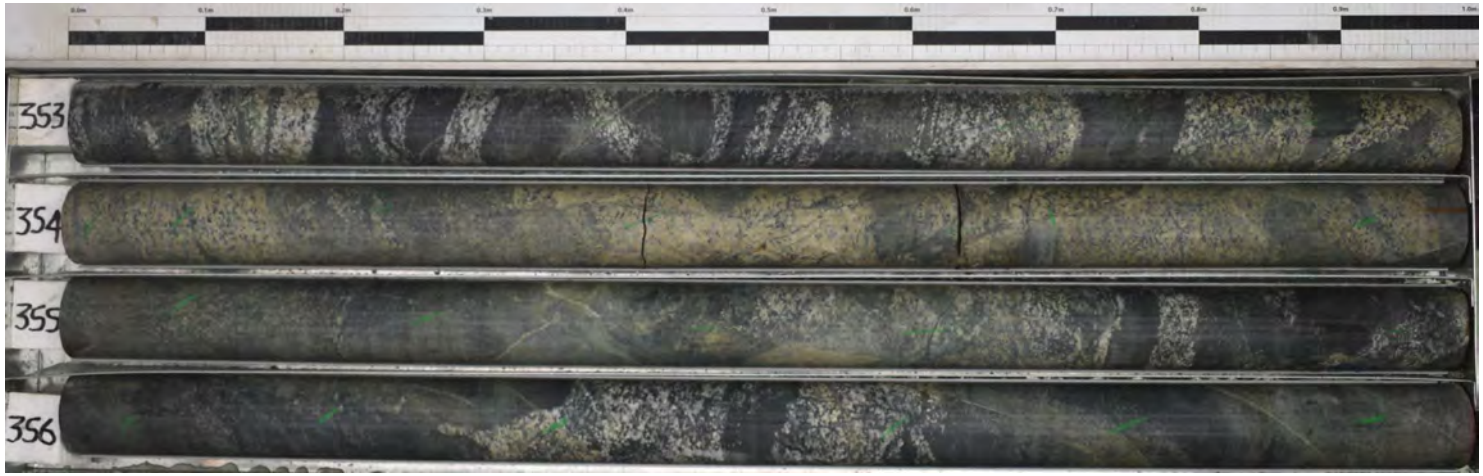


PointID : BHUA-04 Depth Range: 349.00 - 353.00 m

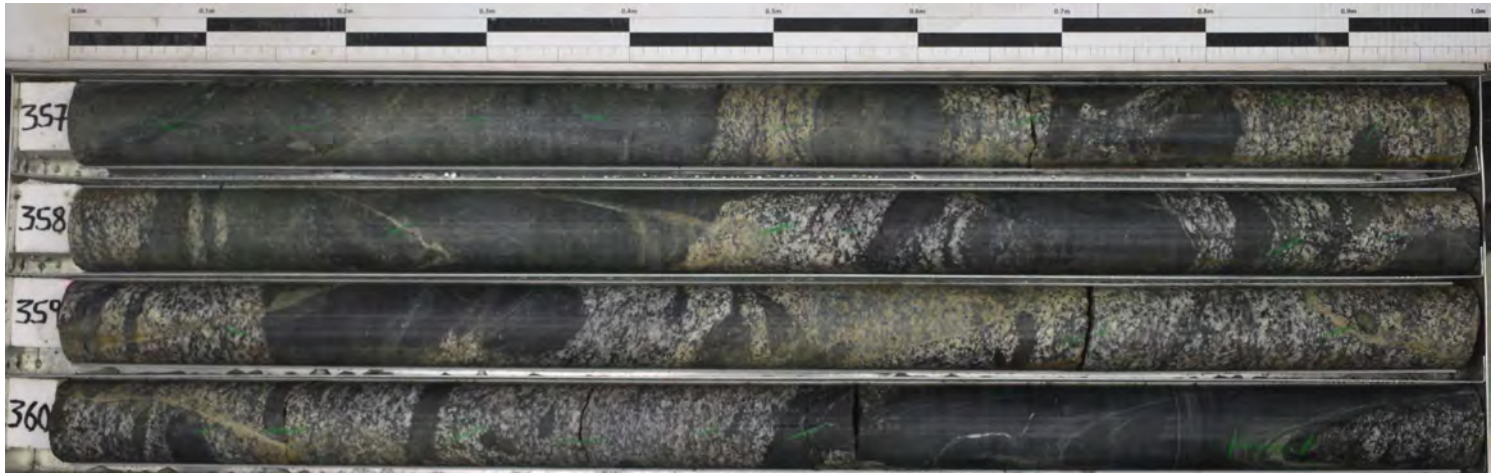
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 50/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:20 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 : BHUA-04 Depth Range: 353.00 - 357.00 m

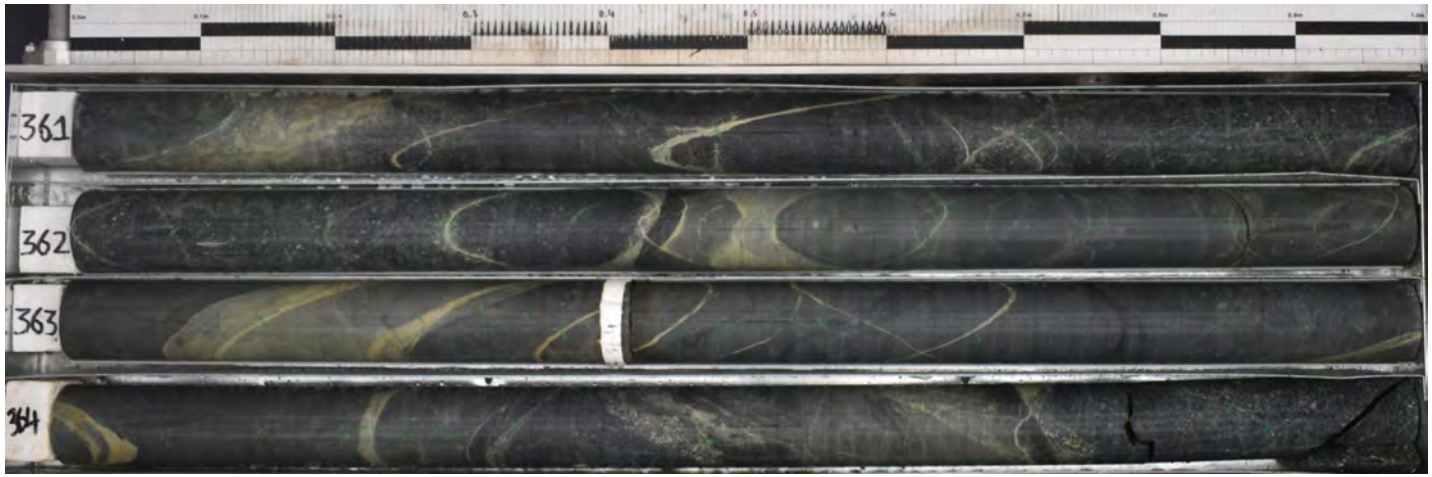


PointID : BHUA-04 Depth Range: 357.00 - 361.00 m

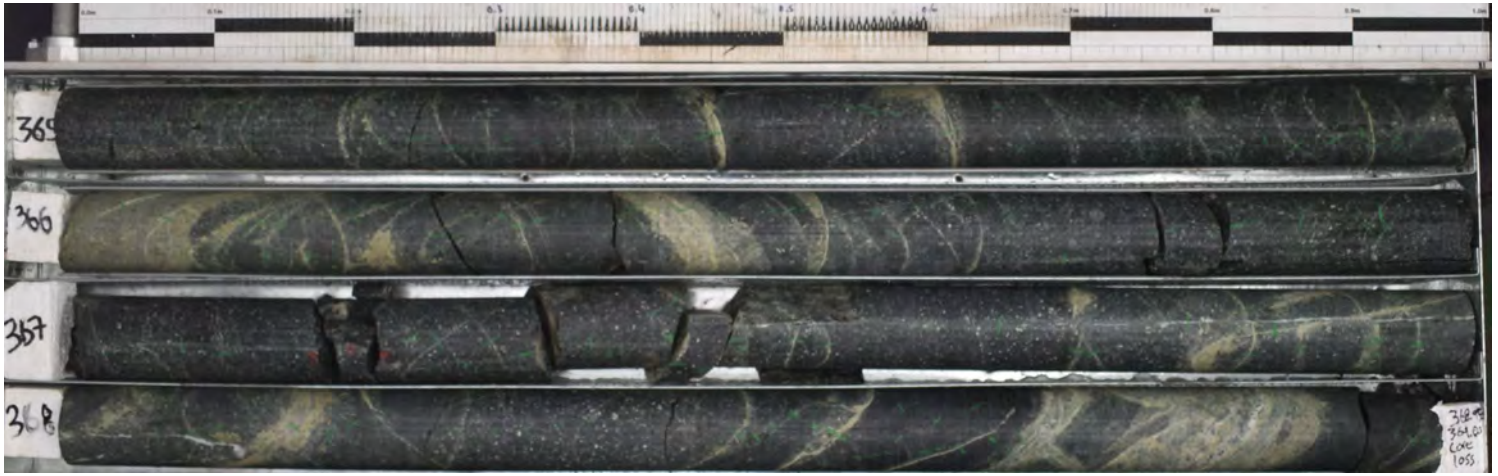
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 51/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:20 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 : BHUA-04 Depth Range: 361.00 - 365.00 m



PointID : BHUA-04 Depth Range: 365.00 - 369.00 m

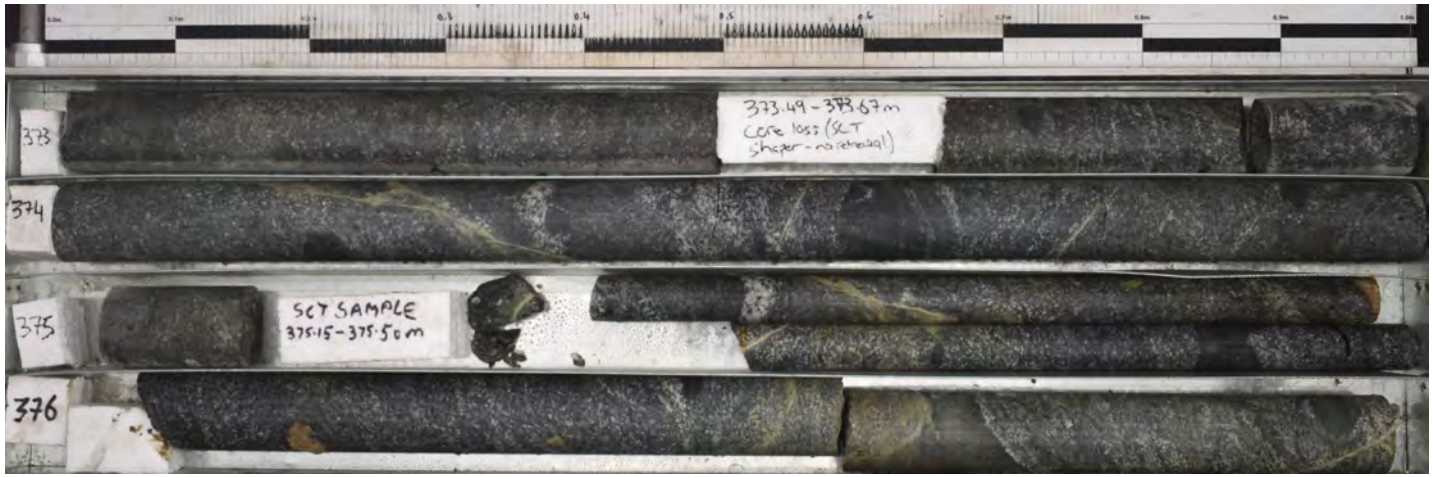
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 52/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:20 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 : BHUA-04 Depth Range: 369.00 - 373.00 m

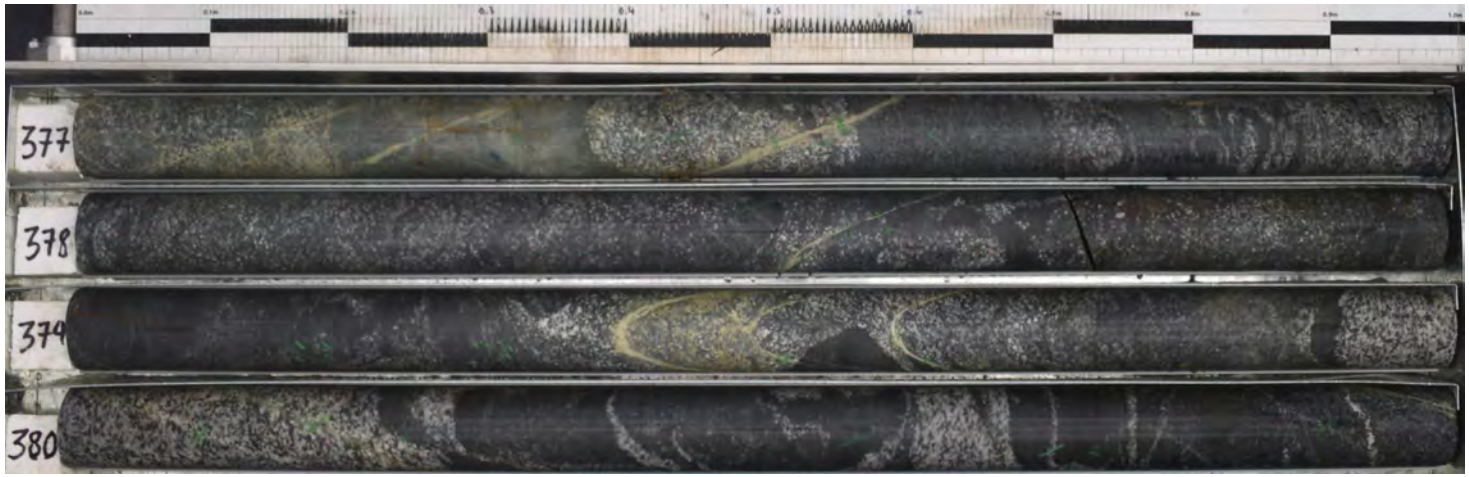


PointID : BHUA-04 Depth Range: 373.00 - 377.00 m

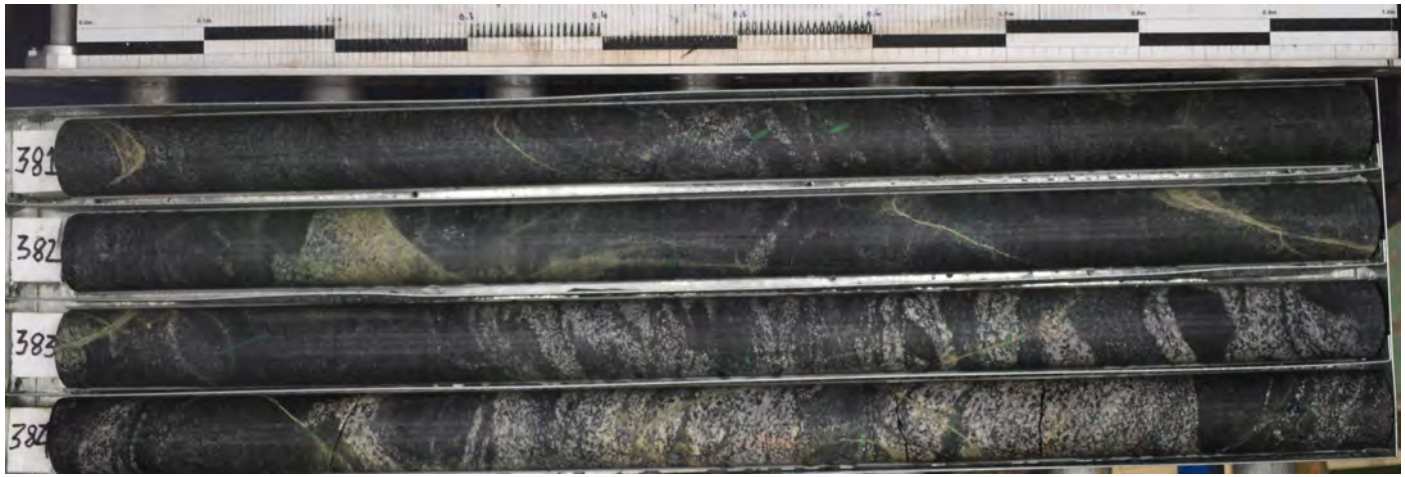
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 53/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:20 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 : BHUA-04 Depth Range: 377.00 - 381.00 m

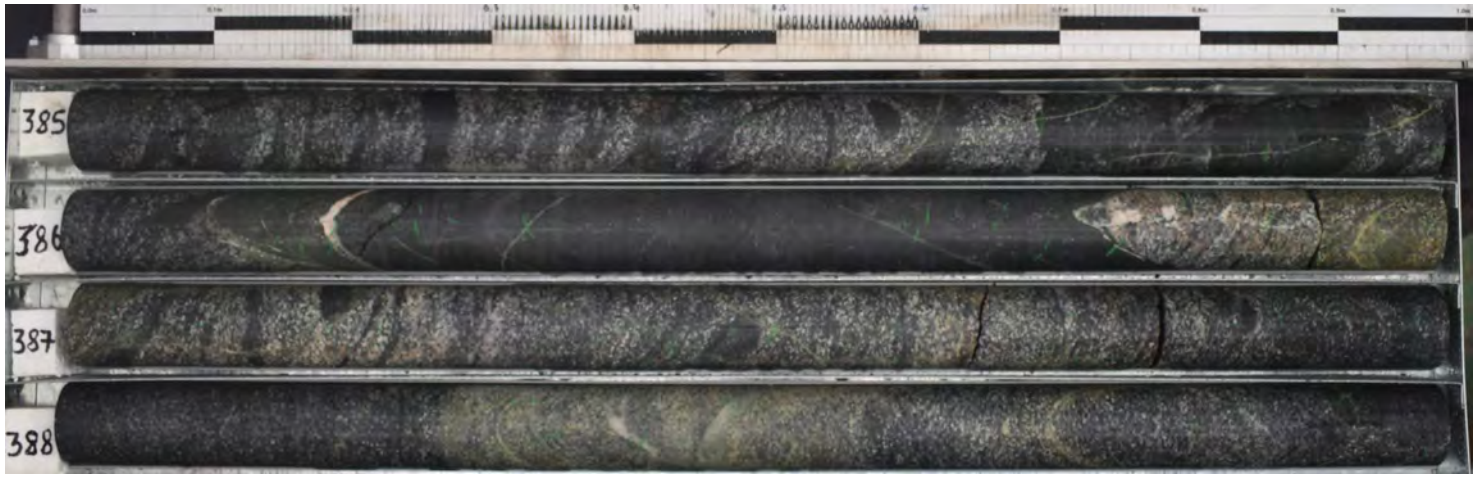


PointID : BHUA-04 Depth Range: 381.00 - 385.00 m

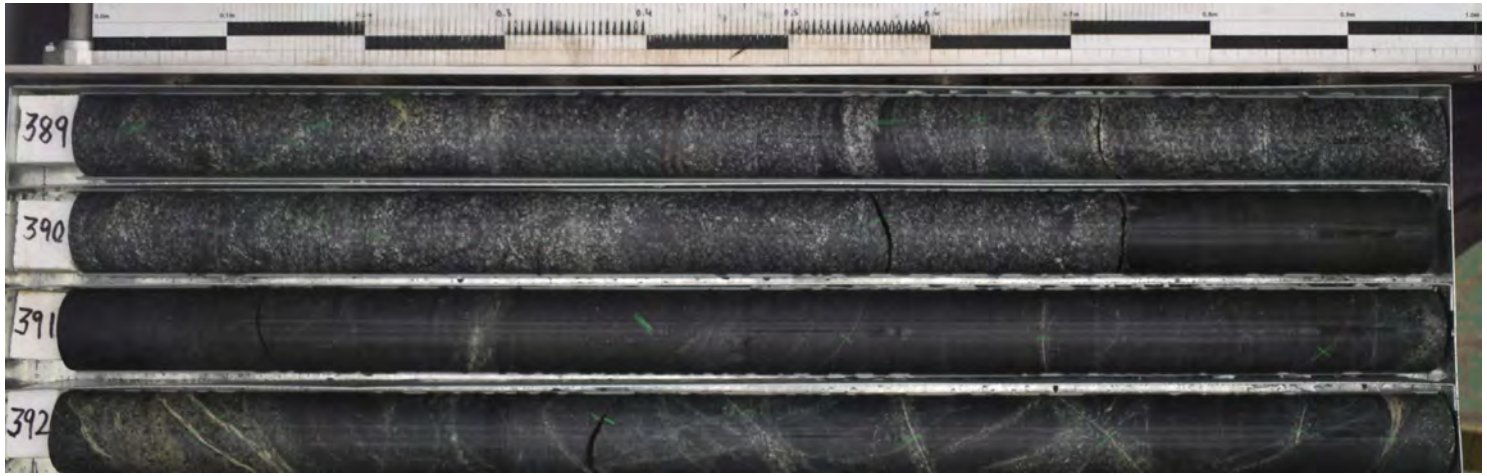
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 54/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:20 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 : BHUA-04 Depth Range: 385.00 - 389.00 m

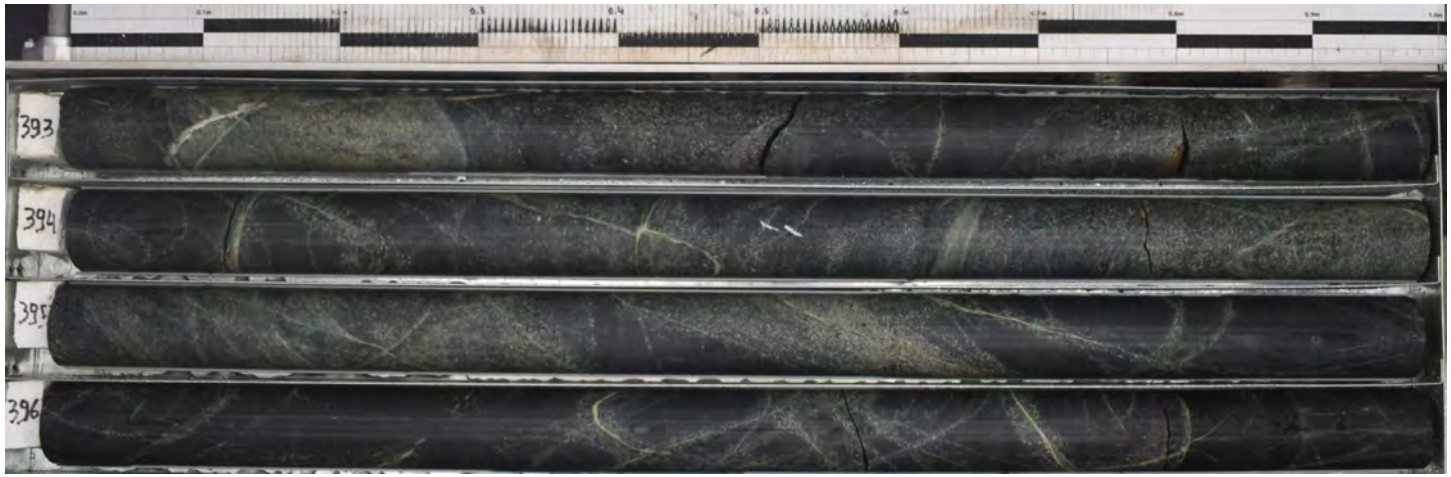


PointID : BHUA-04 Depth Range: 389.00 - 393.00 m

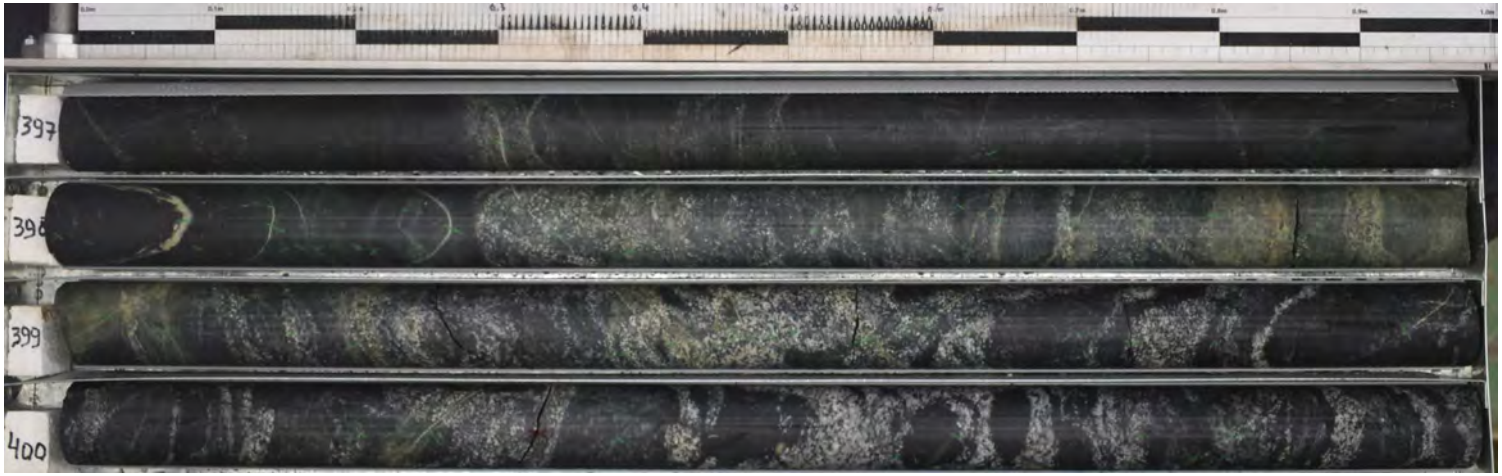
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 55/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:20 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 : BHUA-04 Depth Range: 393.00 - 397.00 m

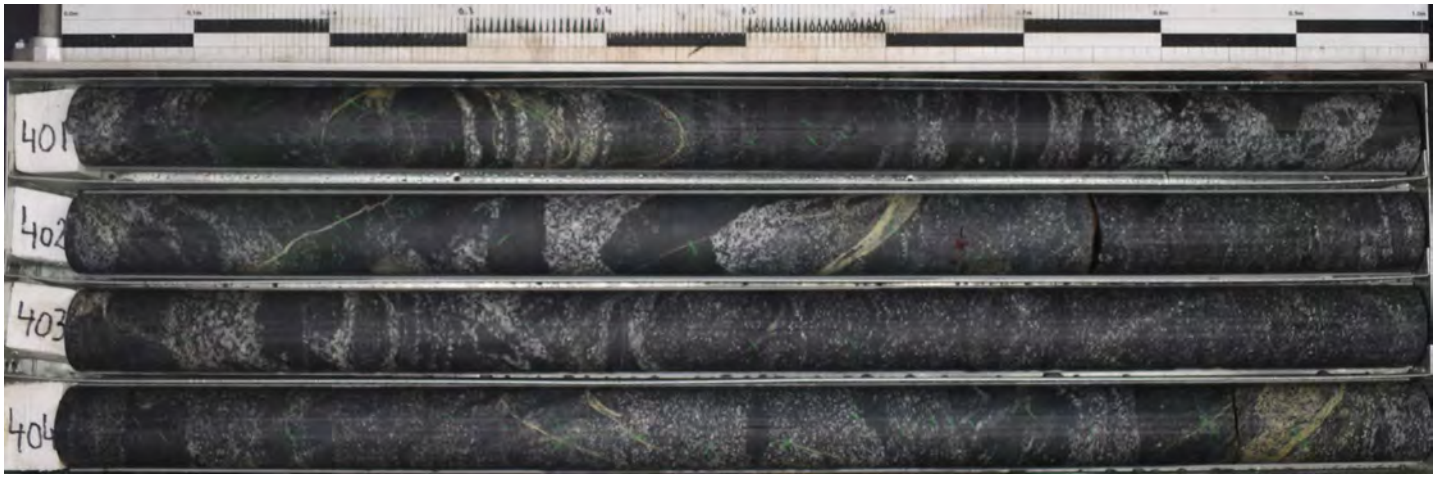


PointID : BHUA-04 Depth Range: 397.00 - 401.00 m

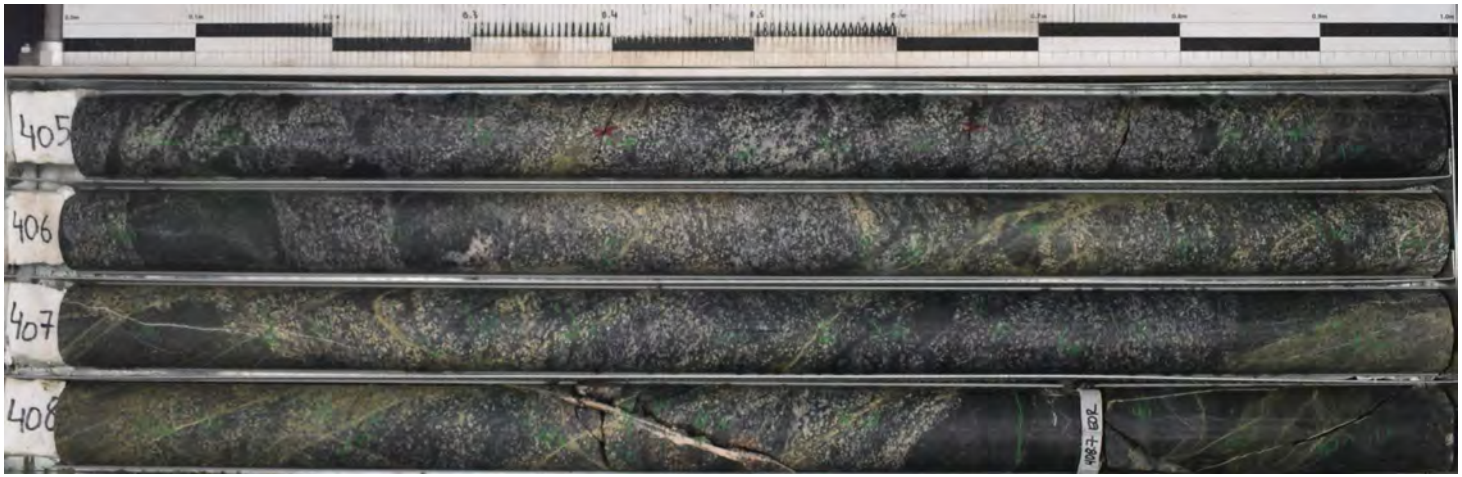
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 56/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:21 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 : BHUA-04 Depth Range: 401.00 - 405.00 m

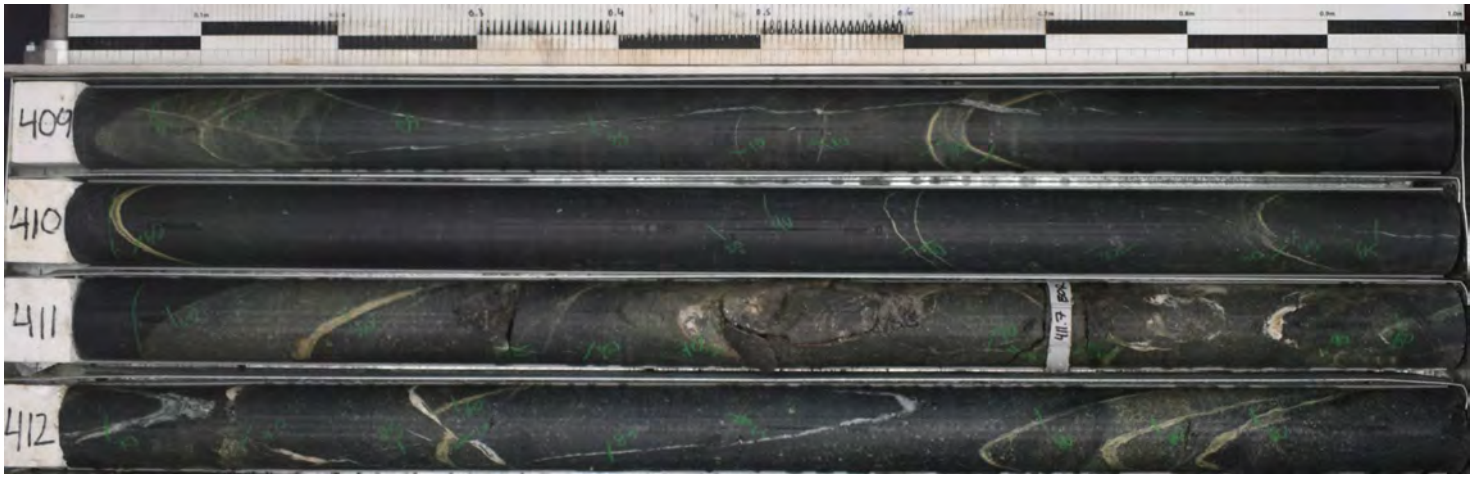


PointID : BHUA-04 Depth Range: 405.00 - 409.00 m

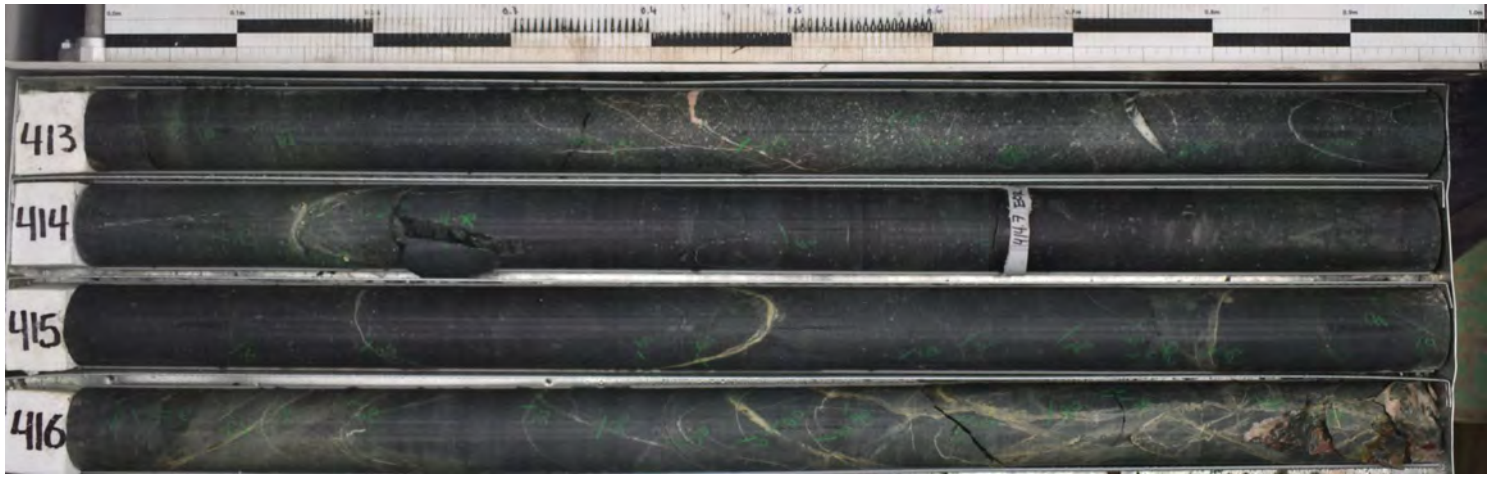
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 57/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:21 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 : BHUA-04 Depth Range: 409.00 - 413.00 m

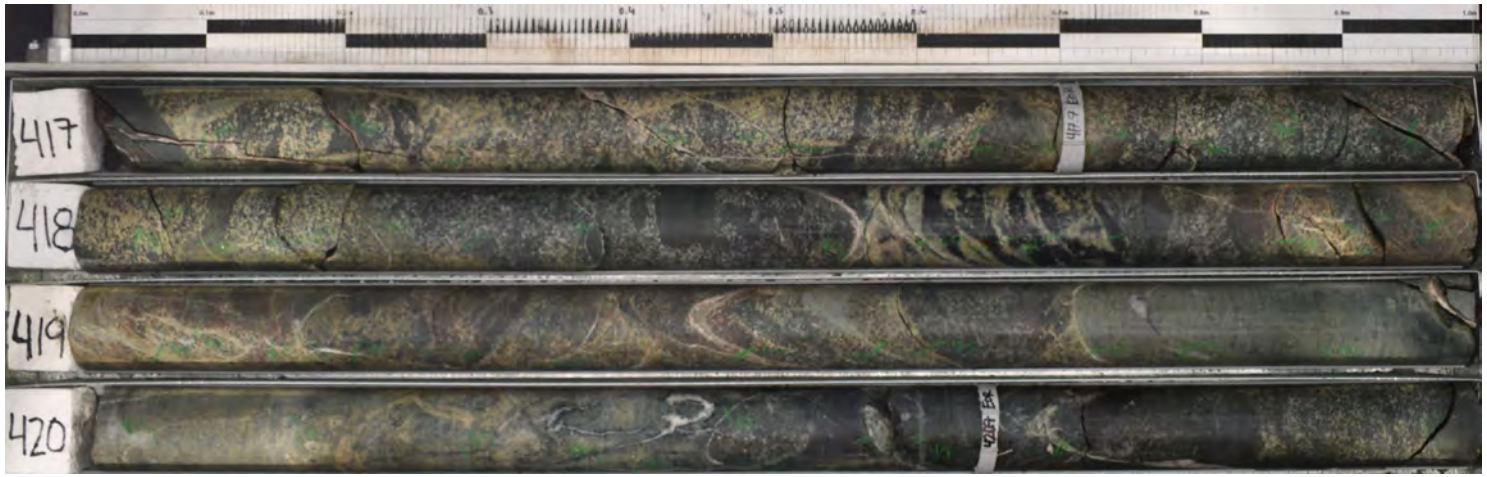


PointID : BHUA-04 Depth Range: 413.00 - 417.00 m

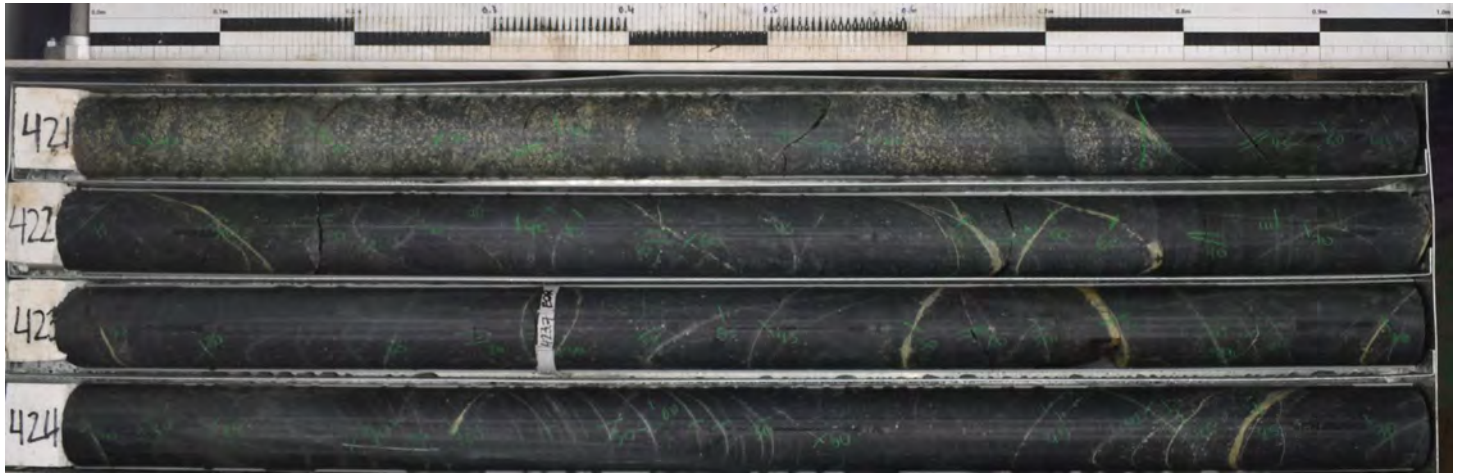
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 58/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:21 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 : BHUA-04 Depth Range: 417.00 - 421.00 m

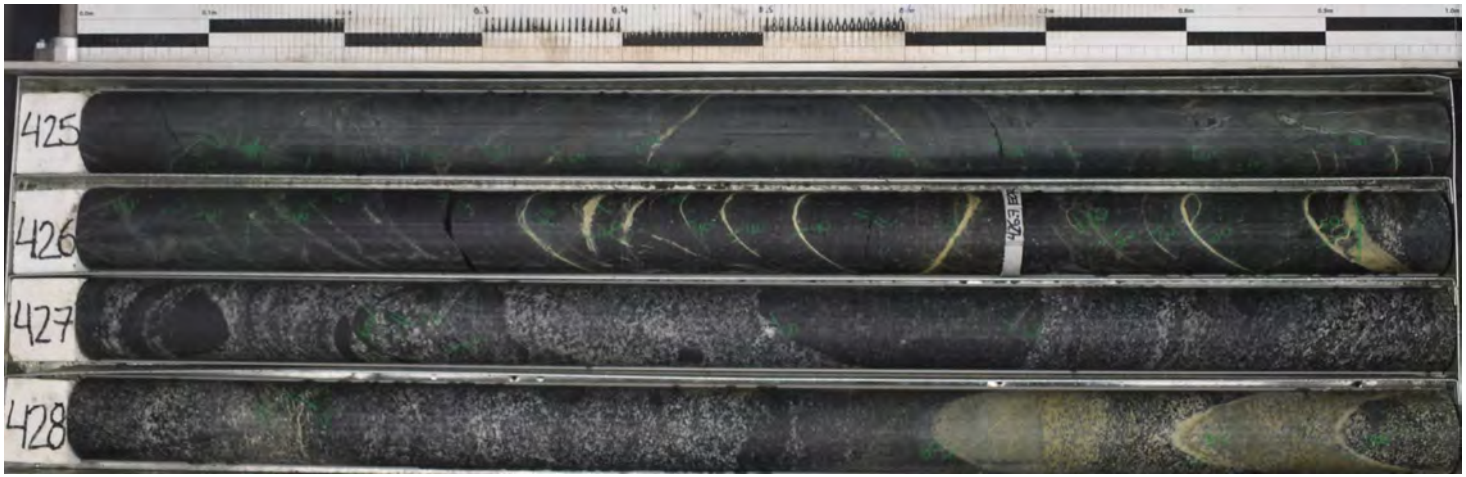


PointID : BHUA-04 Depth Range: 421.00 - 425.00 m

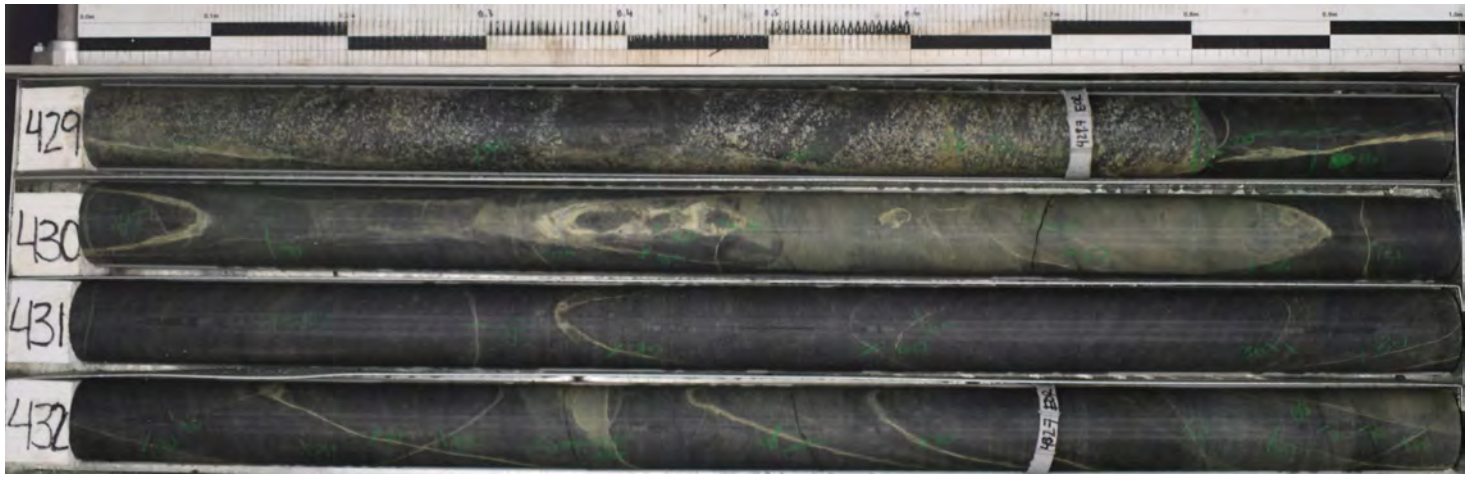
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 59/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:21 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 : BHUA-04 Depth Range: 425.00 - 429.00 m

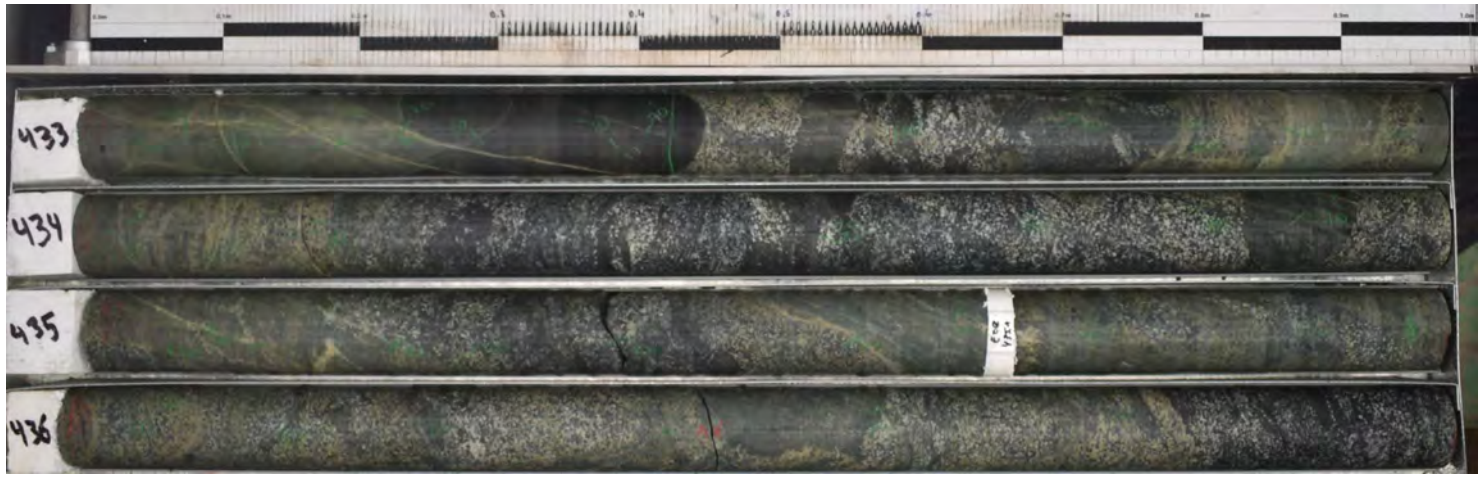


PointID : BHUA-04 Depth Range: 429.00 - 433.00 m

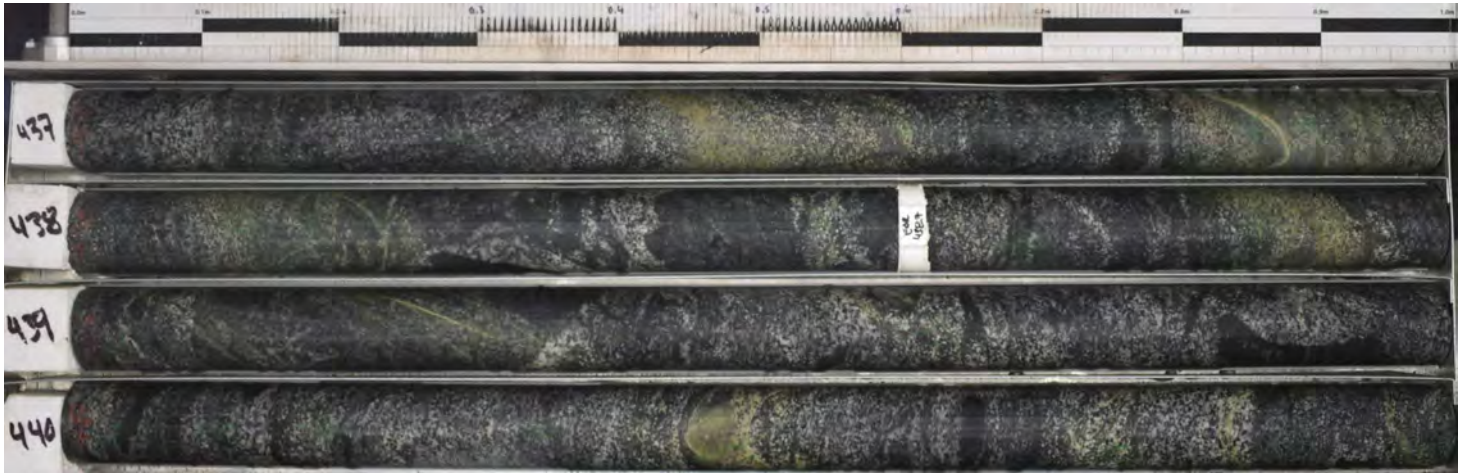
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 60/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:21 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 : BHUA-04 Depth Range: 433.00 - 437.00 m



PointID : BHUA-04 Depth Range: 437.00 - 441.00 m

wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 61/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:21 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 : BHUA-04 Depth Range: 441.00 - 445.00 m

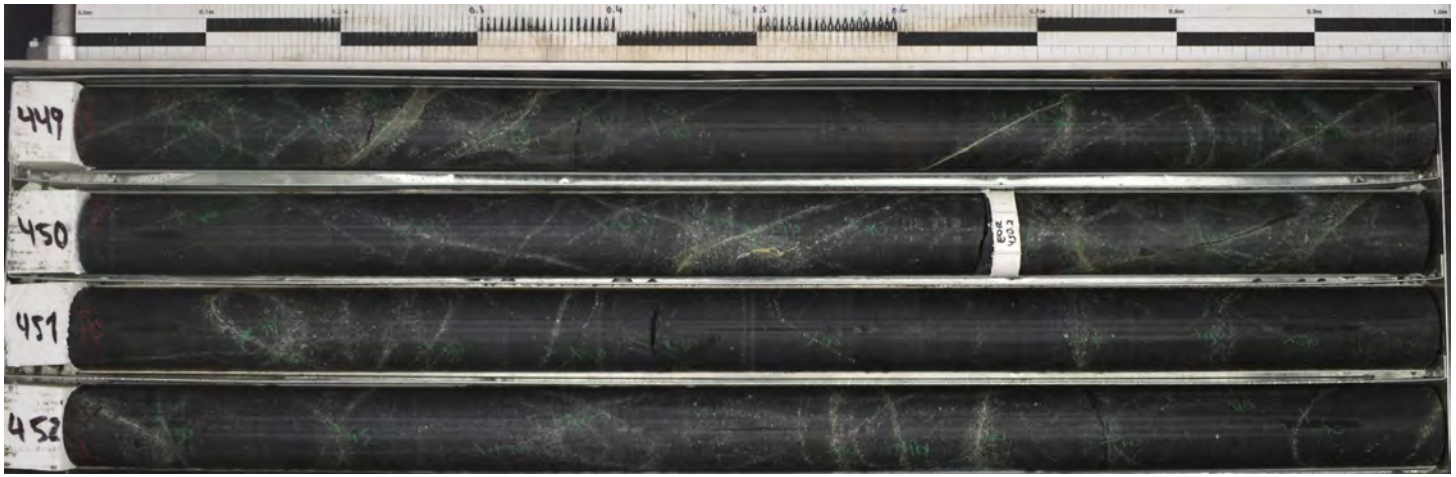


PointID : BHUA-04 Depth Range: 445.00 - 449.00 m

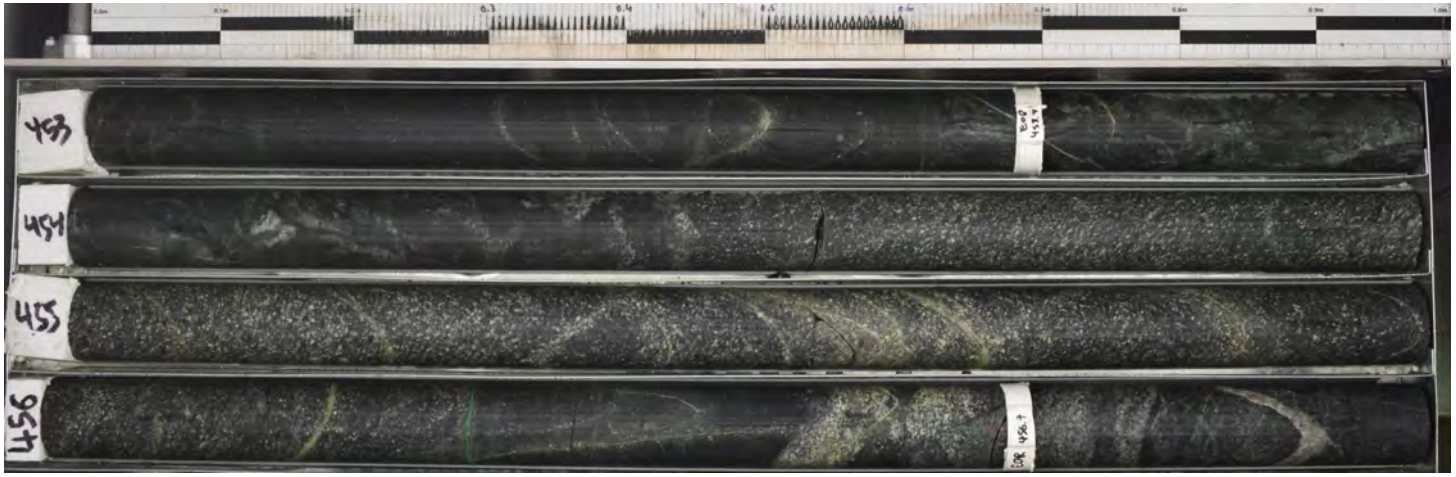
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 62/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:21 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 : BHUA-04 Depth Range: 449.00 - 453.00 m

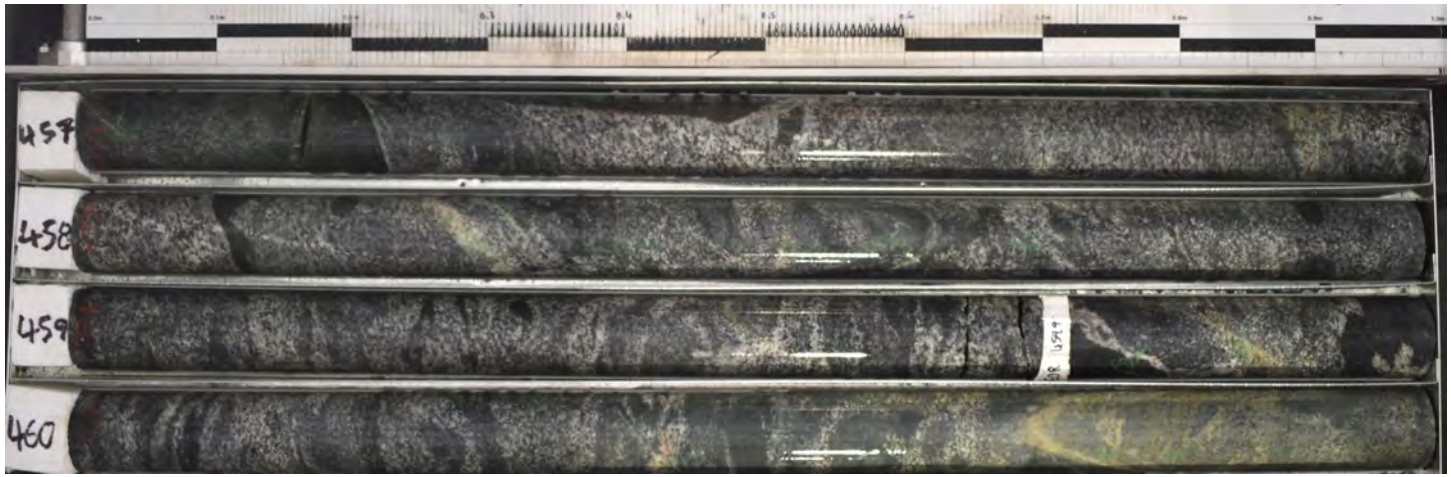


PointID : BHUA-04 Depth Range: 453.00 - 457.00 m

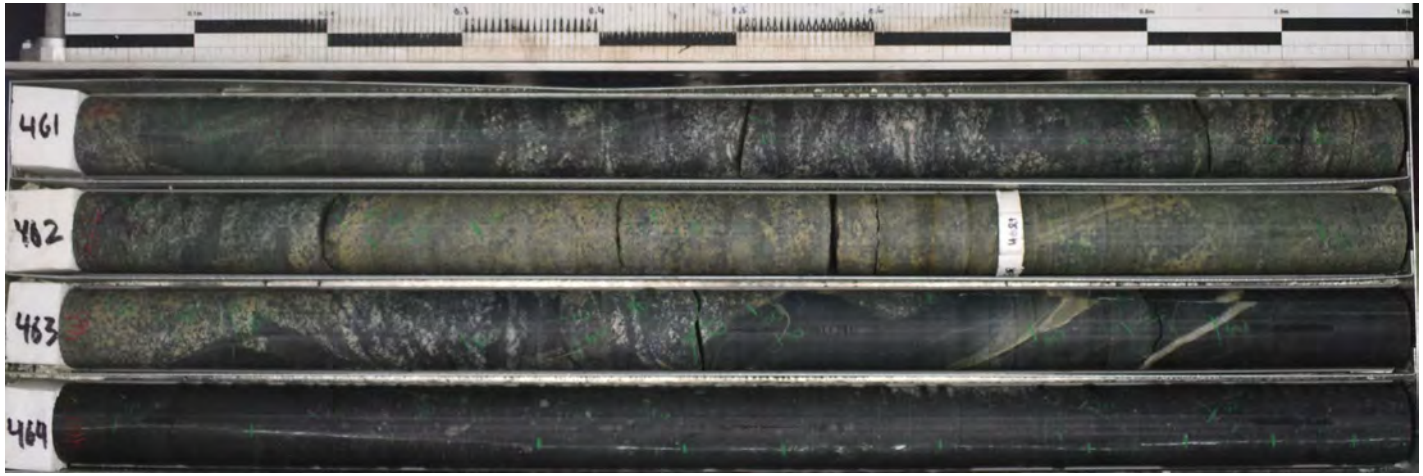
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 63/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:21 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 : BHUA-04 Depth Range: 457.00 - 461.00 m

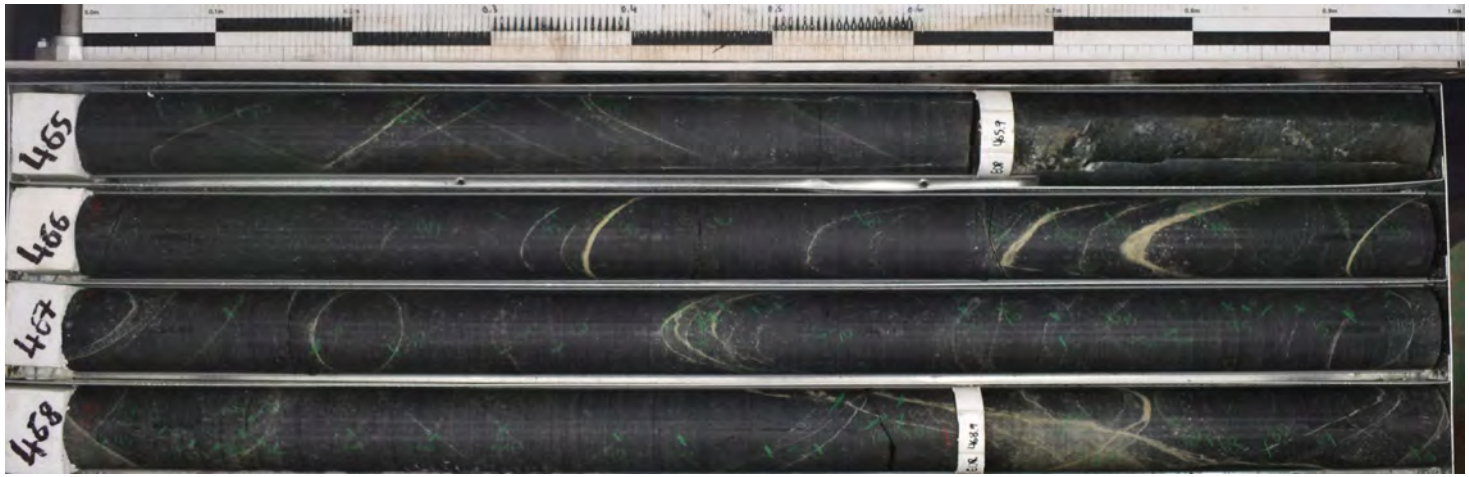


PointID : BHUA-04 Depth Range: 461.00 - 465.00 m

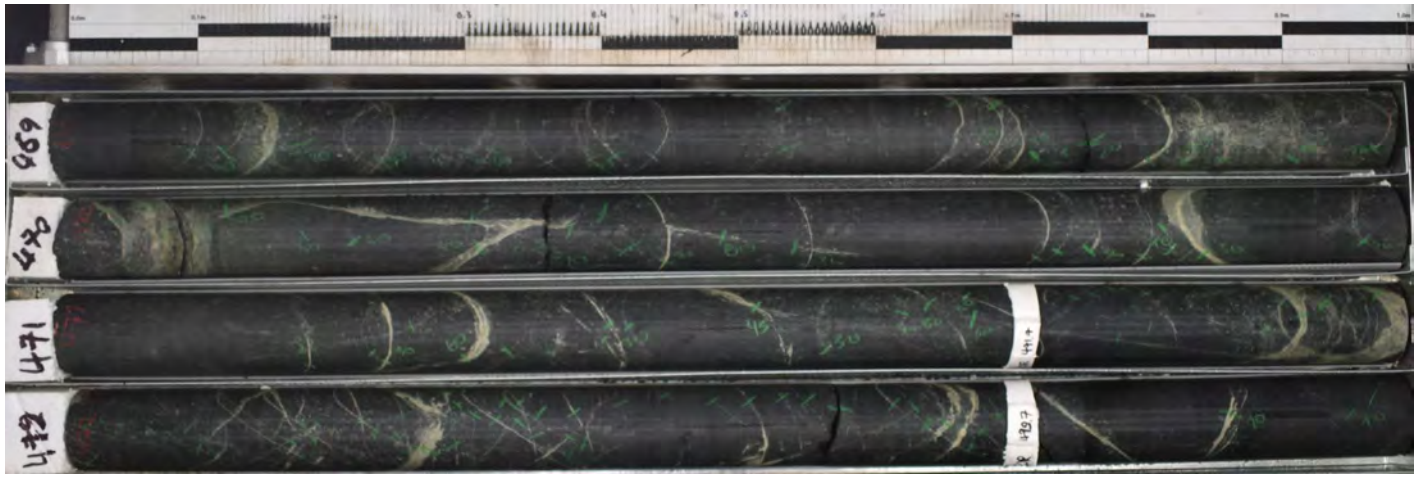
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 64/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:21 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 : BHUA-04 Depth Range: 465.00 - 469.00 m

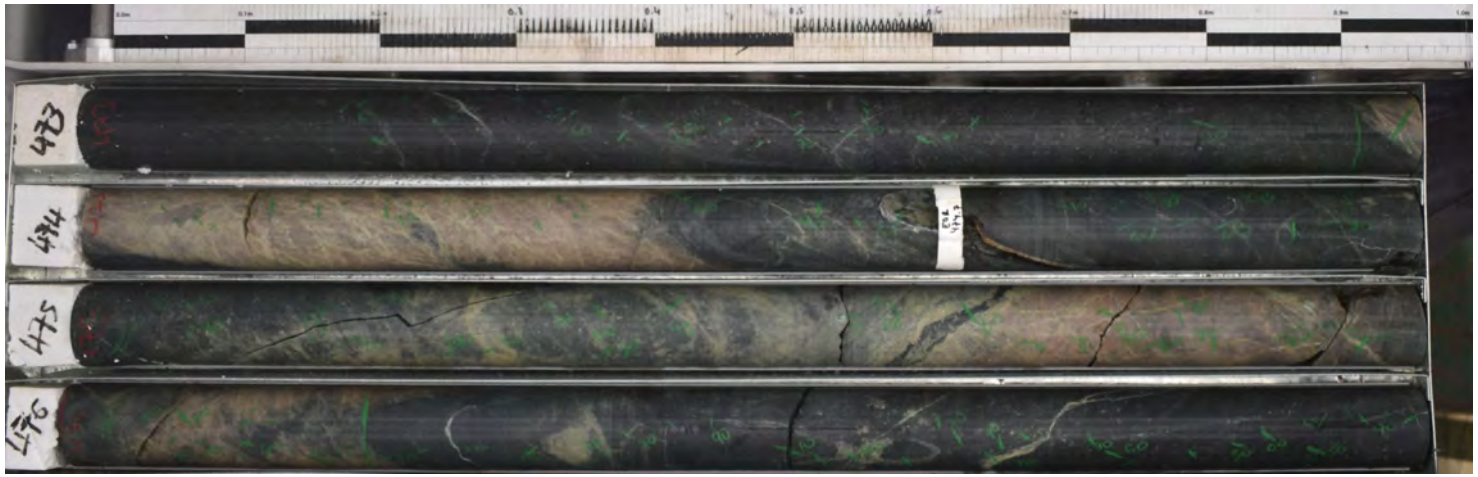


PointID : BHUA-04 Depth Range: 469.00 - 473.00 m

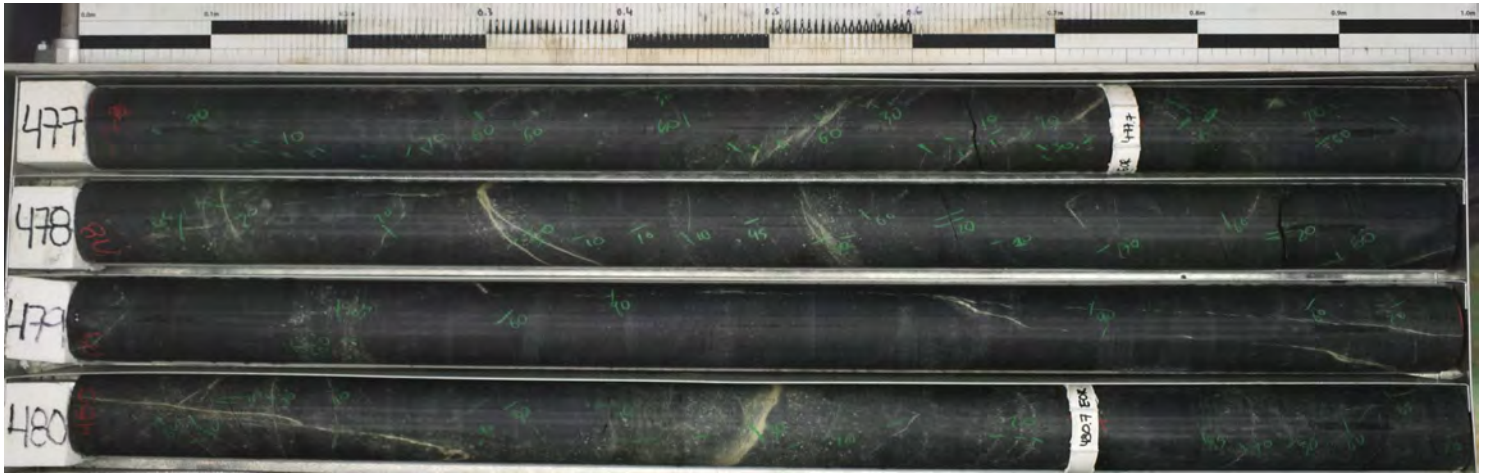
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 65/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:21 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 : BHUA-04 Depth Range: 473.00 - 477.00 m

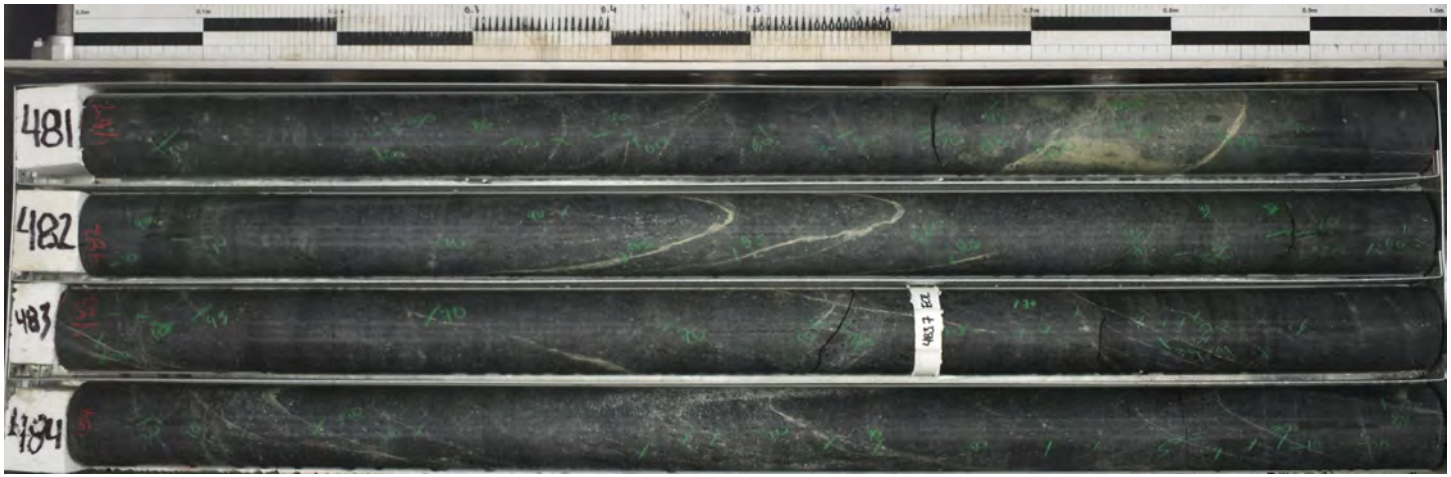


PointID : BHUA-04 Depth Range: 477.00 - 481.00 m

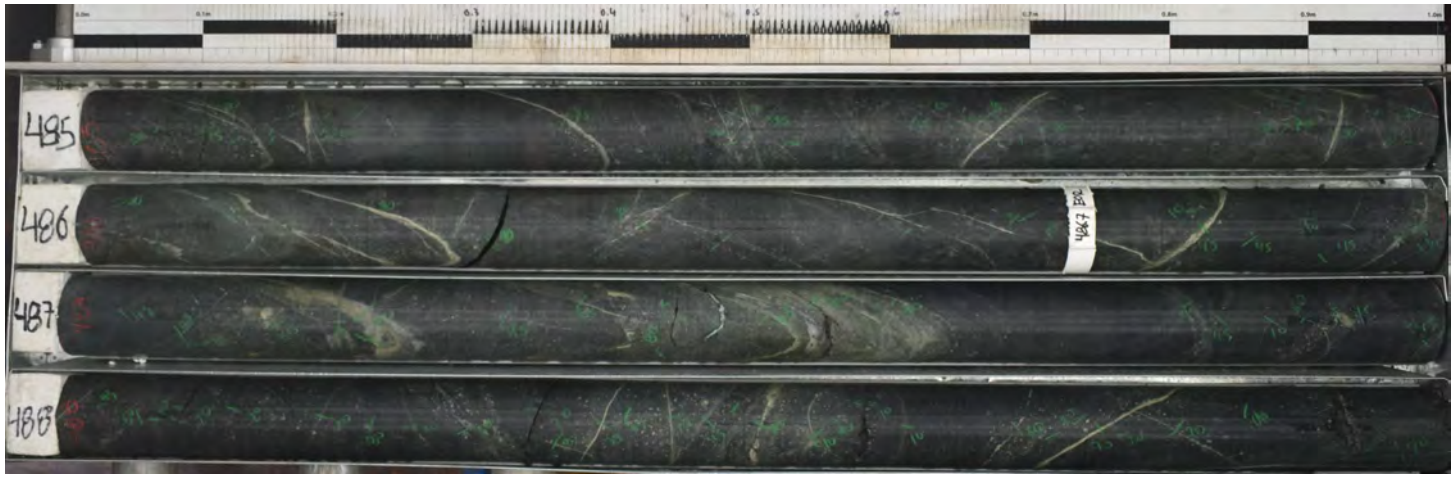
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 66/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:21 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 : BHUA-04 Depth Range: 481.00 - 485.00 m

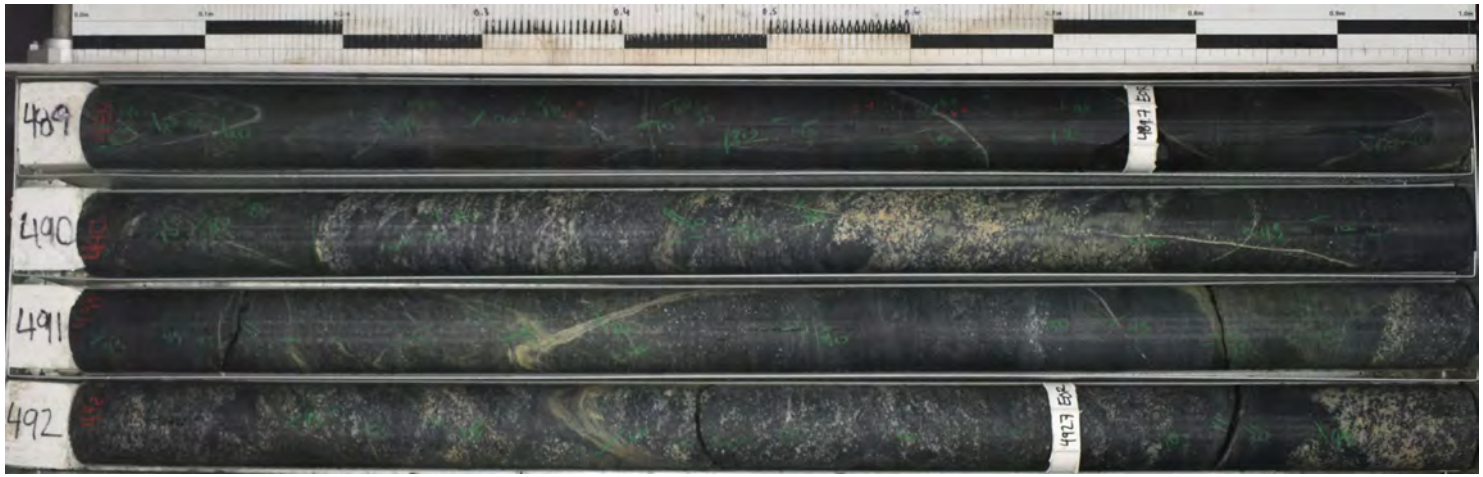


PointID : BHUA-04 Depth Range: 485.00 - 489.00 m

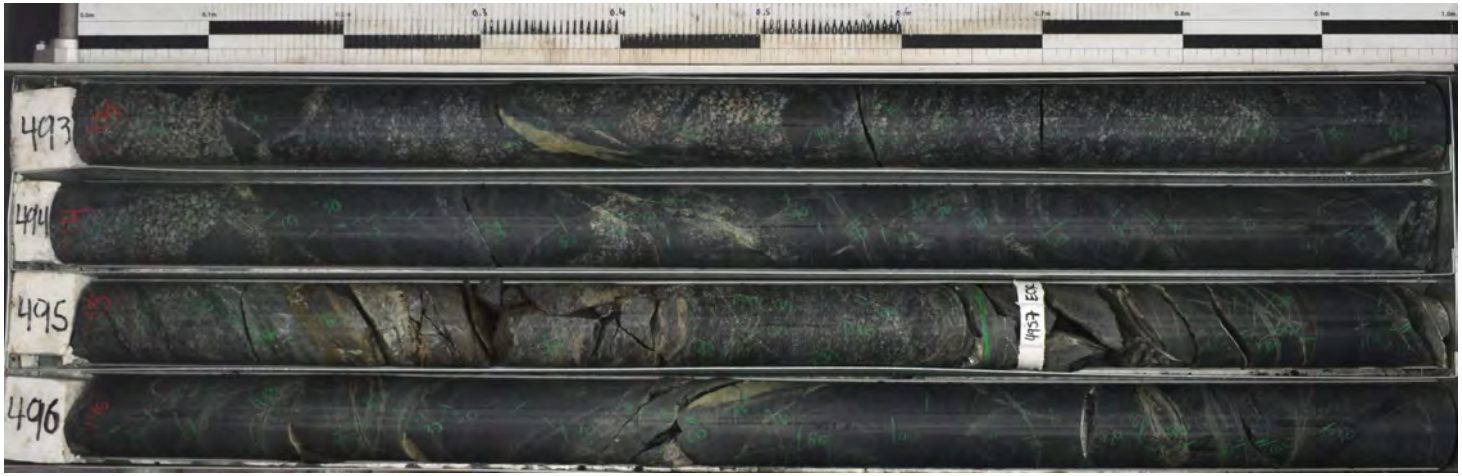
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 67/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:22 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 : BHUA-04 Depth Range: 489.00 - 493.00 m

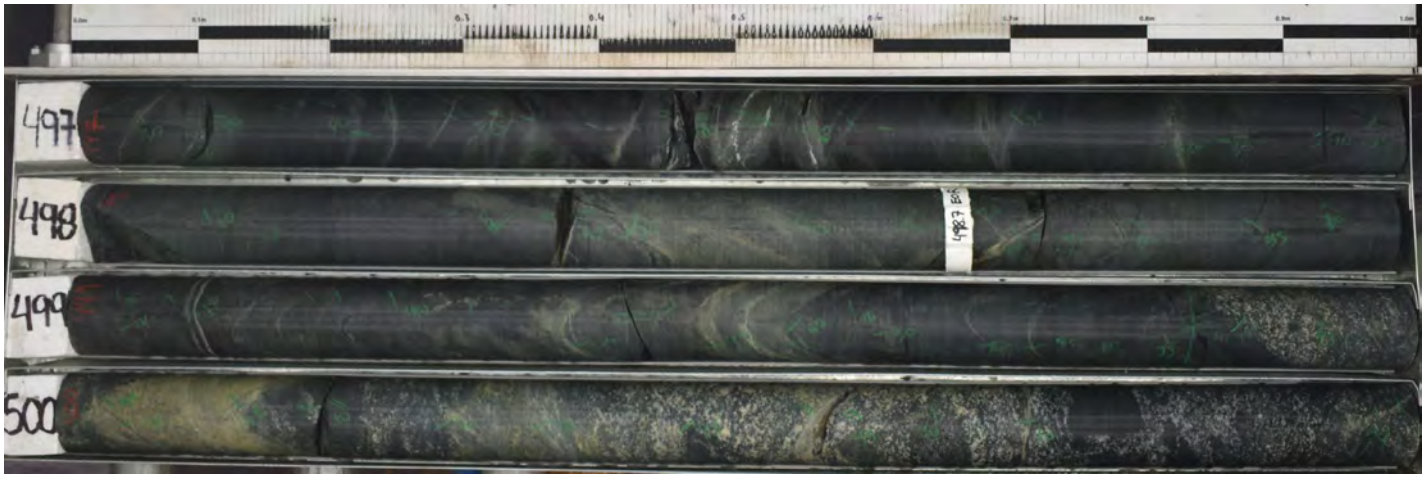


PointID : BHUA-04 Depth Range: 493.00 - 497.00 m

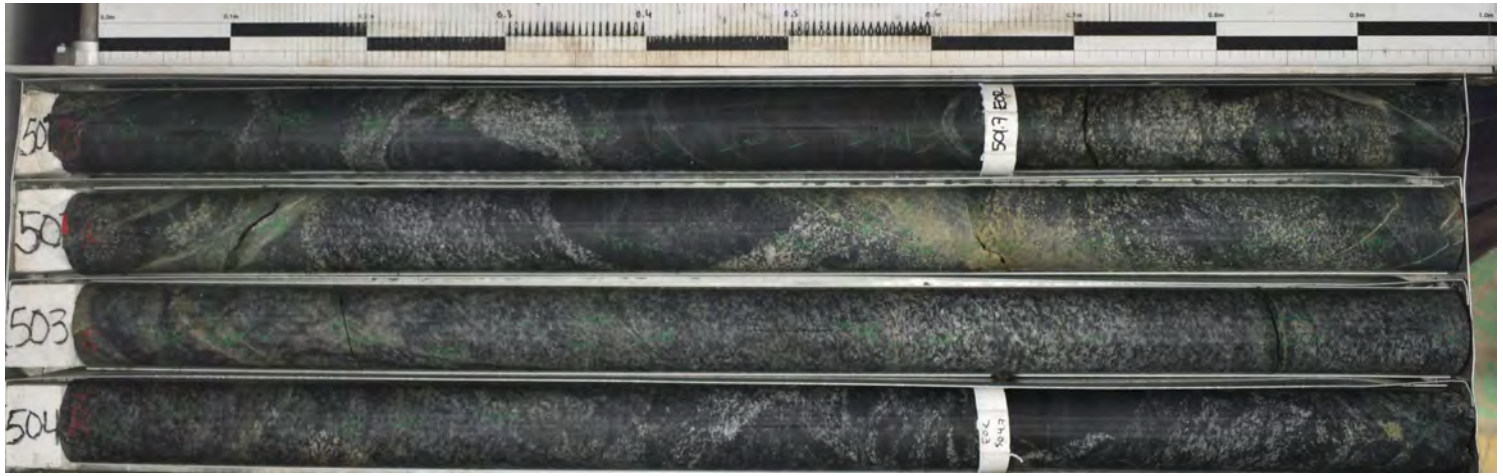
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 68/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:22 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 : BHUA-04 Depth Range: 497.00 - 501.00 m



PointID : BHUA-04 Depth Range: 501.00 - 505.00 m

wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 69/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:22 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 : BHUA-04 Depth Range: 505.00 - 509.00 m

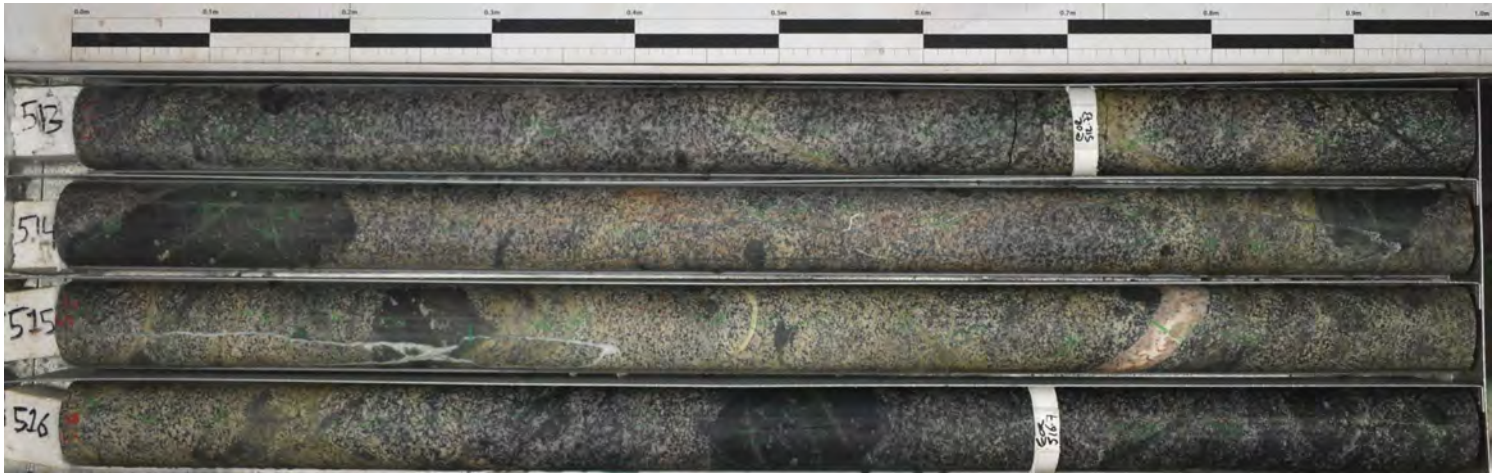


PointID : BHUA-04 Depth Range: 509.00 - 513.00 m

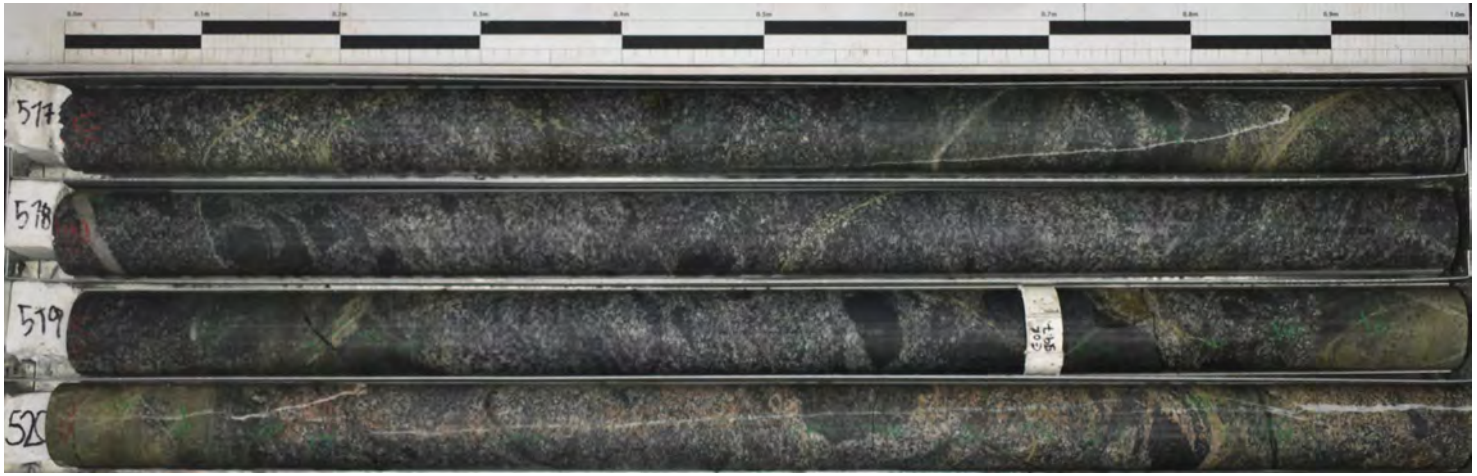
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 70/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:22 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 : BHUA-04 Depth Range: 513.00 - 517.00 m

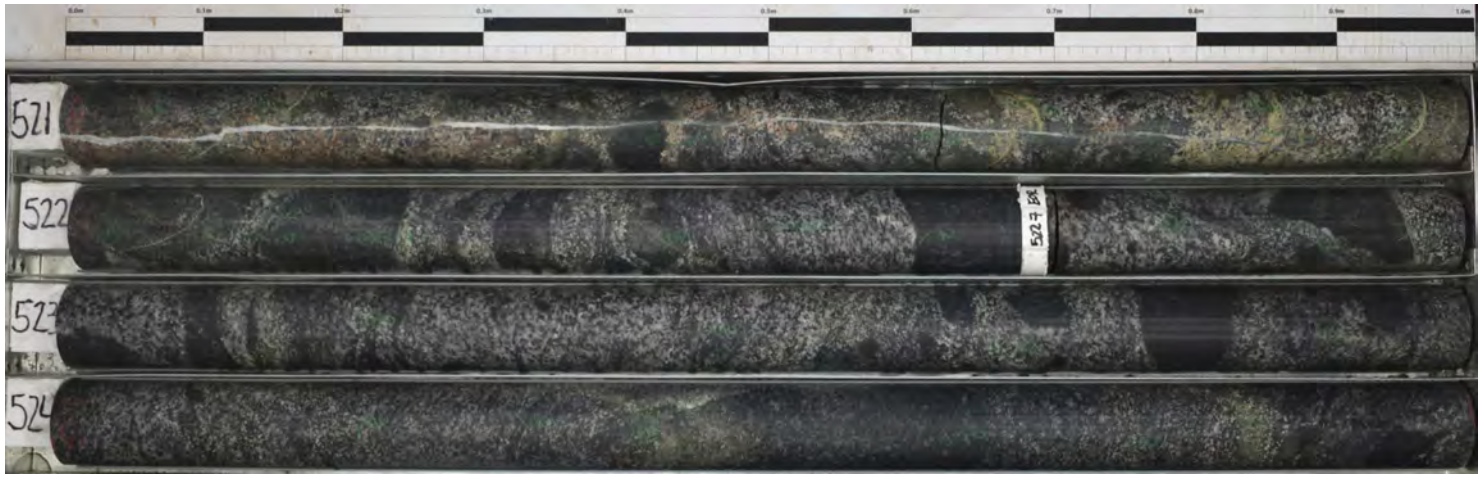


PointID : BHUA-04 Depth Range: 517.00 - 521.00 m

wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 71/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:22 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 : BHUA-04 Depth Range: 521.00 - 525.00 m

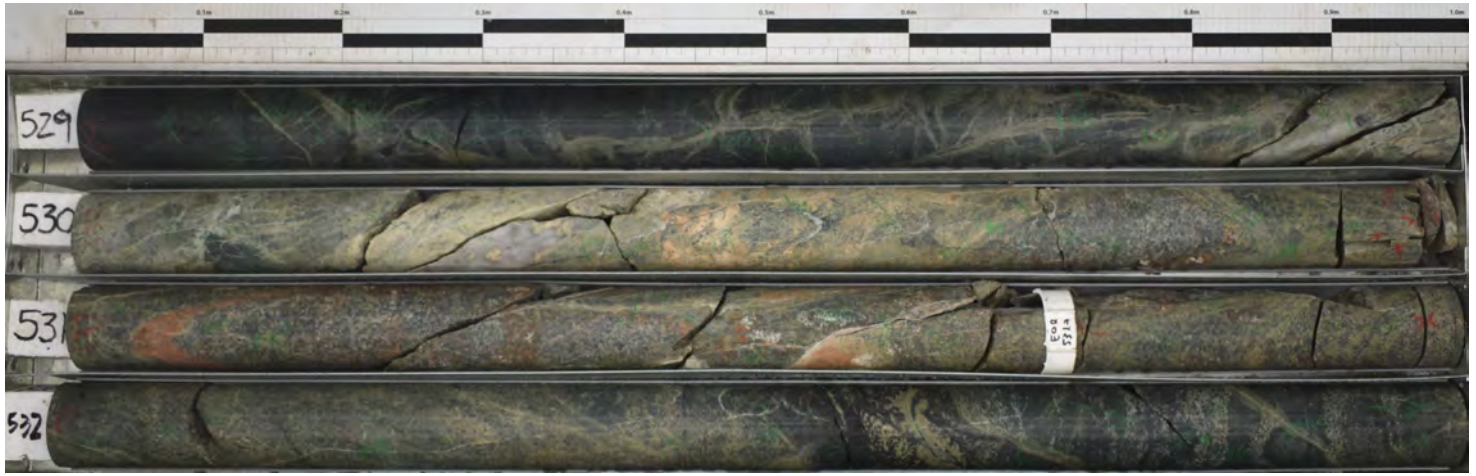


PointID : BHUA-04 Depth Range: 525.00 - 529.00 m

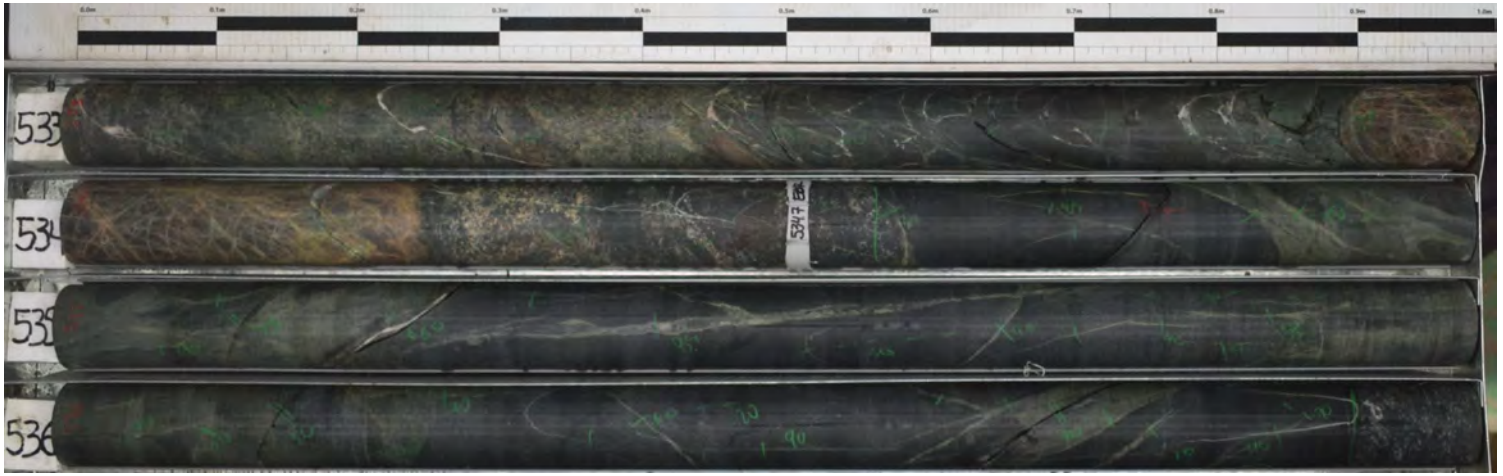
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 72/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:22 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 : BHUA-04 Depth Range: 529.00 - 533.00 m

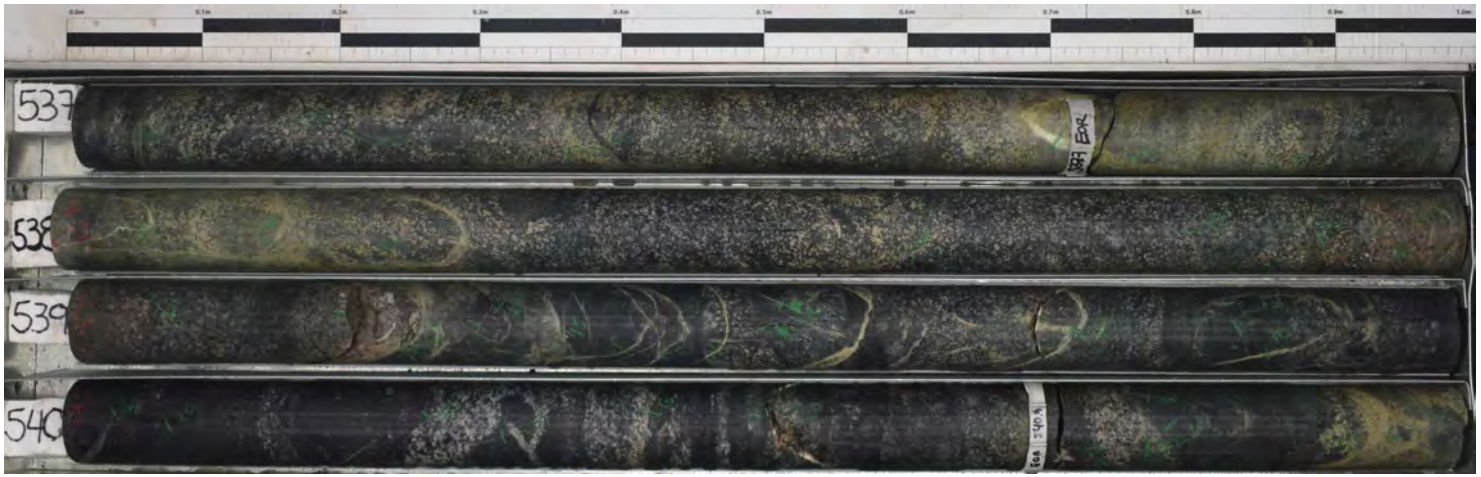


PointID : BHUA-04 Depth Range: 533.00 - 537.00 m

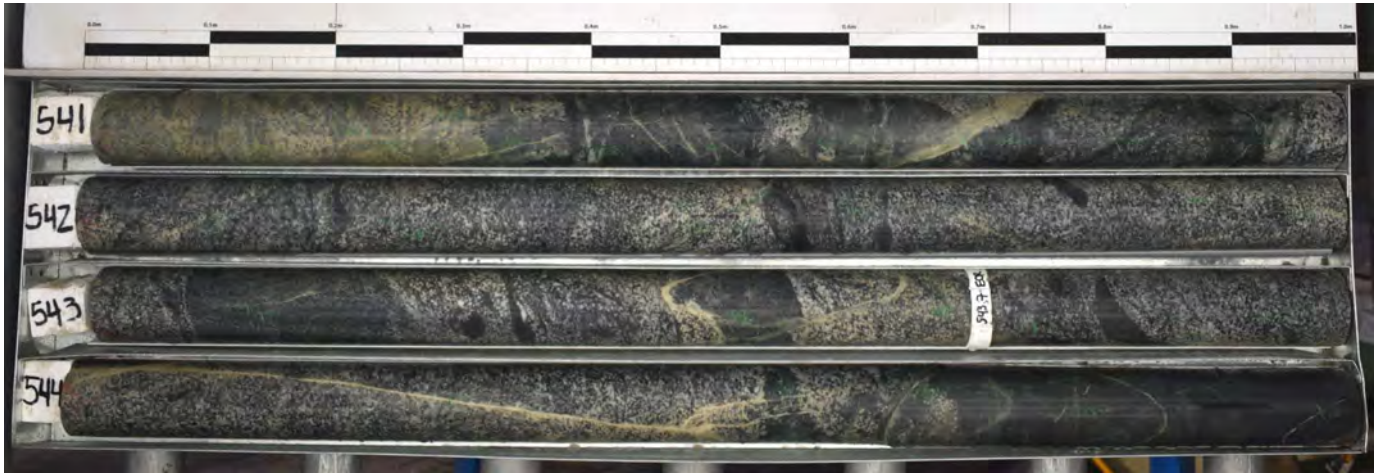
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 73/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:22 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 : BHUA-04 Depth Range: 537.00 - 541.00 m

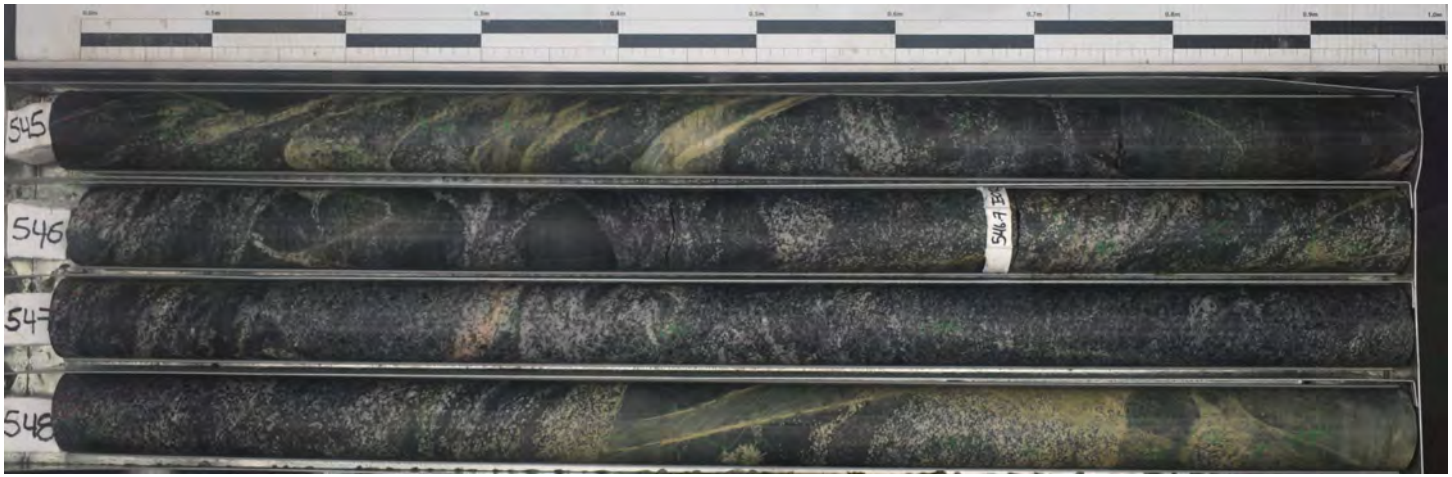


PointID : BHUA-04 Depth Range: 541.00 - 545.00 m

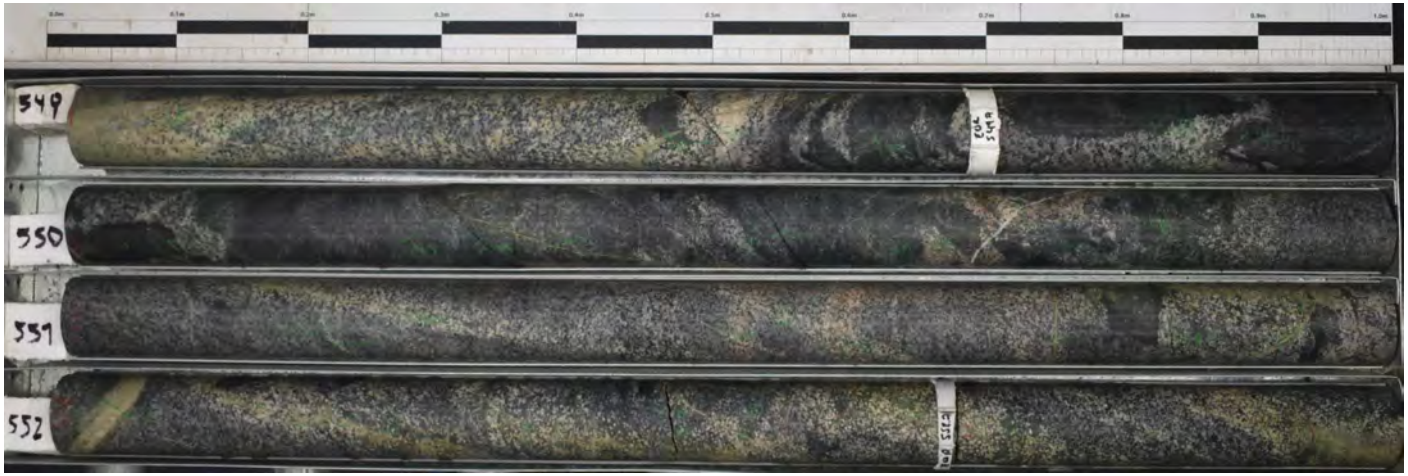
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 74/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:22 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 : BHUA-04 Depth Range: 545.00 - 549.00 m

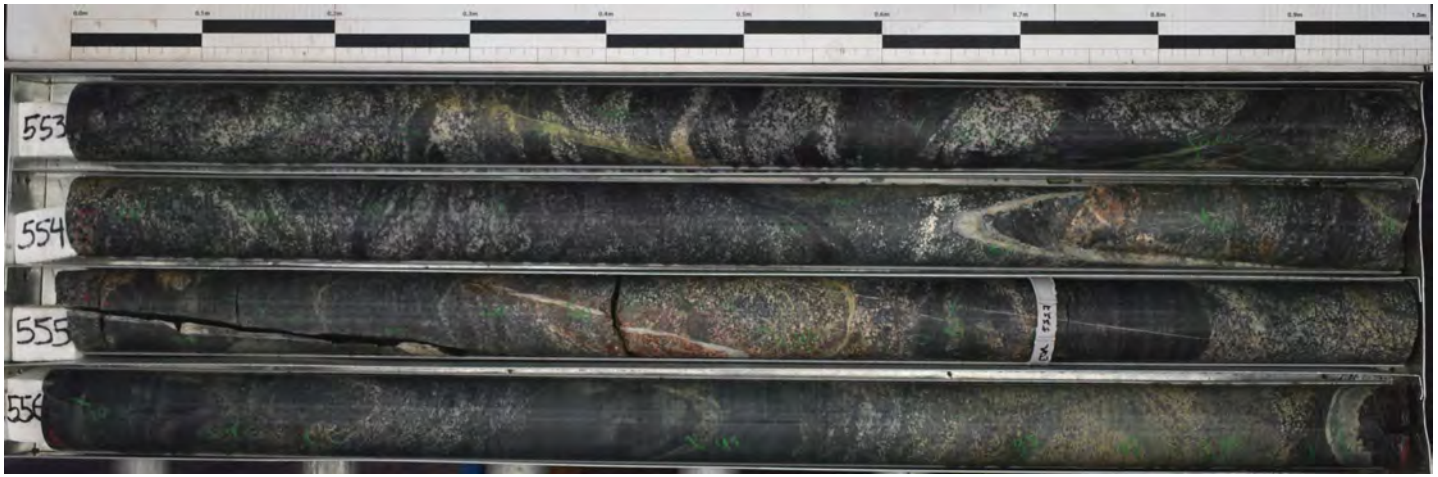


PointID : BHUA-04 Depth Range: 549.00 - 553.00 m

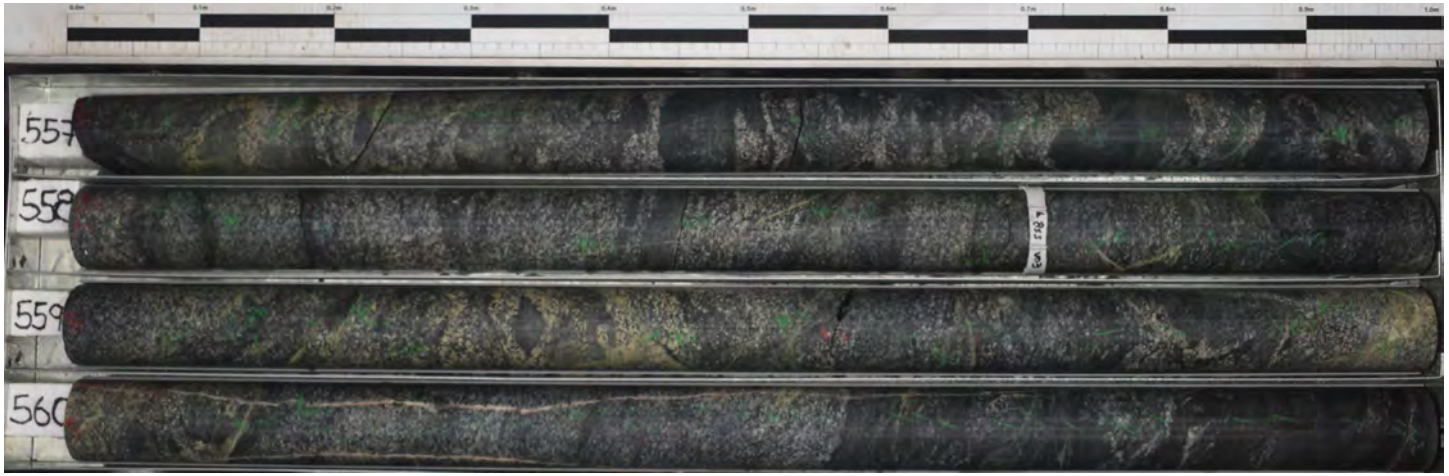
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 75/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:22 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 : BHUA-04 Depth Range: 553.00 - 557.00 m

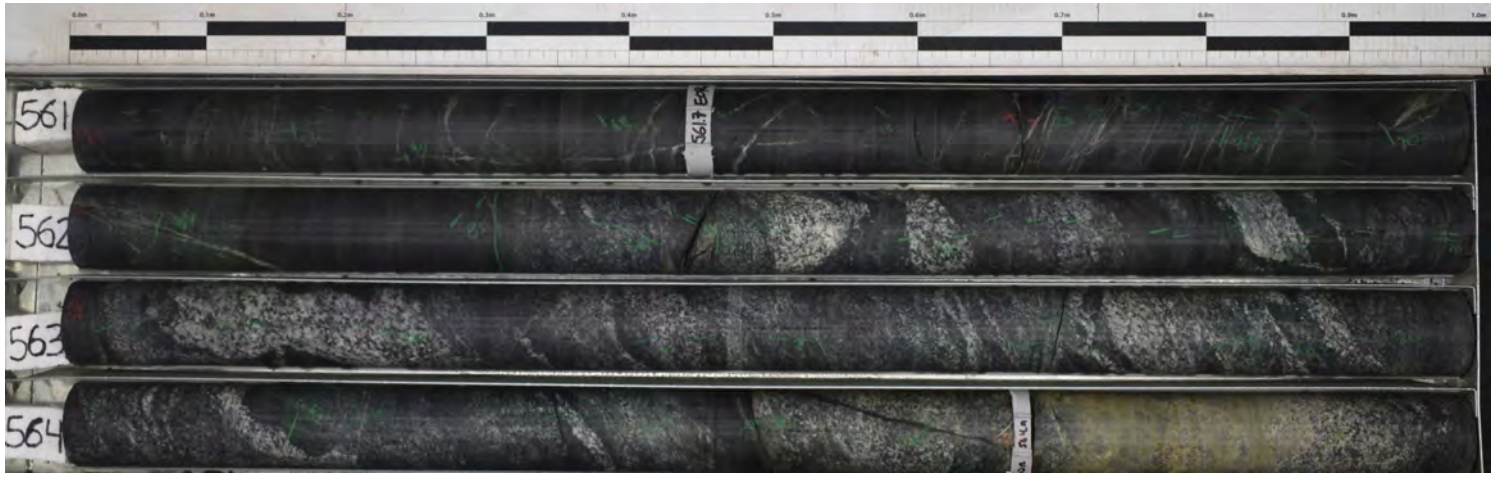


PointID : BHUA-04 Depth Range: 557.00 - 561.00 m

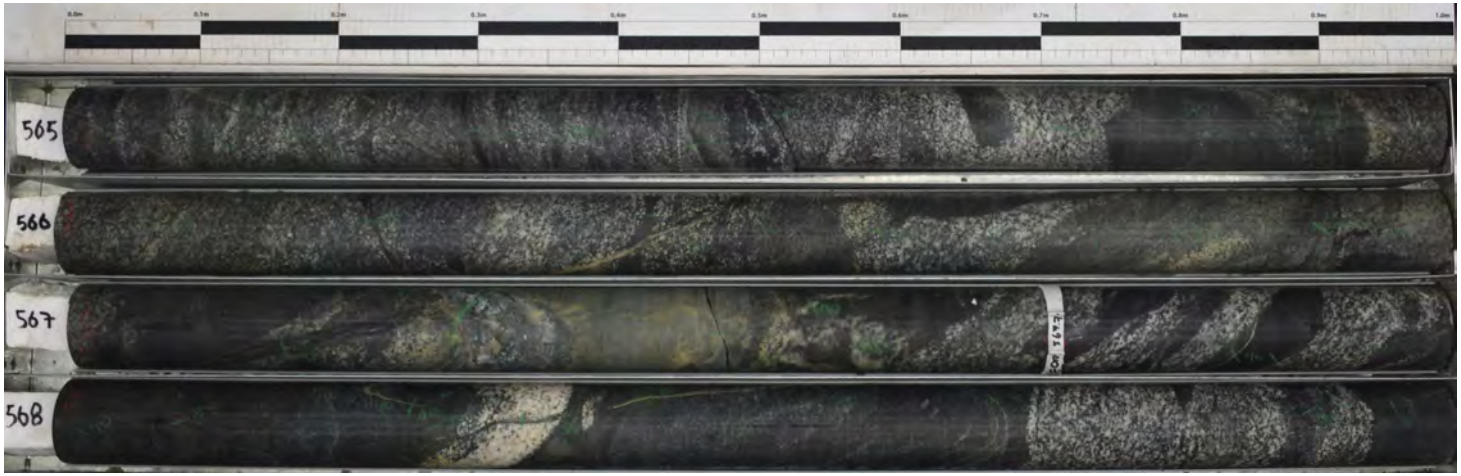
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 76/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:23 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 : BHUA-04 Depth Range: 561.00 - 565.00 m

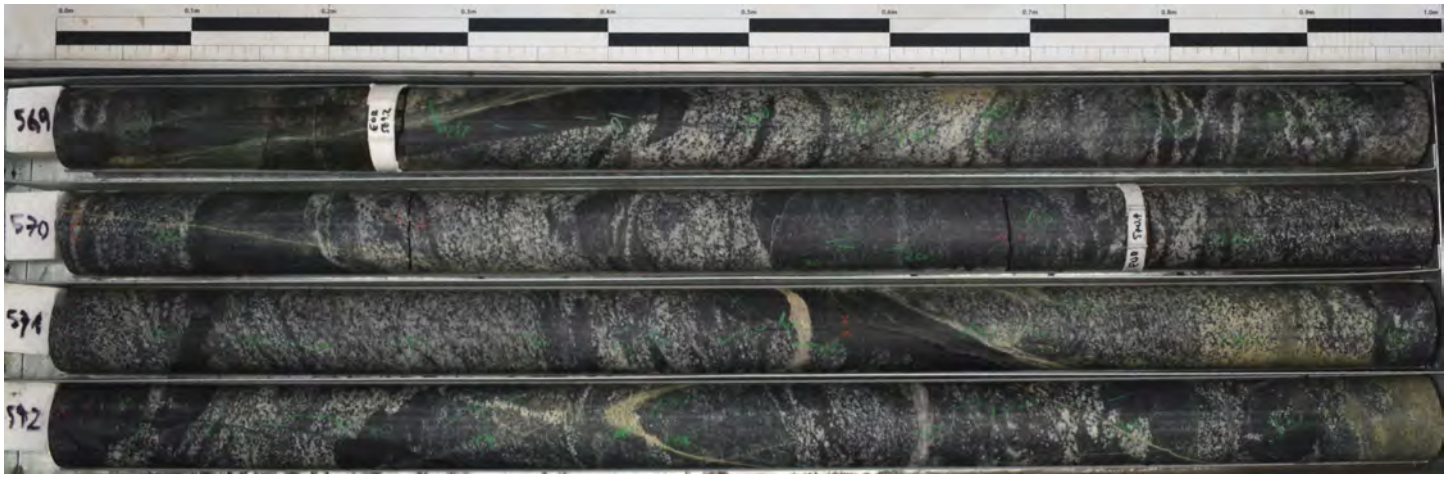


PointID : BHUA-04 Depth Range: 565.00 - 569.00 m

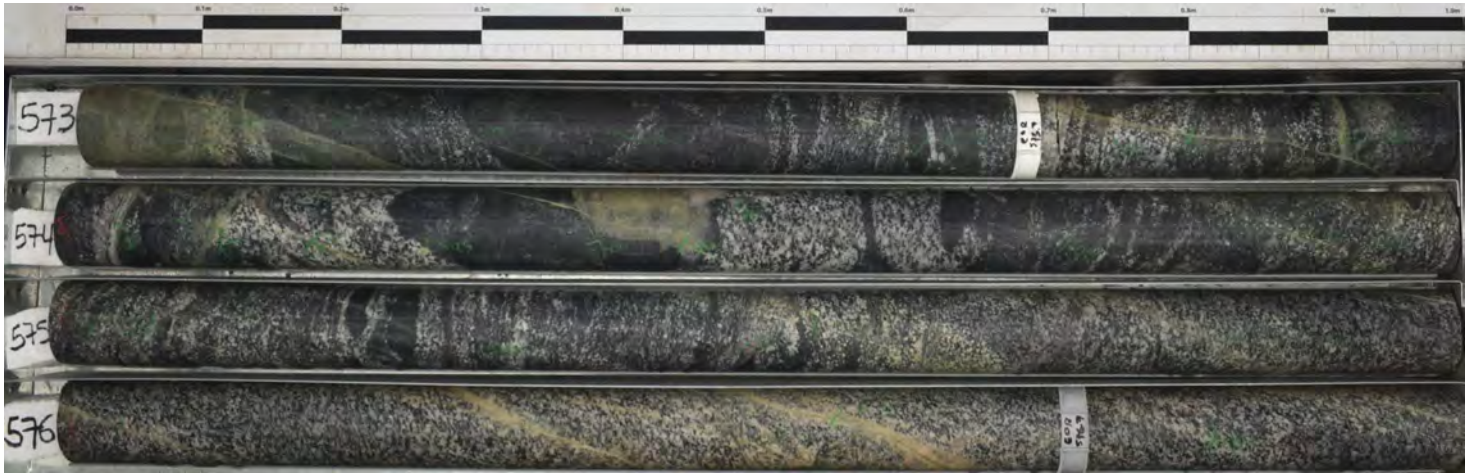
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 77/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:23 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 : BHUA-04 Depth Range: 569.00 - 573.00 m

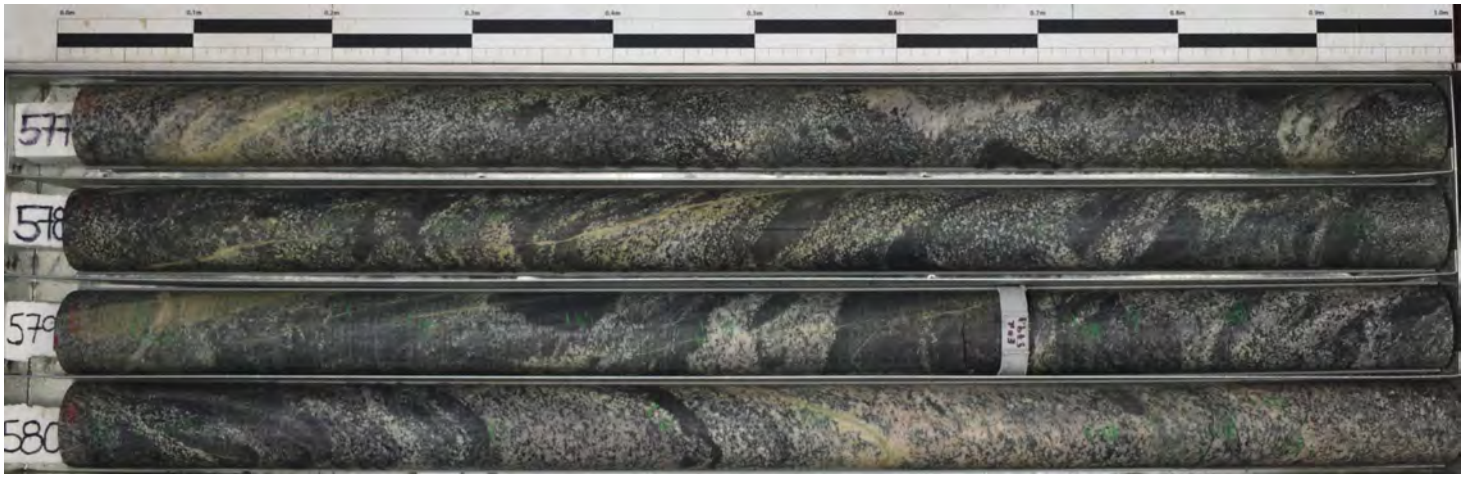


PointID : BHUA-04 Depth Range: 573.00 - 577.00 m

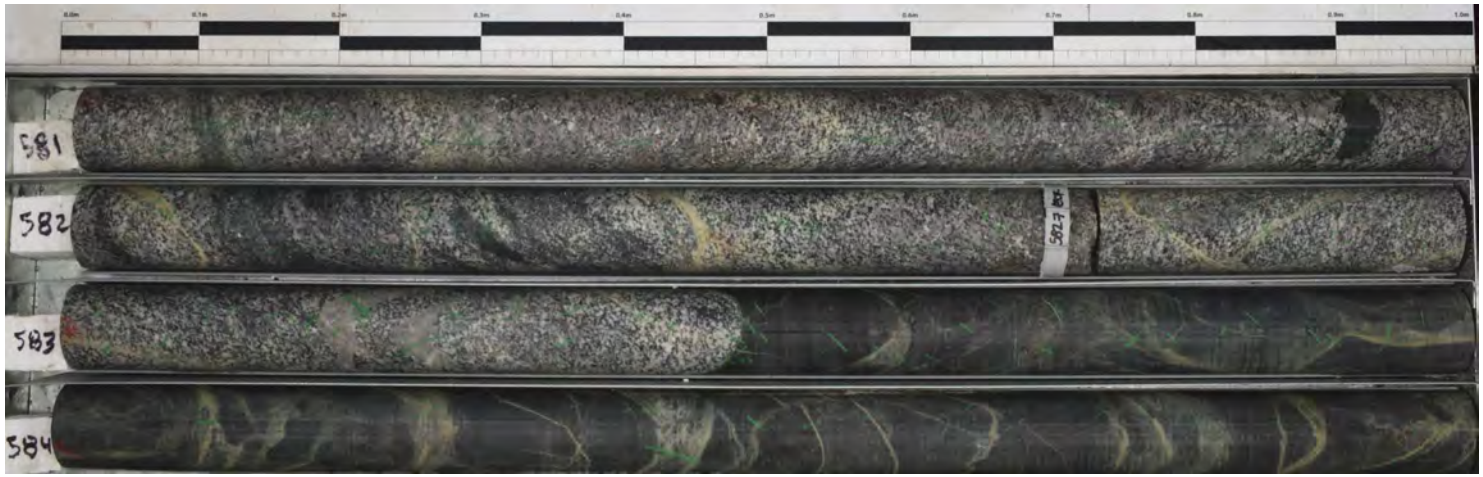
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 78/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:23 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 : BHUA-04 Depth Range: 577.00 - 581.00 m

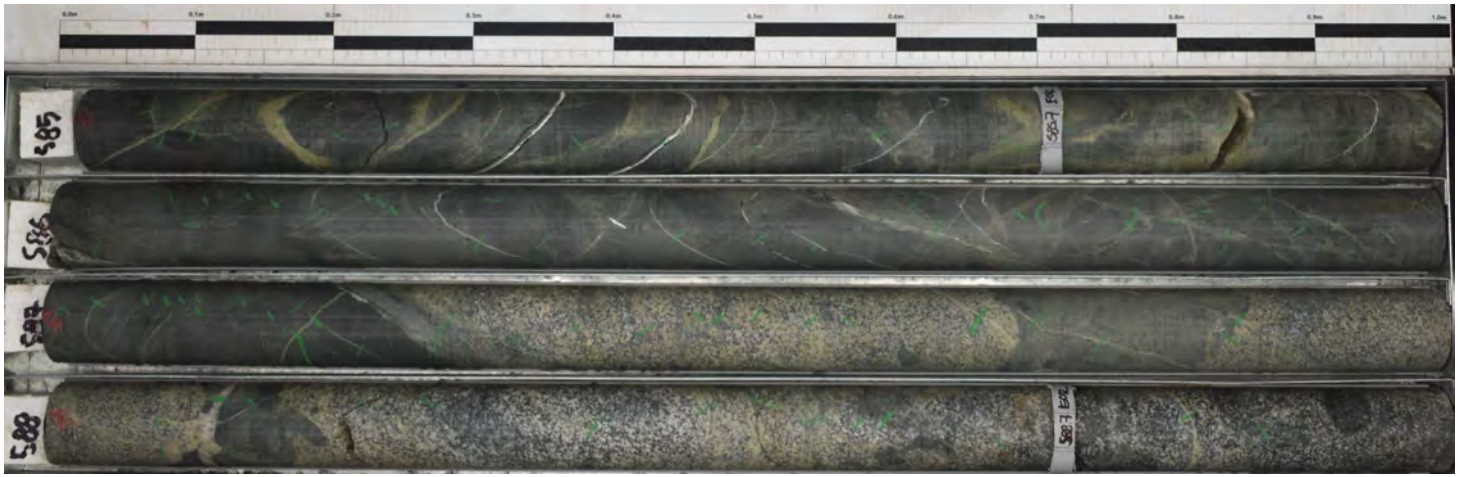


PointID : BHUA-04 Depth Range: 581.00 - 585.00 m

wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 79/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:23 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 : BHUA-04 Depth Range: 585.00 - 589.00 m



PointID : BHUA-04 Depth Range: 589.00 - 593.00 m

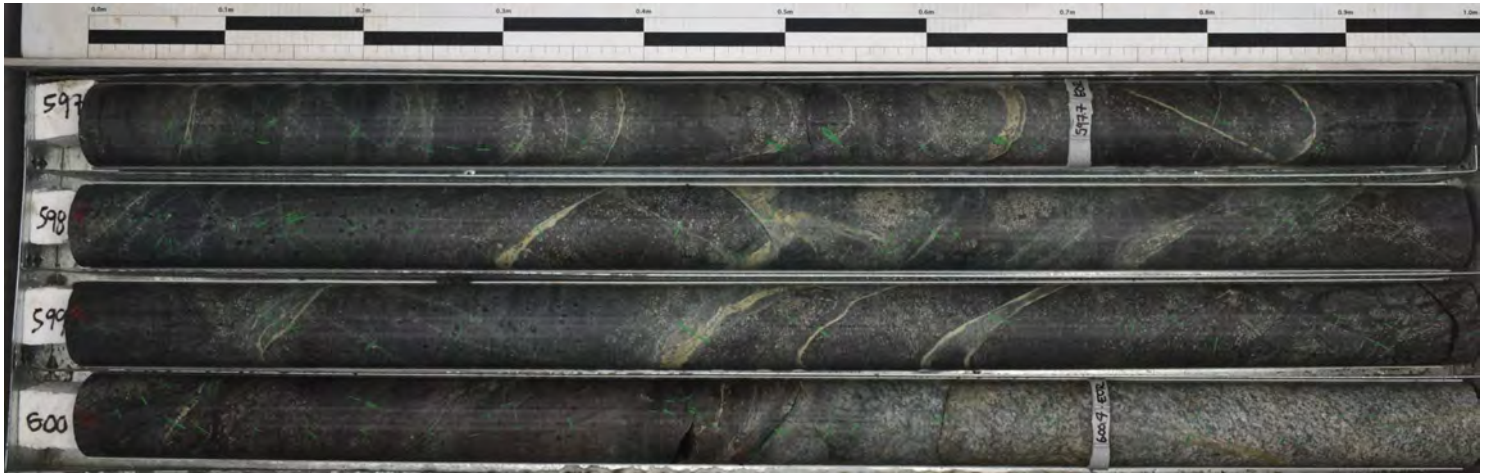
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 80/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:23 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 : BHUA-04 Depth Range: 593.00 - 597.00 m

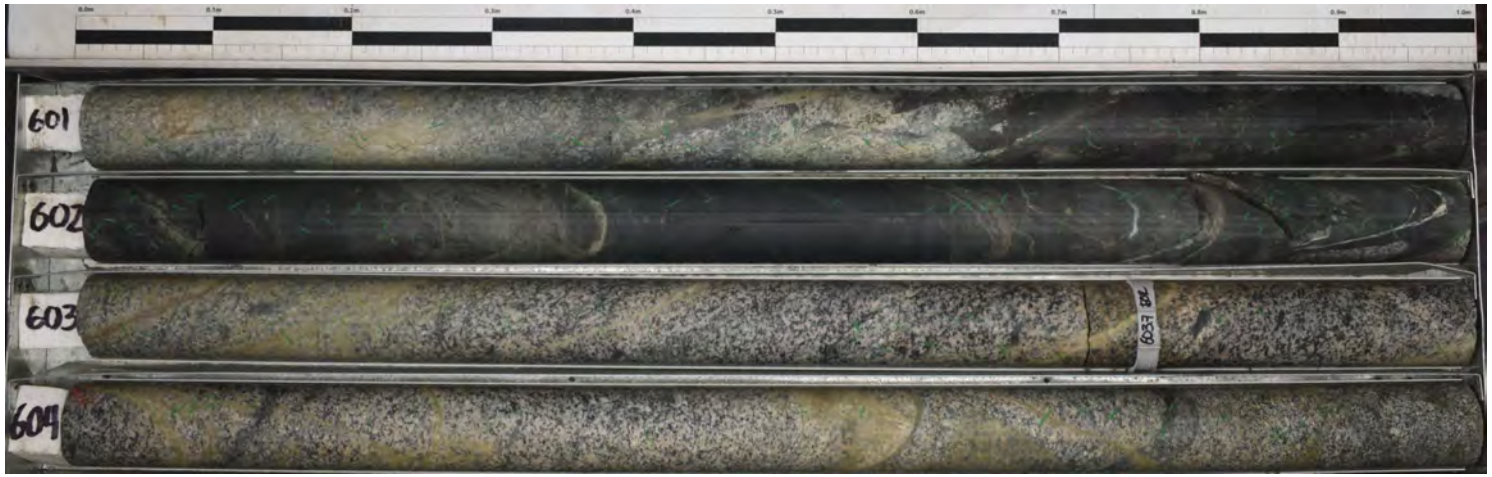


PointID : BHUA-04 Depth Range: 597.00 - 601.00 m

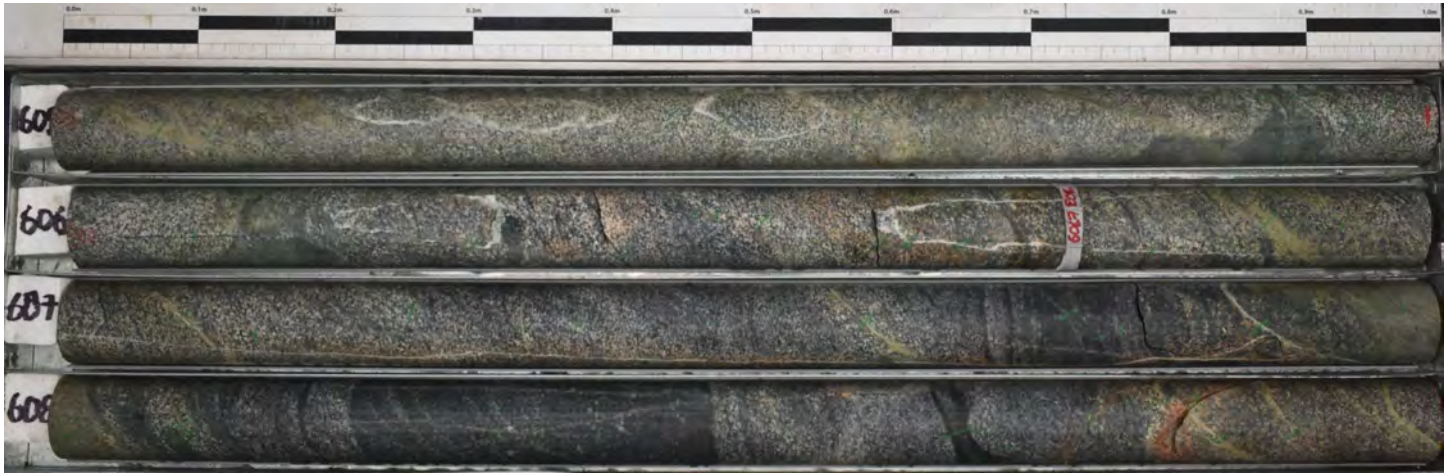
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 81/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:23 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 : BHUA-04 Depth Range: 601.00 - 605.00 m



PointID : BHUA-04 Depth Range: 605.00 - 609.00 m

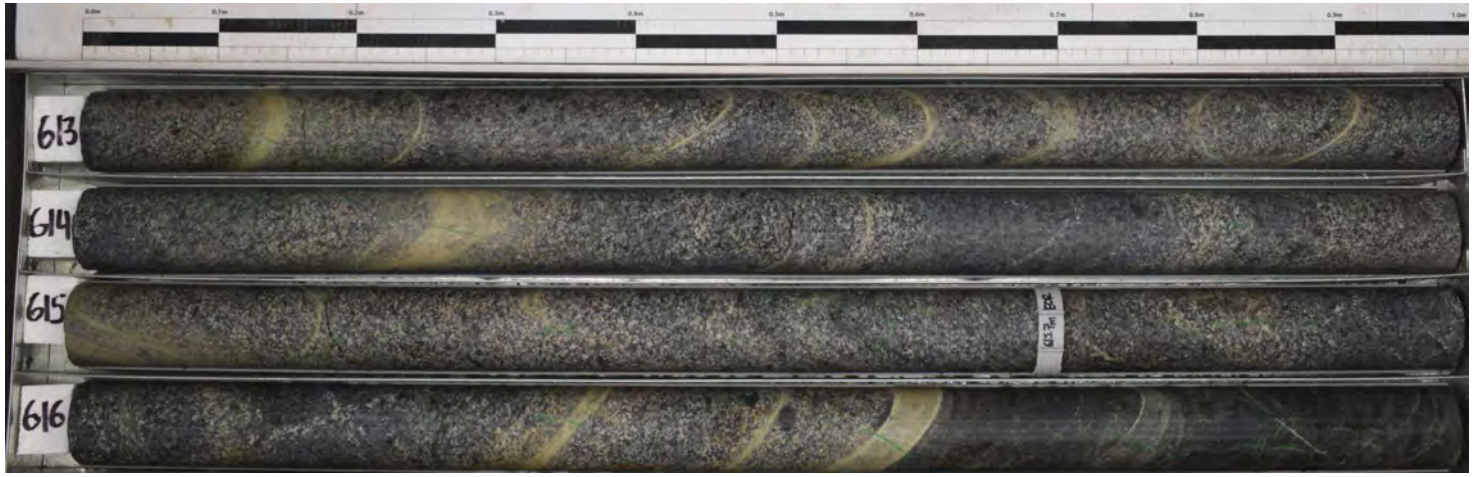
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 82/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:23 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 : BHUA-04 Depth Range: 609.00 - 613.00 m

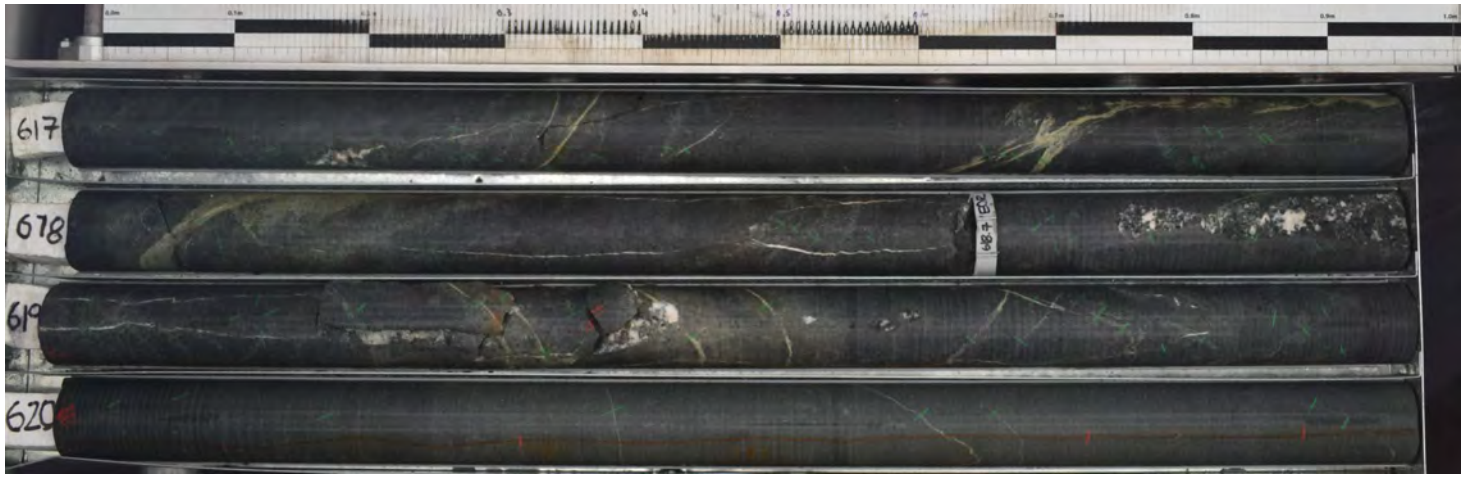


PointID : BHUA-04 Depth Range: 613.00 - 617.00 m

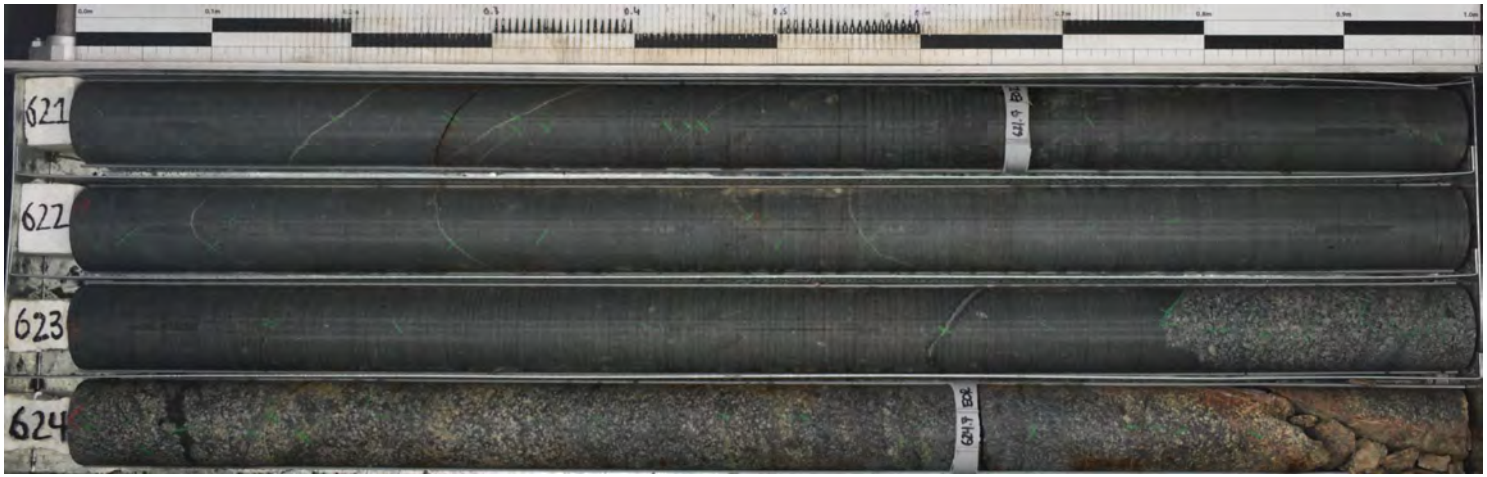
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 83/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:23 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 : BHUA-04 Depth Range: 617.00 - 621.00 m

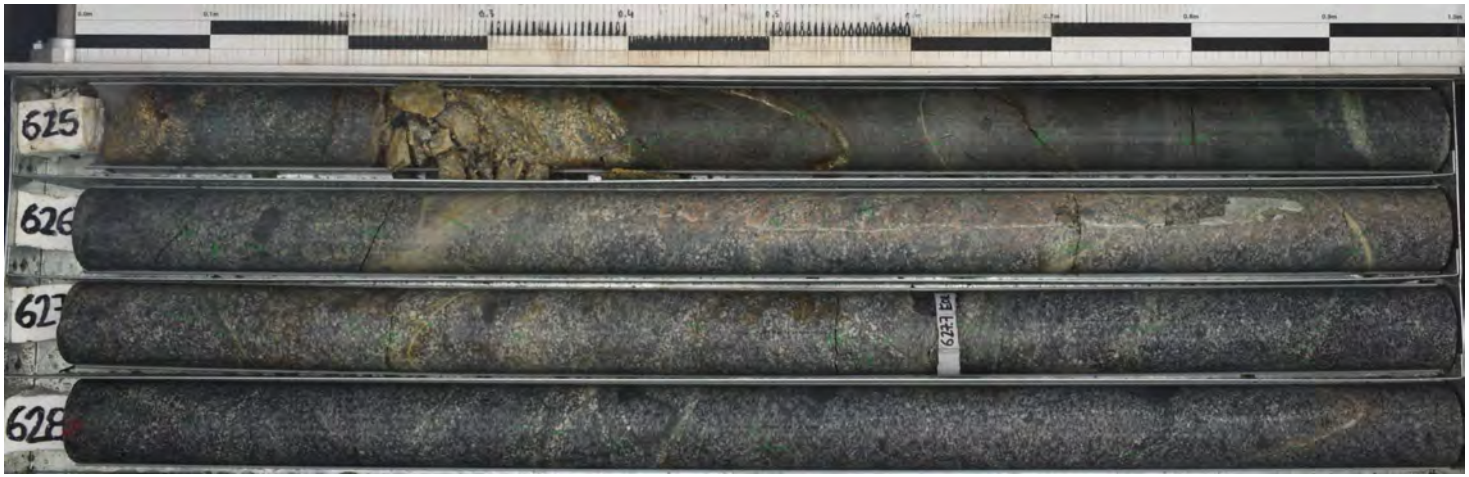


PointID : BHUA-04 Depth Range: 621.00 - 625.00 m

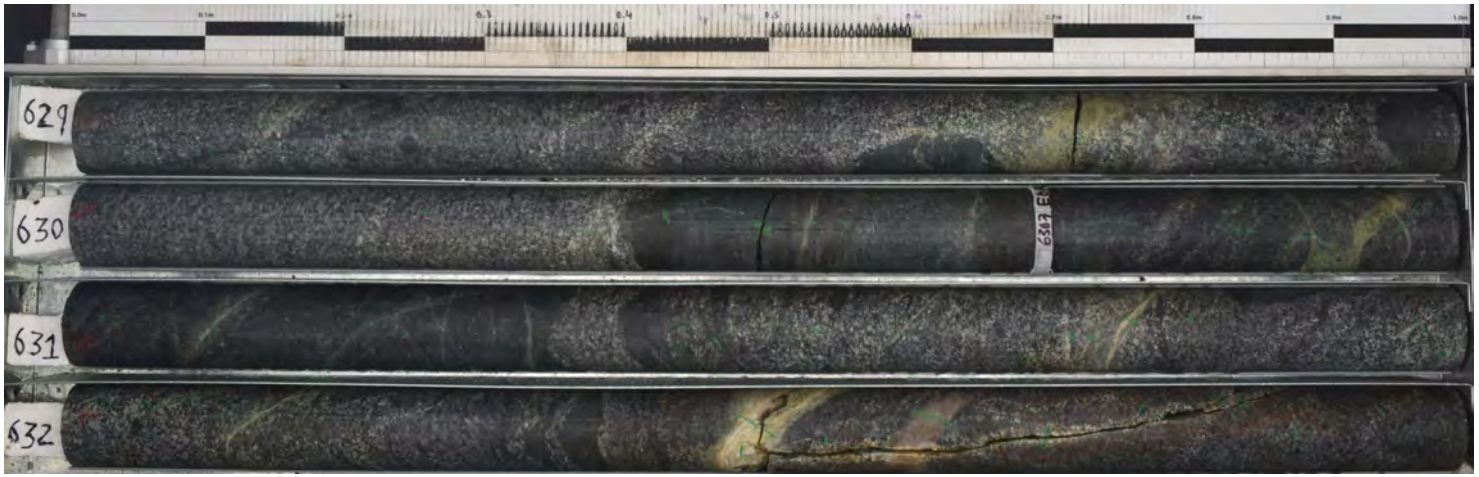
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 84/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:24 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 : BHUA-04 Depth Range: 625.00 - 629.00 m

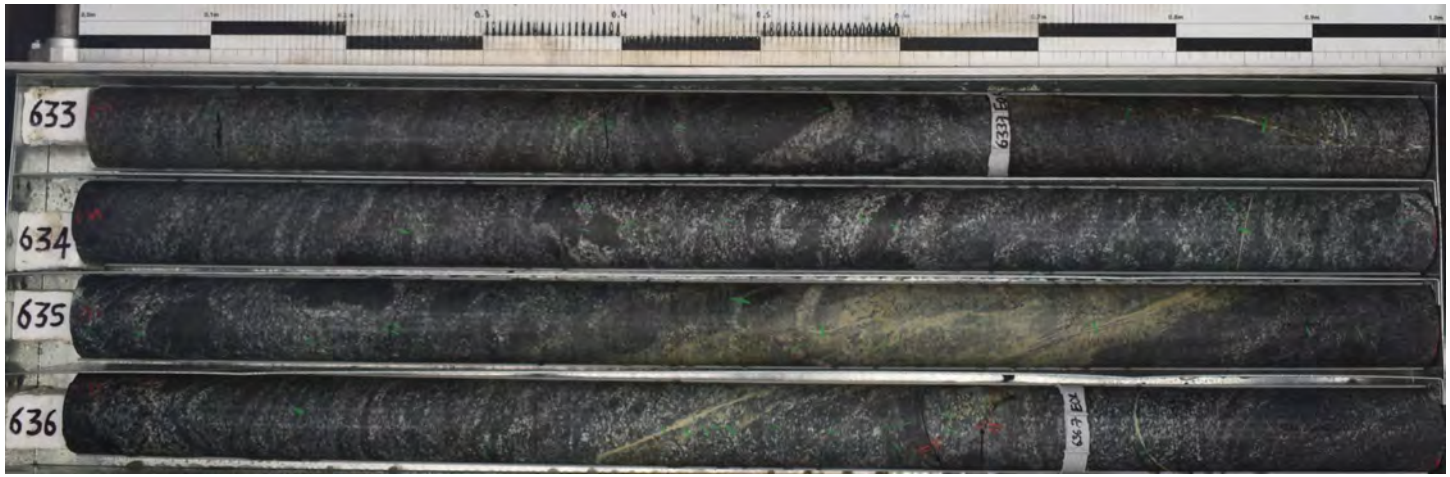


PointID : BHUA-04 Depth Range: 629.00 - 633.00 m

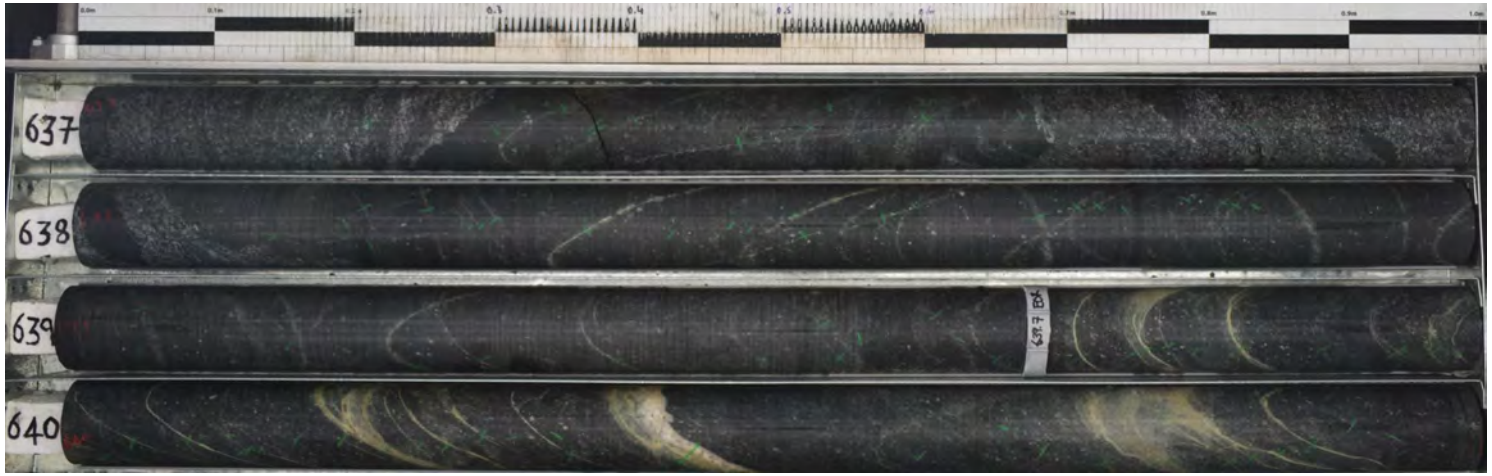
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 85/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:24 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 : BHUA-04 Depth Range: 633.00 - 637.00 m

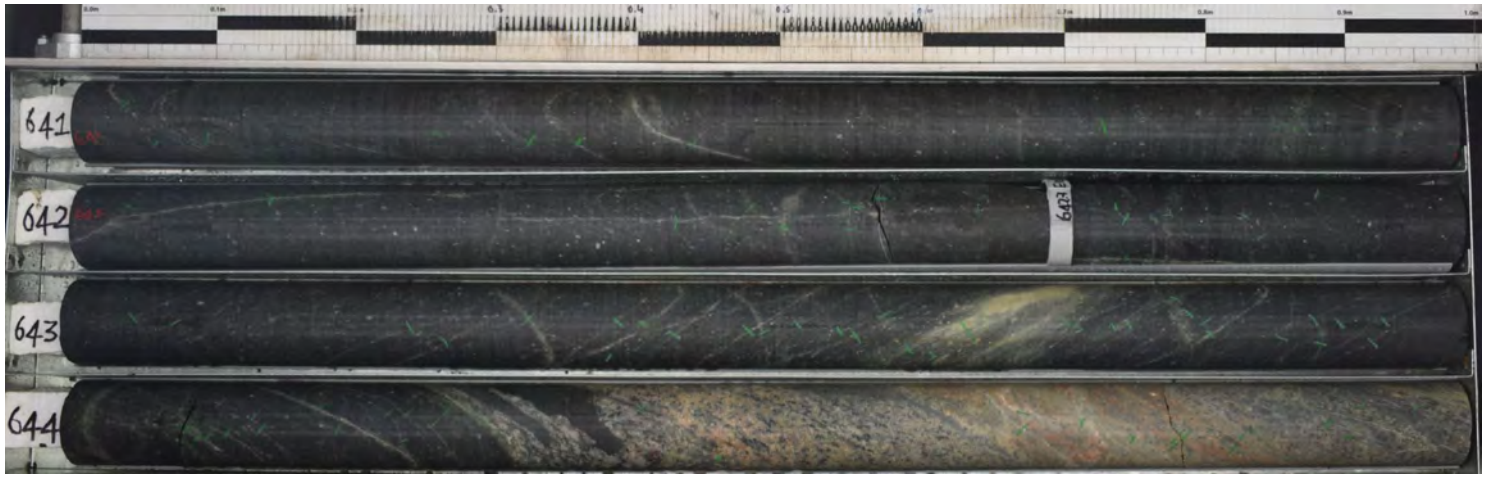


PointID : BHUA-04 Depth Range: 637.00 - 641.00 m

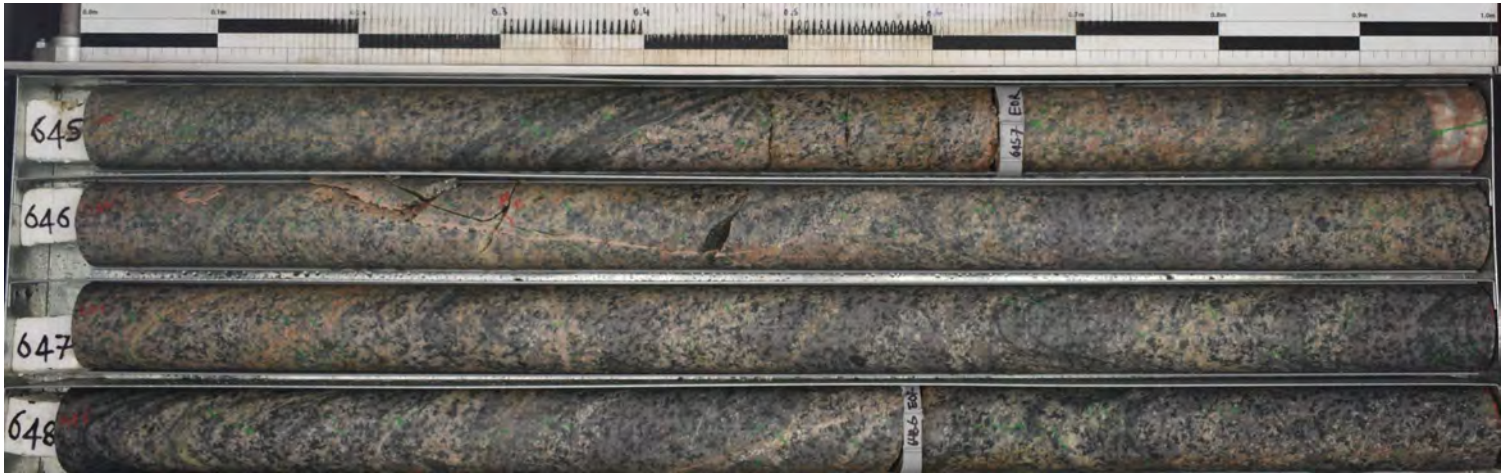
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 86/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:24 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 : BHUA-04 Depth Range: 641.00 - 645.00 m

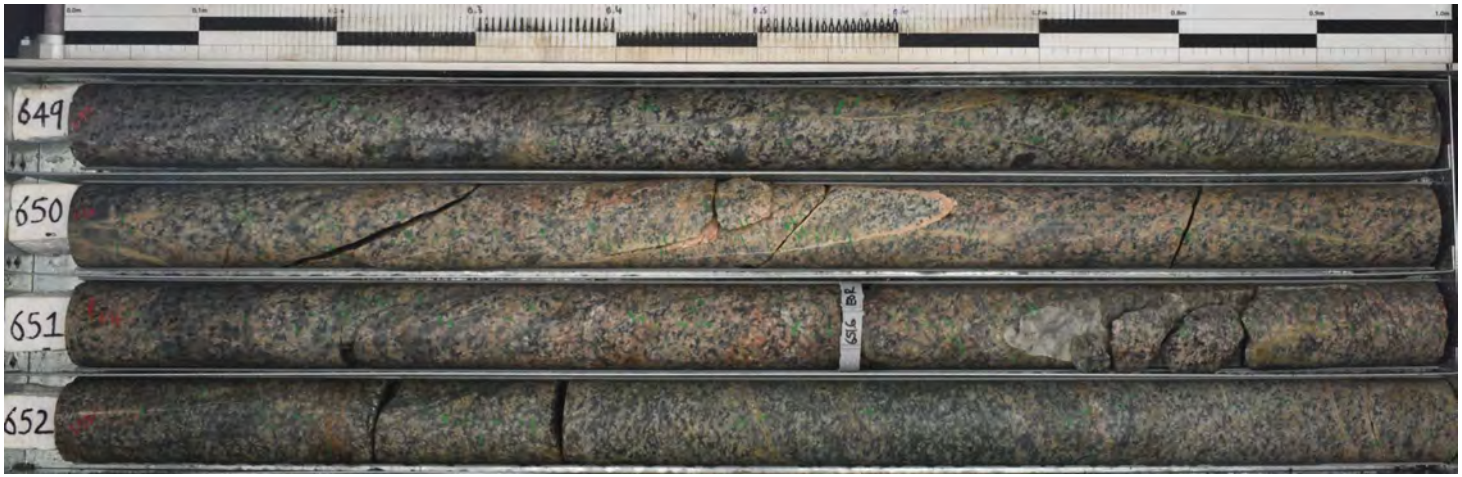


PointID : BHUA-04 Depth Range: 645.00 - 649.00 m

wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 87/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:24 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 : BHUA-04 Depth Range: 649.00 - 653.00 m

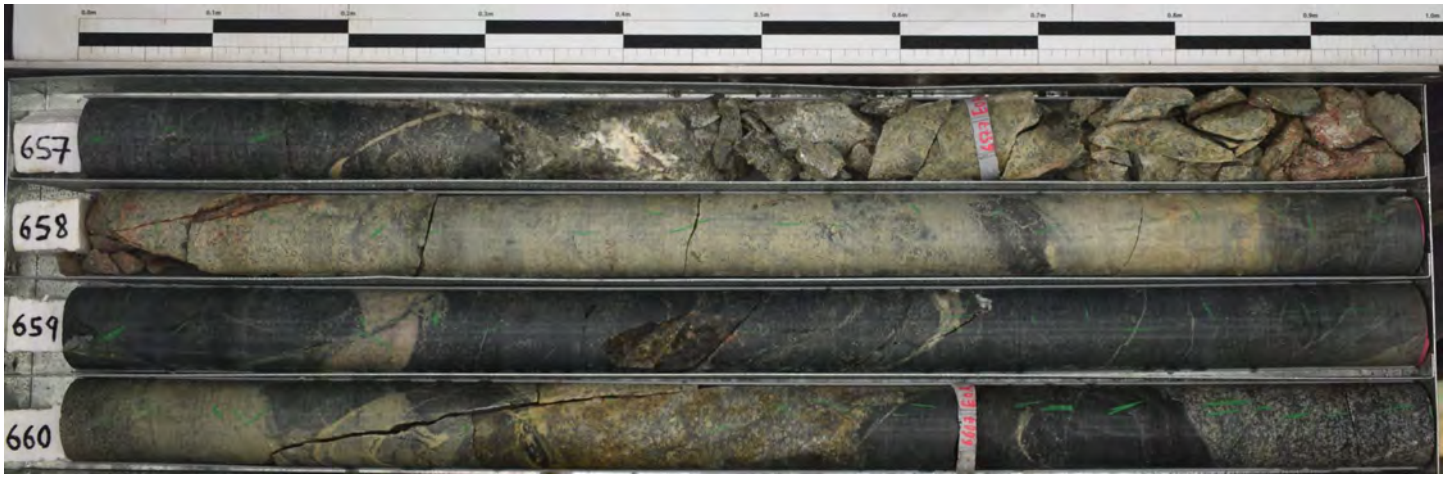


PointID : BHUA-04 Depth Range: 653.00 - 657.00 m

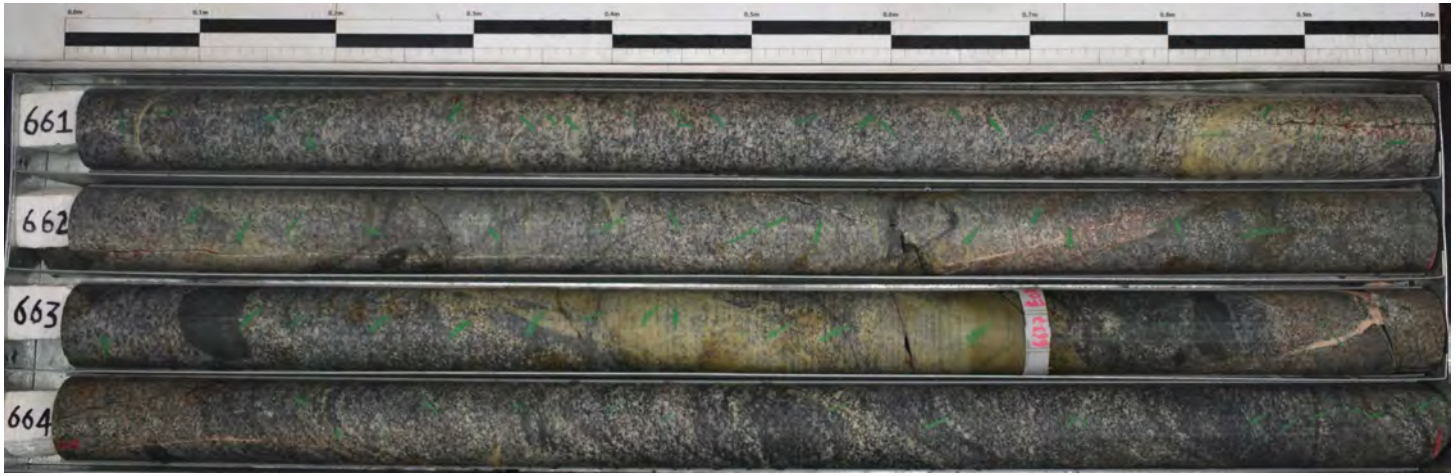
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 88/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:24 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 : BHUA-04 Depth Range: 657.00 - 661.00 m

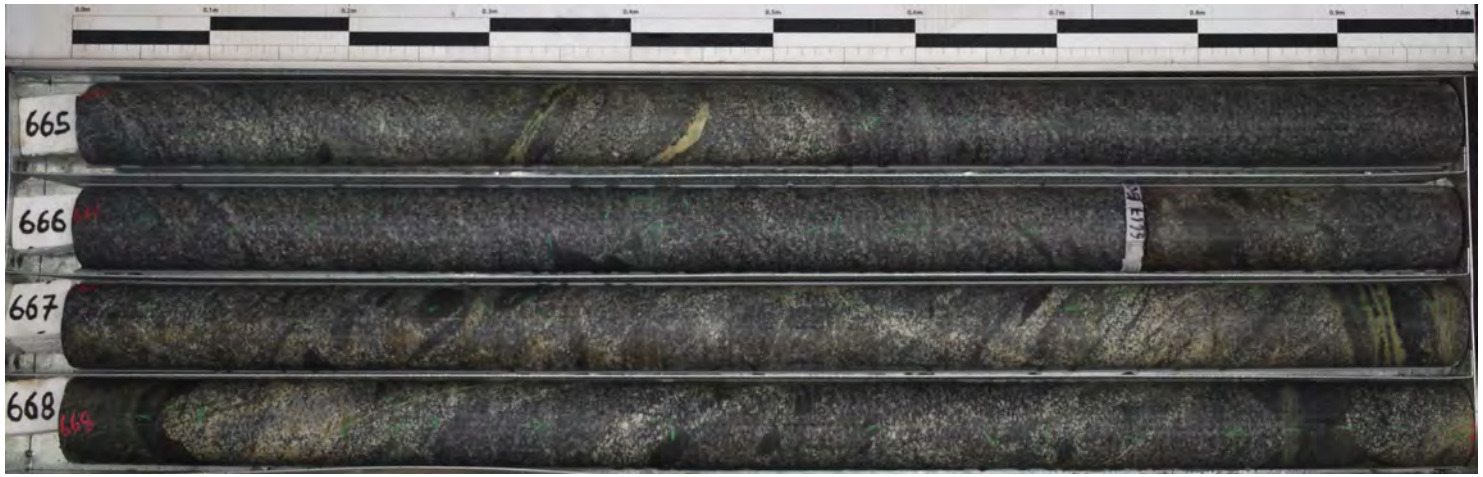


PointID : BHUA-04 Depth Range: 661.00 - 665.00 m

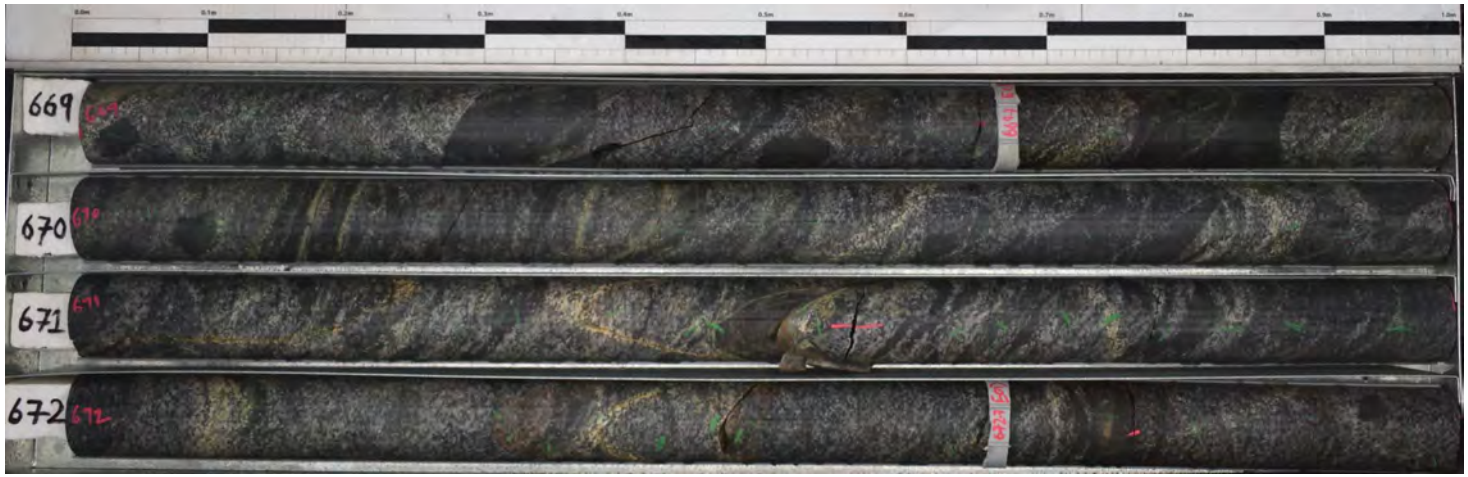
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 89/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:24 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 : BHUA-04 Depth Range: 665.00 - 669.00 m

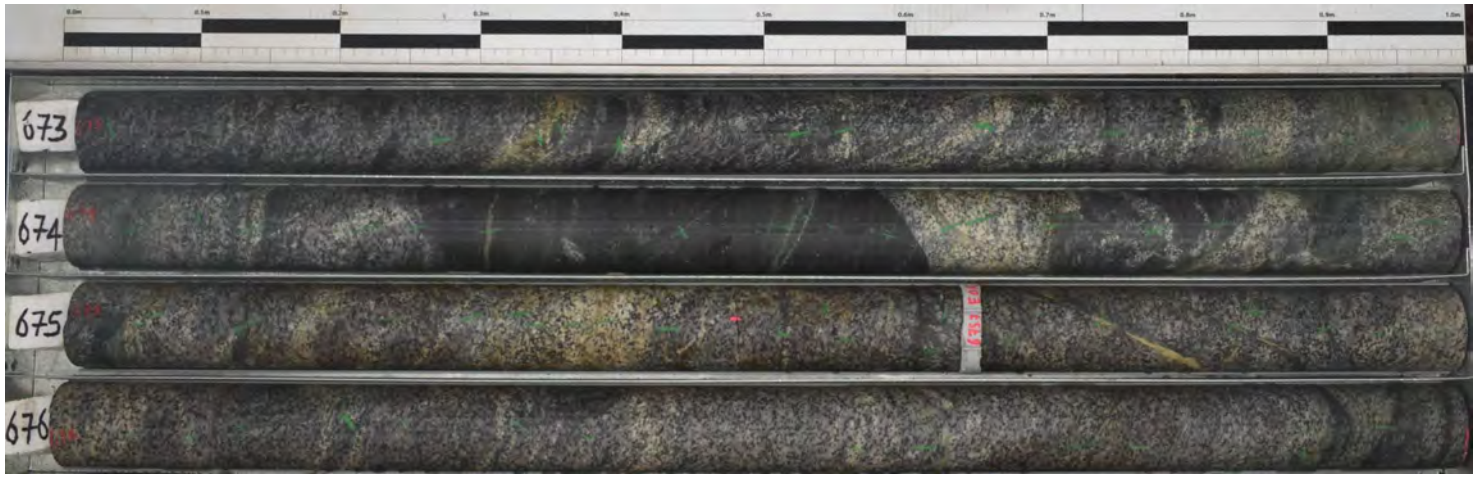


PointID : BHUA-04 Depth Range: 669.00 - 673.00 m

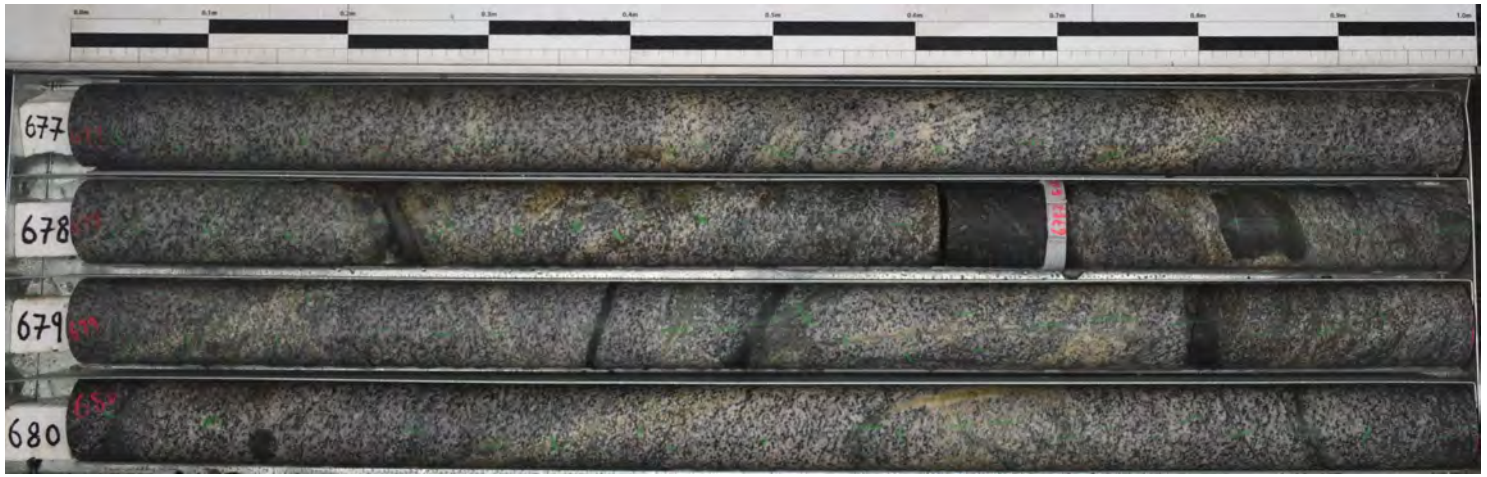
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 90/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:27 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 : BHUA-04 Depth Range: 673.00 - 677.00 m



PointID : BHUA-04 Depth Range: 677.00 - 681.00 m

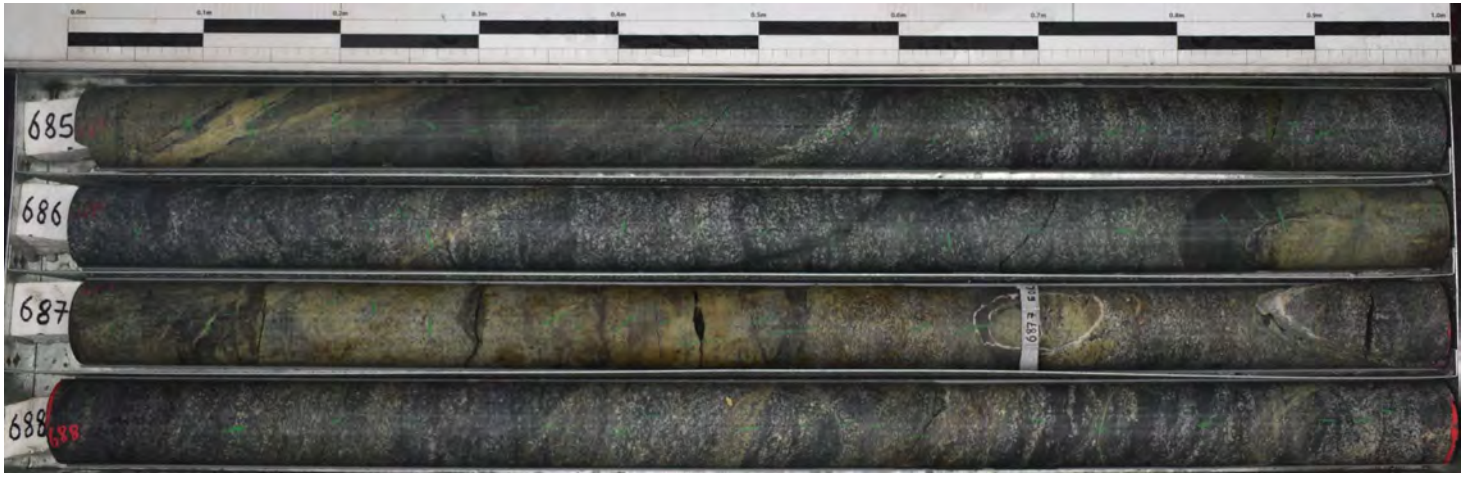
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 91/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:27 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 : BHUA-04 Depth Range: 681.00 - 685.00 m

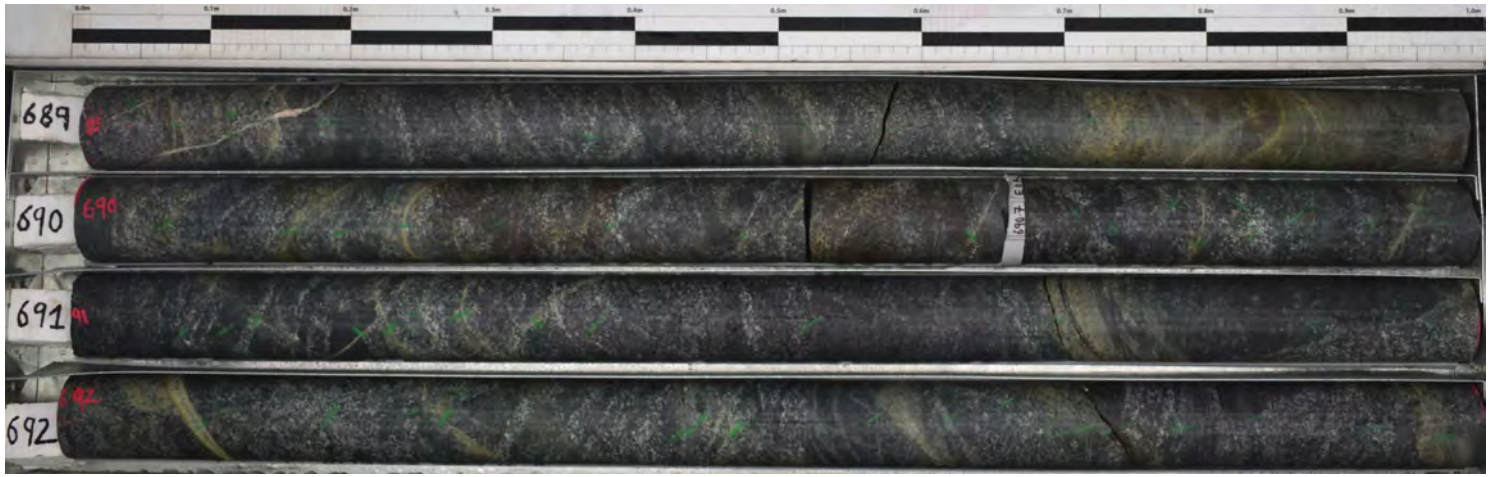


PointID : BHUA-04 Depth Range: 685.00 - 689.00 m

wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 92/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:27 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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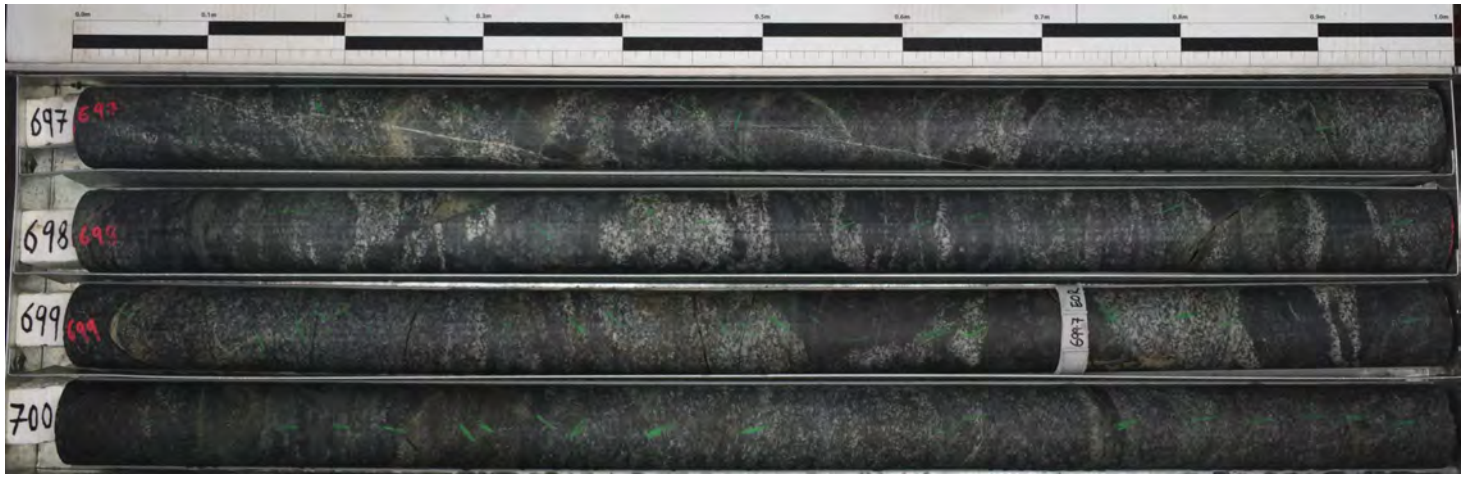
PointID : BHUA-04 Depth Range: 689.00 - 693.00 m



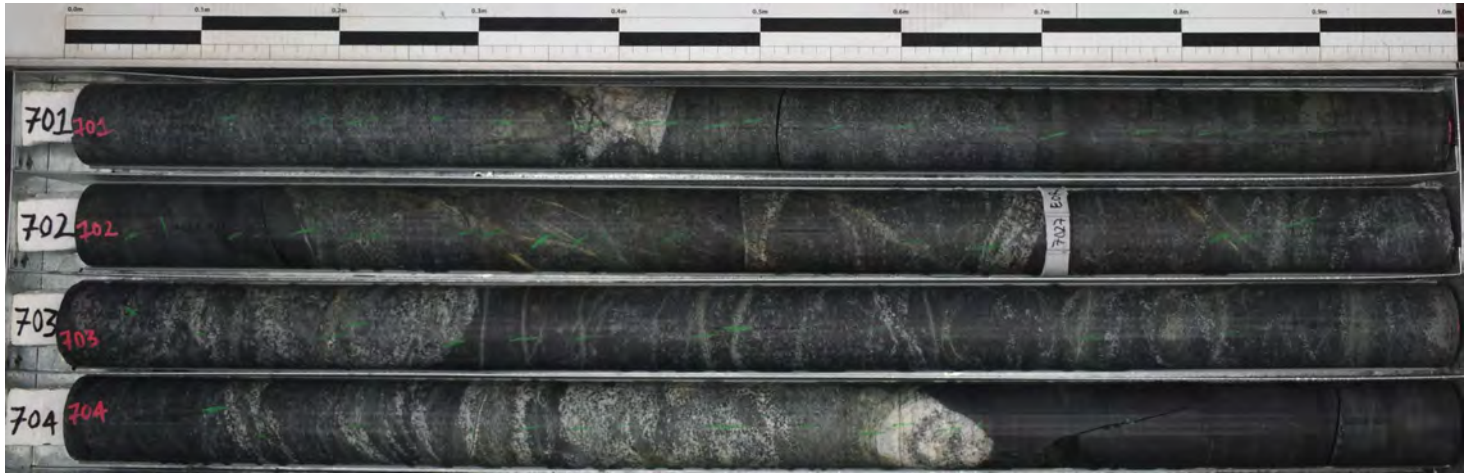
PointID : BHUA-04 Depth Range: 693.00 - 697.00 m

wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 93/119

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PointID : BHUA-04 Depth Range: 697.00 - 701.00 m

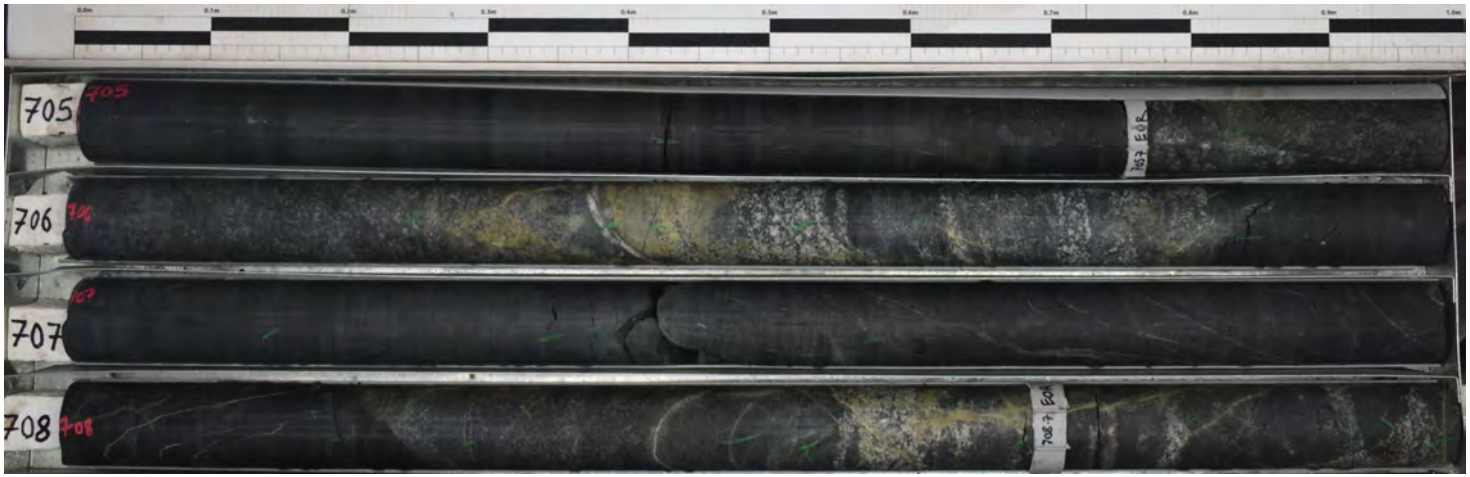


PointID : BHUA-04 Depth Range: 701.00 - 705.00 m

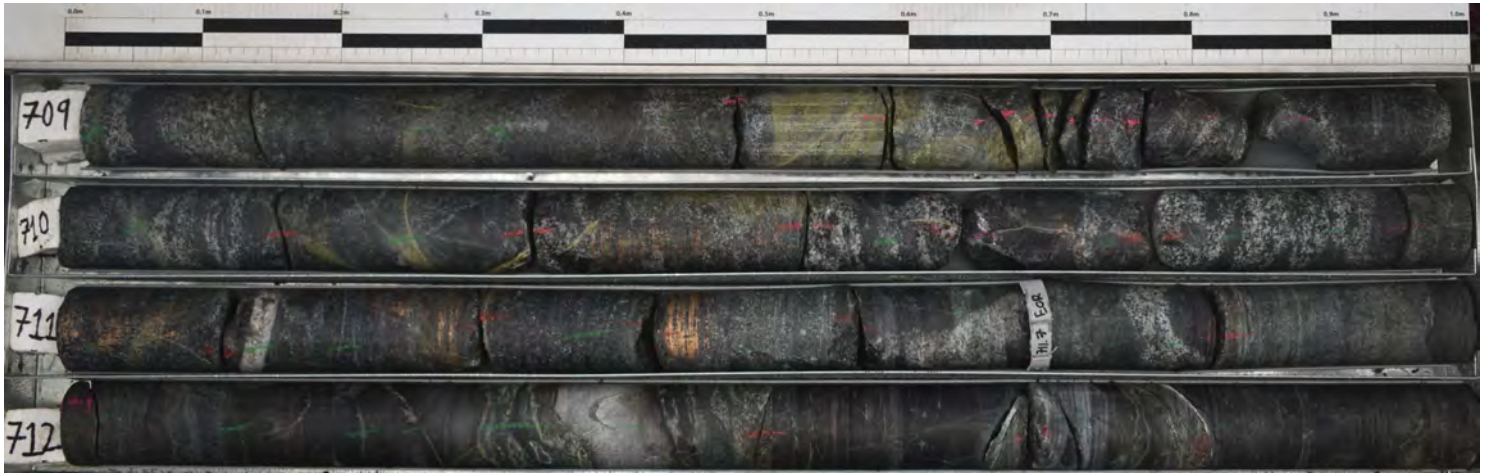
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC / DATE: 2/12/2024 CHECKED: GEM / DATE: 4/12/2024 SCALE: Not To Scale / A4 PROJECT No: PS138693 / FIGURE No: 94/119	

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:27 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 : BHUA-04 Depth Range: 705.00 - 709.00 m

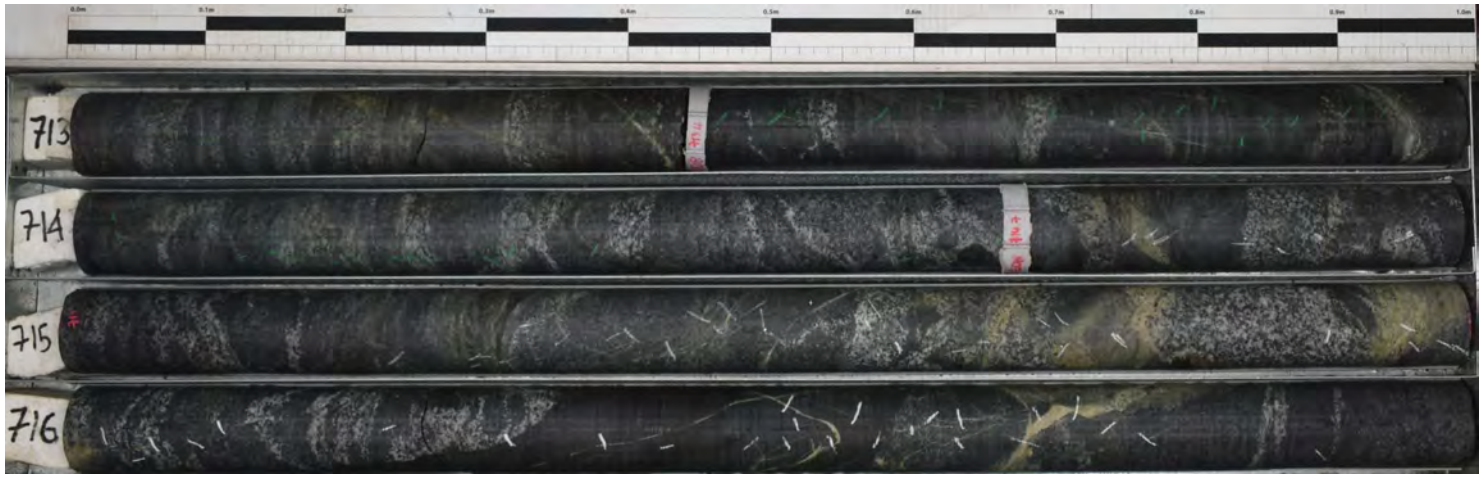


PointID : BHUA-04 Depth Range: 709.00 - 713.00 m

wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 95/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:27 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 : BHUA-04 Depth Range: 713.00 - 717.00 m

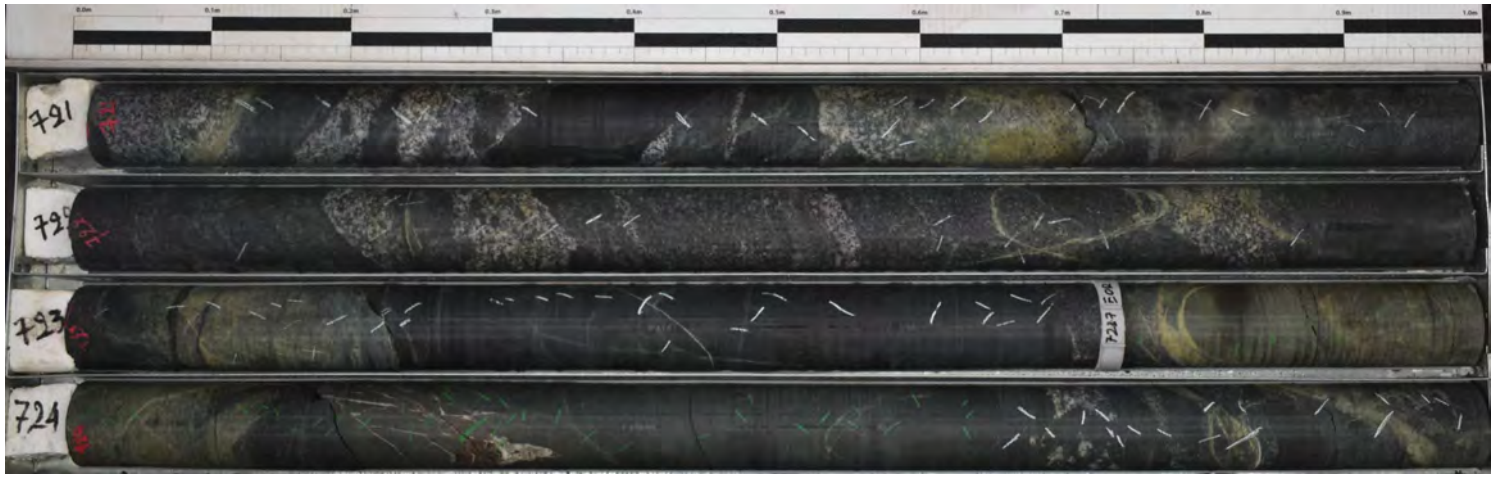


PointID : BHUA-04 Depth Range: 717.00 - 721.00 m

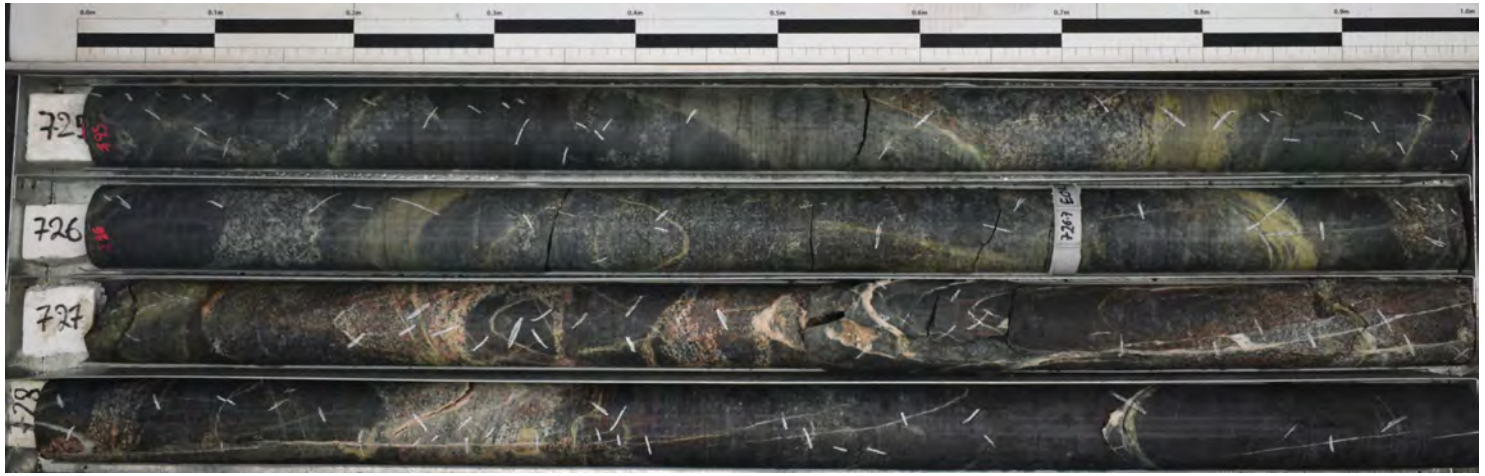
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 96/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:27 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 : BHUA-04 Depth Range: 721.00 - 725.00 m

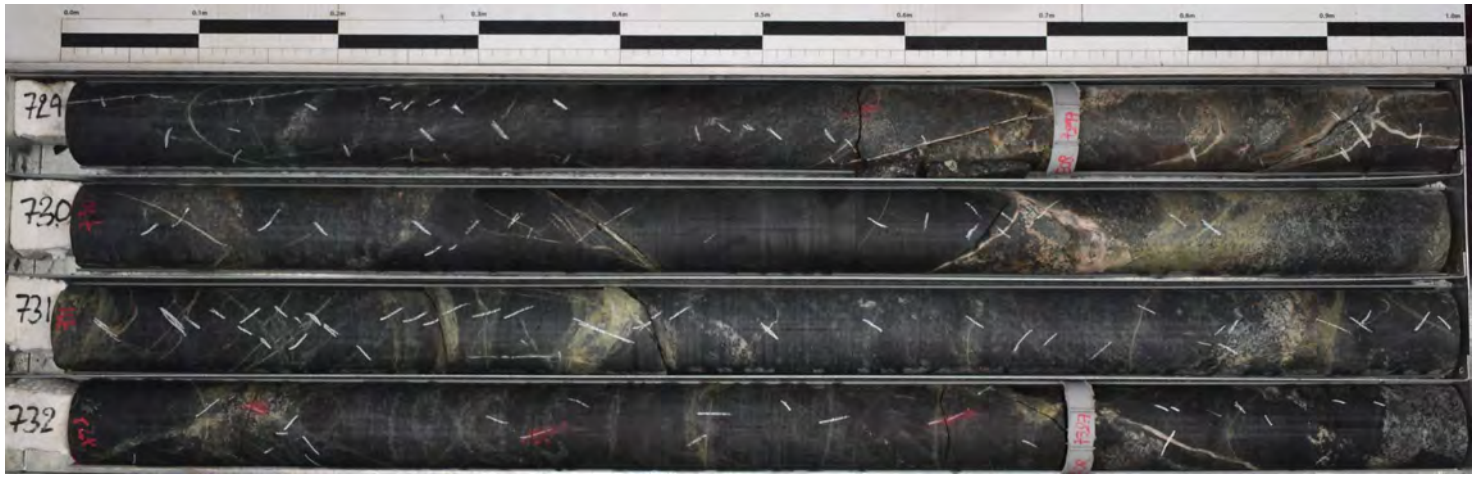


PointID : BHUA-04 Depth Range: 725.00 - 729.00 m

wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 97/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:27 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 : BHUA-04 Depth Range: 729.00 - 733.00 m

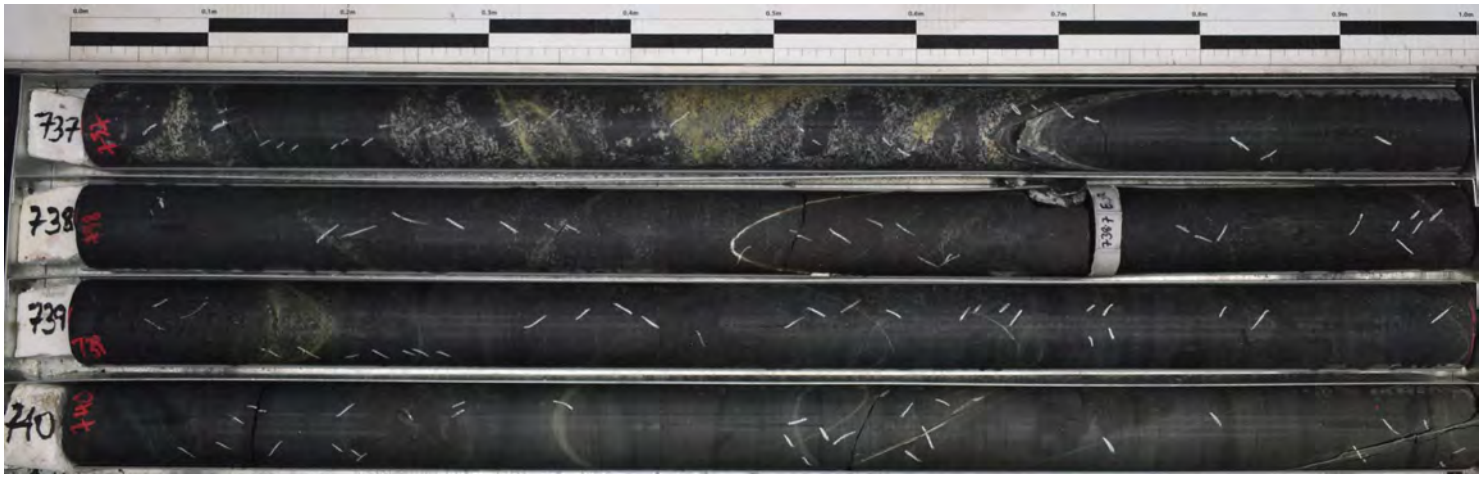


PointID : BHUA-04 Depth Range: 733.00 - 737.00 m

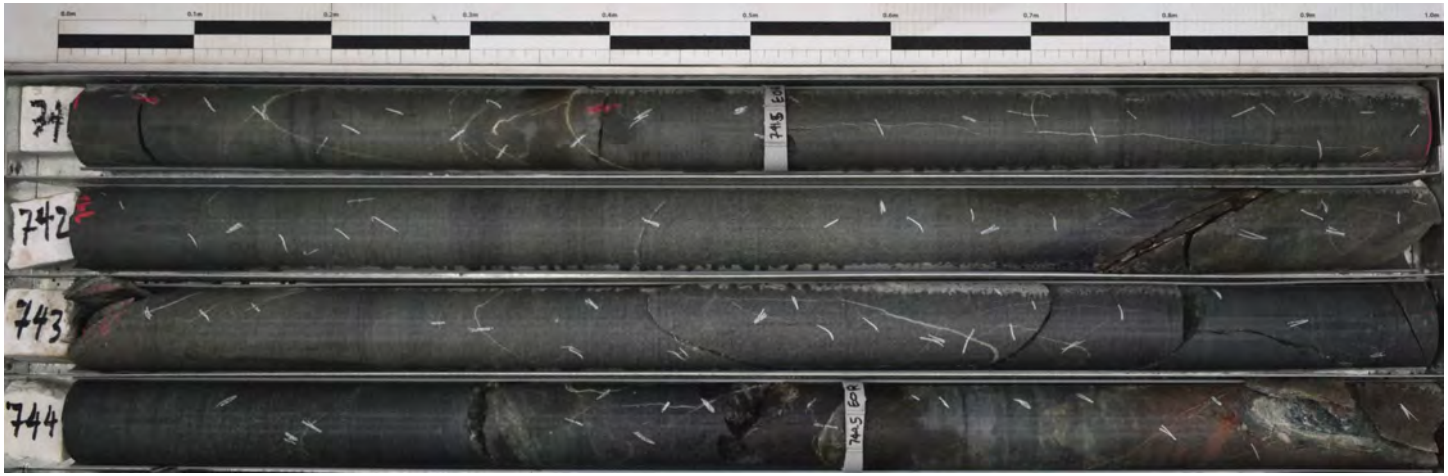
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 98/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:27 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 : BHUA-04 Depth Range: 737.00 - 741.00 m

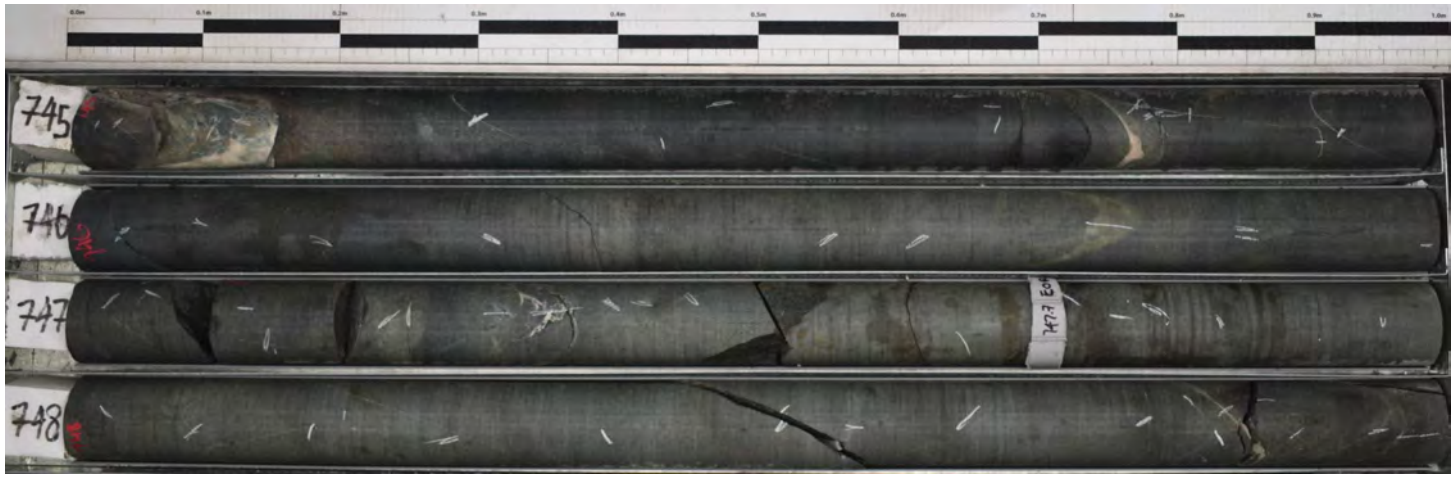


PointID : BHUA-04 Depth Range: 741.00 - 745.00 m

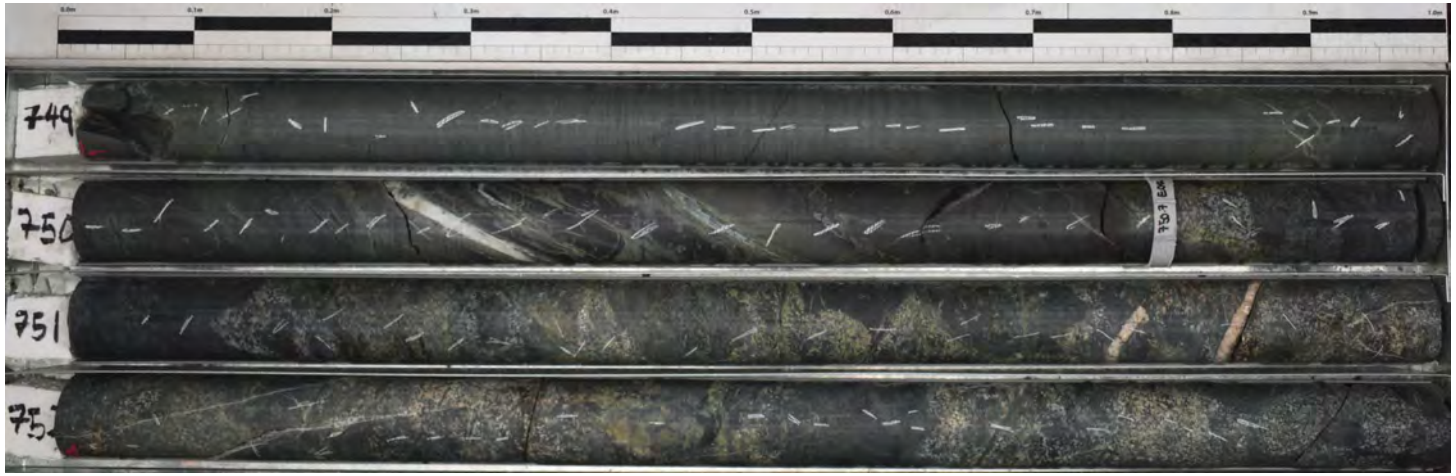
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 99/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:28 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 : BHUA-04 Depth Range: 745.00 - 749.00 m



PointID : BHUA-04 Depth Range: 749.00 - 753.00 m

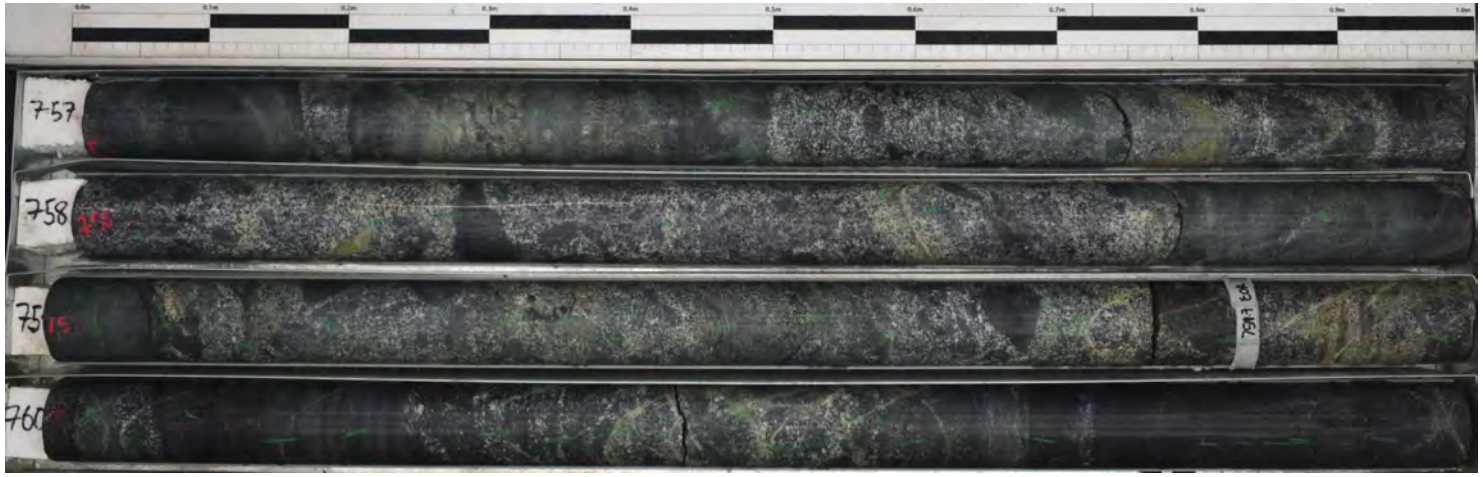
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 100/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:28 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 : BHUA-04 Depth Range: 753.00 - 757.00 m



PointID : BHUA-04 Depth Range: 757.00 - 761.00 m

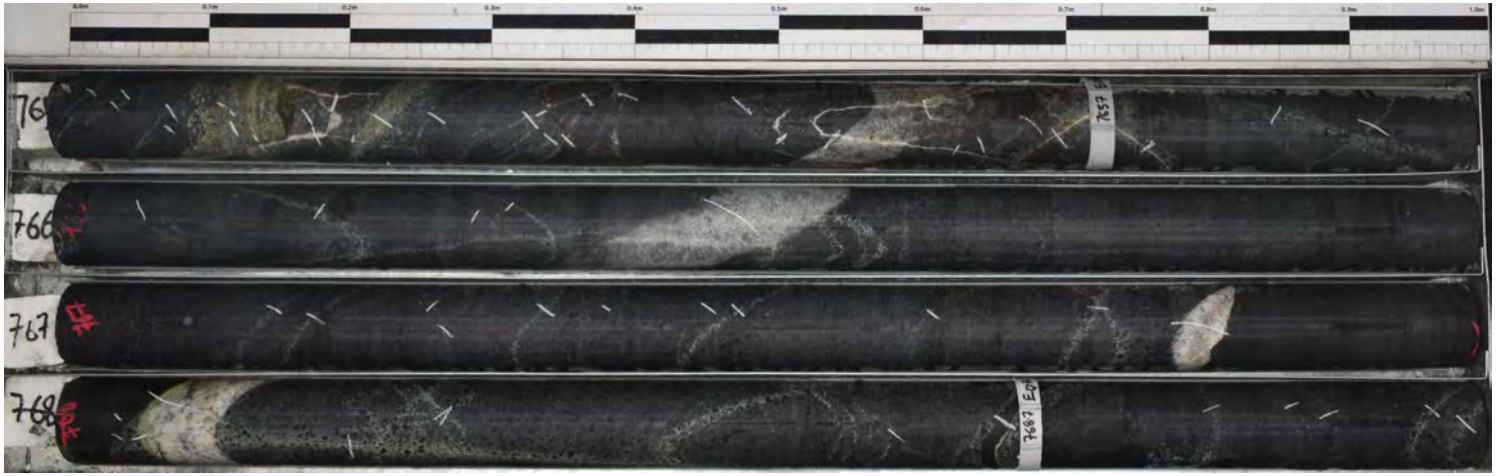
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 101/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:28 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 : BHUA-04 Depth Range: 761.00 - 765.00 m

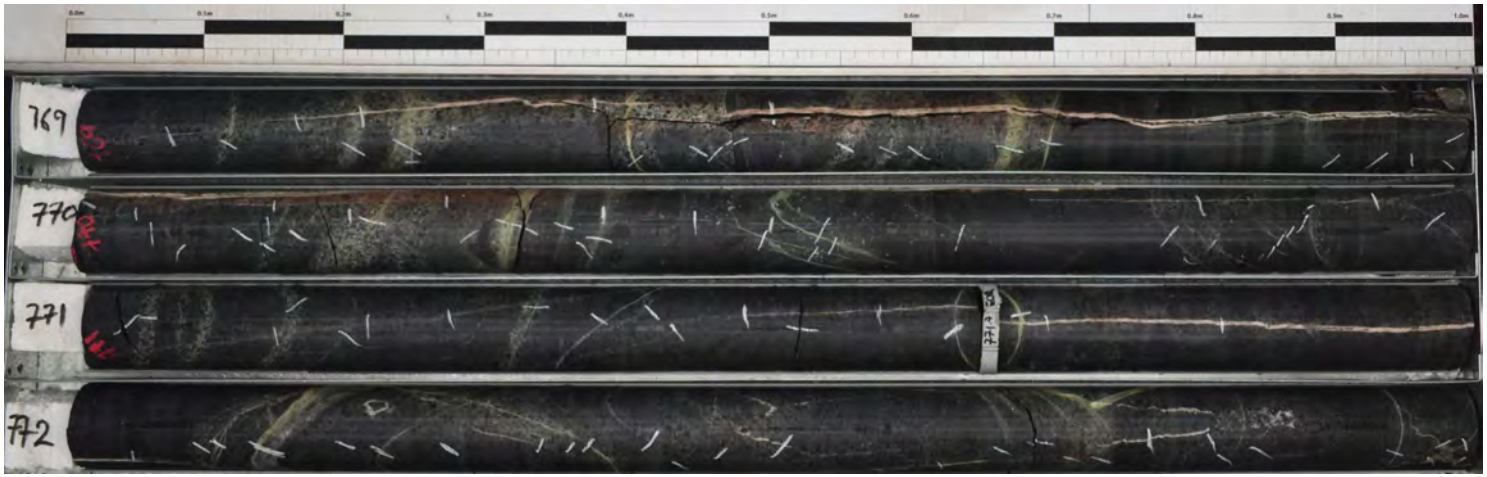


PointID : BHUA-04 Depth Range: 765.00 - 769.00 m

wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 102/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:28 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 : BHUA-04 Depth Range: 769.00 - 773.00 m



PointID : BHUA-04 Depth Range: 773.00 - 777.00 m

wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 103/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:28 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 : BHUA-04 Depth Range: 777.00 - 781.00 m

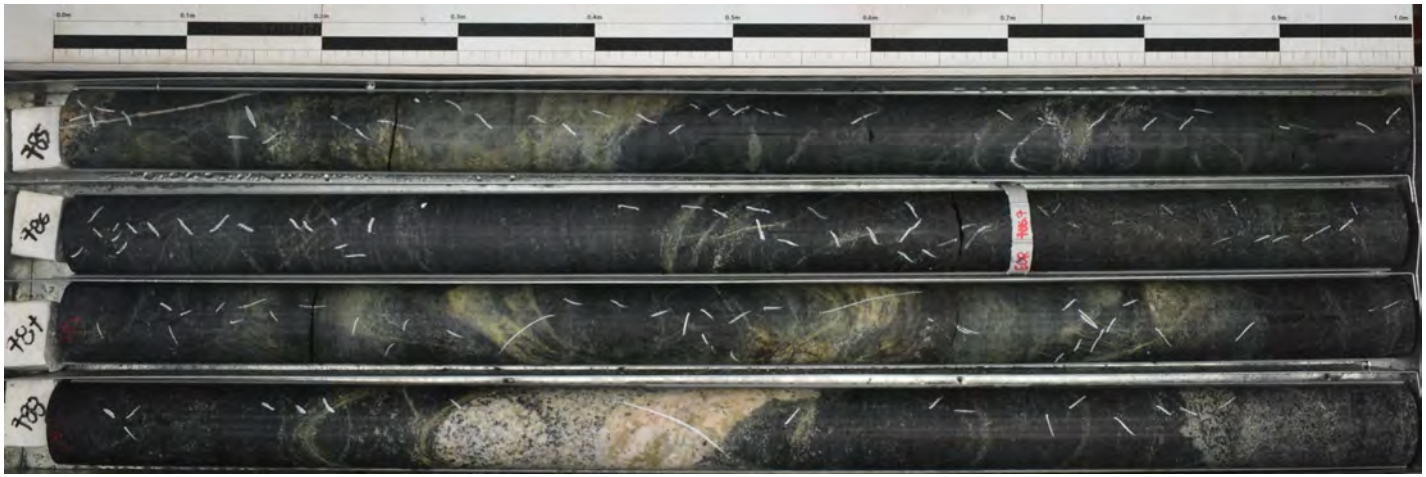


PointID : BHUA-04 Depth Range: 781.00 - 785.00 m

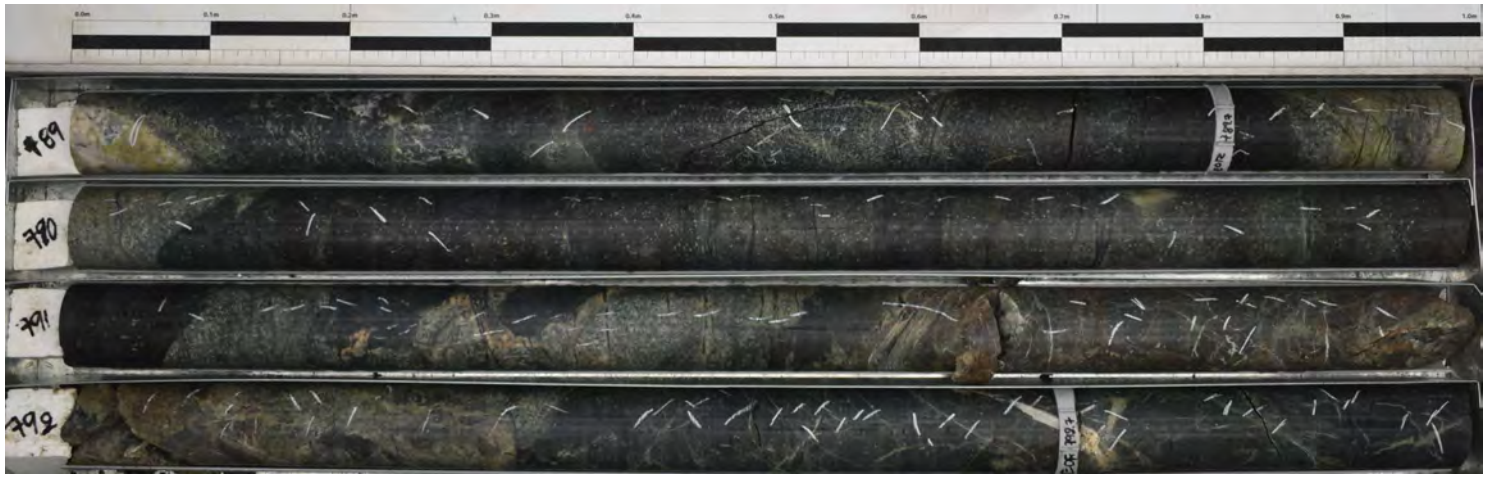
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 104/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:28 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 : BHUA-04 Depth Range: 785.00 - 789.00 m

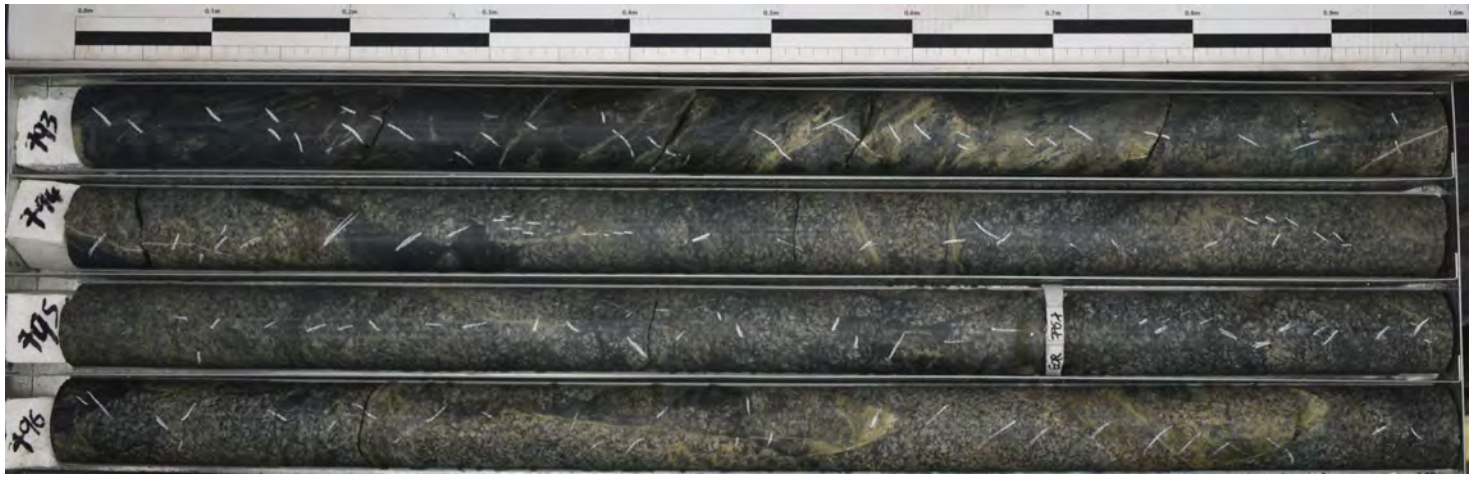


PointID : BHUA-04 Depth Range: 789.00 - 793.00 m

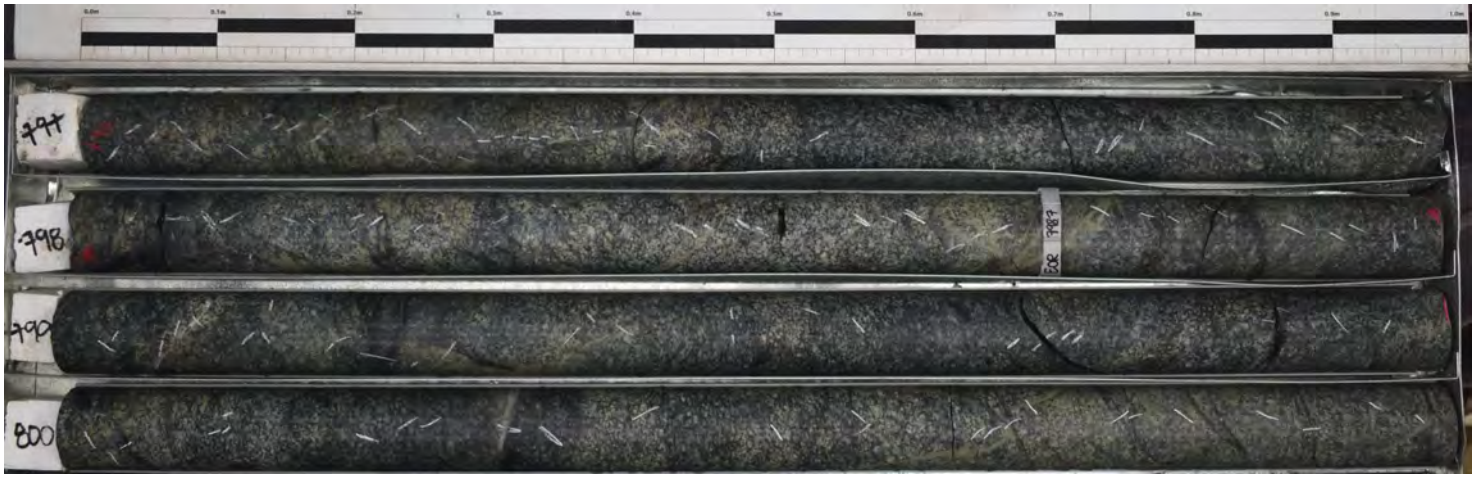
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 105/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:28 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 : BHUA-04 Depth Range: 793.00 - 797.00 m



PointID : BHUA-04 Depth Range: 797.00 - 801.00 m

wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 106/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:28 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 : BHUA-04 Depth Range: 801.00 - 805.00 m



PointID : BHUA-04 Depth Range: 805.00 - 809.00 m

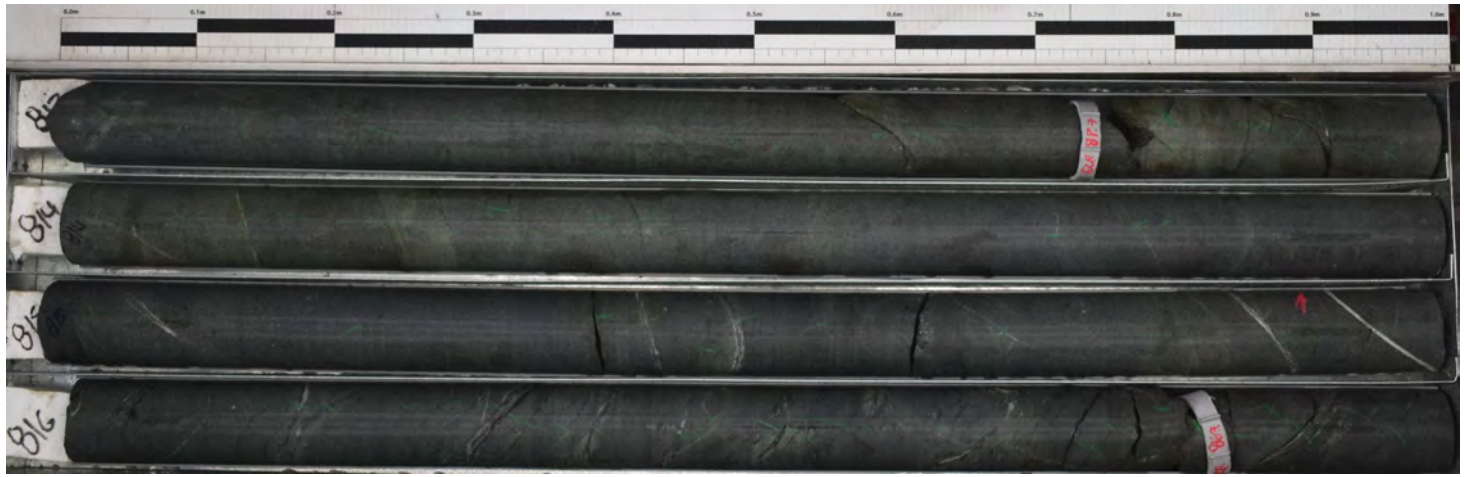
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		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 107/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:28 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 : BHUA-04 Depth Range: 809.00 - 813.00 m



PointID : BHUA-04 Depth Range: 813.00 - 817.00 m

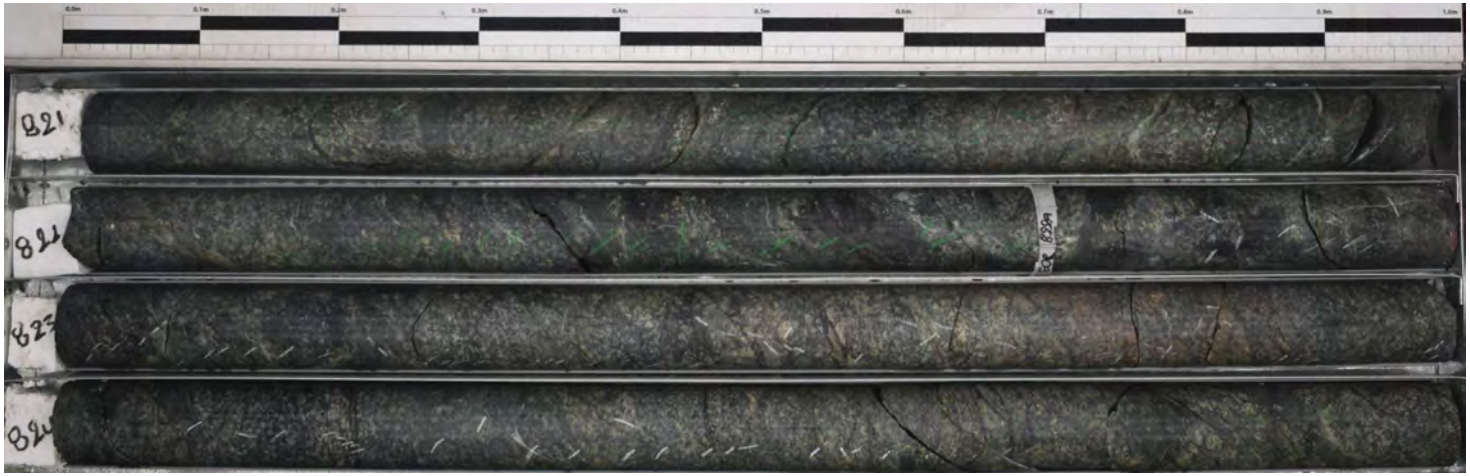
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 108/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:29 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 : BHUA-04 Depth Range: 817.00 - 821.00 m



PointID : BHUA-04 Depth Range: 821.00 - 825.00 m

wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 109/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:29 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 : BHUA-04 Depth Range: 825.00 - 829.00 m

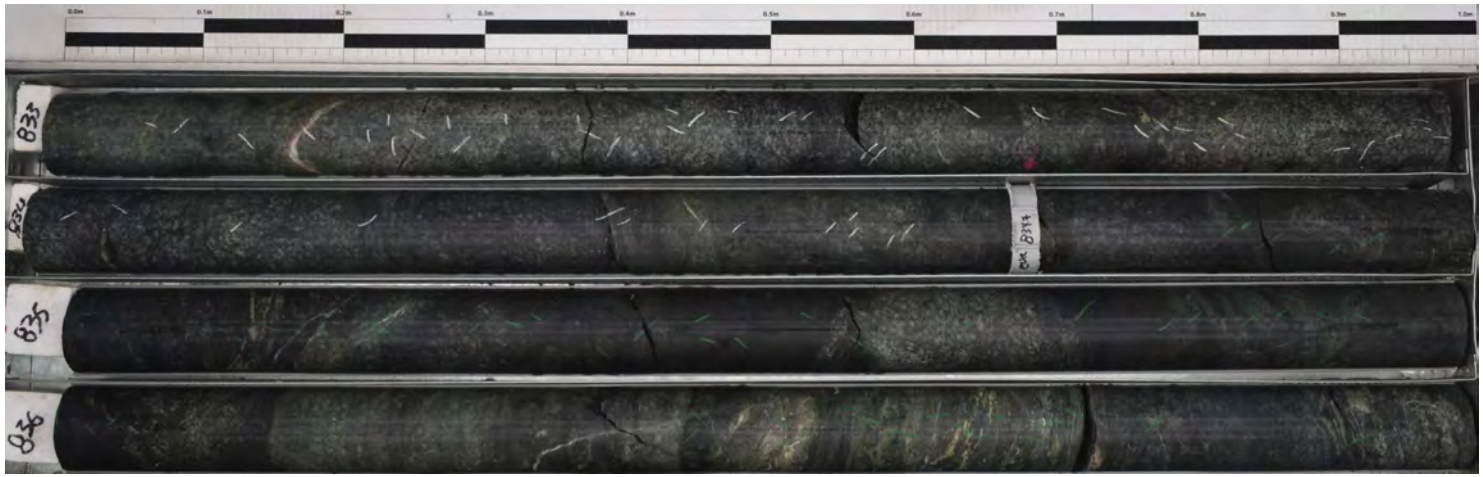


PointID : BHUA-04 Depth Range: 829.00 - 833.00 m

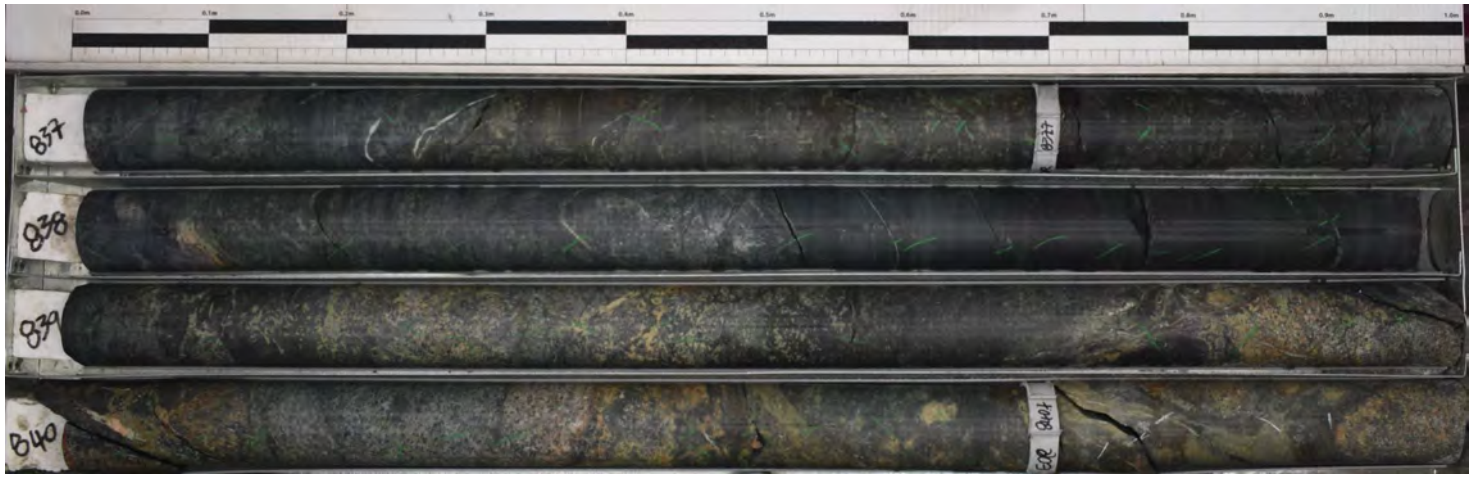
wsp	TITLE Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN RC / DATE 2/12/2024 CHECKED GEM / DATE 4/12/2024 SCALE Not To Scale / A4 PROJECT No PS138693 / FIGURE No 110/119	

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:29 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 : BHUA-04 Depth Range: 833.00 - 837.00 m

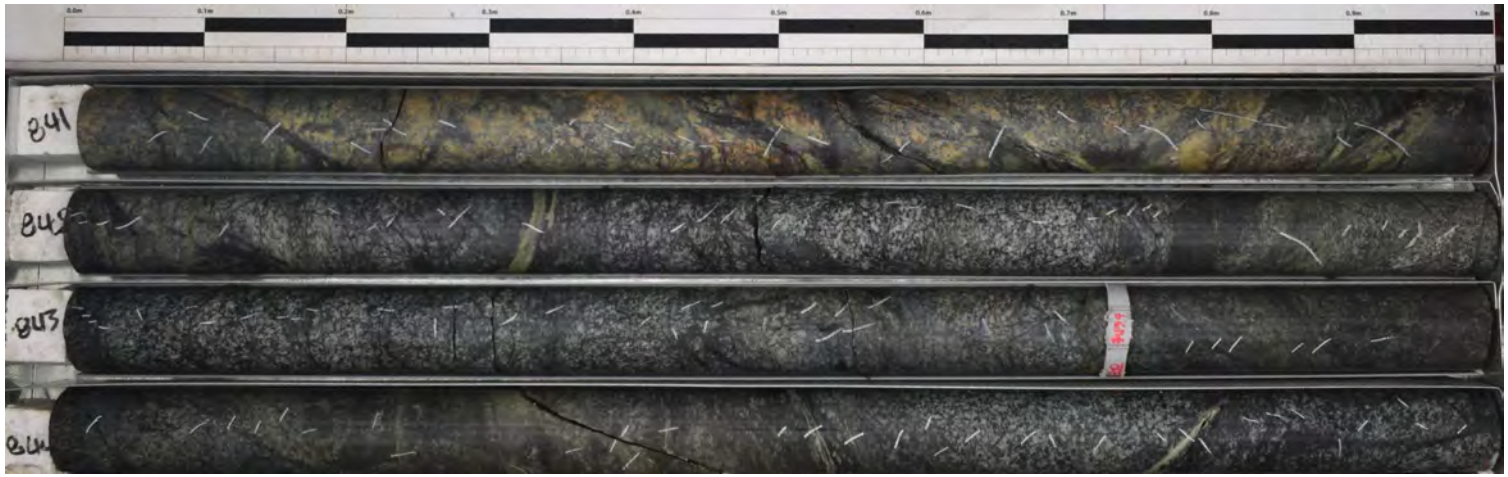


PointID : BHUA-04 Depth Range: 837.00 - 841.00 m

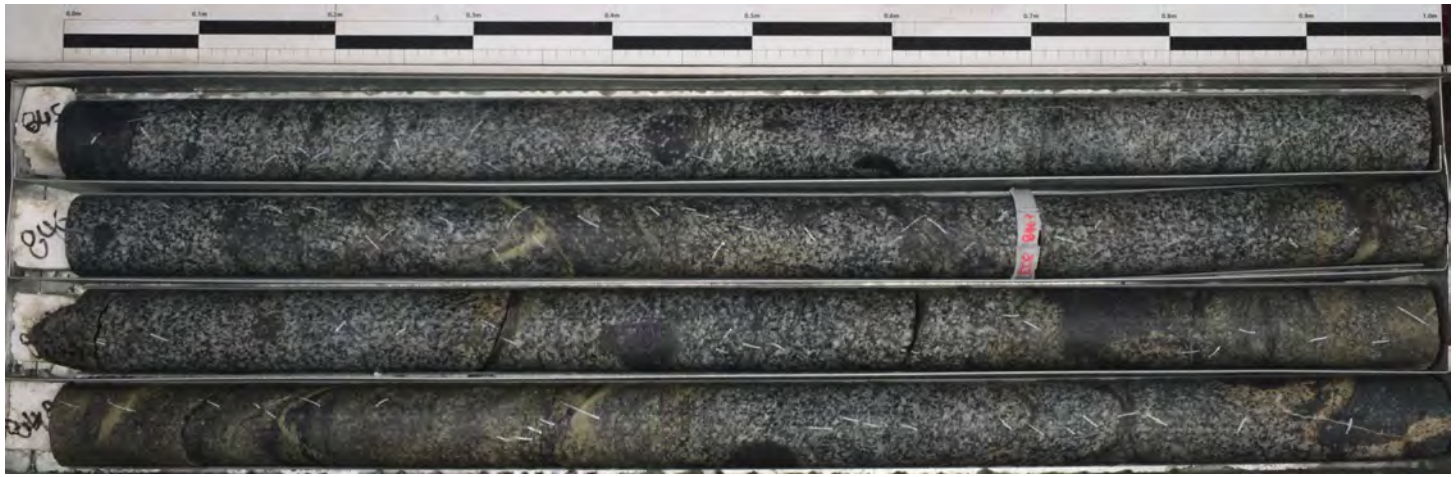
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 111/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:29 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 : BHUA-04 Depth Range: 841.00 - 845.00 m

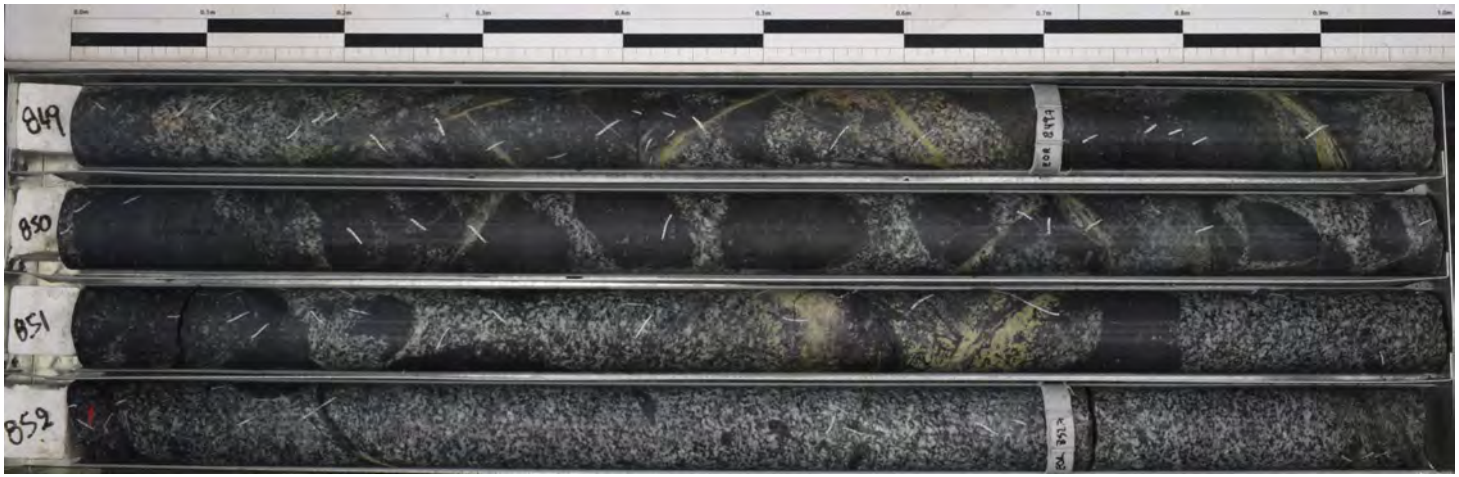


PointID : BHUA-04 Depth Range: 845.00 - 849.00 m

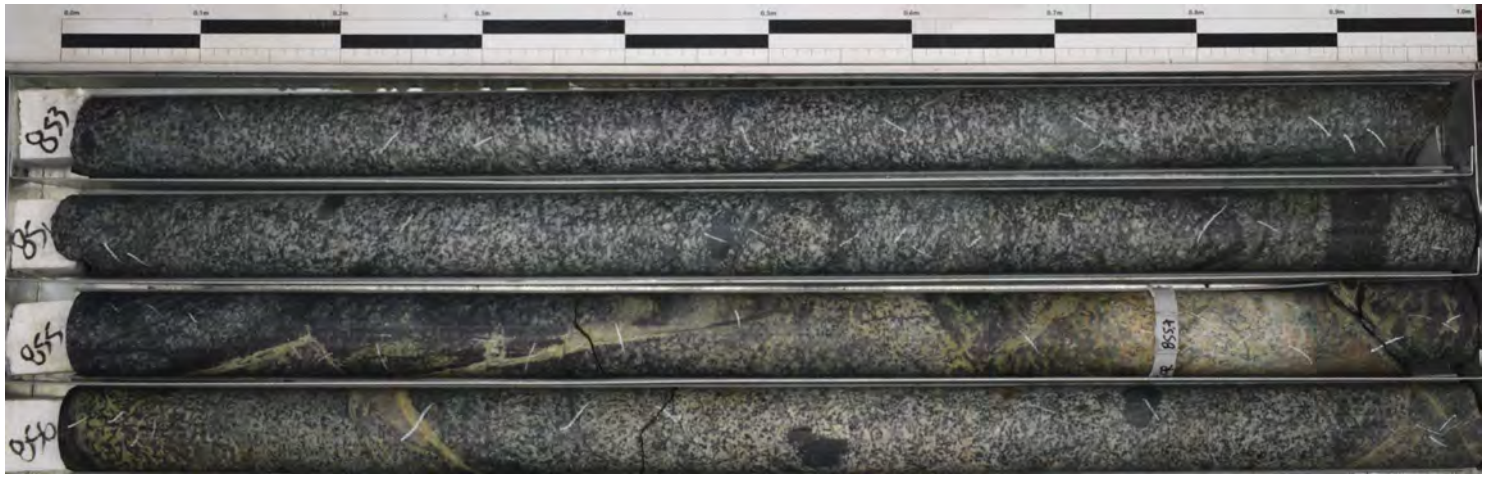
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 112/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:29 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 : BHUA-04 Depth Range: 849.00 - 853.00 m

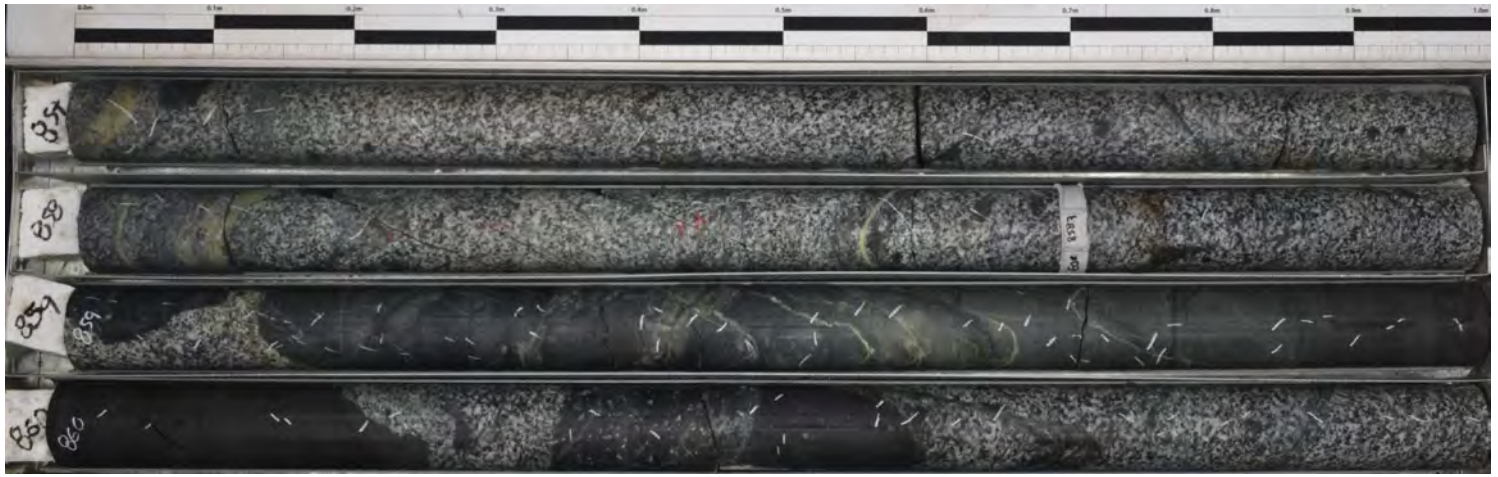


PointID : BHUA-04 Depth Range: 853.00 - 857.00 m

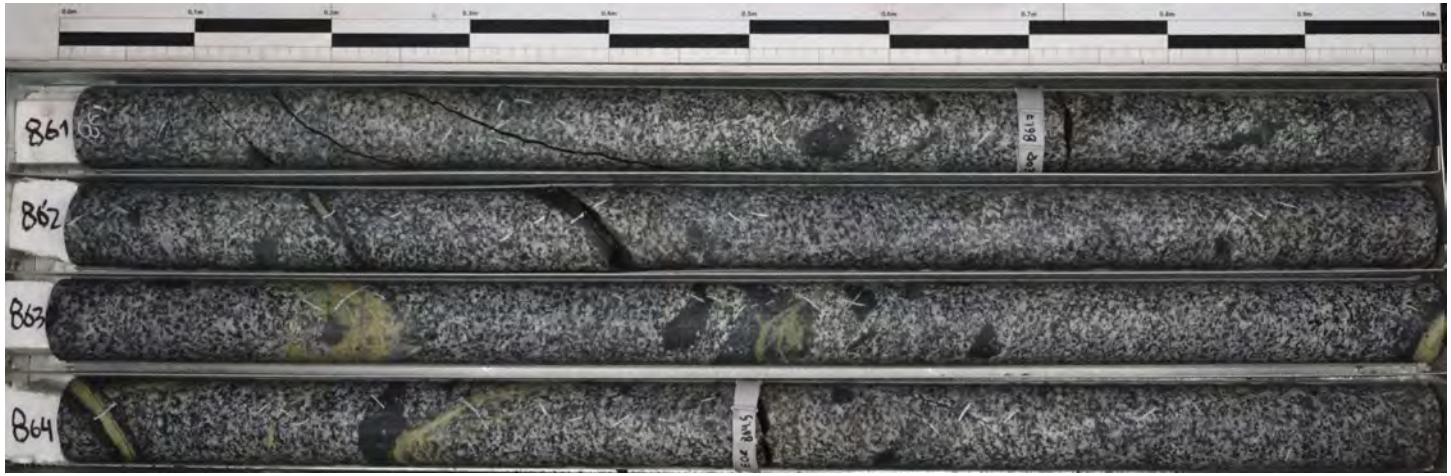
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 113/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:29 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 : BHUA-04 Depth Range: 857.00 - 861.00 m



PointID : BHUA-04 Depth Range: 861.00 - 865.00 m

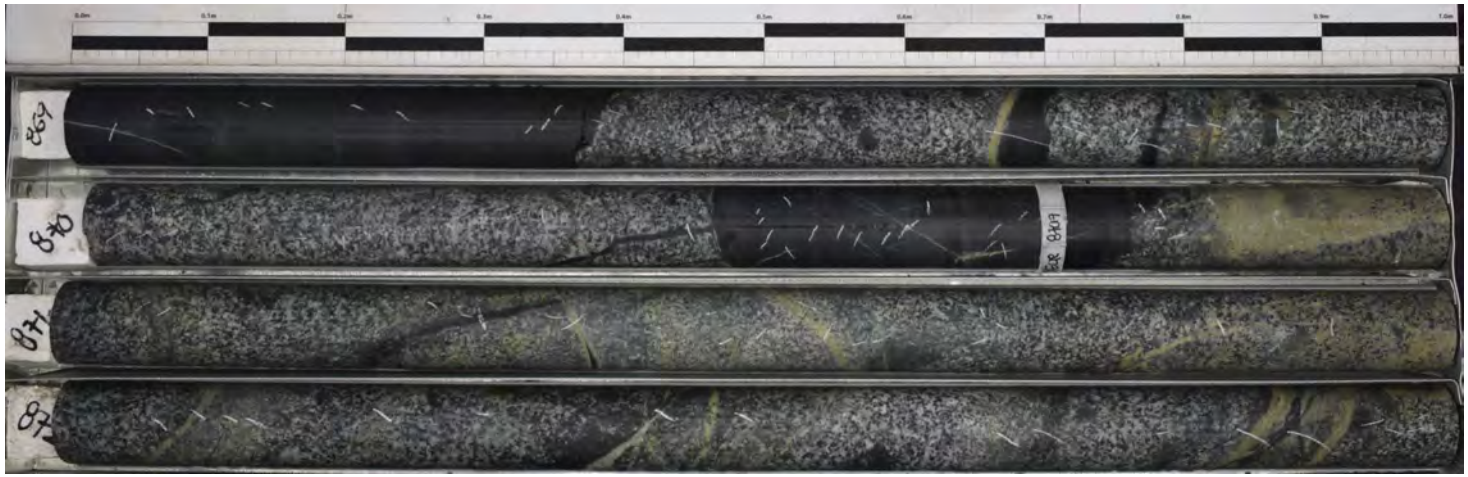
wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 114/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:29 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 : BHUA-04 Depth Range: 865.00 - 869.00 m



PointID : BHUA-04 Depth Range: 869.00 - 873.00 m

wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 115/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:29 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 : BHUA-04 Depth Range: 873.00 - 877.00 m



PointID : BHUA-04 Depth Range: 877.00 - 881.00 m

wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 116/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:29 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 : BHUA-04 Depth Range: 881.00 - 885.00 m



PointID : BHUA-04 Depth Range: 885.00 - 889.00 m

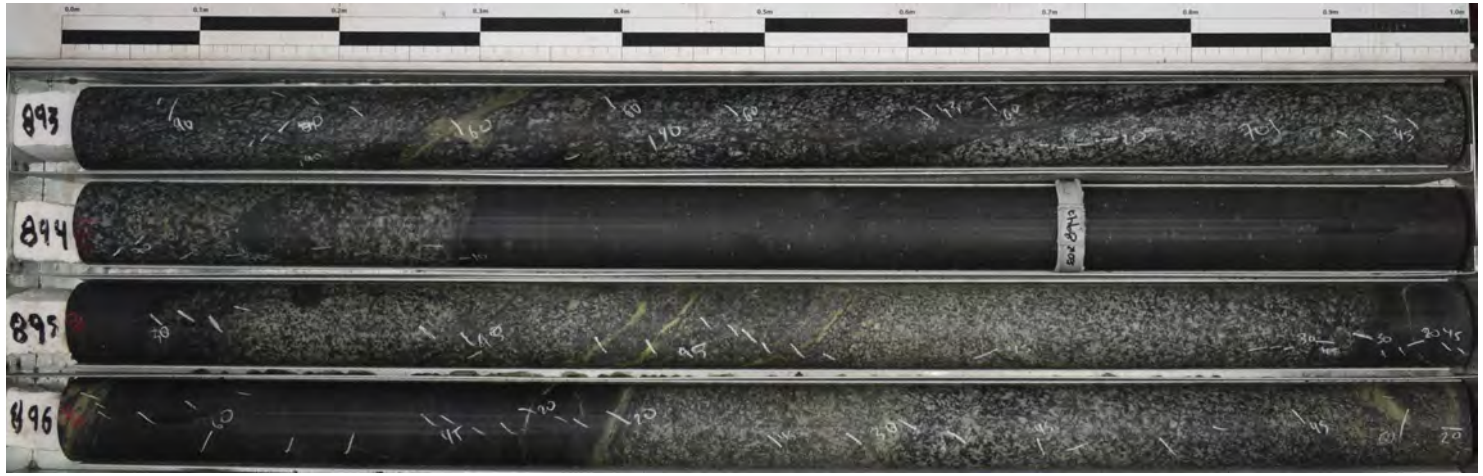
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		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 117/119

PBPHES LIB_REVC.GLB GrfcTbl PHOTO CORE 2 PER PAGE VERT A4L BHUA-04 - 20241128.GPJ <<DrawingFile>> 2024/12/5 15:30 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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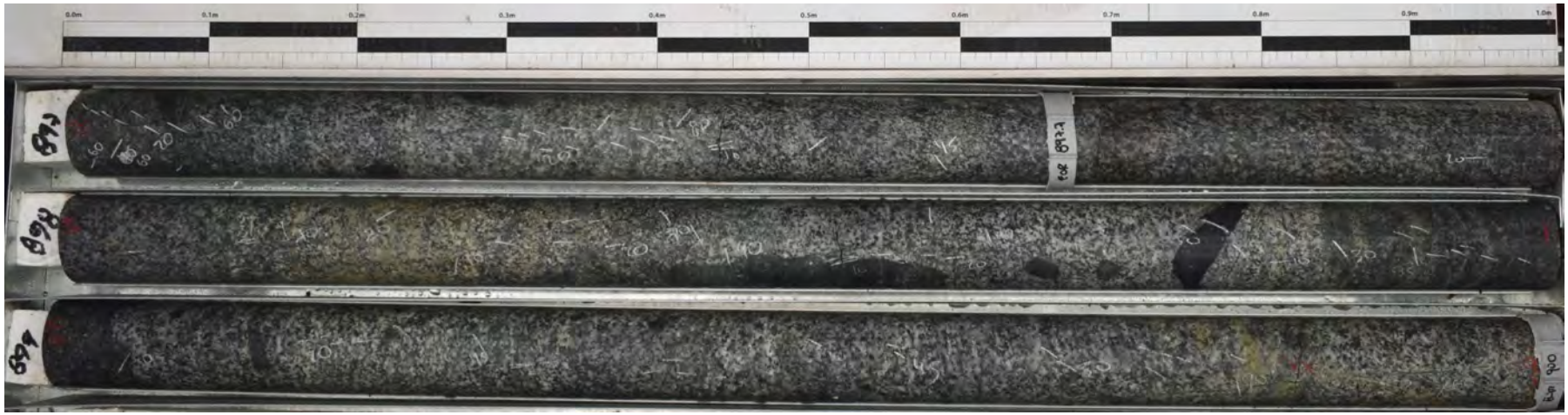
PointID : BHUA-04 Depth Range: 889.00 - 893.00 m



PointID : BHUA-04 Depth Range: 893.00 - 897.00 m

wsp	TITLE: Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN: RC	DATE: 2/12/2024
		CHECKED: GEM	DATE: 4/12/2024
		SCALE: Not To Scale	A4
		PROJECT No: PS138693	FIGURE No: 118/119

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PointID : BHUA-04 Depth Range: 897.00 - 900.00 m

wsp	TITLE Queensland Hydro Dalrymple Heights Pioneer-Burdekin PHES Core photo - BHUA-04	DRAWN RC / DATE 2/12/2024 CHECKED GEM / DATE 4/12/2024 SCALE Not To Scale / A4 PROJECT No PS138693 / FIGURE No 119/119	

BHUA-04 Structural Logs

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

GEOPHYSICAL RECORD OF BOREHOLE: BHUA-04

PROJECT: Pioneer-Burdekin PHES JOB # PS138693

CLIENT: Queensland Hydro DATE: 30/11/2024

BOREHOLE DETAILS

LOCATION:	Upper Reservoir A	BH DEPTH:	900.1 m
EASTING:	658881.59 m E	BH DIAMETER:	PQ / HQ
NORTHING:	7666238.08 m N	BH AZIMUTH:	198° TN
ELEVATION:	883.24 m	BH PLUNGE:	-84°
COORD SYSTEM:	MGA2020	CASING DEPTH:	20.62 / 150.07 m
LOGGING DATUM:	Ground Level	CASING TYPE:	HWT

DOCUMENT DETAILS

LOGGED BY:	GH/JH
LOGGED DATE:	July/Oct 2024
DRAWN BY:	GH
REVIEWED BY:	--
FILE:	BHUA-04_Struc_RevA
LOGGED DEPTH:	898.79 m

NOTES

PRELIMINARY LOGS ONLY, subject to review.

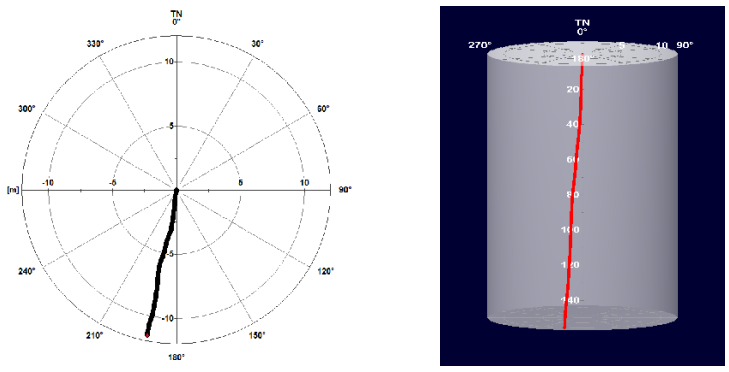
Borehole logged in separate runs for PQ and HQ sections.

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.

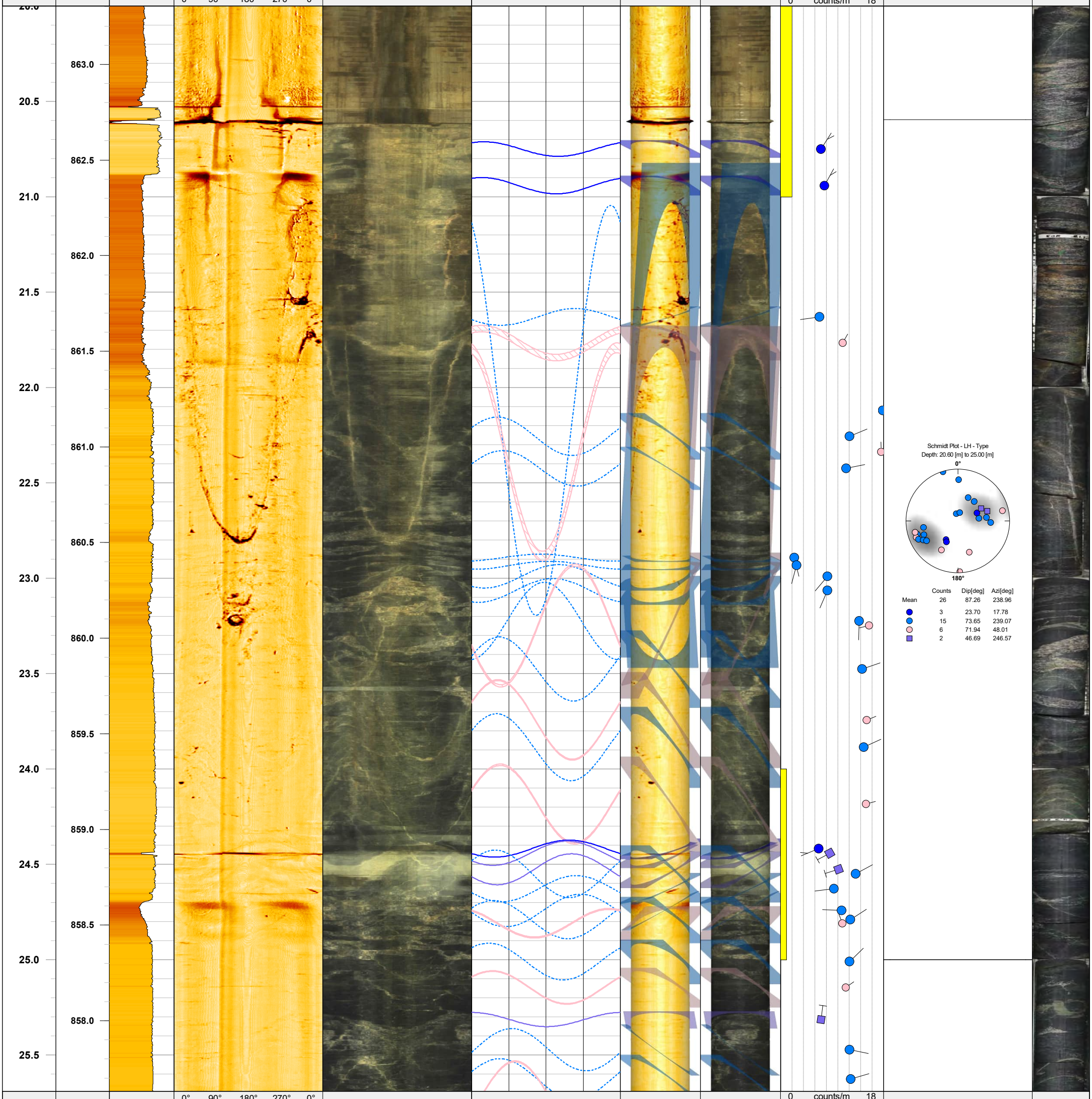
BOREHOLE DEVIATION



INTERPRETED STRUCTURES

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

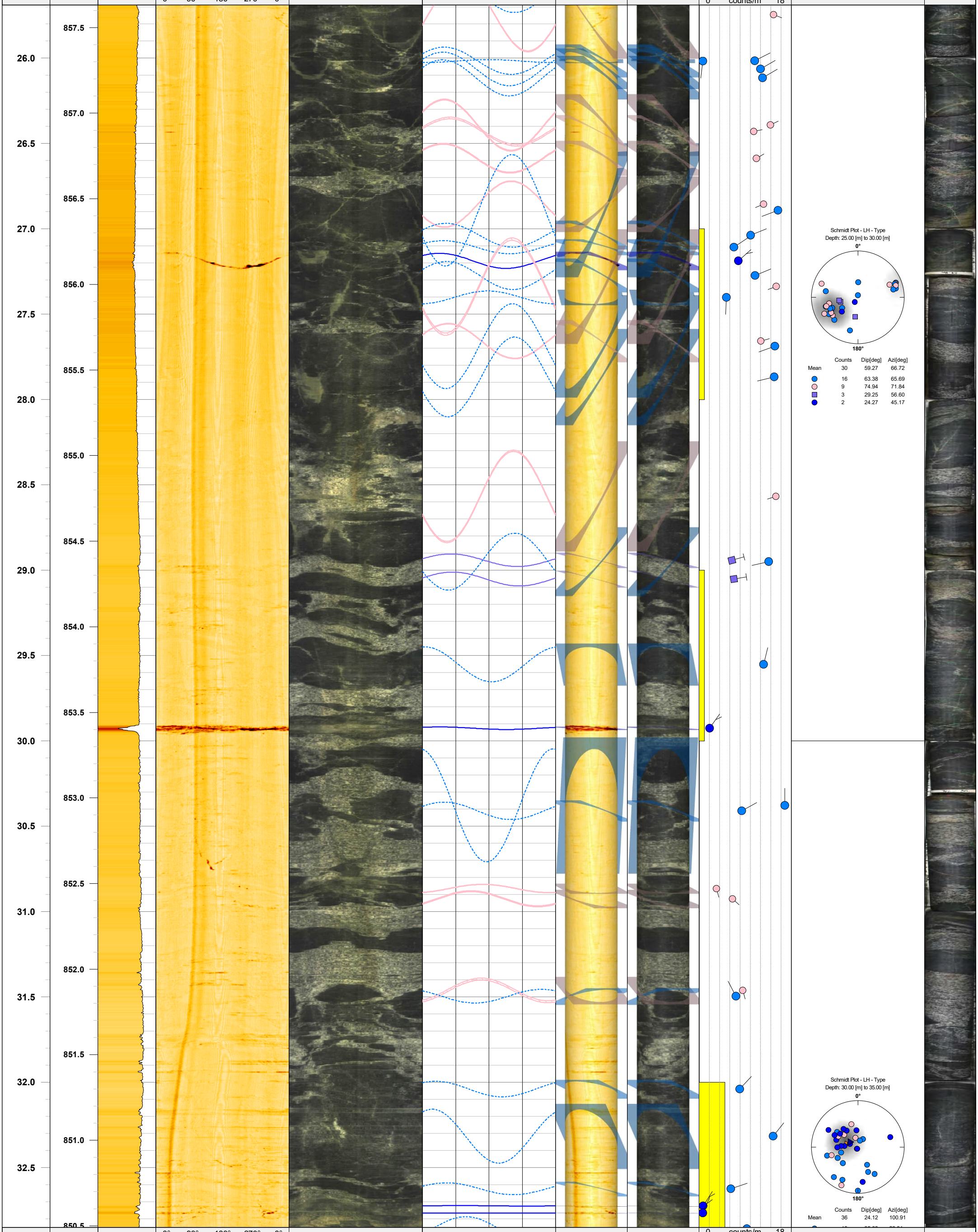
BHUA-04



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BHUA-04

Depth		Image Logs			Structural Data					Core
Depth 1m:20m	RL m AHD	Reflectivity	Amplitude-HS HPF 500 – 7000 0° 90° 180° 270° 0°	Image-HS 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 18	Stereoplots Schmidt Plot - LH - Type	Core Photo

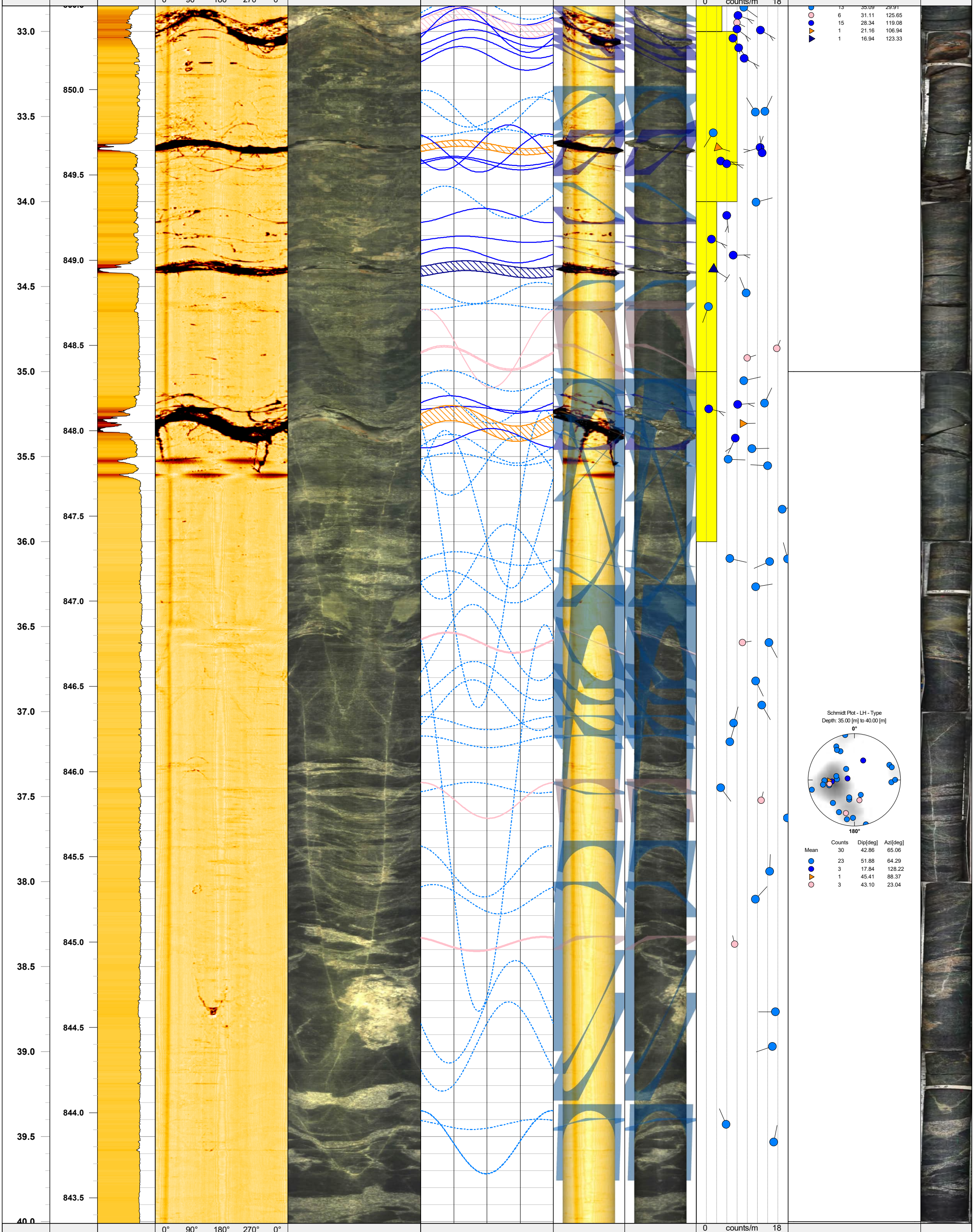


Depth		Image Logs			Structural Data					Core
1m:20m Depth	AHD RL m	Reflectivity	0° 90° 180° 270° 0° 500 – 7000 Amplitude-HS HPF	0° 90° 180° 270° 0° Image-HS	0° 90° 180° 270° 0° Apparent Structures	-0° 3D ATV	-0° 3D OTV	0 counts/m 18 Freq/metre 0 – 90 Structures - TN	Schmidt Plot - LH - Type Stereoplots	Core Photo

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BHUA-04

Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 – 7000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 – 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	



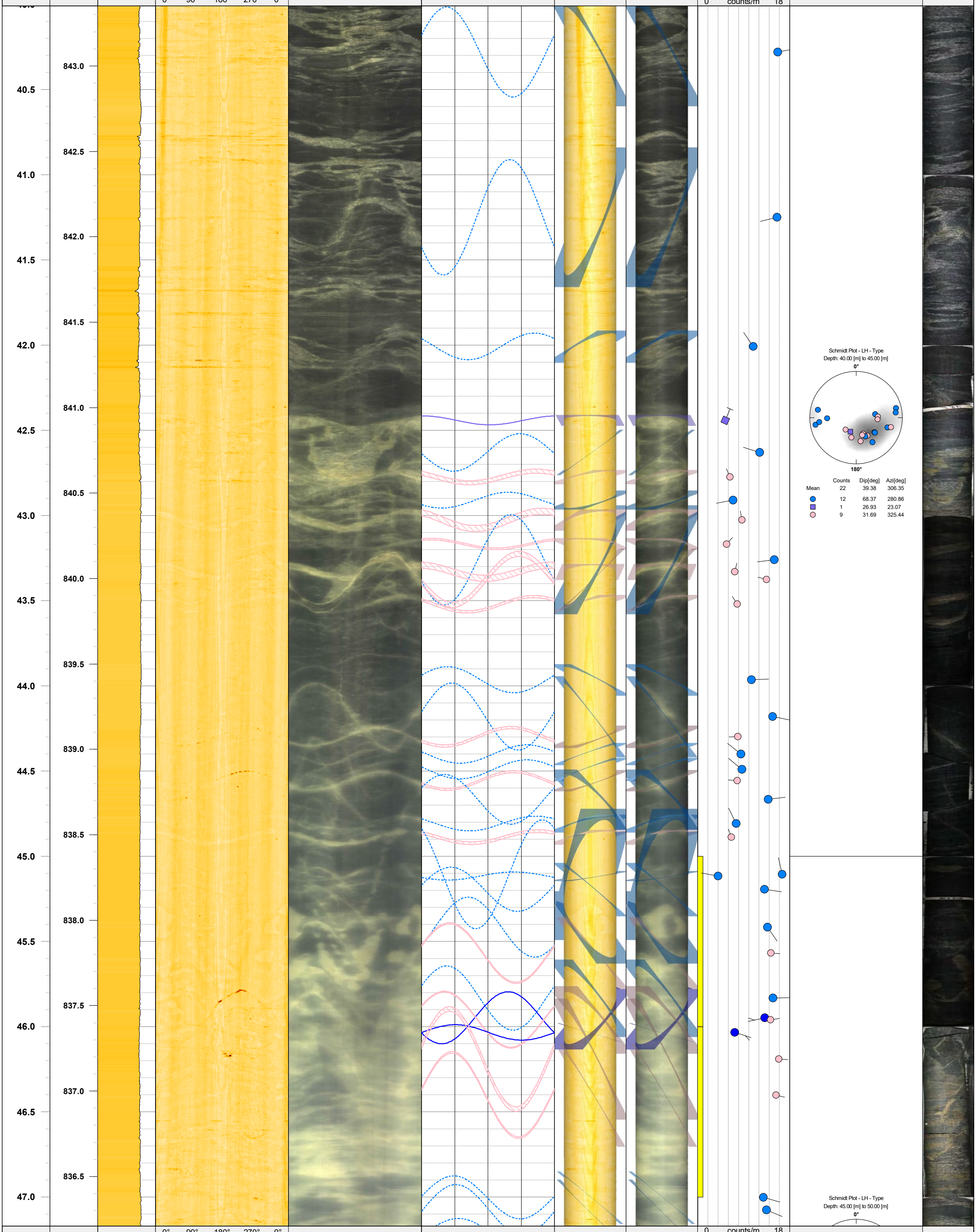
Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 – 7000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 – 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	

BHUA-04

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BHUA-04

Depth		Image Logs			Structural Data					Core
Depth 1m:20m	RL m AHD	Reflectivity	Amplitude-HS HPF 500 – 7000 0° 90° 180° 270° 0°	Image-HS 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 18	Stereoplots Schmidt Plot - LH - Type	Core Photo



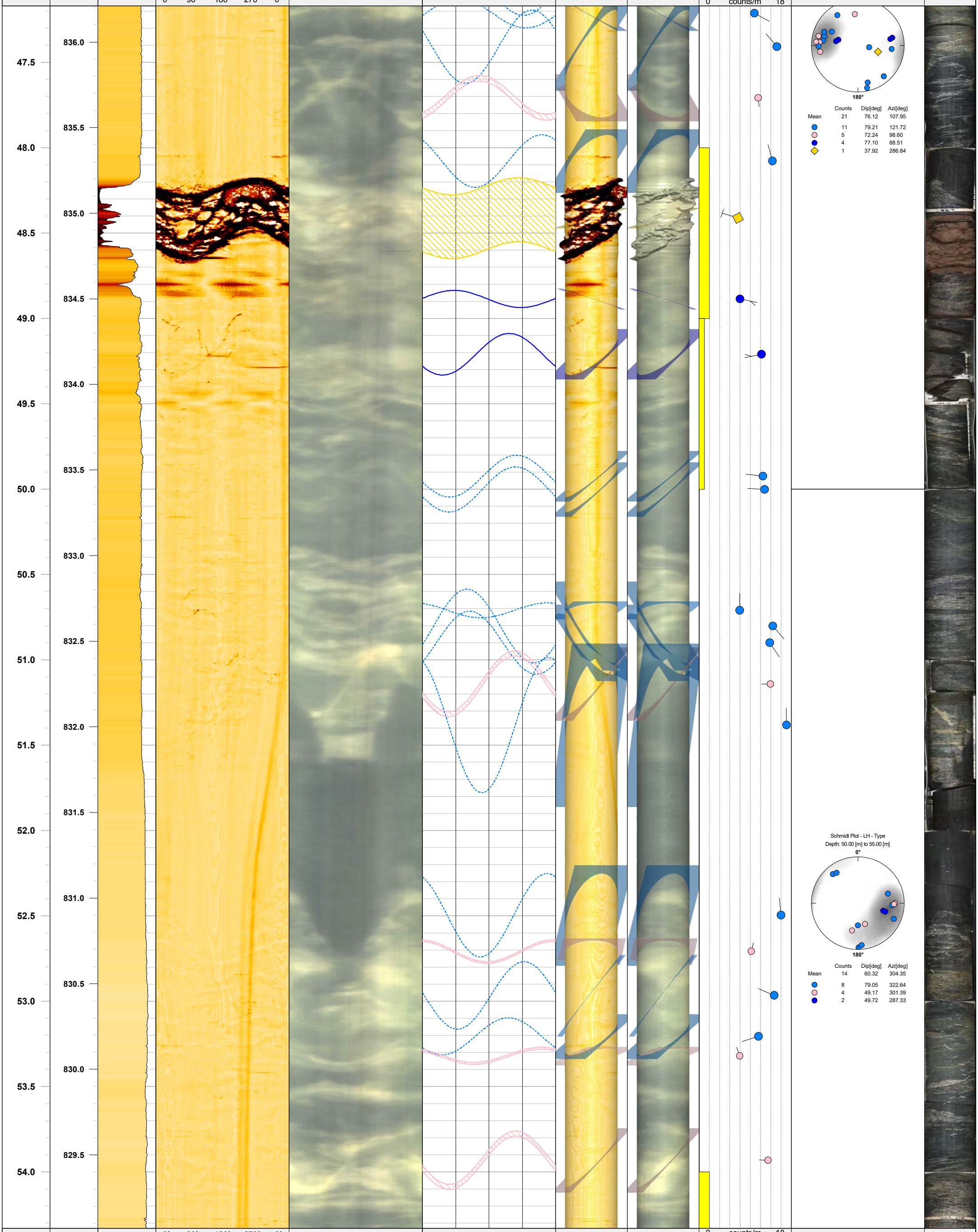
1m:20m	AHD		0° 90° 180° 270° 0° 500 – 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 18 Freq/metre 0 90	Schmidt Plot - LH - Type	Core Photo
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	
Depth		Image Logs			Structural Data					Core

BHUA-04

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 7000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	



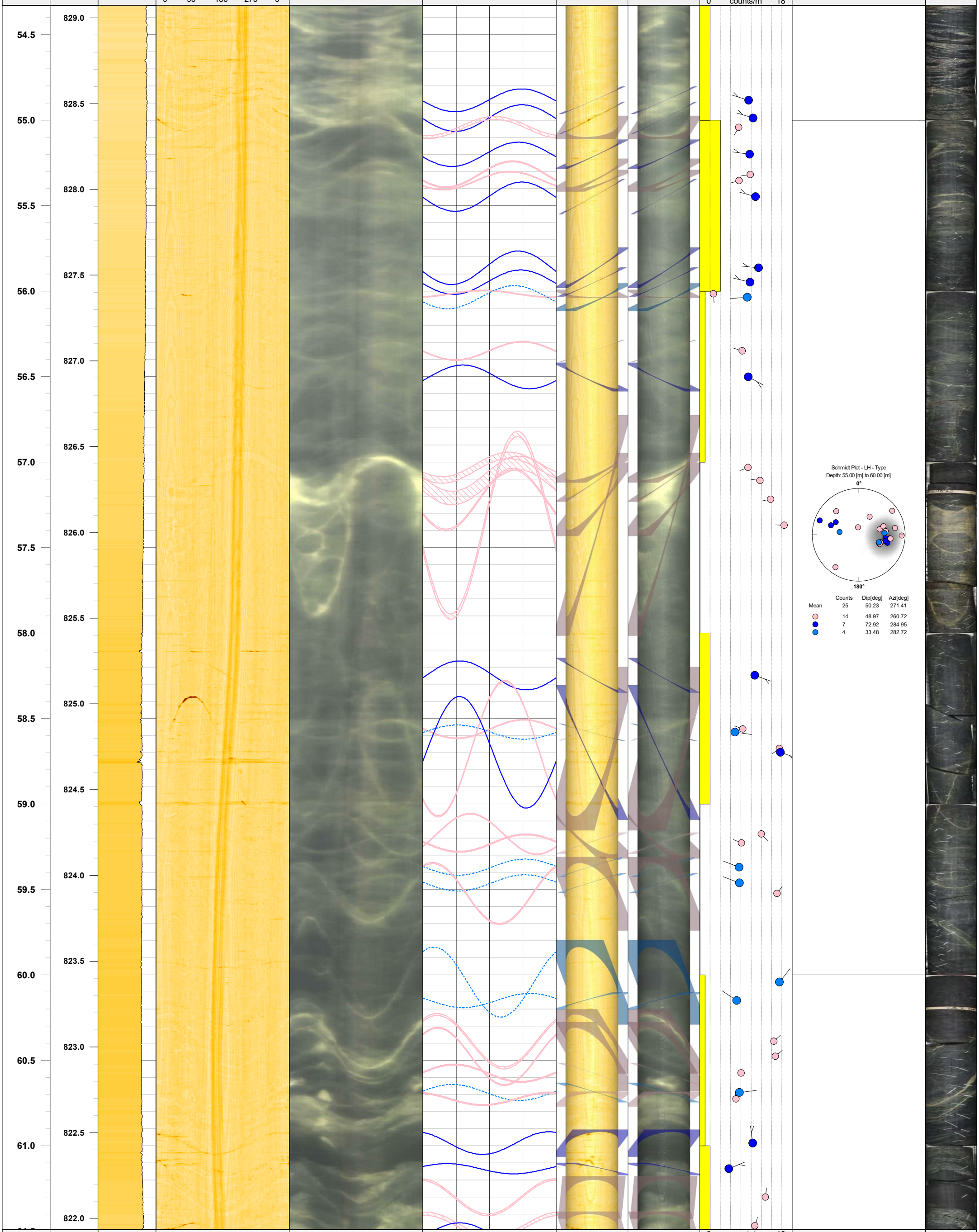
1m:20m	AHD		0° 90° 180° 270° 0° 500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 18 Freq/metre 0 90	Schmidt Plot - LH - Type	
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
Depth		Image Logs			Structural Data					Core

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Depth		Image Logs			Structural Data					Core
Depth 1m:20m	RL m AHD	Reflectivity	Amplitude-HS HPF 500 7000 0° 90° 180° 270° 0°	Image-HS 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 18	Stereoplots Schmidt Plot - LH - Type	Core Photo



	Counts	Dip[deg]	Azi[deg]
Mean	25	50.23	271.41
	14	48.97	260.72
	7	72.92	284.95
	4	33.48	282.72

Depth		Image Logs			Structural Data					Core
1m:20m Depth	AHD RL m	Reflectivity	0° 90° 180° 270° 0° 500 7000 Amplitude-HS HPF	0° 90° 180° 270° 0° Image-HS	0° 90° 180° 270° 0° Apparent Structures	-0° 3D ATV	-0° 3D OTV	0 counts/m 18 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	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	

Depth: 61.5 – 68.5 m; RL m: 821.5 – 815.0 AHD

Schmidt Plot - LH - Type
Depth: 60.00 [m] to 65.00 [m]

	Counts	Dip[deg]	Azi[deg]
Mean	25	56.13	58.24
	9	58.46	67.58
	11	62.73	48.99
	4	39.77	89.94
	1	56.96	281.46

Schmidt Plot - LH - Type
Depth: 65.00 [m] to 70.00 [m]

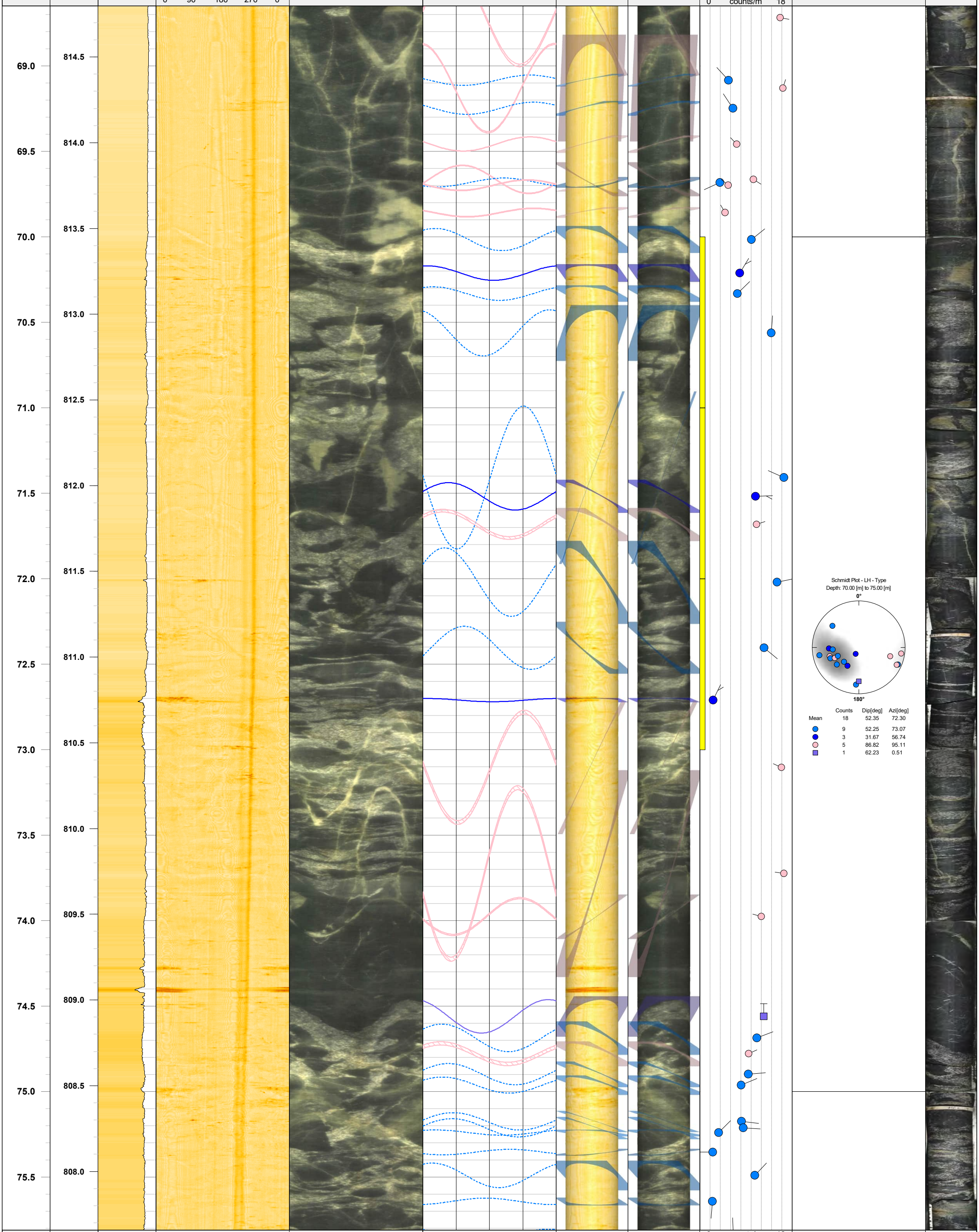
	Counts	Dip[deg]	Azi[deg]
Mean	28	62.87	102.30
	12	63.62	104.82
	4	55.47	117.09
	12	63.30	92.29

Depth | RL m | Reflectivity | Amplitude-HS HPF | Image-HS | 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	Amplitude-HS HPF 500 7000 0° 90° 180° 270° 0°	Image-HS 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 18	Stereoplots Schmidt Plot - LH - Type	Core Photo



1m:20m	AHD		0° 90° 180° 270° 0° 500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 18 Freq/metre 0 90	Schmidt Plot - LH - Type	Core Photo
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	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	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 – 7000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 – 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	

Depth: 76.0 – 82.5 m; RL m: 807.5 – 801.0 AHD

Schmidt Plot - LH - Type
Depth: 75.00 [m] to 80.00 [m]

	Counts	Dip[deg]	Azi[deg]
Mean	23	30.81	62.99
	16	29.70	64.39
	7	45.83	67.37

Schmidt Plot - LH - Type
Depth: 80.00 [m] to 85.00 [m]

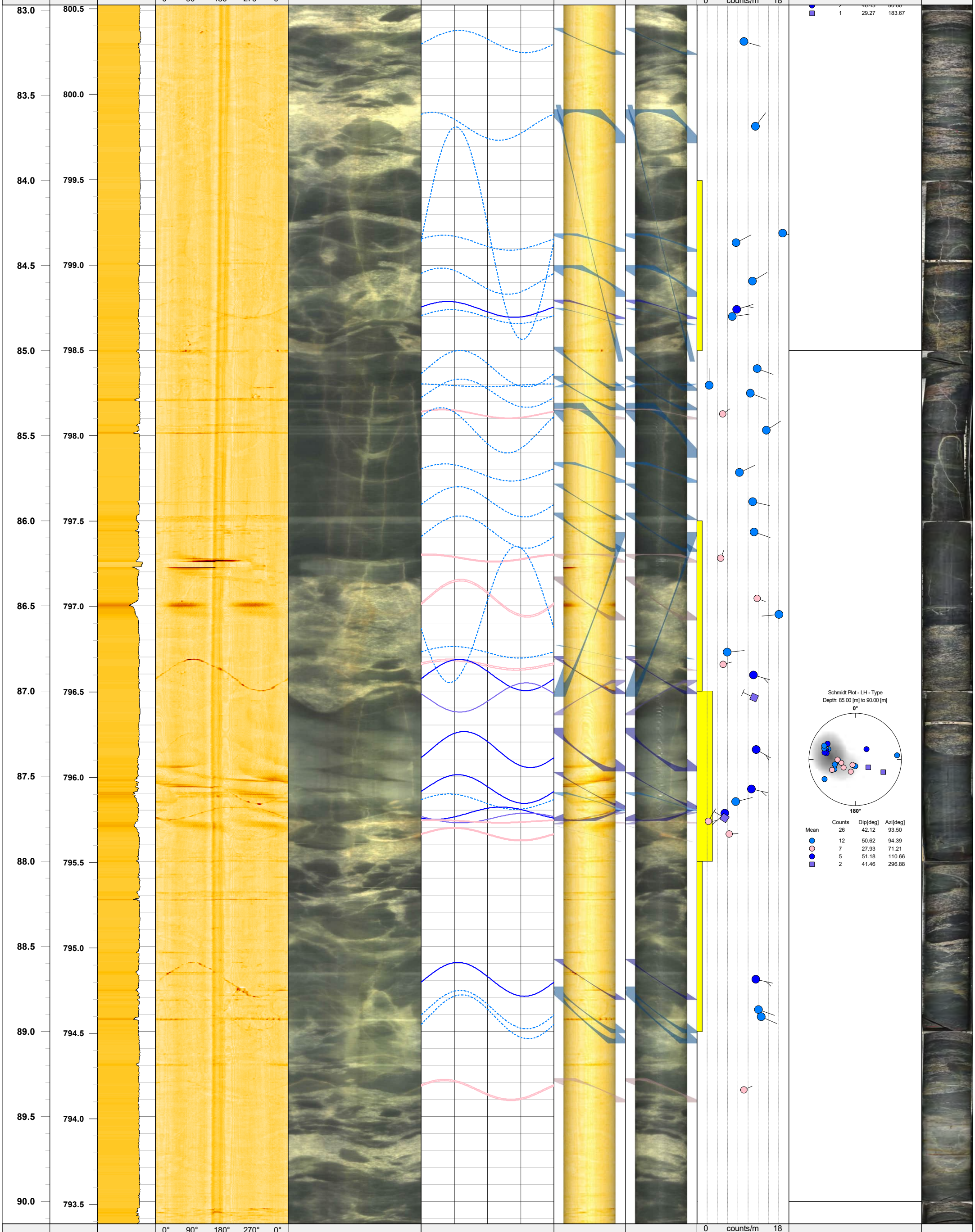
	Counts	Dip[deg]	Azi[deg]
Mean	17	37.15	75.04
	13	37.30	72.92
	1	42.81	54.43

Depth | RL m | Reflectivity | Amplitude-HS HPF | Image-HS | 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	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 – 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 – 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	



Depth		Image Logs			Structural Data					Core
1m:20m	AHD		0° 90° 180° 270° 0° 500 – 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 18 Freq/metre 0 – 90	Schmidt Plot - LH - Type	
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	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	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	
90.5	793.0									
91.0	792.5									
91.5	792.0									
92.0	791.5									
92.5	791.0									
93.0	790.5									
93.5	790.0									
94.0	789.5									
94.5	789.0									
95.0	788.5									
95.5	788.0									
96.0	787.5									
96.5	787.0									
97.0	786.5									

Schmidt Plot - LH - Type
Depth: 90.00 [m] to 95.00 [m]
0°
180°

	Counts	Dip[deg]	Azi[deg]
Mean	9	57.04	262.16
	5	55.34	256.77
	4	38.32	51.44

Schmidt Plot - LH - Type
Depth: 95.00 [m] to 100.00 [m]
0°

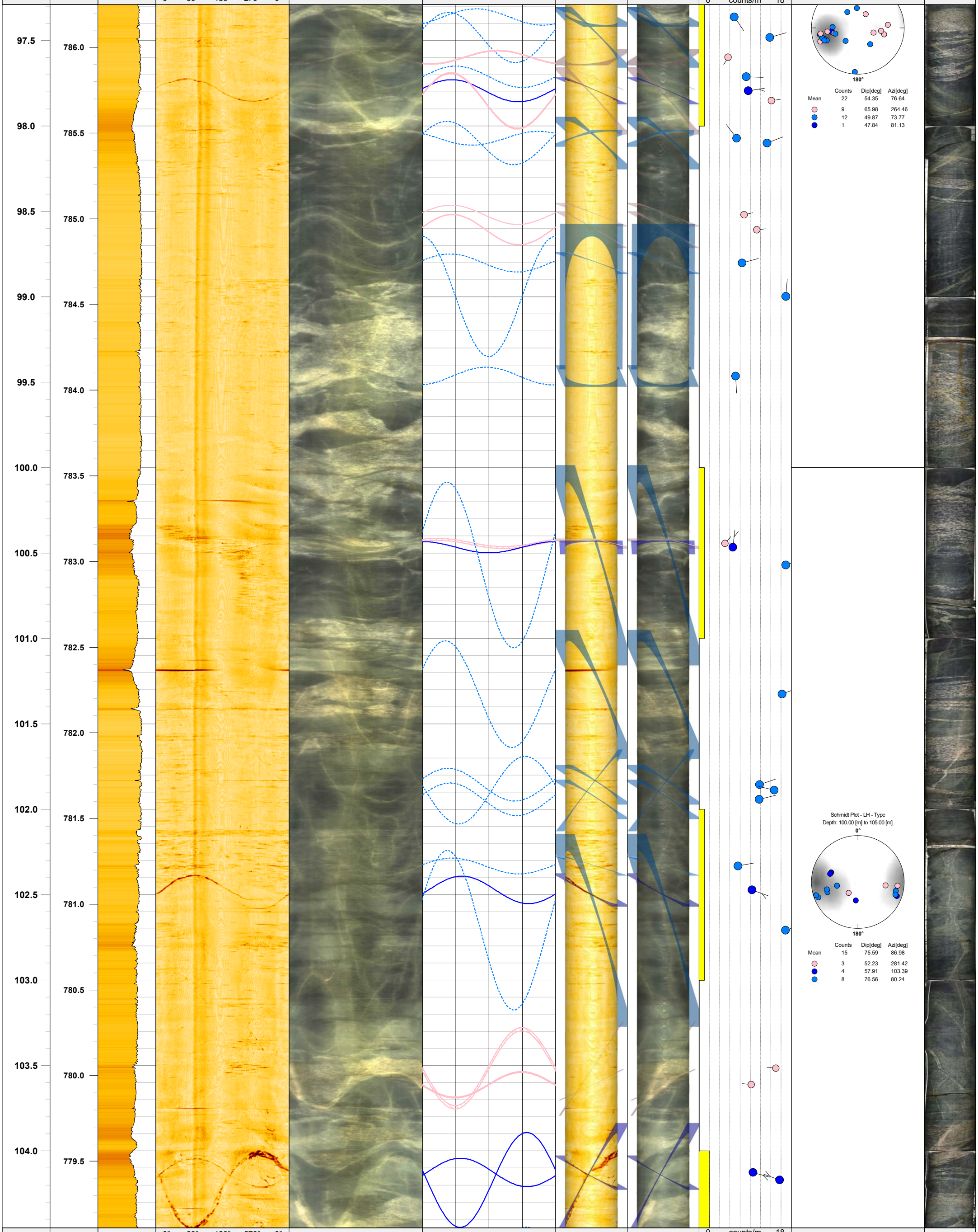
Depth		Image Logs			Structural Data					Core
1m:20m	AHD		0° 90° 180° 270° 0° 500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 18 Freq/metre 0 90	Schmidt Plot - LH - Type	
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 – 7000					0 – 90		
			0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	Freq/metre	Schmidt Plot - LH - Type	
								0 counts/m 18		



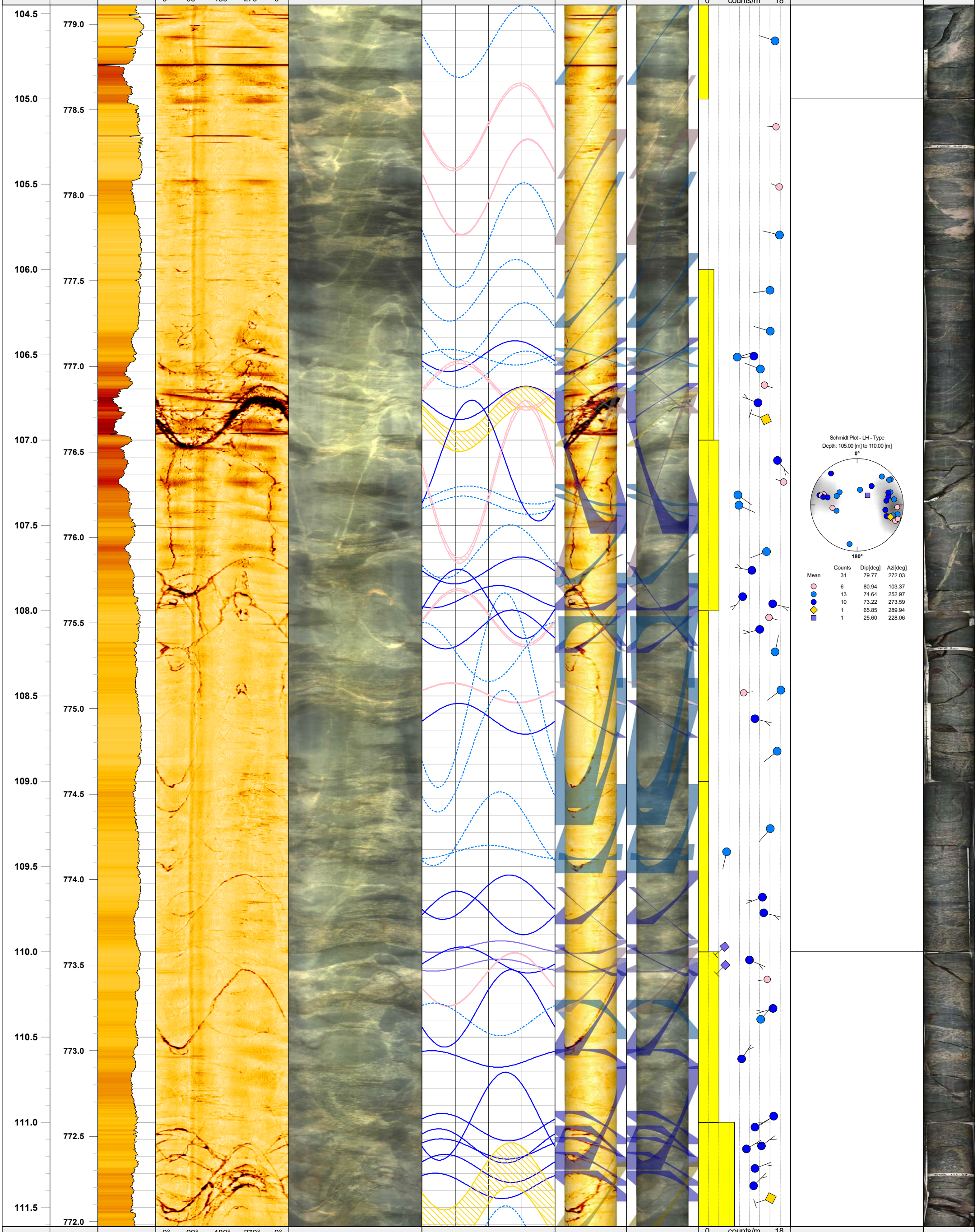
1m:20m	AHD		0° 90° 180° 270° 0° 500 – 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 18 Freq/metre 0 – 90	Schmidt Plot - LH - Type	Core Photo
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	
Depth		Image Logs			Structural Data					Core

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 – 7000; 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 – 90; Freq/metre; 0 counts/m 18	Schmidt Plot - LH - Type	



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

0°

180°

	Counts	Dip[deg]	Azi[deg]
Mean	31	79.77	272.03
	6	80.94	103.37
	13	74.64	252.97
	10	73.22	273.59
	1	65.85	289.94
	1	25.60	228.06

Depth		Image Logs			Structural Data					Core
1m:20m	AHD		0° 90° 180° 270° 0°; 500 – 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 18; Freq/metre; 0 – 90	Schmidt Plot - LH - Type	
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	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	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 – 7000; 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 – 90; Freq/metre; 0 counts/m 18	Schmidt Plot - LH - Type	

Depth: 112.0 / 771.5; 112.5 / 771.0; 113.0 / 770.5; 113.5 / 770.0; 114.0 / 769.5; 114.5 / 769.0; 115.0 / 768.5; 115.5 / 768.0; 116.0 / 767.5; 116.5 / 767.0; 117.0 / 766.5; 117.5 / 766.0; 118.0 / 765.5; 118.5 / 765.0

Schmidt Plot - LH - Type
Depth: 110.00 [m] to 115.00 [m]
0° 180°

	Counts	Dip[deg]	Azi[deg]
Mean	31	74.40	55.25
	17	59.69	59.56
	1	26.18	224.35
	4	53.64	283.68
	7	85.80	42.27
	2	86.00	46.34

Schmidt Plot - LH - Type
Depth: 115.00 [m] to 120.00 [m]
0° 180°

	Counts	Dip[deg]	Azi[deg]
Mean	33	40.55	62.73
	4	47.44	27.34
	1	70.27	14.72
	12	48.50	74.21
	16	39.04	77.01

1m:20m AHD Reflectivity 0° 90° 180° 270° 0° 500 – 7000 Amplitude-HS HPF 0° 90° 180° 270° 0° Image-HS 0° 90° 180° 270° 0° Apparent Structures -0° 3D ATV -0° 3D OTV 0 counts/m 18 Freq/metre 0 – 90 Structures - TN Schmidt Plot - LH - Type Stereoplots Core Photo
Depth RL m Reflectivity Amplitude-HS HPF Image-HS 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	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 7000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	
119.0	764.5									
119.5	764.0									
120.0	763.5									
120.5	763.0									
121.0	762.5									
121.5	762.0									
122.0	761.5									
122.5	761.0									
123.0	760.5									
123.5	760.0									
124.0	759.5									
124.5	759.0									
125.0	758.5									
125.5	758.0									

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

0°

180°

	Counts	Dip[deg]	Azi[deg]
Mean	15	49.53	304.80
	6	65.81	307.23
	2	38.14	229.03
	7	24.27	91.33

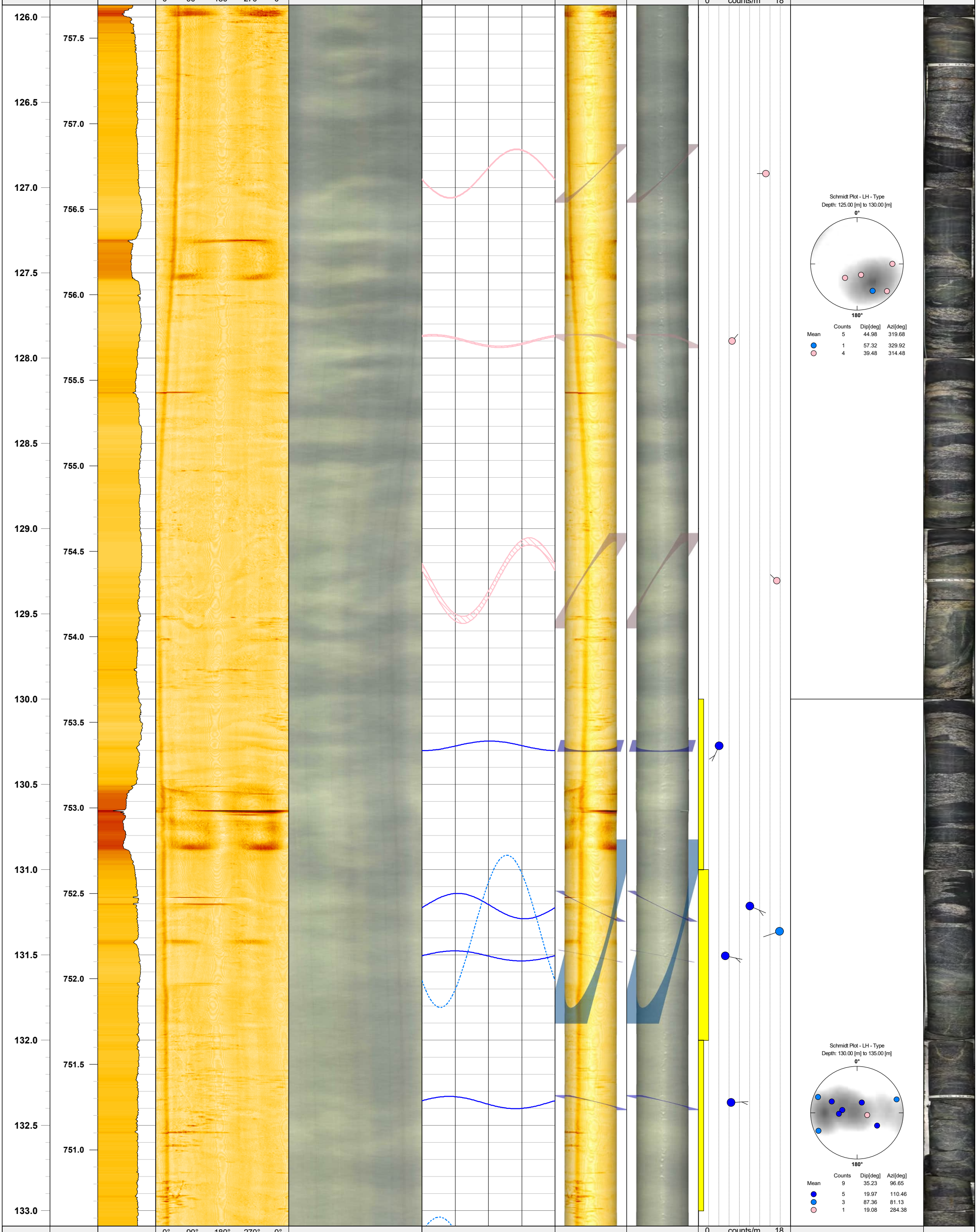
1m:20m	AHD		0° 90° 180° 270° 0° 500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 18 Freq/metre 0 90	Schmidt Plot - LH - Type	
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
Depth		Image Logs			Structural Data					Core

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 – 7000; 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 – 90; Freq/metre; 0 counts/m 18	Schmidt Plot - LH - Type	



1m:20m	AHD		0° 90° 180° 270° 0°; 500 – 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 18; Freq/metre; 0 – 90	Schmidt Plot - LH - Type	
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
Depth		Image Logs			Structural Data					Core

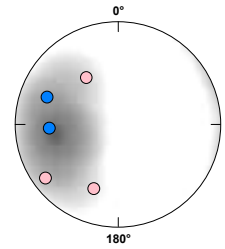
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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 7000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	
133.5	750.5									
	750.0									
134.0										
	749.5									
134.5										
	749.0									
135.0										
	748.5									
135.5										
	748.0									
136.0										
	747.5									
136.5										
	747.0									
137.0										
	746.5									
137.5										
	746.0									
138.0										
	745.5									
138.5										
	745.0									
139.0										
	744.5									
139.5										
	744.0									
140.0										
	743.5									

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



	Counts	Dip[deg]	Azi[deg]
Mean	5	54.54	83.01
	3	62.38	42.94
	2	59.73	99.25

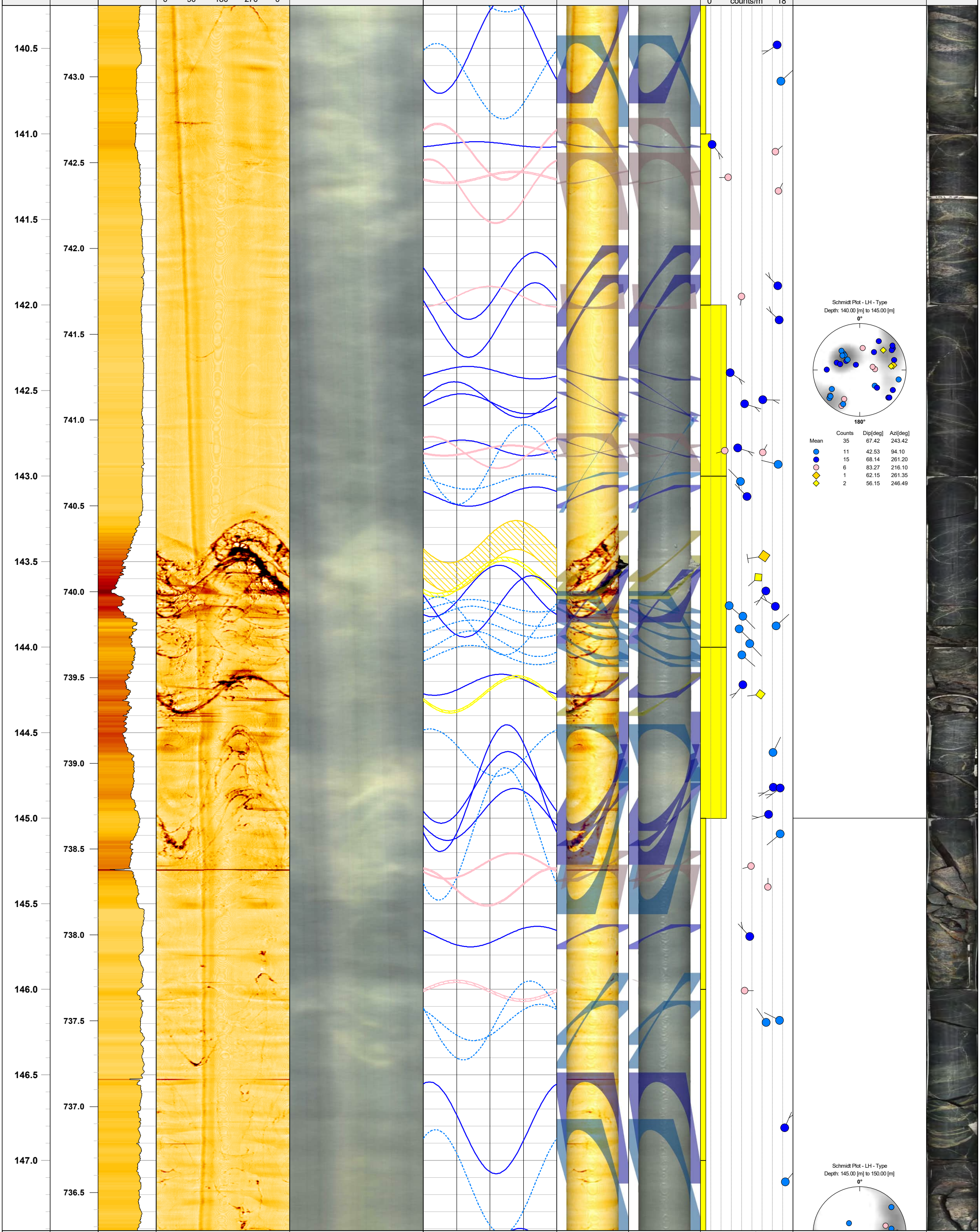
Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 7000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	



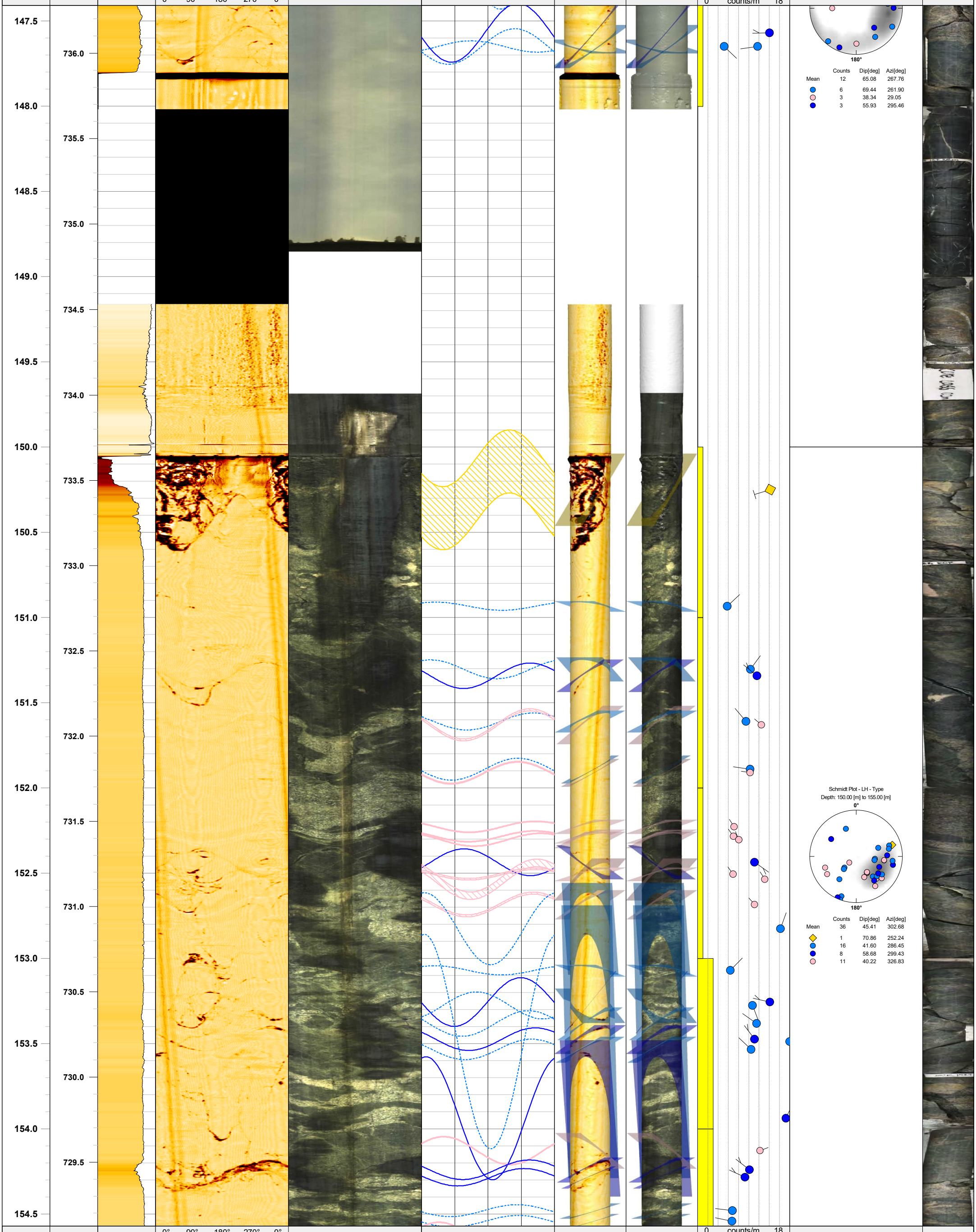
Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 7000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 – 7000; 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 – 90; Freq/metre; 0 counts/m 18	Schmidt Plot - LH - Type	



1m:20m	AHD		0° 90° 180° 270° 0°; 500 – 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 18; Freq/metre; 0 – 90	Schmidt Plot - LH - Type	
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	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	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 – 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 – 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	

Depth: 155.00 – 160.00 m

	729.0	728.5	728.0	727.5	727.0	726.5	726.0	725.5	725.0	724.5	724.0	723.5	723.0	722.5	722.0
	155.0	155.5	156.0	156.5	157.0	157.5	158.0	158.5	159.0	159.5	160.0	160.5	161.0	161.5	

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

0° / 180°

	Counts	Dip[deg]	Azi[deg]
Mean	26	55.65	271.77
	12	31.37	278.74
	5	66.34	276.14
	9	66.94	265.29

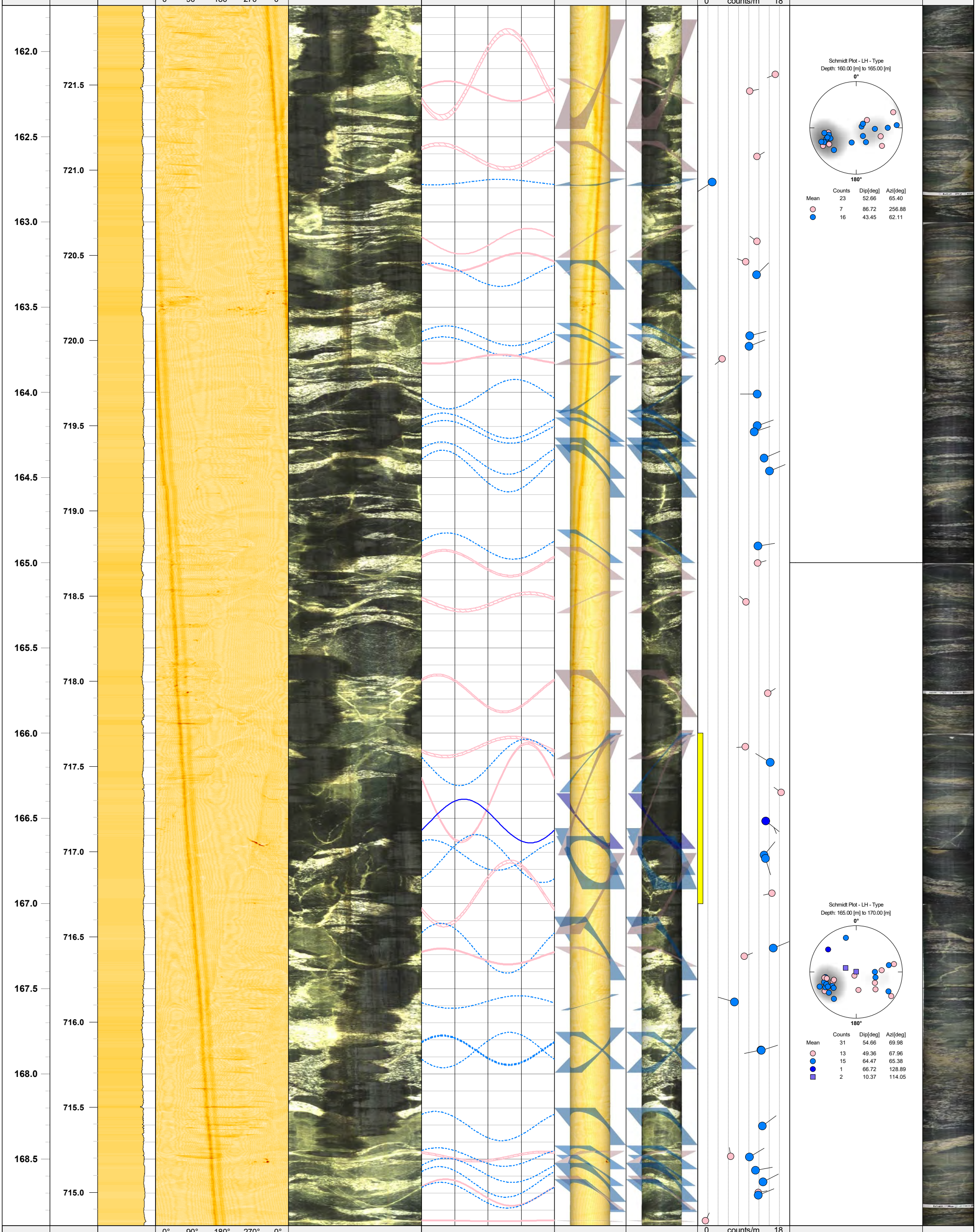
Depth		Image Logs			Structural Data					Core
1m:20m Depth	AHD RL m	Reflectivity	Amplitude-HS HPF 500 – 7000	Image-HS 0° 90° 180° 270° 0°	Apparent Structures 0° 90° 180° 270° 0°	3D ATV -0°	3D OTV -0°	Freq/metre 0 counts/m 18 Structures - TN 0 – 90	Schmidt Plot - LH - Type Stereoplots	Core Photo

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Depth		Image Logs			Structural Data						Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots		Core Photo
1m:20m	AHD		500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type		



Depth		Image Logs			Structural Data						Core
1m:20m	AHD		0° 90° 180° 270° 0° 500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 18 Freq/metre 0 90	Schmidt Plot - LH - Type		
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	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	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 7000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	
169.0	714.5									
169.5	714.0									
170.0	713.5									
170.5	713.0									
171.0	712.5									
171.5	712.0									
172.0	711.5									
172.5	711.0									
173.0	710.5									
173.5	710.0									
174.0	709.5									
174.5	709.0									
175.0	708.5									
175.5	708.0									
176.0										

Schmidt Plot - LH - Type
Depth: 170.00 [m] to 175.00 [m]

0°

180°

	Counts	Dip[deg]	Azi[deg]
Mean	53	19.73	330.20
	22	24.65	323.05
	26	18.01	332.67
	5	15.74	331.53

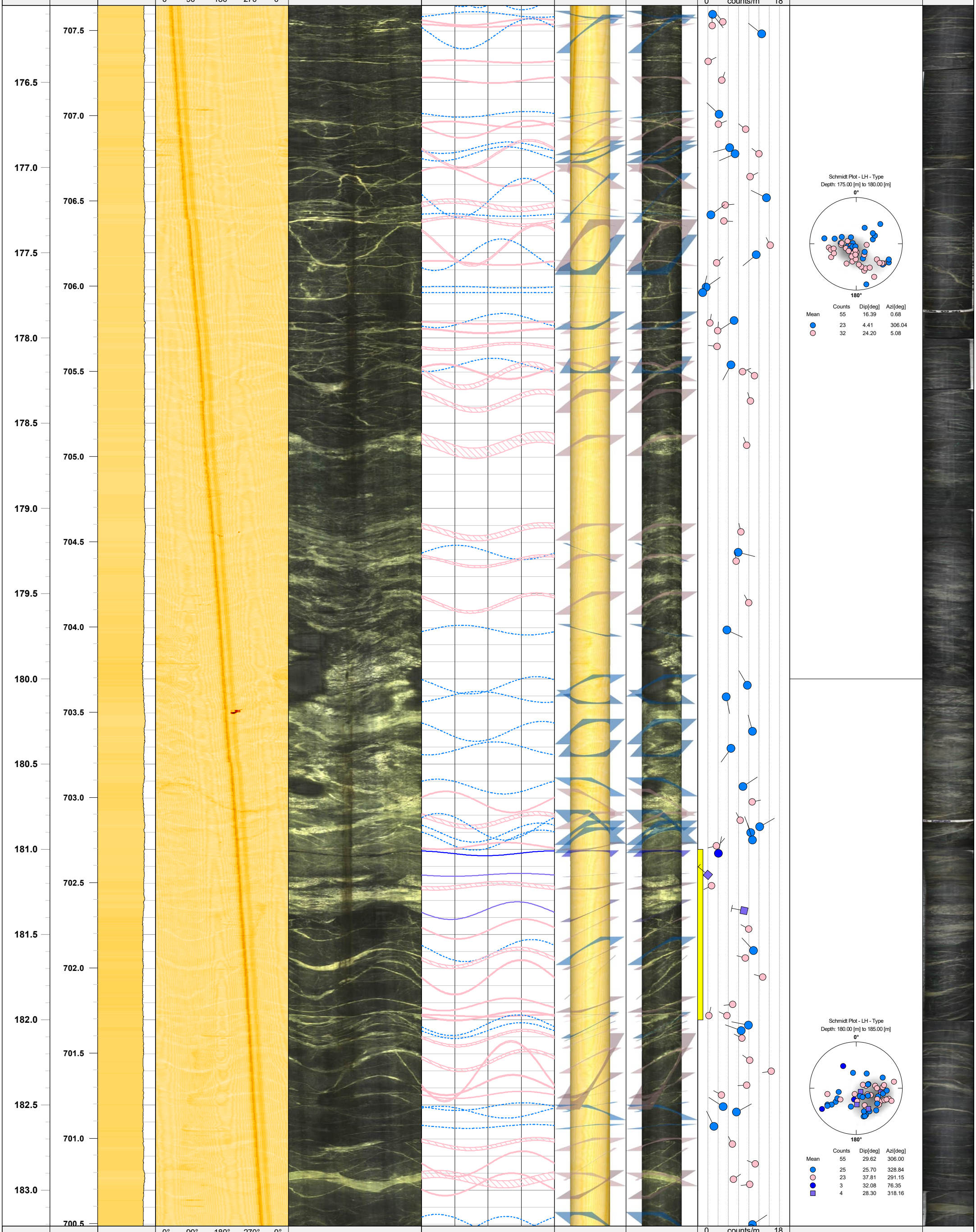
Depth		Image Logs			Structural Data					Core
1m:20m	AHD		0° 90° 180° 270° 0° 500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 18 Freq/metre 0 90	Schmidt Plot - LH - Type	
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	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	Amplitude-HS HPF 500 7000 0° 90° 180° 270° 0°	Image-HS 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 18	Stereoplots Schmidt Plot - LH - Type	Core Photo



Depth		Image Logs			Structural Data					Core
1m:20m Depth	AHD RL m	Reflectivity	0° 90° 180° 270° 0° 500 7000 Amplitude-HS HPF	0° 90° 180° 270° 0° Image-HS	0° 90° 180° 270° 0° Apparent Structures	-0° 3D ATV	-0° 3D OTV	0 counts/m 18 Freq/metre 0 90 Structures - TN	Schmidt Plot - LH - Type Stereoplots	Core Photo

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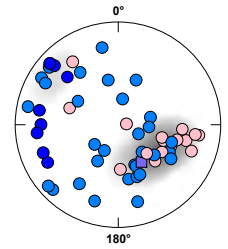
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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	

Depth: 183.5 m to 190.0 m; RL m: 700.0 to 693.5 AHD

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



	Counts	Dip[deg]	Azi[deg]
Mean	58	42.91	307.36
	9	66.82	104.77
	32	29.92	329.58
	16	45.96	292.42
	1	35.48	327.70

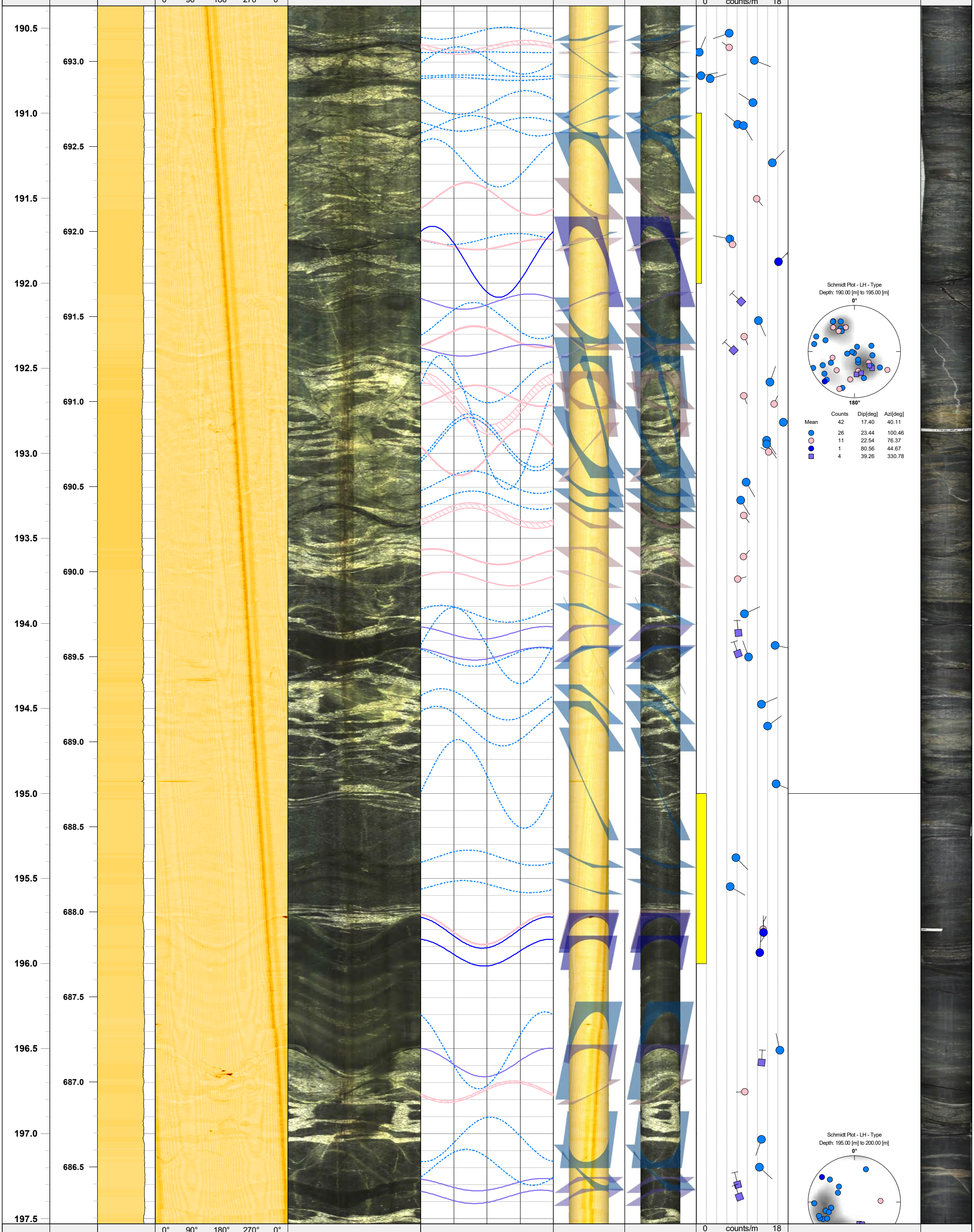
Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 – 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 – 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	



1m:20m	AHD		0° 90° 180° 270° 0° 500 – 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 18 Freq/metre 0 – 90	Schmidt Plot - LH - Type	
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	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	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	

Depth: 198.00 m to 204.80 m

RL m: 686.0, 685.5, 685.0, 684.5, 684.0, 683.5, 683.0, 682.5, 682.0, 681.5, 681.0, 680.5, 680.0, 679.5

Stereoplots:

	Counts	Dip[deg]	Azi[deg]
Mean	22	54.30	43.71
	14	56.46	72.99
	2	46.65	319.79
	3	72.11	347.85
	3	48.29	351.54

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

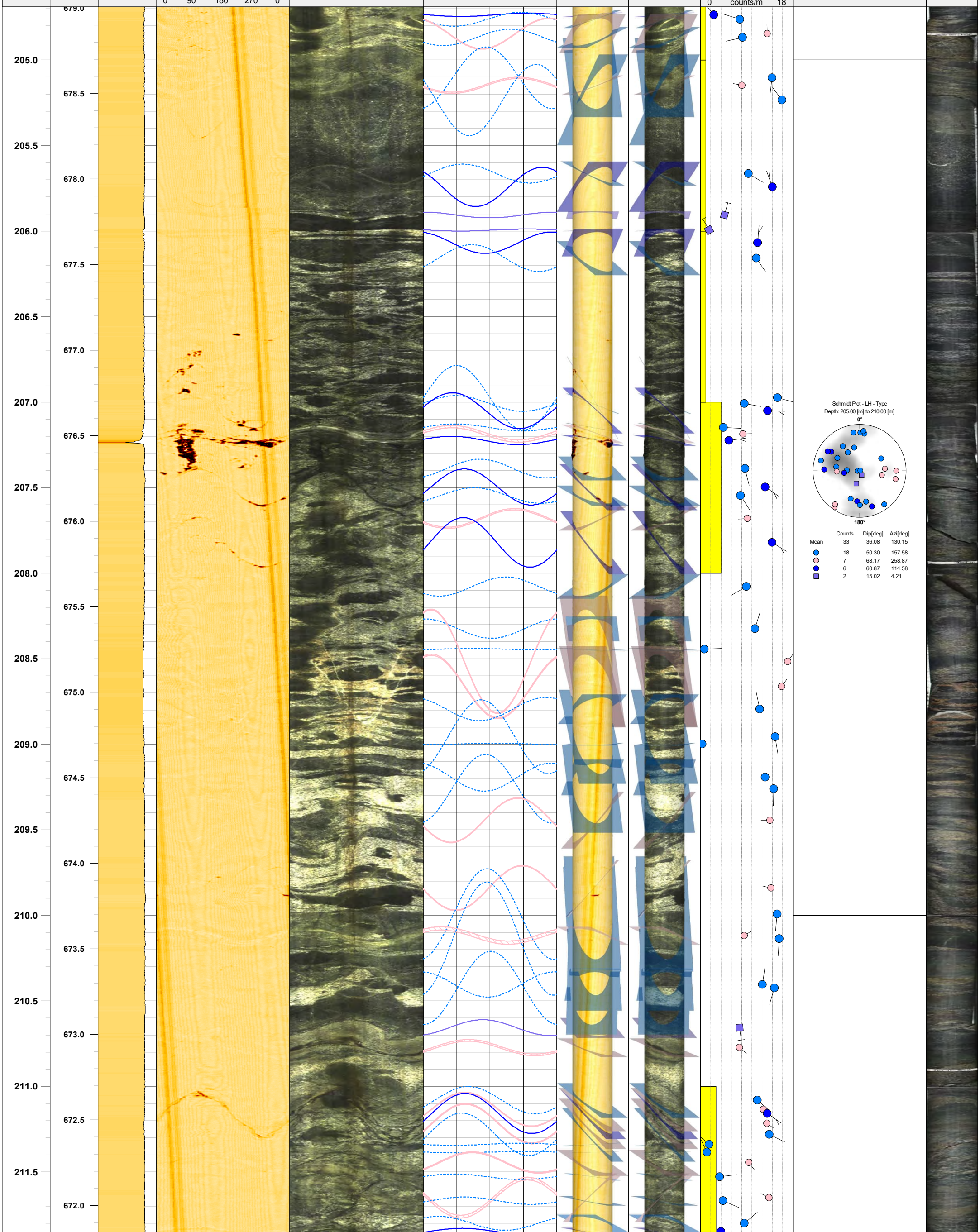
	Counts	Dip[deg]	Azi[deg]
Mean	23	58.86	4.81
	13	73.27	6.58
	7	54.73	8.94
	3	54.38	341.53

1m:20m AHD Depth RL m Reflectivity Amplitude-HS HPF 500 7000 0° 90° 180° 270° 0° Image-HS 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 18 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	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	



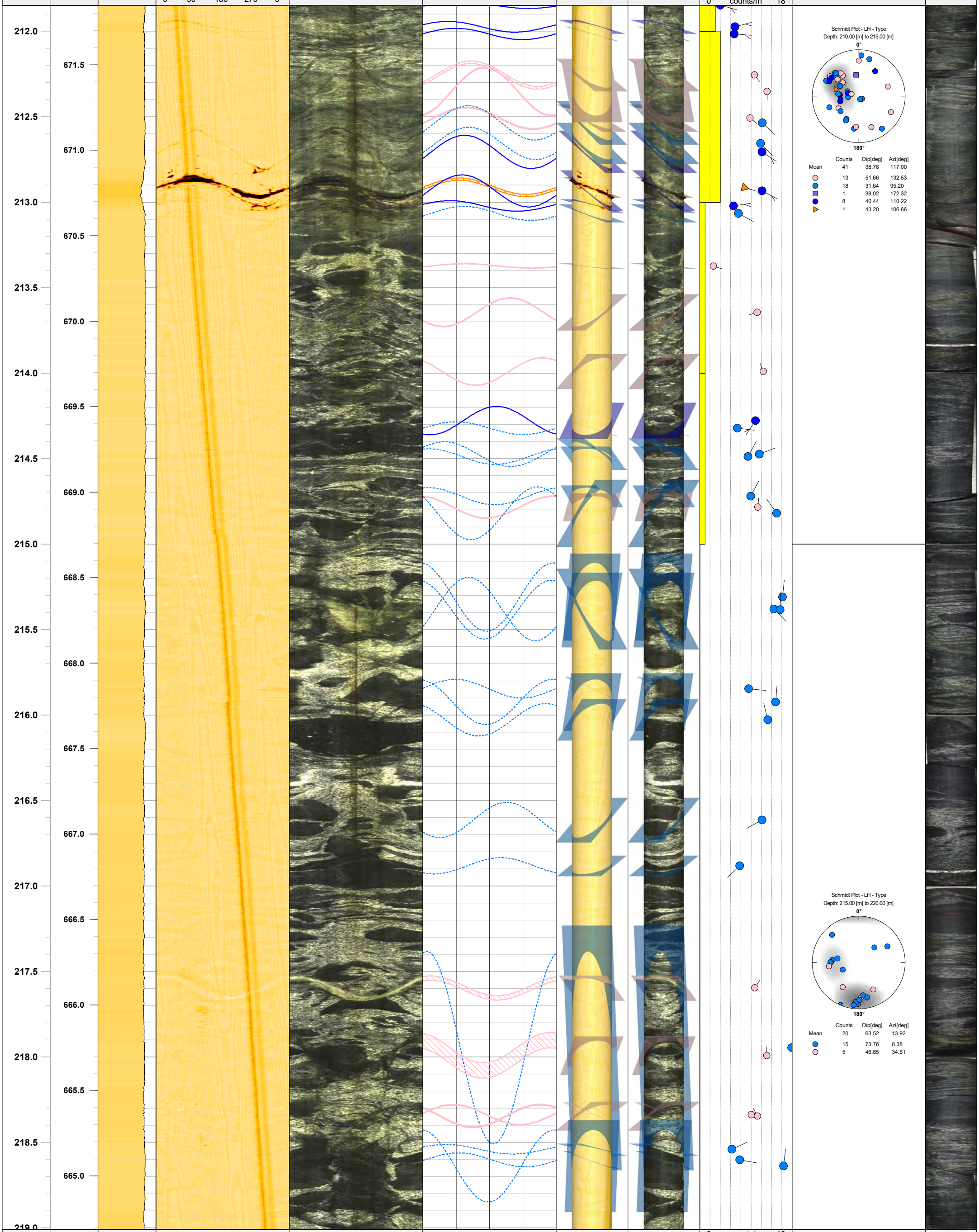
Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	

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Depth		Image Logs			Structural Data					Core
Depth 1m:20m	RL m AHD	Reflectivity	Amplitude-HS HPF 500 7000 0° 90° 180° 270° 0°	Image-HS 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 18	Stereoplots Schmidt Plot - LH - Type	Core Photo



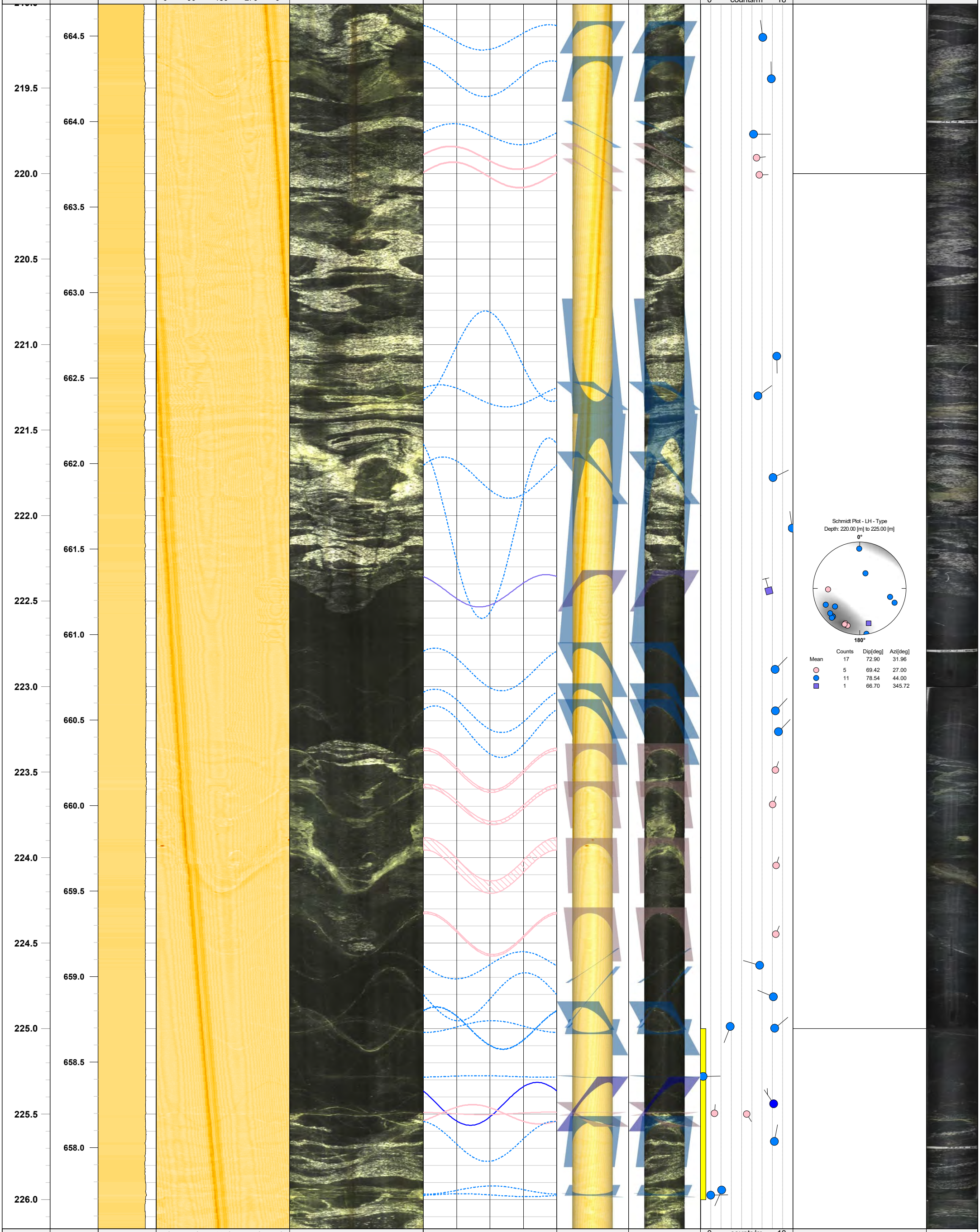
1m:20m	AHD		0° 90° 180° 270° 0° 500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 18 Freq/metre 0 90	Schmidt Plot - LH - Type	Core Photo
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	
Depth		Image Logs			Structural Data					Core

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 7000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	



Schmidt Plot - LH - Type
Depth: 220.00 [m] to 225.00 [m]

0°

180°

	Counts	Dip[deg]	Azi[deg]
Mean	17	72.90	31.96
	5	69.42	27.00
	11	78.54	44.00
	1	66.70	345.72

Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 7000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 – 7000; 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 – 90; Freq/metre; 0 counts/m 18	Schmidt Plot - LH - Type	

Depth: 226.5 – 233.0 m; AHD: 657.5 – 650.5

Schmidt Plot - LH - Type
Depth: 225.00 [m] to 230.00 [m]

	Counts	Dip[deg]	Azi[deg]
Mean	32	29.96	29.80
	15	17.34	62.12
	2	71.64	332.21
	11	49.37	31.66
	4	16.68	15.20

Schmidt Plot - LH - Type
Depth: 230.00 [m] to 235.00 [m]

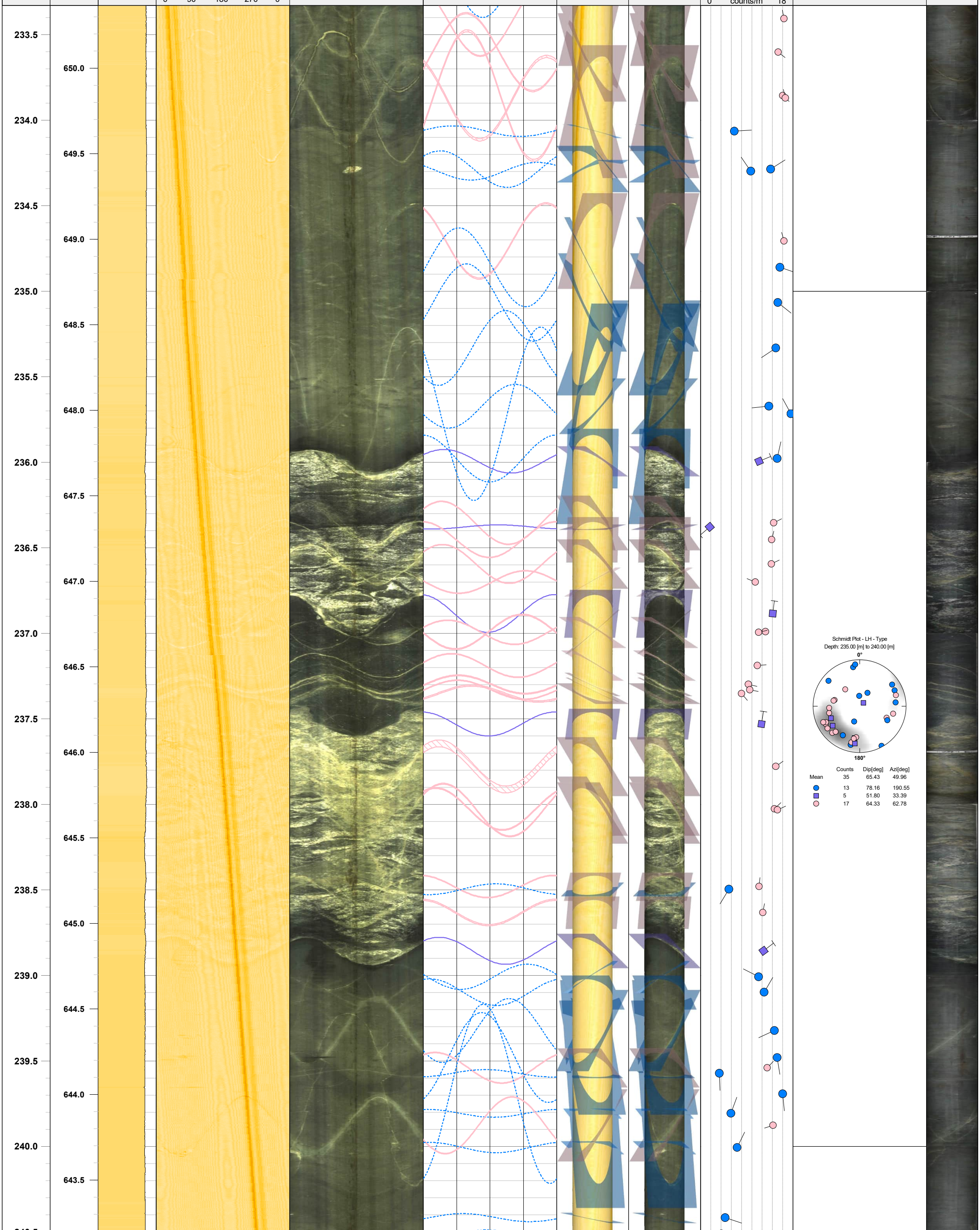
	Counts	Dip[deg]	Azi[deg]
Mean	38	33.18	63.70
	10	79.34	347.04
	23	36.04	60.30
	1	36.63	90.20
	4	28.47	97.91

1m:20m | AHD | Reflectivity | 0° 90° 180° 270° 0° 500 – 7000 | 0° 90° 180° 270° 0° | 0° 90° 180° 270° 0° | -0° | -0° | 0 counts/m 18 Freq/metre 0 – 90 | Schmidt Plot - LH - Type | Core Photo
Depth | RL m | Amplitude-HS HPF | Image-HS | 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	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	



Schmidt Plot - LH - Type
Depth: 235.00 [m] to 240.00 [m]

	Counts	Dip[deg]	Azi[deg]
Mean	35	65.43	49.96
●	13	78.16	190.55
■	5	51.80	33.39
●	17	64.33	62.78

1m:20m	AHD		0° 90° 180° 270° 0° 500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 18 Freq/metre 0 90	Schmidt Plot - LH - Type	
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	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	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 – 7000; 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 – 90; Freq/metre; 0 counts/m 18	Schmidt Plot - LH - Type	

240.5 643.0 241.0 642.5 241.5 642.0 242.0 641.5 242.5 641.0 243.0 640.5 243.5 640.0 244.0 639.5 244.5 639.0 245.0 638.5 245.5 638.0 246.0 637.5 246.5 637.0 247.0 636.5 247.5

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

	Counts	Dip[deg]	Azi[deg]
Mean	27	49.53	27.49
	18	42.32	38.08
	1	59.56	41.01
	2	10.81	40.63
	6	61.48	6.80

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

1m:20m AHD Depth RL m | Reflectivity | Amplitude-HS HPF 500 – 7000; 0° 90° 180° 270° 0° | Image-HS 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 18 | 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	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	

Depth: 636.0 635.5 635.0 634.5 634.0 633.5 633.0 632.5 632.0 631.5 631.0 630.5 630.0 629.5 629.0

Depth: 248.0 248.5 249.0 249.5 250.0 250.5 251.0 251.5 252.0 252.5 253.0 253.5 254.0 254.5

Stereoplots (Schmidt Plot - LH - Type):

	Counts	Dip[deg]	Azi[deg]
Mean	26	50.61	112.08
	3	31.56	17.95
	7	46.60	114.39
	12	73.61	127.35
	4	55.22	355.62

Schmidt Plot - LH - Type
Depth: 250.00 [m] to 255.00 [m]

	Counts	Dip[deg]	Azi[deg]
Mean	14	31.17	39.36
	4	31.37	33.72
	9	31.28	45.60
	1	34.69	20.92

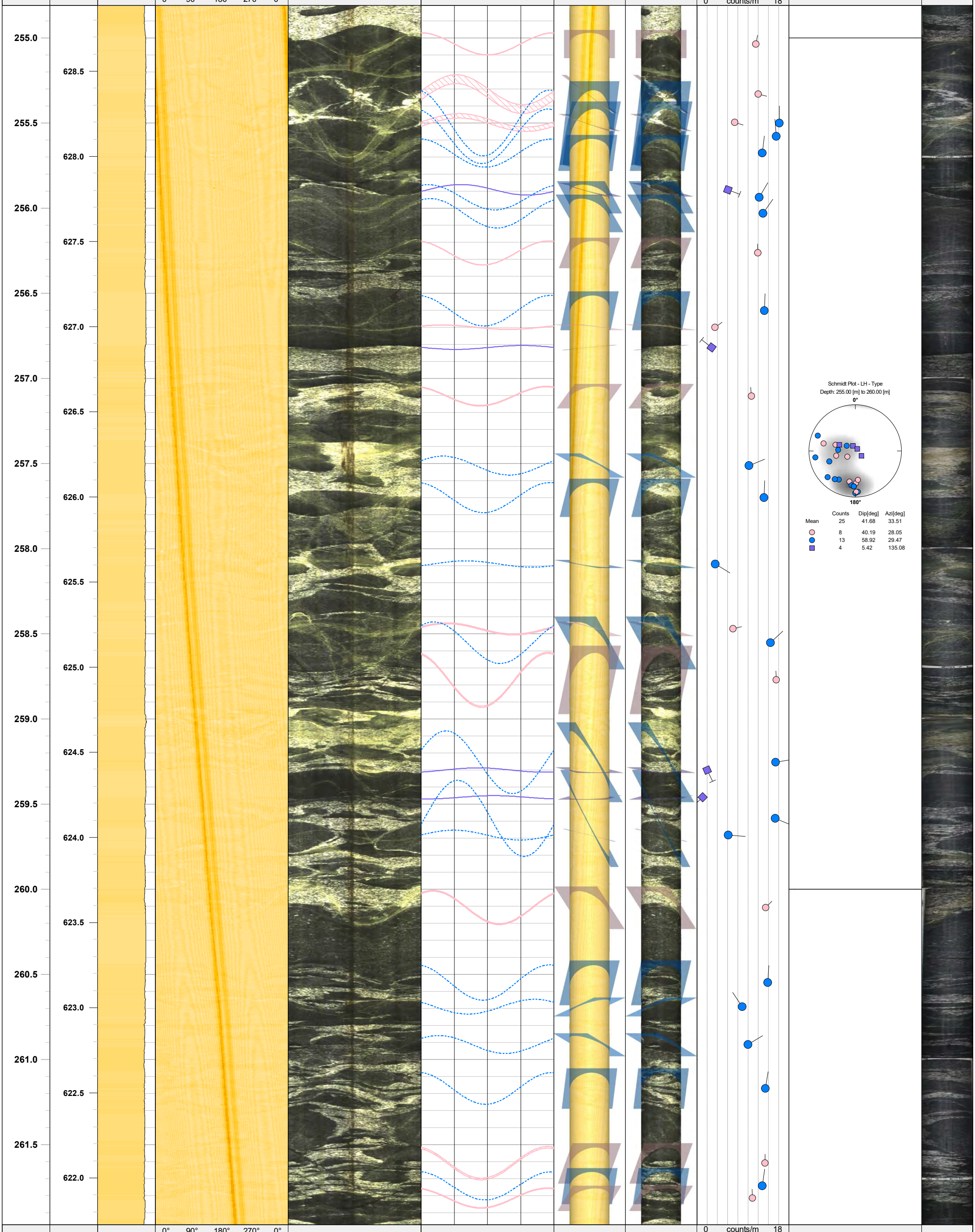
Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo

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Depth		Image Logs			Structural Data					Core
Depth 1m:20m	RL m AHD	Reflectivity	Amplitude-HS HPF 500 – 7000 0° 90° 180° 270° 0°	Image-HS 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 18	Stereoplots Schmidt Plot - LH - Type	Core Photo



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

0°

180°

	Counts	Dip[deg]	Azi[deg]
Mean	25	41.68	33.51
	8	40.19	28.05
	13	58.92	29.47
	4	5.42	135.08

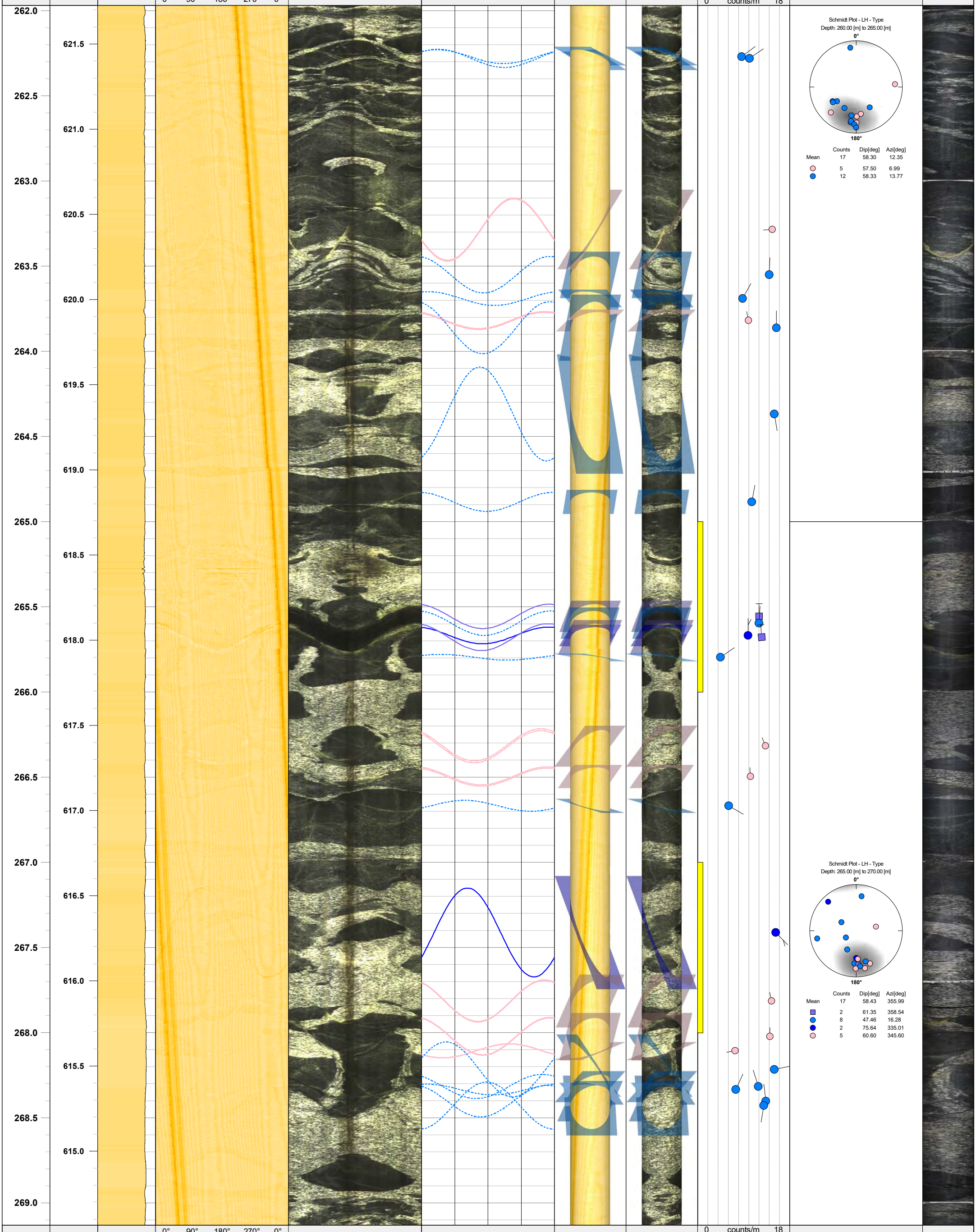
Depth		Image Logs			Structural Data					Core
1m:20m Depth	AHD RL m	Reflectivity	0° 90° 180° 270° 0° 500 – 7000 Amplitude-HS HPF	0° 90° 180° 270° 0° Image-HS	0° 90° 180° 270° 0° Apparent Structures	-0° 3D ATV	-0° 3D OTV	0 counts/m 18 Freq/metre 0 – 90 Structures - TN	Schmidt Plot - LH - Type Stereoplots	Core Photo

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 – 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 – 90 Freq/metre; 0 counts/m 18	Schmidt Plot - LH - Type	



Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 – 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 – 90 Freq/metre; 0 counts/m 18	Schmidt Plot - LH - Type	

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 – 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 – 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	

Schmidt Plot - LH - Type
Depth: 270.00 [m] to 275.00 [m]

	Counts	Dip[deg]	Azi[deg]
Mean	25	44.01	236.01
	16	35.97	241.48
	8	85.12	249.16
	1	51.81	148.70

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 – 7000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 – 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	

276.5 607.0
277.0 606.5
277.5 606.0
278.0 605.5
278.5 605.0
279.0 604.5
279.5 604.0
280.0 603.5
280.5 603.0
281.0 602.5
281.5 602.0
282.0 601.5
282.5 601.0
283.0 600.5

Schmidt Plot - LH - Type
Depth: 275.00 [m] to 280.00 [m]
0°
180°

	Counts	Dip[deg]	Azi[deg]
Mean	31	34.92	25.09
	16	46.85	33.21
	15	22.75	345.67

Schmidt Plot - LH - Type
Depth: 280.00 [m] to 285.00 [m]
0°
180°

	Counts	Dip[deg]	Azi[deg]
Mean	24	55.80	276.55
	11	73.17	48.13
	13	42.96	293.08

1m:20m	AHD		0° 90° 180° 270° 0° 500 – 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 18 Freq/metre 0 – 90	Schmidt Plot - LH - Type	
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	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	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	

283.5 600.0 284.0 599.5 284.5 599.0 285.0 598.5 285.5 598.0 286.0 597.5 286.5 597.0 287.0 596.5 287.5 596.0 288.0 595.5 288.5 595.0 289.0 594.5 289.5 594.0 290.0 593.5 290.5

Schmidt Plot - LH - Type
Depth: 285.00 [m] to 290.00 [m]
0° 180°

	Counts	Dip[deg]	Azi[deg]
Mean	21	85.68	47.02
	10	67.10	26.42
	7	75.30	244.72
	2	70.83	346.38
	2	62.65	260.71

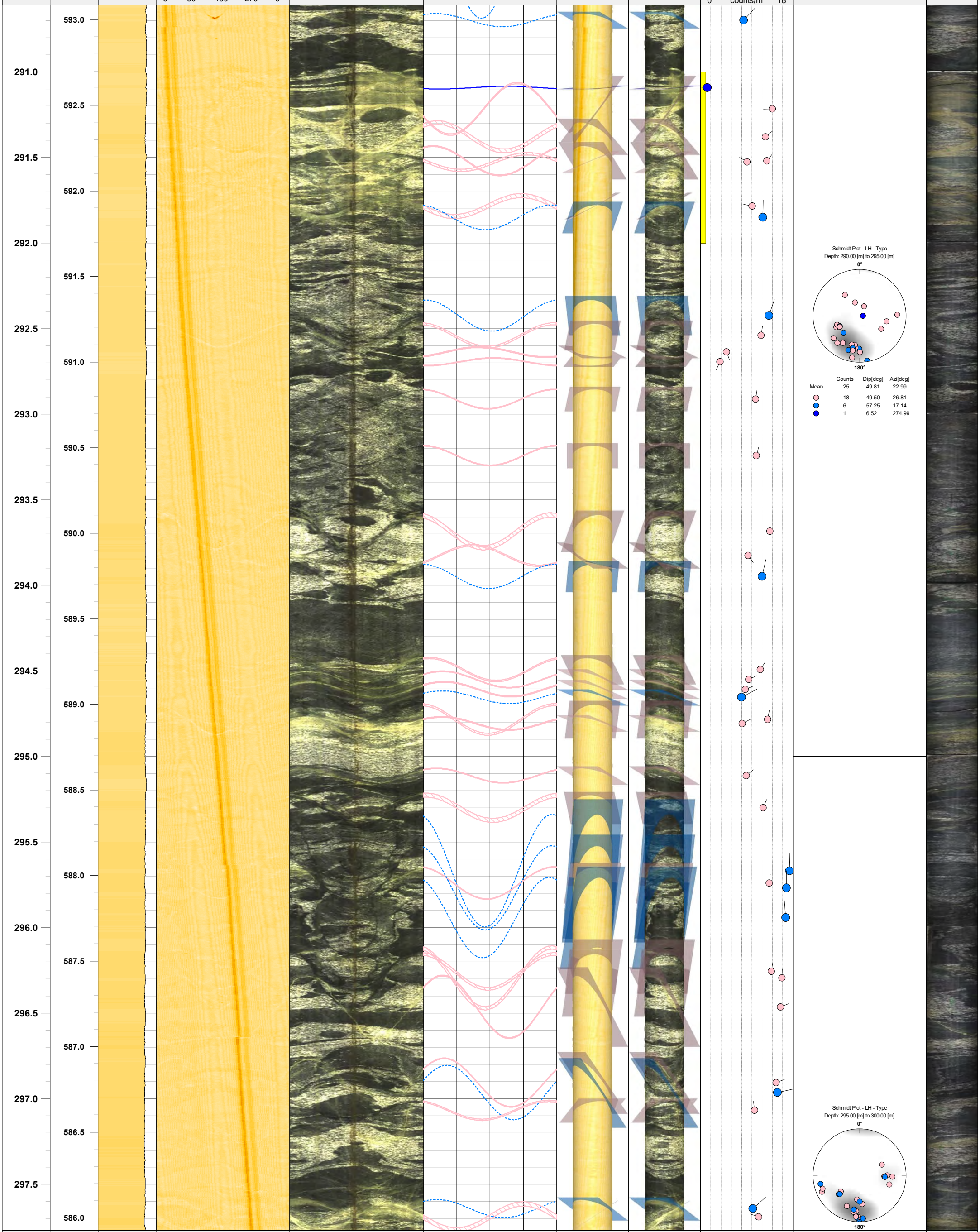
Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 7000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	



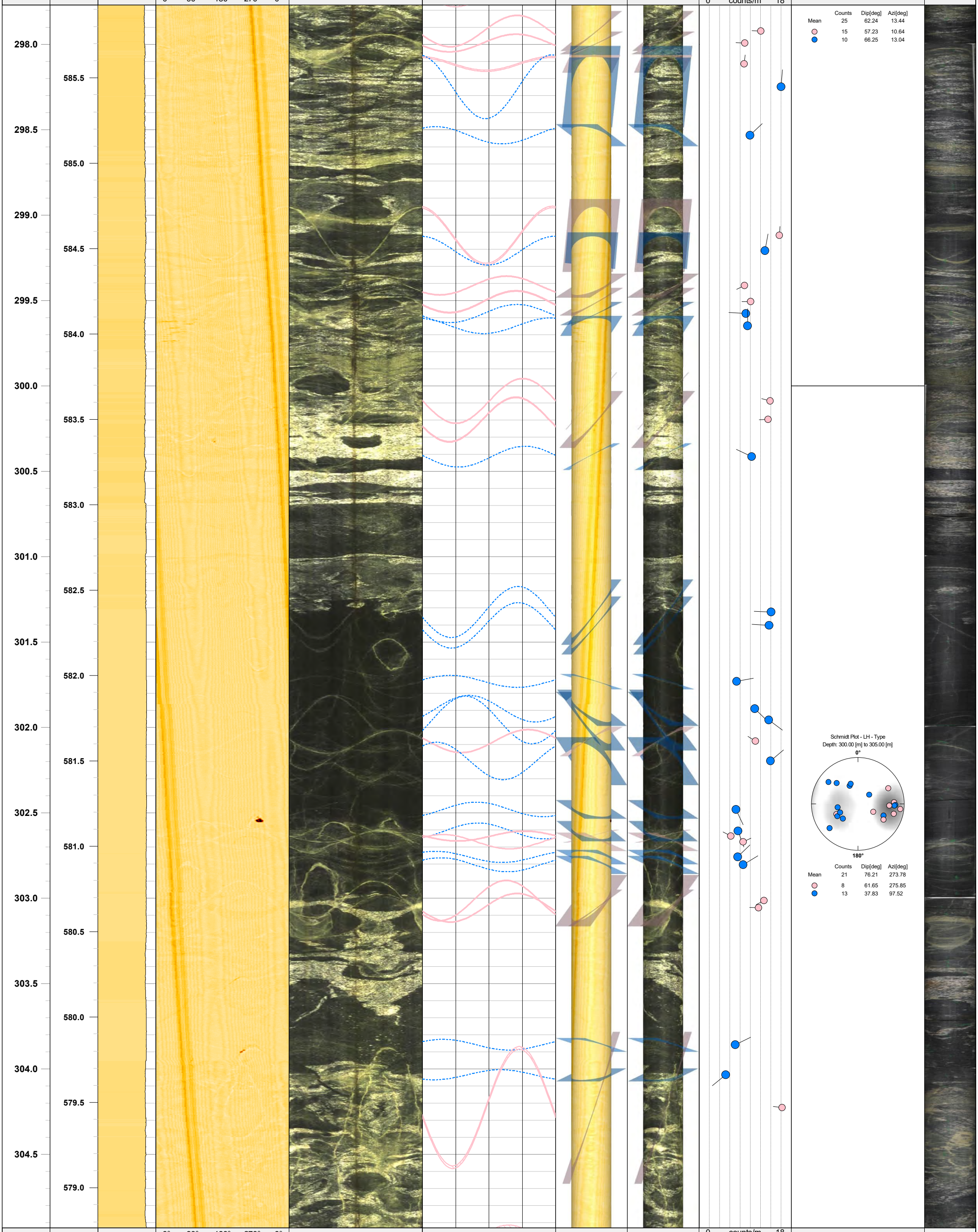
1m:20m	AHD		0° 90° 180° 270° 0° 500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 18 Freq/metre 0 90	Schmidt Plot - LH - Type	
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
Depth		Image Logs			Structural Data					Core

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Depth		Image Logs			Structural Data					Core
Depth 1m:20m	RL m AHD	Reflectivity	Amplitude-HS HPF 500 7000 0° 90° 180° 270° 0°	Image-HS 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 18	Stereoplots Schmidt Plot - LH - Type	Core Photo



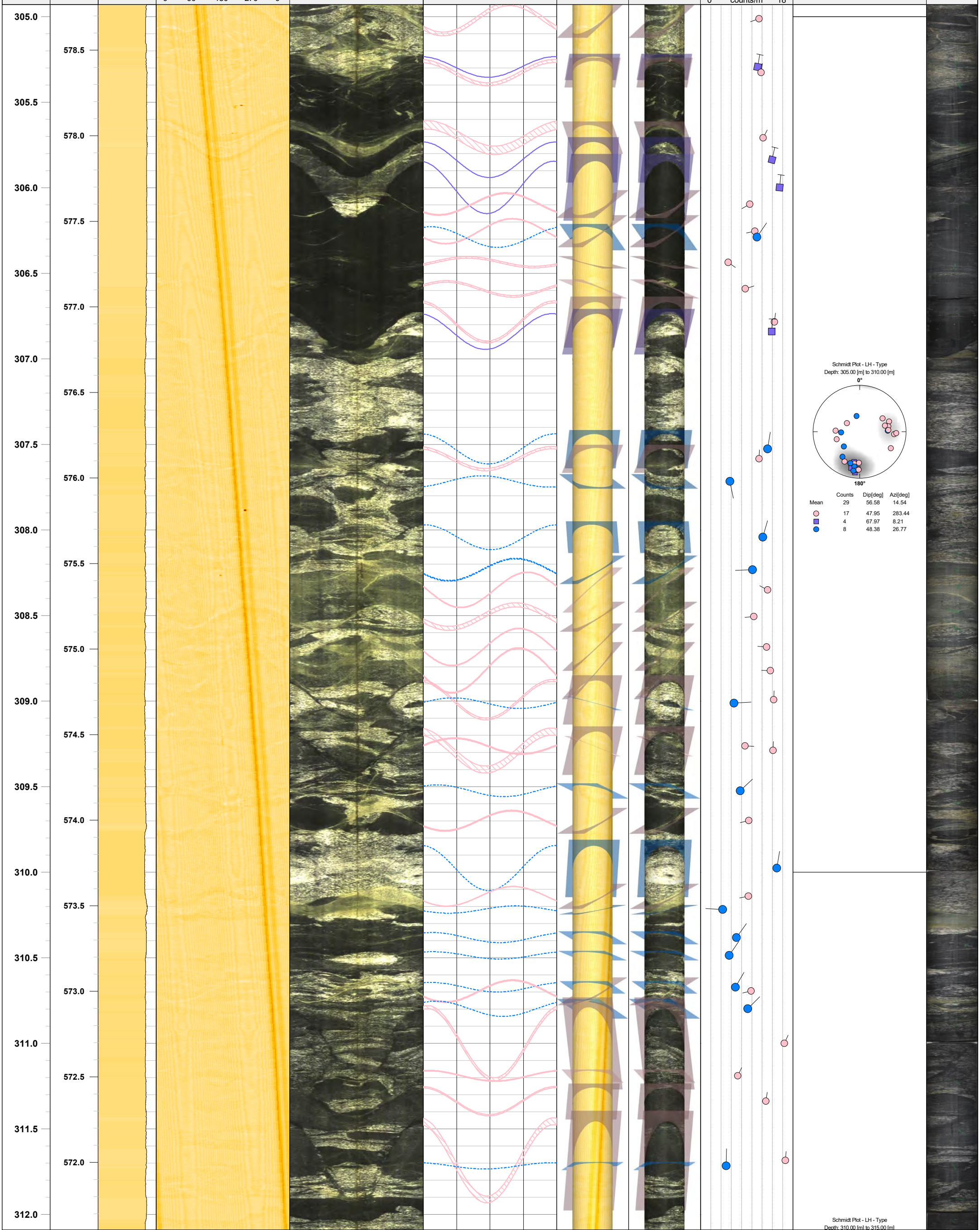
1m:20m	AHD		0° 90° 180° 270° 0° 500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 18 Freq/metre 0 90	Schmidt Plot - LH - Type	Core Photo
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	
Depth		Image Logs			Structural Data					Core

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 – 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 – 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	



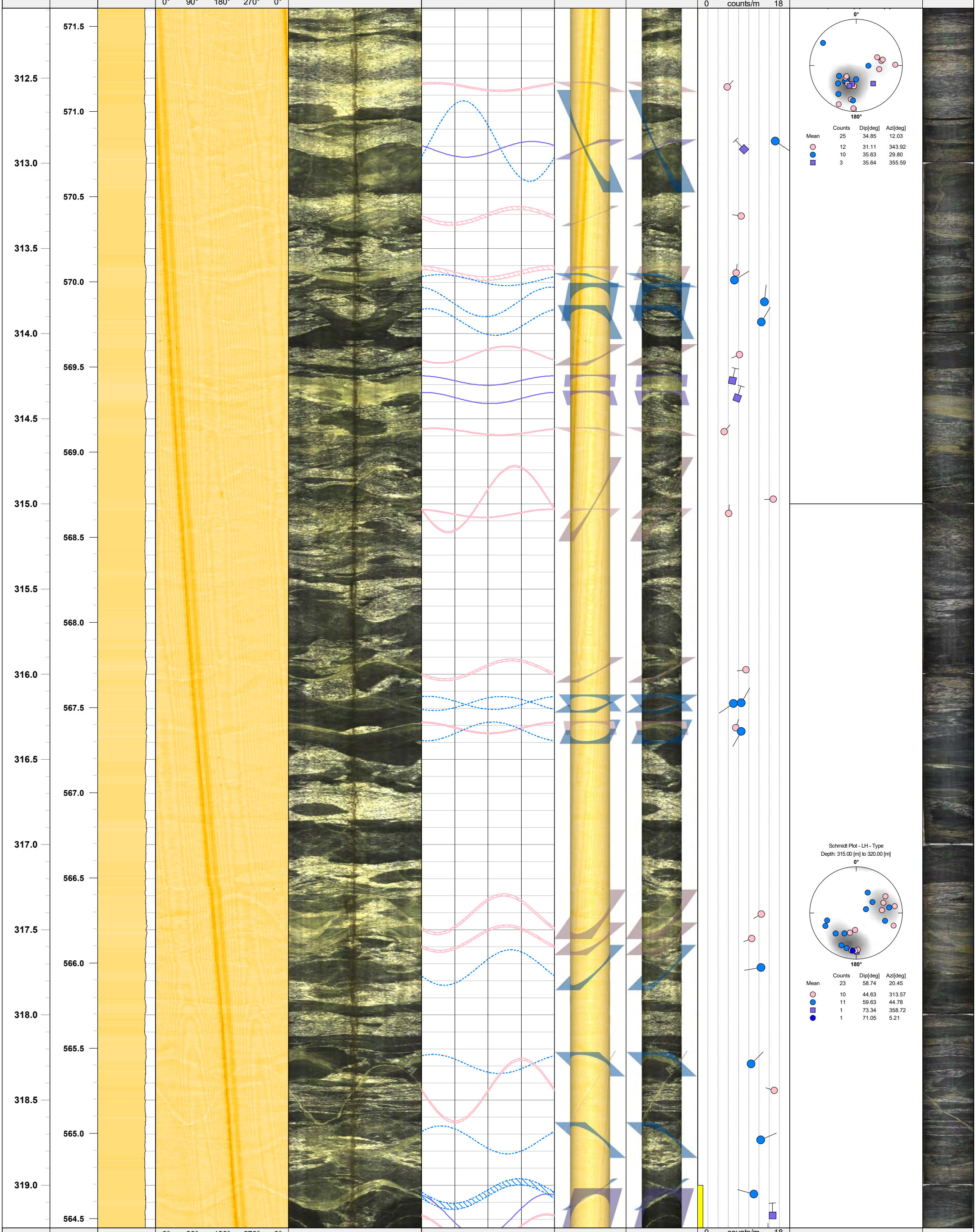
Depth		Image Logs			Structural Data					Core
1m:20m	AHD		0° 90° 180° 270° 0° 500 – 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 18 Freq/metre 0 – 90	Schmidt Plot - LH - Type	
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 – 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 – 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	



1m:20m	AHD		0° 90° 180° 270° 0° 500 – 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 18 Freq/metre 0 – 90	Schmidt Plot - LH - Type	
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	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	Amplitude-HS HPF 500 7000 0° 90° 180° 270° 0°	Image-HS 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 18	Stereoplots Schmidt Plot - LH - Type	Core Photo
319.5	564.0									
320.0	563.5									
320.5	563.0									
321.0	562.5									
321.5	562.0									
322.0	561.5									
322.5	561.0									
323.0	560.5									
323.5	560.0									
324.0	559.5									
324.5	559.0									
325.0	558.5									
325.5	558.0									
326.0	557.5									

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

0°

180°

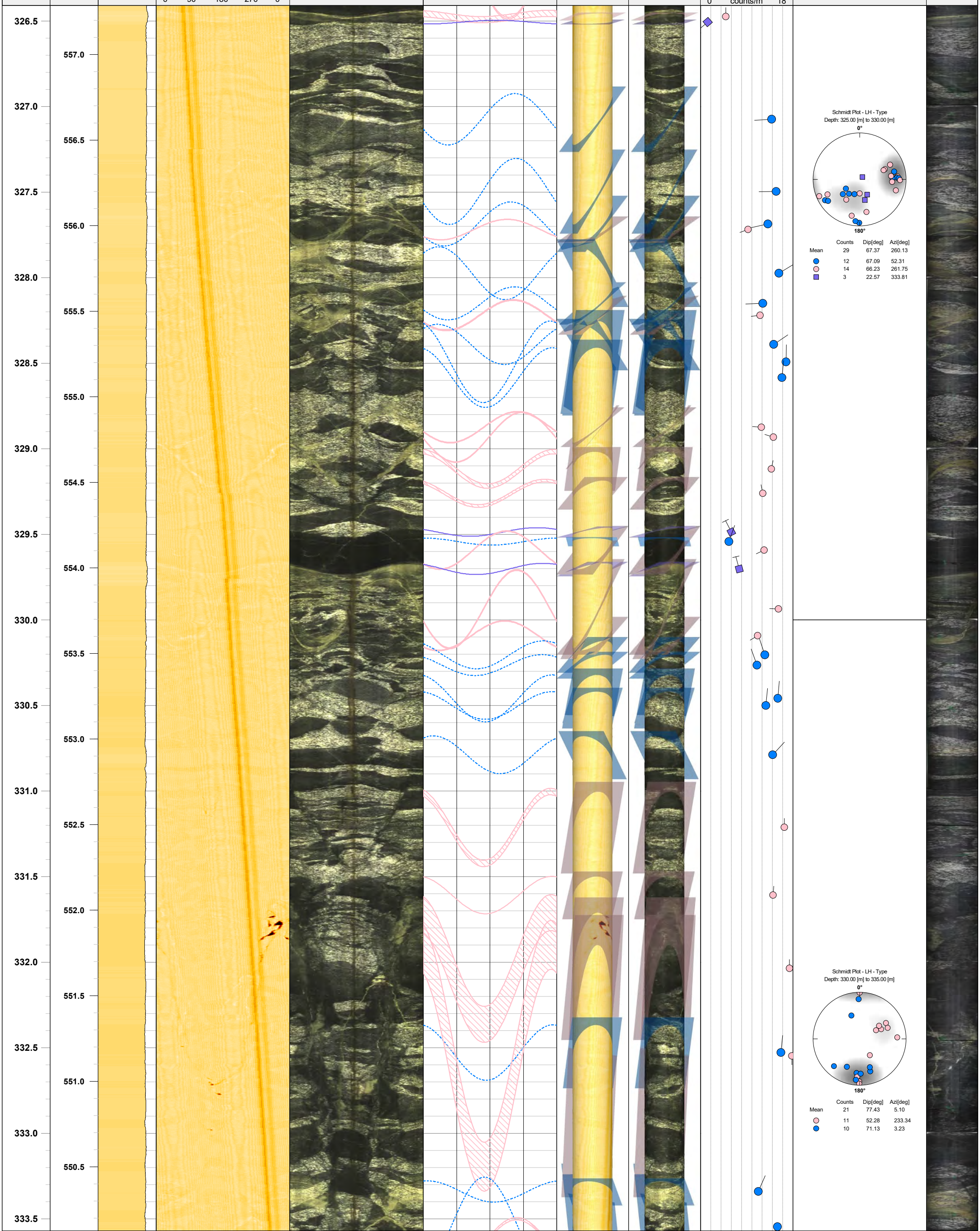
	Counts	Dip[deg]	Azi[deg]
Mean	18	53.96	35.56
	9	79.95	248.69
	8	52.43	29.32
	1	73.95	128.33

1m:20m | AHD | Reflectivity | 0° 90° 180° 270° 0° 500 7000 Amplitude-HS HPF | 0° 90° 180° 270° 0° Image-HS | 0° 90° 180° 270° 0° Apparent Structures | -0° 3D ATV | -0° 3D OTV | 0 counts/m 18 Freq/metre 0 90 Structures - TN | Schmidt Plot - LH - Type Stereoplots | Core Photo
Depth | RL m | Image Logs | Structural Data | Core
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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	



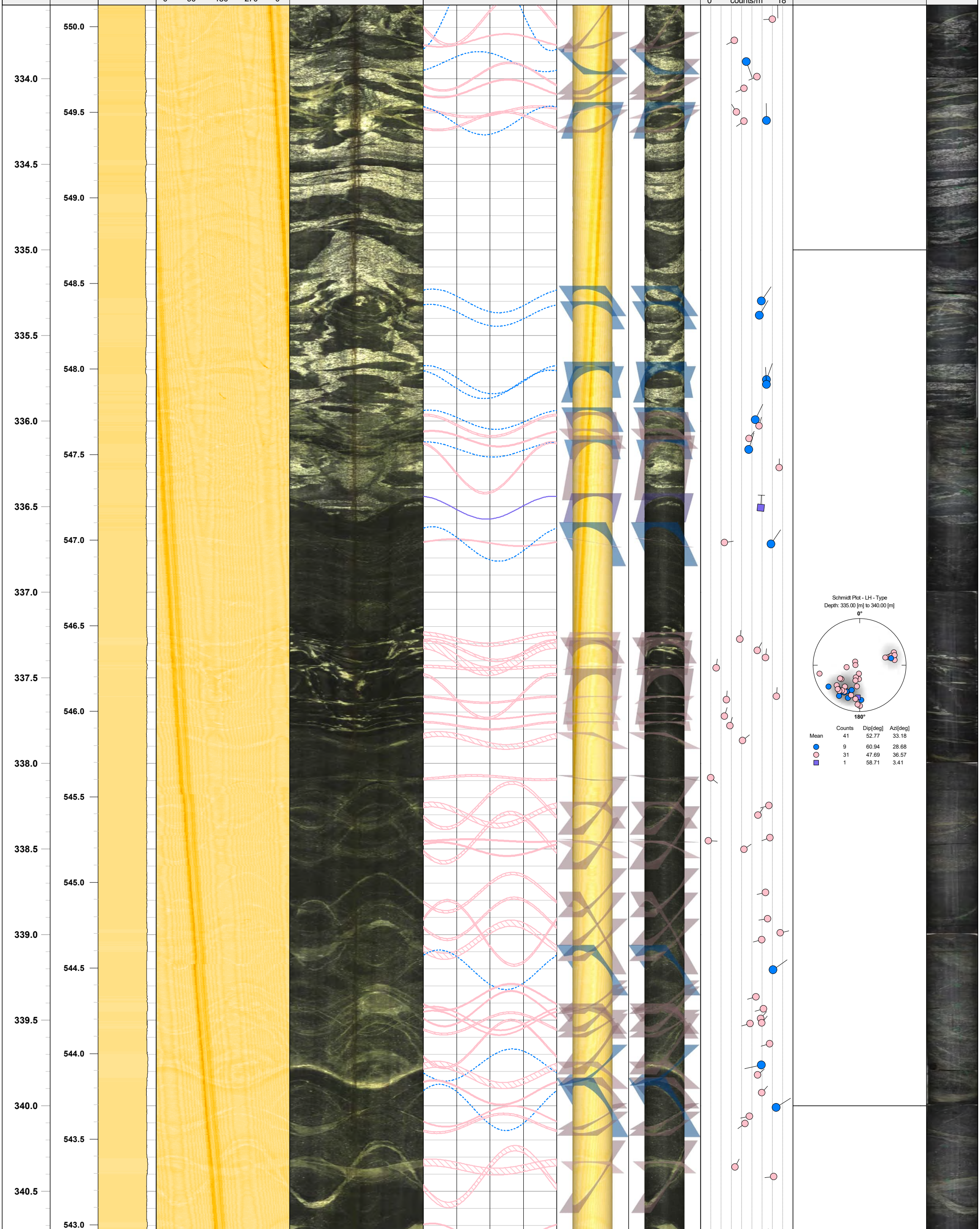
Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	



Depth		Image Logs			Structural Data					Core
1m:20m	AHD		0° 90° 180° 270° 0° 500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 18 Freq/metre 0 90	Schmidt Plot - LH - Type	
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	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	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 – 7000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 – 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	

341.0 / 542.5
341.5 / 542.0
342.0 / 541.5
342.5 / 541.0
343.0 / 540.5
343.5 / 540.0
344.0 / 539.5
344.5 / 539.0
345.0 / 538.5
345.5 / 538.0
346.0 / 537.5
346.5 / 537.0
347.0 / 536.5
347.5 / 536.0

Schmidt Plot - LH - Type
Depth: 340.00 [m] to 345.00 [m]
0°
180°

	Counts	Dip[deg]	Azi[deg]
Mean	32	81.16	241.26
	6	60.59	48.13
	26	67.87	245.98

Schmidt Plot - LH - Type
Depth: 345.00 [m] to 350.00 [m]
0°
180°

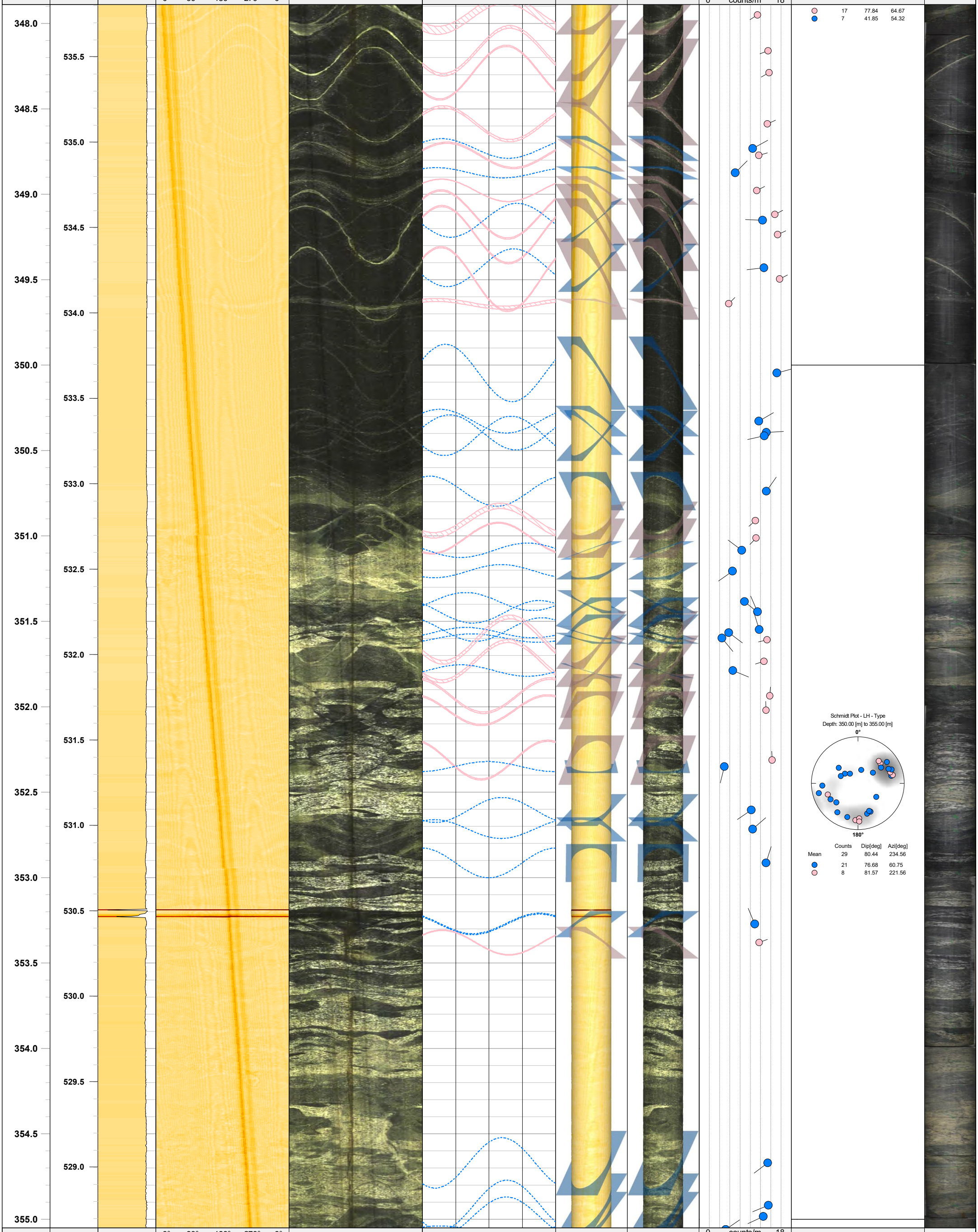
	Counts	Dip[deg]	Azi[deg]
Mean	24	71.96	64.53

1m:20m AHD Depth RL m Reflectivity Amplitude-HS HPF 500 7000 0° 90° 180° 270° 0° Image-HS 0° 90° 180° 270° 0° Apparent Structures 0° 90° 180° 270° 0° 3D ATV -0° 3D OTV -0° Structures - TN 0 counts/m 18 Freq/metre 0 90 Schmidt Plot - LH - Type 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	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 – 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 – 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	



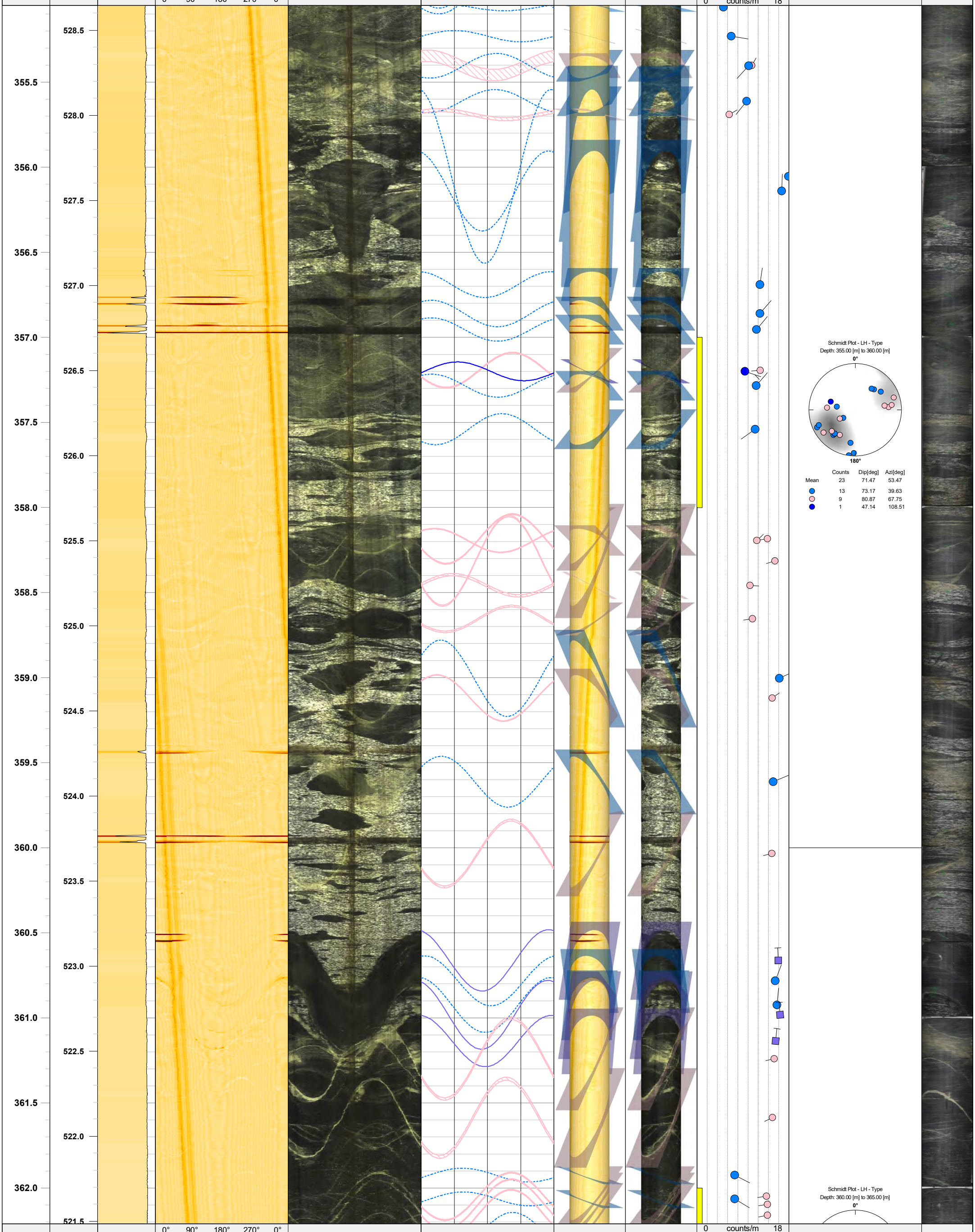
Depth		Image Logs			Structural Data					Core
1m:20m	AHD		0° 90° 180° 270° 0° 500 – 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 18 Freq/metre 0 – 90	Schmidt Plot - LH - Type	
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 – 7000; 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 – 90; Freq/metre; 0 counts/m 18	Schmidt Plot - LH - Type	



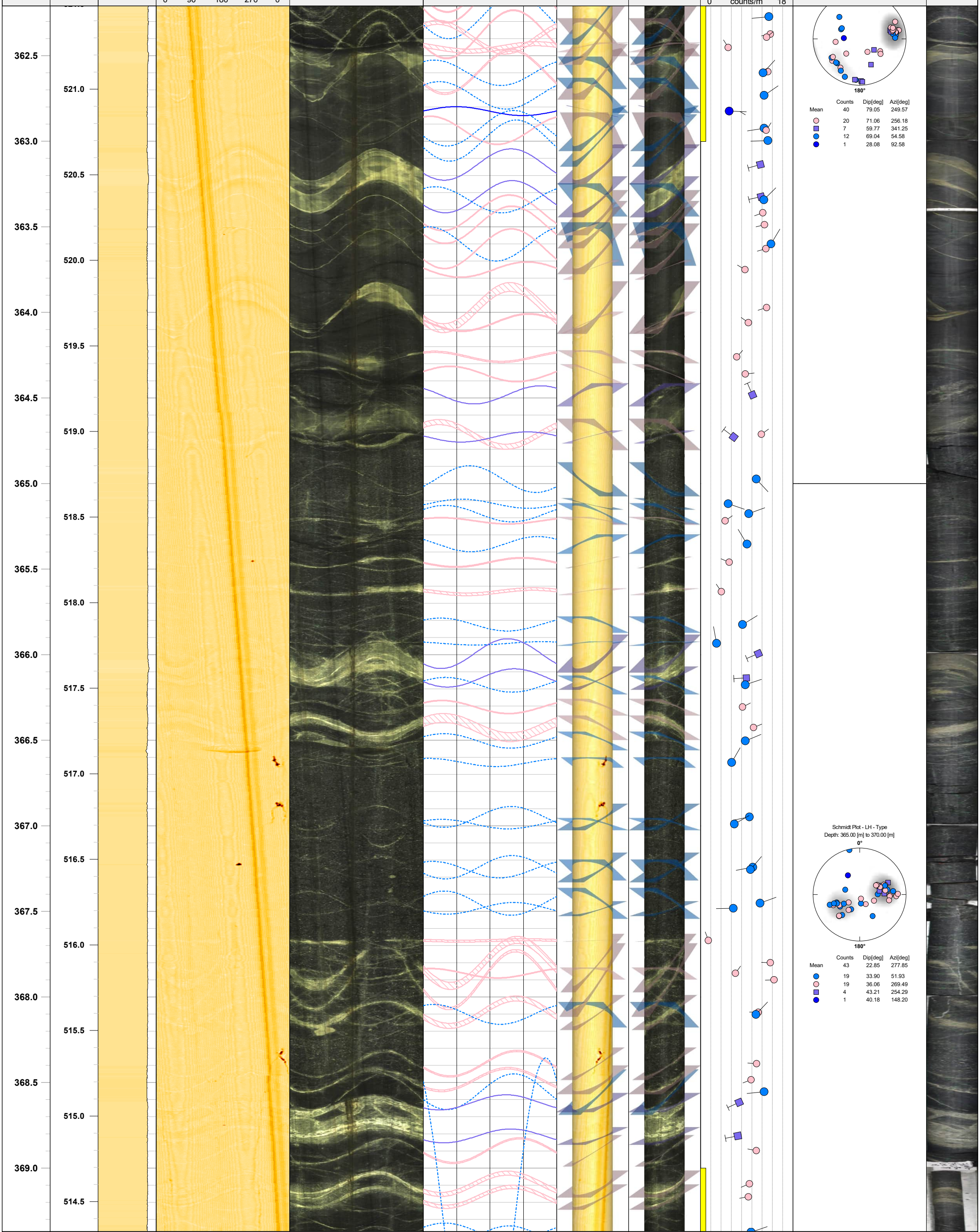
Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 – 7000; 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 – 90; Freq/metre; 0 counts/m 18	Schmidt Plot - LH - Type	

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Depth		Image Logs			Structural Data					Core
Depth 1m:20m	RL m AHD	Reflectivity	Amplitude-HS HPF 500 7000 0° 90° 180° 270° 0°	Image-HS 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 18	Stereoplots Schmidt Plot - LH - Type	Core Photo



1m:20m	AHD		0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 18	Schmidt Plot - LH - Type	Core Photo
Depth	RL m	Reflectivity	500 7000 Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Freq/metre 0 90 Structures - TN	Stereoplots	

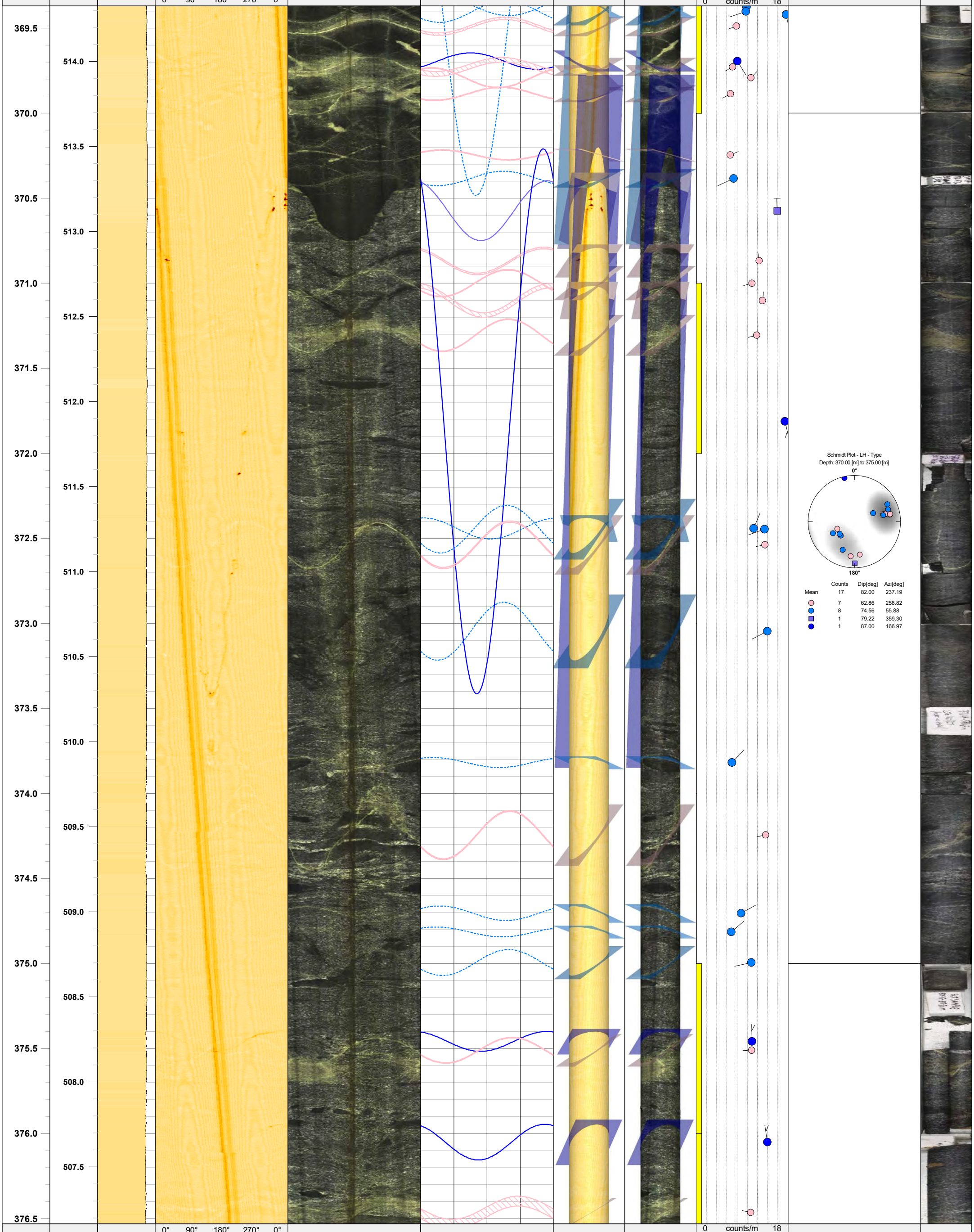
Depth	Image Logs	Structural Data	Core

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 – 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 – 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	



Schmidt Plot - LH - Type
Depth: 370.00 [m] to 375.00 [m]

0°

180°

	Counts	Dip[deg]	Azi[deg]
Mean	17	82.00	237.19
	7	62.86	258.82
	8	74.56	55.88
	1	79.22	359.30
	1	87.00	166.97

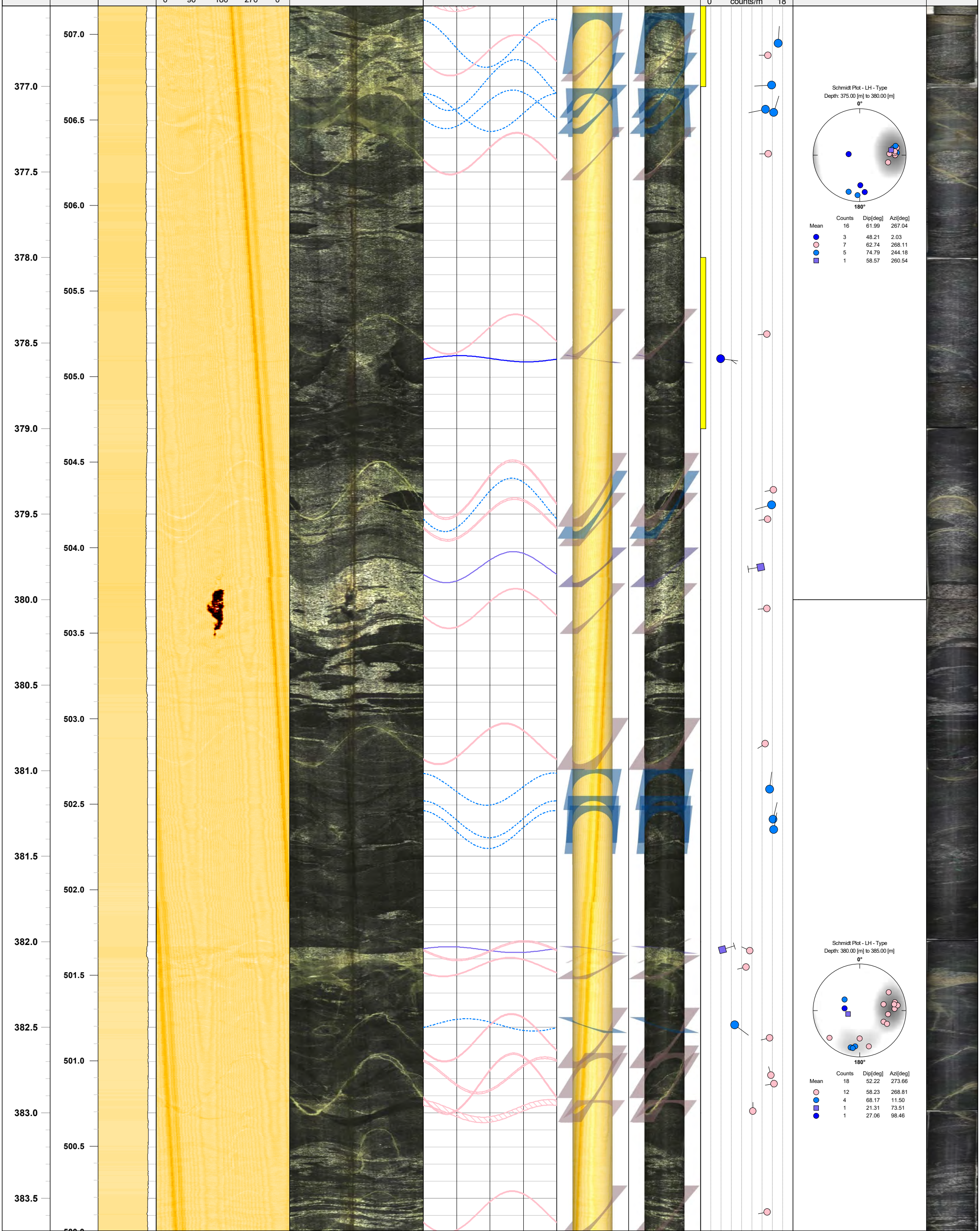
Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 – 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 – 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	

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Depth		Image Logs			Structural Data						Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots		Core Photo
1m:20m	AHD		500 7000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type		



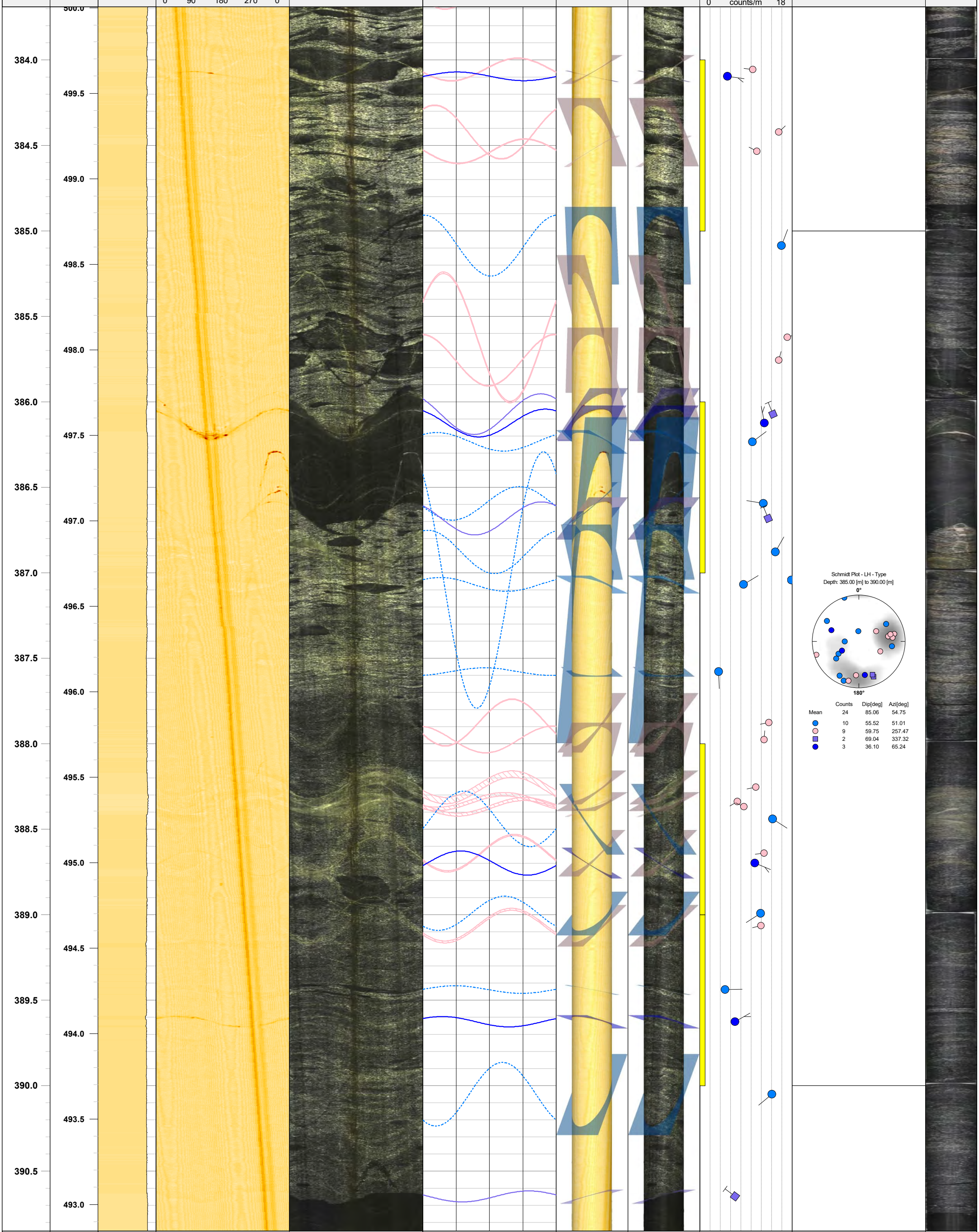
Depth		Image Logs			Structural Data						Core
1m:20m	AHD		0° 90° 180° 270° 0° 500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 18 Freq/metre 0 90	Schmidt Plot - LH - Type		
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots		Core Photo

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	



	Counts	Dip[deg]	Azi[deg]
Mean	24	85.06	54.75
	10	55.52	51.01
	9	59.75	257.47
	2	69.04	337.32
	3	36.10	65.24

Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	

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Depth		Image Logs			Structural Data						Core
Depth 1m:20m	RL m AHD	Reflectivity	Amplitude-HS HPF 500 7000 0° 90° 180° 270° 0°	Image-HS 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 18	Stereoplots Schmidt Plot - LH - Type		Core Photo

391.0 492.5 391.5 492.0 392.0 491.5 392.5 491.0 393.0 490.5 393.5 490.0 394.0 489.5 394.5 489.0 395.0 488.5 395.5 488.0 396.0 487.5 396.5 487.0 397.0 486.5 397.5 486.0 398.0

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

	Counts	Dip[deg]	Azi[deg]
Mean	31	11.69	55.51
	10	9.43	66.72
	3	32.48	267.86
	4	24.41	102.92
	14	46.30	60.18

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

	Counts	Dip[deg]	Azi[deg]
Mean	29	34.93	288.76
	4	58.13	67.13
	10	64.11	258.15
	12	44.24	16.00

1m:20m Depth | AHD RL m | Reflectivity | 0° 90° 180° 270° 0° 500 7000 Amplitude-HS HPF | 0° 90° 180° 270° 0° Image-HS | 0° 90° 180° 270° 0° Apparent Structures | -0° 3D ATV | -0° 3D OTV | 0 counts/m 18 Freq/metre 0 90 Structures - TN | Schmidt Plot - LH - Type Stereoplots | Core Photo

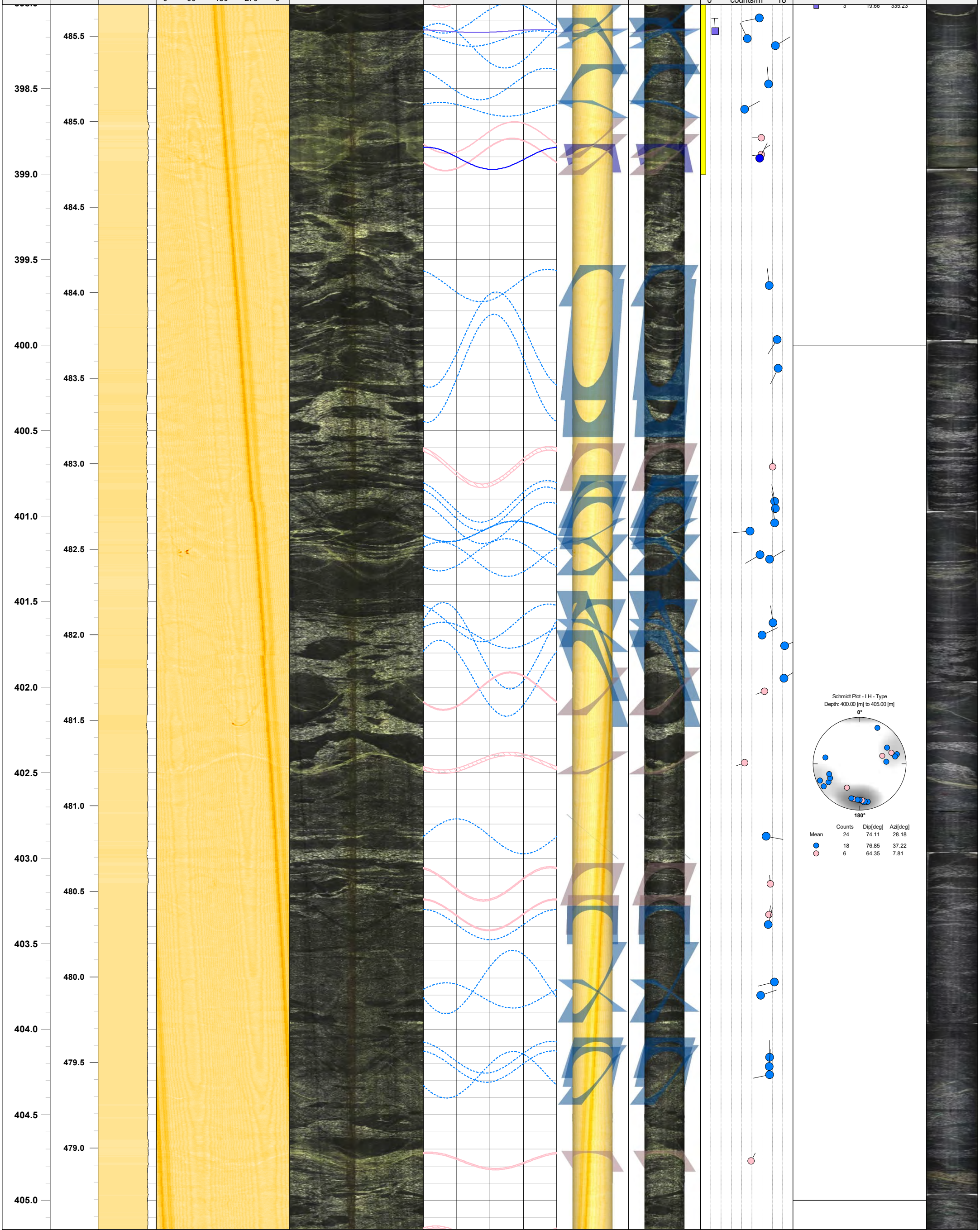
Depth | Image Logs | Structural Data | Core

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	

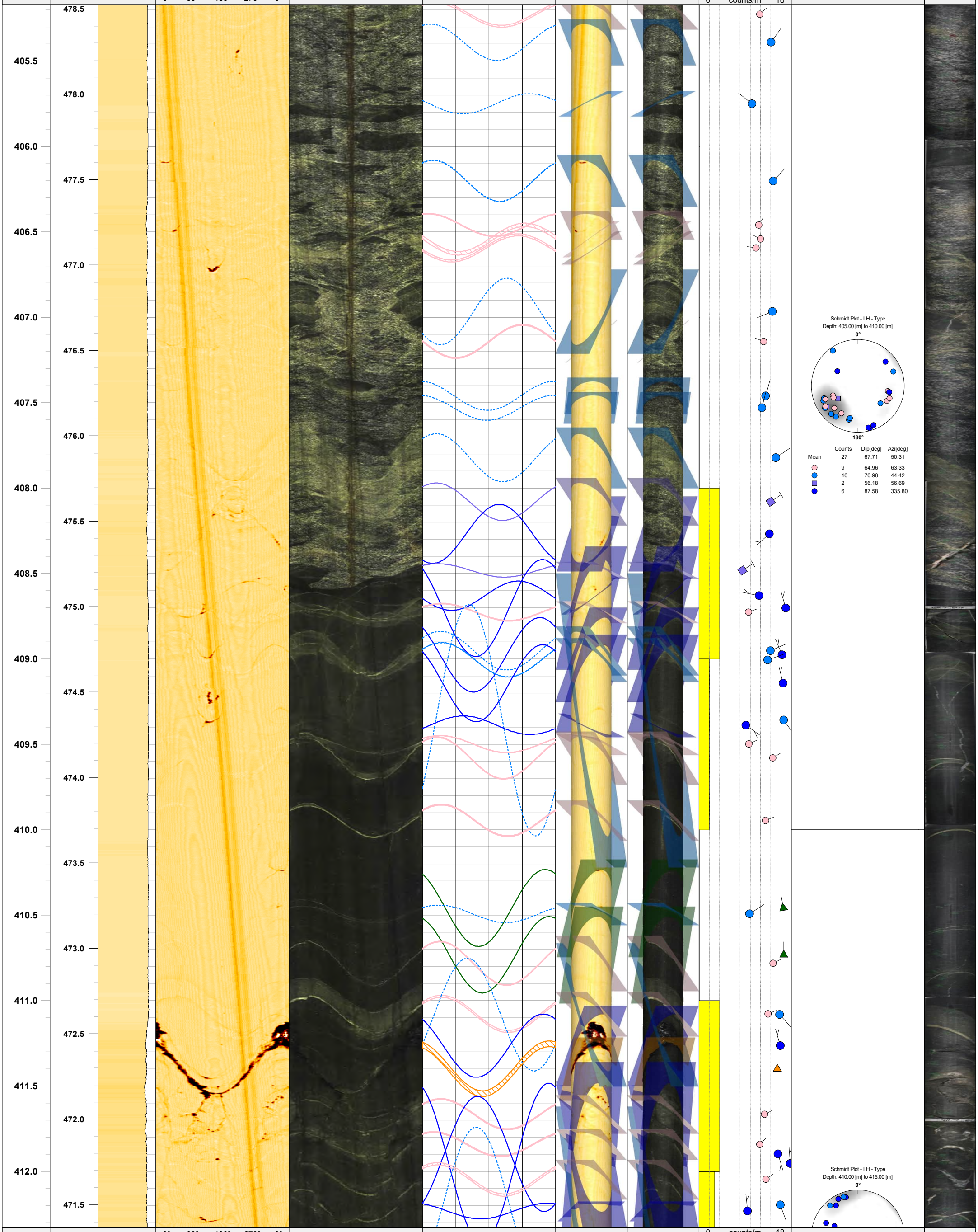


Depth		Image Logs			Structural Data					Core
1m:20m	AHD		500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 – 7000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 – 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	



1m:20m	AHD		0° 90° 180° 270° 0° 500 – 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 18 Freq/metre 0 – 90	Schmidt Plot - LH - Type	
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	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	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 – 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 – 90 Freq/metre; 0 counts/m 18	Schmidt Plot - LH - Type	

Depth: 412.5 – 419.0 m (AHD: 471.0 – 464.5)

Stereoplots:

	Counts	Dip[deg]	Azi[deg]
Mean	27	66.02	28.95
	2	82.38	354.48
	3	74.32	143.24
	9	71.05	52.47
	12	89.54	152.85
	1	76.19	359.14

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

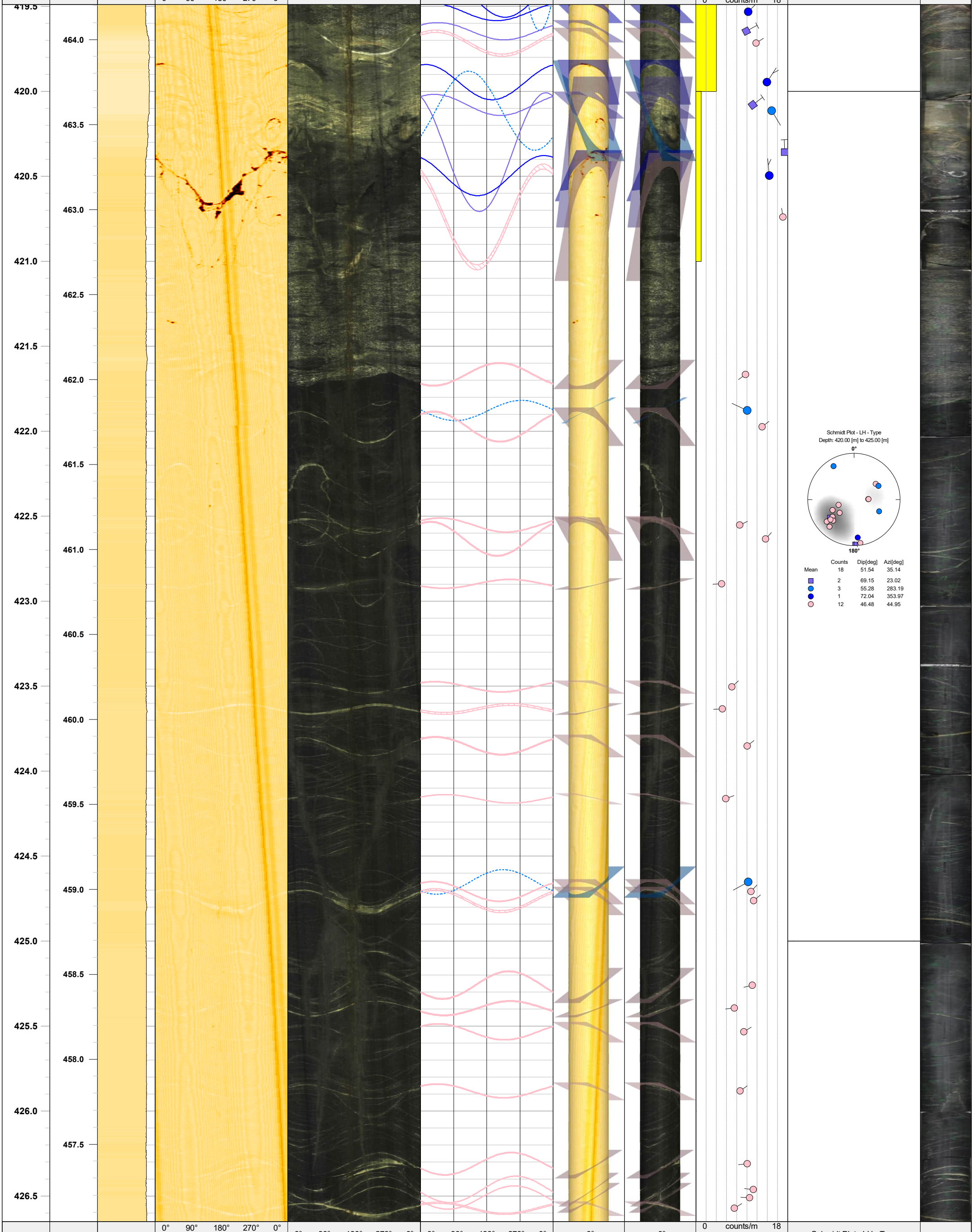
	Counts	Dip[deg]	Azi[deg]
Mean	36	52.92	30.81
	12	53.31	36.66
	8	74.32	257.31
	2	16.72	20.81
	14	57.19	334.76

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	



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

	Counts	Dip[deg]	Azi[deg]
Mean	18	51.54	35.14
	2	69.15	23.02
	3	55.28	283.19
	1	72.04	353.97
	12	46.48	44.95

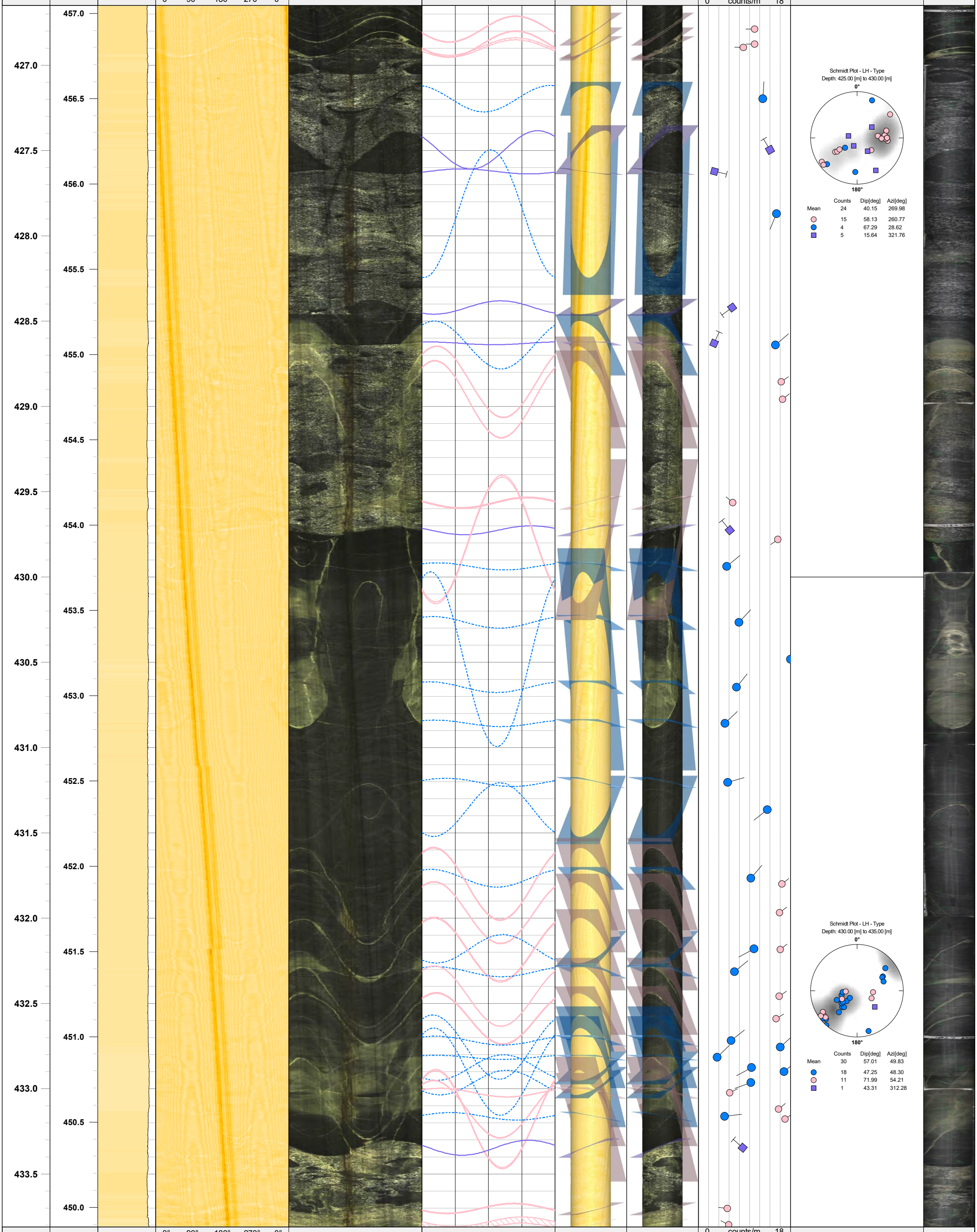
1m:20m	AHD		0° 90° 180° 270° 0° 500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 18 Freq/metre 0 90	Schmidt Plot - LH - Type	
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
Depth		Image Logs			Structural Data					Core

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 – 7000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 – 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	



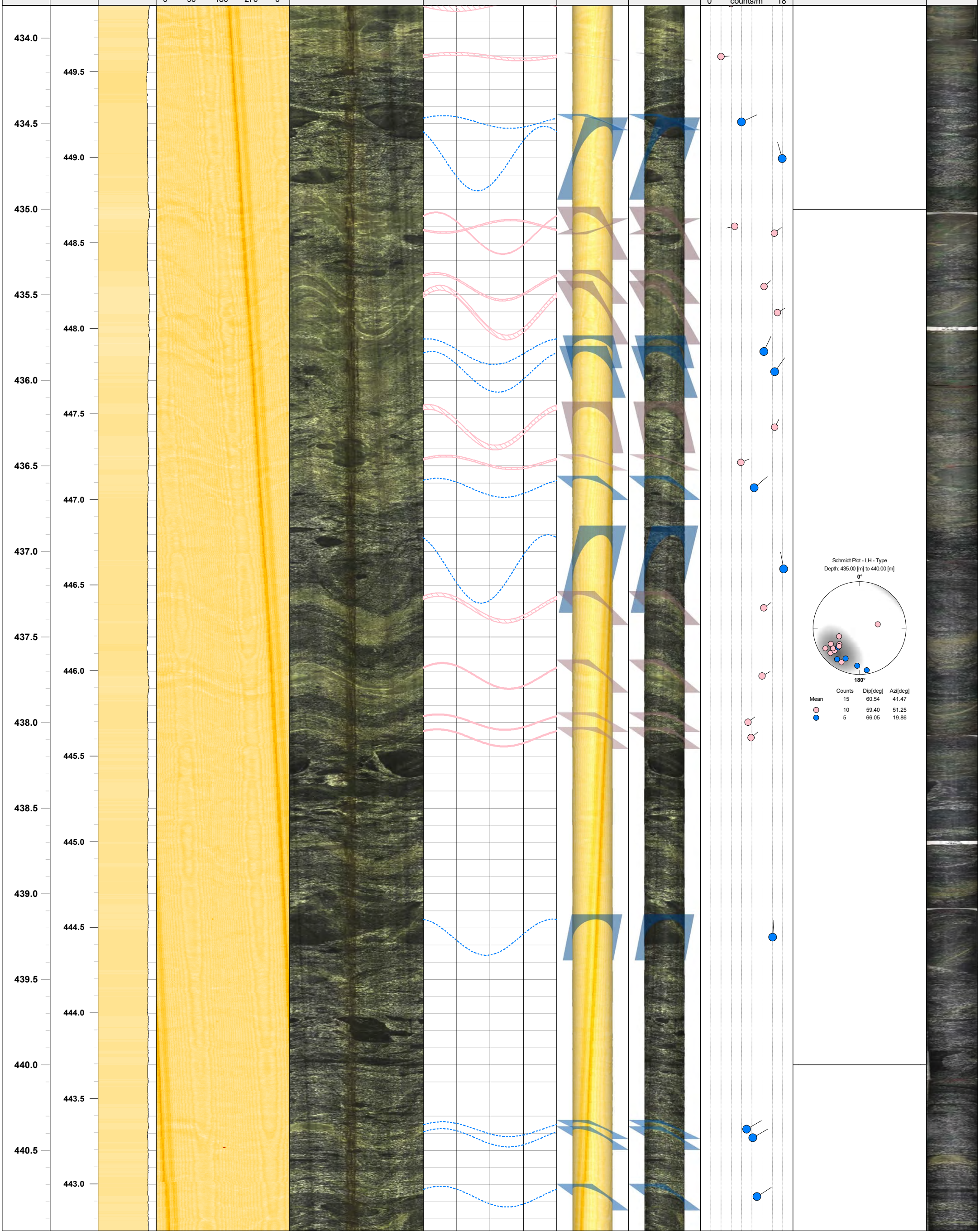
Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 – 7000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 – 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	



Schmidt Plot - LH - Type
Depth: 435.00 [m] to 440.00 [m]

	Counts	Dip[deg]	Azi[deg]
Mean	15	60.54	41.47
	10	59.40	51.25
	5	66.05	19.86

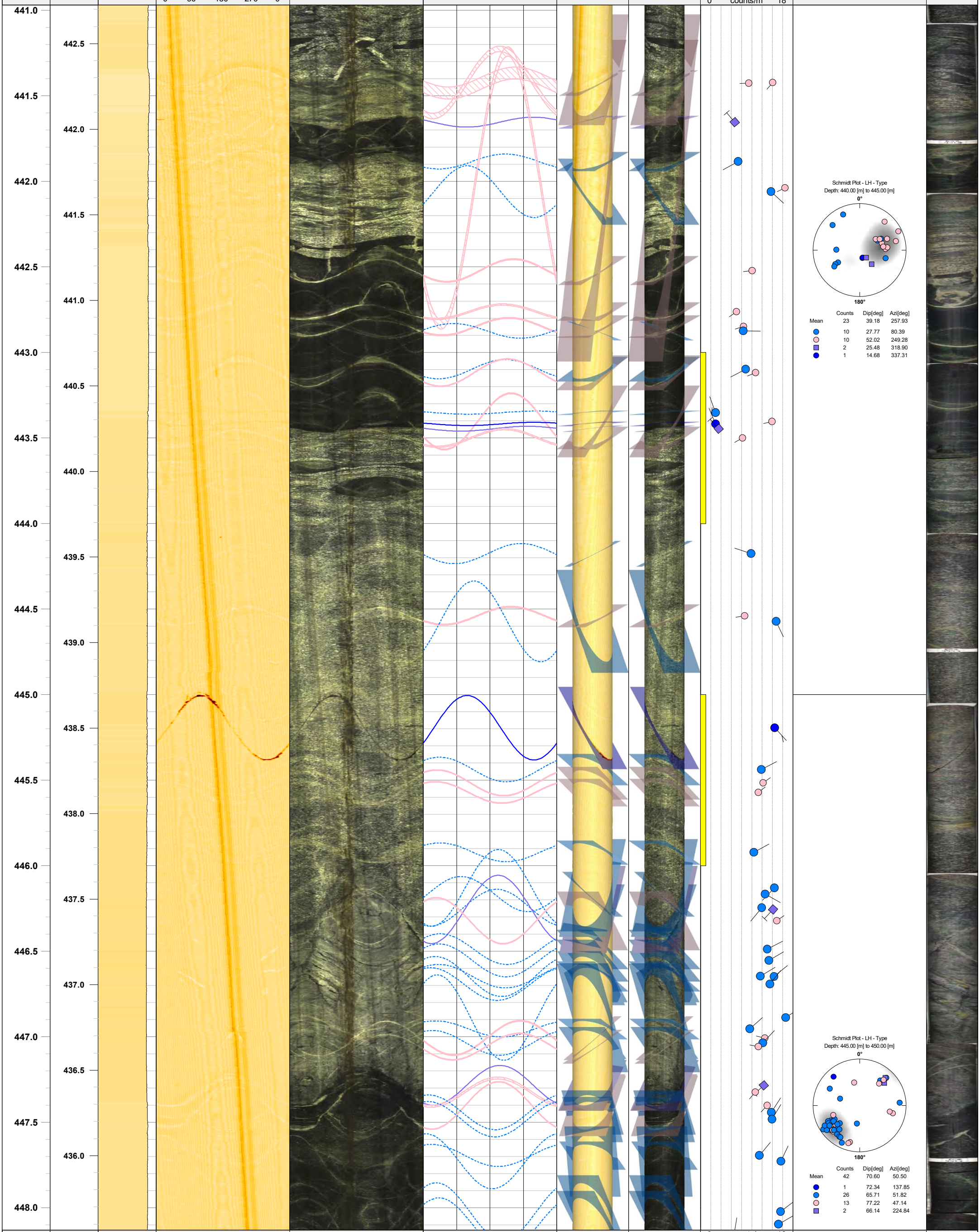
Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	

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Depth		Image Logs			Structural Data						Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots		Core Photo
1m:20m	AHD		500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type		



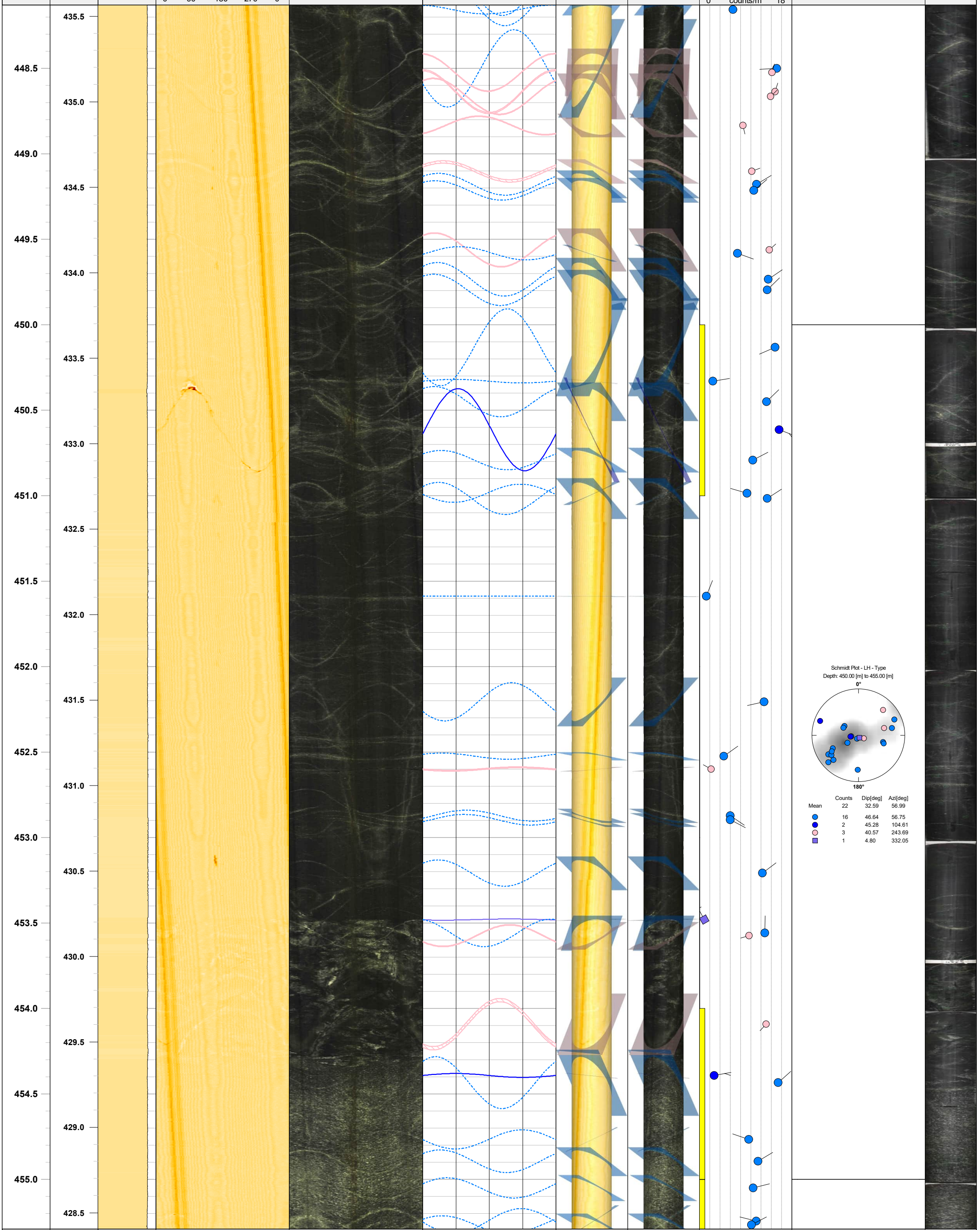
1m:20m	AHD		0° 90° 180° 270° 0° 500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 18 Freq/metre 0 90	Schmidt Plot - LH - Type	
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
Depth		Image Logs			Structural Data					Core

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	



1m:20m	AHD		0° 90° 180° 270° 0° 500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 18 Freq/metre 0 90	Schmidt Plot - LH - Type	
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	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	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 – 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 – 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	

455.5 · 456.0 · 456.5 · 457.0 · 457.5 · 458.0 · 458.5 · 459.0 · 459.5 · 460.0 · 460.5 · 461.0 · 461.5 · 462.0

428.0 · 427.5 · 427.0 · 426.5 · 426.0 · 425.5 · 425.0 · 424.5 · 424.0 · 423.5 · 423.0 · 422.5 · 422.0 · 421.5

Schmidt Plot - LH - Type
Depth: 455.00 [m] to 460.00 [m]
0°
180°

	Counts	Dip[deg]	Azi[deg]
Mean	18	45.23	48.47
	7	54.48	49.78
	2	28.62	42.31
	6	54.88	69.69
	3	29.85	0.32

Schmidt Plot - LH - Type
Depth: 460.00 [m] to 465.00 [m]
0°

1m:20m AHD Depth RL m Reflectivity 500 – 7000 Amplitude-HS HPF 0° 90° 180° 270° 0° Image-HS 0° 90° 180° 270° 0° Apparent Structures -0° 3D ATV -0° 3D OTV 0 counts/m 18 Freq/metre 0 – 90 Structures - TN Schmidt Plot - LH - Type Stereoplots Core Photo

Depth Image Logs Structural Data Core

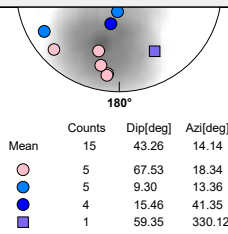
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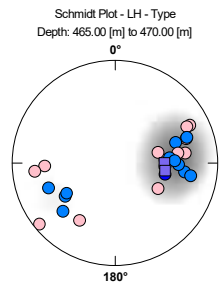
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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 – 7000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 – 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	

462.5 / 421.0 · 463.0 / 420.5 · 463.5 / 420.0 · 464.0 / 419.5 · 464.5 / 419.0 · 465.0 / 418.5 · 465.5 / 418.0 · 466.0 / 417.5 · 466.5 / 417.0 · 467.0 / 416.5 · 467.5 / 416.0 · 468.0 / 415.5 · 468.5 / 415.0 · 469.0 / 414.5 · 469.5





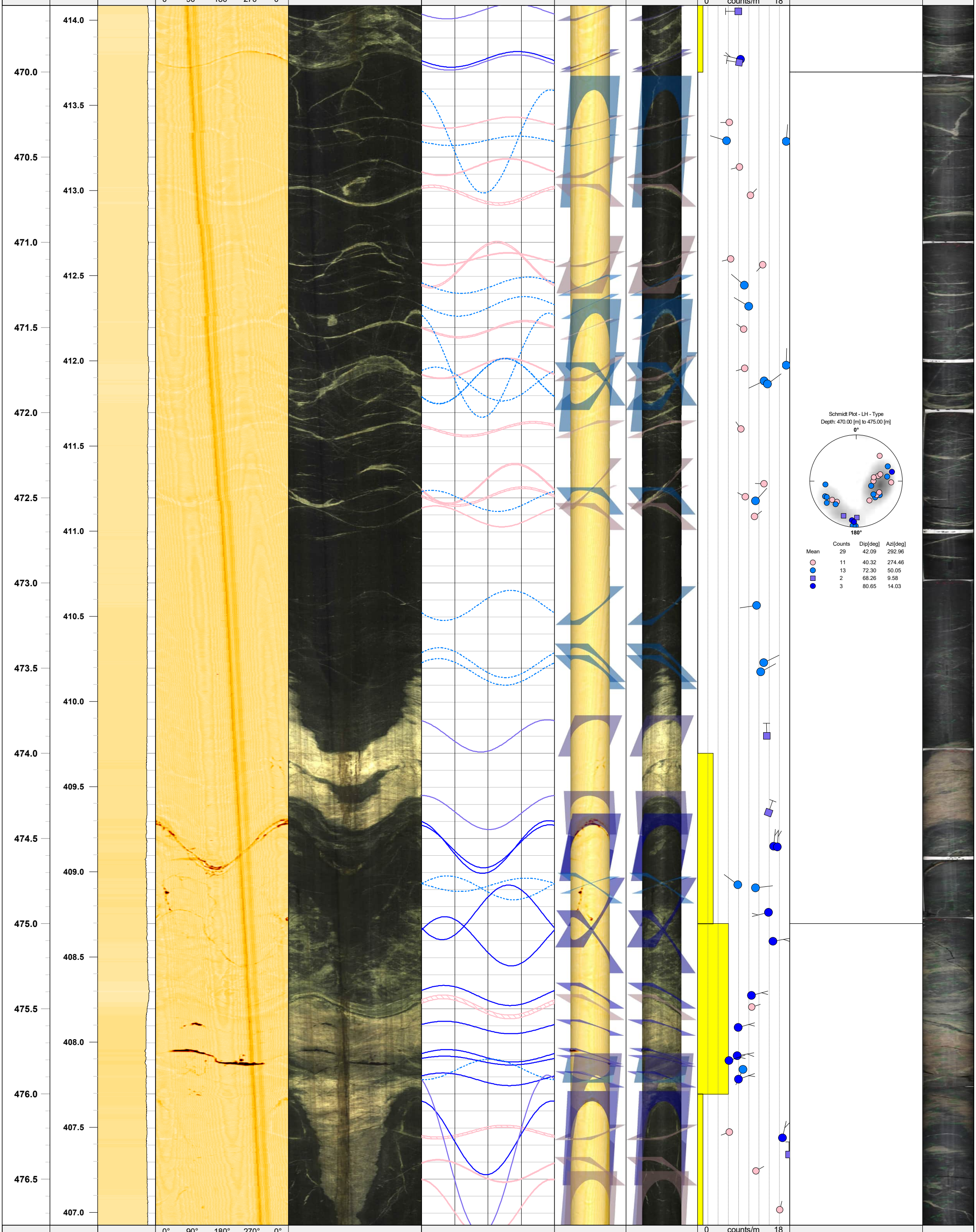
Depth		Image Logs			Structural Data					Core
1m:20m	AHD		0° 90° 180° 270° 0° 500 – 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 18 Freq/metre 0 – 90	Schmidt Plot - LH - Type	
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	



Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 – 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 – 90 Freq/metre; 0 counts/m 18	Schmidt Plot - LH - Type	

Depth (1m:20m) / RL m (AHD): 477.0 / 406.5; 477.5 / 406.0; 478.0 / 405.5; 478.5 / 405.0; 479.0 / 404.5; 479.5 / 404.0; 480.0 / 403.5; 480.5 / 403.0; 481.0 / 402.5; 481.5 / 402.0; 482.0 / 401.5; 482.5 / 401.0; 483.0 / 400.5; 483.5 / 400.0

Schmidt Plot - LH - Type
Depth: 475.00 [m] to 480.00 [m]
0°
180°

	Counts	Dip[deg]	Azi[deg]
Mean	26	44.96	60.53
	11	39.23	76.69
	10	70.98	46.78
	4	41.26	210.49
	1	89.45	359.74

Schmidt Plot - LH - Type
Depth: 480.00 [m] to 485.00 [m]
0°
180°

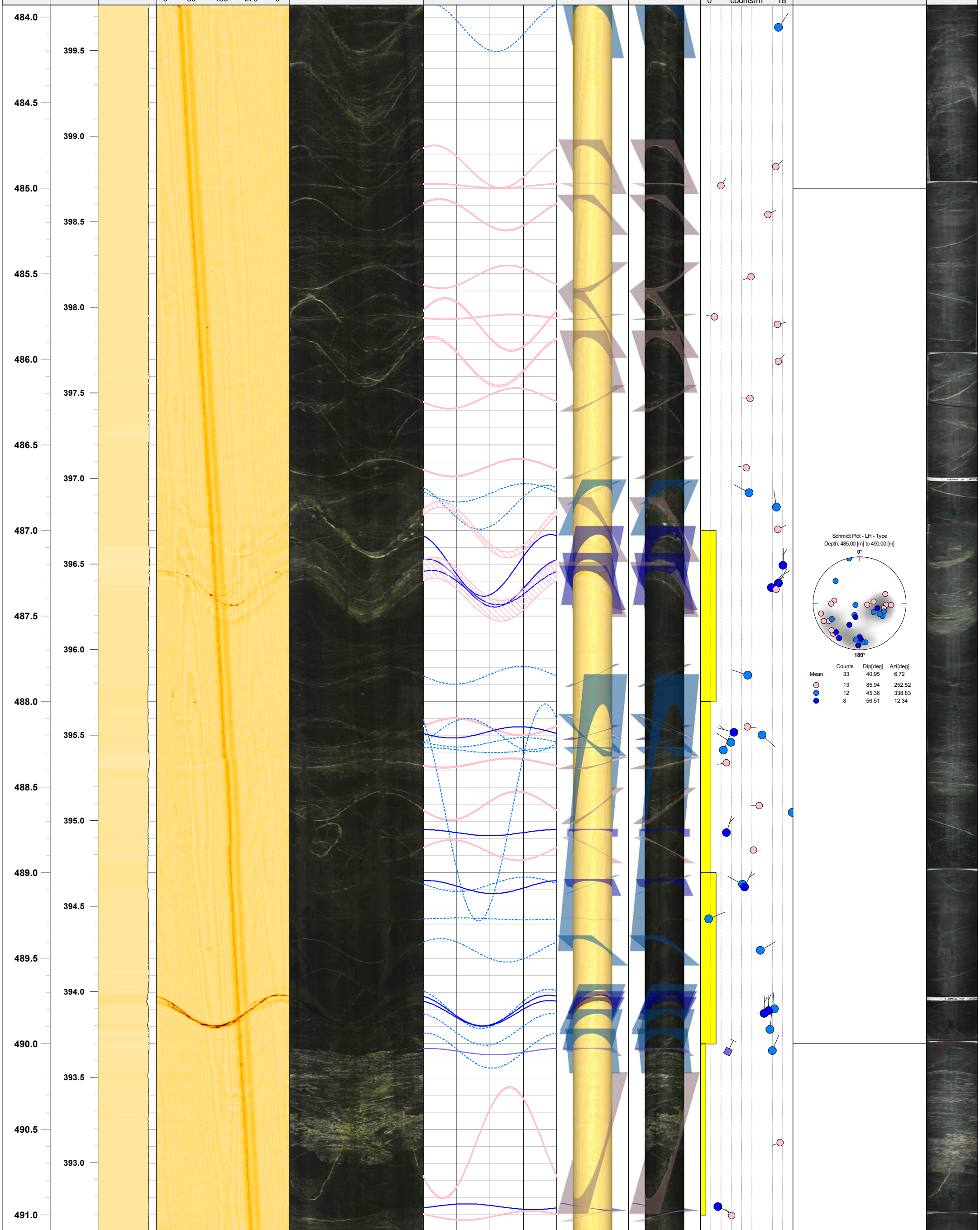
	Counts	Dip[deg]	Azi[deg]
Mean	25	56.64	252.28
	10	58.23	35.84
	13	55.76	249.00
	2	12.75	281.45

Depth | Image Logs | Structural Data | Core
Depth | RL m | Reflectivity | Amplitude-HS HPF | Image-HS | Apparent Structures | 3D ATV | 3D OTV | Structures - TN | Stereoplots | Core Photo
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Depth		Image Logs			Structural Data					Core
Depth 1m:20m	RL m AHD	Reflectivity	Amplitude-HS HPF 500 7000 0° 90° 180° 270° 0°	Image-HS 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 18	Stereoplots Schmidt Plot - LH - Type	Core Photo



	Counts	Dip[deg]	Azi[deg]
Mean	33	40.95	6.72
	13	85.94	252.52
	12	45.36	338.83
	8	56.51	12.34

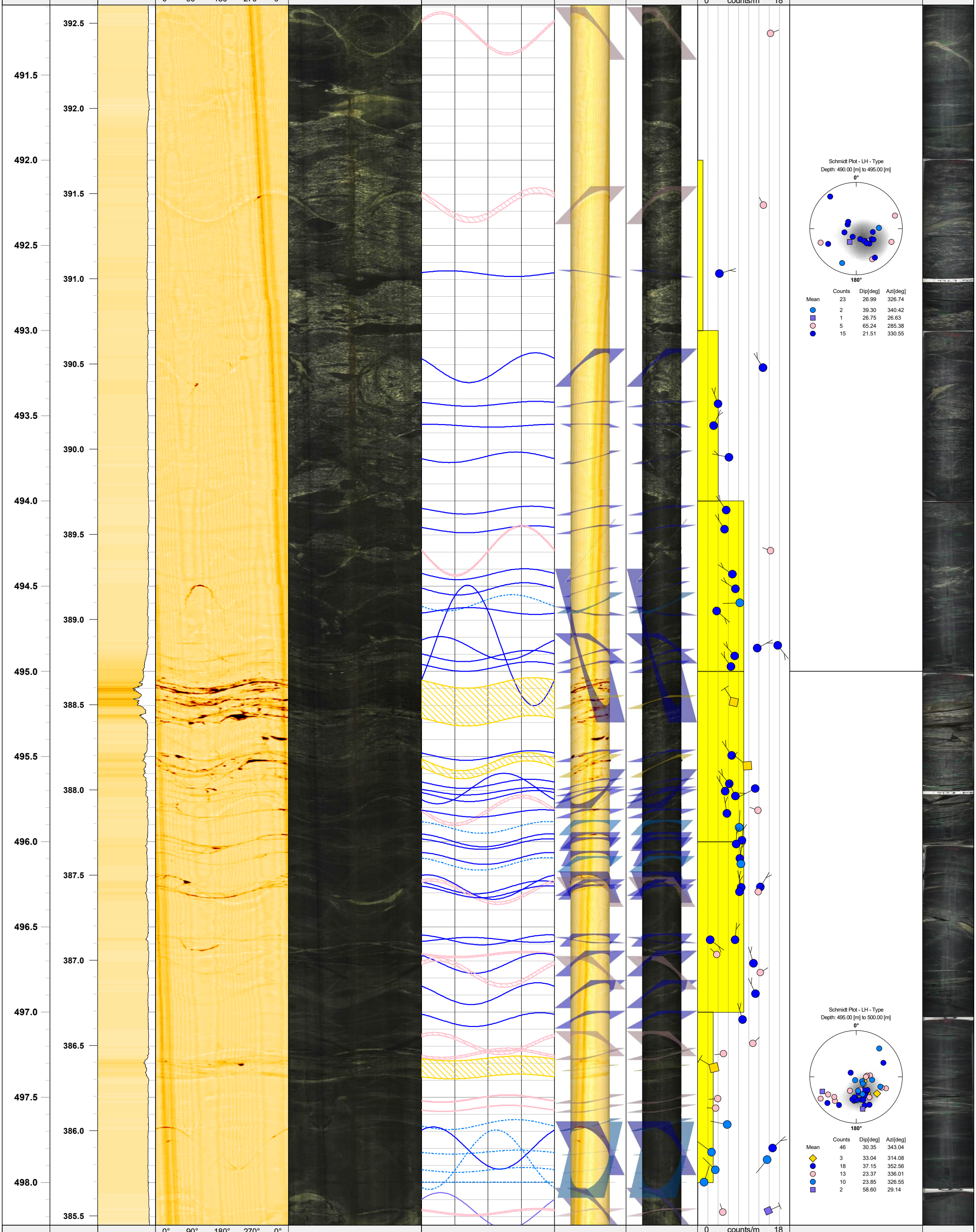
1m:20m	AHD		0° 90° 180° 270° 0° 500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 18 Freq/metre 0 90	Schmidt Plot - LH - Type	Core Photo
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	
Depth		Image Logs			Structural Data					Core

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 – 7000; 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 – 90; Freq/metre; 0 counts/m 18	Schmidt Plot - LH - Type	



Depth		Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		0° 90° 180° 270° 0°; 500 – 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 18; Freq/metre; 0 – 90	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	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 – 7000; 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 – 90; Freq/metre; 0 counts/m 18	Schmidt Plot - LH - Type	

Depth (1m:20m) / RL m (AHD): 498.5 / 385.0; 499.0 / 384.5; 499.5 / 384.0; 500.0 / 383.5; 500.5 / 383.0; 501.0 / 382.5; 501.5 / 382.0; 502.0 / 381.5; 502.5 / 381.0; 503.0 / 380.5; 503.5 / 380.0; 504.0 / 379.5; 504.5 / 379.0; 505.0 / 378.5

Schmidt Plot - LH - Type
Depth: 500.00 [m] to 505.00 [m]

	Counts	Dip[deg]	Azi[deg]
Mean	16	36.12	325.98
	8	45.56	297.73
	4	14.42	327.66
	2	64.68	356.58
	2	59.64	20.88

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	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	

505.5 / 378.0
506.0 / 377.5
506.5 / 377.0
507.0 / 376.5
507.5 / 376.0
508.0 / 375.5
508.5 / 375.0
509.0 / 374.5
509.5 / 374.0
510.0 / 373.5
510.5 / 373.0
511.0 / 372.5
511.5 / 372.0
512.0 / 371.5
512.5

Schmidt Plot - LH - Type
Depth: 505.00 [m] to 510.00 [m]
0°
180°

	Counts	Dip[deg]	Azi[deg]
Mean	13	47.04	87.93
	5	56.00	103.35
	8	41.71	77.31

Schmidt Plot - LH - Type
Depth: 510.00 [m] to 515.00 [m]
0°

1m:20m AHD Depth RL m Reflectivity 500 7000 Amplitude-HS HPF 0° 90° 180° 270° 0° Image-HS 0° 90° 180° 270° 0° Apparent Structures -0° 3D ATV -0° 3D OTV 0 counts/m 18 Freq/metre 0 90 Structures - TN Schmidt Plot - LH - Type 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	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	

Depth: 513.00 m to 520.00 m

	Counts	Dip[deg]	Azi[deg]
Mean	19	38.51	73.06
	11	51.19	65.52
	6	52.18	291.83
	2	35.25	162.42

Schmidt Plot - LH - Type
Depth: 515.00 m to 520.00 m

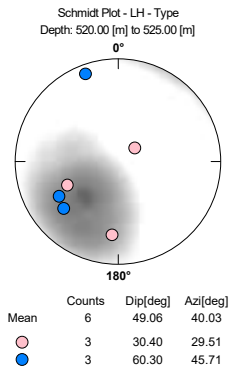
	Counts	Dip[deg]	Azi[deg]
Mean	22	47.62	55.90
	7	61.19	50.53
	15	44.98	59.10

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 – 7000; 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 – 90; Freq/metre; 0 counts/m 18	Schmidt Plot - LH - Type	

Depth: 520.0 (AHD 363.5) to 526.5 (AHD 357.0)



	Counts	Dip[deg]	Azi[deg]
Mean	6	49.06	40.03
	3	30.40	29.51
	3	60.30	45.71

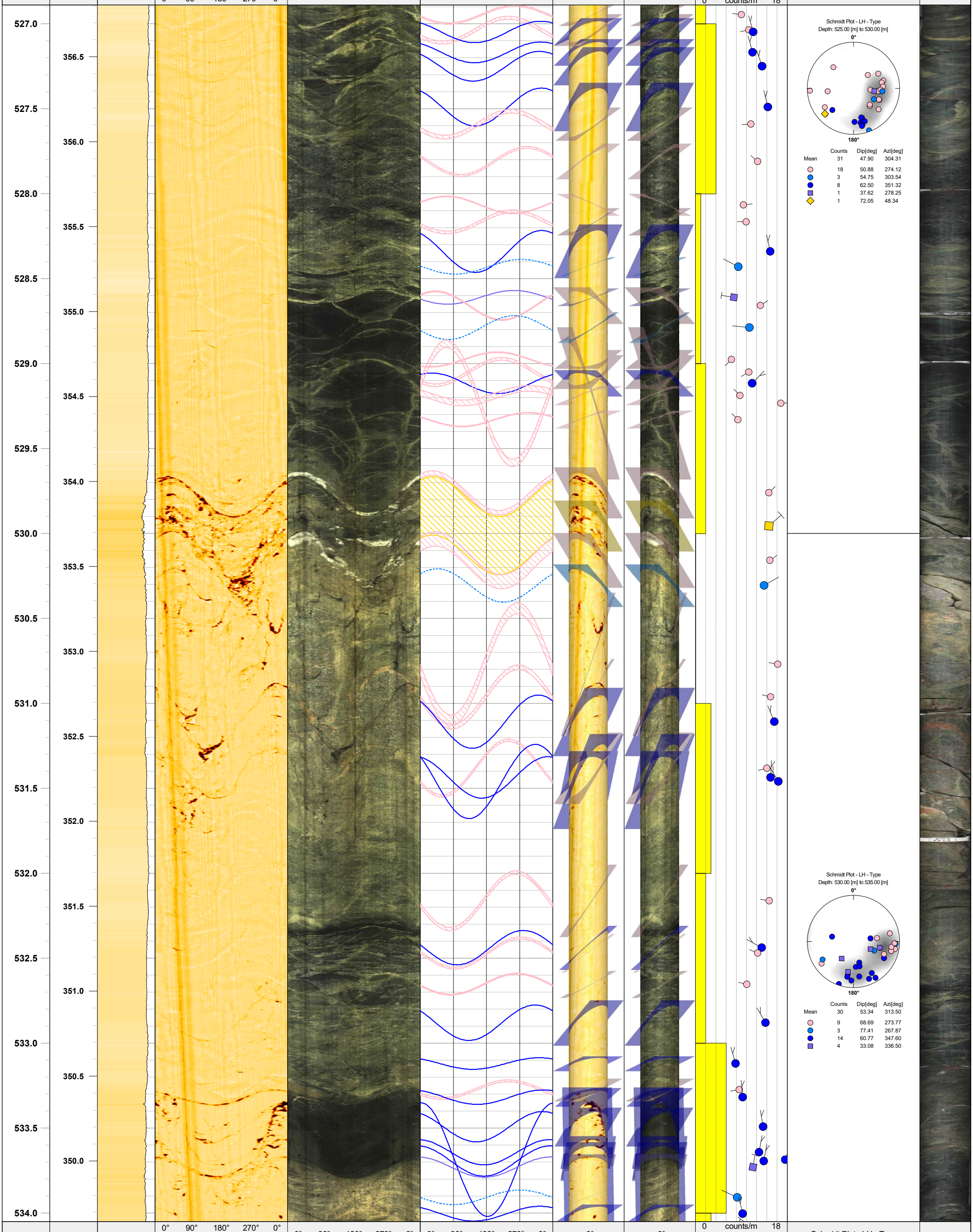
Depth		Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 – 7000; 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 – 90; Freq/metre; 0 counts/m 18	Schmidt Plot - LH - Type	

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Depth		Image Logs			Structural Data						Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots		Core Photo
1m:20m	AHD		500 7000					0 90			
			0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	Freq/metre	Schmidt Plot - LH - Type		
								0 counts/m 18			



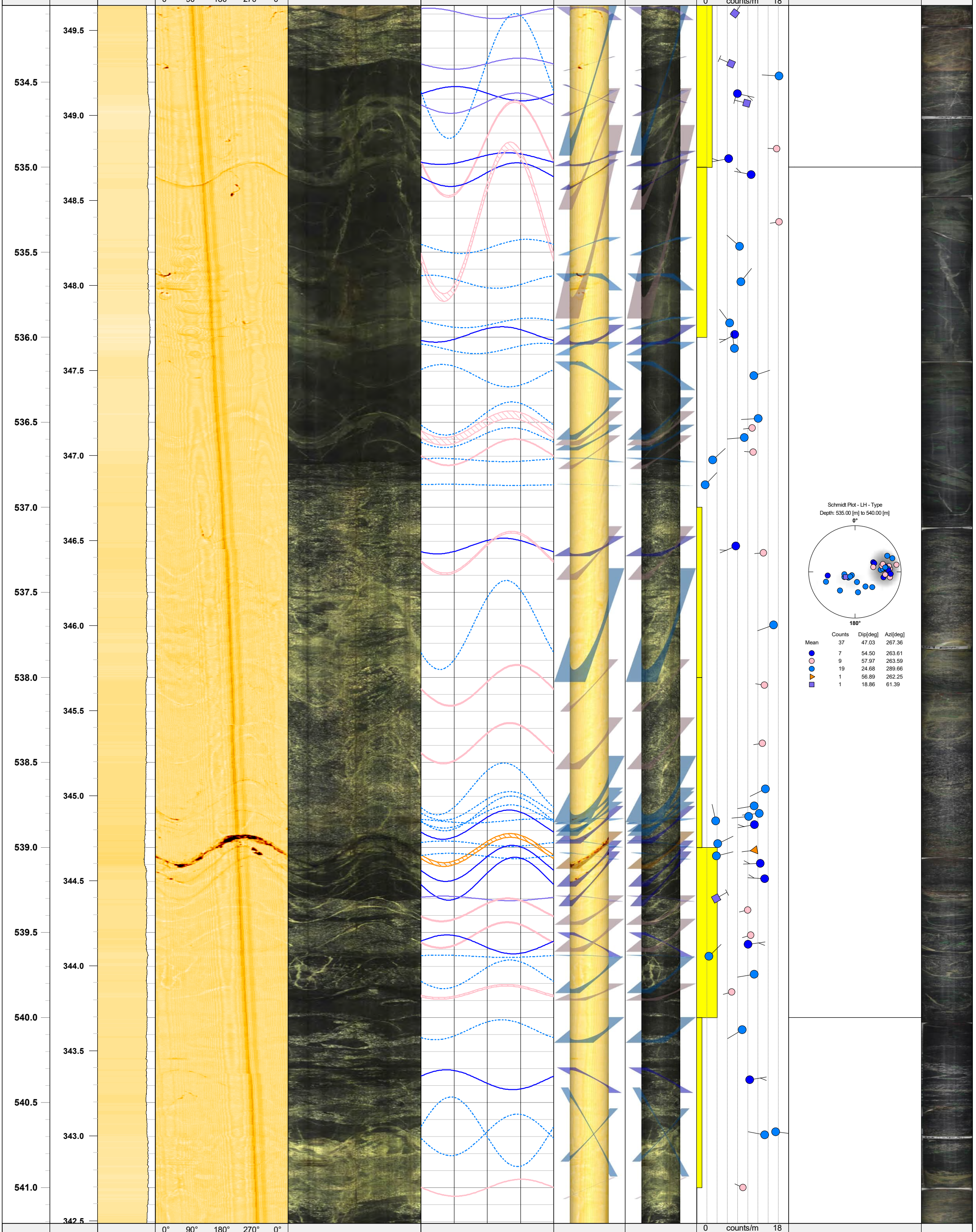
1m:20m	AHD		0° 90° 180° 270° 0° 500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 18 Freq/metre 0 90	Schmidt Plot - LH - Type	Core Photo
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	
Depth		Image Logs			Structural Data					Core

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	



Schmidt Plot - LH - Type
Depth: 535.00 [m] to 540.00 [m]

0°

180°

	Counts	Dip[deg]	Azi[deg]
Mean	37	47.03	267.36
	7	54.50	263.61
	9	57.97	263.59
	19	24.68	289.66
	1	56.89	262.25
	1	18.86	61.39

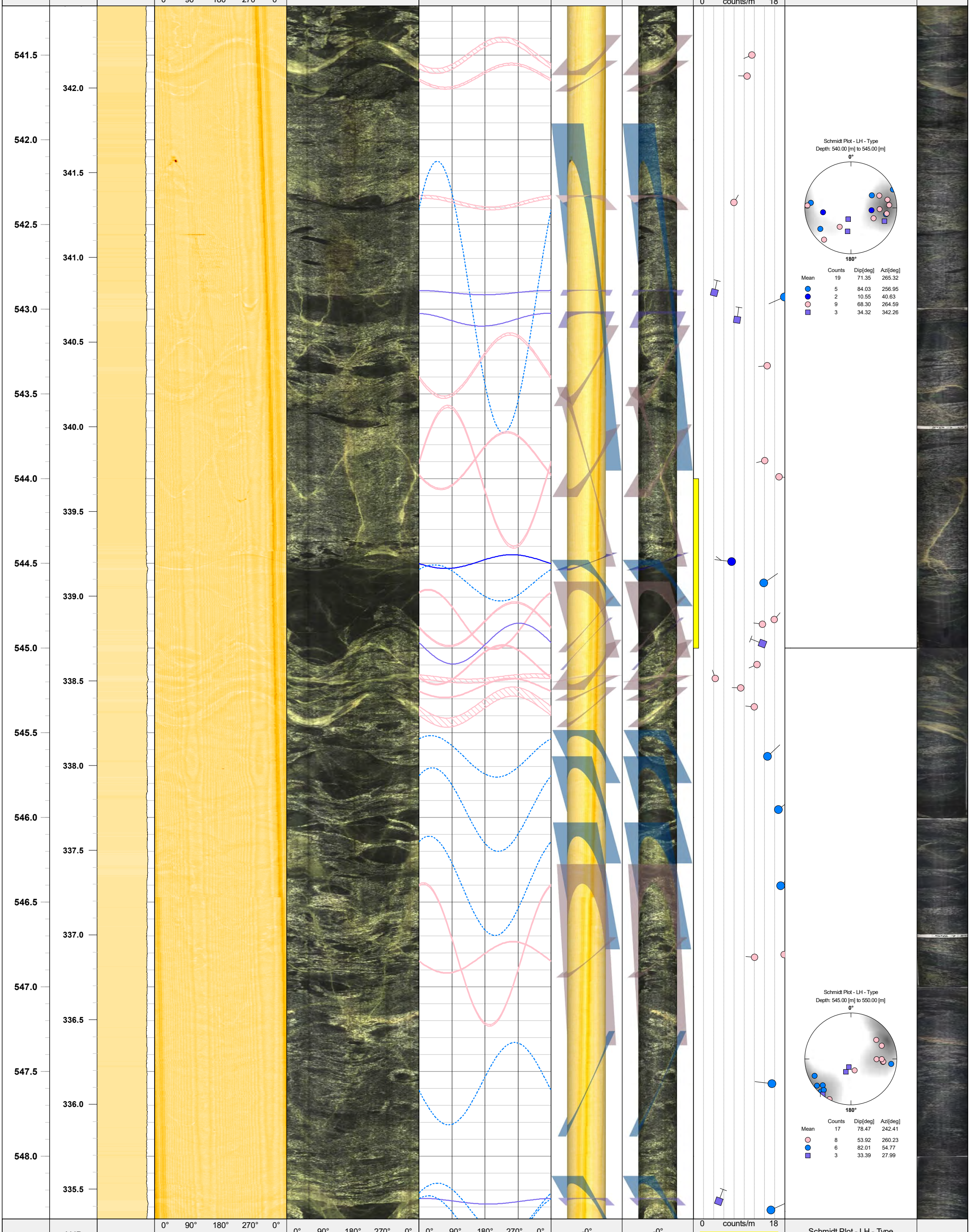
Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	

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Depth		Image Logs			Structural Data					Core
Depth 1m:20m	RL m AHD	Reflectivity	Amplitude-HS HPF 500 7000 0° 90° 180° 270° 0°	Image-HS 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 18	Stereoplots Schmidt Plot - LH - Type	Core Photo



Depth		Image Logs			Structural Data					Core
1m:20m Depth	AHD RL m	Reflectivity	0° 90° 180° 270° 0° 500 7000 Amplitude-HS HPF	0° 90° 180° 270° 0° Image-HS	0° 90° 180° 270° 0° Apparent Structures	-0° 3D ATV	-0° 3D OTV	0 counts/m 18 Freq/metre 0 90 Structures - TN	Schmidt Plot - LH - Type Stereoplots	Core Photo

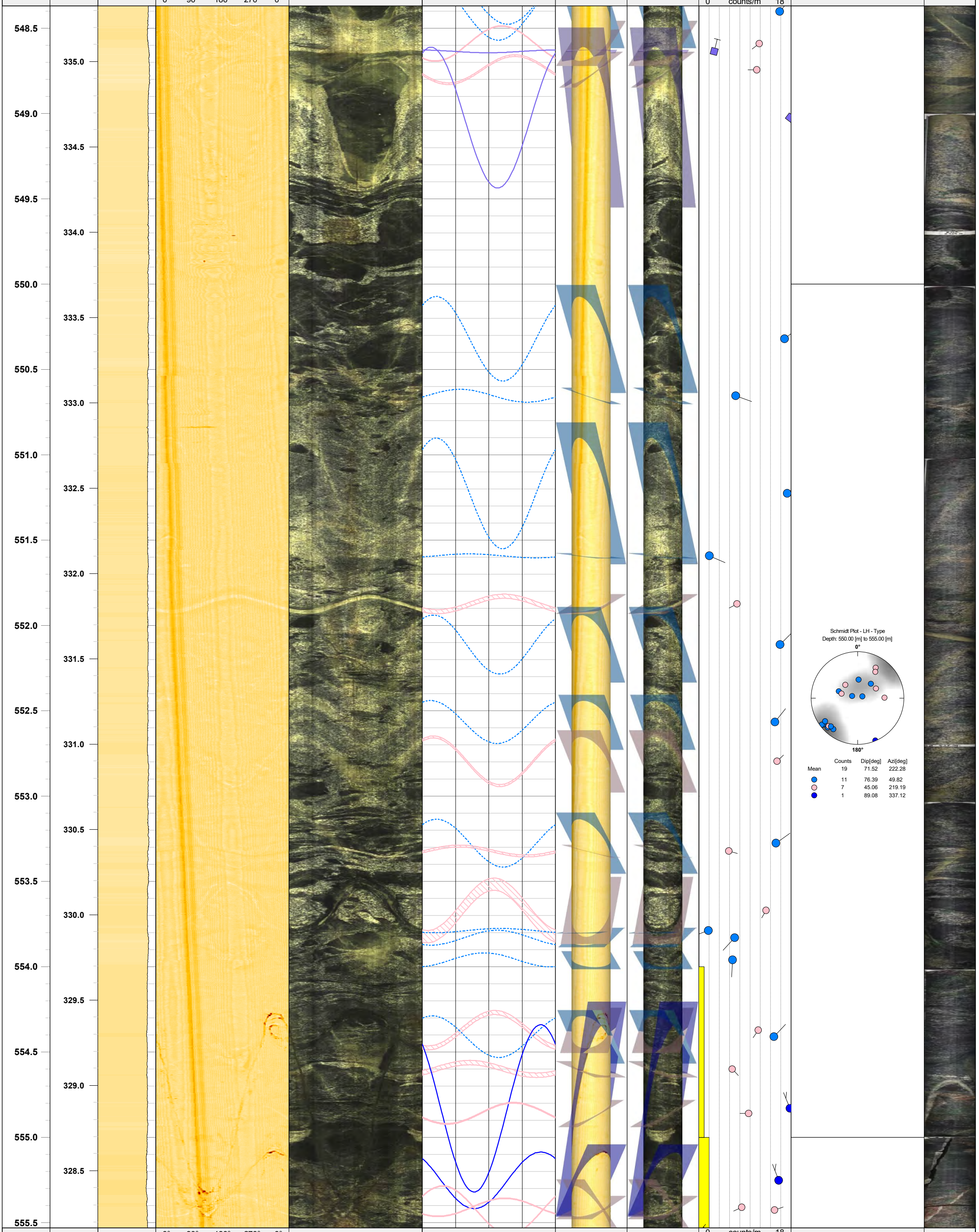
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Depth		Image Logs			Structural Data					Core
Depth 1m:20m	RL m AHD	Reflectivity	Amplitude-HS HPF 500 7000 0° 90° 180° 270° 0°	Image-HS 0° 90° 180° 270° 0°	Apparent Structures 0° 90° 180° 270° 0°	3D ATV -0°	3D OTV -0°	Structures - TN 0 90 Freq/metre 0 counts/m 18	Stereoplots Schmidt Plot - LH - Type	Core Photo

548.5 335.0 549.0 334.5 549.5 334.0 550.0 333.5 550.5 333.0 551.0 332.5 551.5 332.0 552.0 331.5 552.5 331.0 553.0 330.5 553.5 330.0 554.0 329.5 554.5 329.0 555.0 328.5 555.5



	Counts	Dip[deg]	Azi[deg]
Mean	19	71.52	222.28
	11	76.39	49.82
	7	45.06	219.19
	1	89.08	337.12

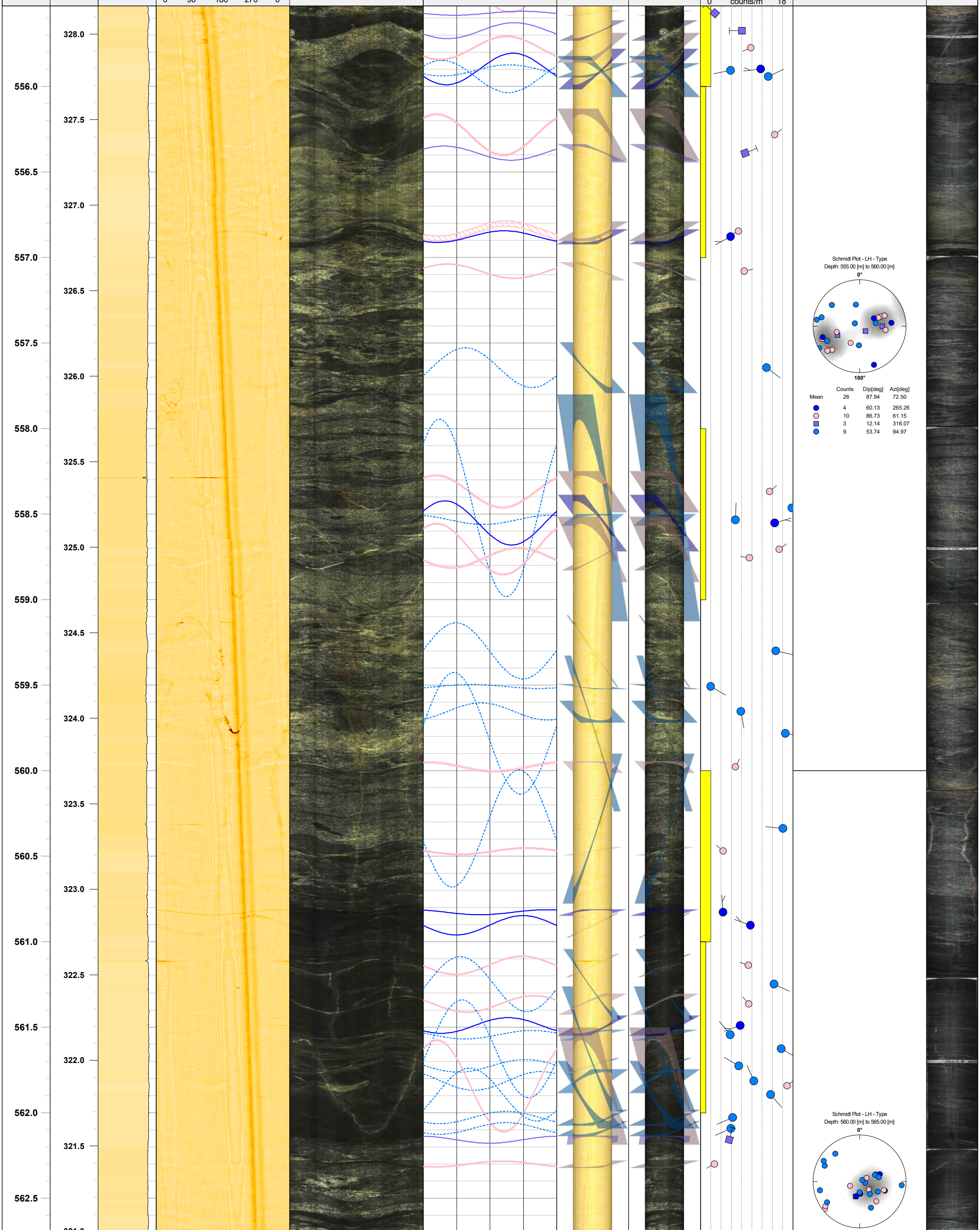
Depth		Image Logs			Structural Data					Core
1m:20m Depth	AHD RL m	Reflectivity	0° 90° 180° 270° 0° 500 7000 Amplitude-HS HPF	0° 90° 180° 270° 0° Image-HS	0° 90° 180° 270° 0° Apparent Structures	-0° 3D ATV	-0° 3D OTV	0 counts/m 18 Freq/metre 0 90 Structures - TN	Schmidt Plot - LH - Type Stereoplots	Core Photo

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	



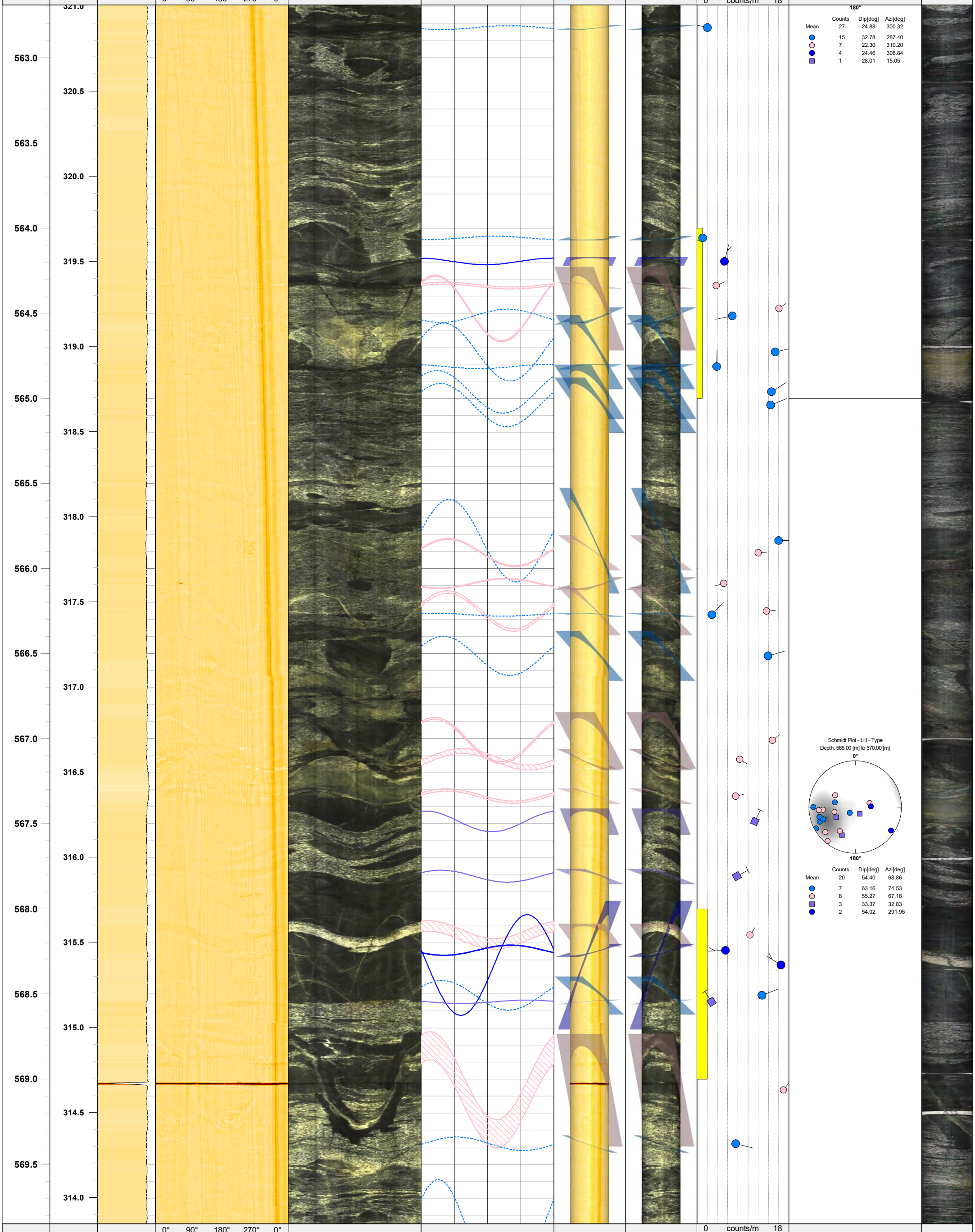
Depth		Image Logs			Structural Data					Core
1m:20m	AHD		500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo

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Depth		Image Logs			Structural Data					Core
Depth 1m:20m	RL m AHD	Reflectivity	Amplitude-HS HPF 500 7000 0° 90° 180° 270° 0°	Image-HS 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 18	Stereoplots Schmidt Plot - LH - Type	Core Photo



1m:20m	AHD		0° 90° 180° 270° 0° 500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 18 Freq/metre 0 90	Schmidt Plot - LH - Type	Core Photo
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	
Depth		Image Logs			Structural Data					Core

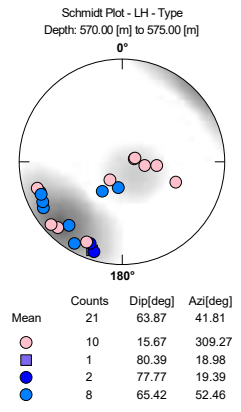
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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	

570.0 313.5
570.5 313.0
571.0 312.5
571.5 312.0
572.0 311.5
572.5 311.0
573.0 310.5
573.5 310.0
574.0 309.5
574.5 309.0
575.0 308.5
575.5 308.0
576.0 307.5
576.5 307.0
577.0



	Counts	Dip[deg]	Azi[deg]
Mean	21	63.87	41.81
	10	15.67	309.27
	1	80.39	18.98
	2	77.77	19.39
	8	65.42	52.46

Depth		Image Logs			Structural Data					Core
1m:20m	AHD		0° 90° 180° 270° 0° 500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 18 Freq/metre 0 90	Schmidt Plot - LH - Type	
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	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	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 – 7000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 – 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	

Depth: 574.00 m to 584.00 m

AHD: 306.5, 306.0, 305.5, 305.0, 304.5, 304.0, 303.5, 303.0, 302.5, 302.0, 301.5, 301.0, 300.5, 300.0

Depth: 577.5, 578.0, 578.5, 579.0, 579.5, 580.0, 580.5, 581.0, 581.5, 582.0, 582.5, 583.0, 583.5, 584.0

Schmidt Plot - LH - Type
Depth: 575.00 [m] to 580.00 [m]

	Counts	Dip[deg]	Azi[deg]
Mean	14	70.19	58.58
	9	69.67	59.91
	5	71.57	55.79

Schmidt Plot - LH - Type
Depth: 580.00 [m] to 585.00 [m]

	Counts	Dip[deg]	Azi[deg]
Mean	25	49.99	297.45
	20	49.35	297.54
	3	83.83	64.70
	1	49.44	314.68
	1	47.05	308.80

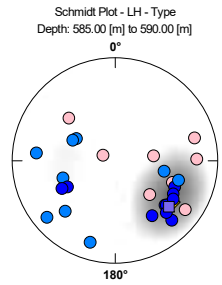
1m:20m AHD Depth RL m Reflectivity Amplitude-HS HPF 500 – 7000 0° 90° 180° 270° 0° Image-HS 0° 90° 180° 270° 0° Apparent Structures 0° 90° 180° 270° 0° 3D ATV -0° 3D OTV -0° 0 counts/m 18 Freq/metre 0 – 90 Structures - TN Schmidt Plot - LH - Type Stereoplots Core Photo
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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 – 7000; 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 – 90; Freq/metre; 0 counts/m 18	Schmidt Plot - LH - Type	

Depth: 584.5 – 591.0 m; RL m: 299.5 – 292.5 AHD



	Counts	Dip[deg]	Azi[deg]
Mean	29	54.79	301.32
	8	49.10	282.53
	10	55.59	312.24
	9	52.05	70.99
	1	58.63	306.33
	1	58.88	310.65

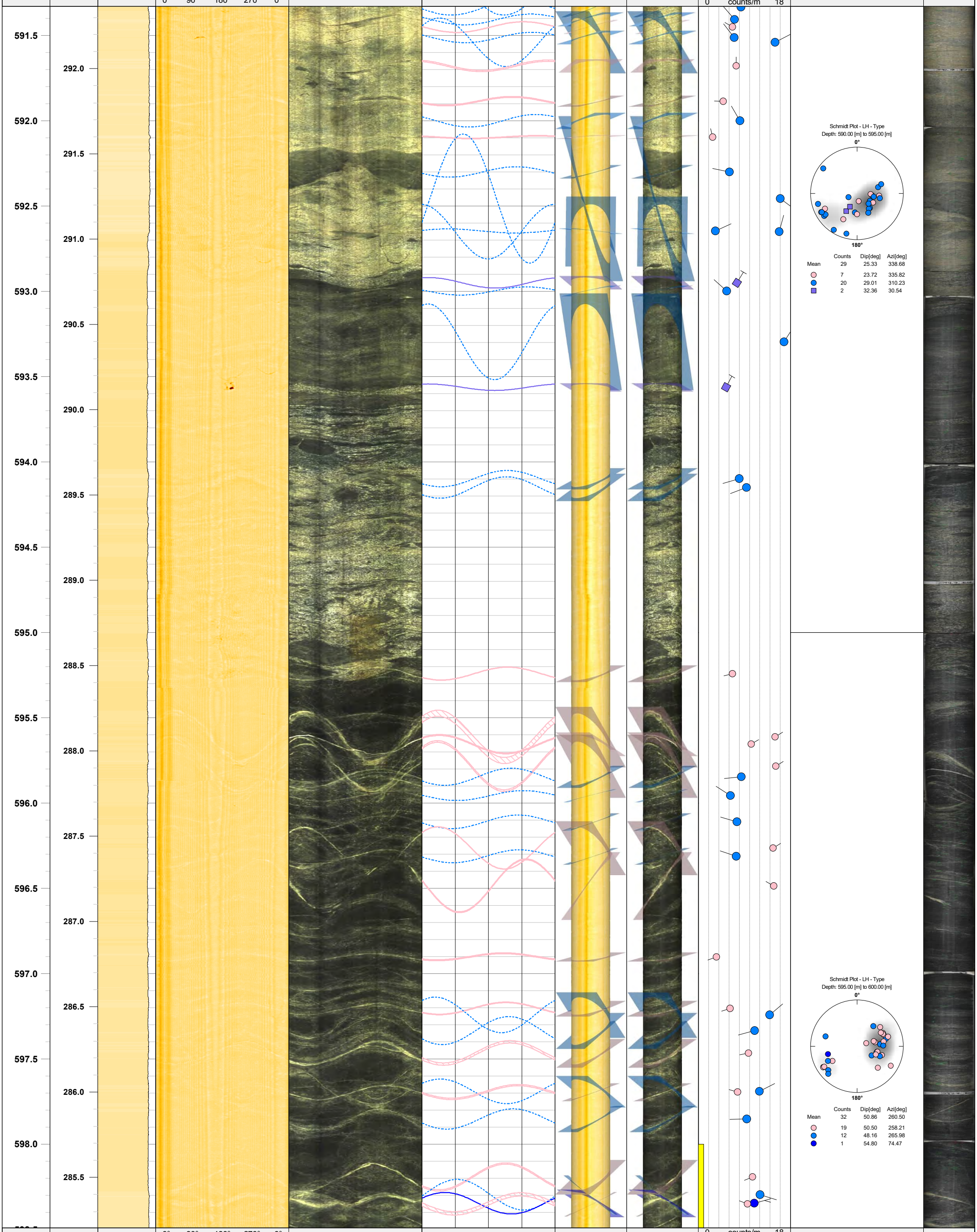
Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo

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Depth		Image Logs			Structural Data					Core
Depth 1m:20m	RL m AHD	Reflectivity	Amplitude-HS HPF 500 7000 0° 90° 180° 270° 0°	Image-HS 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 18	Stereoplots Schmidt Plot - LH - Type	Core Photo



Depth		Image Logs			Structural Data					Core
1m:20m Depth	AHD RL m	Reflectivity	0° 90° 180° 270° 0° 500 7000 Amplitude-HS HPF	0° 90° 180° 270° 0° Image-HS	0° 90° 180° 270° 0° Apparent Structures	-0° 3D ATV	-0° 3D OTV	0 counts/m 18 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	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	

598.5
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605.5

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282.5
282.0
281.5
281.0
280.5
280.0
279.5
279.0
278.5

Schmidt Plot - LH - Type
Depth: 600.00 [m] to 605.00 [m]

0°
180°

	Counts	Dip[deg]	Azi[deg]
Mean	27	63.25	33.87
	12	73.00	21.50
	9	60.34	60.87
	3	49.06	31.34
	3	67.35	12.09

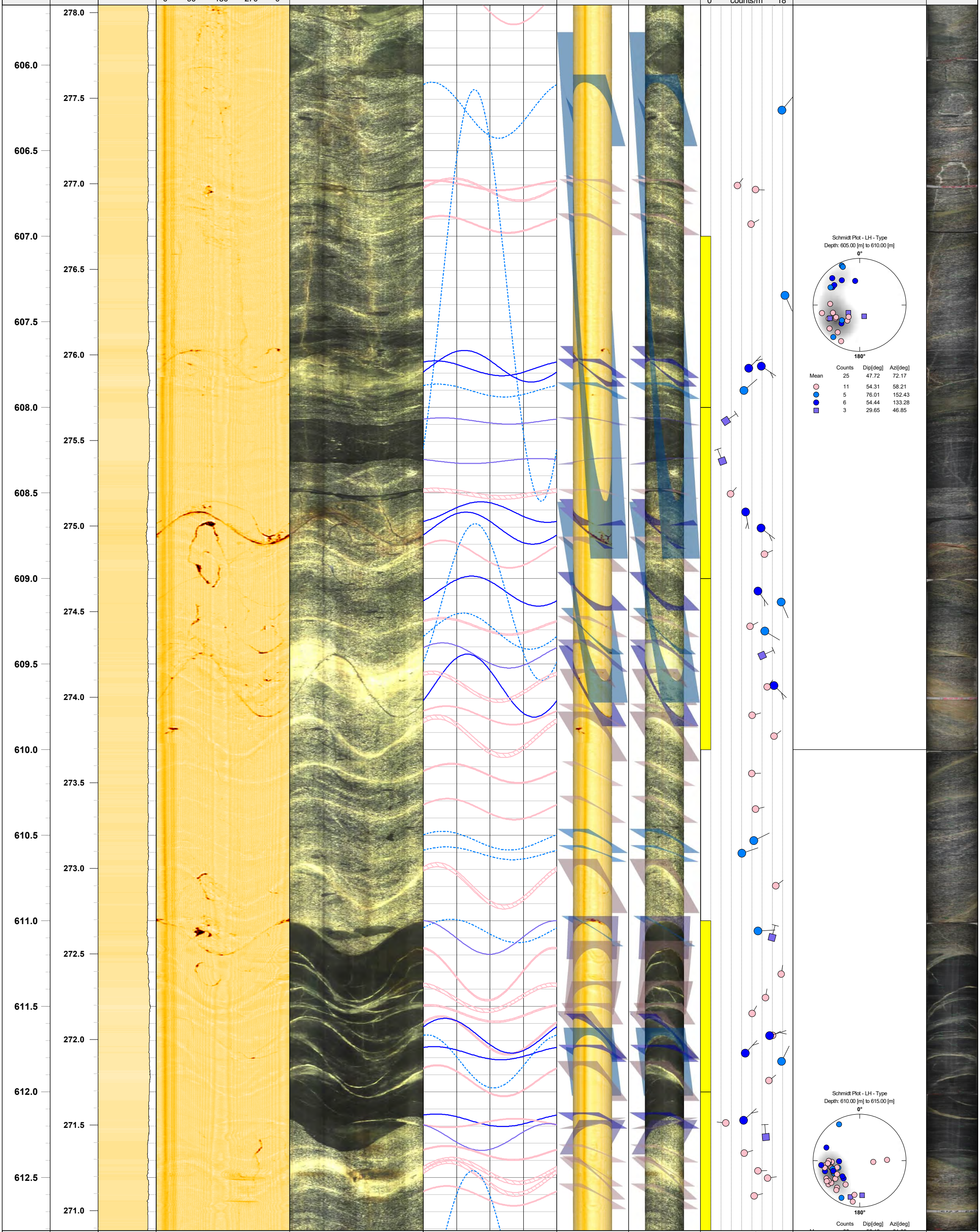
Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 7000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	



Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 7000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	

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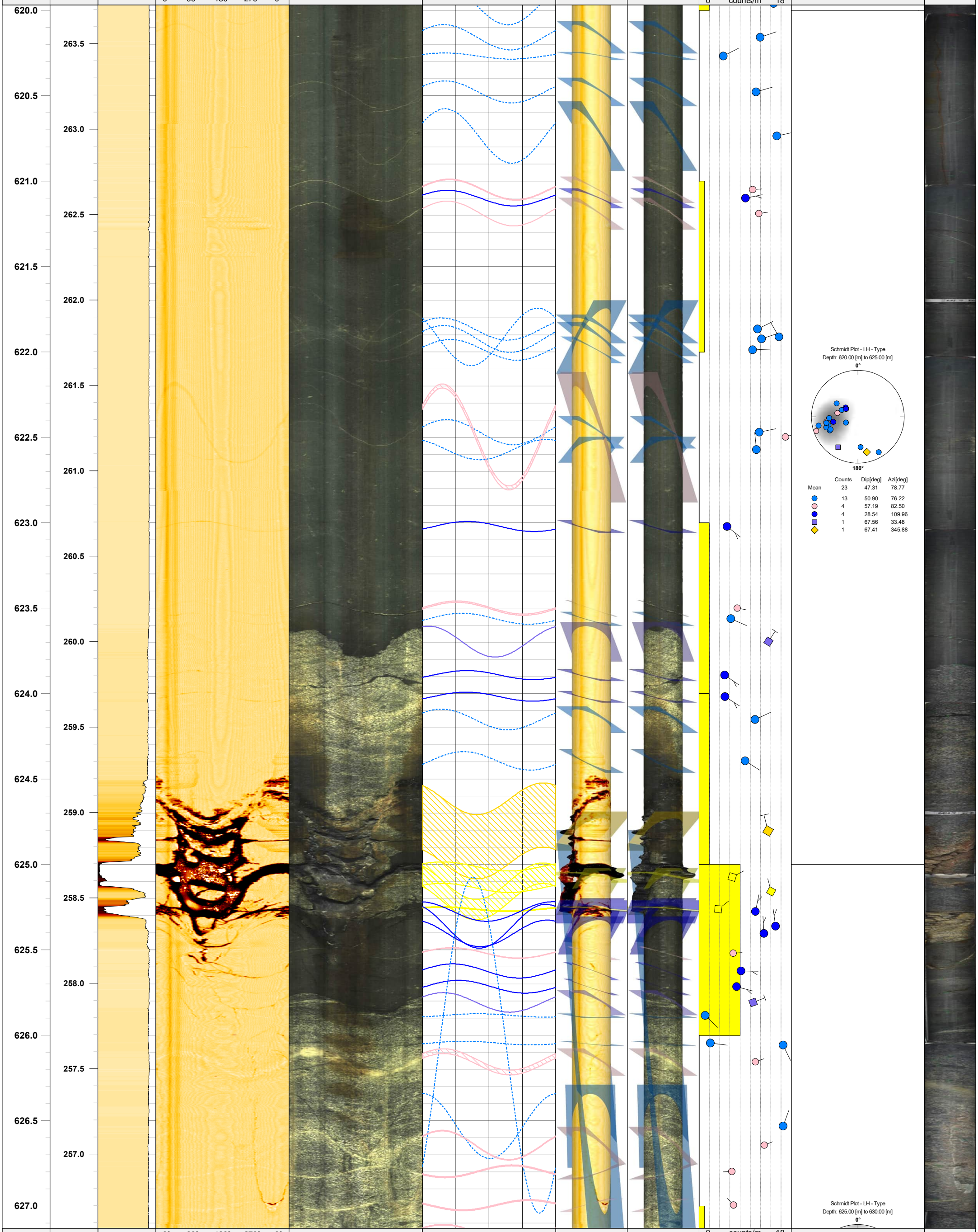
Depth		Image Logs			Structural Data						Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots		Core Photo
1m:20m	AHD		500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type		
613.0	270.5								Mean 38 56.19 61.09		
613.5	270.0								23 59.08 59.77		
614.0	269.5								6 52.19 69.10		
614.5	269.0								2 66.39 5.33		
615.0	268.5								7 52.12 74.37		
615.5	268.0										
616.0	267.5										
616.5	267.0										
617.0	266.5								Schmidt Plot - LH - Type Depth: 615.00 [m] to 620.00 [m]		
617.5	266.0								Counts Dip[deg] Azi[deg]		
618.0	265.5								Mean 25 54.13 48.20		
618.5	265.0								4 77.30 37.91		
619.0	264.5								16 50.23 49.76		
619.5	264.0								4 52.24 50.33		
									1 88.17 357.26		
1m:20m	AHD		0° 90° 180° 270° 0° 500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 18 Freq/metre 0 90	Schmidt Plot - LH - Type		
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	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	Amplitude-HS HPF 500 – 7000 0° 90° 180° 270° 0°	Image-HS 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 18	Stereoplots Schmidt Plot - LH - Type	Core Photo



1m:20m Depth	AHD RL m	Reflectivity	Amplitude-HS HPF 0° 90° 180° 270° 0° 500 – 7000	Image-HS 0° 90° 180° 270° 0°	Apparent Structures 0° 90° 180° 270° 0°	3D ATV -0°	3D OTV -0°	Structures - TN 0 counts/m 18 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	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	

Depth: 627.5 628.0 628.5 629.0 629.5 630.0 630.5 631.0 631.5 632.0 632.5 633.0 633.5 634.0

RL m: 256.5 256.0 255.5 255.0 254.5 254.0 253.5 253.0 252.5 252.0 251.5 251.0 250.5 250.0 249.5

Stereoplots:

	Counts	Dip[deg]	Azi[deg]
Mean	29	26.91	53.84
	3	30.42	28.16
	7	42.86	29.50
	7	32.19	60.32
	1	52.70	68.86
	11	55.95	173.54

Schmidt Plot - LH - Type
Depth: 630.00 [m] to 635.00 [m]

	Counts	Dip[deg]	Azi[deg]
Mean	22	58.67	112.12
	7	55.53	120.60
	7	41.71	86.32
	6	86.35	318.55
	2	56.99	68.60

Depth		Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		0° 90° 180° 270° 0° 500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 18 Freq/metre 0 90	Schmidt Plot - LH - Type	
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	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	Amplitude-HS HPF 500 7000 0° 90° 180° 270° 0°	Image-HS 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 18	Stereoplots Schmidt Plot - LH - Type	Core Photo

634.5 249.0 635.0 248.5 635.5 248.0 636.0 247.5 636.5 247.0 637.0 246.5 637.5 246.0 638.0 245.5 638.5 245.0 639.0 244.5 639.5 244.0 640.0 243.5 640.5 243.0 641.0 242.5

Schmidt Plot - LH - Type
Depth: 635.00 [m] to 640.00 [m]

0°

180°

	Counts	Dip[deg]	Azi[deg]
Mean	23	52.15	62.56
	8	22.60	291.26
	14	61.34	58.60
	1	39.67	165.38

Depth		Reflectivity	Amplitude-HS HPF 0° 90° 180° 270° 0° 500 7000	Image-HS 0° 90° 180° 270° 0°	Apparent Structures 0° 90° 180° 270° 0°	3D ATV -0°	3D OTV -0°	Structures - TN 0 counts/m 18 Freq/metre 0 90	Stereoplots Schmidt Plot - LH - Type	Core Photo
1m:20m Depth	AHD RL m									
Depth		Image Logs			Structural Data					Core

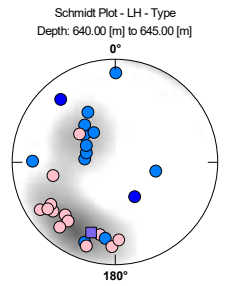
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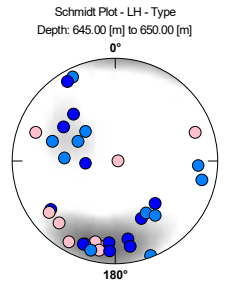
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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 7000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	

641.5 / 242.0 / 642.0 / 241.5 / 642.5 / 241.0 / 643.0 / 240.5 / 643.5 / 240.0 / 644.0 / 239.5 / 644.5 / 239.0 / 645.0 / 238.5 / 645.5 / 238.0 / 646.0 / 237.5 / 646.5 / 237.0 / 647.0 / 236.5 / 647.5 / 236.0 / 648.0 / 235.5 / 648.5



	Counts	Dip[deg]	Azi[deg]
Mean	28	49.51	45.19
	13	63.34	39.53
	12	30.46	129.15
	2	70.79	323.09
	1	62.11	18.87



	Counts	Dip[deg]	Azi[deg]
Mean	33	69.14	2.19
	12	70.31	353.34
	9	73.08	33.53
	12	85.78	138.40

Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	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	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 – 7000; 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 – 90; Freq/metre; 0 counts/m 18	Schmidt Plot - LH - Type	

649.0 / 235.0
649.5 / 234.5
650.0 / 234.0
650.5 / 233.5
651.0 / 233.0
651.5 / 232.5
652.0 / 232.0
652.5 / 231.5
653.0 / 231.0
653.5 / 230.5
654.0 / 230.0
654.5 / 229.5
655.0 / 229.0
655.5 / 228.5
228.0

Schmidt Plot - LH - Type
Depth: 650.00 [m] to 655.00 [m]
0°
180°

	Counts	Dip[deg]	Azi[deg]
Mean	38	50.31	31.65
	20	42.53	58.30
	14	73.29	5.96
	3	63.20	20.52
	1	73.49	9.73

1m:20m | AHD | Reflectivity | Amplitude-HS HPF (500 – 7000; 0° 90° 180° 270° 0°) | Image-HS (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 18) | Schmidt Plot - LH - Type | Core Photo
Depth | RL m | Reflectivity | Amplitude-HS HPF | Image-HS | 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	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots		Core Photo
1m:20m	AHD		500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type		

656.0 / 227.5
656.5 / 227.0
657.0 / 226.5
657.5 / 226.0
658.0 / 225.5
658.5 / 225.0
659.0 / 224.5
659.5 / 224.0
660.0 / 223.5
660.5 / 223.0
661.0 / 222.5
661.5 / 222.0
662.0 / 221.5
662.5 / 221.0

Schmidt Plot - LH - Type
Depth: 655.00 [m] to 660.00 [m]
0°
180°

	Counts	Dip[deg]	Azi[deg]
Mean	39	57.20	57.94
	5	31.36	271.78
	11	50.39	46.85
	9	49.65	260.91
	11	53.55	71.20
	1	77.22	37.13
	2	60.71	274.24

Schmidt Plot - LH - Type
Depth: 660.00 [m] to 665.00 [m]
0°
180°

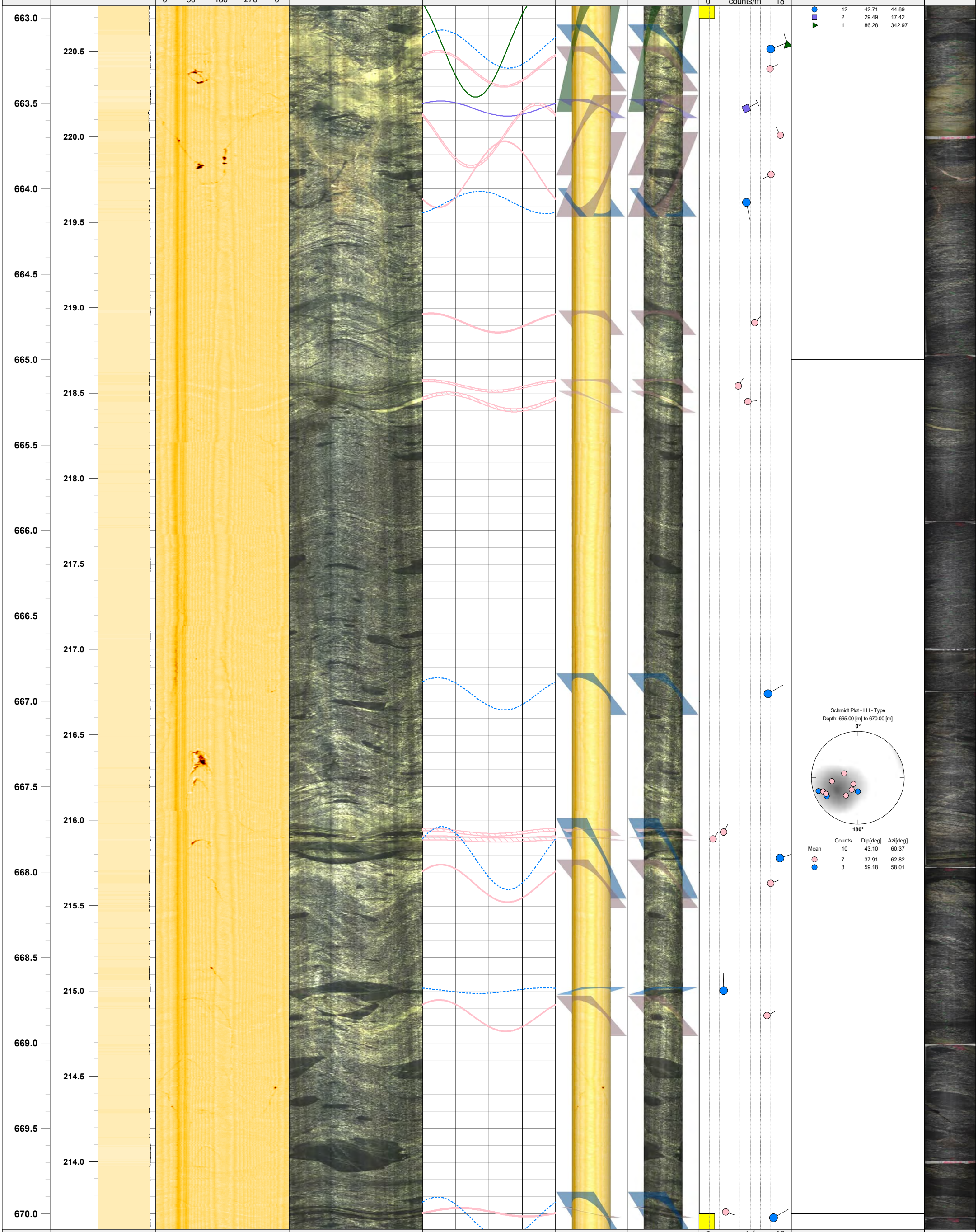
	Counts	Dip[deg]	Azi[deg]
Mean	41	47.79	54.53
	10	45.19	87.16
	16	55.51	49.77

1m:20m | AHD | Reflectivity | 0° 90° 180° 270° 0° 500 7000 Amplitude-HS HPF | 0° 90° 180° 270° 0° Image-HS | 0° 90° 180° 270° 0° Apparent Structures | -0° 3D ATV | -0° 3D OTV | 0 counts/m 18 Freq/metre 0 90 Structures - TN | Schmidt Plot - LH - Type Stereoplots | Core Photo
Depth | RL m | Reflectivity | Amplitude-HS HPF | Image-HS | 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	Amplitude-HS HPF 500 7000 0° 90° 180° 270° 0°	Image-HS 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 18	Stereoplots Schmidt Plot - LH - Type	Core Photo



1m:20m	AHD		0° 90° 180° 270° 0° 500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 18 Freq/metre 0 90	Schmidt Plot - LH - Type	
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	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	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	

Depth: 670.00 [m] to 675.00 [m]

	Counts	Dip[deg]	Azi[deg]
Mean	22	21.07	86.42
	6	45.90	79.51
	3	28.34	44.15
	11	84.63	152.24
	2	32.37	245.88

Depth: 675.00 [m] to 680.00 [m]

Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	

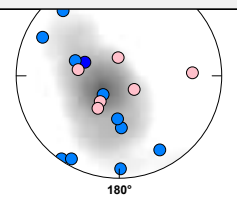
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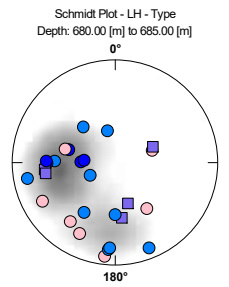
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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 7000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	

677.5 206.0 678.0 205.5 678.5 205.0 679.0 204.5 679.5 204.0 680.0 203.5 680.5 203.0 681.0 202.5 681.5 202.0 682.0 201.5 682.5 201.0 683.0 200.5 683.5 200.0 684.0 199.5





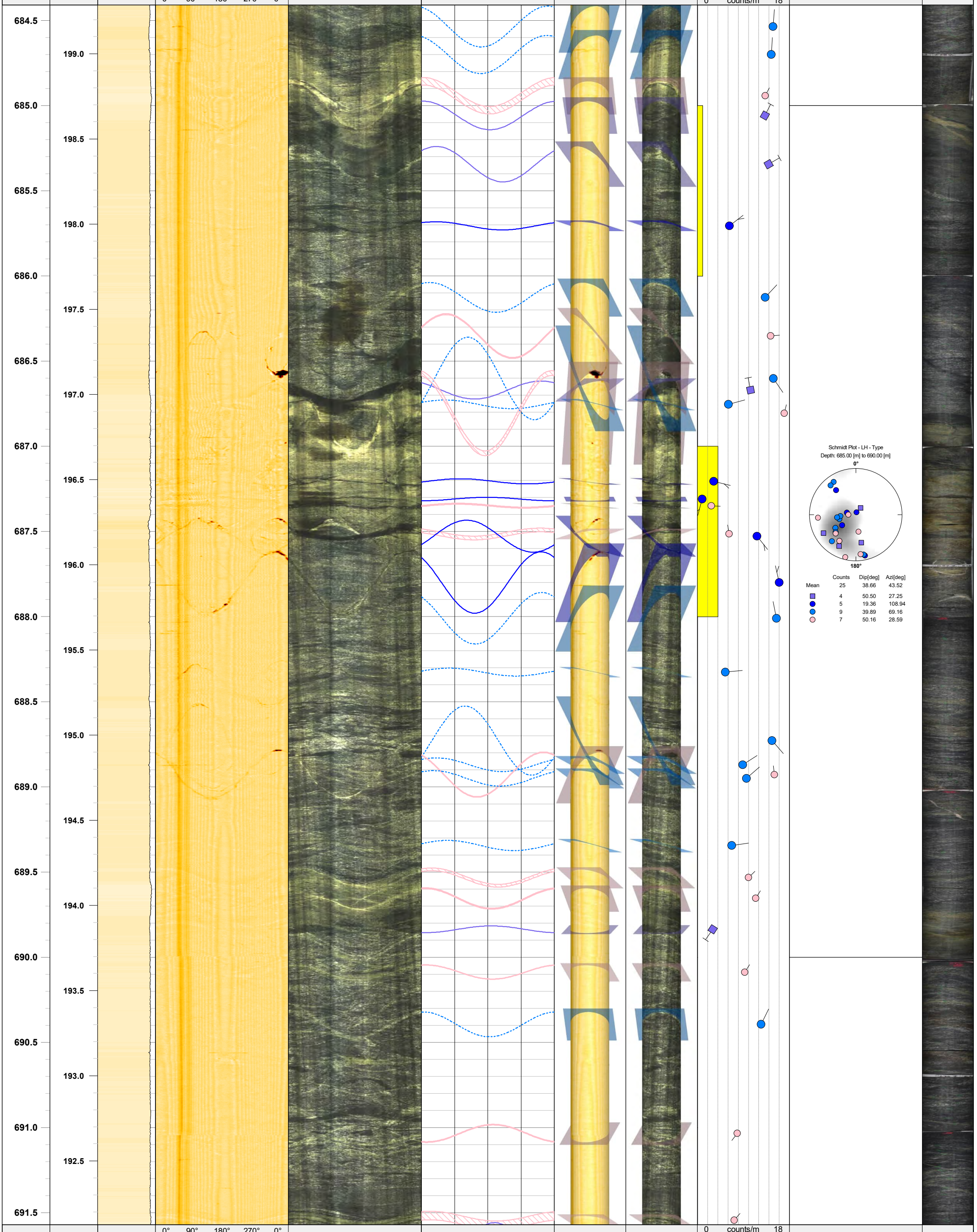
1m:20m	AHD		0° 90° 180° 270° 0° 500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 18 Freq/metre 0 90	Schmidt Plot - LH - Type	
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
Depth		Image Logs			Structural Data					Core

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 – 7000					0 – 90 Freq/metre	Schmidt Plot - LH - Type	
			0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 18		



	Counts	Dip[deg]	Azi[deg]
Mean	25	38.66	43.52
	4	50.50	27.25
	5	19.36	108.94
	9	39.89	69.16
	7	50.16	28.59

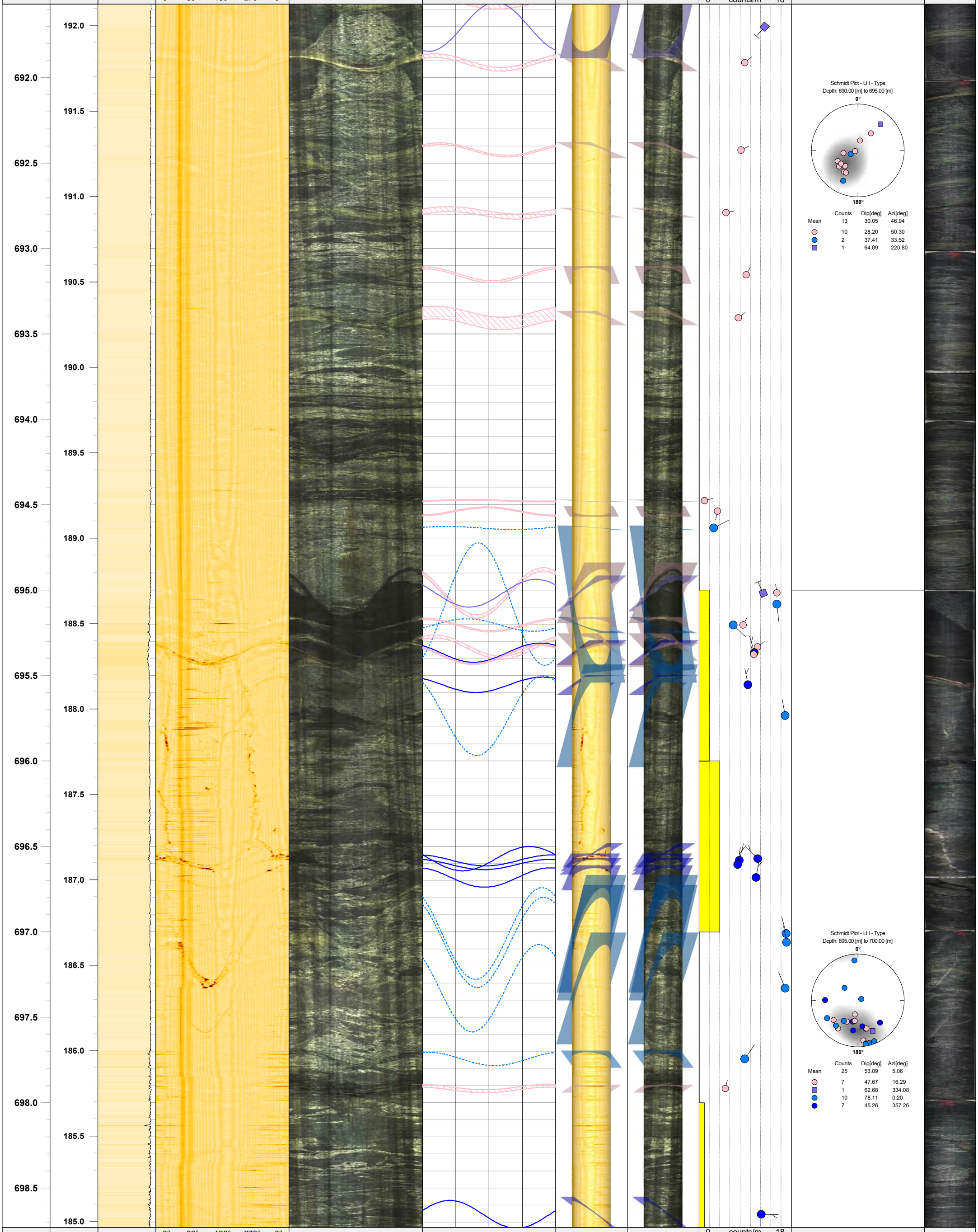
Depth		Image Logs			Structural Data					Core
1m:20m	AHD		0° 90° 180° 270° 0° 500 – 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 18 Freq/metre 0 – 90	Schmidt Plot - LH - Type	
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo

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Depth		Image Logs			Structural Data						Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots		Core Photo
1m:20m	AHD		500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type		



Depth		Image Logs			Structural Data						Core
1m:20m	AHD		500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type		
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots		Core Photo

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Depth		Image Logs			Structural Data					Core
Depth 1m:20m	RL m AHD	Reflectivity	Amplitude-HS HPF 500 7000 0° 90° 180° 270° 0°	Image-HS 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 18	Stereoplots Schmidt Plot - LH - Type	Core Photo

699.0 — 184.5 — 699.5 — 184.0 — 700.0 — 183.5 — 700.5 — 183.0 — 701.0 — 182.5 — 701.5 — 182.0 — 702.0 — 181.5 — 702.5 — 181.0 — 703.0 — 180.5 — 703.5 — 180.0 — 704.0 — 179.5 — 704.5 — 179.0 — 705.0 — 178.5 — 705.5 — 178.0

Schmidt Plot - LH - Type
Depth: 700.00 [m] to 705.00 [m]

0° / 180°

	Counts	Dip[deg]	Azi[deg]
Mean	16	23.34	63.64
	3	21.34	162.21
	4	34.21	40.54
	7	43.81	66.79
	2	36.17	279.85

1m:20m Depth | AHD RL m | Reflectivity | Amplitude-HS HPF 500 7000 0° 90° 180° 270° 0° | Image-HS 0° 90° 180° 270° 0° | Apparent Structures 0° 90° 180° 270° 0° | 3D ATV -0° | 3D OTV -0° | Structures - TN 0 counts/m 18 Freq/metre 0 90 | Schmidt Plot - LH - Type 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	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	

Schmidt Plot - LH - Type
Depth: 705.00 [m] to 710.00 [m]

	Counts	Dip[deg]	Azi[deg]
Mean	19	58.91	84.02
	9	71.41	82.50
	3	25.07	128.95
	2	34.00	318.52
	4	38.29	29.62
	1	65.01	100.84

Schmidt Plot - LH - Type
Depth: 710.00 [m] to 715.00 [m]

	Counts	Dip[deg]	Azi[deg]
Mean	13	32.70	21.07
	9	48.09	41.96
	1	17.29	214.15
	3	31.38	343.45

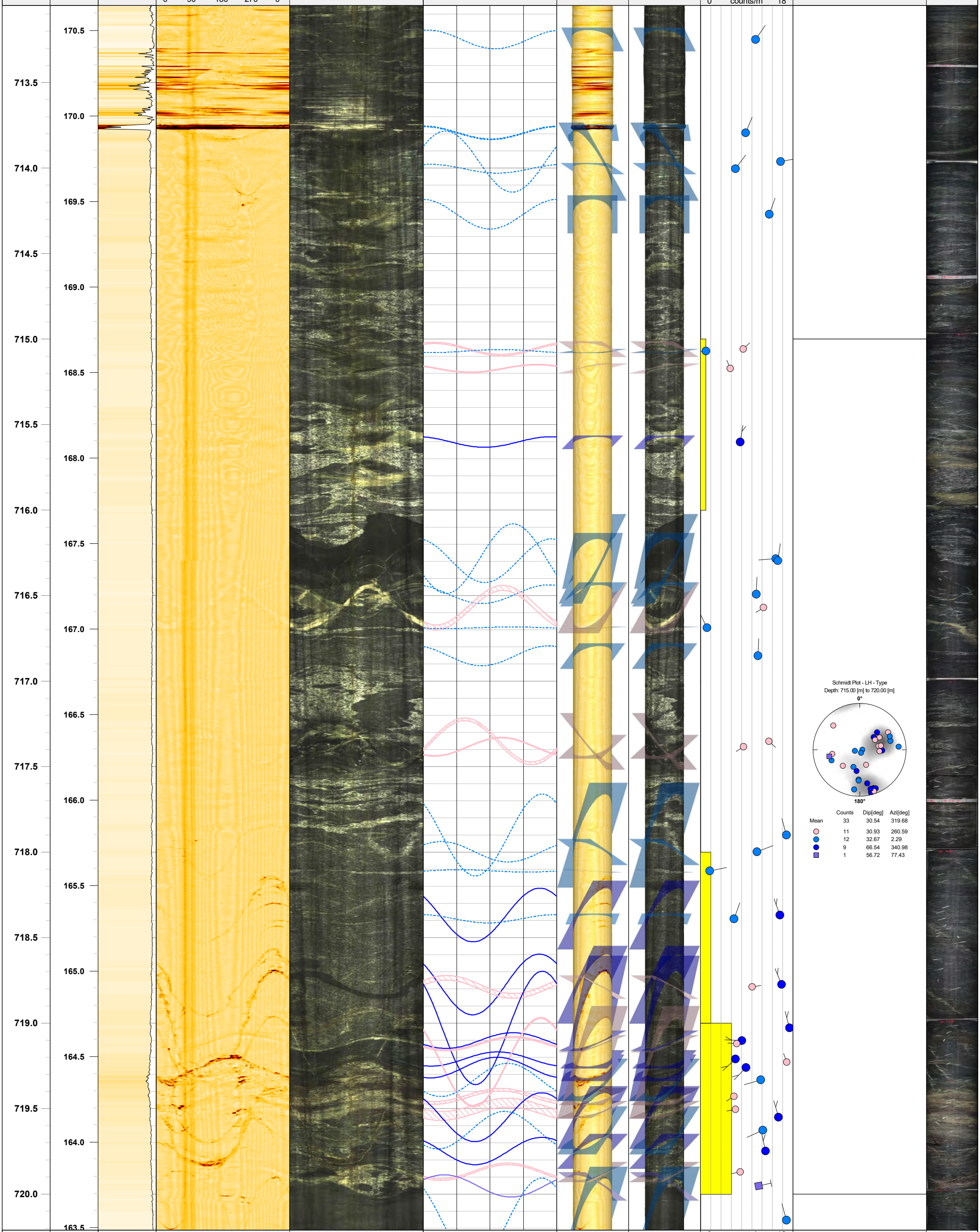
1m:20m	AHD		0° 90° 180° 270° 0° 500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 18 Freq/metre 0 90	Schmidt Plot - LH - Type	
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
Depth		Image Logs			Structural Data					Core

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	



Schmidt Plot - LH - Type
Depth: 715.00 [m] to 720.00 [m]

	Counts	Dip[deg]	Azi[deg]
Mean	33	30.54	319.68
	11	30.93	260.59
	12	32.67	2.29
	9	66.54	340.98
	1	56.72	77.43

Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	

720.5 / 163.0
721.0 / 162.5
721.5 / 162.0
722.0 / 161.5
722.5 / 161.0
723.0 / 160.5
723.5 / 160.0
724.0 / 159.5
724.5 / 159.0
725.0 / 158.5
725.5 / 158.0
726.0 / 157.5
726.5 / 157.0
727.0 / 156.5

Schmidt Plot - LH - Type
Depth: 720.00 [m] to 725.00 [m]
0°
180°

	Counts	Dip[deg]	Azi[deg]
Mean	34	31.81	304.00
	11	88.49	47.73
	11	26.06	325.11
	6	29.38	304.69
	6	87.79	56.58

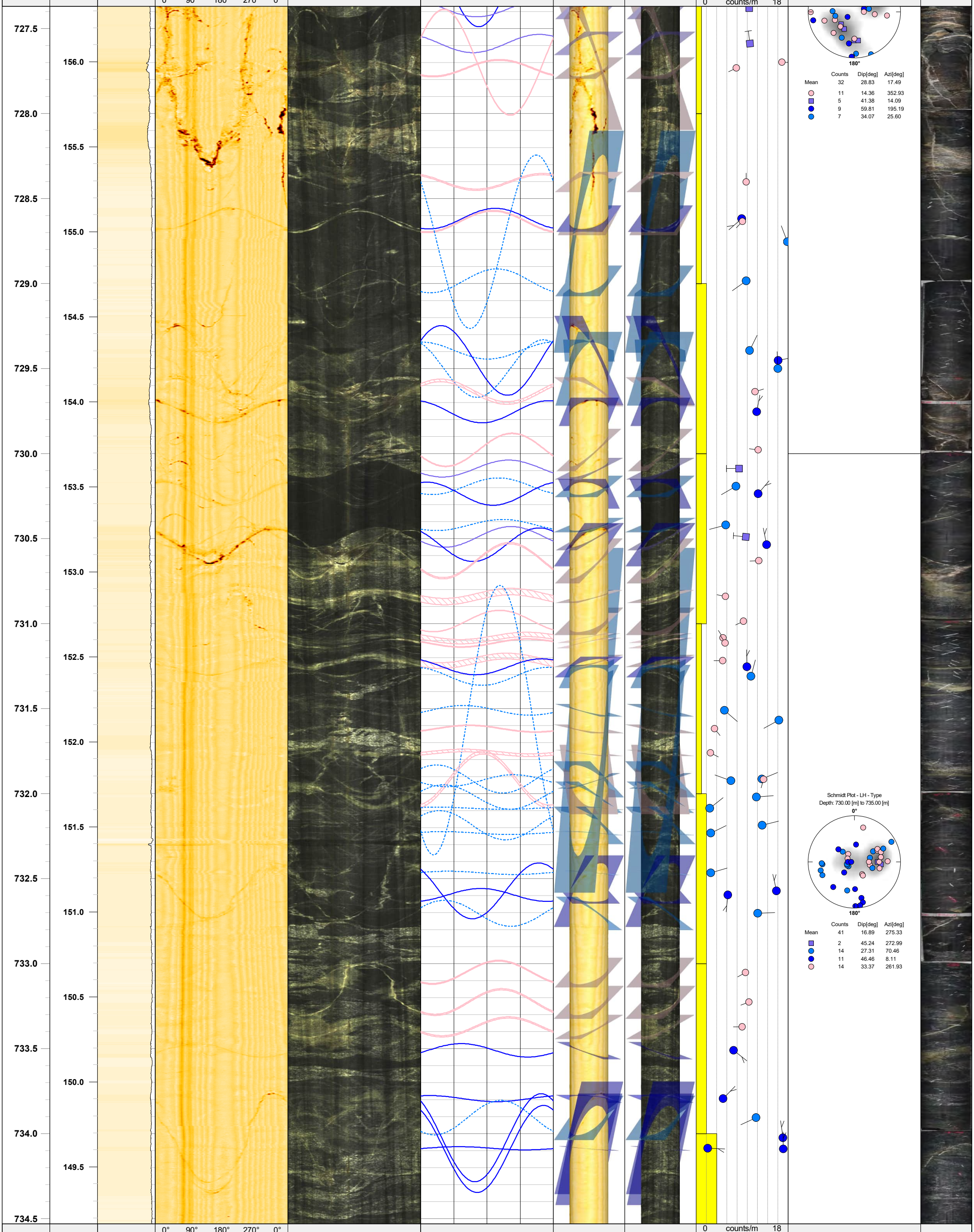
Schmidt Plot - LH - Type
Depth: 725.00 [m] to 730.00 [m]
0°

1m:20m AHD Depth RL m Reflectivity 500 7000 0° 90° 180° 270° 0° Amplitude-HS HPF 0° 90° 180° 270° 0° Image-HS 0° 90° 180° 270° 0° Apparent Structures -0° 3D ATV -0° 3D OTV 0 counts/m 18 Freq/metre 0 90 Structures - TN Schmidt Plot - LH - Type 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	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 – 7000; 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 – 90; Freq/metre; 0 counts/m 18	Schmidt Plot - LH - Type	



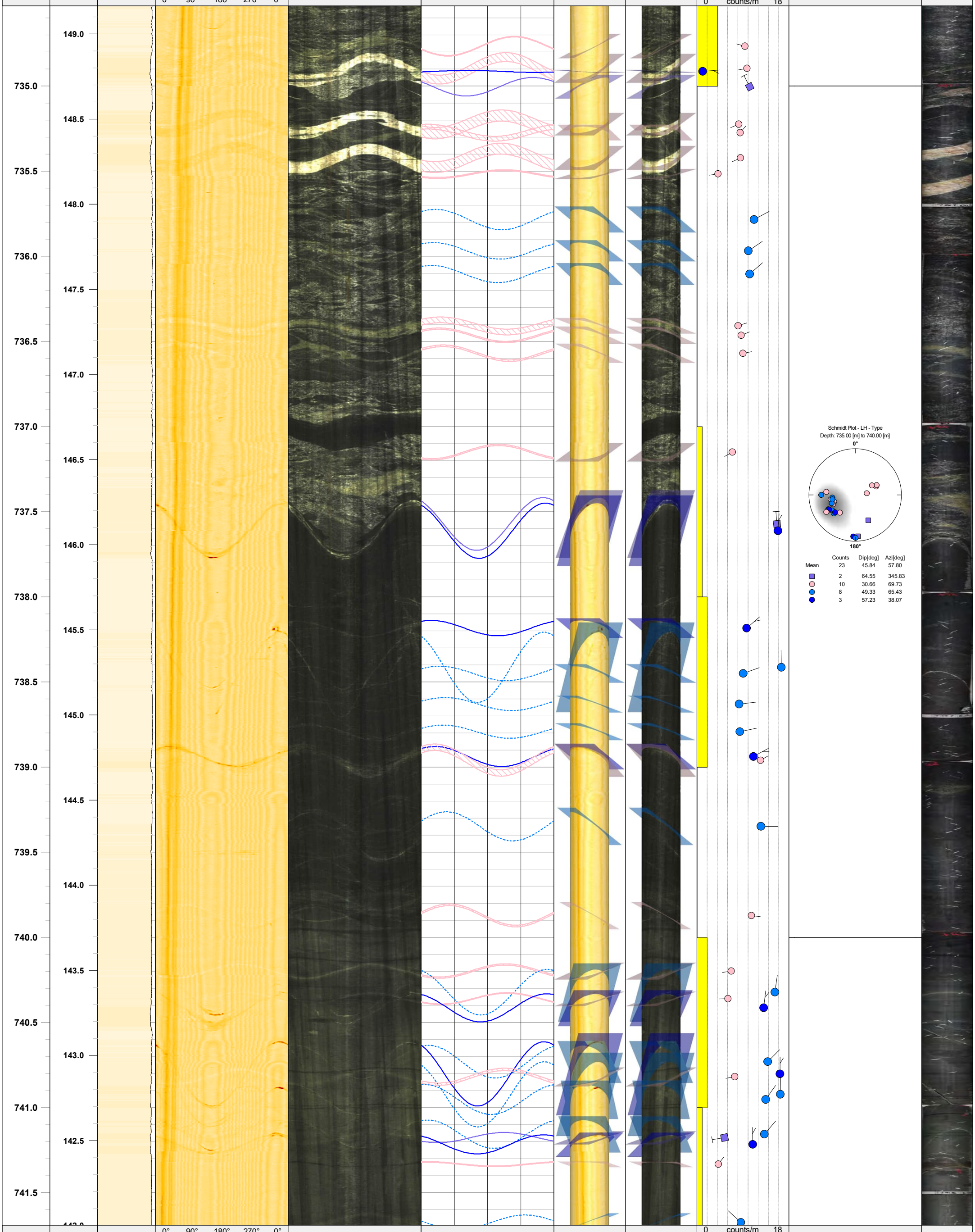
1m:20m	AHD		0° 90° 180° 270° 0°; 500 – 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 18; Freq/metre; 0 – 90	Schmidt Plot - LH - Type	
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
Depth		Image Logs			Structural Data					Core

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Depth		Image Logs			Structural Data						Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots		Core Photo
1m:20m	AHD		500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type		



Schmidt Plot - LH - Type
Depth: 735.00 [m] to 740.00 [m]

0°

180°

	Counts	Dip[deg]	Azi[deg]
Mean	23	45.84	57.80
	2	64.55	345.83
	10	30.66	69.73
	8	49.33	65.43
	3	57.23	38.07

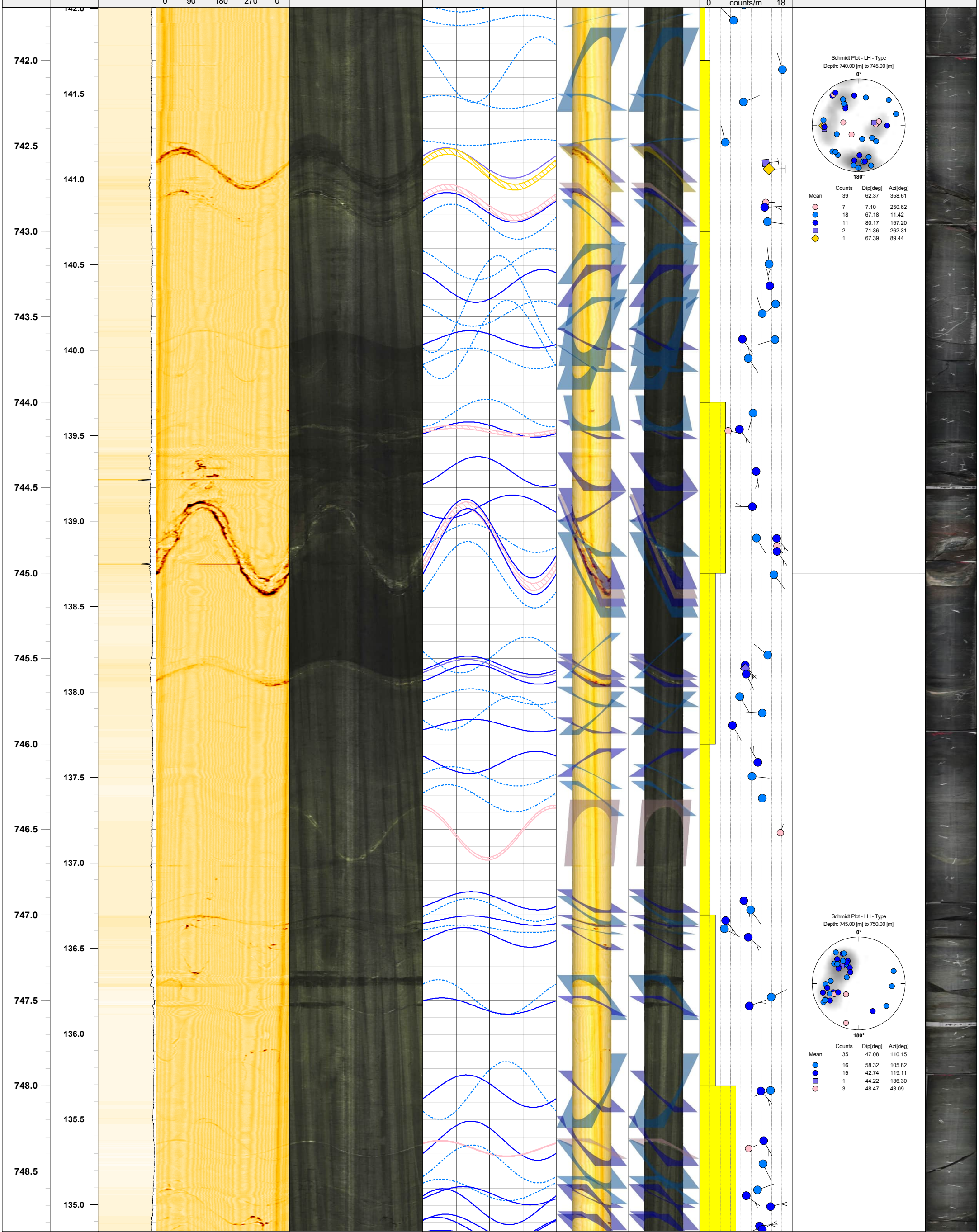
Depth		Image Logs			Structural Data						Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots		Core Photo
1m:20m	AHD		500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type		

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 7000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	



1m:20m	AHD		0° 90° 180° 270° 0° 500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 18 Freq/metre 0 90	Schmidt Plot - LH - Type	
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	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	Amplitude-HS HPF 500 – 7000 0° 90° 180° 270° 0°	Image-HS 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 18	Stereoplots Schmidt Plot - LH - Type	Core Photo
749.0	134.5									
749.5	134.0									
750.0	133.5									
750.5	133.0									
751.0	132.5									
751.5	132.0									
752.0	131.5									
752.5	131.0									
753.0	130.5									
753.5	130.0									
754.0	129.5									
754.5	129.0									
755.0	128.5									
755.5	128.0									
756.0										

Schmidt Plot - LH - Type
Depth: 750.00 [m] to 755.00 [m]

0°

180°

	Counts	Dip[deg]	Azi[deg]
Mean	27	25.91	107.18
	12	17.32	103.59
	8	36.90	115.23
	7	20.33	104.71

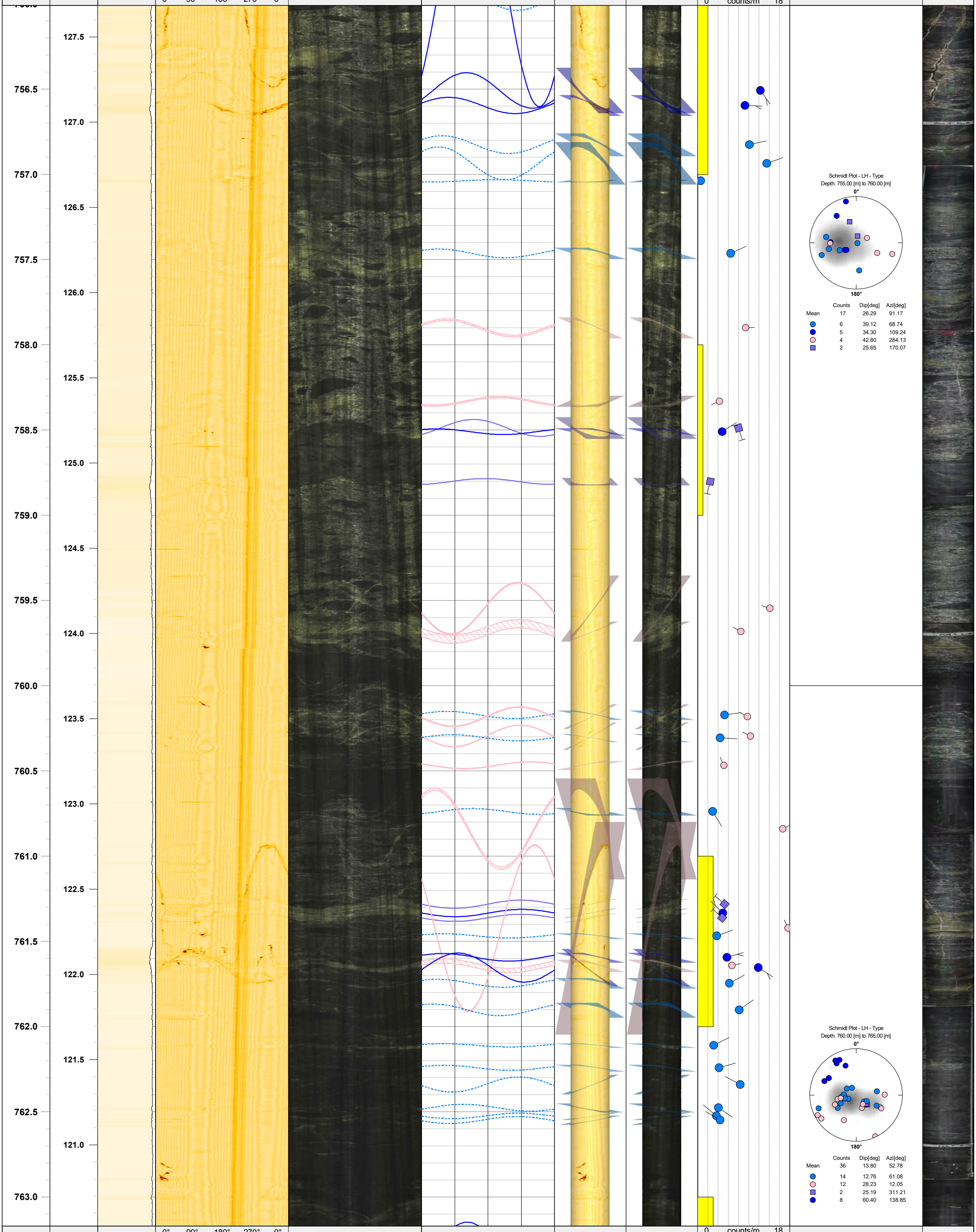
Depth		Image Logs			Structural Data					Core
1m:20m Depth	AHD RL m	Reflectivity	0° 90° 180° 270° 0° 500 – 7000 Amplitude-HS HPF	0° 90° 180° 270° 0° Image-HS	0° 90° 180° 270° 0° Apparent Structures	-0° 3D ATV	-0° 3D OTV	0 counts/m 18 Freq/metre 0 – 90 Structures - TN	Schmidt Plot - LH - Type Stereoplots	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	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 – 7000; 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 – 90; Freq/metre; 0 counts/m 18	Schmidt Plot - LH - Type	



1m:20m	AHD		0° 90° 180° 270° 0°; 500 – 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 18; Freq/metre; 0 – 90	Schmidt Plot - LH - Type	
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	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	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 – 7000; 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 – 90; Freq/metre; 0 counts/m 18	Schmidt Plot - LH - Type	

763.5 / 120.5
764.0 / 120.0
764.5 / 119.5
765.0 / 119.0
765.5 / 118.5
766.0 / 118.0
766.5 / 117.5
767.0 / 117.0
767.5 / 116.5
768.0 / 116.0
768.5 / 115.5
769.0 / 115.0
769.5 / 114.5
770.0 / 114.0
113.5

Schmidt Plot - LH - Type
Depth: 765.00 [m] to 770.00 [m]

0°

180°

	Counts	Dip[deg]	Azi[deg]
Mean	34	19.40	338.25
	12	28.73	48.39
	4	33.61	309.34
	16	84.06	255.92
	2	21.18	320.81

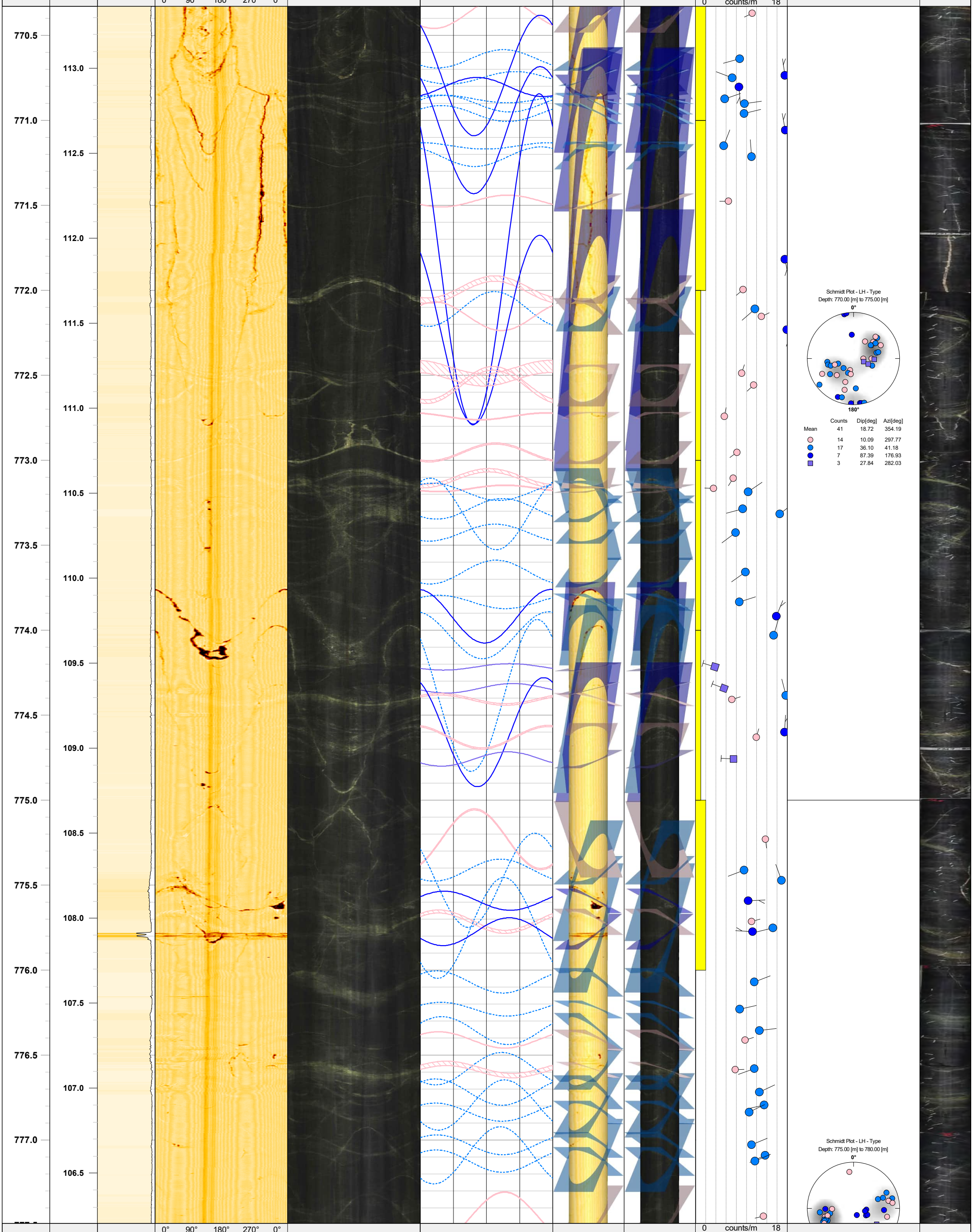
1m:20m	AHD		0° 90° 180° 270° 0°; 500 – 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 18; Freq/metre; 0 – 90	Schmidt Plot - LH - Type	
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
Depth		Image Logs			Structural Data					Core

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Depth		Image Logs			Structural Data						Core
Depth 1m:20m	RL m AHD	Reflectivity	Amplitude-HS HPF 500 – 7000 0° 90° 180° 270° 0°	Image-HS 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 18	Stereoplots Schmidt Plot - LH - Type		Core Photo



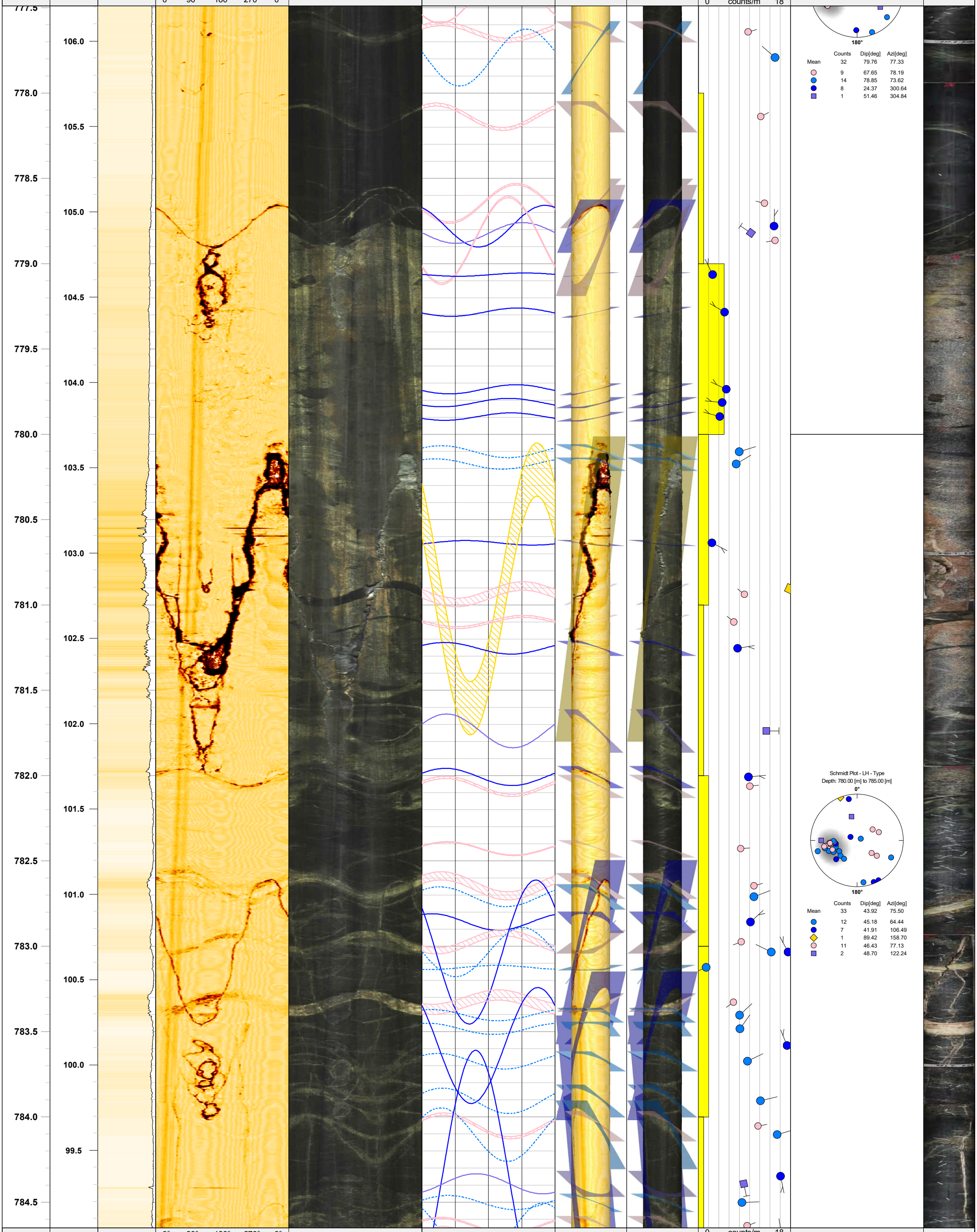
1m:20m	AHD		0° 90° 180° 270° 0° 500 – 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 18 Freq/metre 0 – 90 Structures - TN	Schmidt Plot - LH - Type	Core Photo
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV		Stereoplots	
Depth		Image Logs			Structural Data					Core

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Depth		Image Logs			Structural Data						Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots		Core Photo
1m:20m	AHD		500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type		



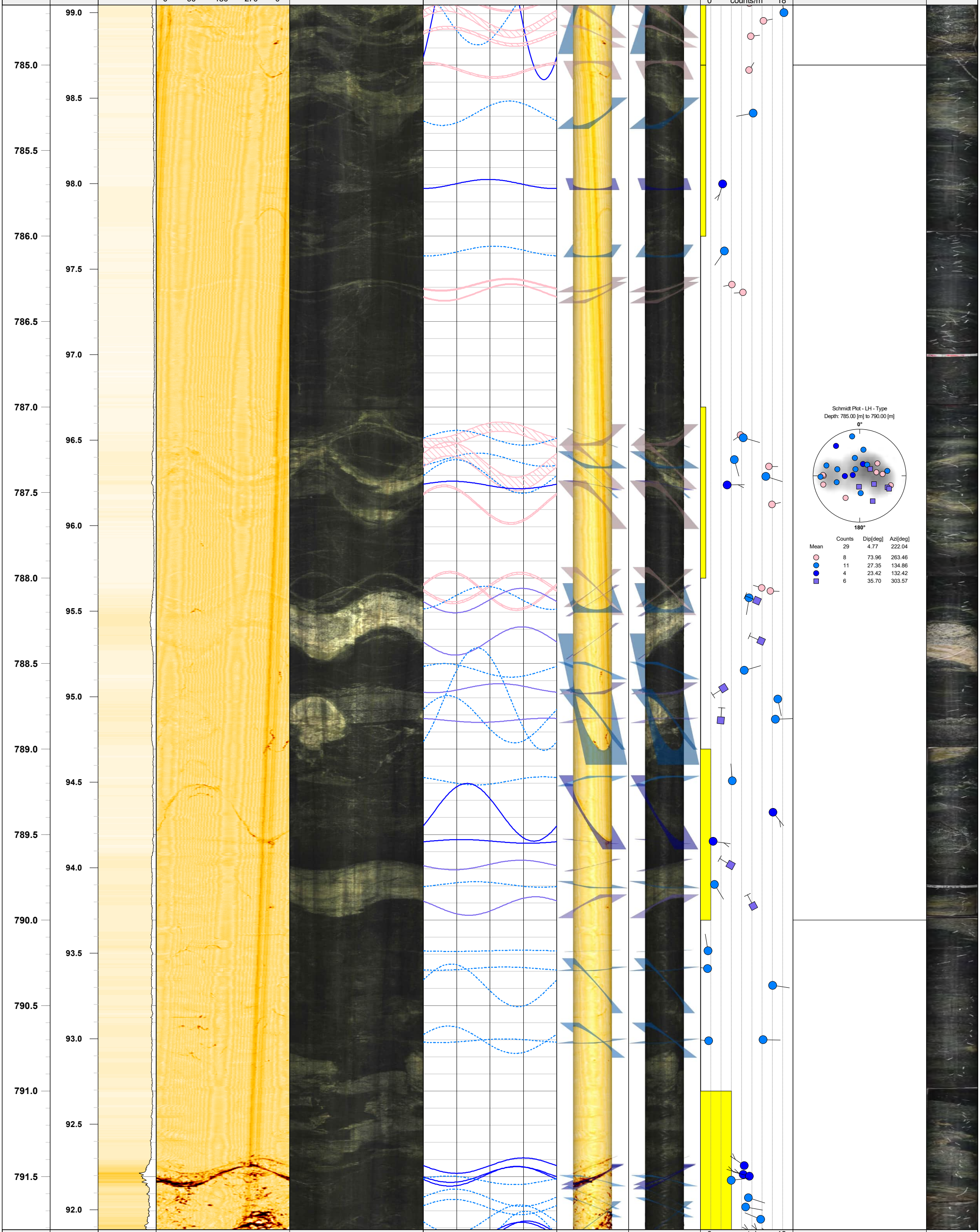
Depth		Image Logs			Structural Data						Core
1m:20m	AHD		0° 90° 180° 270° 0° 500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 18 Freq/metre 0 90	Schmidt Plot - LH - Type		
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots		Core Photo

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	



Schmidt Plot - LH - Type
Depth: 785.00 [m] to 790.00 [m]

0°

180°

	Counts	Dip[deg]	Azi[deg]
Mean	29	4.77	222.04
	8	73.96	263.46
	11	27.35	134.86
	4	23.42	132.42
	6	35.70	303.57

Depth		Image Logs			Structural Data					Core
1m:20m	AHD	Reflectivity	0° 90° 180° 270° 0° 500 7000 Amplitude-HS HPF	0° 90° 180° 270° 0° Image-HS	0° 90° 180° 270° 0° Apparent Structures	-0° 3D ATV	-0° 3D OTV	0 counts/m 18 Freq/metre 0 90 Structures - TN	Schmidt Plot - LH - Type Stereoplots	Core Photo
Depth	RL m									

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 – 7000; 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 – 90; Freq/metre; 0 counts/m 18	Schmidt Plot - LH - Type	

792.0 / 91.5 · 792.5 / 91.0 · 793.0 / 90.5 · 793.5 / 90.0 · 794.0 / 89.5 · 794.5 / 89.0 · 795.0 / 88.5 · 795.5 / 88.0 · 796.0 / 87.5 · 796.5 / 87.0 · 797.0 / 86.5 · 797.5 / 86.0 · 798.0 / 85.5 · 798.5 / 85.0

Schmidt Plot - LH - Type
Depth: 790.00 [m] to 795.00 [m]
0° / 180°

	Counts	Dip[deg]	Azi[deg]
Mean	42	40.36	301.99
	22	46.12	302.71
	13	39.81	311.46
	7	42.89	262.77

Schmidt Plot - LH - Type
Depth: 795.00 [m] to 800.00 [m]
0° / 180°

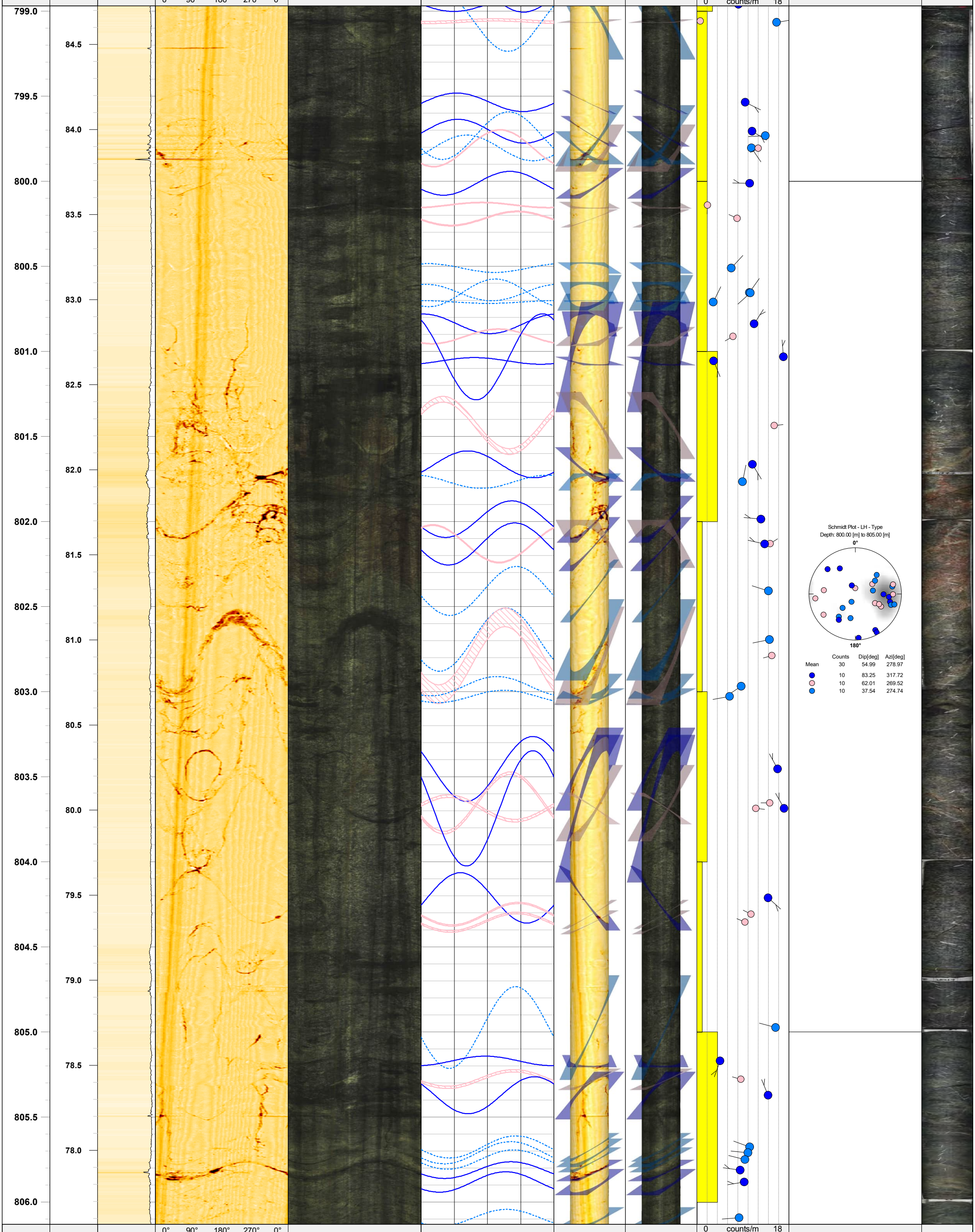
	Counts	Dip[deg]	Azi[deg]
Mean	30	60.22	296.80
	16	81.98	303.30
	10	9.75	328.76
	4	36.60	271.58

1m:20m AHD Reflectivity 0° 90° 180° 270° 0° 500 – 7000 Amplitude-HS HPF 0° 90° 180° 270° 0° Image-HS 0° 90° 180° 270° 0° Apparent Structures -0° 3D ATV -0° 3D OTV 0 counts/m 18 Freq/metre 0 – 90 Structures - TN Schmidt Plot - LH - Type 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	Amplitude-HS HPF 500 – 7000 0° 90° 180° 270° 0°	Image-HS 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 18	Stereoplots Schmidt Plot - LH - Type	Core Photo



Schmidt Plot - LH - Type
Depth: 800.00 [m] to 805.00 [m]

0°

180°

	Counts	Dip[deg]	Azi[deg]
Mean	30	54.99	278.97
	10	83.25	317.72
	10	62.01	269.52
	10	37.54	274.74

Depth		Image Logs			Structural Data					Core
1m:20m Depth	AHD RL m	Reflectivity	0° 90° 180° 270° 0° 500 – 7000 Amplitude-HS HPF	0° 90° 180° 270° 0° Image-HS	0° 90° 180° 270° 0° Apparent Structures	-0° 3D ATV	-0° 3D OTV	0 counts/m 18 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	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 – 7000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 – 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	

806.5 / 77.5
807.0 / 77.0
807.5 / 76.5
808.0 / 76.0
808.5 / 75.5
809.0 / 75.0
809.5 / 74.5
810.0 / 74.0
810.5 / 73.5
811.0 / 73.0
811.5 / 72.5
812.0 / 72.0
812.5 / 71.5
813.0 / 71.0
70.5

Schmidt Plot - LH - Type
Depth: 805.00 [m] to 810.00 [m]
0° 180°

	Counts	Dip[deg]	Azi[deg]
Mean	22	37.59	289.02
	5	25.76	278.22
	10	19.73	40.14
	7	47.91	286.71

Schmidt Plot - LH - Type
Depth: 810.00 [m] to 815.00 [m]
0° 180°

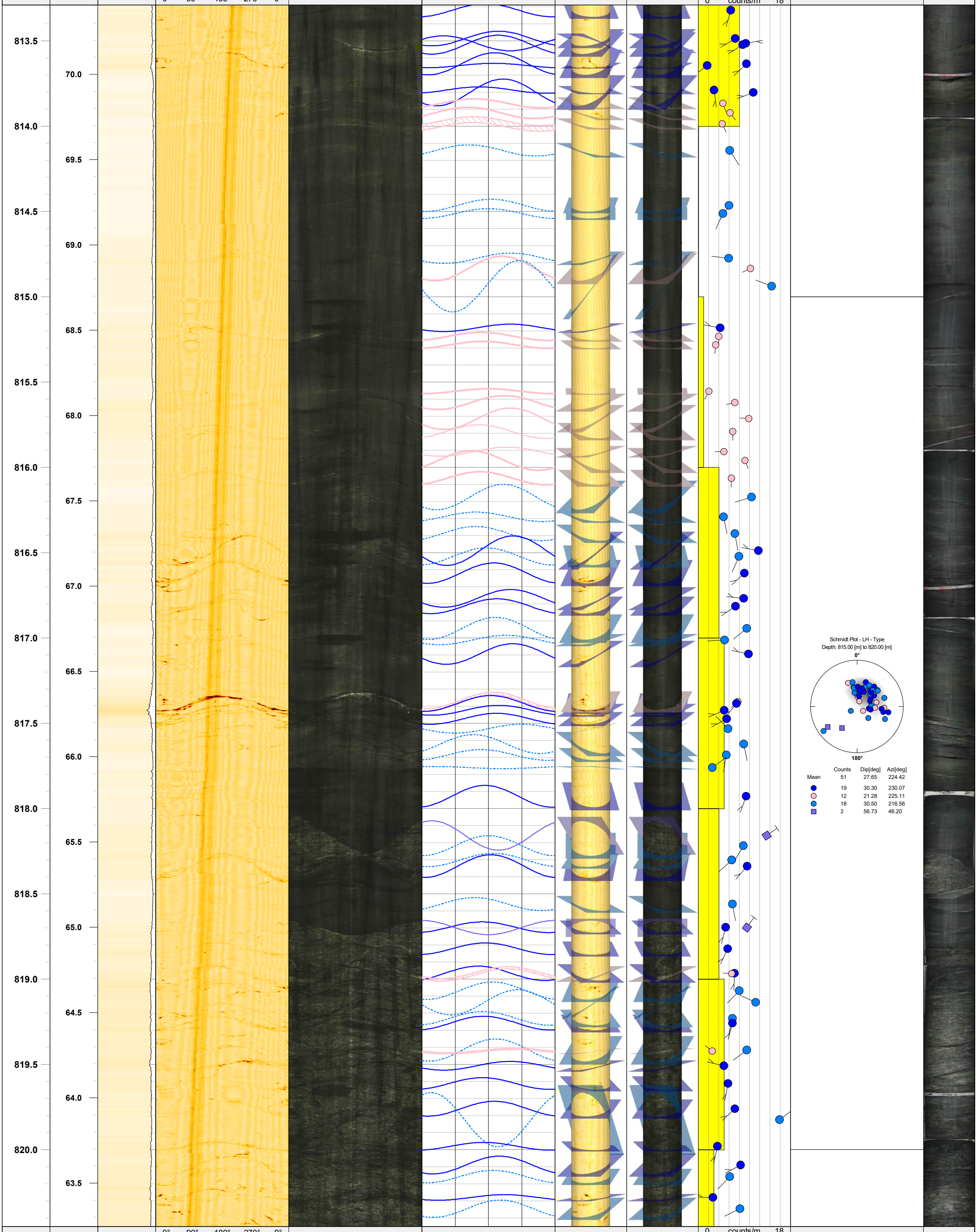
	Counts	Dip[deg]	Azi[deg]
Mean	41	26.56	227.95
	5	21.51	149.55
	9	17.78	235.27
	1	59.82	65.07
	25	35.32	233.27
	1	25.64	266.49

1m:20m | AHD | Reflectivity | 500 – 7000 Amplitude-HS HPF | 0° 90° 180° 270° 0° Image-HS | 0° 90° 180° 270° 0° Apparent Structures | -0° 3D ATV | -0° 3D OTV | 0 counts/m 18 Freq/metre 0 – 90 Structures - TN | Schmidt Plot - LH - Type Stereoplots | Core Photo
Depth | RL m | Reflectivity | Amplitude-HS HPF | Image-HS | 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	Amplitude-HS HPF 500 7000 0° 90° 180° 270° 0°	Image-HS 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 18	Stereoplots Schmidt Plot - LH - Type	Core Photo



	Counts	Dip[deg]	Azi[deg]
Mean	51	27.65	224.42
	19	30.30	230.07
	12	21.28	225.11
	18	30.50	216.56
	2	56.73	46.20

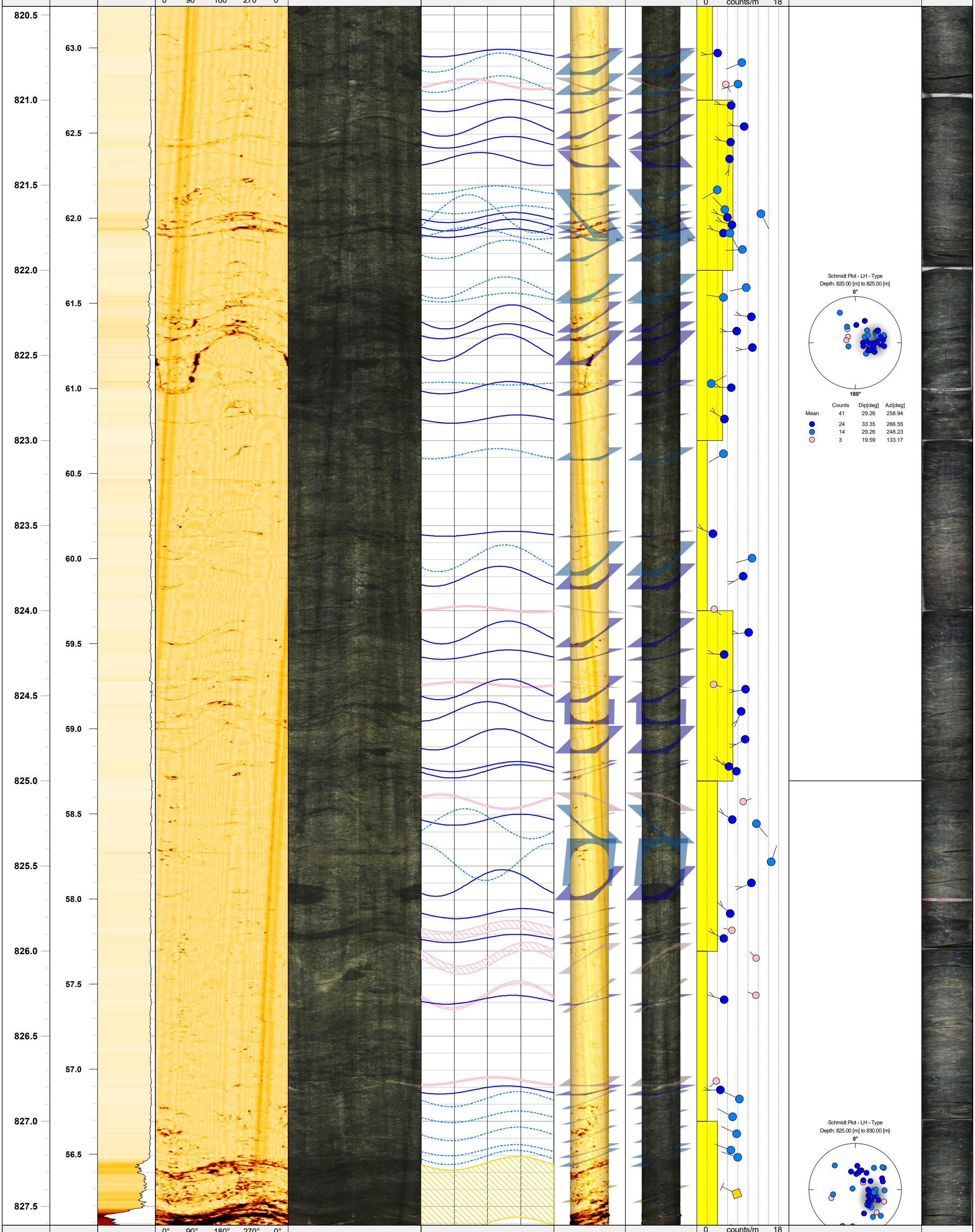
Depth		Image Logs			Structural Data					Core
Depth 1m:20m	RL m AHD	Reflectivity	Amplitude-HS HPF 0° 90° 180° 270° 0° 500 7000	Image-HS 0° 90° 180° 270° 0°	Apparent Structures 0° 90° 180° 270° 0°	3D ATV -0°	3D OTV -0°	Structures - TN Freq/metre 0 counts/m 18 0 90	Stereoplots Schmidt Plot - LH - Type	Core Photo

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 7000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	



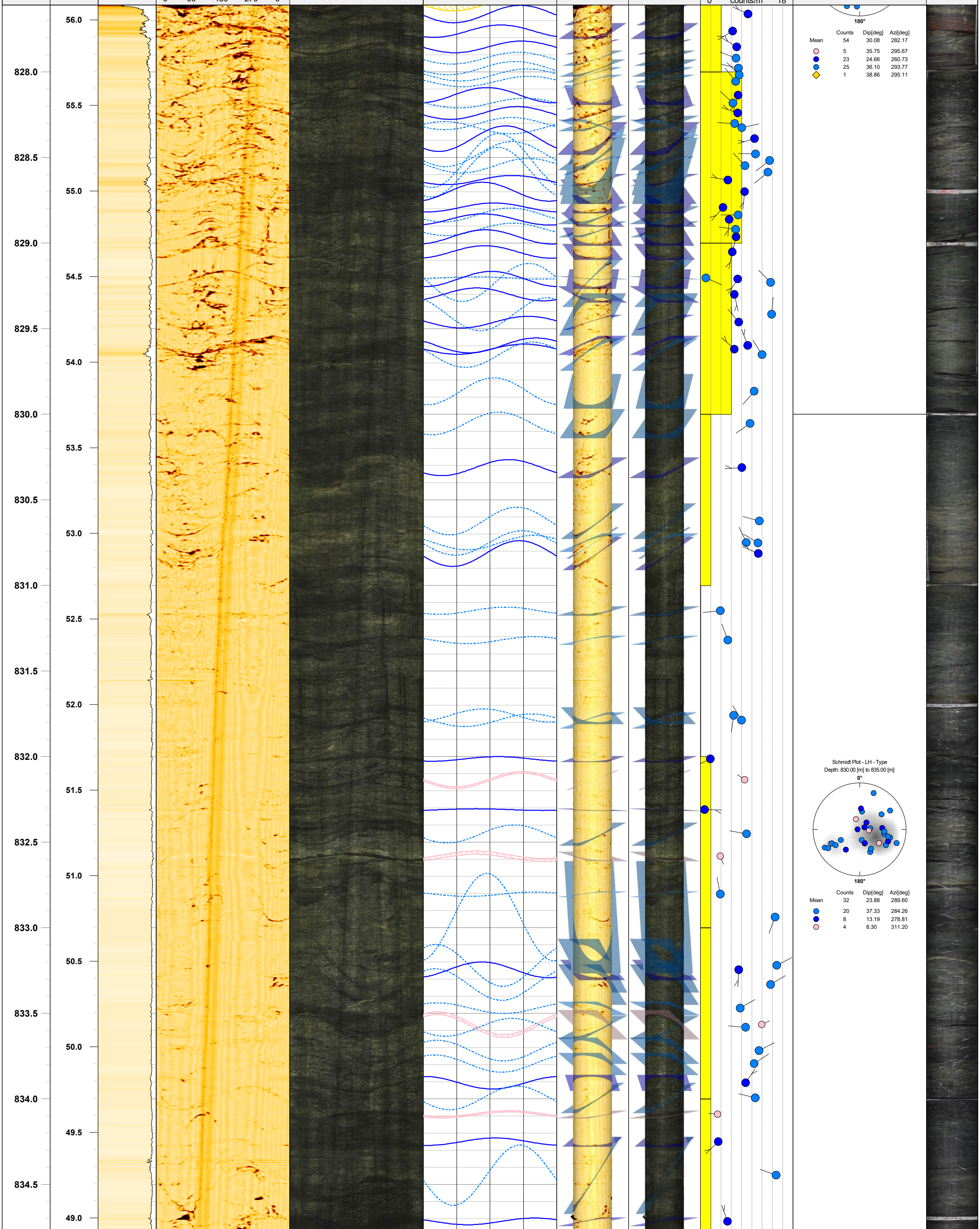
Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 7000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	

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Depth		Image Logs			Structural Data					Core
Depth 1m:20m	RL m AHD	Reflectivity	Amplitude-HS HPF 500 – 7000 0° 90° 180° 270° 0°	Image-HS 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 18	Stereoplots Schmidt Plot - LH - Type	Core Photo



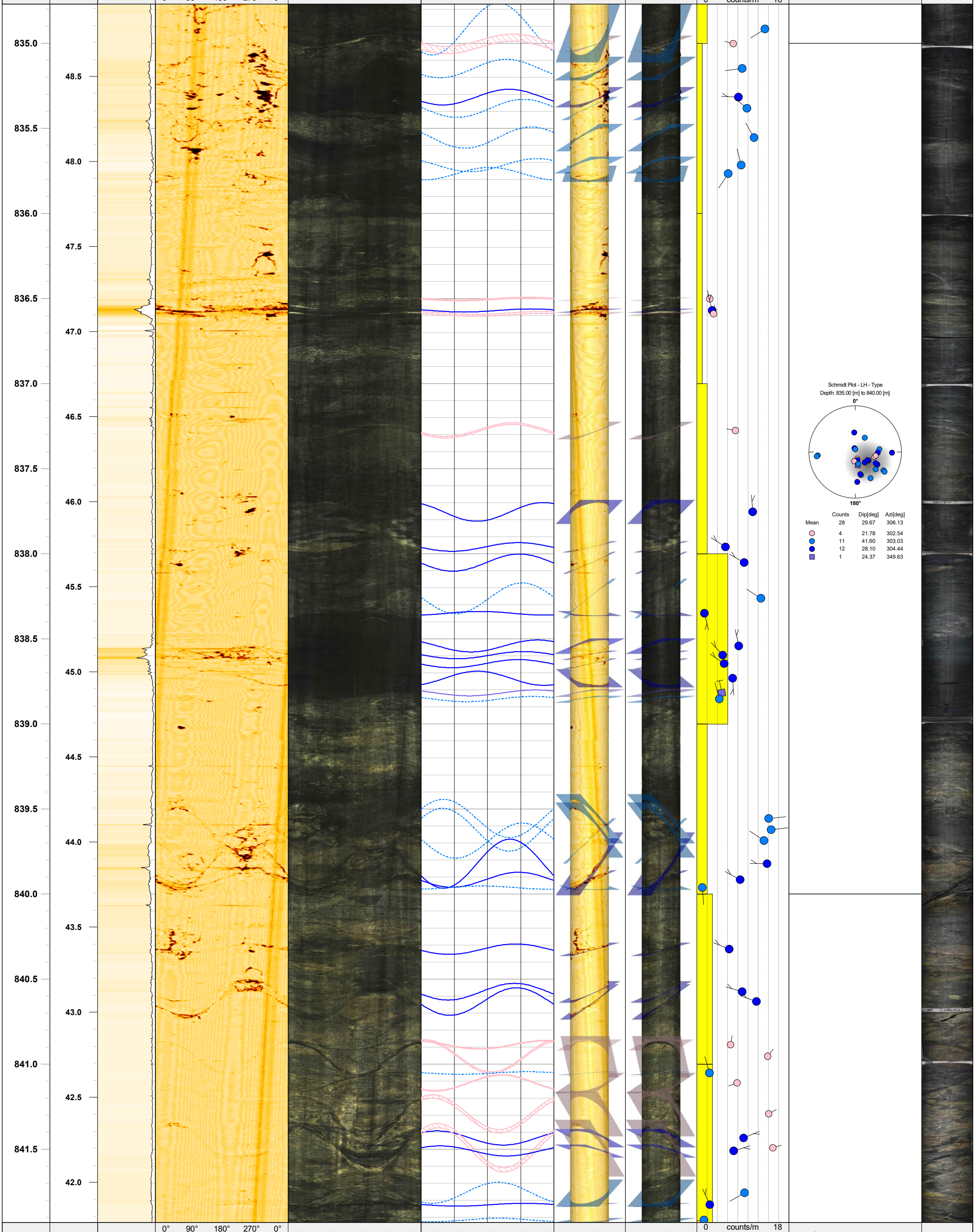
1m:20m	AHD		0° 90° 180° 270° 0° 500 – 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 18 Freq/metre 0 – 90	Schmidt Plot - LH - Type	Core Photo
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	
Depth		Image Logs			Structural Data					Core

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Depth		Image Logs			Structural Data					Core
Depth 1m:20m	RL m AHD	Reflectivity	Amplitude-HS HPF 500 – 7000 0° 90° 180° 270° 0°	Image-HS 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 18	Stereoplots Schmidt Plot - LH - Type	Core Photo



Schmidt Plot - LH - Type
Depth: 835.00 [m] to 840.00 [m]
0°
180°

	Counts	Dip[deg]	Azi[deg]
Mean	28	29.67	306.13
	4	21.78	302.54
	11	41.60	303.03
	12	28.10	304.44
	1	24.37	349.63

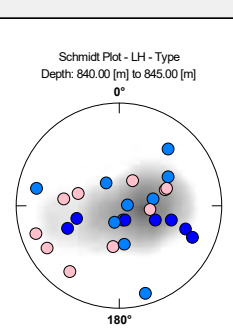
Depth		Image Logs			Structural Data					Core
1m:20m Depth	AHD RL m	Reflectivity	0° 90° 180° 270° 0° 500 – 7000 Amplitude-HS HPF	0° 90° 180° 270° 0° Image-HS	0° 90° 180° 270° 0° Apparent Structures	-0° 3D ATV	-0° 3D OTV	0 counts/m 18 Freq/metre 0 – 90 Structures - TN	Schmidt Plot - LH - Type Stereoplots	Core Photo

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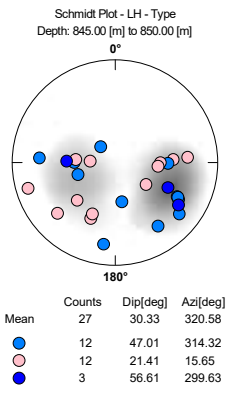
BHUA-04

Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 7000					0 90		
			0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	Freq/metre	Schmidt Plot - LH - Type	
								0 counts/m 18		

842.0 / 41.5 / 842.5 / 41.0 / 843.0 / 40.5 / 843.5 / 40.0 / 844.0 / 39.5 / 844.5 / 39.0 / 845.0 / 38.5 / 845.5 / 38.0 / 846.0 / 37.5 / 846.5 / 37.0 / 847.0 / 36.5 / 847.5 / 36.0 / 848.0 / 35.5 / 848.5 / 35.0 / 849.0



	Counts	Dip[deg]	Azi[deg]
Mean	27	12.35	297.78
	7	32.82	301.76
	10	17.67	62.65
	10	11.43	270.71



	Counts	Dip[deg]	Azi[deg]
Mean	27	30.33	320.58
	12	47.01	314.32
	12	21.41	15.65
	3	56.61	299.63

1m:20m AHD Depth RL m | Reflectivity | 0° 90° 180° 270° 0° 500 7000 Amplitude-HS HPF | 0° 90° 180° 270° 0° Image-HS | 0° 90° 180° 270° 0° Apparent Structures | -0° 3D ATV | -0° 3D OTV | 0 counts/m 18 Freq/metre 0 90 Structures - TN | Schmidt Plot - LH - Type Stereoplots | Core Photo

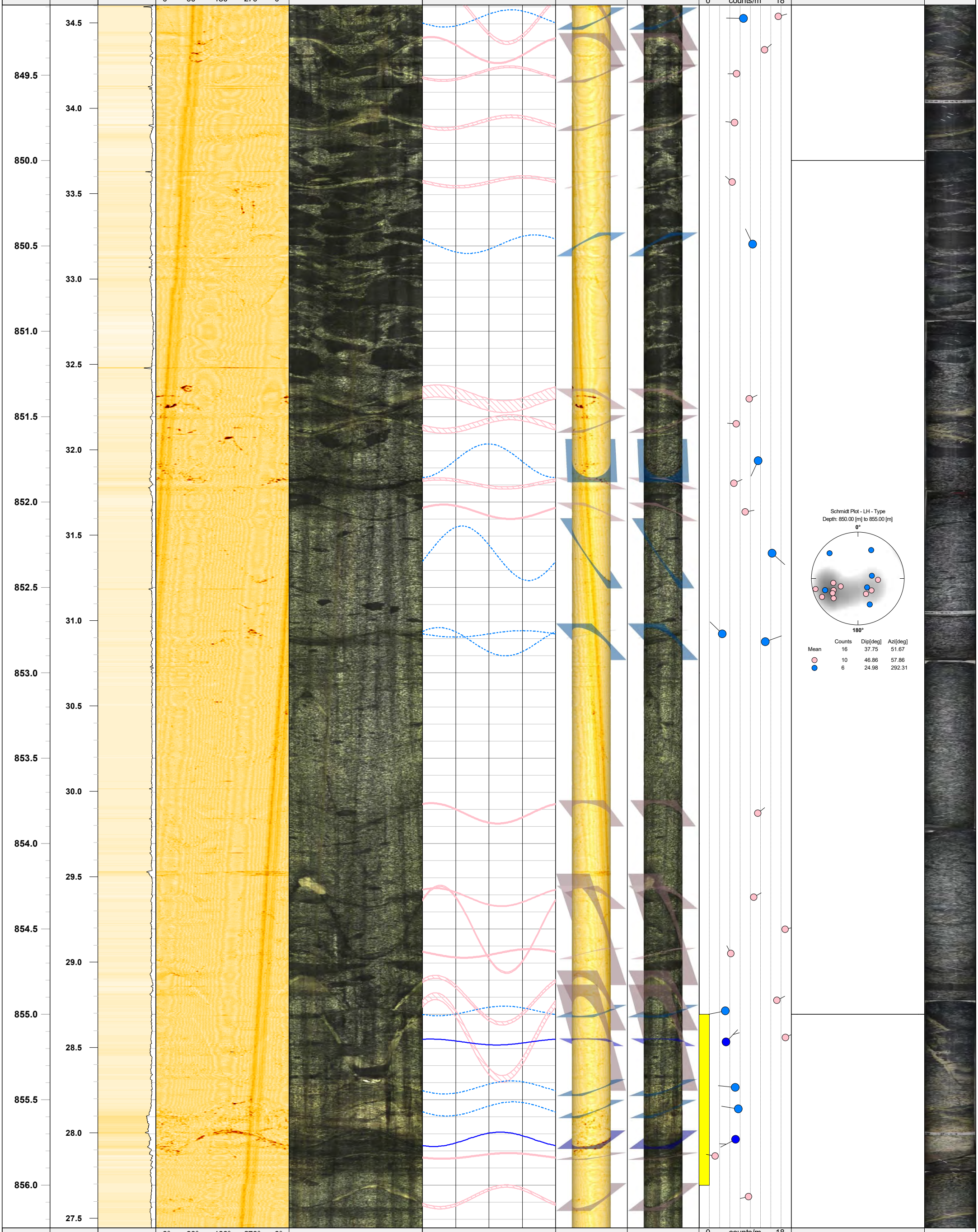
Depth | Image Logs | Structural Data | Core

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Depth		Image Logs			Structural Data					Core
Depth 1m:20m	RL m AHD	Reflectivity	Amplitude-HS HPF 500 7000 0° 90° 180° 270° 0°	Image-HS 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 18	Stereoplots Schmidt Plot - LH - Type	Core Photo



Schmidt Plot - LH - Type
Depth: 850.00 [m] to 855.00 [m]

0°

180°

	Counts	Dip[deg]	Azi[deg]
Mean	16	37.75	51.67
	10	46.86	57.86
	6	24.98	292.31

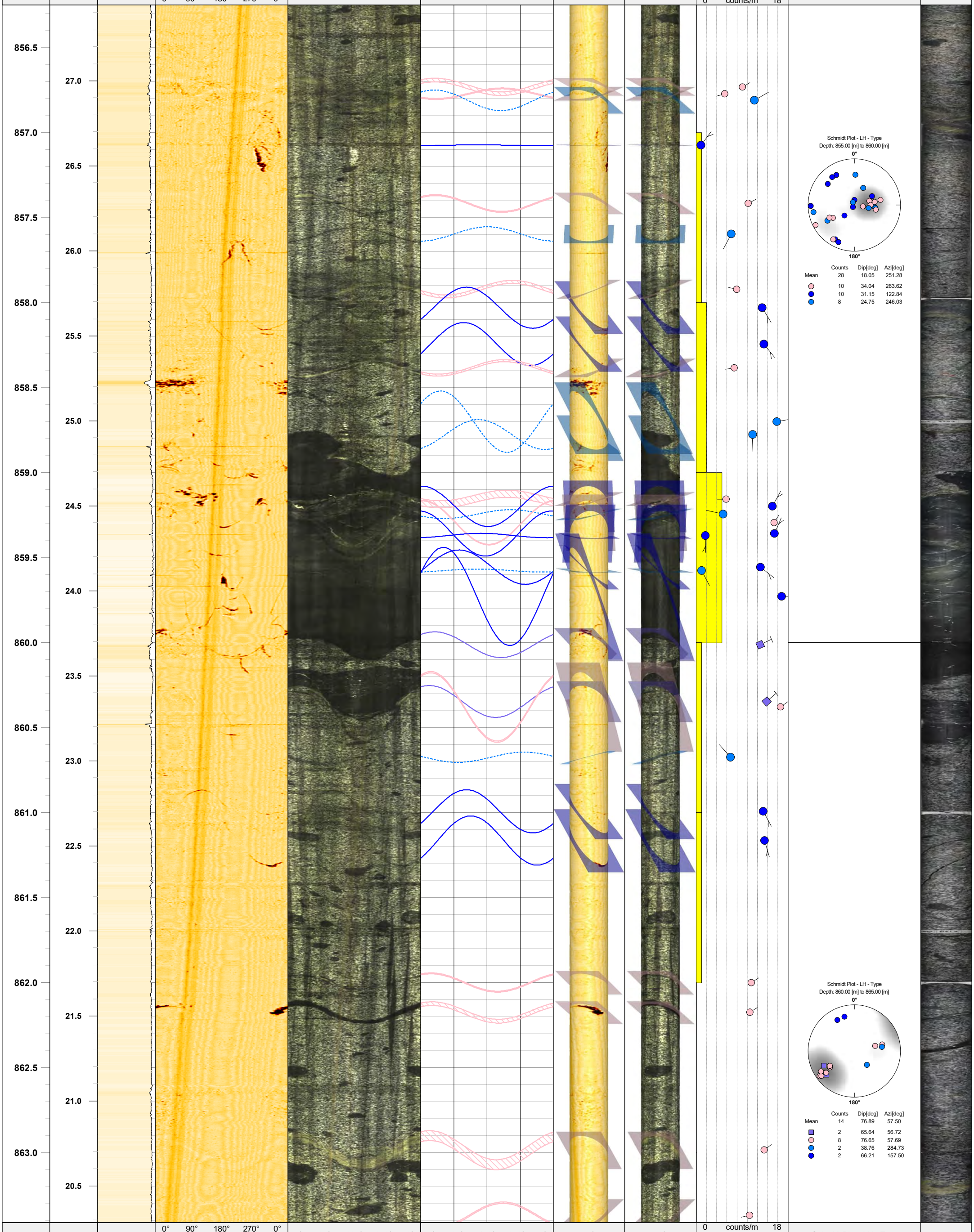
Depth		Image Logs			Structural Data					Core
1m:20m Depth	AHD RL m	Reflectivity	0° 90° 180° 270° 0° 500 7000 Amplitude-HS HPF	0° 90° 180° 270° 0° Image-HS	0° 90° 180° 270° 0° Apparent Structures	-0° 3D ATV	-0° 3D OTV	0 counts/m 18 Freq/metre 0 90 Structures - TN	Schmidt Plot - LH - Type Stereoplots	Core Photo

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 – 7000					0 – 90 Freq/metre		
			0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 18	Schmidt Plot - LH - Type	



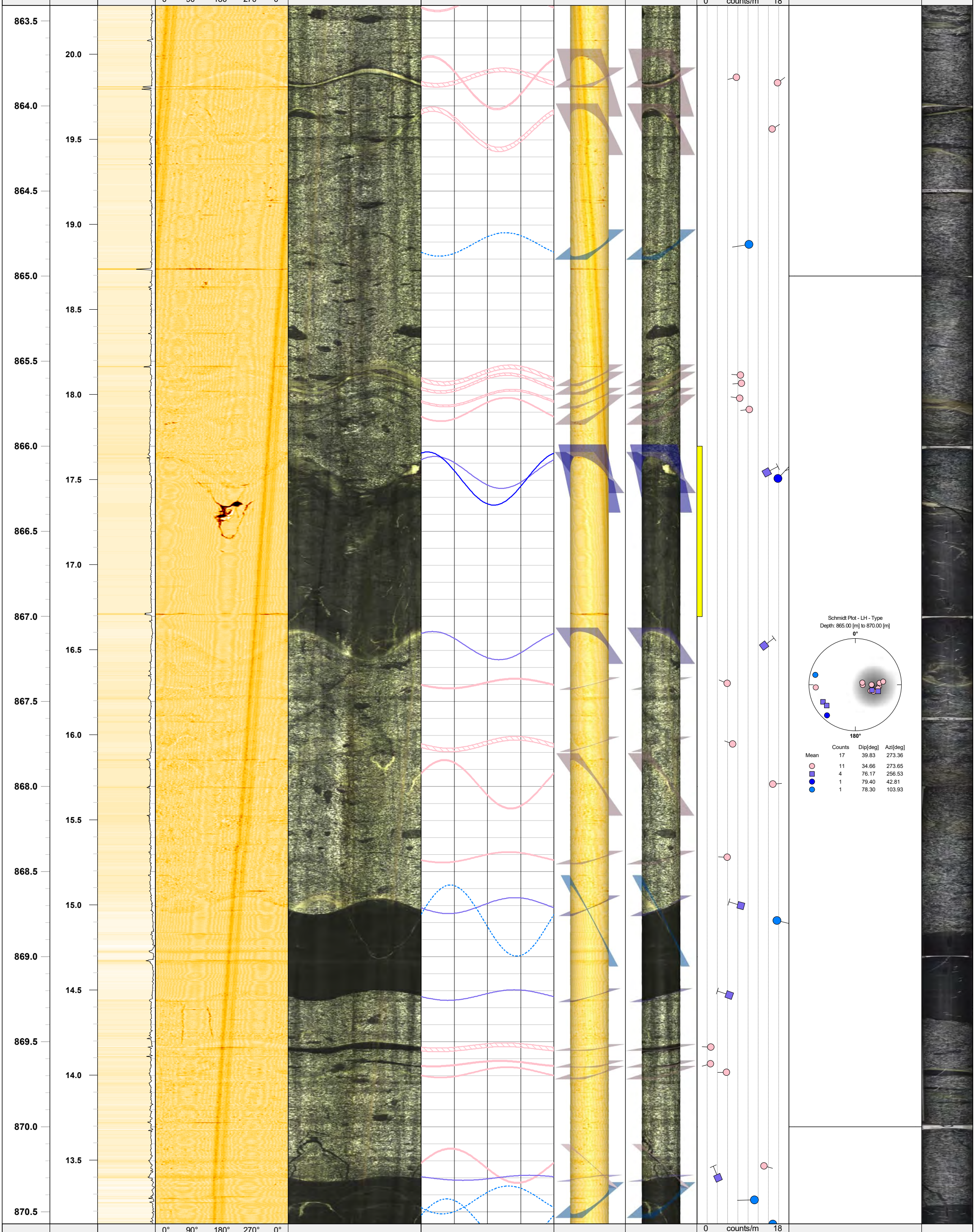
1m:20m	AHD		0° 90° 180° 270° 0° 500 – 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 18 Freq/metre 0 90	Schmidt Plot - LH - Type	Core Photo
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	
Depth		Image Logs			Structural Data					Core

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 – 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 – 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	



Schmidt Plot - LH - Type
Depth: 865.00 [m] to 870.00 [m]

0°

180°

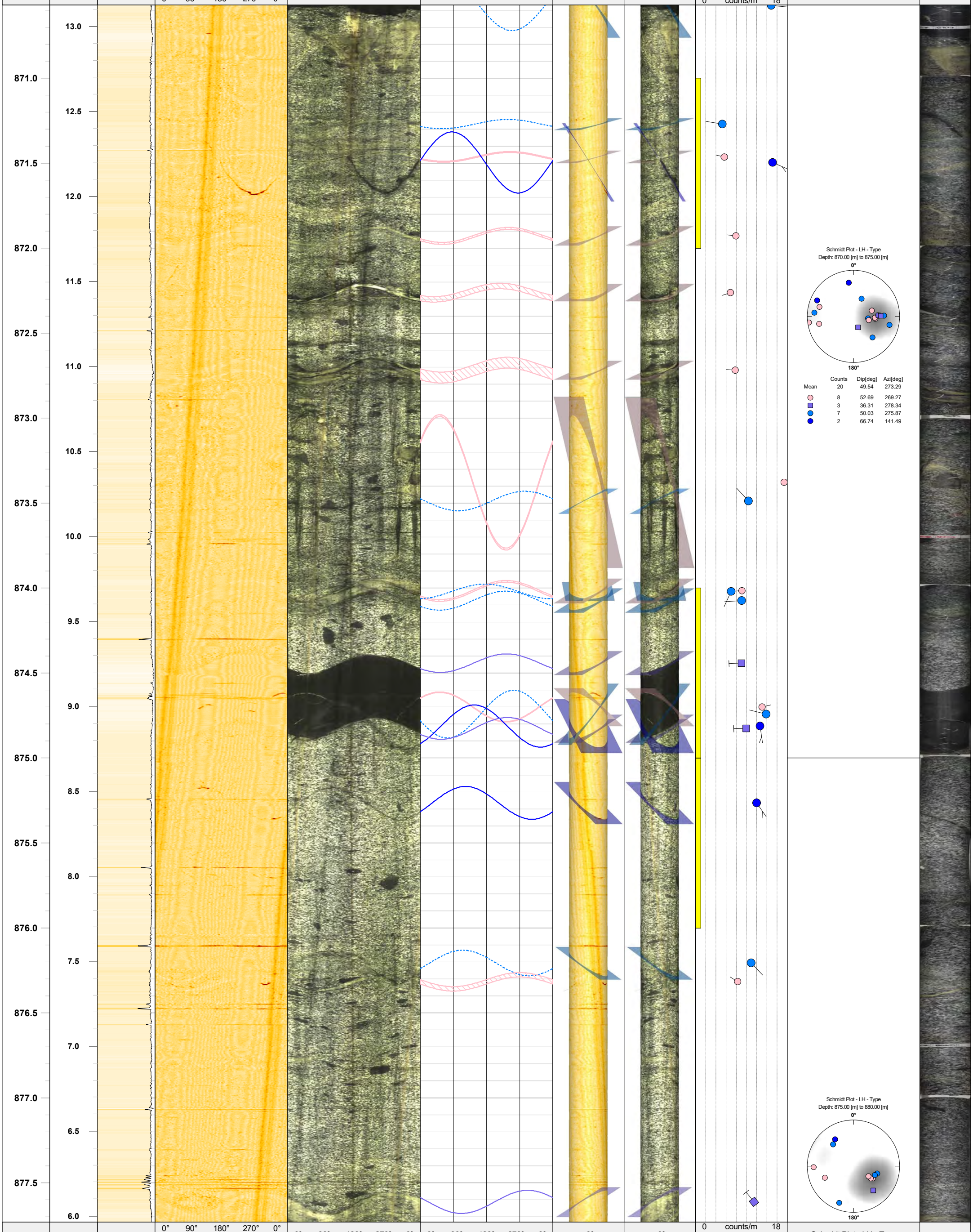
	Counts	Dip[deg]	Azi[deg]
Mean	17	39.83	273.36
	11	34.66	273.65
	4	76.17	256.53
	1	79.40	42.81
	1	78.30	103.93

Depth		Image Logs			Structural Data					Core
1m:20m	AHD		0° 90° 180° 270° 0° 500 – 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 18 Freq/metre 0 – 90	Schmidt Plot - LH - Type	
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	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	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots		Core Photo
1m:20m	AHD		500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type		



Depth		Image Logs			Structural Data						Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots		Core Photo
1m:20m	AHD		500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type		

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 – 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 – 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	

Depth: 878.00 – 884.00 m; RL: 5.5 – -1.0 AHD

Stereoplots:

	Counts	Dip[deg]	Azi[deg]
Mean	11	49.73	306.29
	1	59.97	145.67
	4	48.30	306.47
	5	41.69	299.73
	1	57.43	321.10

Schmidt Plot - LH - Type
Depth: 880.00 [m] to 885.00 [m]
0° / 180°

	Counts	Dip[deg]	Azi[deg]
Mean	9	82.61	279.91
	2	60.81	134.22
	7	57.02	273.27

1m:20m | AHD | Depth | RL m | Reflectivity | 500 – 7000 Amplitude-HS HPF | 0° 90° 180° 270° 0° Image-HS | 0° 90° 180° 270° 0° Apparent Structures | -0° 3D ATV | -0° 3D OTV | 0 counts/m 18 Freq/metre 0 – 90 Structures - TN | Schmidt Plot - LH - Type Stereoplots | Core Photo

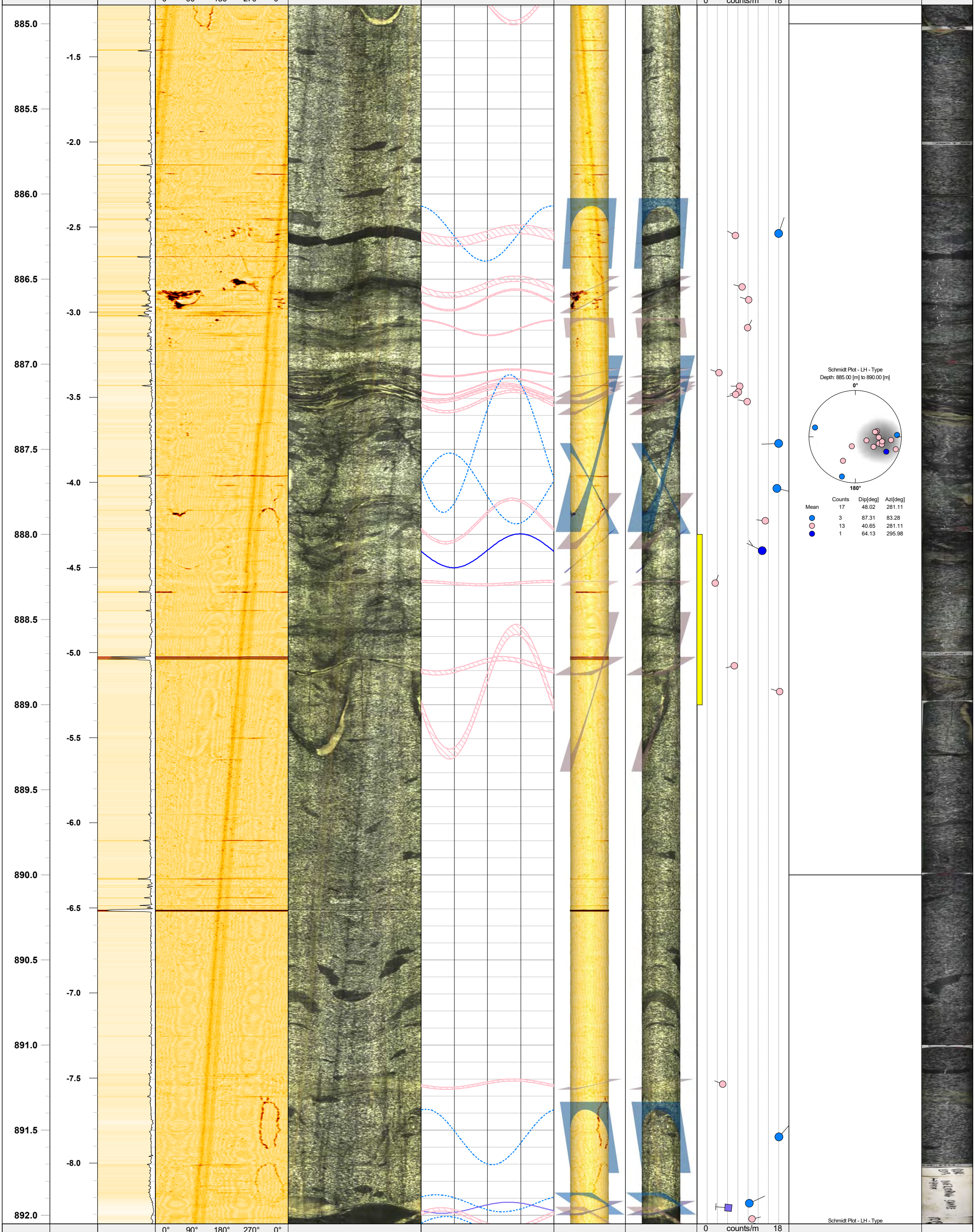
Depth | Image Logs | Structural Data | Core

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Depth		Image Logs			Structural Data					Core
Depth 1m:20m	RL m AHD	Reflectivity	Amplitude-HS HPF 500 7000 0° 90° 180° 270° 0°	Image-HS 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 18	Stereoplots Schmidt Plot - LH - Type	Core Photo



Depth		Image Logs			Structural Data					Core
Depth 1m:20m	RL m AHD	Reflectivity	Amplitude-HS HPF 500 7000 0° 90° 180° 270° 0°	Image-HS 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 18	Stereoplots Schmidt Plot - LH - Type	Core Photo

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Depth		Image Logs			Structural Data					Core
Depth	RL m	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
1m:20m	AHD		500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 90 Freq/metre 0 counts/m 18	Schmidt Plot - LH - Type	

892.5 -8.5
893.0 -9.0
893.5 -9.5
894.0 -10.0
894.5 -10.5
895.0 -11.0
895.5 -11.5
896.0 -12.0
896.5 -12.5
897.0 -13.0
897.5 -13.5
898.0 -14.0
898.5 -14.5
899.0 -15.0
-15.5

Depth: 890.00 [m] to 895.00 [m]

	Counts	Dip[deg]	Azi[deg]
Mean	13	35.33	58.97
	7	51.80	64.56
	3	60.54	64.14
	3	21.58	264.39

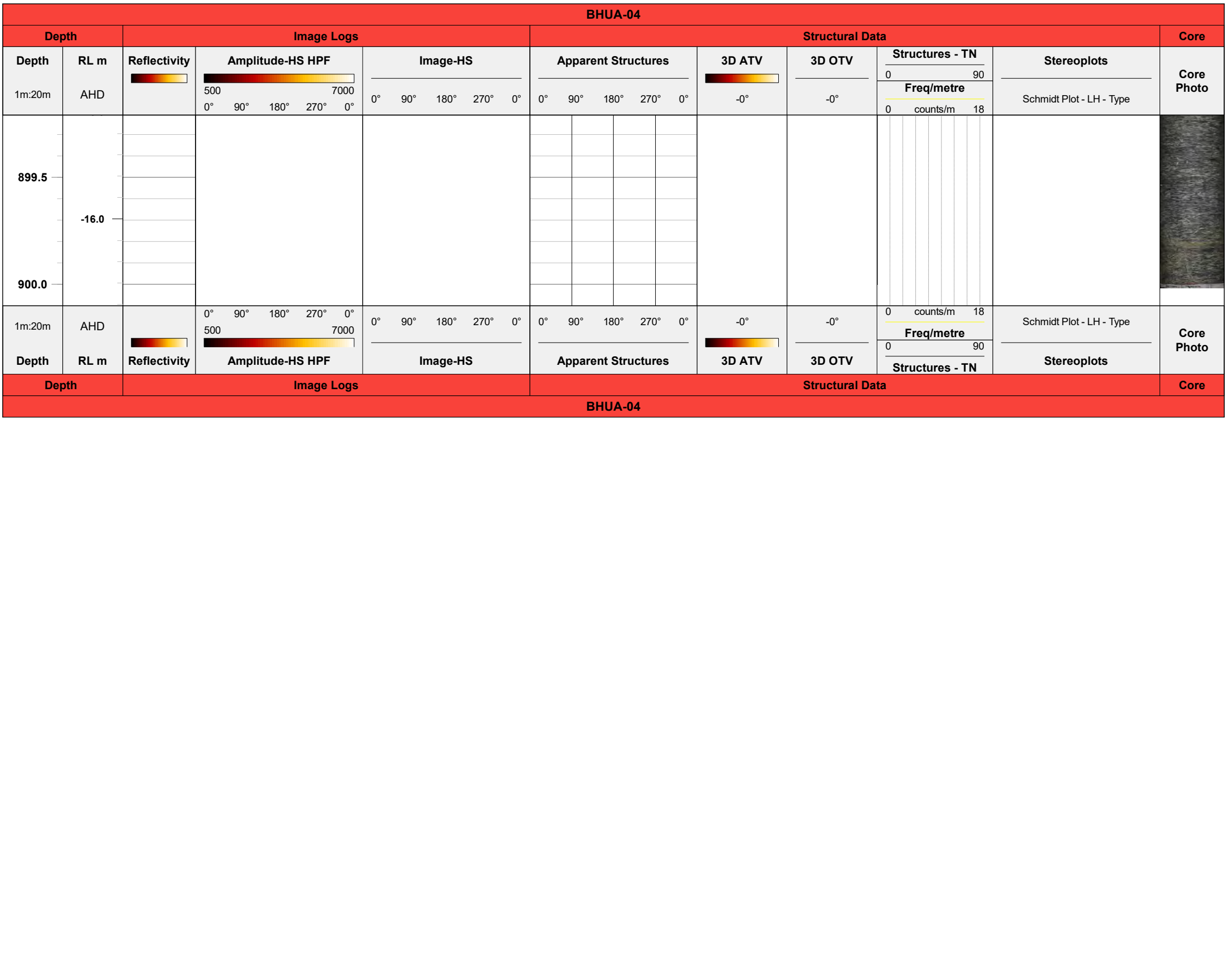
Schmidt Plot - LH - Type
Depth: 895.00 [m] to 898.79 [m]

	Counts	Dip[deg]	Azi[deg]
Mean	8	32.15	253.91
	3	19.44	230.77
	4	46.46	265.63
	1	52.31	254.67

Depth		Image Logs			Structural Data					Core
1m:20m	AHD	Reflectivity	Amplitude-HS HPF	Image-HS	Apparent Structures	3D ATV	3D OTV	Structures - TN	Stereoplots	Core Photo
Depth	RL m		500 7000	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	-0°	-0°	0 counts/m 18 Freq/metre 0 90	Schmidt Plot - LH - Type	

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BHUA-04 Composite Logs

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

GEOPHYSICAL RECORD OF BOREHOLE: BHUA-04

PROJECT: Pioneer-Burdekin PHES JOB # PS138693

CLIENT: Queensland Hydro DATE: 30/11/2024

BOREHOLE DETAILS

LOCATION:	Upper Reservoir A	BH DEPTH:	900.1 m
EASTING:	658881.59 m E	BH DIAMETER:	PQ / HQ
NORTHING:	7666238.08 m N	BH AZIMUTH:	198° TN
ELEVATION:	883.24 m	BH PLUNGE:	-84°
COORD SYSTEM:	MGA2020	CASING DEPTH:	20.62 / 150.07 m
LOGGING DATUM:	Ground Level	CASING TYPE:	HWT

DOCUMENT DETAILS

LOGGED BY:	GH/JH
LOGGED DATE:	July/Oct 2024
DRAWN BY:	GH
REVIEWED BY:	--
FILE:	BHUA-04_Comp_RevA
LOGGED DEPTH:	899.36 m

NOTES

PRELIMINARY LOGS ONLY, subject to review.

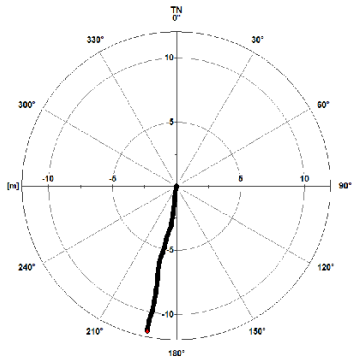
Borehole logged in separate runs for PQ and HQ sections.

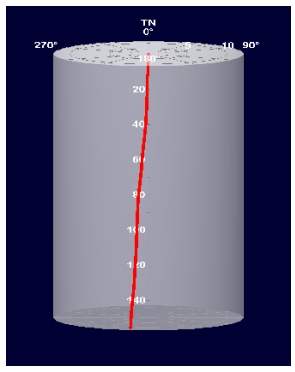
Image logs are oriented relative to borehole high side. Final structure log is oriented relative to true north using magnetic declination of 8.2° East.

Mechanical calliper log used for structure dip corrections.

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

BOREHOLE DEVIATION





INTERPRETED STRUCTURES

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

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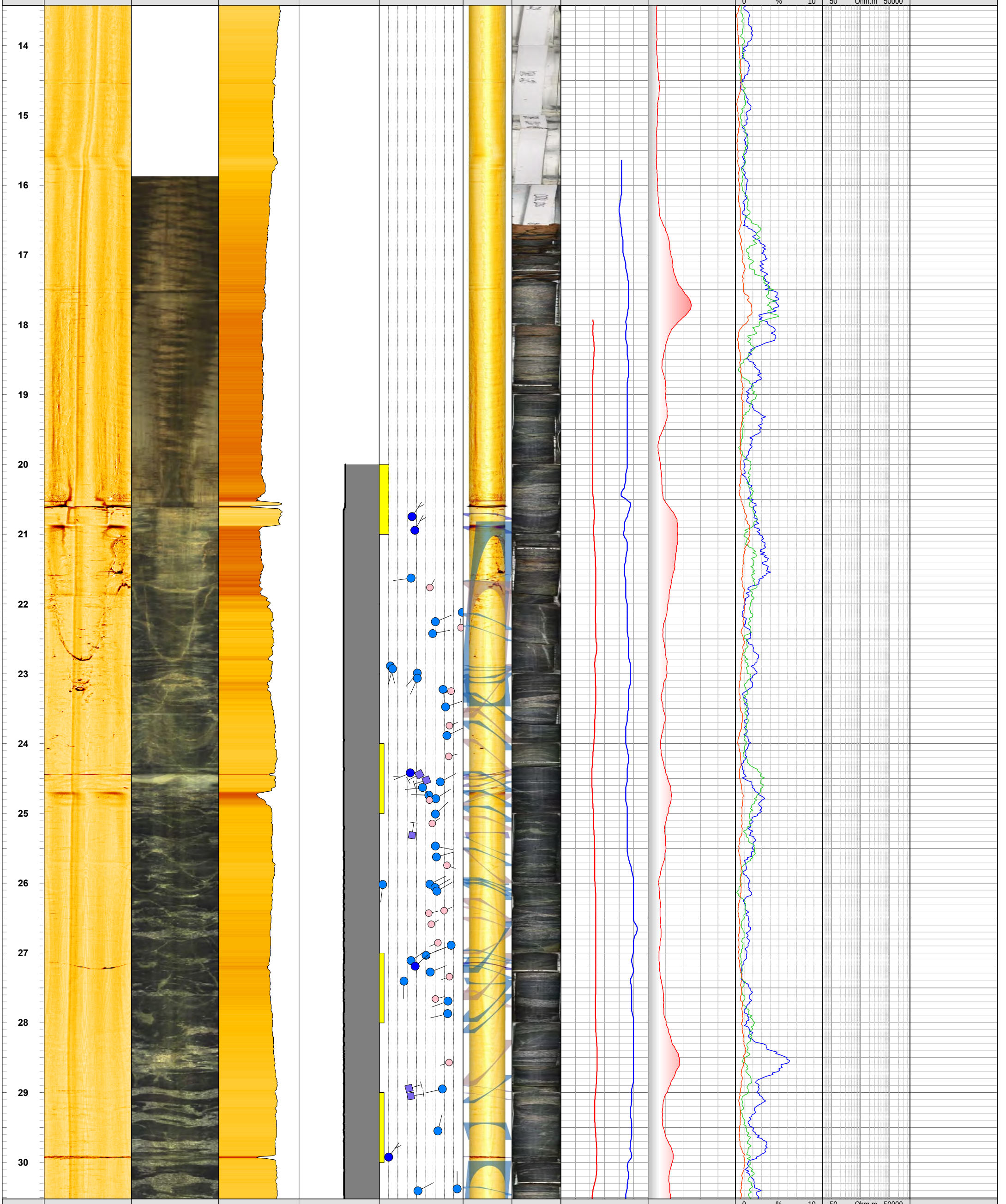
Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs		Electrical Logs	
Depth	Amplitude-HS HPF	Image-HS	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
1m:50m	500 7000	0° 90° 180° 270° 0°	0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vp		U	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
					0 90			Vs		K	N8	Ma16
Depth	Amplitude-HS HPF	Image-HS	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
	0° 90° 180° 270° 0° 500 7000	0° 90° 180° 270° 0°	0 11000	80 mm 160	0 counts/m 18 Freq/metre 0 90	-0°		1000 m/s 7000 Vp 1000 m/s 7000	0 API 250	0 % 10 K 0 ppm 10 U 0 ppm 20	50 Ohm.m 50000 N8 50 Ohm.m 50000 N32 50 Ohm.m 50000	0 ms 50 Ma64 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	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
1m:50m	500 7000	0° 90° 180° 270° 0°	0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vp		U	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
										K	N8	
										0 % 10	50 Ohm.m 50000	



Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs		Electrical Logs	
Depth	Amplitude-HS HPF	Image-HS	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
1m:50m	500 7000	0° 90° 180° 270° 0°	0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vp		U	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
										K	N8	
										0 % 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	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
1m:50m	500 7000	0° 90° 180° 270° 0°	0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vp		U	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
										K	N8	
										0 % 10	50 Ohm.m 50000	

31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47

Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs		Electrical Logs	
Depth	Amplitude-HS HPF	Image-HS	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
1m:50m	500 7000	0° 90° 180° 270° 0°	0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vp		U	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
										K	N8	
										0 % 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	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
1m:50m	500 7000	0° 90° 180° 270° 0°	0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vp		U	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
										K	N8	
										0 % 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	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
1m:50m	500 7000	0° 90° 180° 270° 0°	0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vp		U	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
										K	N8	
										0 % 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	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th / U / K	N16 / N32 / N8	Ma16 / Ma64
1m:50m	500 – 7000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0 – 11000	80 mm 160	0 – 90 Freq/metre 0 counts/m 18	-0°		1000 m/s 7000 Vp 1000 m/s 7000	0 API 250	Th 0 ppm 20 U 0 ppm 10 K 0 % 10	N16 50 Ohm.m 50000 N32 50 Ohm.m 50000 N8 50 Ohm.m 50000	Ma16 0 ms 50 Ma64 0 ms 50

65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81

Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs	Electrical Logs	
Depth	Amplitude-HS HPF	Image-HS	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th / U / K	N16 / N32 / N8	Ma16 / Ma64
1m:50m	500 – 7000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0 – 11000	80 mm 160	0 – 90 Freq/metre 0 counts/m 18	-0°		1000 m/s 7000 Vp 1000 m/s 7000	0 API 250	Th 0 ppm 20 U 0 ppm 10 K 0 % 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	

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Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs		Electrical Logs	
Depth	Amplitude-HS HPF	Image-HS	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
1m:50m	500 7000		0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°			Freq/metre			Vp		U	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
										K	N8	
										0 % 10	50 Ohm.m 50000	

82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98

Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs		Electrical Logs	
Depth	Amplitude-HS HPF	Image-HS	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
1m:50m	500 7000		0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°			Freq/metre			Vp		U	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
										K	N8	
										0 % 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	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
1m:50m	500 7000	0° 90° 180° 270° 0°	0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vp		U	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
										K	N8	
										0 % 10	50 Ohm.m 50000	

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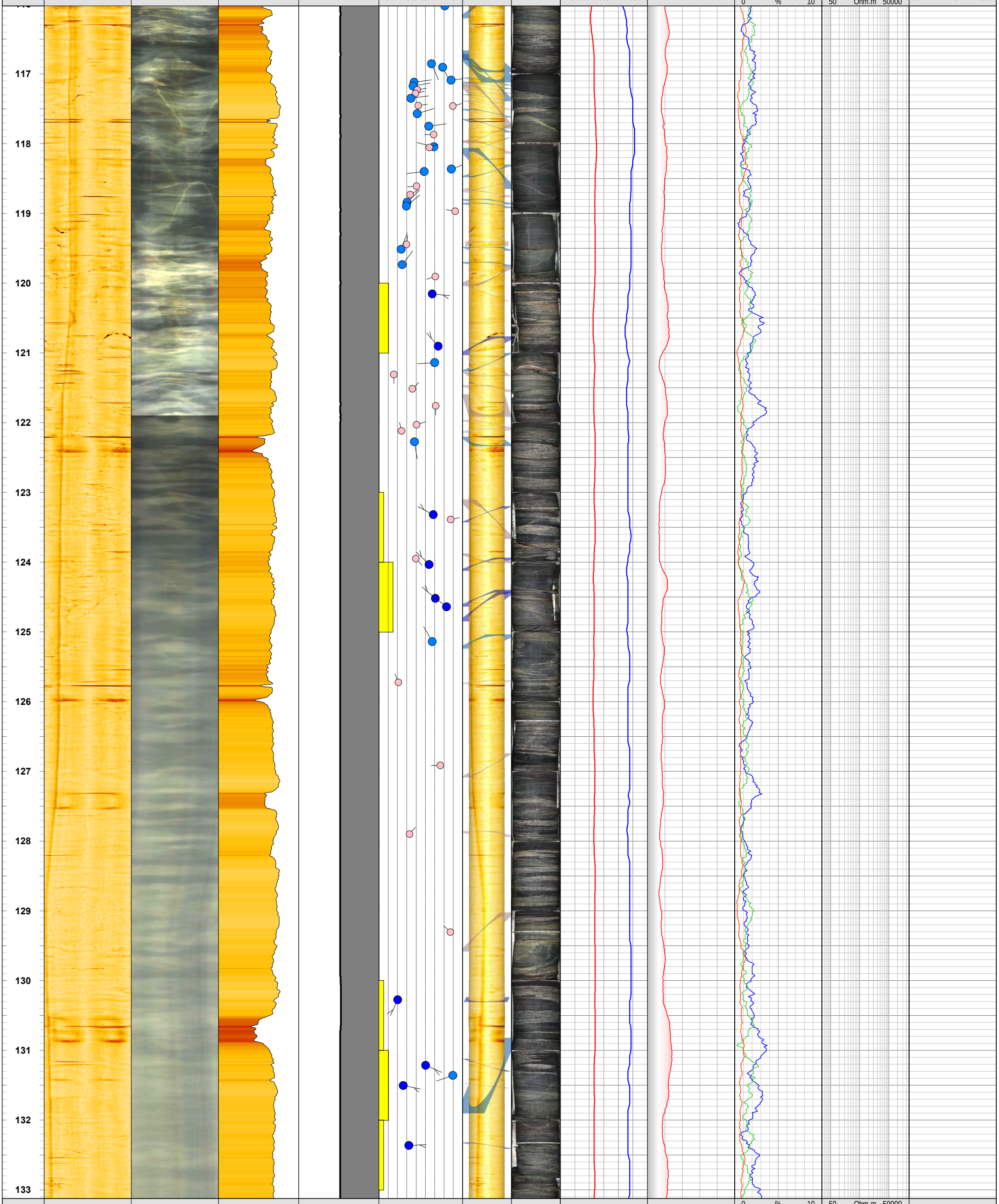
Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs		Electrical Logs	
Depth	Amplitude-HS HPF	Image-HS	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
1m:50m	500 7000	0° 90° 180° 270° 0°	0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vp		U	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
										K	N8	
										0 % 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	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
1m:50m	500 7000	0° 90° 180° 270° 0°	0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vp		U	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
										K	N8	
										0 % 10	50 Ohm.m 50000	



Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs		Electrical Logs	
Depth	Amplitude-HS HPF	Image-HS	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
1m:50m	500 7000	0° 90° 180° 270° 0°	0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vp		U	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
										K	N8	
										0 % 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	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
1m:50m	500 7000	0° 90° 180° 270° 0°	0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vp		U	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
										K	N8	
										0 % 10	50 Ohm.m 50000	

134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150

Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs		Electrical Logs	
Depth	Amplitude-HS HPF	Image-HS	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
1m:50m	500 7000	0° 90° 180° 270° 0°	0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vp		U	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
										K	N8	
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Depth	Amplitude-HS HPF	Image-HS	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
1m:50m	500 7000		0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°			Freq/metre			Vp		U	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
										K	N8	
										0 % 10	50 Ohm.m 50000	

151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167

Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs		Electrical Logs	
Depth	Amplitude-HS HPF	Image-HS	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
1m:50m	500 7000		0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°			Freq/metre			Vp		U	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
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Depth	Amplitude-HS HPF	Image-HS	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
1m:50m	500 7000	0° 90° 180° 270° 0°	0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vp		U	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
										K	N8	
										0 % 10	50 Ohm.m 50000	

168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184

Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs		Electrical Logs	
Depth	Amplitude-HS HPF	Image-HS	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
1m:50m	500 7000	0° 90° 180° 270° 0°	0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vp		U	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
										K	N8	
										0 % 10	50 Ohm.m 50000	

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					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
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Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs		Electrical Logs	
1m:50m	0° 90° 180° 270° 0° 500 7000	0° 90° 180° 270° 0°	0 11000	80 mm 160	0 counts/m 18	-0°		1000 m/s 7000	0 API 250	0 % 10	50 Ohm.m 50000	0 ms 50
Depth	Amplitude-HS HPF	Image-HS	Reflectivity	CAL	Freq/metre	3D ATV	Core	Vp	GR	K	N8	Ma64
					0 90			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	
					Structures - TN			Vs		U	N32	
										0 ppm 20	50 Ohm.m 50000	0 ms 50
										Th	N16	Ma16
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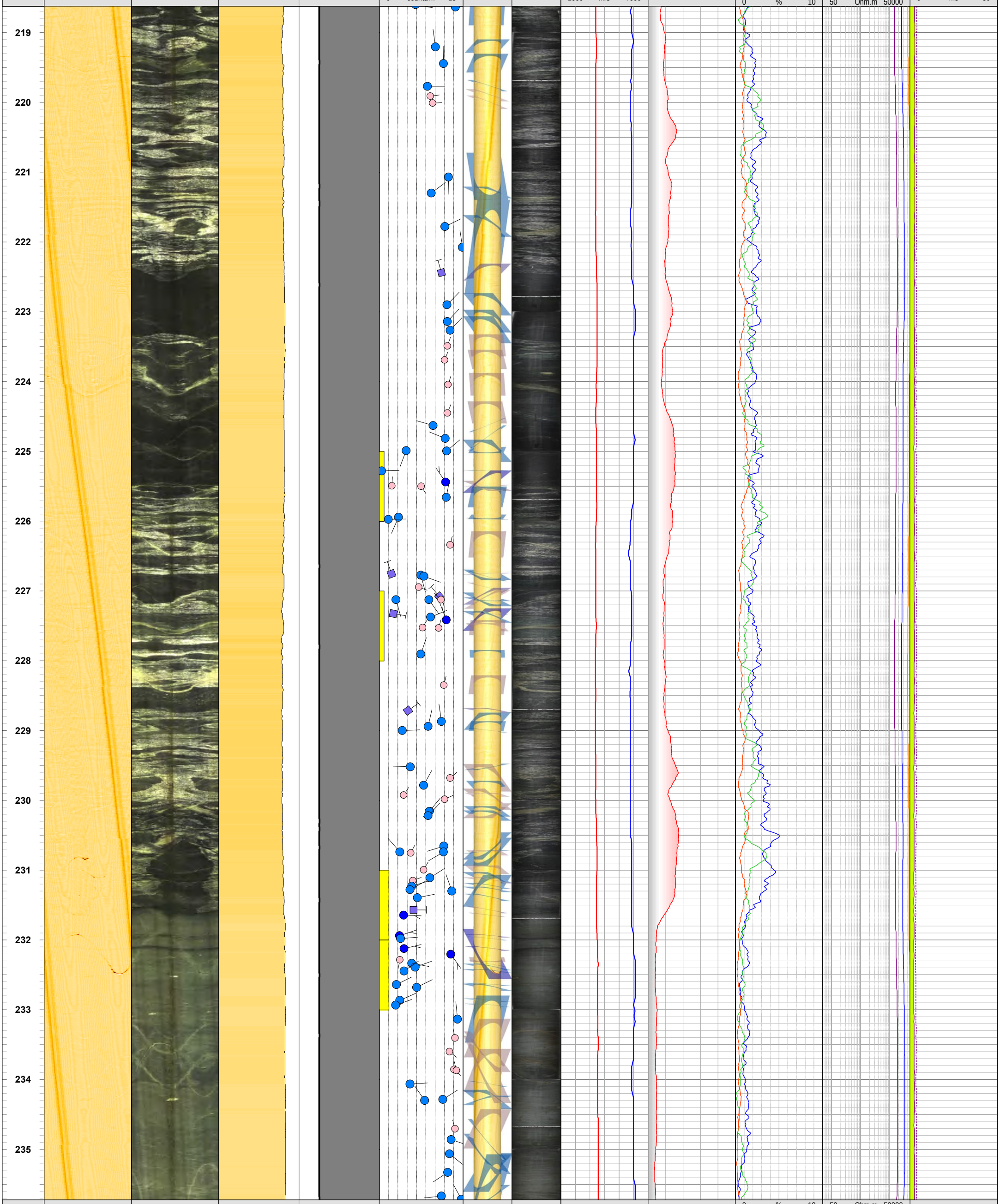
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Depth	Amplitude-HS HPF	Image-HS	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
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										K	N8	
										0 % 10	50 Ohm.m 50000	

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	0° 90° 180° 270° 0°				Freq/metre			Vp		U	N32	Ma64
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1m:50m	0° 90° 180° 270° 0° 500 7000	0° 90° 180° 270° 0°	0 11000	80 mm 160	0 counts/m 18	-0°		1000 m/s 7000	0 API 250	0 % 10	50 Ohm.m 50000	0 ms 50
					Freq/metre			Vp		K	N8	Ma64
					0 90			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
										U	N32	
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Depth	Amplitude-HS HPF	Image-HS	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16

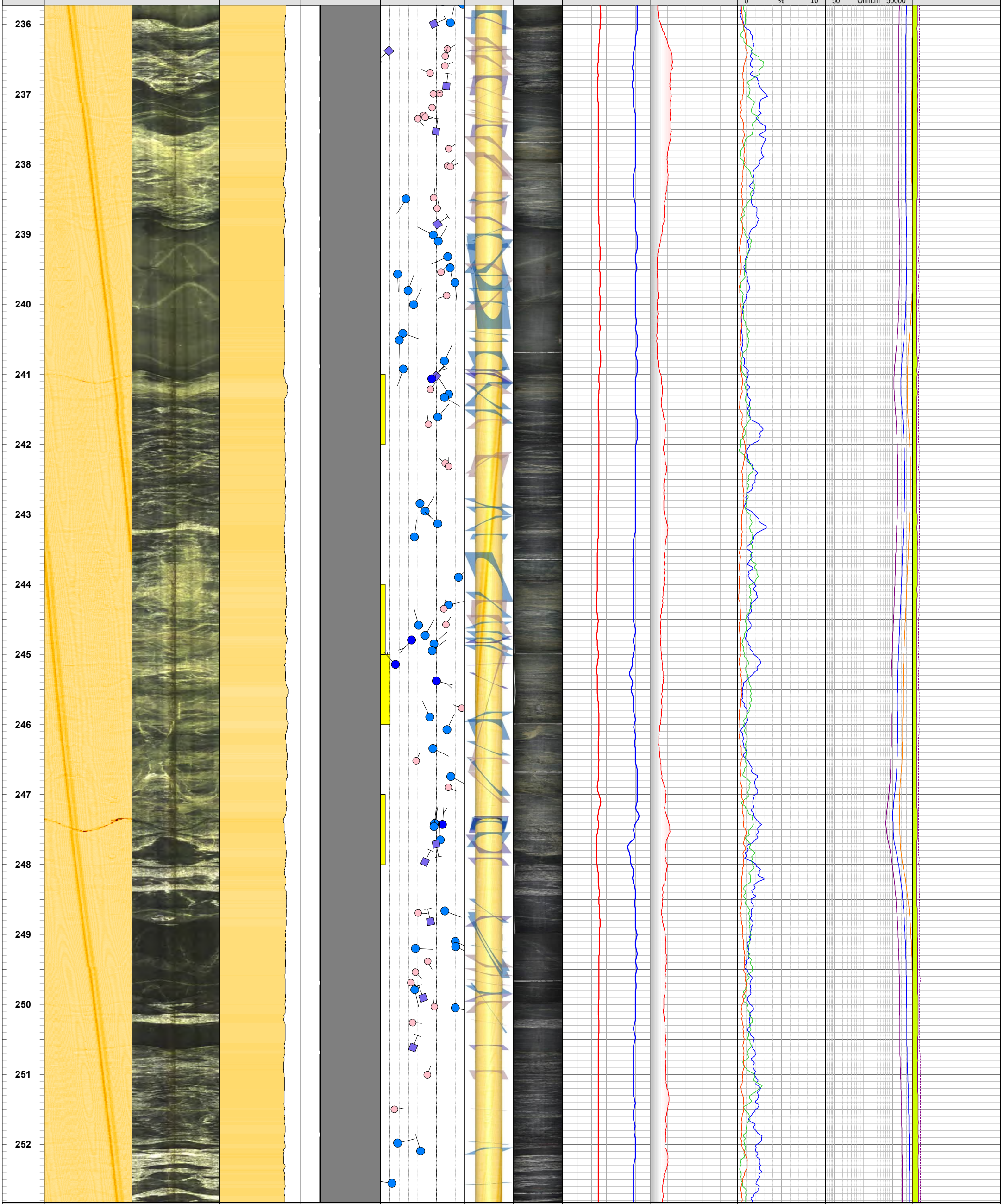
Depth	Image Logs	Calliper	Structural Logs	Sonic Logs	Gamma Logs	Electrical Logs

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					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
										K	N8	
										0 % 10	50 Ohm.m 50000	

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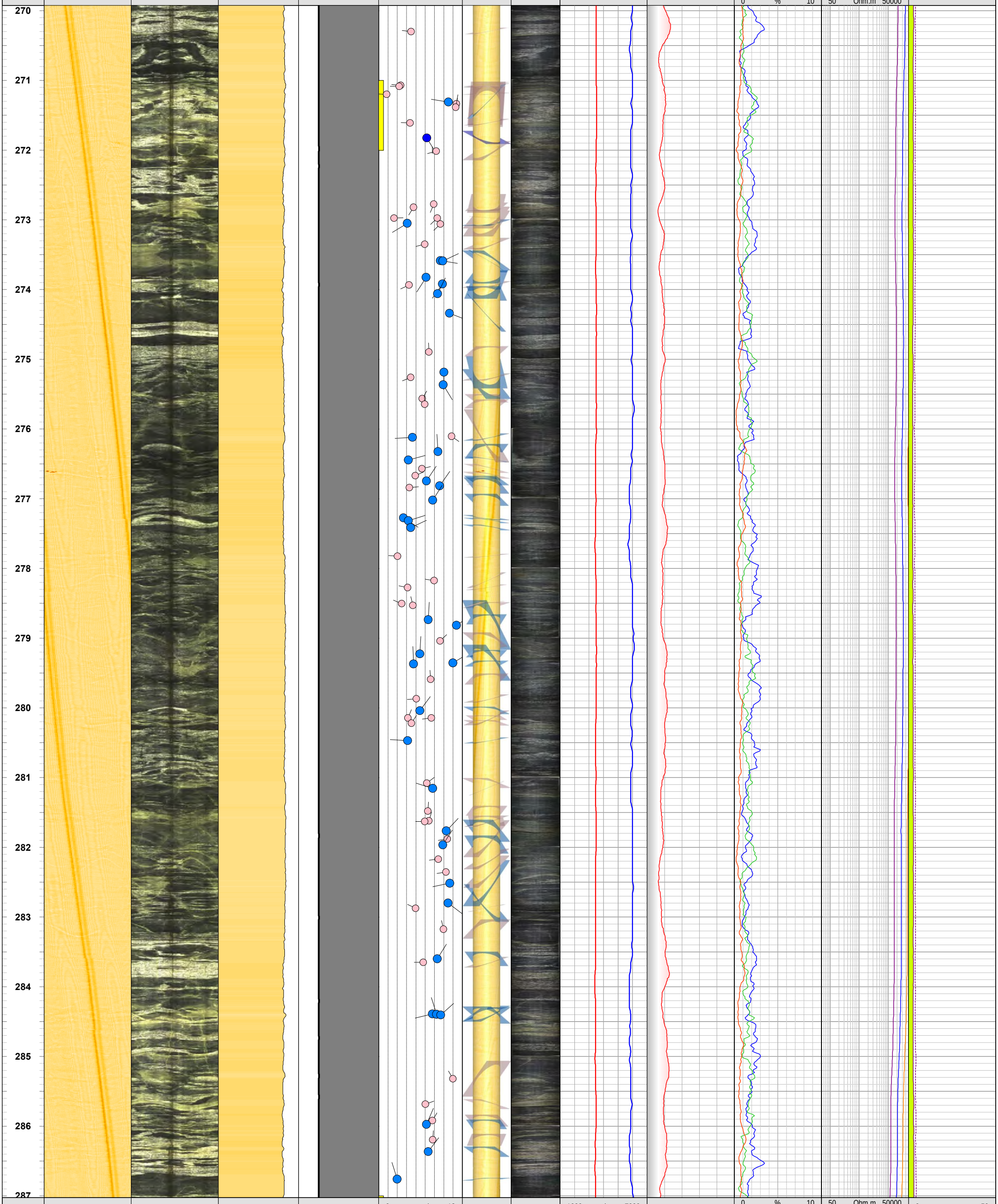
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Depth	Amplitude-HS HPF	Image-HS	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
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					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
										K	N8	
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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



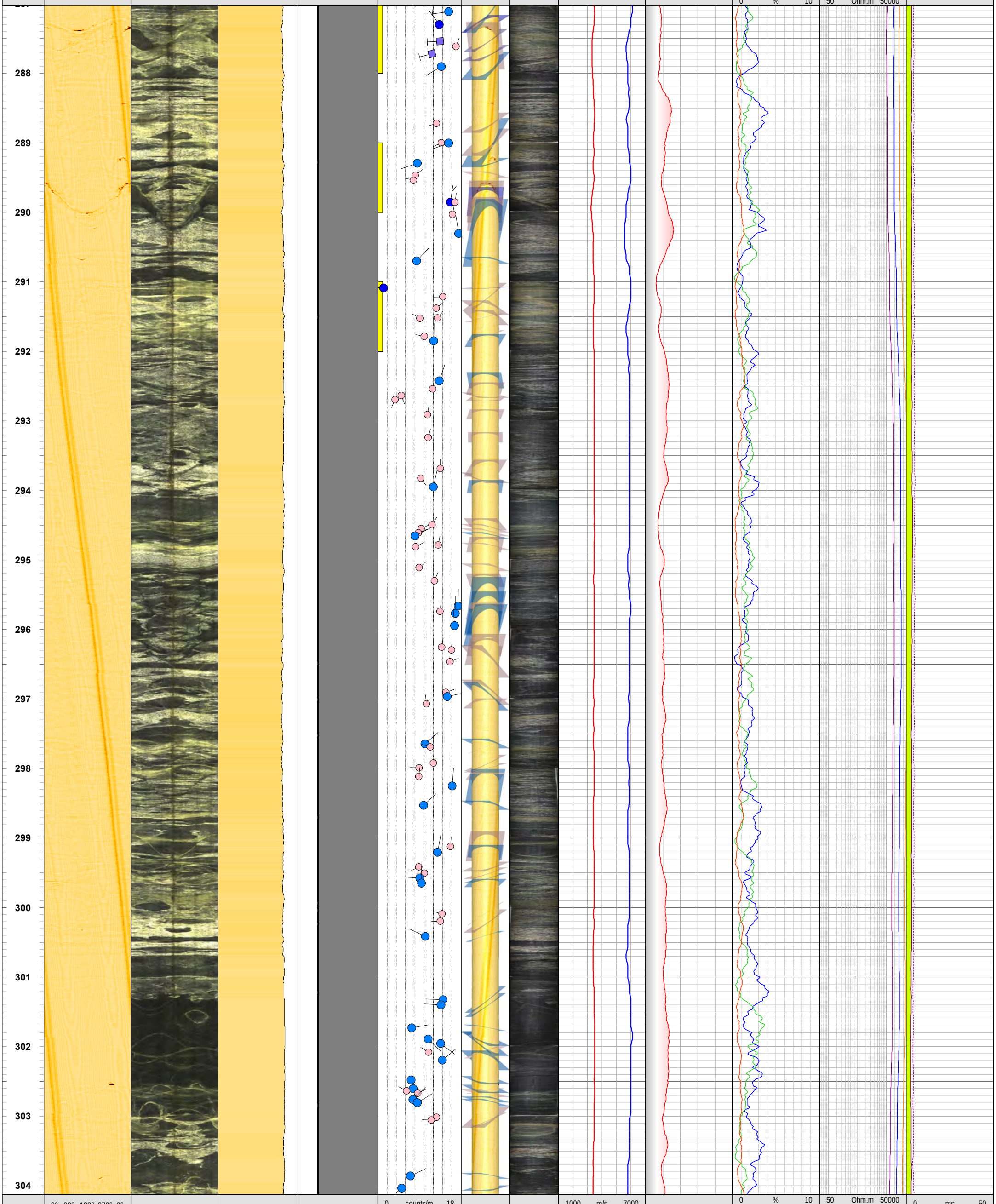
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Depth	Amplitude-HS HPF	Image-HS	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
1m:50m	500 7000	0° 90° 180° 270° 0°	0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vp		U	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
										K	N8	
										0 % 10	50 Ohm.m 50000	

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1m:50m	500 7000	0° 90° 180° 270° 0°	0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000
	0° 90° 180° 270° 0°				Freq/metre			Vp		U	N32
					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000
										K	N8
										0 % 10	50 Ohm.m 50000



Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs	Electrical Logs	
1m:50m	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0 11000	80 mm 160	0 counts/m 18	-0°		1000 m/s 7000	0 API 250	0 % 10	50 Ohm.m 50000
	500 7000				Freq/metre			Vp		K	N8
					0 90			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000
										U	N32
										0 ppm 20	50 Ohm.m 50000
Depth	Amplitude-HS HPF	Image-HS	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16

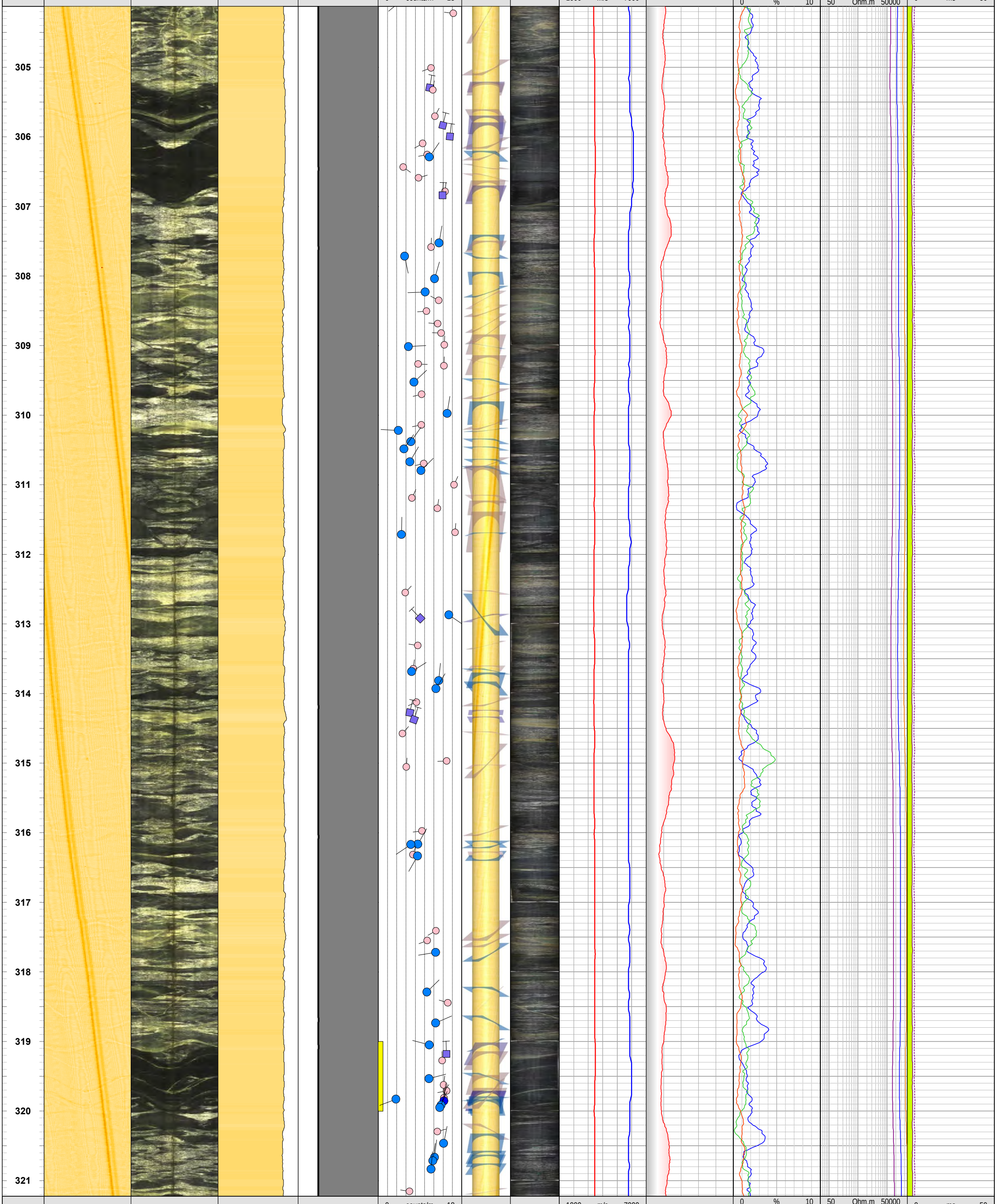
Depth	Image Logs	Calliper	Structural Logs	Sonic Logs	Gamma Logs	Electrical Logs
						0 ms 50
						Ma64
						0 ms 50
						Ma16

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Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs		Electrical Logs	
Depth	Amplitude-HS HPF	Image-HS	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
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					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
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										0 % 10	50 Ohm.m 50000	



Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs		Electrical Logs	
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1m:50m	500 7000	0° 90° 180° 270° 0°	0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vp		U	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
										K	N8	
										0 % 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	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
1m:50m	500 7000	0° 90° 180° 270° 0°	0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vp		U	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
										K	N8	
										0 % 10	50 Ohm.m 50000	

322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338

Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs		Electrical Logs	
Depth	Amplitude-HS HPF	Image-HS	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
1m:50m	500 7000	0° 90° 180° 270° 0°	0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vp		U	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
										K	N8	
										0 % 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	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
1m:50m	500 7000	0° 90° 180° 270° 0°	0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vp		U	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
										K	N8	
										0 % 10	50 Ohm.m 50000	

339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355

Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs		Electrical Logs	
Depth	Amplitude-HS HPF	Image-HS	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
1m:50m	500 7000	0° 90° 180° 270° 0°	0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vp		U	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
										K	N8	
										0 % 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	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
1m:50m	500 7000	0° 90° 180° 270° 0°	0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vp		U	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
										K	N8	
										0 % 10	50 Ohm.m 50000	

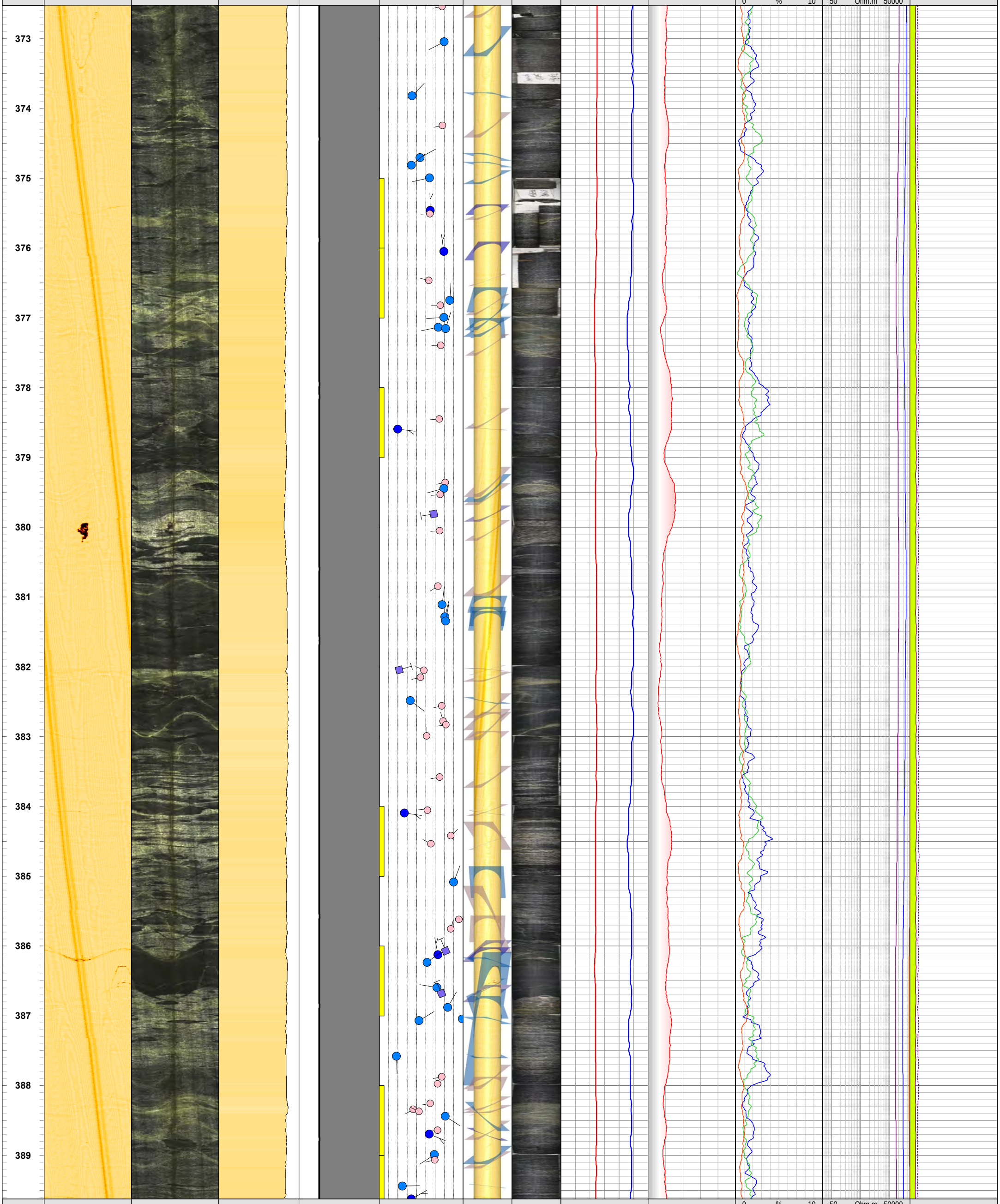
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Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs		Electrical Logs	
Depth	Amplitude-HS HPF	Image-HS	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
1m:50m	500 7000	0° 90° 180° 270° 0°	0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vp		U	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
										K	N8	
										0 % 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	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
1m:50m	500 7000	0° 90° 180° 270° 0°	0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vp		U	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
										K	N8	
										0 % 10	50 Ohm.m 50000	



Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs		Electrical Logs	
Depth	Amplitude-HS HPF	Image-HS	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
1m:50m	500 7000	0° 90° 180° 270° 0°	0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vp		U	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
										K	N8	
										0 % 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	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
1m:50m	500 7000	0° 90° 180° 270° 0°	0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vp		U	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
										K	N8	
										0 % 10	50 Ohm.m 50000	

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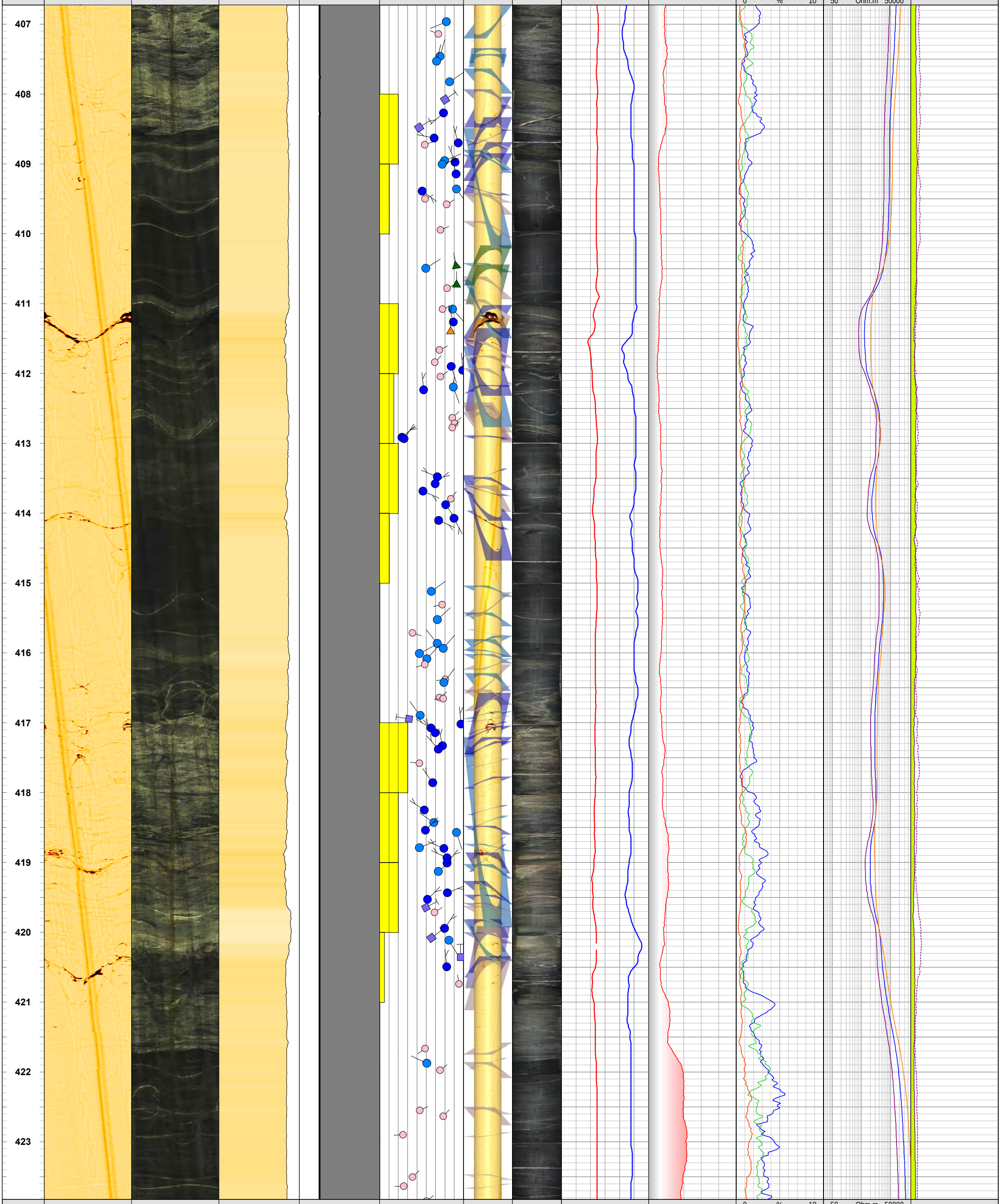
Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs		Electrical Logs	
Depth	Amplitude-HS HPF	Image-HS	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
1m:50m	500 7000	0° 90° 180° 270° 0°	0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vp		U	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
										K	N8	
										0 % 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	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
1m:50m	500 7000	0° 90° 180° 270° 0°	0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vp		U	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	
										K	N8	
										0 % 10	50 Ohm.m 50000	



Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs		Electrical Logs	
Depth	Amplitude-HS HPF	Image-HS	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
1m:50m	500 7000	0° 90° 180° 270° 0°	0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vp		U	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	
										K	N8	
										0 % 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	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
1m:50m	500 7000	0° 90° 180° 270° 0°	0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vp		U	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
										K	N8	
										0 % 10	50 Ohm.m 50000	

424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440

Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs		Electrical Logs	
Depth	Amplitude-HS HPF	Image-HS	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
1m:50m	500 7000	0° 90° 180° 270° 0°	0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vp		U	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
										K	N8	
										0 % 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	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th / U / K	N16 / N32 / N8	Ma16 / Ma64
1m:50m	500 – 7000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0 – 11000	80 mm 160	0 – 90 Freq/metre 0 counts/m 18	-0°		1000 m/s 7000 Vp 1000 m/s 7000	0 API 250	Th 0 ppm 20 U 0 ppm 10 K 0 % 10	50 Ohm.m 50000 N32 50 Ohm.m 50000 N8 50 Ohm.m 50000	0 ms 50 Ma64 0 ms 50

441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458

Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs	Electrical Logs	
Depth	Amplitude-HS HPF	Image-HS	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th / U / K	N16 / N32 / N8	Ma16 / Ma64
1m:50m	500 – 7000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0 – 11000	80 mm 160	0 – 90 Freq/metre 0 counts/m 18	-0°		1000 m/s 7000 Vp 1000 m/s 7000	0 API 250	Th 0 ppm 20 U 0 ppm 10 K 0 % 10	50 Ohm.m 50000 N32 50 Ohm.m 50000 N8 50 Ohm.m 50000	0 ms 50 Ma64 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	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
1m:50m	500 7000	0° 90° 180° 270° 0°	0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vp		U	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
										K	N8	
										0 % 10	50 Ohm.m 50000	

459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475

Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs		Electrical Logs	
Depth	Amplitude-HS HPF	Image-HS	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
1m:50m	500 7000	0° 90° 180° 270° 0°	0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vp		U	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
										K	N8	
										0 % 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	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
1m:50m	500 7000	0° 90° 180° 270° 0°	0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vp		U	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
										K	N8	
										0 % 10	50 Ohm.m 50000	

476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492

Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs		Electrical Logs	
Depth	Amplitude-HS HPF	Image-HS	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
1m:50m	500 7000	0° 90° 180° 270° 0°	0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vp		U	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
										K	N8	
										0 % 10	50 Ohm.m 50000	

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Depth	Amplitude-HS HPF	Image-HS	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
	500 7000		0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
1m:50m	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°			Freq/metre			Vp		U	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
										K	N8	
										0 % 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	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
	500 7000		0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
1m:50m	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°			Freq/metre			Vp		U	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
										K	N8	
										0 % 10	50 Ohm.m 50000	

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Depth	Amplitude-HS HPF	Image-HS	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
1m:50m	500 7000	0° 90° 180° 270° 0°	0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vp		U	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
										K	N8	
										0 % 10	50 Ohm.m 50000	

510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526

Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs		Electrical Logs	
Depth	Amplitude-HS HPF	Image-HS	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
1m:50m	500 7000	0° 90° 180° 270° 0°	0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vp		U	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
										K	N8	
										0 % 10	50 Ohm.m 50000	

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Depth	Amplitude-HS HPF	Image-HS	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
1m:50m	500 7000	0° 90° 180° 270° 0°	0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vp		U	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	
										K	N8	
										0 % 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	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
1m:50m	500 7000	0° 90° 180° 270° 0°	0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vp		U	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
										K	N8	
										0 % 10	50 Ohm.m 50000	

544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560

Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs		Electrical Logs	
Depth	Amplitude-HS HPF	Image-HS	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
1m:50m	500 7000	0° 90° 180° 270° 0°	0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vp		U	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
										K	N8	
										0 % 10	50 Ohm.m 50000	

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Depth	Amplitude-HS HPF	Image-HS	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
1m:50m	500 7000	0° 90° 180° 270° 0°	0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vp		U	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
										K	N8	
										0 % 10	50 Ohm.m 50000	

561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577

Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs		Electrical Logs	
Depth	Amplitude-HS HPF	Image-HS	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
1m:50m	500 7000	0° 90° 180° 270° 0°	0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vp		U	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
										K	N8	
										0 % 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	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
1m:50m	500 7000	0° 90° 180° 270° 0°	0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vp		U	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
										K	N8	
										0 % 10	50 Ohm.m 50000	

578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594

Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs		Electrical Logs	
Depth	Amplitude-HS HPF	Image-HS	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
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					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
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					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
										K	N8	
										0 % 10	50 Ohm.m 50000	

595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611

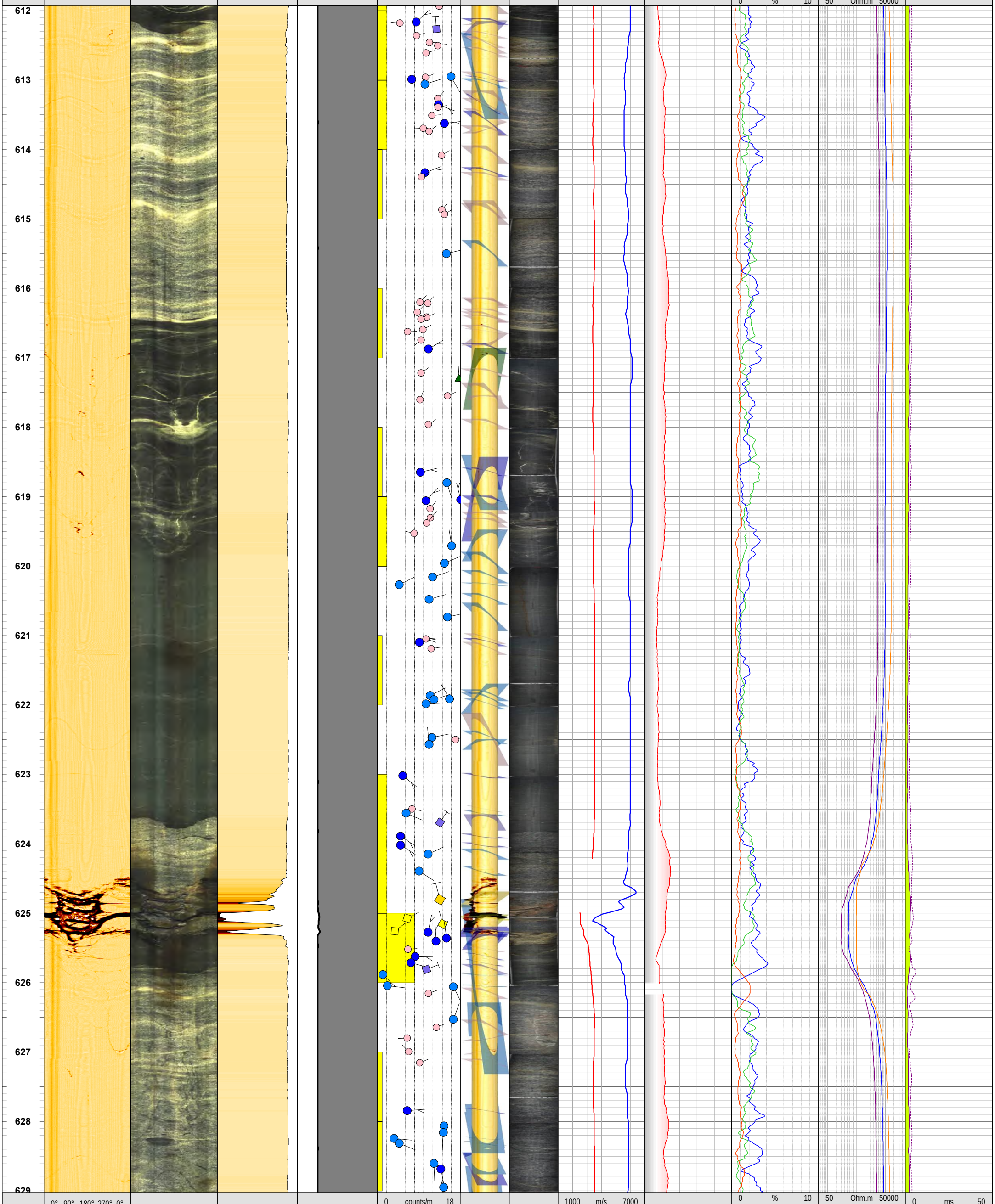
Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs		Electrical Logs	
Depth	Amplitude-HS HPF	Image-HS	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
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					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
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Depth	Amplitude-HS HPF	Image-HS	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
1m:50m	500 7000	0° 90° 180° 270° 0°	0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
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					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
										K	N8	
										0 % 10	50 Ohm.m 50000	

630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646

Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs		Electrical Logs	
Depth	Amplitude-HS HPF	Image-HS	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
1m:50m	500 7000	0° 90° 180° 270° 0°	0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
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	500 7000		0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
1m:50m	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°			Freq/metre			Vp		U	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
										K	N8	
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647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663

Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs		Electrical Logs	
Depth	Amplitude-HS HPF	Image-HS	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
	500 7000		0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
1m:50m	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°			Freq/metre			Vp		U	N32	Ma64
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664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680

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										0 % 10	50 Ohm.m 50000	

681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697

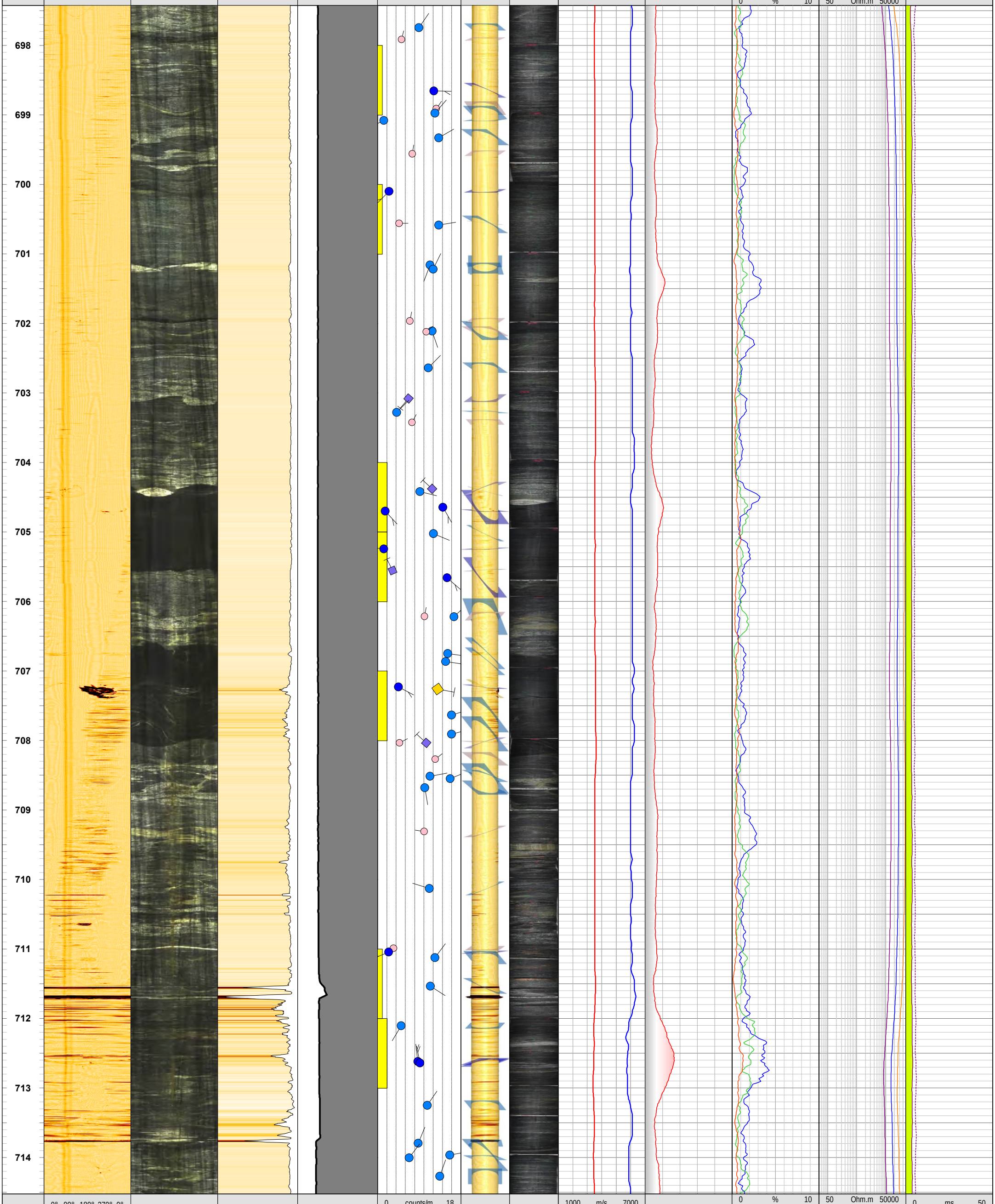
Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs		Electrical Logs	
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										0 % 10	50 Ohm.m 50000	0 ms 50

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										K	N8	
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715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731

Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs		Electrical Logs	
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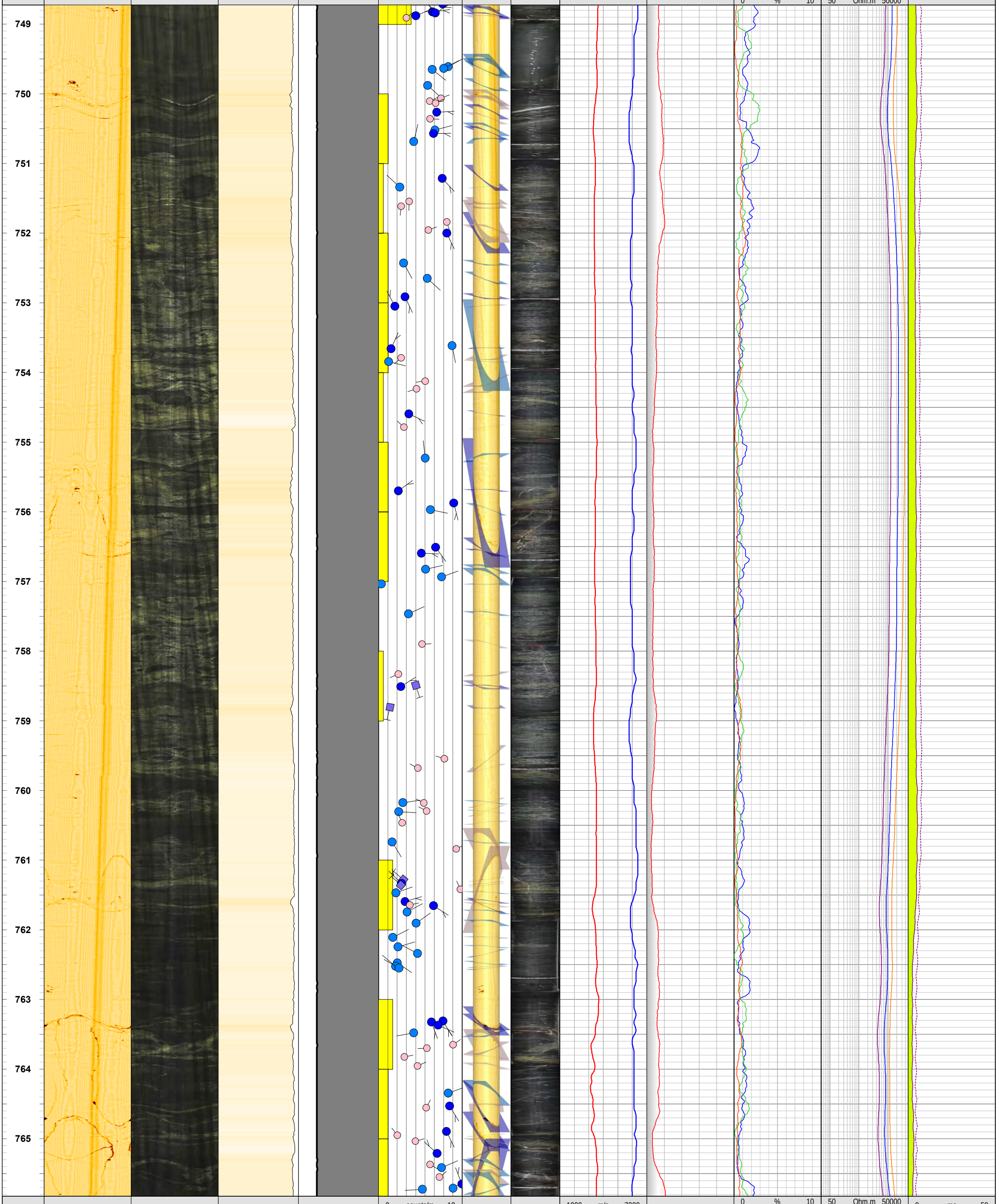
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					0 90			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
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					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
										K	N8	
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766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782

Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs		Electrical Logs	
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					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
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783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800

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1m:50m	0° 90° 180° 270° 0° 500 7000	0° 90° 180° 270° 0°	0 11000	80 mm 160	0 counts/m 18 Freq/metre 0 90	-0°		1000 m/s 7000 Vp 1000 m/s 7000	0 API 250	0 % 10 K 0 ppm 10 U 0 ppm 20	50 Ohm.m 50000 N8 50 Ohm.m 50000 N32 50 Ohm.m 50000	0 ms 50 Ma64 0 ms 50
										Th	N16	Ma16
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801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817

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Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs		Electrical Logs	
Depth	Amplitude-HS HPF	Image-HS	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
1m:50m	500 7000	0° 90° 180° 270° 0°	0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vp		U	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
										K	N8	
										0 % 10	50 Ohm.m 50000	

818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834

Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs		Electrical Logs	
Depth	Amplitude-HS HPF	Image-HS	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
1m:50m	500 7000	0° 90° 180° 270° 0°	0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vp		U	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
										K	N8	
										0 % 10	50 Ohm.m 50000	

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Depth	Amplitude-HS HPF	Image-HS	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
1m:50m	500 7000	0° 90° 180° 270° 0°	0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vp		U	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
										K	N8	
										0 % 10	50 Ohm.m 50000	

835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851

Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs		Electrical Logs	
Depth	Amplitude-HS HPF	Image-HS	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
1m:50m	500 7000	0° 90° 180° 270° 0°	0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vp		U	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
										K	N8	
										0 % 10	50 Ohm.m 50000	

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Depth	Amplitude-HS HPF	Image-HS	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
	500 7000		0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
1m:50m	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°			Freq/metre			Vp		U	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
										K	N8	
										0 % 10	50 Ohm.m 50000	

852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868

Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs		Electrical Logs	
Depth	Amplitude-HS HPF	Image-HS	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
	500 7000		0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
1m:50m	0° 90° 180° 270° 0°	0° 90° 180° 270° 0°			Freq/metre			Vp		U	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
										K	N8	
										0 % 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	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
1m:50m	500 7000	0° 90° 180° 270° 0°	0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vp		U	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
										K	N8	
										0 % 10	50 Ohm.m 50000	

869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885

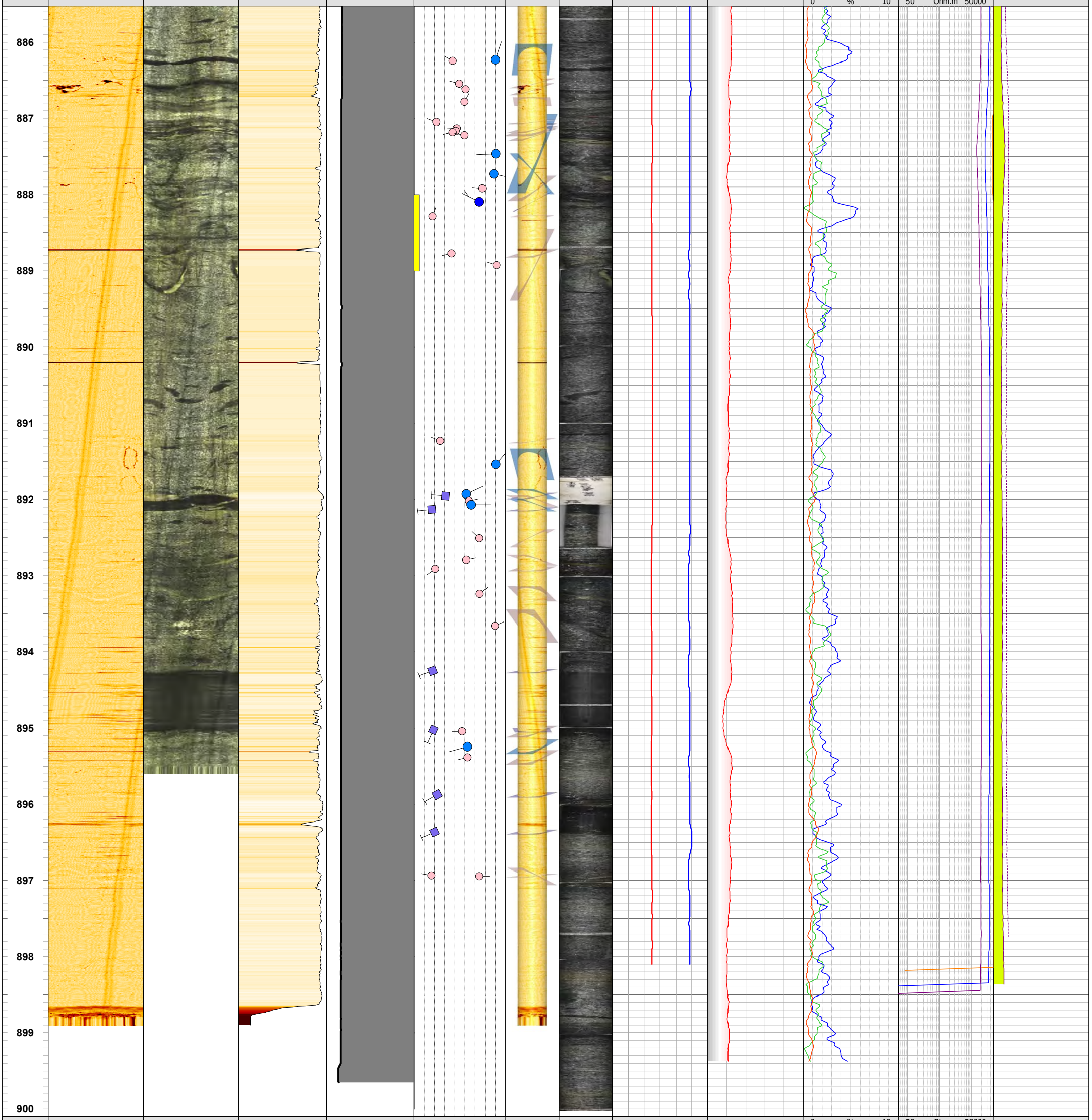
Depth	Image Logs			Calliper	Structural Logs			Sonic Logs	Gamma Logs		Electrical Logs	
Depth	Amplitude-HS HPF	Image-HS	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th	N16	Ma16
1m:50m	500 7000	0° 90° 180° 270° 0°	0 11000	80 mm 160	0 90	-0°		1000 m/s 7000	0 API 250	0 ppm 20	50 Ohm.m 50000	0 ms 50
	0° 90° 180° 270° 0°				Freq/metre			Vp		U	N32	Ma64
					0 counts/m 18			1000 m/s 7000		0 ppm 10	50 Ohm.m 50000	0 ms 50
										K	N8	
										0 % 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	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th / U / K	N16 / N32 / N8	Ma16 / Ma64
1m:50m	500 – 7000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0 – 11000	80 mm 160	0 – 90 Freq/metre 0 counts/m 18	-0°		1000 m/s 7000 Vp 1000 m/s 7000	0 API 250	Th 0 ppm 20 U 0 ppm 10 K 0 % 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	Reflectivity	CAL	Structures - TN	3D ATV	Core	Vs	GR	Th / U / K	N16 / N32 / N8	Ma16 / Ma64
1m:50m	500 – 7000 0° 90° 180° 270° 0°	0° 90° 180° 270° 0°	0 – 11000	80 mm 160	0 – 90 Freq/metre 0 counts/m 18	-0°		1000 m/s 7000 Vp 1000 m/s 7000	0 API 250	Th 0 ppm 20 U 0 ppm 10 K 0 % 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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