

Gold potential of the Roraima Supergroup in Guyana

by

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Mineralium Deposita

Online supplementary material Appendices A1 – A10



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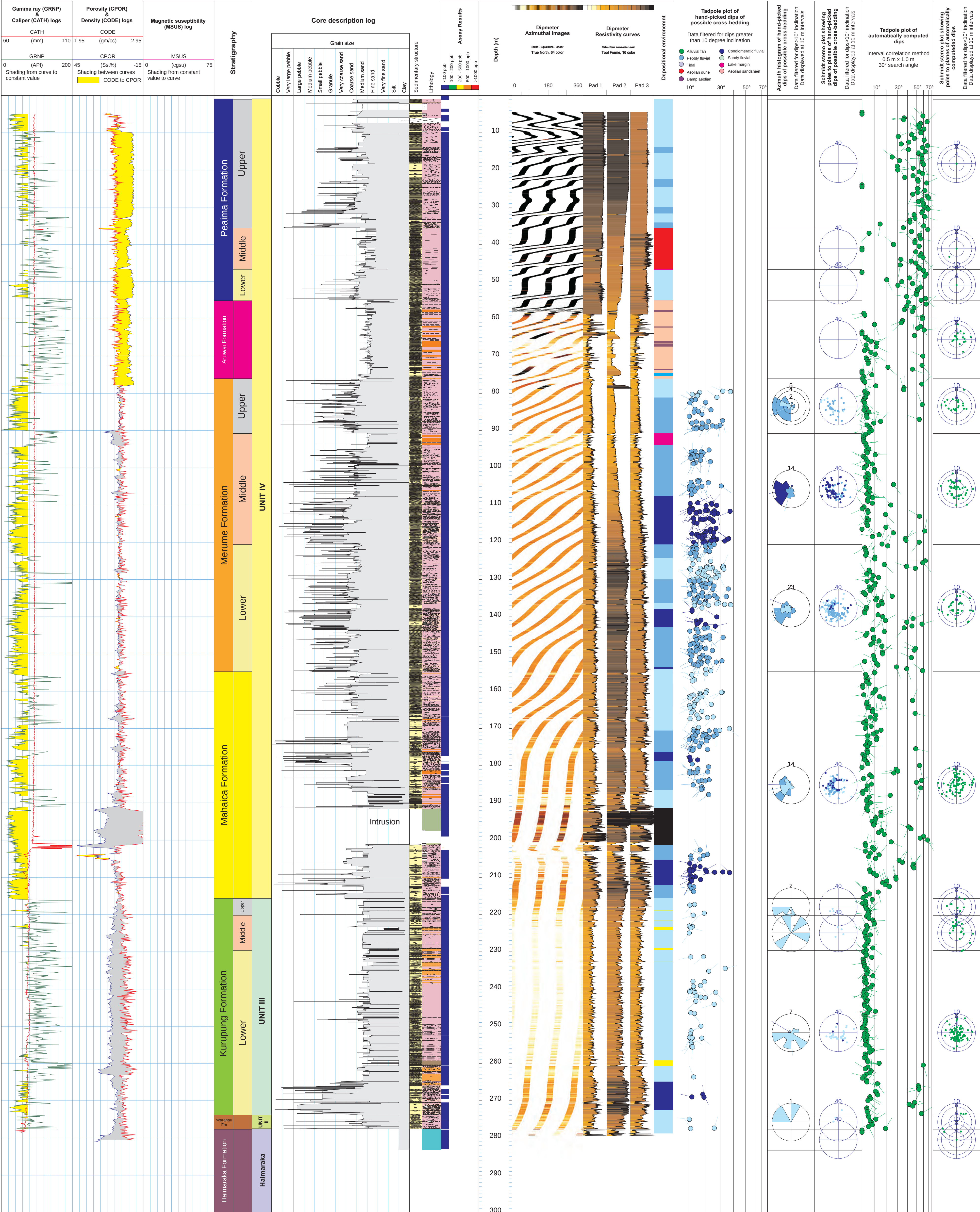
Enclosure

Guyana
Roraima Formation
Borehole 23NE1A

Sedimentological Summary

Scale 1:500

- Depositional Environment
- Alluvial fan
 - Conglomeratic bed load fluvial system
 - Pebbly sandstone bed load fluvial system
 - Sandy bed load fluvial system
 - Tidally influenced fluvial system
 - Aeolian dune
 - Aeolian sandsheet
 - Aeolian interdune/damp sandflat
 - Lake margin - mixed aeolian, lacustrine and fluvial
 - Lacustrine



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Guyana
Roraima Formation
Borehole 23NE2

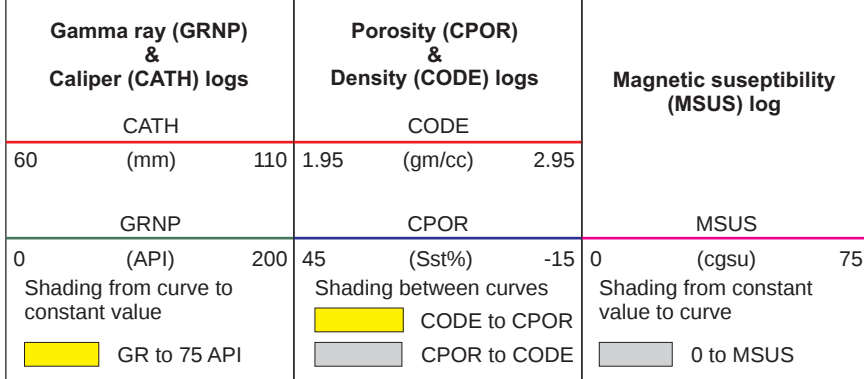
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Sedimentological Summary

Scale 1:500

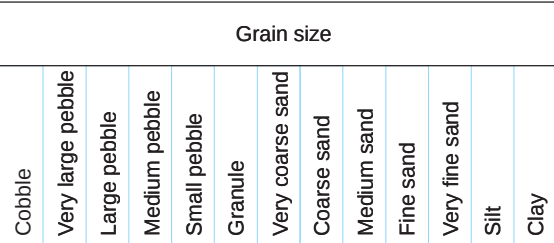
Depositional Environment

- Alluvial fan
- Conglomeratic bed load fluvial system
- Pebbly sandstone bed load fluvial system
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Stratigraphy

Core description log

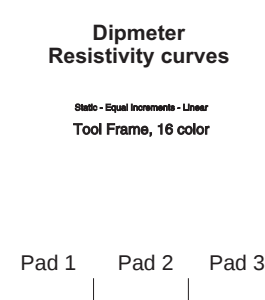
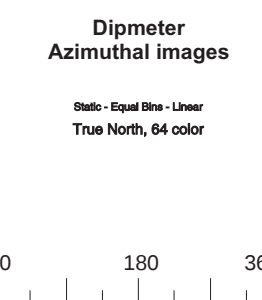


Sedimentary structure

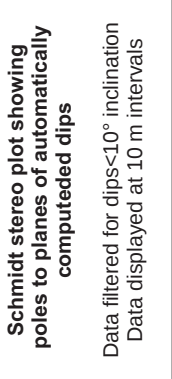
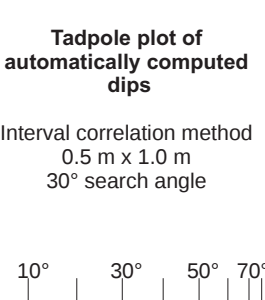
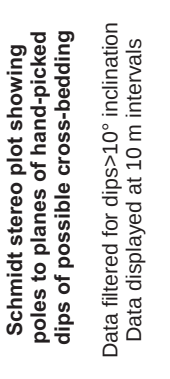
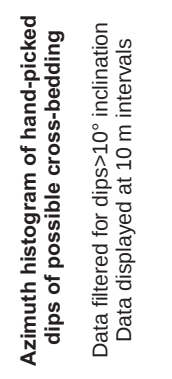
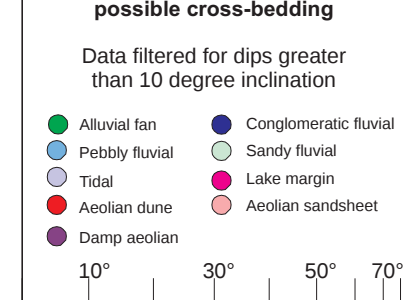
Lithology

Assay Results

Depth (m)



Depositional environment





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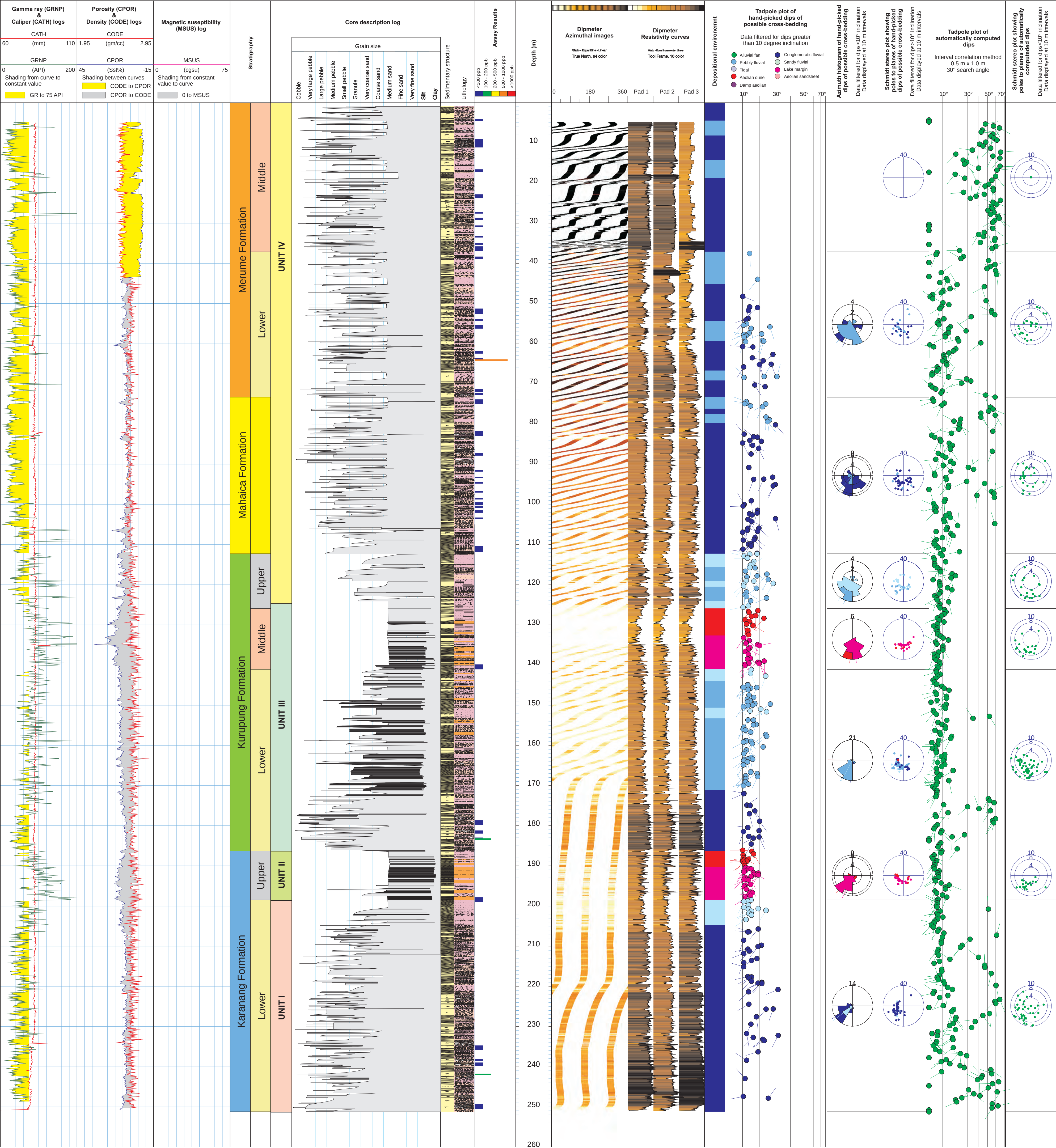
Guyana
Roraima Formation
Borehole 24SW1

Sedimentological Summary

Scale 1:500

Depositional Environment

- Alluvial fan - conglomeratic
- Alluvial fan - sandy
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- Sandy bed load fluvial system
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- Aeolian sandsheet
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- Lacustrine





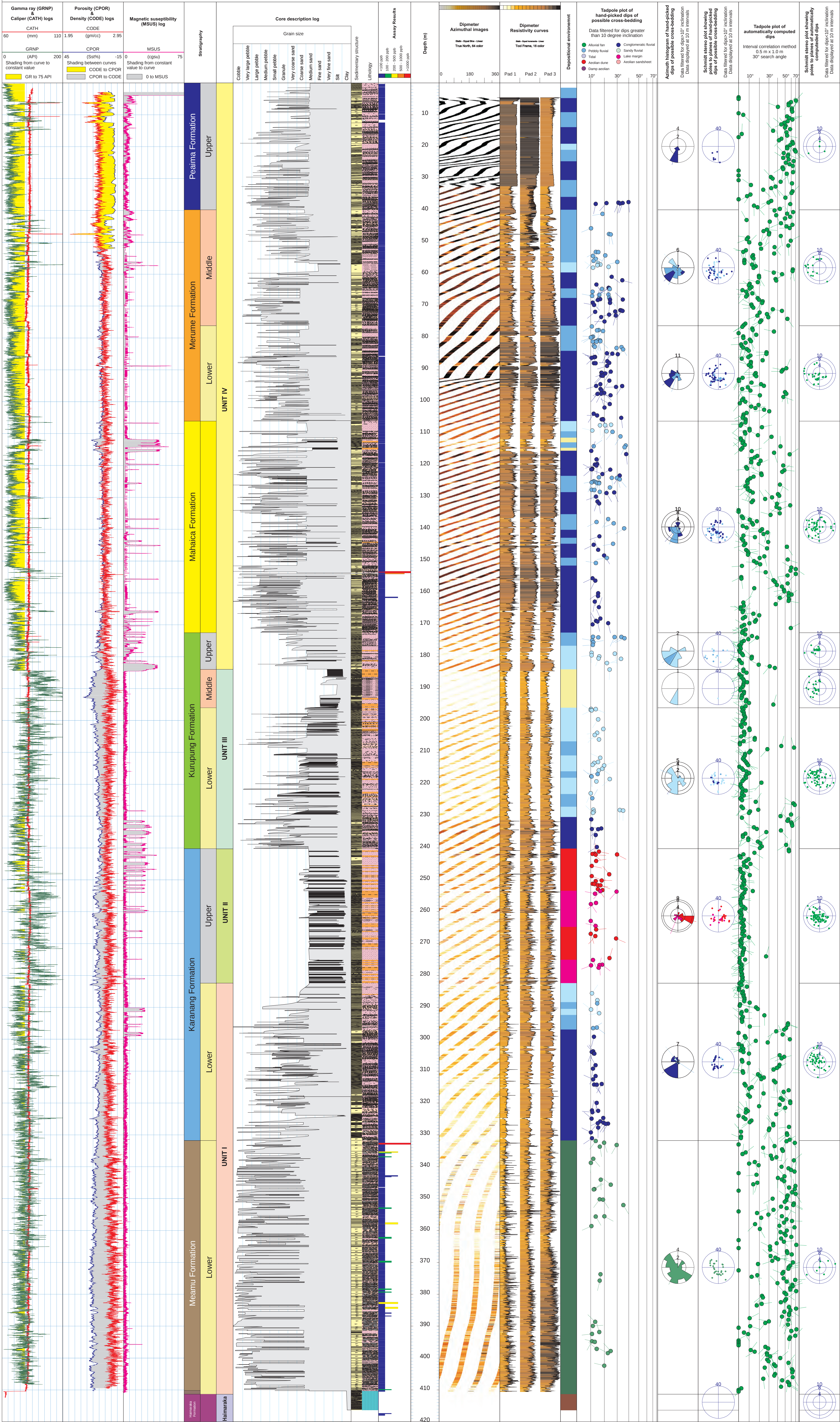
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Guyana
Roraima Formation
Borehole 24SW2

Sedimentological Summary

Scale 1:500



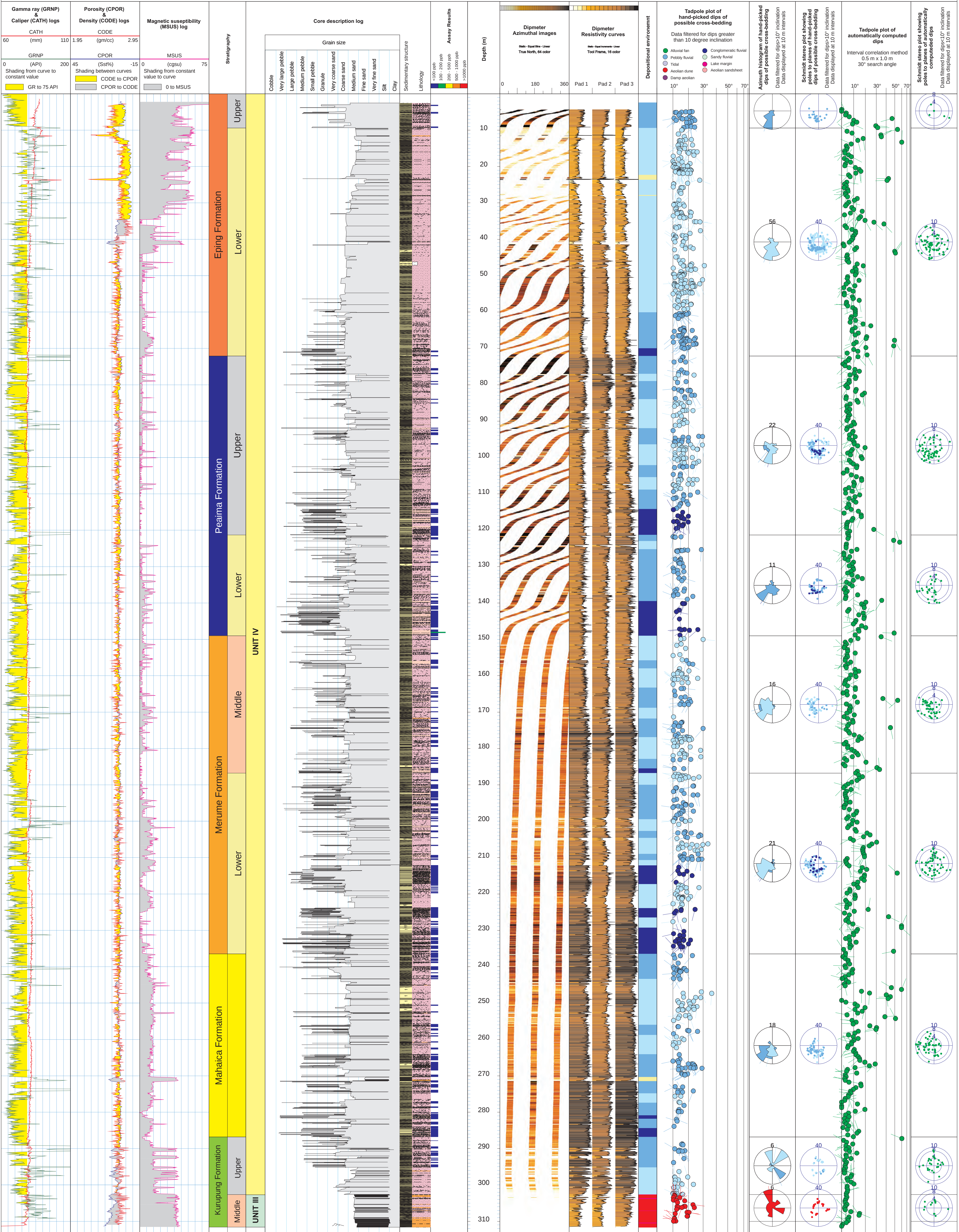


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Guyana Roraima Formation Borehole 24SW3

Sedimentological Summary

Scale 1:500

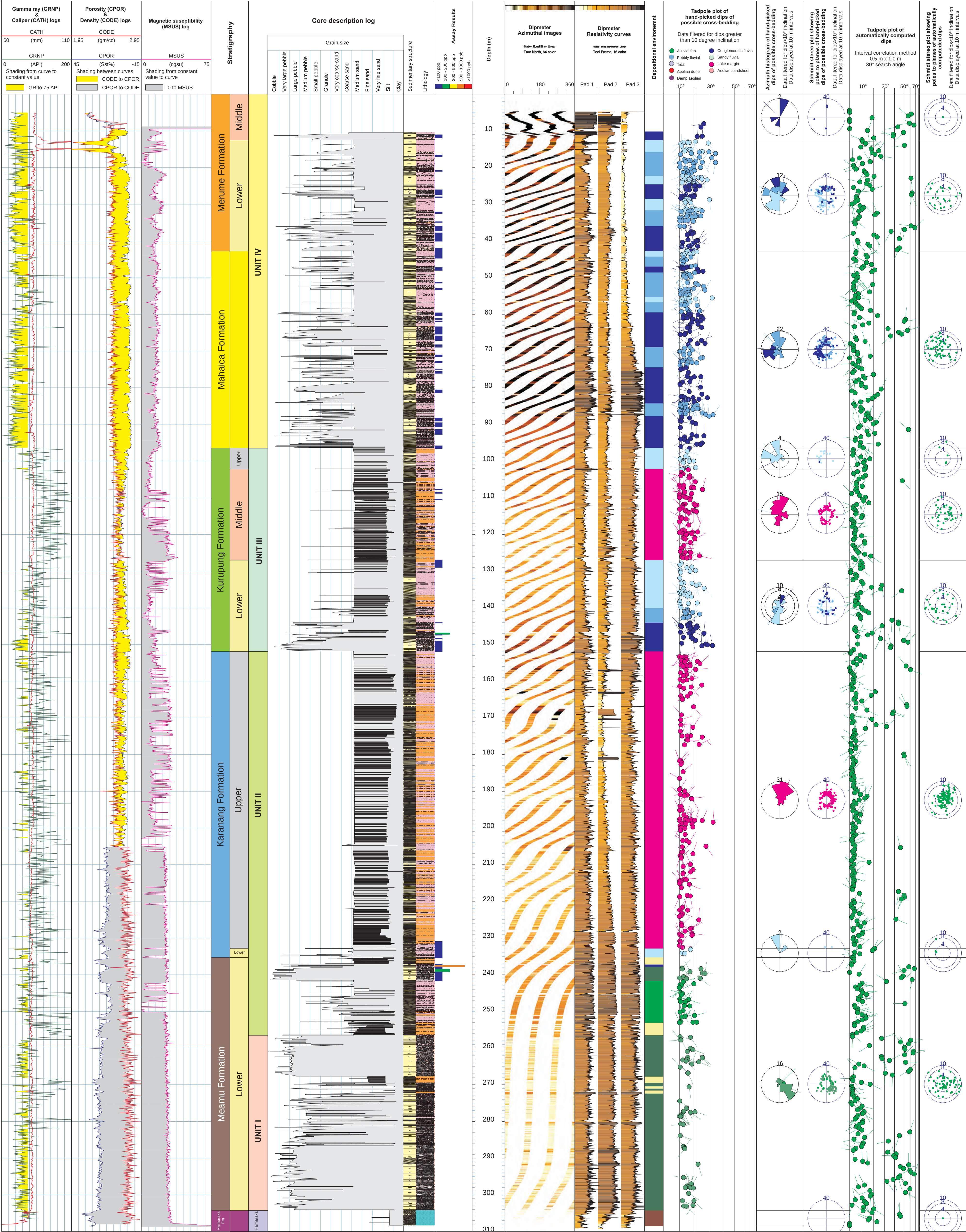




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Sedimentological Summary

Scale 1:500





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Guyana
Roraima Group
Borehole

Sedimentological Summary

Scale 1:500

Depositional Environment

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Gamma ray (GRNP) & Caliper (CATH) logs		Porosity (CPOR) & Density (CODE) logs		Magnetic suseptibility (MSUS) log		Stratigraphy	Core description log										Assay Results		Depth (m)	Dipmeter Azimuthal images			Dipmeter Resistivity curves			Depositional environment	Tadpole plot of hand-picked dips of possible cross-bedding		Azimuth histogram of hand-picked dips of possible cross-bedding		Schmidt stereo plot showing poles to planes of hand-picked dips of possible cross-bedding		Tadpole plot of automatically computed dips		Schmidt stereo plot showing poles to planes of automatically computed dips																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
CATH	CODE	CPOR	MSUS	Grain size										<100 µm	100 - 200 µm	200 - 500 µm	500 - 1000 µm	>1000 µm		Shells - Equal Area - Linear	Tool Frame, 16 color	Data filtered for dips greater than 10 degree inclination		Data filtered for dips>10° inclination			Data filtered for dips>10° inclination		Interval correlation method 0.5 m x 1.0 m 30° search angle		Data filtered for dips>10° inclination																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
60 (mm)	110	1.95 (gm/cc)	2.95	0 (cgsu)	75		Cobble	Very large pebble	Large pebble	Medium pebble	Small pebble	Granule	Very coarse sand	Coarse sand	Medium sand	Fine sand	Very fine sand	Silt	Clay	Sedimentary structure	Lithology	0	180	360	Pad 1		Pad 2	Pad 3	10°	30°	50°	70°	0	180	360	Pad 1	Pad 2	Pad 3	10°	30°	50°	70°																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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No dipmeter data



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Sedimentological Summary

Scale 1:500

