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Table S1: Facies and facies association scheme with example pictures from the outcrops. Note, scale applies to the full width of the picture.

Facies Association	Example	Facies	Scale	Sedimentary structures	Composition	Interpret.
Hemipelagic and Muddy contourites	20 cm	F1. Blue marlstone	cm to 100's m scale	Structureless and gradational with sand-rich laminae	Fossil rich (mainly bivalves) marls with up to very fine -grained siliciclastic and bioclastic sand	Hemipelagit es and contourite drift deposits
	20 cm	F2. Brownish sandy marlstone	cm to m scale	Gradational to sharp with planar and undulatory laminae	Fossil rich (mainly bivalves) marls with fine-grained siliciclastic and up to coarse-grained bioclastic sand	Fine grained contourites
Sandy contourites	5 m	F3. Planar bi- gradational sandstones	1 cm to 15 cm	Planar beds of successive normal and inverse-grading	Fine-grained mixed siliciclastic and bioclastic sand enriched in sand-sized pellets of reworked mudstone and glauconite	Sandy contourites
	3 m	F4. Cross- stratified sandstones	15 cm up to 1 m	Tabular low- to high-angle cross-stratified beds. Fluid- escape struct. in proximity to F6	Fine- to coarse-grained mixed silici- and bio- clastic (dom. Bivalve and echinoderm fragments) sandstones.	2D contourite dunes
	5 m	F5. Trough- cross stratified sandstones	50 cm up to 4 m	Trough cross- stratified beds with tangential foreset laminae	Mixed, medium to very coarse-grained silici- and bio-clastic sand. Bioclasts dominantly consist of bivalve and echinoderm fragments	3D contourite dunes
Gravitational deposits	3 m	F6. Heterolithic convolute sandstones	1 m up to 5 m	Convolute and contorted bed- sets with fluid escape structures	Fine to coarse-grained mixed siliciclastic and bioclastic sand. Beds are generally up to 10 cm thick	Slump deposits
		F7. Normal graded compound sandstone beds	5 cm up to 40 cm	Normal graded tabular beds with occasional basal scour erosive surfaces and ripples	Fine to coarse grained mixed siliciclastic and bioclastic sand with muddy rip-up clasts	Turbidites
	5 ms	F8. Monomictic conglomerat es	Up to 2 m	Concave up basal surfaces with clast to matrix- supported conglomerates	Poorly sorted, rounded and disc shaped arenitic cobbles and boulders in a silty sand matrix	Debris-flow deposits

Note: Scale applies to width of view