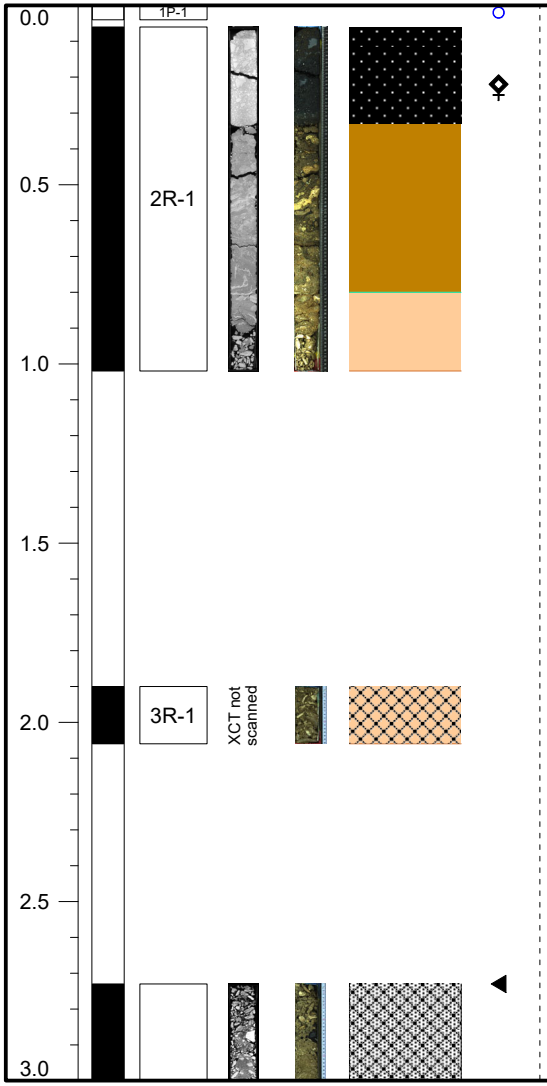
IODP Expedition 389 VCD
Site: M0101A

Hole M0101A

Region: Kohala
Water Depth: 931.9 m



Grain size	Fossils	Taphonomy	Color	Visual core description
			N1;10YR 2/2	Fragmented brecciated Basalt. Breccia is angular, and poorly sorted (Hyaloclastite?)..
	Coralline algae;Porites-laminar;Porites-foliaceous;Bivalve	encrustation - multilayered;bioerosion	N7;10YR 5/4	Laminar and foliaceous corals. Corals are bored, matrix infill made of brownish medium to coarse size biodetrital. Gastropods, bivalves, and possible LBF are present. Minor volcanoclastic sand size fraction with some volcanic granules also present.. Major minerals: aragonite;calcite
	Coralline algae;Porites-foliaceous;Porites-undetermined			Mostly foliaceous Porites corals within the grainy matrix. Corals are bored, matrix infill made of brownish medium to coarse size biodetrital. Gastropods and bivalves present. . Major minerals: aragonite;calcite
	Coralline algae;Coral-foliaceous;Leptoseris-undetermined	bioerosion	N7;10YR 5/4	Laminar and foliaceous corals. Corals are bored, matrix infill made of brownish medium to coarse size biodetrital. Gastropods and bivalves. Minor volcanoclastic sand size fraction with some volcanic granules also present. . Major minerals: aragonite;calcite;clay minerals
	Coralline algae;Gastropod;Coral-f	bioerosion;encrustation - multilayered	N7;10YR 5/4	Fall in Material - laminar and foliaceous corals Corals are bored Matrix infill, made of brownish medium to coarse sand, + basalt clast..

VCD legend

Core recovery
- Core recovered
- No recovery
- Wash bore
- High disturbance

Facies
- FRW-CorAlgBound
- FRW-CorAlgMicrobBound
- FRW-MicrobAlgBound
- FRW-MicrobBound
- FRW-AlgBound
- RDST/FLST-Rhodoliths
- DET-Consolidated
- DET-Unconsolidated
- Mixed-carb/vol
- VOL-Clast
- VOL-Basalt
- FALL

IODP Samples
- Dating
- GEOCHEM
- IWRH
- MAD/PW
- PMAG

IODP Expedition 389 VCD
Site: M0101A

Hole M0101A

Region: Kohala
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Depth (mbsf)	Core recovery	Curated sections	XCT scan image	Line scan image	Facies	IODP samples	Grain size	Fossils	Taphonomy	Color	Visual core description
3.0		4R-1						oliaceous			Major minerals: aragonite;calcite;clay minerals
										N3	CCA + coral fragments in a brown to grey gst matrix. Gastropod, bivalves, LBF, and volcaniclastic fraction.. Major minerals: aragonite;calcite
3.5											
4.0											
4.5											
		5R-1	XCT not scanned							N7;10YR 5/4	High core disturbance. Reworked, brecciated material, possibly with re-coring marks on some debris, at the top of the core
5.0										N3	Brecciated material clasts of laminar and foliaceous corals, some encusted by thin CCA Corals are bored
											Clasts of Matrix, made of brownish clayey medium to coarse sandstone, partly biodetrital. . Major minerals: aragonite;calcite
5.5											Dark grey clasts may be microbialite. Some are encrusted by CCA thin crusts within biodetrital + volcanoclastic matrix.. Major minerals: aragonite;calcite
		6R-1	XCT not scanned			◀		Coralline algae;Coral-laminar;Echinoderm	encrustation - multilayered	N3	High core disturbance Dark grey clasts, may be microbialite. Some encrusted by CCA thin crusts Some clasts of laminar corals + biodetrital to volcanoclastic sediments. . Major minerals: aragonite;calcite
6.0								Coral-laminar			Highly disturbed, brecciated material. Drilling disturbance. Dark grey

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Site: M0101A

Hole M0101A

Region: Kohala
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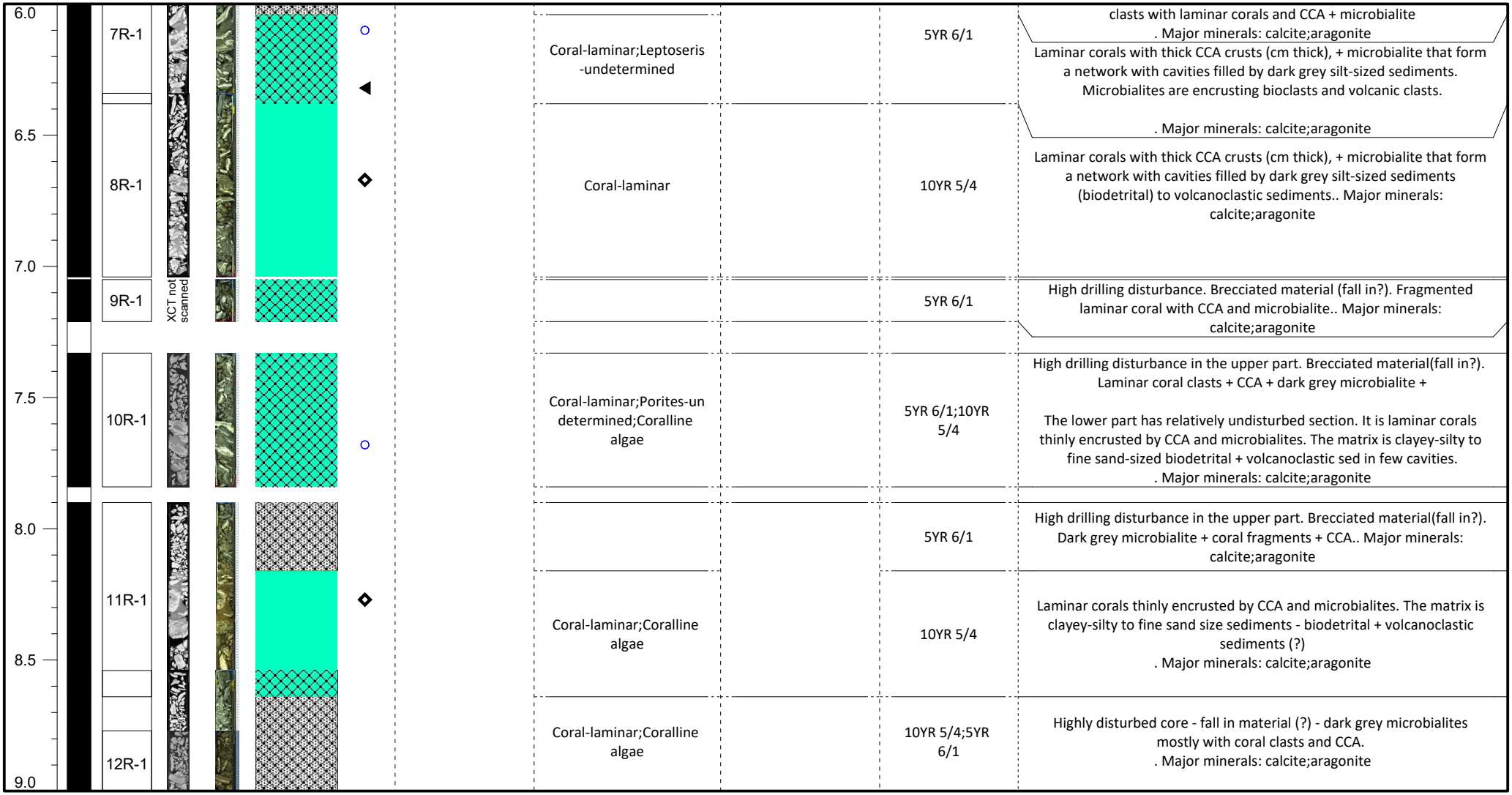

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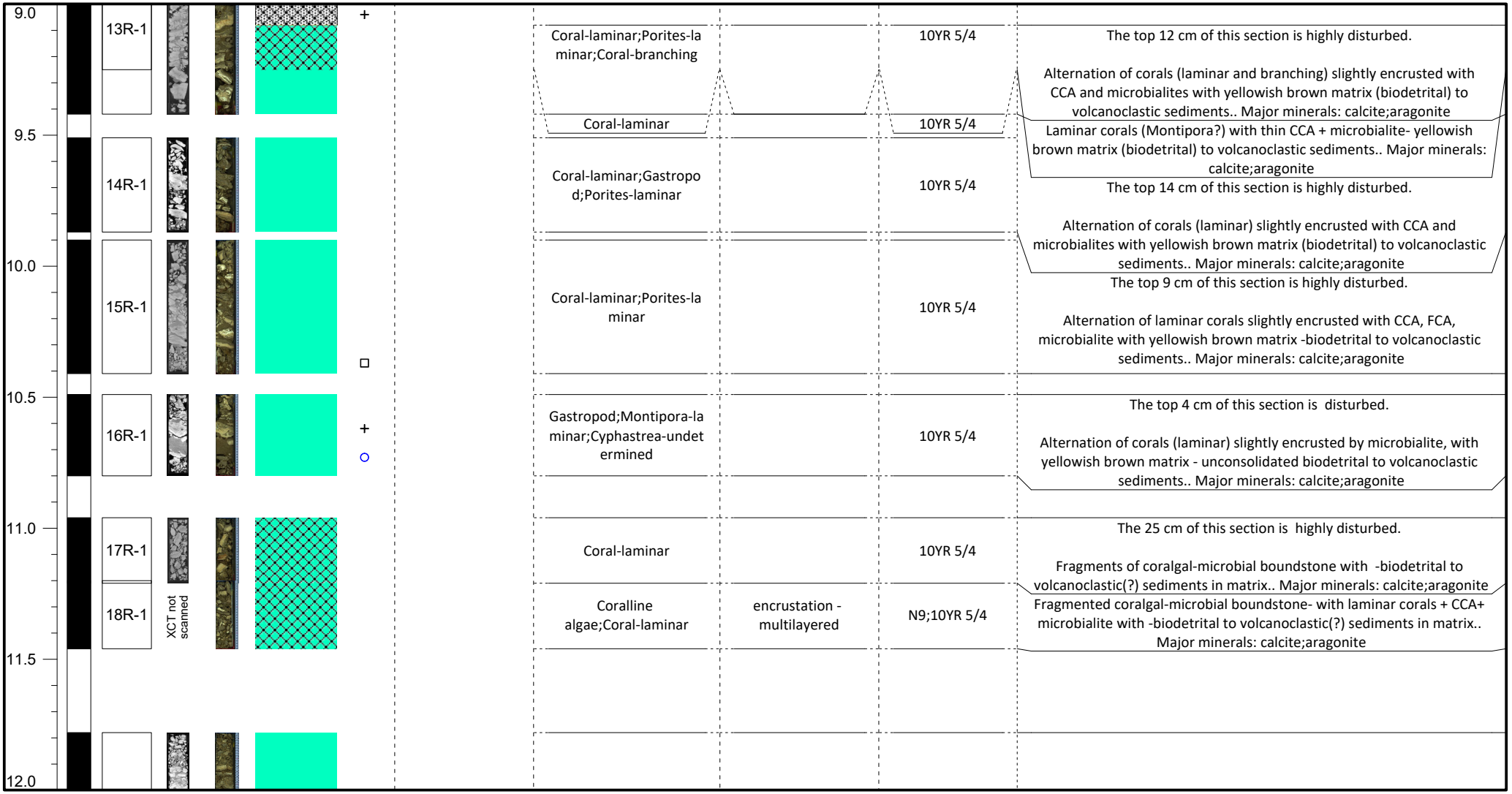

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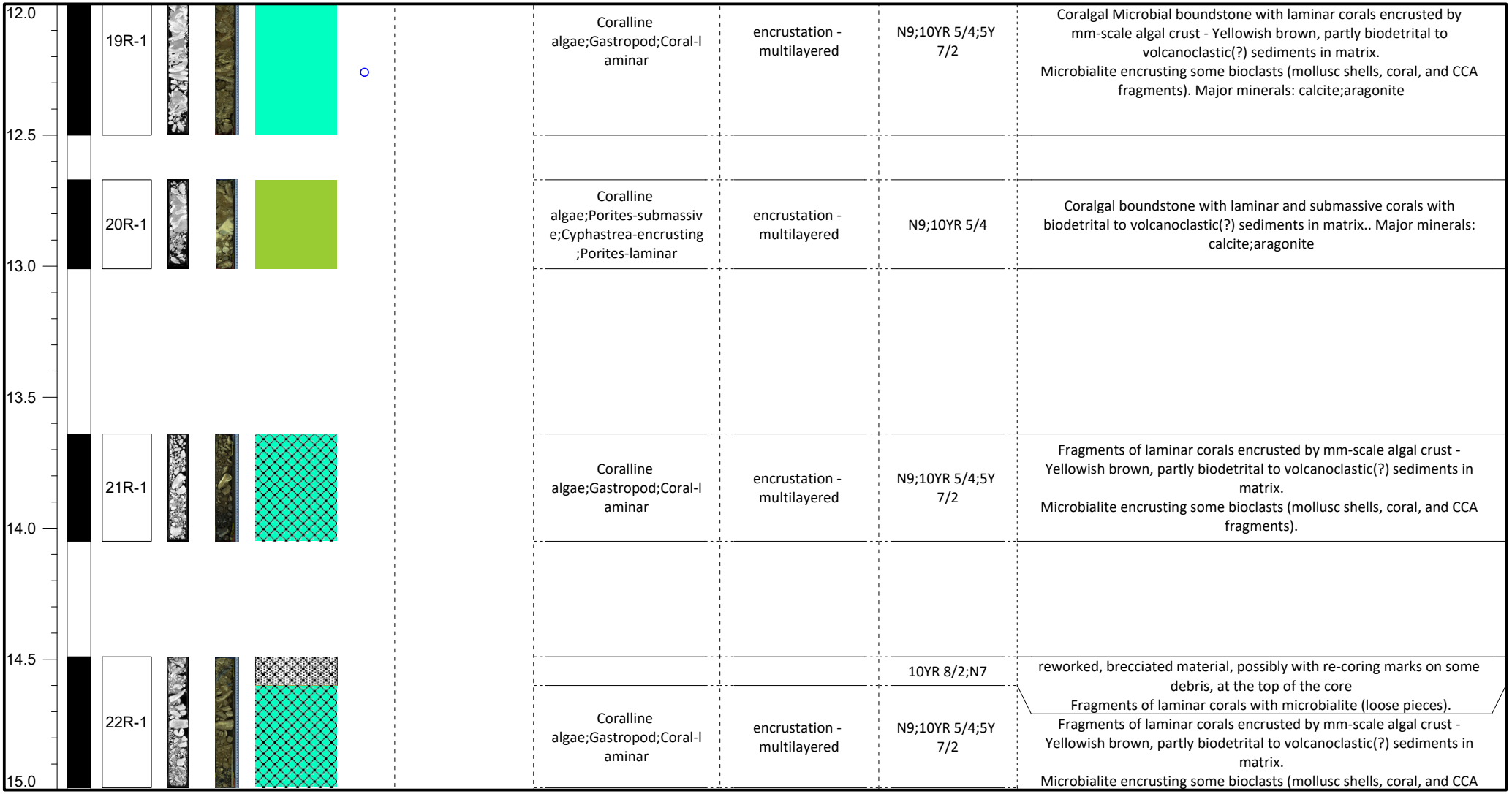

Depth (mbsf)	Core recovery	Curated sections	XCT scan image	Line scan image	Facies	IODP samples	Grain size	Fossils	Taphonomy	Color	Visual core description
12.0		19R-1						Coralline algae;Gastropod;Coral-laminar	encrustation - multilayered	N9;10YR 5/4;5Y 7/2	Coralgal Microbial boundstone with laminar corals encrusted by mm-scale algal crust - Yellowish brown, partly biodetrital to volcanoclastic(?) sediments in matrix. Microbialite encrusting some bioclasts (mollusc shells, coral, and CCA fragments). Major minerals: calcite;aragonite
12.5											
		20R-1						Coralline algae;Porites-submassive;Cyphastrea-encrusting;Porites-laminar	encrustation - multilayered	N9;10YR 5/4	Coralgal boundstone with laminar and submassive corals with biodetrital to volcanoclastic(?) sediments in matrix.. Major minerals: calcite;aragonite
13.0											
13.5											
		21R-1						Coralline algae;Gastropod;Coral-laminar	encrustation - multilayered	N9;10YR 5/4;5Y 7/2	Fragments of laminar corals encrusted by mm-scale algal crust - Yellowish brown, partly biodetrital to volcanoclastic(?) sediments in matrix. Microbialite encrusting some bioclasts (mollusc shells, coral, and CCA fragments).
14.0											
14.5										10YR 8/2;N7	reworked, brecciated material, possibly with re-coring marks on some debris, at the top of the core
		22R-1									Fragments of laminar corals with microbialite (loose pieces).
								Coralline algae;Gastropod;Coral-laminar	encrustation - multilayered	N9;10YR 5/4;5Y 7/2	Fragments of laminar corals encrusted by mm-scale algal crust - Yellowish brown, partly biodetrital to volcanoclastic(?) sediments in matrix. Microbialite encrusting some bioclasts (mollusc shells, coral, and CCA
15.0											

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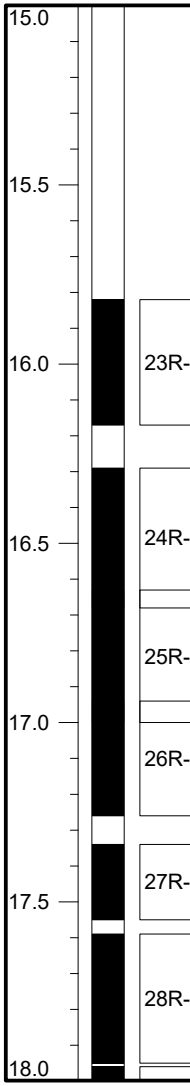

Grain size	Fossils	Taphonomy	Color	Visual core description
				fragments).
	Coralline algae;Gastropod;Coral-laminar;Montipora-laminar;Porites-laminar	encrustation - multilayered	N9;10YR 5/4;5Y 7/2	Fragments of laminar corals encrusted by mm-scale algal crust - Yellowish brown, partly biodetrital to volcanoclastic(?) sediments in matrix. .
	Coralline algae;Gastropod;Coral-laminar;Porites-laminar;Cyphastrea-undetermined	encrustation - multilayered	N9;10YR 5/4;5Y 7/2	Fragments of laminar corals encrusted by mm-scale algal crust - Yellowish brown, partly biodetrital to volcanoclastic(?) sediments in matrix. .
	Coralline algae;Gastropod;Coral-laminar;Echinoderm	encrustation - multilayered	N9;10YR 5/4;5Y 7/2	Fragments of laminar corals encrusted by mm-scale algal crust - Yellowish brown, partly biodetrital to volcanoclastic(?) sediments in matrix. .
	Coralline algae;Gastropod;Coral-laminar;Cyphastrea-undetermined	encrustation - multilayered	N9;10YR 5/4;5Y 7/2	Fragments of laminar corals encrusted by mm-scale algal crust - Yellowish brown, partly biodetrital to volcanoclastic(?) sediments in matrix. .
	Coralline algae;Gastropod;Coral-laminar	encrustation - multilayered	N9;10YR 5/4;5Y 7/2	Fragments of laminar corals encrusted by mm-scale algal crust - Yellowish brown, partly biodetrital to volcanoclastic(?) sediments in matrix. .
	Coralline algae;Gastropod;Coral-laminar;Porites-branching;Porites-laminar	encrustation - multilayered	N9;10YR 5/4;5Y 7/2	Fragments of laminar corals encrusted by mm-scale algal crust - Yellowish brown, partly biodetrital to volcanoclastic(?) sediments in matrix. .

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Hole M0101A

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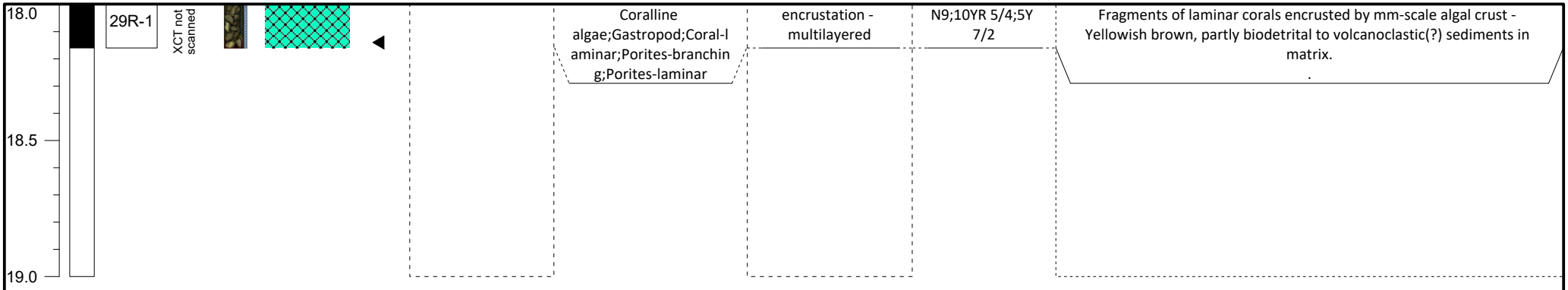
Water Depth: 931.9 m



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- MAD/PW
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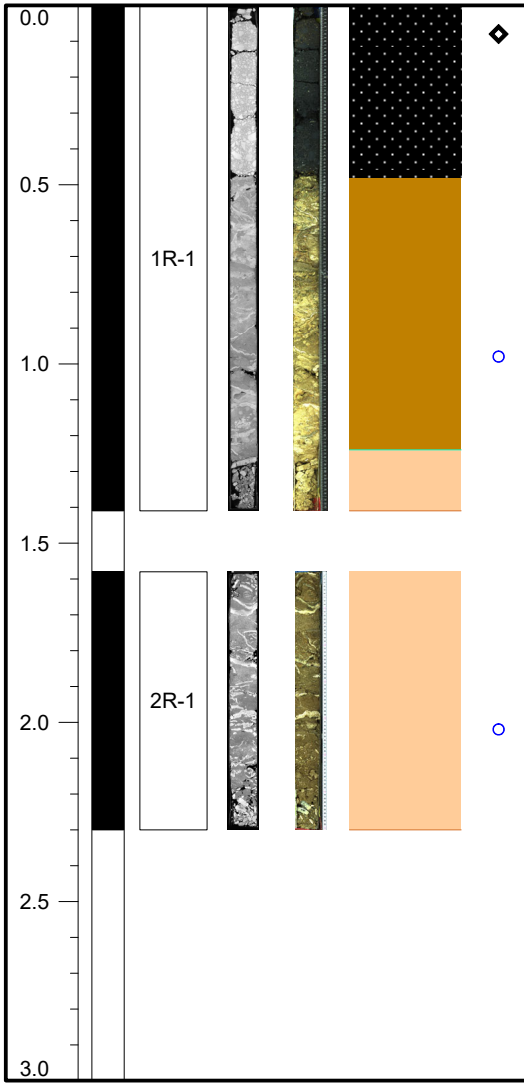
IODP Expedition 389 VCD
Site: M0101B

Hole M0101B

Region: Kohala
Water Depth: 932.0 m



Grain size	Fossils	Taphonomy	Color	Visual core description
			N1;10YR 2/2	Fragmented brecciated Basalt. Breccia is angular, and poorly sorted (Hyaloclastite?) Angular basalt clasts, granule to gravel size in a black to brown aphanitic matrix.
	Coralline algae;Porites-laminar;Porites-foliaceous;Bivalve;Gastropod;Foraminifera	encrustation - multilayered;bioerosion	N7;10YR 5/4	Consolidated biodetrital with laminar to foliaceous corals (Corals are bored). Matrix infill made of brownish medium to coarse size biodetrital. Gastropods, bivalves, and possible LBF are present. Minor volcanoclastic sand size fraction with some volcanic granules also present..
				Unconsolidated biodetrital with laminar to foliaceous corals (Corals are bored). Matrix infill made of brownish medium to coarse size biodetrital. Gastropods, bivalves, and possible LBF are present. Minor volcanoclastic sand size fraction with some volcanic granules also present..
	Coralline algae;Porites-laminar;Porites-foliaceous;Bivalve;Gastropod;Foraminifera	encrustation - multilayered;bioerosion	N7;10YR 5/4	Unconsolidated biodetrital with laminar to foliaceous corals (Corals are bored). Matrix infill made of brownish medium to coarse size biodetrital. Gastropods, bivalves, and possible LBF are present. Minor volcanoclastic sand size fraction with some volcanic granules also present..

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IODP Samples
- Dating
- GEOCHEM
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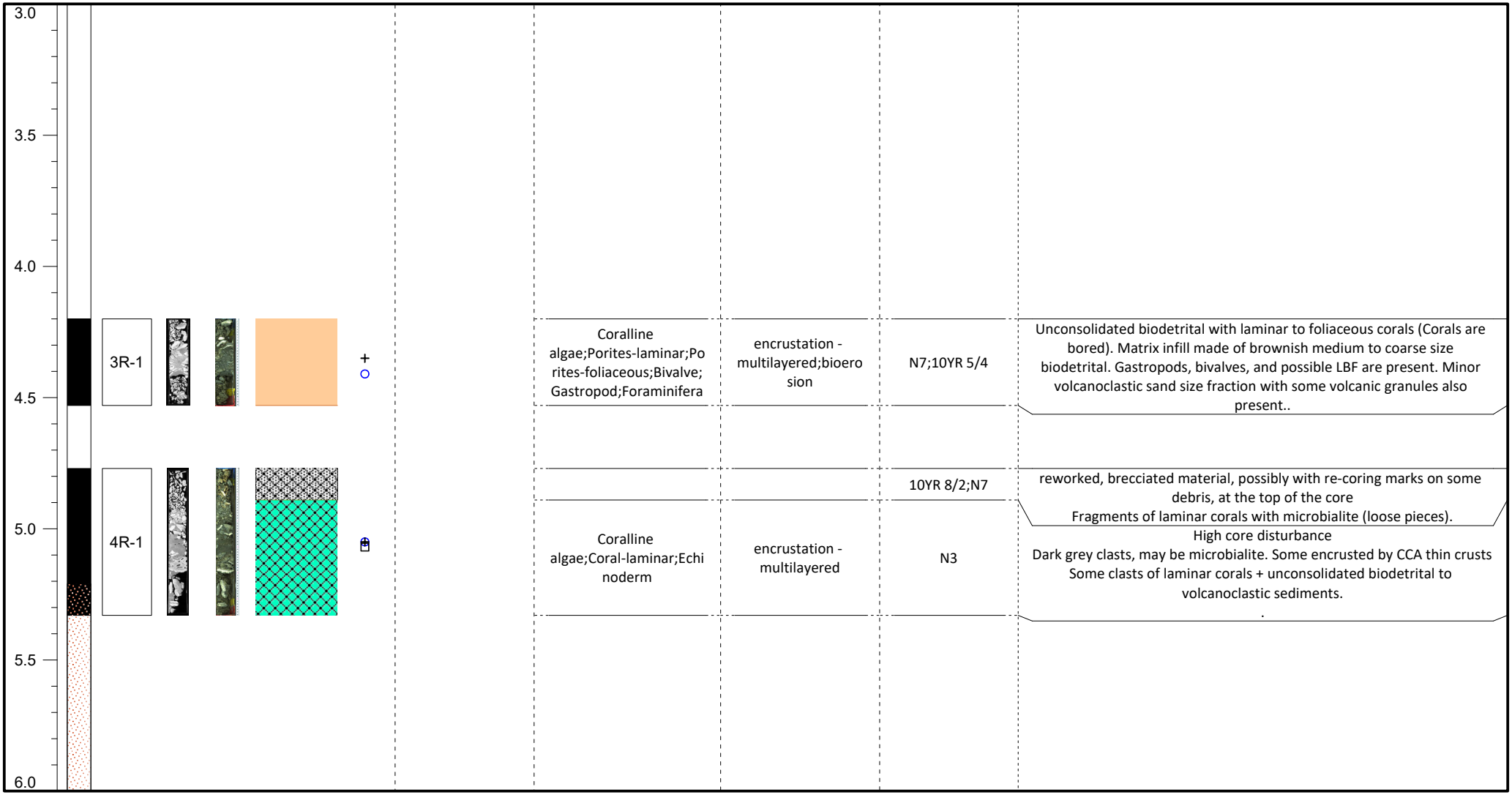
IODP Expedition 389 VCD
Site: M0101B

Hole M0101B

Region: Kohala
Water Depth: 932.0 m



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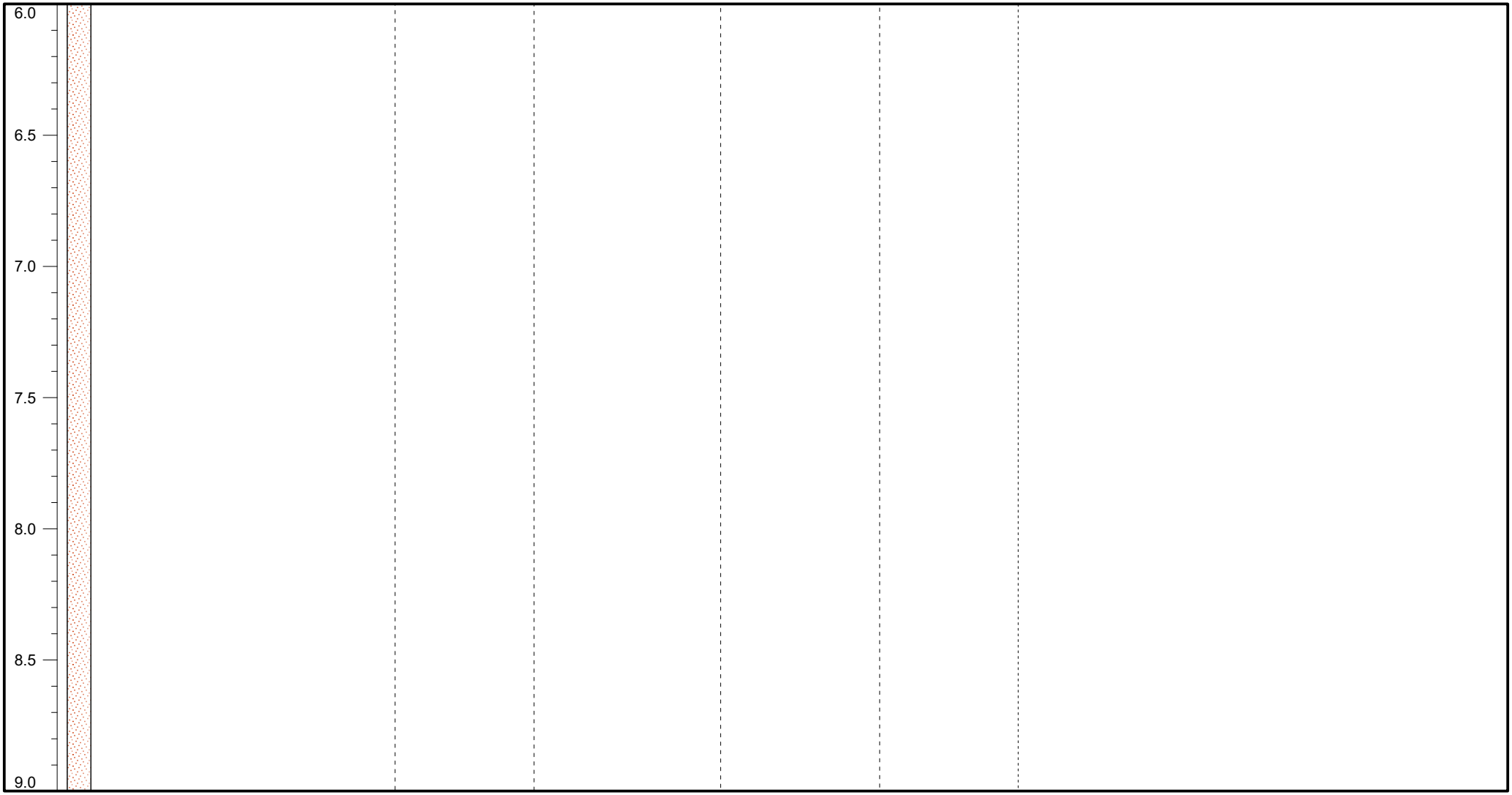

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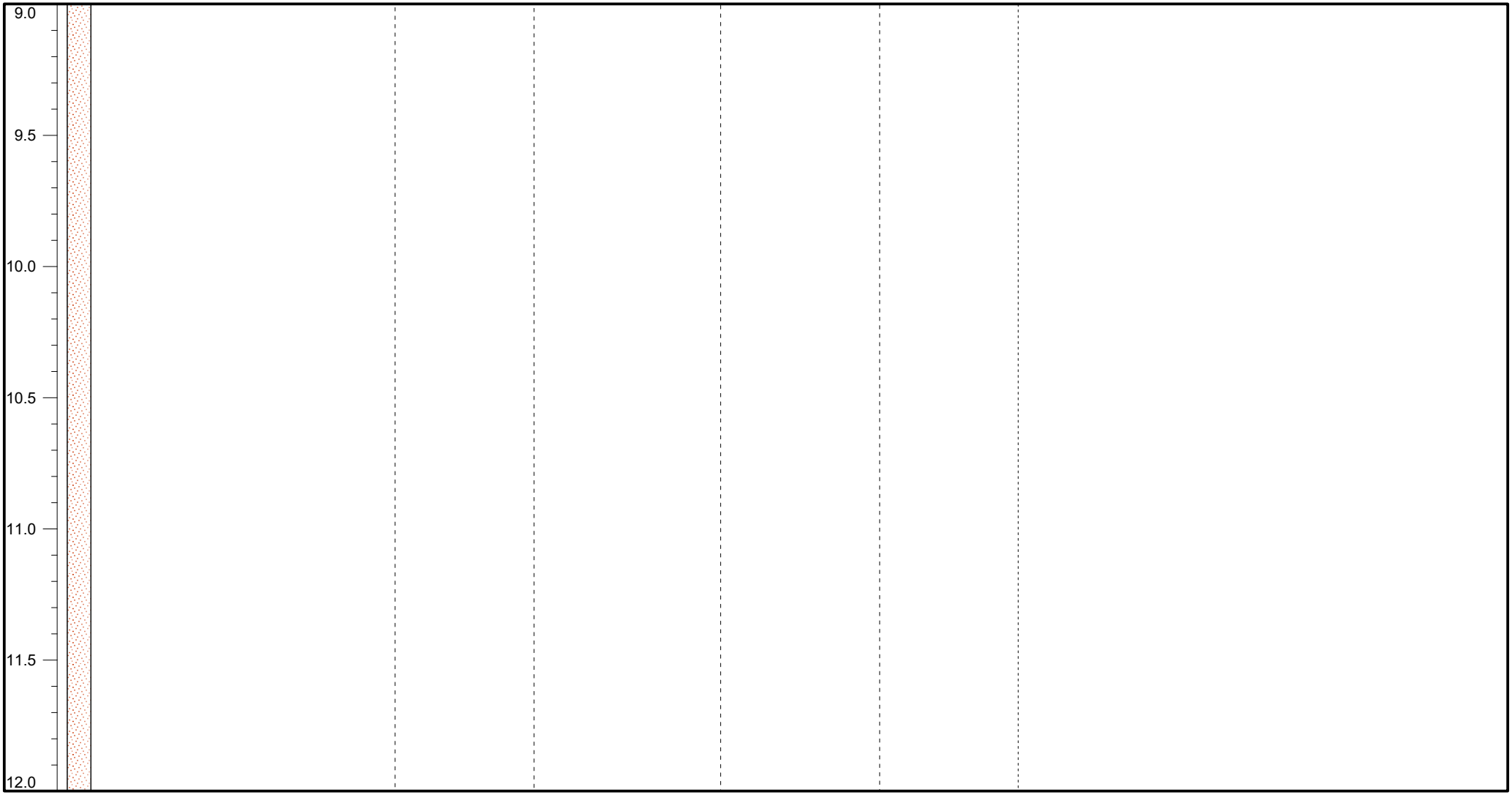

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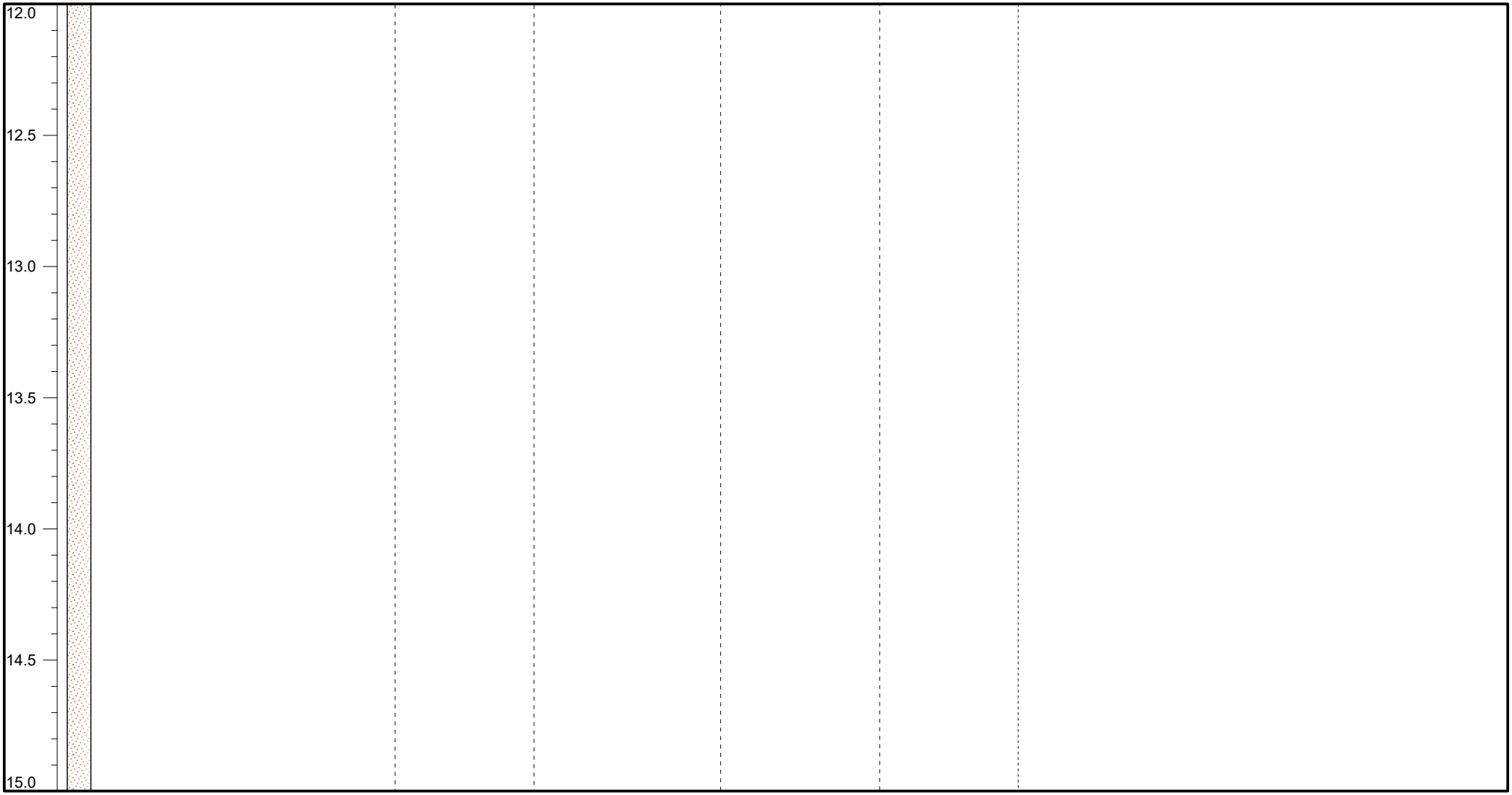

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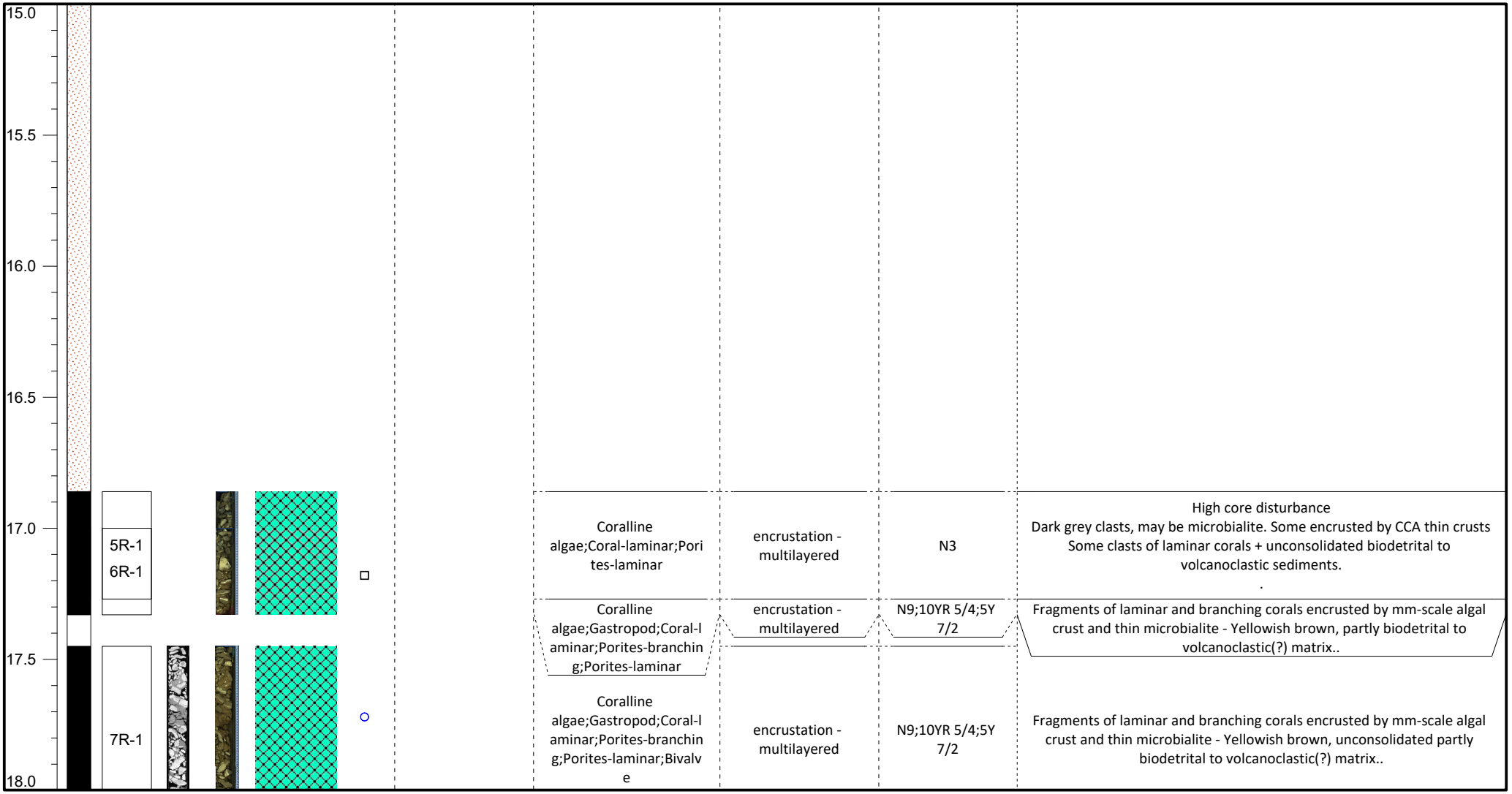

Grain size	Fossils	Taphonomy	Color	Visual core description
	Coralline algae;Coral-laminar;Porites-laminar	encrustation - multilayered	N3	High core disturbance Dark grey clasts, may be microbialite. Some encrusted by CCA thin crusts Some clasts of laminar corals + unconsolidated biodetrital to volcanoclastic sediments. .
	Coralline algae;Gastropod;Coral-laminar;Porites-branching;Porites-laminar	encrustation - multilayered	N9;10YR 5/4;5Y 7/2	Fragments of laminar and branching corals encrusted by mm-scale algal crust and thin microbialite - Yellowish brown, partly biodetrital to volcanoclastic(?) matrix..
	Coralline algae;Gastropod;Coral-laminar;Porites-branching;Porites-laminar;Bivalve	encrustation - multilayered	N9;10YR 5/4;5Y 7/2	Fragments of laminar and branching corals encrusted by mm-scale algal crust and thin microbialite - Yellowish brown, unconsolidated partly biodetrital to volcanoclastic(?) matrix..

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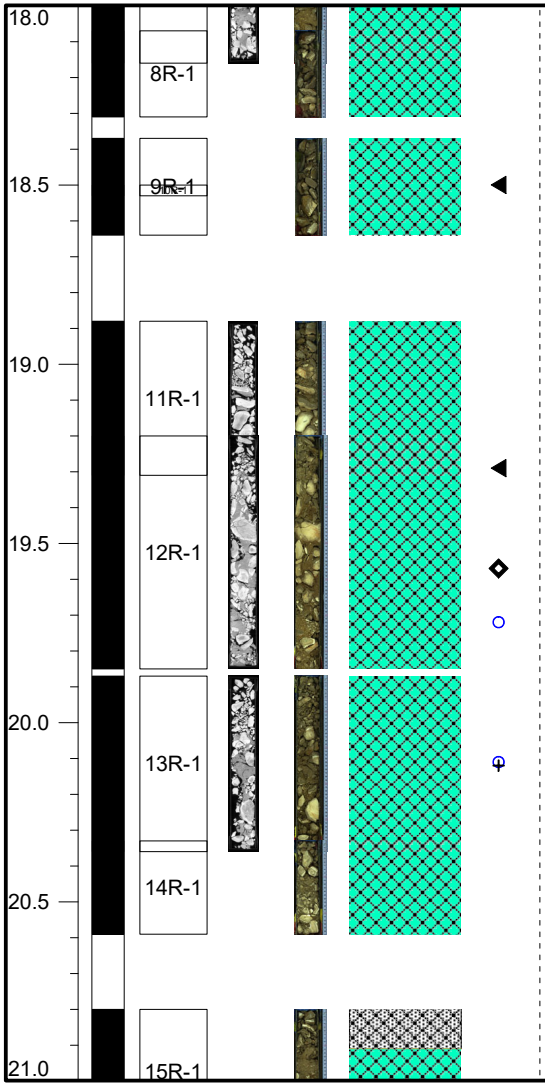

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	Coralline algae;Gastropod;Coral-laminar;Coral-undetermined;Porites-branching	encrustation - multilayered	N9;10YR 5/4;5Y 7/2	Fragments of laminar and branching corals encrusted by mm-scale algal crust and thin microbialite No matrix.
	Coralline algae;Gastropod;Coral-laminar;Coral-undetermined;Porites-branching	encrustation - multilayered	N9;10YR 5/4;5Y 7/2	Fragments of laminar and branching corals encrusted by mm-scale algal crust and thin microbialite No matrix.
	Coralline algae;Gastropod;Coral-laminar;Porites-branching;Porites-laminar;Bivalve	encrustation - multilayered	N9;10YR 5/4;5Y 7/2	Fragments of laminar and branching corals encrusted by mm-scale algal crust and thin microbialite - Yellowish brown, unconsolidated partly biodetrital to volcanoclastic(?) matrix..
	Coralline algae;Gastropod;Porites-branching;Bivalve			Abundant fragments of branching corals encrusted by mm-scale algal crust and thin microbialite - Yellowish brown, unconsolidated partly biodetrital to volcanoclastic(?) matrix..
	Coralline algae;Porites-branching;Vermetidae;Porites-encrusting;Agariciidae-undetermined;Coral-undetermined	encrustation - multilayered;bioerosion	N9;10YR 5/4;10YR 6/2;10YR 8/2	Abundant fragments of branching and encrusting Porites encrusted by mm-scale algal crusts with vermetids, and thin microbialite, structureless. Yellowish brown, unconsolidated partly biodetrital to volcanoclastic matrix..
	Coralline algae;Porites-branching;Agariciidae-undetermined	encrustation - multilayered;bioerosion	N9;10YR 5/4;10YR 6/2;10YR 8/2	Abundant fragments of branching Porites encrusted by mm-scale algal crusts and thin microbialite, structureless. Yellowish brown, unconsolidated partly biodetrital to volcanoclastic matrix..
	Coralline algae;Porites-branching;Porites-platy;Vermetidae	encrustation - multilayered;bioerosion	N9;10YR 5/4;10YR 6/2;10YR 8/2	Abundant fragments of branching Porites encrusted by mm-scale algal crusts with vermetids, and thin microbialite, structureless. Yellowish brown, unconsolidated partly biodetrital to volcanoclastic matrix..
	Coralline	encrustation - multilayered;bioero	N9;10YR 5/4;10YR	Fragments of microbialite. Abundant fragments of branching Porites encrusted by mm-scale algal

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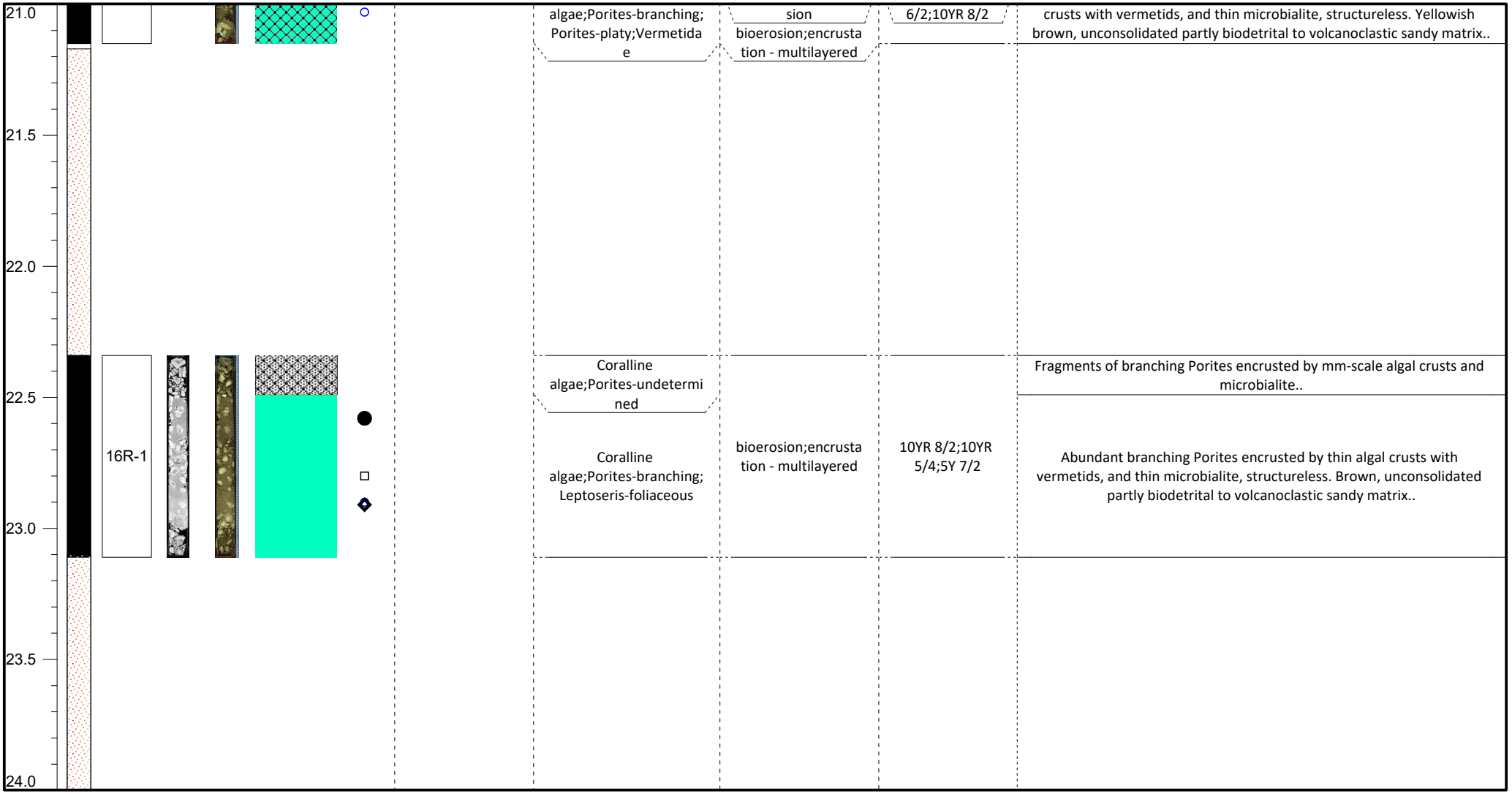
IODP Expedition 389 VCD
Site: M0101B

Hole M0101B

Region: Kohala
Water Depth: 932.0 m



VCD legend

Core recovery
- Core recovered
- No recovery
- Wash bore
- High disturbance

Facies
- FRW-CorAlgBound
- FRW-CorAlgMicrobBound
- FRW-MicrobAlgBound
- FRW-MicrobBound
- FRW-AlgBound
- RDST/FLST-Rhodoliths
- DET-Consolidated
- DET-Unconsolidated
- Mixed-carb/vol
- VOL-Clast
- VOL-Basalt
- FALL

IODP Samples
- Dating
- GEOCHEM
- IWRH
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Site: M0101B

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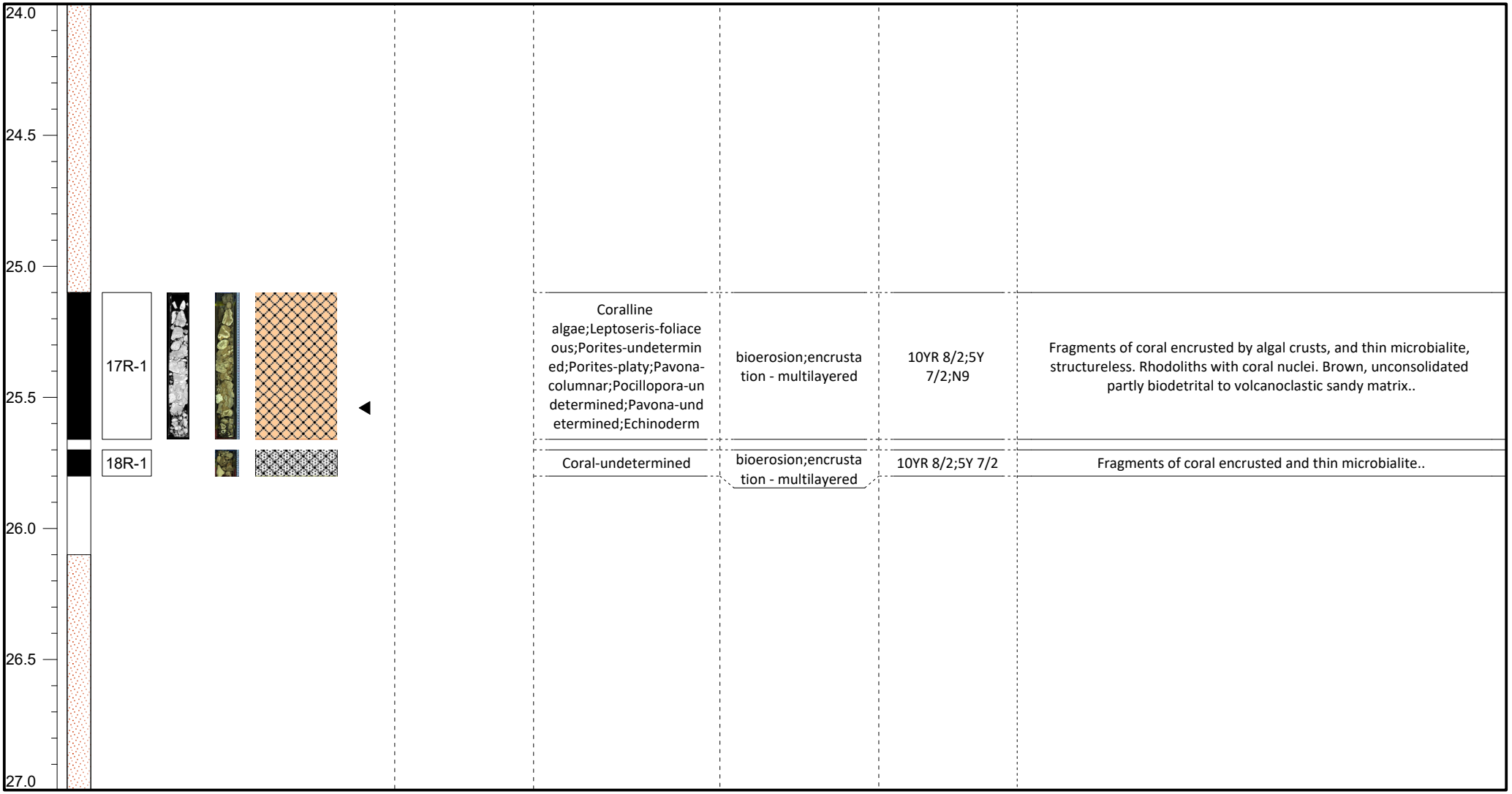

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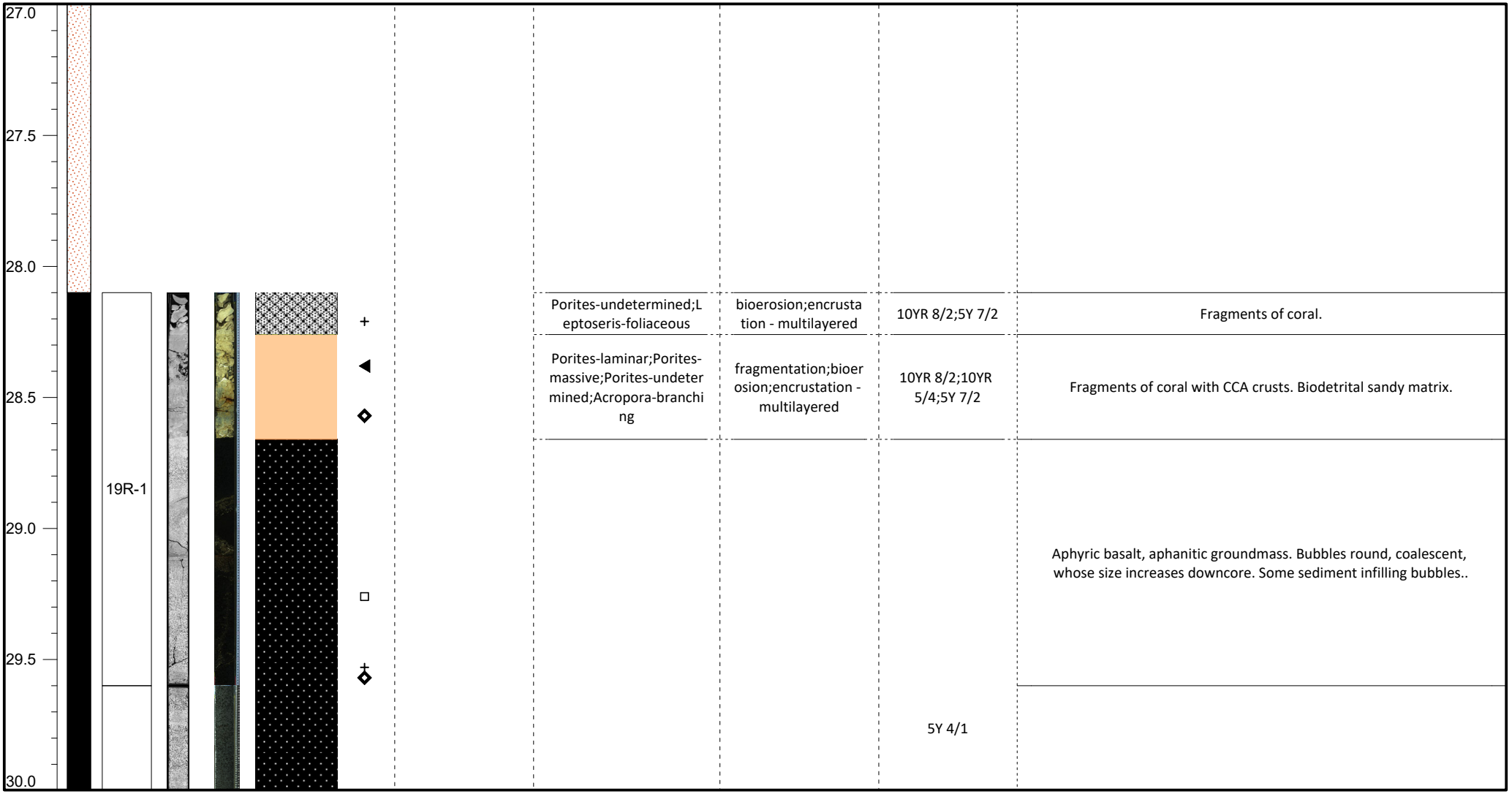

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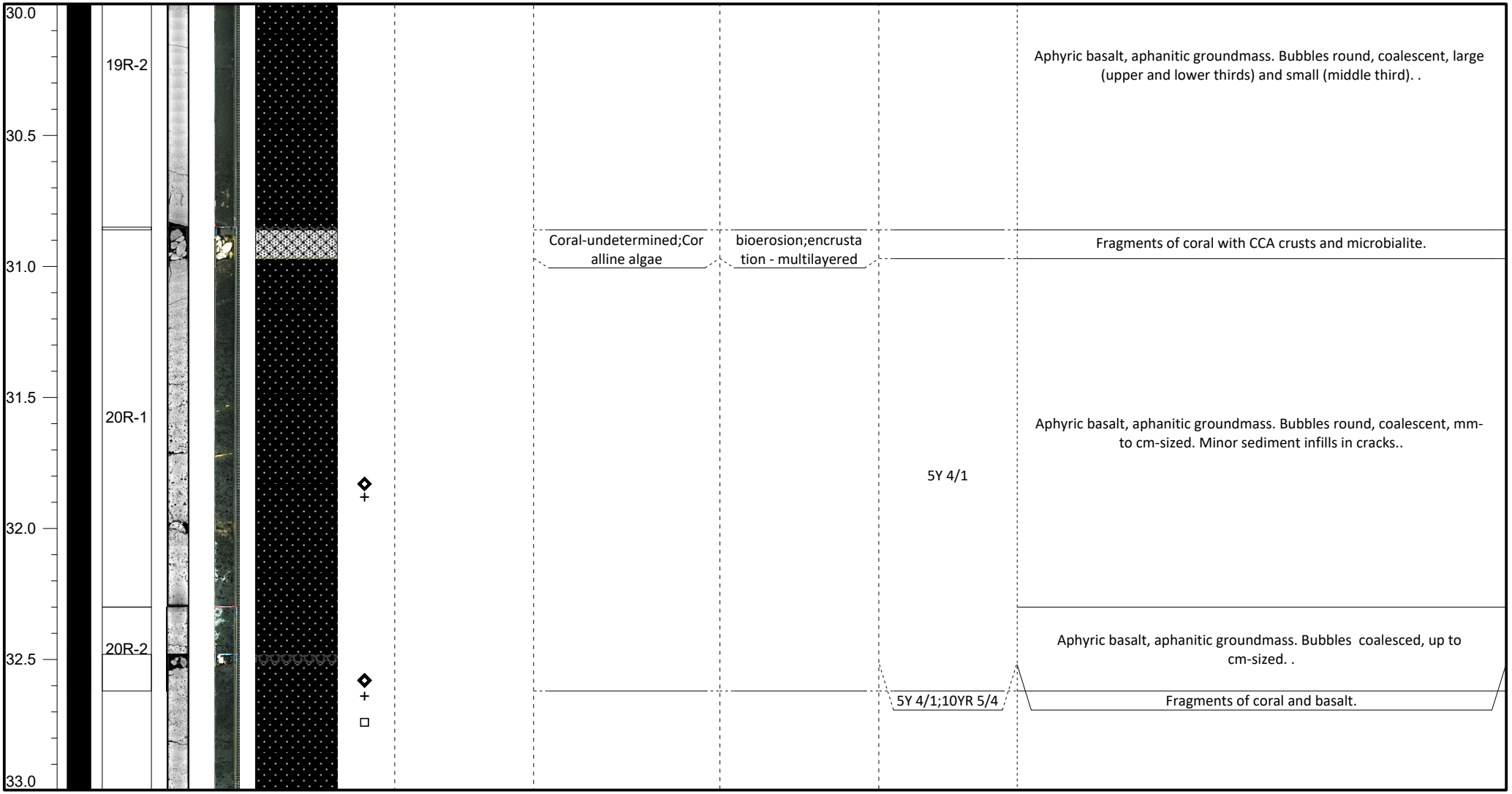

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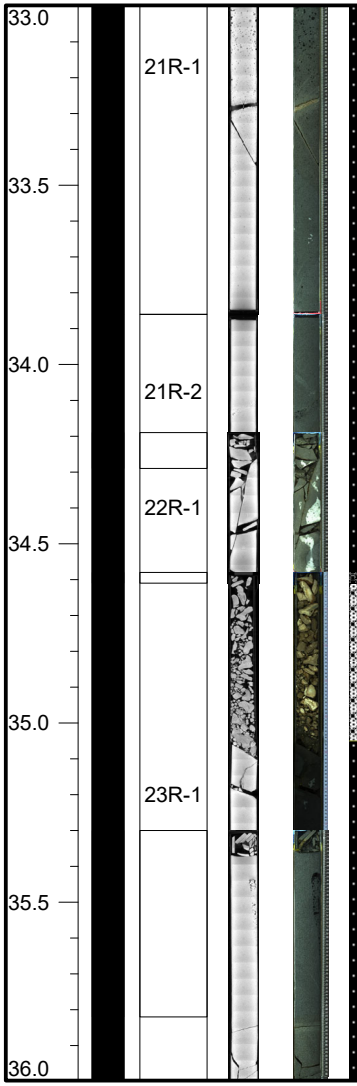

Grain size	Fossils	Taphonomy	Color	Visual core description
			5Y 4/1	Aphyric basalt, aphanitic groundmass. Bubbles large and round in the upper third, small below. .
				Aphyric basalt with phaneritic groundmass. Very small bubbles and layers with larger ones..
			5Y 4/1	Aphyric basalt with phaneritic groundmass. No bubbles..
	Porites-foliaceous;Porites-platy;Leptoseris-platy; Coralline algae		10YR 5/4;5Y 7/2	Fall-in, fragments of coralgal-microbialite bounstone.
			5Y 4/1	Aphyric (very few green crystals) basalt with phaneritic groundmass. Very small bubbles and a small area with large ones at the base..
				Aphyric (very rare crystals) basalt with phaneritic groundmass. Very

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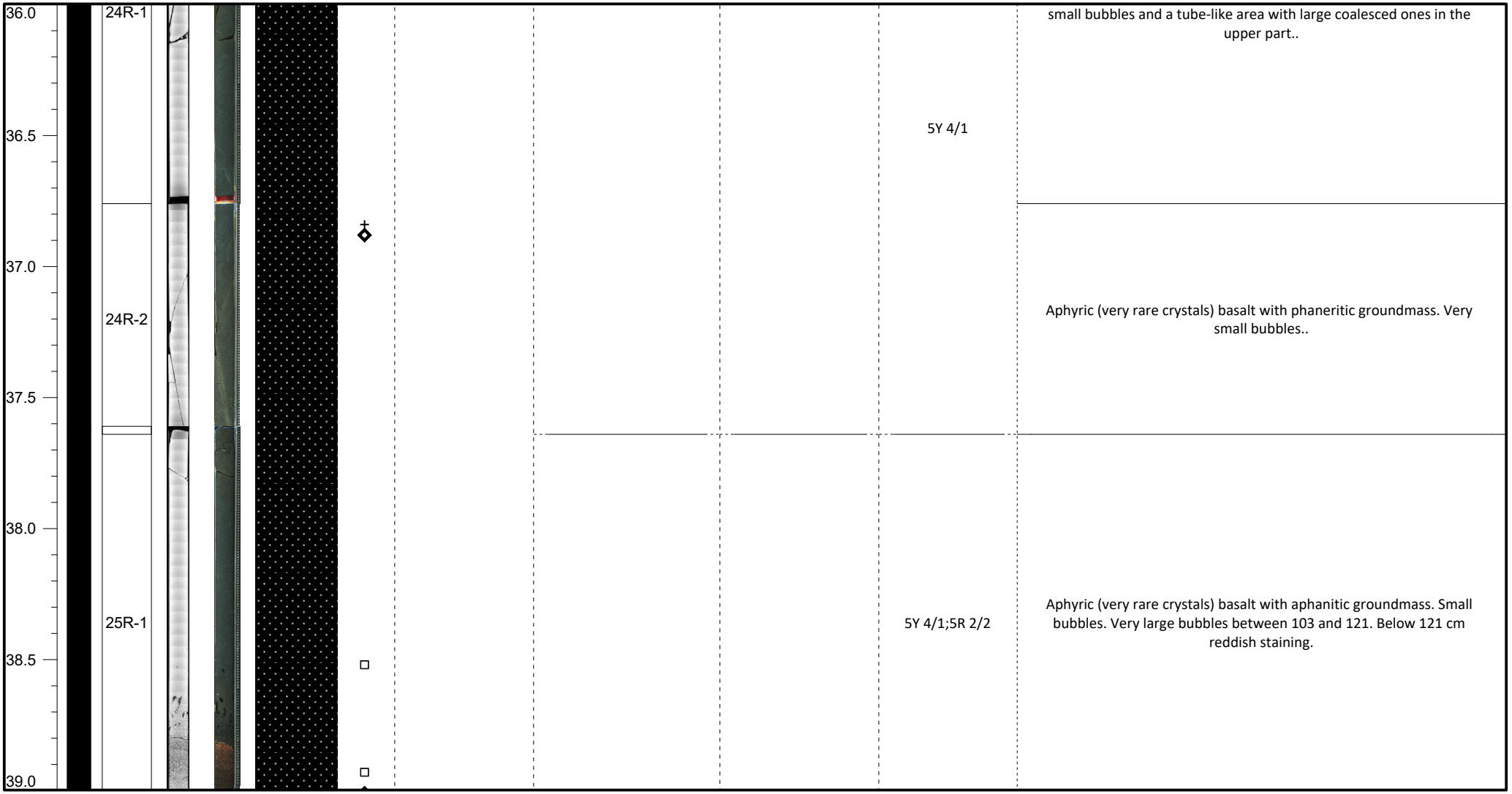

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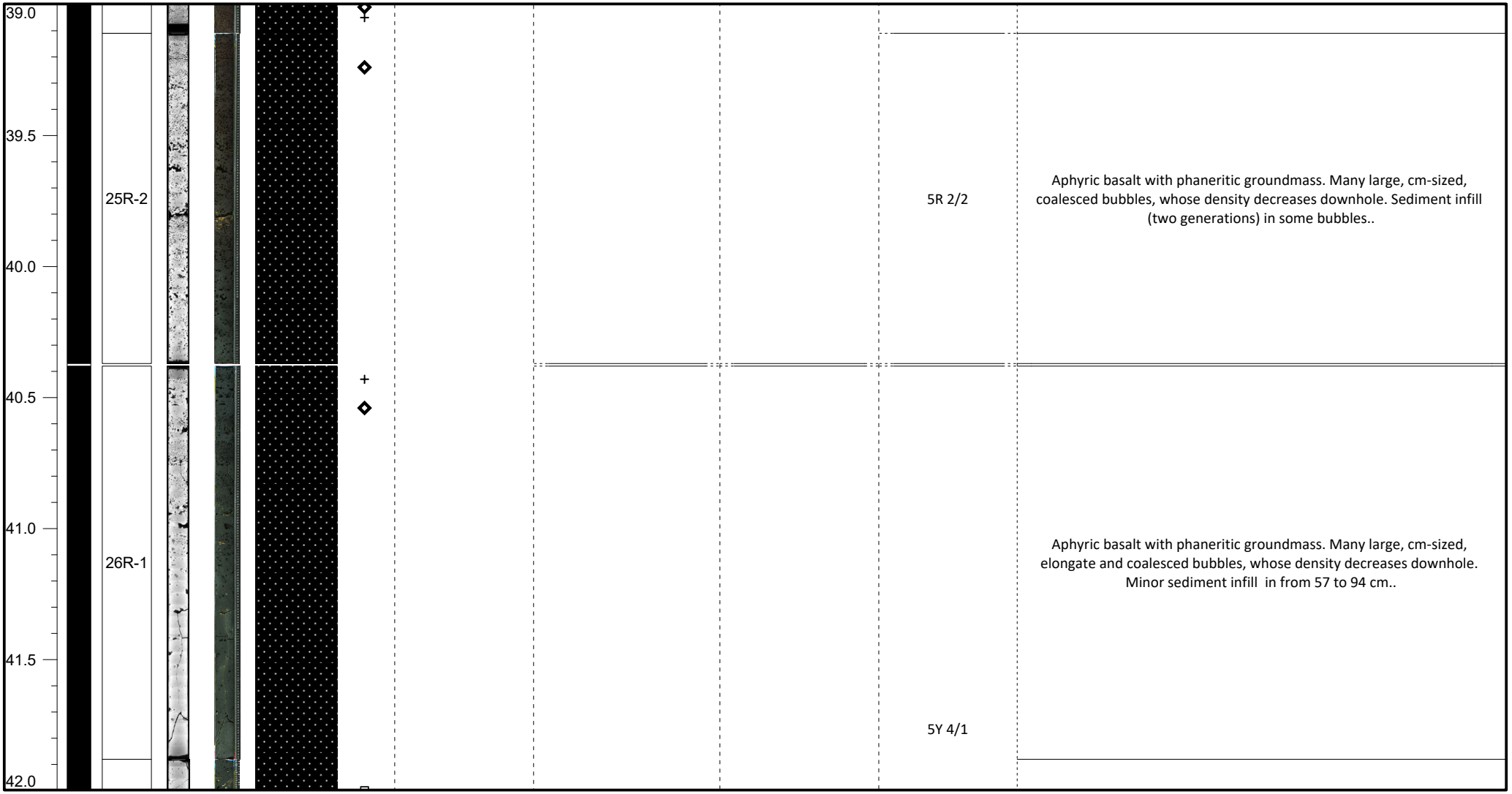

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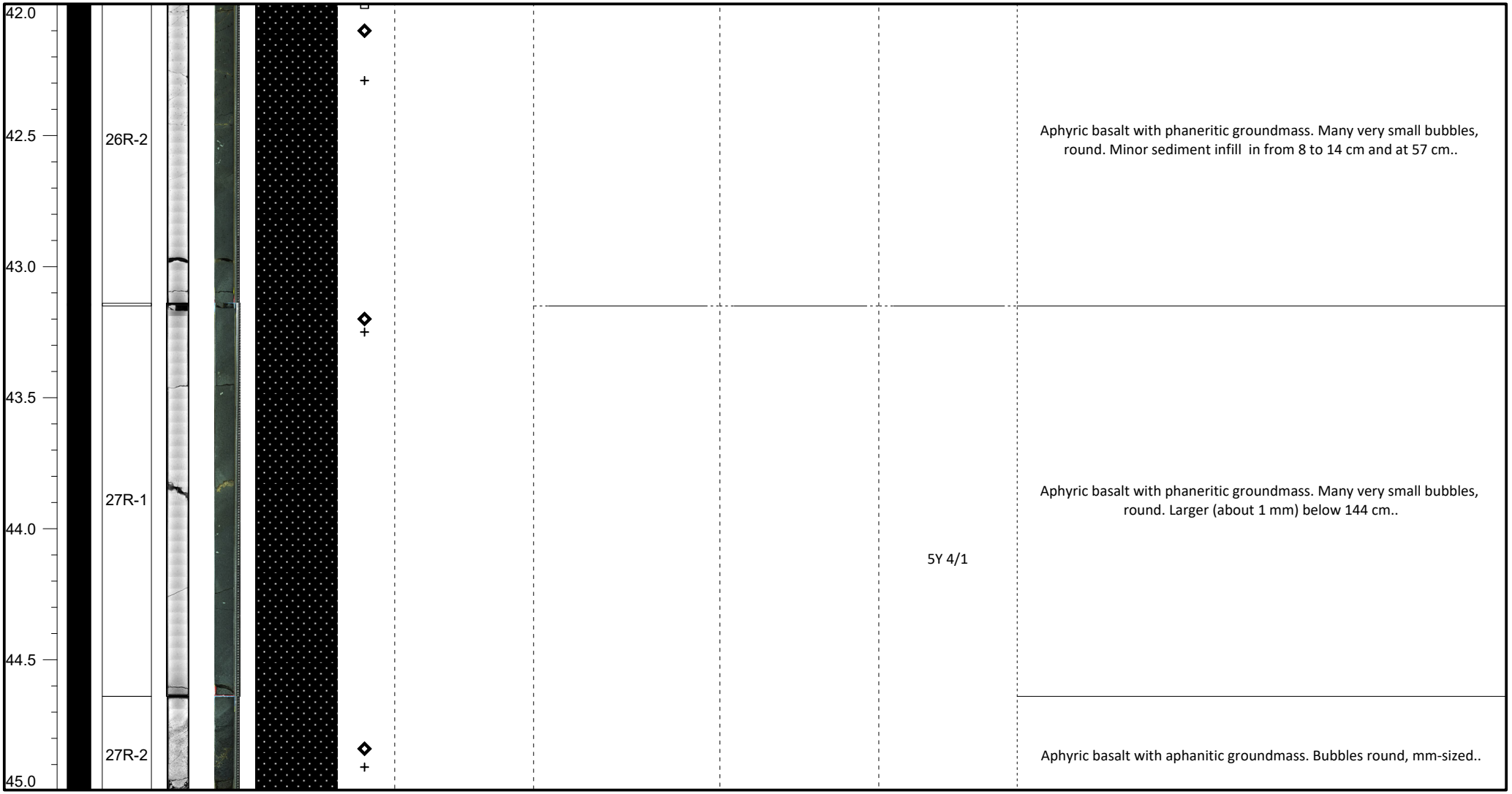

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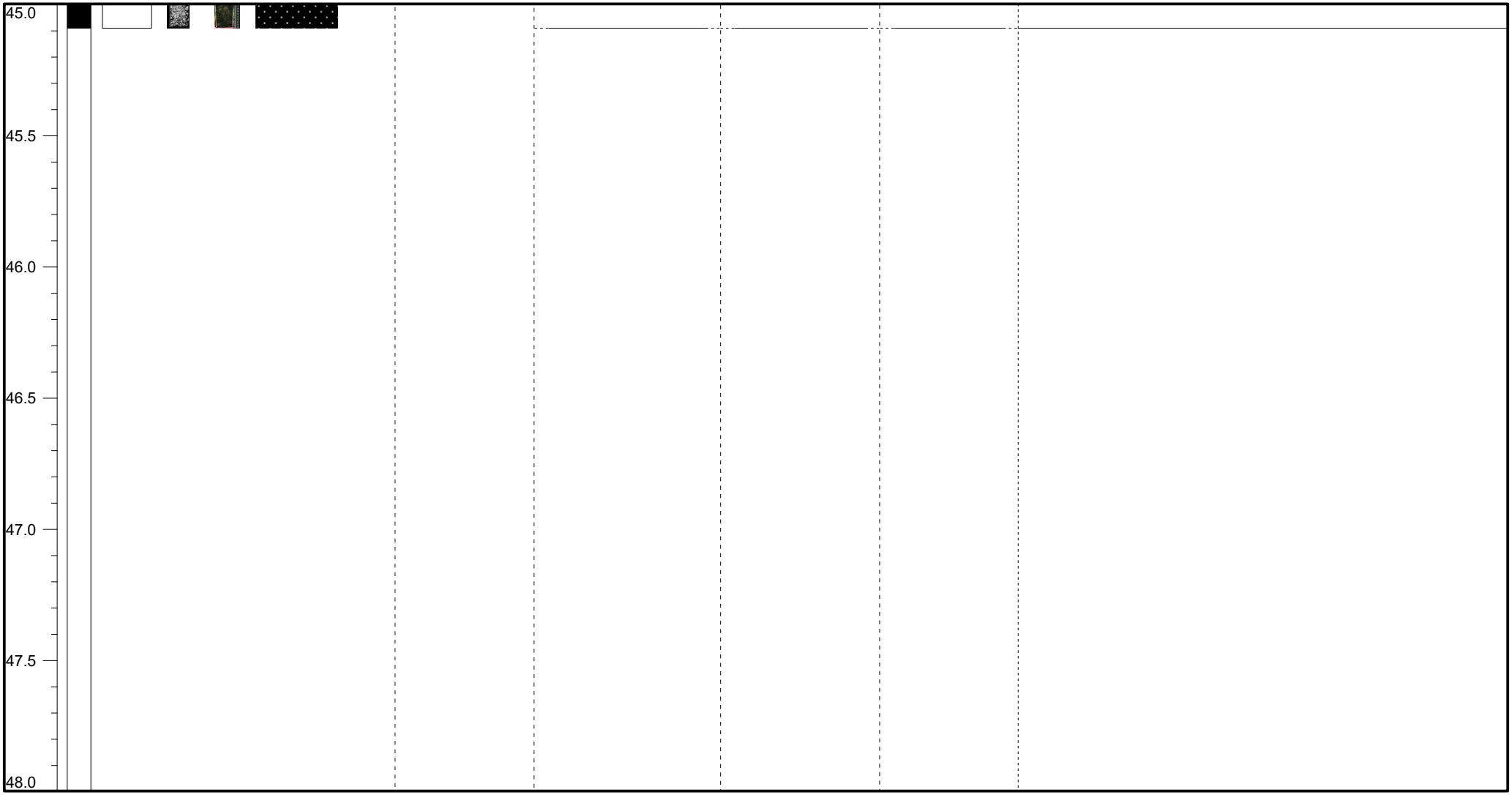

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