

IODP Expedition 389 VCD

Site: M0109A

Hole M0109A

Region: Mahukona
Water Depth: 1241.8 m

Depth (mbsf)	Core recovery	Curated sections	XCT scan image	Line scan image	Facies	IODP samples	Grain size	Fossils	Taphonomy	Color	Visual core description
0.0	Core recovered	1R-1			FRW-CorAlgBound	○ ▲	coarse sand;very coarse sand	Gastropod;Foraminifera ;Echinoderm;Coralline algae;Porites-branching; Coral-laminar;Mollusc		5Y 8/4;N9	High coring disturbance Unconsolidated biotrital with branching porites, laminar coral in a biotrital coarse sand-size matrix .
0.5											
1.0	Core recovered	2R-1			FRW-CorAlgBound			Porites-branching;Coralline algae;Coral-undetermined;Porites-columnar	encrustation - multilayered	N9;5Y 8/4	High coring disturbance Broken coralg framework (?) composed of branching corals, thinly encrusted by CCA No microbialite. Some underdetermined coral clasts.
1.5											
2.0	Core recovered	3R-1			FRW-CorAlgBound			Coralline algae;Coral-undetermined;Echinoderm;Porites-branching;Porites-columnar	encrustation - multilayered	N9;5Y 8/4	High coring disturbance Broken coralg framework (?) composed of corals, thinly encrusted by CCA No microbialite. Some underdetermined coral clasts.
2.5	Core recovered	4R-1			FRW-CorAlgBound			Coralline algae;Coral-undetermined;Echinoderm;Porites-branching;Porites-columnar	encrustation - multilayered	N9;5Y 8/4	High coring disturbance Broken coralg framework (?) composed of branching corals, thinly encrusted by CCA No microbialite. Some underdetermined coral clasts. Major minerals: aragonite;calcite
2.5	Core recovered	5R-1			FRW-CorAlgBound			Coralline algae;Coral-undetermined;Porites-branching;Porites-undetermined;Porites-columnar			High coring disturbance Broken coralg framework (?) composed of mostly branching corals, thinly encrusted by CCA No microbialite. Some underdetermined coral clasts. Major minerals: aragonite;calcite
3.0	Core recovered	6R-1			FRW-CorAlgBound			Coralline	encrustation -	N9;5Y 8/4	High coring disturbance

<h2>VCD legend</h2>	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
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3.0	Core recovered	7R-1			FRW-CorAlgBound			algae;Coral-undetermined;Porites-branching Coralline	multilayered encrustation - multilayered	N9;5Y 8/4	Broken coralgal framework (?) composed of corals, thinly encrusted by CCA No microbialite. Some undetermined coral clasts. Major minerals: aragonite;calcite High coring disturbance
3.2	Core recovered	8R-1			FRW-CorAlgBound			algae;Coral-undetermined;Porites-undetermined;Porites-branching Coralline	encrustation - multilayered	N9;5Y 8/4	Broken coralgal framework (?) composed of branching corals, thinly encrusted by CCA No microbialite. Some undetermined coral clasts. High coring disturbance
3.4	Core recovered	9R-1			FRW-CorAlgBound			algae;Porites-branching Coralline	encrustation - multilayered	N9;5Y 8/4	Broken coralgal framework (?) composed of branching corals, thinly encrusted by CCA No microbialite.. Major minerals: aragonite;calcite High coring disturbance
3.6	Core recovered	10R-1			FRW-CorAlgBound			algae;Porites-branching; Echinoderm;Mollusc Coralline	encrustation - multilayered	N9;5Y 8/4	Broken coralgal framework (?) composed of mostly branching corals, thinly encrusted by CCA + biodetrital matrix at base.. Major minerals: aragonite;calcite High coring disturbance
3.8	Core recovered	11R-1			FRW-CorAlgBound			Coralline algae;Porites-branching	encrustation - multilayered	N9;5Y 8/4	Broken coralgal framework (?) composed of branching corals, thinly encrusted by CCA Major minerals: aragonite;calcite High coring disturbance
4.0	Core recovered	12R-1			FRW-CorAlgBound			Coralline algae;Coral-undetermined;Porites-branching;Porites-laminar;Porites compressa	encrustation - multilayered	N9;5Y 8/4	Broken coralgal framework (?) composed of branching corals, thinly encrusted by CCA. Possible submassive Porites. Major minerals: aragonite;calcite High coring disturbance
4.2	Core recovered				FRW-CorAlgBound						Broken coralgal framework (?) composed of branching + laminar porites, thinly encrusted by CCA. Major minerals: aragonite;calcite High coring disturbance

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