



ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M97	A	1 R	1	0 m	1.18 m

Describer(s): Gischke, Humblet

Date: 8 Feb. 2024

cm	image length = curated length	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0								poorly sorted
10		rhodolith		mixed carbonate-volcaniclastic facies				conglomerate of
20								(5Y7/2) coral, corallgal and
30		PORITES (COL?) 15X						basaltic pebble to
40		CYPHASTREA (φc ~ 2mm) 15X HIGHLY BIOERODED						cobble-sized grains;
50		CCA (N9)						matrix = fine sand to
60		PORITES 15X						(10YR 6/2) granules
70		PORITES 15X HIGHLY BIOERODED						composed of
80		PORITES (COL?) 15X						bioclasts and
90		PORITES 15X BIOERODED						few volc. grains
100		CCA						bioclasts:
110		PORITES (BL) 15X P. COMPRESSA? HIGHLY BIOERODED	F10					CCA, shells, bryozoa, pteropods, echinaria spines
120		SAME AS ABOVE						basalt: aphanitic with few
130		FINE GRAINED CARBONATE SED?						phenocrysts (olivine?), bubbles medium-sized, rounded, not coalesced color: N2
140		LEPTOSERIS? (EN) EMBEDDED IN CCA HIGHLY BIOERODED						fragmented
150		CCA with Homotrema	F1	corallgal bound st.				corallgal bst.



Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M97	A	2 R	1	1.08 m	1.48 m

Describer(s): *Griscato, Humblet*Date: *8 Feb. 2024*

cm	image length = curated length	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
0		PORITES (BR?) IS?		coralgal boundst.				fragments of coral (5Y7/2)
10		PORITES (HIGHLY BIOERODED) ISX						CCA, and fine matrix (N9)
20		CCA						(10YR 6/2)
30		PORITES IS?						
40		CCA with few vermetids and Homotrema	L1					
50		PORITES (BL?) IS?						
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

BRAG

POTT

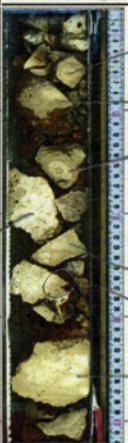


Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M97	A	3 R	1	1.4 m	1.82 m

Describer(s): *Grischer, Humblet*Date: *8 Feb. 2024*

cm	image length = curated length	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0		PORITES (BR) BIOERODED ISX?		<i>coral bound stone</i>				fragments of coral (5Y 7/2)
10		PORITES (BR?) BIOERODED ISX?						CCA, and fine matrix (N9) (10YR 6/2)
20		rhodolith (NUCLEUS = CORAL)						
30		PORITES BIOERODED						
30		SPALL GASTROPOD SHELL						
40		CCA with Homotrema	<i>H1</i>					
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

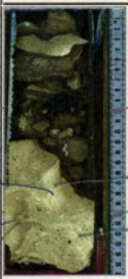


Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M97	A	4 R	1	1.82 m	2.08 m

Describer(s): *Grisches, Humblet*Date: *8 Feb 2024*

cm	image length = curated length	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0								
10		<i>disturbed; redrilled piece piece of basalt</i>	<i>F0</i>					
20		<i>CCA</i>	<i>F1</i>	<i>coralgal bst.</i>				
30		<i>PORITES (Br?) IS?</i>						
40								
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								



Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M97	A	5 R	1	1.9 m	2.55 m

Describer(s):

Grischler, Humblet

Date:

8 Feb. 2024

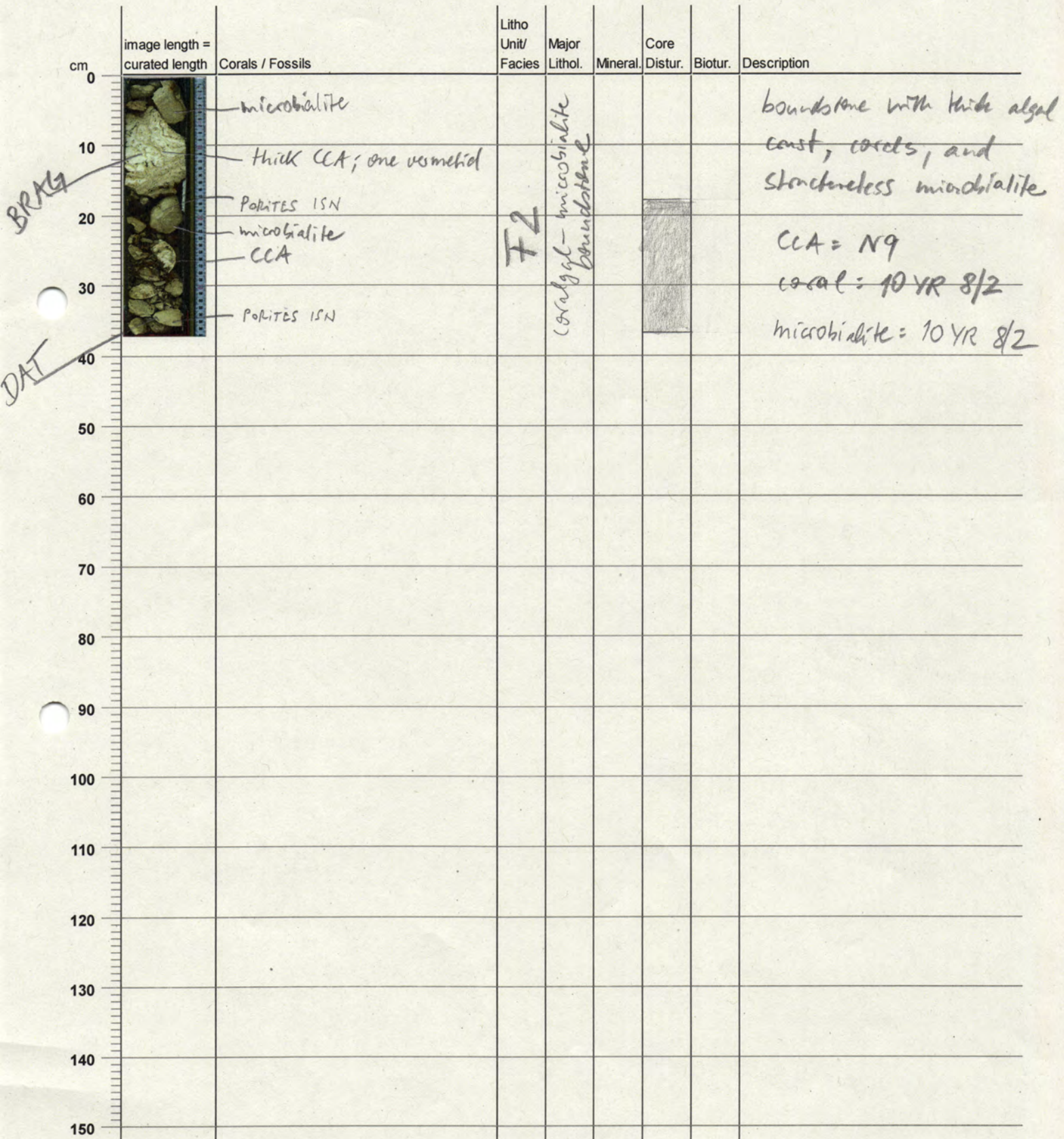
cm	image length = curated length	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0		GEOPETAL	F1	coralgal				
10		PORITES HIGHLY BIOERODED	F1	coralgal				
20	DAT POTT POTT BRAG	PORITES BIOERODED (11) (ENTOBIA) ISN						change in
30		Homotema						- abundance of CCA (increases)
40		(2)						- coral species composition
50		Vermetids						
60		(3)						
70		(4)	F1	coralgal				gastropod, bivalve shells, echinoid spines embedded in CCA
80		(5)						
90		(1) CORAL (BF TO BM) IS (BIOERODED) → ENTOBIA						
100		(2) " (BF) IS (HIGHLY BIOERODED)						
110		(3) " (BF) IS?						
120		(4) " (BF) IS						
130		(5) CYPHASTREA? ISX (HIGHLY BIOERODED)						
140								
150								



Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M97	A	6 R	1	2.77 m	3.14 m

Describer(s): *Gisuke, Humblet*Date: *8 Feb. 2024*

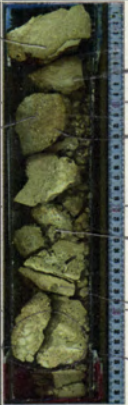


Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M97	A	7 R	1	3.15 m	3.54 m

Describer(s): *Gischels, Humblet*Date: *8 Feb. 2024*

image length = curated length		Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
cm	0			<i>F2</i> <i>coralgal-microbialite boundstone</i>				<i>fragmented pieces of microbialite (structureless), CCA, coral</i>
	10	<i>Porites</i> ISN						
	20	<i>Porites</i> (PbioERODED, ISN ENTOMBIA)						
	30	<i>echinoid spines</i>						
	40	<i>PORITES (LM?) IS?</i>						
	50	<i>CYPHASTREA? (EN?) IS?</i>						
	60	<i>HIGHLY BIOERODED</i>						
	70							
	80							
	90							
	100							
	110							
	120							
	130							
	140							
	150							

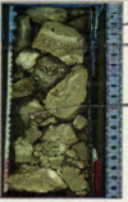


Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M97	A	8 R	1	4.23 m	4.42 m

Describer(s): *Gischke, Humblet*Date: *8 Feb. 2024*

cm	image length = curated length	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0		<i>CCA + HOMOTREMA CORAL (HIGHLY BIOERODED) Porites</i>	<i>F2</i>	<i>Coralline-mic. bondstone</i>				<i>microbialite (structureless); some coral; CCA</i>
10								
20								
30								
40								
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								



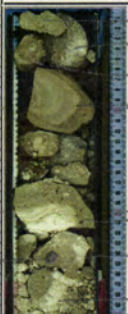
Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M97	A	9 R	1	4.56 m	4.86 m

Describer(s): Humblet / Potts / Khanna

Date: 8 Feb. 2024

cm	image length = curated length	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0		Microbialite (Structureless) Microbialite (Structureless) Porites-branching + CCA (5mm) Microbialite (columnar + laminated)	F-2	Corals and Microbialite det.				
10								
20		CCA (>1cm) + Microbialite (Structureless) Cyphastrea (?)						
25	POTT	CCA with Microbialite						borings → entobia
30								
40								
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								



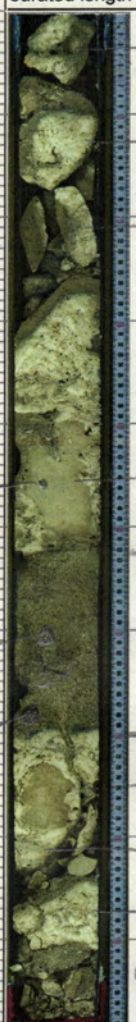
Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M97	A	10 R	1	5.73 m	6.71 m

Describer(s): Hamon / Potts / Khanna

Date: 8 Feb 2024

cm	image length = curated length	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0		Altered coral with CCA and microbialite crust		Long Microbialite				
10		Algal crust with microbialite						
20		Porolithothamnion encrusted with CCA + microbialite						
30			F-2					
40								
50		Columnar Porites encrusted by CCA (with vermetids) - upto 15 cm thick + Microbialite crust						
60		Unconsolidated bioclastic grainstone, with echinoid spine, LBF, red algae clasts, gastropod clasts.	F-6	Consolidated Bioclastic				
70		Columnar Porites encrusted with CCA (upto 4 cm thick)						
80		Homotrema within CCA	F-2					
90		Upto 6 cm thick algal crust with vermetids		Consolidated Microbialite				→ abundant vermetids
100		Unconsolidated bioclastic grt- less sorted, coarse with cypridae, coral clasts.	F-6	Consolidated bioclastic				
110								
120								
130								
140								
150								



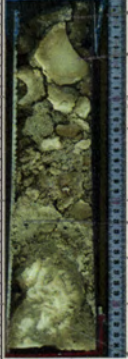
Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M97	A	11 R	1	7.32 m	7.67 m

Describer(s): Hamon | Potts | Khanna

Date: 8-Feb-2024

cm	image length = curated length	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0		Microbialite	F-2	Consolidated Microbialite beds				
10		Columnar Porites with LCA crust (3 mm)	F-2	Consolidated Microbialite beds				
20		Porites with entobia	F-5	Consolidated Microbialite beds				Partly sorted bioclastic grainstone with coral clasts, echinoid spine, algal clasts, gastropod.
30		CCA crust (6 cm) with Microbialite crust (Structureless)	F-2	Consolidated Microbialite beds				→ with geopetal structure
40		CCA with vermetids (abundant)						
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								



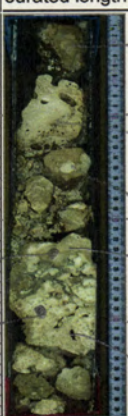
Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M97	A	12 R	1	7.6 m	7.99 m

Describer(s): Hamon / Potts / Khanna

Date: 8-Feb-2024

cm	image length = curated length	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
0		Altered porites branching coral with microbialite crust (structureless)						
10		Porites - columnar - heavily bored, with CCA (up to 2 cm thick)						
20		Porites fragment with CCA + microbialite with Calytic filling						
30		Porites - In-situ encrusted by thin CCA.						
40		CCA 7 cm thick + vermetids abundant						
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								



Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M97	A	13 R	1	8.09 m	8.84 m

Describer(s):

Hamon | Potts | Khanna

Date: 8-Feb-2024

cm	image length = curated length	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0		Branching Porites encrusted by microbialite						
10		Branching Porites with microbialite						
20		CCA crust (10 cm) encrusted by microbialite + some vermetids						
30								
40		Porites compressa with algal crust, CCA crust heavily bored coral						
50								
60		Pocillopora with CCA (Pott ●)						
70								
80								
90								
100								
110								
120								
130								
140								
150								



ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M97	A	14 R	1	10.01 m	10.89 m

Describer(s): Hamon | Potts | Khanna

Date: 8-Feb-2024

cm	image length = curated length	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0		Microbialite (Structureless)						
10		Branching Porites - heavily bored						
20		Branching Porites encrusted by microbialite with small gastropod						
30		Branching Porites heavily bored.						
40		Columnar Porites encrusted with CCA upto 3cm thick + microbialite crust						
50		Small coral clast + gastropod encrusted by CCA (upto 4cm) microbialite crust						
60		Coral (Porites) - branching with CCA + microbialite (3cm)						
70		Coral - branching - heavily bored (entolera) + some CCA + microbialite (crust)						
80		Branching Porites with thick CCA crust + microbialite crust.						
90								
100								
110								
120								
130								
140								
150								

F-2
Coralline Microbialite Boundstone

- Homotrema within CCA.
- Homotrema within CCA.
- CCA crust has Homotrema



ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M97	A	15 R	1	11.55 m	13.05 m

Describer(s): Hamon / Potts / Khanna

Date: 8-Feb-2024

cm	image length = curated length	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
0		Pocillopora encrusted by microbialite						
10		Pocillopora with CCA and microbialite crust						
20		Multiple Acropora stages						
30		Porites (with corallina) - branching						
40		Porites branching with Diploria						
50		Microbialite (with small pores) + Homotrema						
60		Bivalve shell + CCA coral clasts						
70		Pocillopora branching - Domicotinis						
80		Porites branch with sub mm - CCA crust.						
90		Porites Domicotinis (Pocillopora)						
100		Porites						
110		Cypridae (gastropod)						
120		Homotrema						
130		Cypridae (in the hole)						
140		Bivalve Bivalve						
150		Vermetids						
		band of Homotrema						

GISC?

WBBS

BRAG

Condensed Microbialite

F-2

Boundstone

F-4

Also

Thick CCA crusts
with Cypridae,
Bivalves, gastropod,
Homotrema, Vermetids.Abundant Vermetids at
the bottom.



Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M97	A	15 R	2	13.05 m	13.97 m

Describer(s): Harmon / Potts / Khanna

Date: 8-Feb-2024

cm	image length = curated length	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
0								Thick algal Boundstone
10		Gastropod. Cyphastrea clast.						>1.5 mm thick with several coral clasts + gastropods + Hamotrema + Vermetids.
20		Vermetids. Massive Porites						
30		Sediment (fine)						
40		Cyphastrea (Potts)						
50		Occasional Vermetids + Hamotrema						
60		3- Mollus fragments Band of Hamotrema						
70		Vermetids						
80		Cyphastrea clast						
90		Coarse Sediment						
100								
110								
120								
130								
140								
150								



ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M97	A	16 R	1	14.31 m	15.35 m

Describer(s): Hamon / Potts / Khanna

Date: 8-Feb-2024

cm	image length = curated length	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0								
10		Pocillopora Homotrema band.						
20		CCA crusts (17 cm)						
30			F4	Algal Boundstone				Mostly CCA with some Homotrema, Pocillopora clast.
40								
50		Porites - branching with CCA crust						
60		Vermatids	F1	Algal Boundstone				
70		Gastropod shells	F1	Corallgal Boundstone				
80		Gastropod						
90		Branching Pocillopora with CCA crust (15 mm)						
100		+ Homotrema + urchin spines + mollusk fragments	F1	Corallgal Boundstone				
110								
120								
130								
140								
150								



Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M97	A	17 R	1	17.07 m	17.6 m

Describer(s): Hamon / Potts / Khanna

Date: 8-Feb-2024

cm	image length = curated length	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0		Pocillopora branching or worked fragments + some rounded fragments + opeculum (crustacean)	F-0	Fall-in				
10								
20								
30								
40		Porites - sub massive with CCA	F-1	Coralline lit				
50		Algal crust with Vermetids	F-4	Algal lit				
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

DAT
BRAG



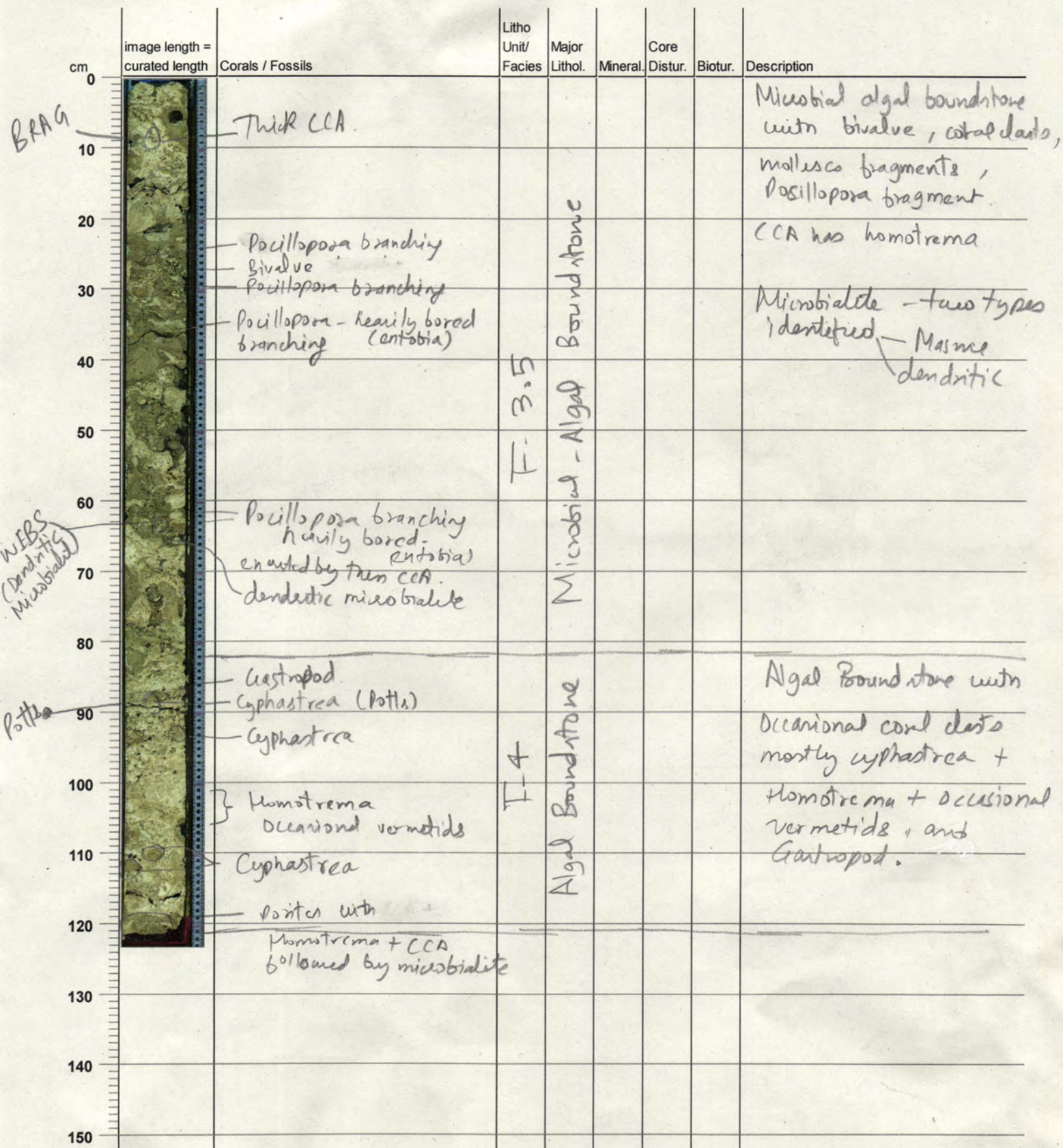
Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M97	A	17 R	2	17.6 m	18.83 m

Describer(s): Hamon / Potts / Khanna

Date: 8-Feb-2024





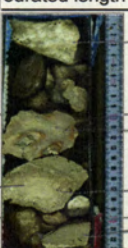
Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M97	A	18 R	1	19.84 m	20.07 m

Describer(s): Hamon Potts / Khanna

Date: 8-Feb-2024

cm	image length = curated length	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0		CCA with microbialite						Congl. Microbialite, heavily disturbed.
10		Porillopora branching	F-2	Congl. Microbialite				Mostly branching coral clast
20		Montipora (?) branching + entobia		boundstone				coral with thin CCA and
		CCA + microbialite (aminated)						microbialite
30								
40								
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

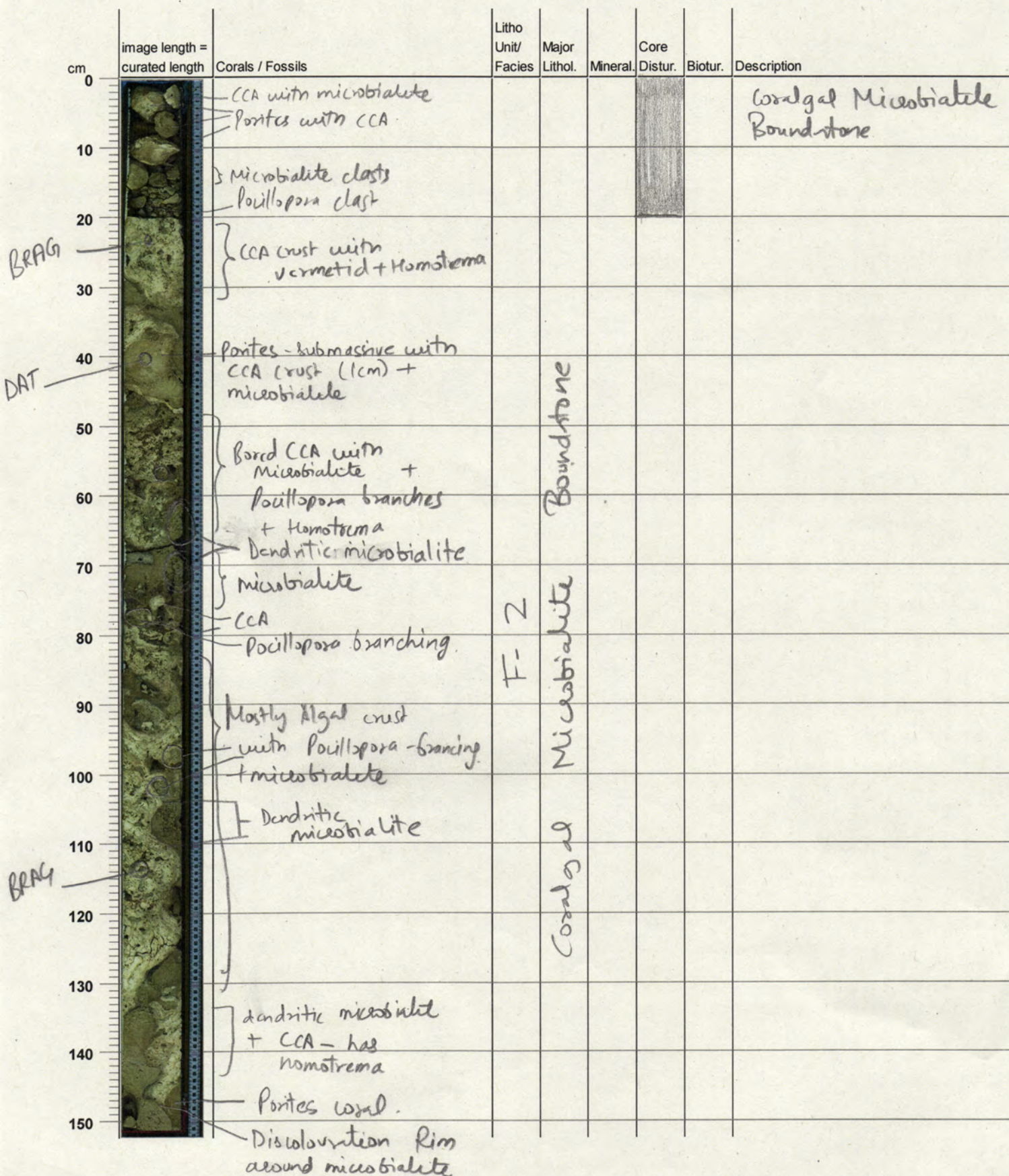


ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M97	A	19 R	1	22.61 m	24.13 m

Describer(s): Hamon / Potts / Khanna

Date: 8-Feb-2024





ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M97	A	19 R	2	24.13 m	25.41 m

Describer(s): Hamon / Potts / Khanna

Date: 8-Feb-2024

cm	image length = curated length	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0		Microbialite (Structureless) CCA (up to 5 cm) + Homotrem						Discoloration contact at microbialite and CCA boundary
10		Porites - Columnar						
20		Columnar to dendritic microbialite						discoloration contact with coral below
30		Porites - branching with CCA on side - (1 cm) + Homotrem						
40		Pocillopora branching Porites branching with CCA + microbialite At 31 - Echinoid spine						At 35 - Soft sediments in cavities
50		Branching Porites + Microbialite (laminar to dendritic)						
60		Porites						
70		Microbialite (dendritic) Bivalve						
80		Bivalve						
90		Columnar Porites with thin CCA + microbialite crust Pocillopora branch						
100		Porites						
110		Microbialite (laminated to dendritic) Pocillopora embedded in microbialite						Infill is unconsolidated soft sediment
120		CCA Unconsolidated						
130		Columnar Porites with thin CCA						Discoloration band is between Coral/CCA and microbialite
140								
150								



ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M97	A	20 R	1	25.2 m	26.68 m

Describer(s): YH- DP- PK

Date: 08/02/2024

cm	image length = curated length	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0		Fragments of CCA, Pocillopora, Pocillopora, Partes in a soft unconsolidated fine Sandy Matrix						Breccial top
10								
20								
30								
40		Partes Partes with columnar laminar Pocillopora						
50		Partes columnar - laminar Pocillopora Pocillopora encrusting gastropod, bivalves, & CCA						
60		3 pieces of Partes + 1 of Pocillopora embedded in Pocillopora (columnar)						
70		CCA crust						
80		Large columnar Partes with thin, irregular, CCA crust.						
90		some pieces of Pocillopora in Pocillopora	F2					
100		Partes columnar						
110		columnar laminar to dendritic Pocillopora (top)						
120		thick CCA (Vermis + Pocillopora) Pocillopora (gastropod)						
130		columnar partes						
140		Dominantly laminar to dendritic Pocillopora over CCA crust						
150		small fragments of Partes in unconsolidated Sed (bivalves)						



Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M97	A	20 R	2	26.68 m	28.04 m

Describer(s): YH-DP-PK

Date: 08-02-2024

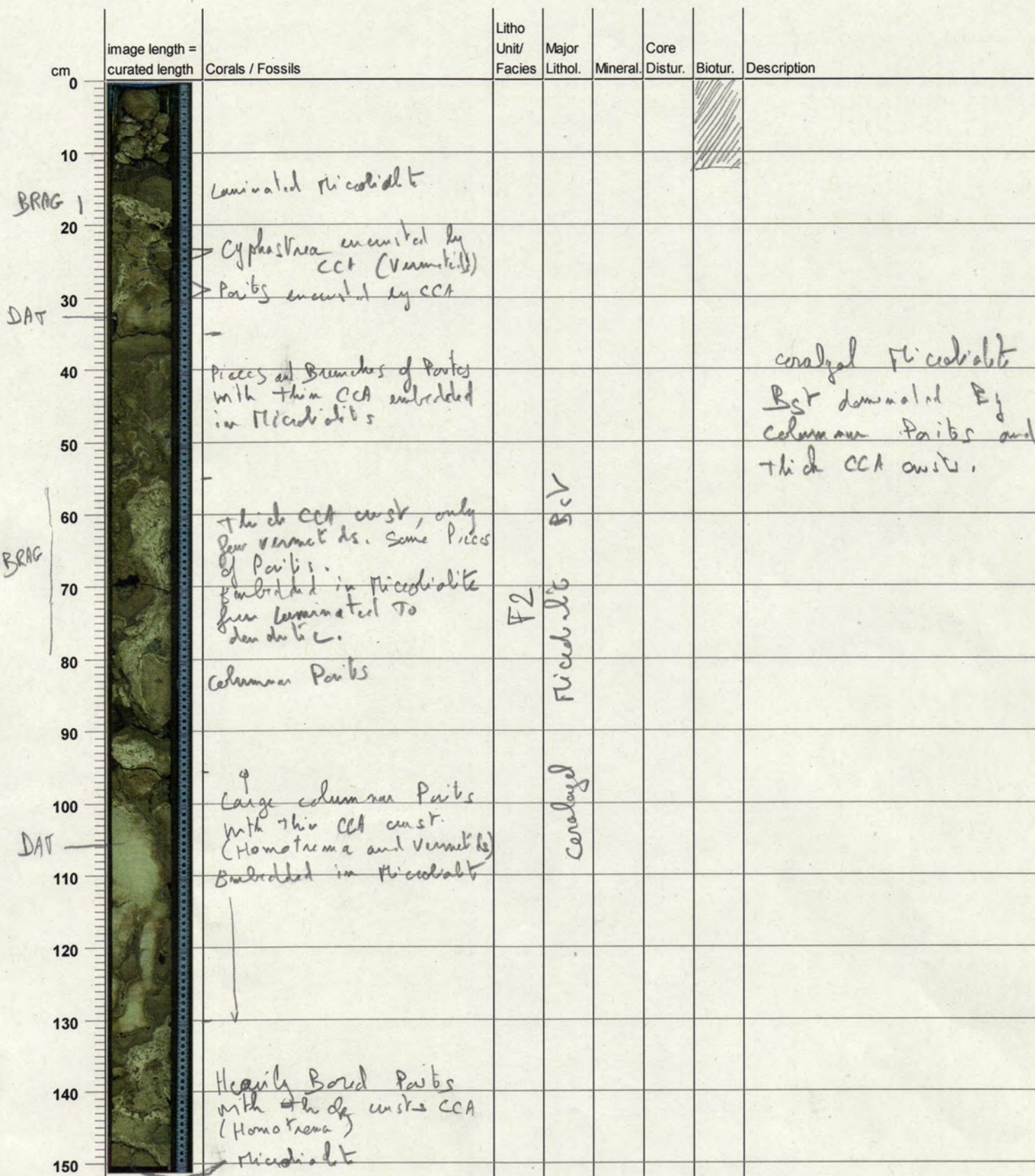
cm	image length = curated length	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0		CCA crust (Vermatide). Microbials Pores						
10		Pores						Branches of coral encrusted by CCA and Microbials
20		Pocillopora						
30		Laminar to dendritic Microbials						coral Microbial Bst dominated by Pocillopora + Pores Branches with variable CCA crust, embedded in Microbials.
40	BRAG	complex assemblage of Pocillopora Branches, CCA and Microbials						
50								
60		cluster of Pocillopora and Pores Branches						
70		Microbials embedding CCA fragments, echinoids, Pocillopora and Pocillopora Branches.	F2	Microbial Bst				
80		Pores						
90		Pocillopora						
90	DAT	Pores with thin CCA (up to 4 mm)						
100		Branches and Pieces of Pores and Pocillopora (Mainly) embedded in laminar Microbials						
110								
120		cluster of Pores Branches						
130		Pocillopora						
140								
150								

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M97	A	21 R	1	27.76 m	29.27 m

Describer(s): YH- DP - PK

Date: 08/02/2024





Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M97	A	21 R	2	29.27 m	30.61 m

Describer(s): M-DP-PK

Date: 08/02/2024

cm	image length = curated length	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0								
10		Branches of Porites with thick CCA crust.						complex assemblage of coral, CCA crust embedded in micaceous.
20		cyphostrea						
30		columnar laminated micaceous.						
40		thick CCA crust with Cyphostrea and Porites (Heavily Buried)						
50		Laminar micaceous						
60		Porites						
70		Laminar (columnar) micaceous						
80		Porites massive						
90		Porites						
100		Laminar - columnar micaceous						
110		cyphostrea						
120		Porites (Buried)						
130		Dendritic micaceous						
140		Porites						
150		Porites						

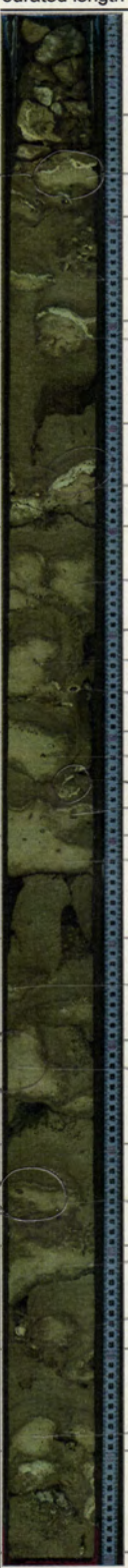


Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M97	A	22 R	1	30.45 m	31.96 m

Describer(s): *Gisshler, Humblet, Braga*Date: *9 Feb 2024*

cm	image length = curated length	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0								- framework of coral, CCA, and microbialite
10								
POTT 20		Porites? (LM) IS						- microbialite massive
30		Porites (LM) IS						transitioning to dendritic
40		Porites (BL?) IS						(intensely laminated) only little detritus (shells)
BRAG 50		Porites? (LM) + ENTOMIA						- CCA crusts associated with some vermetids and Homotrema
60		Porites (LM) IS						
70		Porites (LM?) IS echinoid spine						
80		Porites (LM?) IS * Pocillopora	FZ					microbialites do not fill
90		Porites (SM) IS						voids completely, some
100		Porites (LM) IS						carries remaining
DAT 110		Porites (SM-M) IS						
POTT 120		Porites IS SAME Colony? (SM?)						
130		Porites (BL) IS						
140		Porites (BR) IS						
150								coral color = 5Y 8/1 CCA = N9 microbialite = 5Y 7/2



Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M97	A	22 R	2	31.96 m	33.3 m

Describer(s): Gisdick, Humblet, Braga

Date: 9 Feb. 2024

cm	image length = curated length	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
0		PORITES (EN) IS						Coral mostly Porites
10		CORAL (EN) IS HIGHLY BIOERODED						
20		PORITES (BF) IS? HIGHLY BIOERODED						
30		PORITES (COL) IS						CCA crusts on corals,
40		PORITES (BM) IS?						with inorganic vermetids and Hematema
50								
60		PORITES (BR) IS						microbialite massive, up to 10cm thick,
70		Pocillopora IS? HIGHLY BIOERODED						only few cavities remaining
80		PORITES (COL) IS						laminated internally
90		PORITES (COL? BL?) IS						
100		HIGHLY BIOERODED (ENTOBIA)						
110								
120		PORITES (RB) IS						
130		PORITES (COL? RB?) IS?						
140								
150								



Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M97	A	23 R	1	33.15 m	33.3 m

Describer(s):

Gischler, Humbled, Braga

Date:

cm	image length = curated length	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0		Pontes 15N BDERODED	#2	coralgal - micr- obial last.				fragmented corals
10		Pontes 15N						(Pontes), microbialite, and CCA
20								
30								
40								
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								



Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

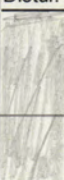
Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M97	A	24 R	1	33.39 m	34.34 m

Describer(s):

Gisler, Humblet, Braga

Date:

9 Feb. 2024

cm	image length = curated length	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0								Corals mostly <i>Pontes</i> (columnar)
10								
20								
30		<i>Pontes</i> (col) is encrusting forams!						
40		Crab carapace (with yellow warts)						rel. thin CCA crusts with vermetids
50		<i>Pontes</i> (col) is						
60		<i>Pontes</i> (col) is						microbialites massive, laminated;
70								Occasionally inksoul sediment
80		<i>Pontes</i> (col) is						(CCA; echinoid spine)
90								
100		NB: SURFACE OF MOST CORALS IS BIOERODED						
110								
120								
130								
140								
150								



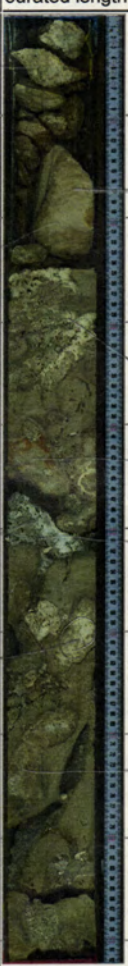
Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M97	A	25 R	1	34.28 m	35.2 m

Describer(s): Gischler, Humblet, Braga

Date: 9 Feb. 2024

cm	image length = curated length	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0								Corals (Porites; Pocillopora)
10								
20		Porites (col) IS?						
30								CCA crusts with vermetids and Homotrema
40								
50		Pocillopora IS HIGHLY BIOERODED/ENTOMBED						
60		internal sediment (unconsolidated)	F2					microbialite massive; some columnar; few dendritic
70								
80		Porites (col) HIGHLY BIOERODED/ENTOMBED						microbialite surface with internal sediment (shells, echinoid spines,
90								
100								
110								
120								
130								
140								
150								