



Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M98	A	1 R	1	0 m	0.63 m
Describer(s): <u>Hamon / Potts / Khanna</u>						Date: <u>10-2-2024</u>

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0		→ Coral (undetermined) with consolidated and on top ^{micro} _{bioherm}		Bound stone				Coral clasts - heavily bioeroded with consolidated bioherm grainstone.
10		→ Pocillopora branching clast → Biohermic Crust. with coral clasts (Bivalves + Gtsp)	LT	Bound stone		15		
20		→ Coral (heavily bioeroded & in-filled) → Laminar coral → Bivalve	LT	Bound stone				→ tubes → consolidated sediments cavities
30								
40		Mostly unconsolidated bioherms	F6	Unconsolidated				Unconsolidated to Consolidated in some places - bivalve + bioherm + echinoid spines
50		→ foliaceous coral → Laminar coral → CCA	LT	Bound stone				Cavity has soft sediments (bioherms etc.)
60		→ Consolidated sediment Mixed gastropods, tube halimeda plate, echinoid spines, coral fragm.	F5	Consolidated grit				
70								
80		CONSULT JODY/CHRISTINA BEFORE SAMPLING.						
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	M98	A	2 R	1	1.97 m	2.73 m
Describer(s): Hamon / Potls / Khanna						Date: 10-2-2024

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0		Corals clasts						Predominant by Branching Porites
10								with thin CCA + some biocrusts
20		fragmented Porites 15						some biocrusts at the periphery
30		Soft sediments (bioclast + red algae)						
40		Porites branching						
50		Porites branching						
60		Porites branching						
70		Porites branching						
80								
90								
100								
110								
120								
130								
140								
150								

DAT

DAT

DAT

F-T

Coarse Banding



Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M98	A	3 R	1	3.02 m	3.44 m

Describer(s):

Hamon / Potts / Khanna

Date:

10-2-2024

cm	img len = curated len	Corals / Fossils	Litho	Major	Mineral	Core	Biotur.	Description
			Unit/ Facies	Lithol.		Distur.		
0								
10		Portia Branch						Mostly Branching
20			L-1	Coralline Bdt				Portia + high
30								drilling disturbance
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	M98	A	4 R	1	4.38 m	4.58 m
Describer(s): Hamon / Potts / Klanna						Date: 10-2-2010

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0		Branching Porites		Porites				Abundant Branching
10		Black earth thin	Fi-N	Porites				Porites + High
20								drilling disturbance
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	M98	A	5 R	1	4.69 m	4.99 m

Describer(s):	Hamon / Potts / Khanna	Date:	10-2-2024
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cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0		Branching Porites Litho thick CEA (2-4mm)	H-1	Corals				Abundant Branching Porites
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	M98	A	6 R	1	5.06 m	5.26 m

Describer(s):

Hamon / Potts / Klanna

Date:

10-2-2024

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0		Branching Porites with thick CeA	Fi	Coarse Sand				Abundant branching Porites + high drilling disturbance
10								
20								
30								
40								
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

DAT
(x15)



Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M98	A	7 R	1	5.06 m	5.21 m
Describer(s): <i>Hamon / Potts / Khanna</i>						Date: <i>10-2-2024</i>

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0		<i>Branching Porites</i> <i>+ Crab claw + echinoid spine</i>	<i>LT</i>	<i>Condensed Boulders</i>				<i>Abundant branching Porites</i>
10								
20								
30								
40								
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

*DAT
(x15?)*



Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M98	A	8 R	1	5.06 m	5.26 m
Describer(s): Hamon / Potts / Klanna						Date: 10-2-2024

img len = curated len		Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
cm	0							
	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	M98	A	10 R	1	5.72 m	6.02 m

Describer(s): YH. DP-PK	Date: 10/02/2024
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cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0								Loose sediment
10		Paria Branch Paria branch with thin CCA.	H	Coralline				Loose sediment
20		Paria Branch (Bored)						Core disturbance: Pieces of coral (Mostly Beards) with thin to absent CCA crust.
30								
40								
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

DAS
(15x)



Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M98	A	11 R	1	6.23 m	6.65 m

Describer(s): YH-DP-PK

Date: 10/02/2024

cm
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150

img len =
curated len

Corals / Fossils

Litho
Unit/
Facies

Major
Lithol.

Mineral

Core
Distur.

Biotur.

Description

Portia Branch

coral Branch, geopedal strand

Portia Branches

Dist

coral

Distur.

Core disturbance. Pieces of coral (mostly Branches) with thin to absent CCA crust.

Loose sediment. Drilling origin?

DAT
(15x)



Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M98	A	12 R	1	7.05 m	7.18 m

Describer(s): YH-DP-PK

Date: 10/02/2024

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0		Porites Branches + thin CCA (+ Echinoid spine)	L	LS coral				core disturbance Pieces of coral (fleshy branches) with thin to absent CCA crust.
10		Porites Branches						
20								
30								
40								
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

DAT
(154)

Hawaiian Drowned Reefs						
ONSHORE VISUAL CORE DESCRIPTION						
Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M98	A	13 R	1	7.31 m	7.62 m
Describer(s): YH-DP-PK						Date: 10/02/2024



Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M98	A	14 R	1	10.23 m	10.51 m

Describer(s):

Hammon / Potts / Khanna

Date:

10-2-2024

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0		Branching Porites clasts + trans CCA + Borings (Lithothamnion?)		1 20 30 3				High drilling disturbance
10								Abundant branching Porites
20								
30								
40								
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

DAT
(15x?)



Hawaiian Drowned Reefs

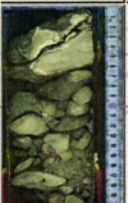
ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M98	A	15 R	1	10.61 m	10.81 m

Describer(s):

Hammon / Potl / Khanna

Date: 10-2-2024

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
0		Branching Porites + thin clay						High drilling disturbance
10		Soft sediments (drilling related)						Abundant branching Porites.
20		+ Initiation of thin microbialite						
30								
40								
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								



Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

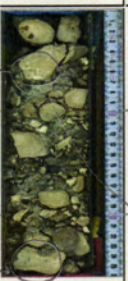
Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M98	A	16 R	1	11.04 m	11.3 m

Describer(s):

Güschkes, Humblet, Braga

Date:

11 Feb. 2024

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0								
BRAG		POMTES (BR) ISN SOME BIOEROSION	F2	coralgal - microbiolite lst.				fragments of Porites coral (branched?) rel. thin units of CCA and microbiolite
10								
20		HIGHLY BIOERODED PIECE (ENTOMBIA)						
DAT (15X)								
30								
40								
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

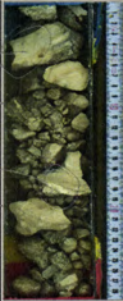


Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M98	A	17 R	1	11.2 m	11.49 m

Describer(s): Gischer, Humblet, Braga	Date: 11 Feb. 2024
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cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
0								Coral (Porites)
10		Porites (BR) ISN	F2	coral-microbial boundary				thin CCA-crusts
20								thin microbialite crusts
30								
40								
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								



Hawaiian Drowned Reefs

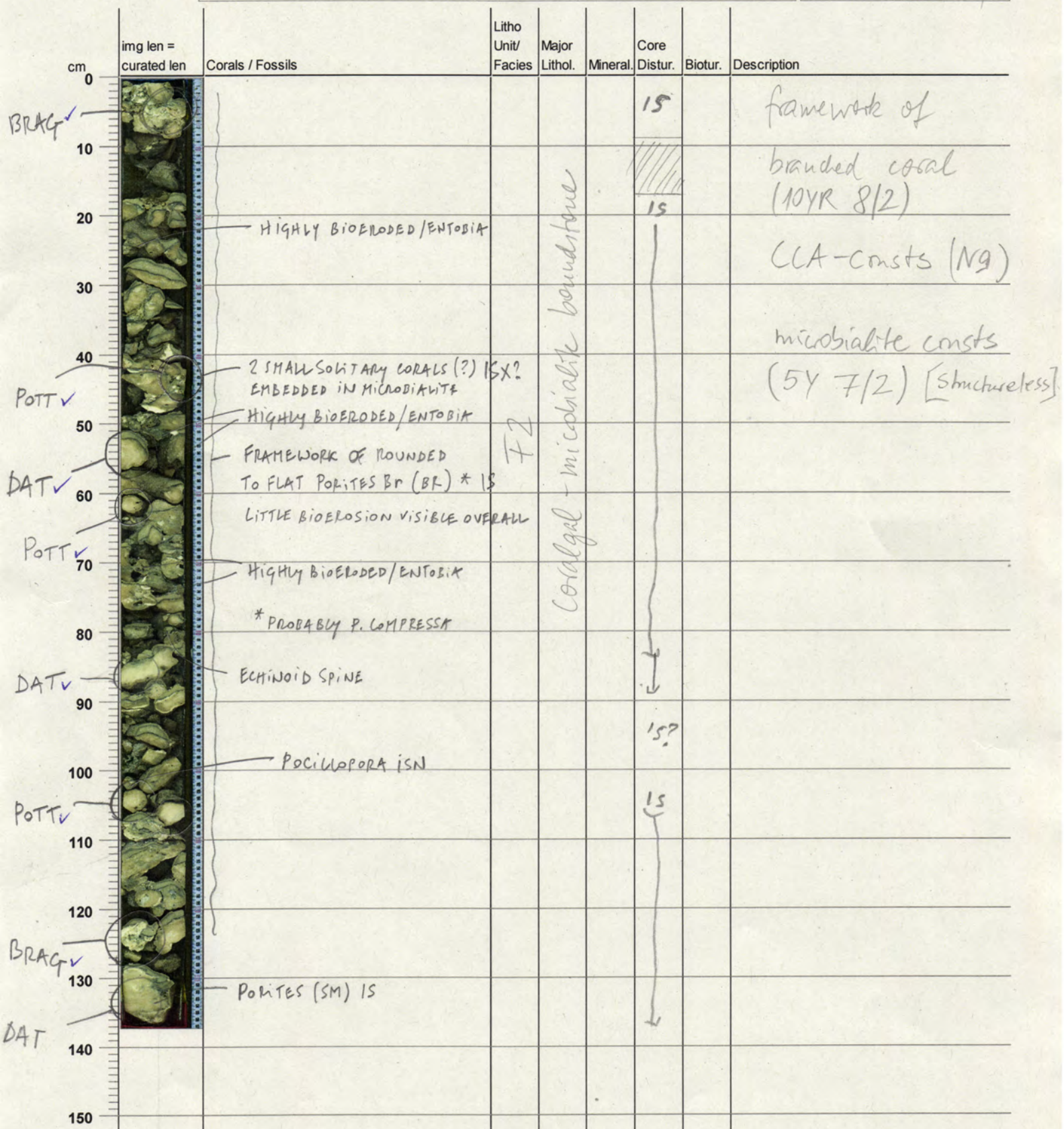
ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M98	A	18 R	1	12.05 m	12.28 m
Describer(s): <i>Grischer, Humblet, Braga</i>						Date: <i>11 Feb. 2024</i>

		img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
POTT	cm	0	MELANIDAE? (EN) IS ENCrustING PORITES Br.		Coral gal-microbialite hard blue				fragments of coral,
BRAG	10		PORITES (BL) ISN	F2					CCA-cnst, and
DAT (15N)	20		* pc 2 mm (COULD BE PANDORA?)						microbialite
	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	M98	A	19 R	1	12.98 m	14.35 m
Describer(s): Girdick, Humblet, Braga					Date: 11 Feb 2024	





Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M98	A	19 R	2	14.35 m	14.6 m

Describer(s):

Grischer, Humblet, Braga

Date:

11 Feb. 2024

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0								
10		BIOERODED / ENTORIA						fragment of coral (Porites),
20		PORITES (BR) IS	F2	Coralgal - microbially bound stone				CCA-crust, and microbialite crusts (structureless)
30								
40								
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								



Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

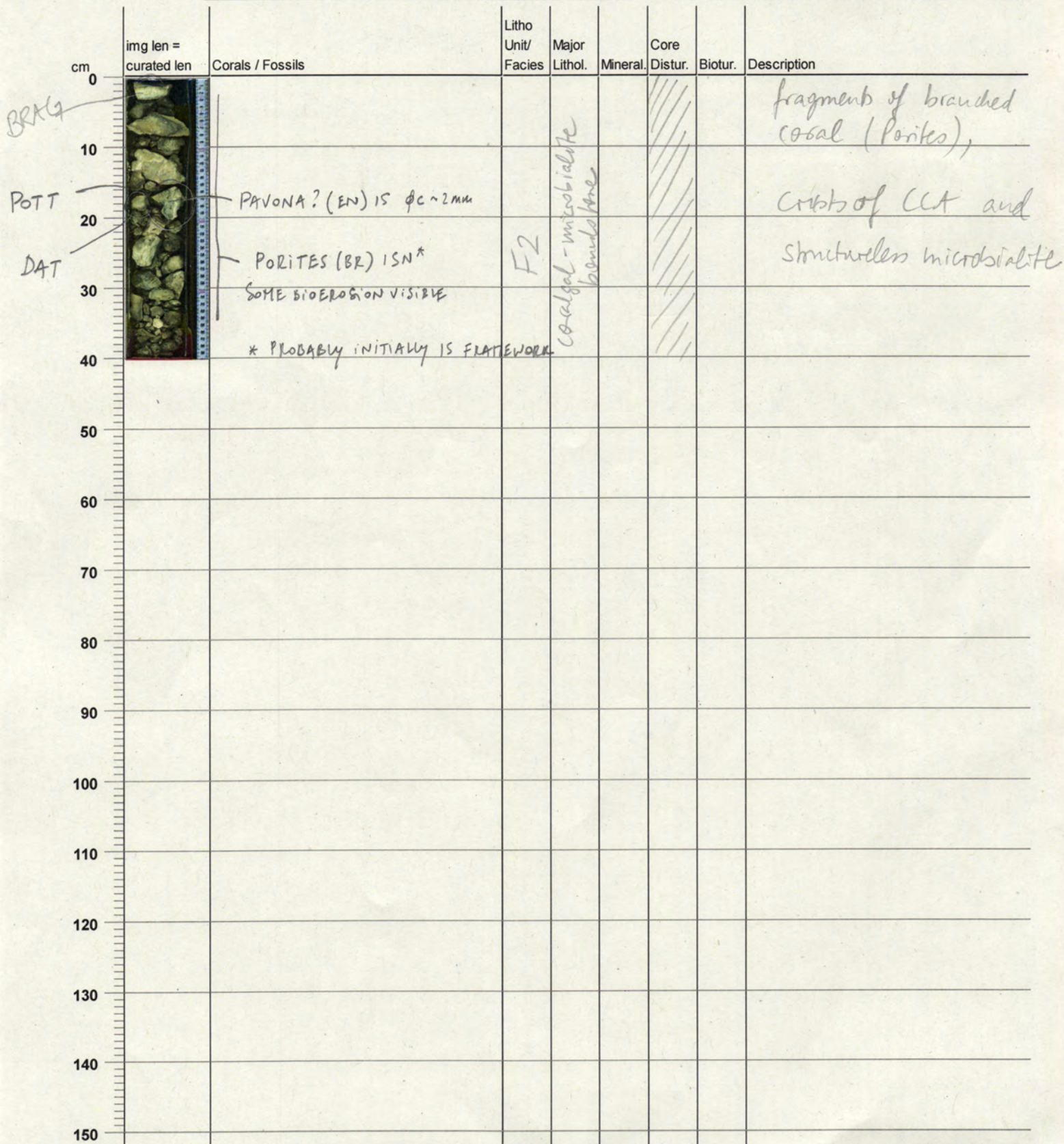
Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M98	A	20 R	1	14.75 m	15.09 m

Describer(s): *Giselle, Humblet, Braga*Date: *11 Feb. 2024*

	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0								fragments of branched (coral) (Porites)
10		— PORITES (BR) ISN*	F2	coral-micobialite boundstone				
20								fragments of structureless microbialite crusts
30								fragments of CCA-crusts
40		* CRUSHED IN SITU FRAMEWORK						
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	M98	A	21 R	1	16.21 m	16.61 m
Describer(s): <i>Griswold, Humblet, Braga</i>						Date: <i>11 Feb 2024</i>





Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M98	A	22 R	1	16.92 m	17.24 m
Describer(s): <i>Giulcher, Humblet, Braga</i>						Date: <i>11 Feb 2024</i>

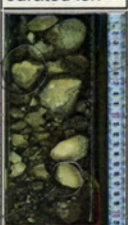
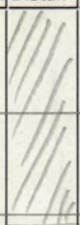
cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0								fragments of coral (Porites),
10								thin CLA-crusts
20		PORITES (BR?) ISN SOME PIECES SHOW BIOEROSION (ENTOMBIA)	F2	coral-microbialite bound zone				thin microbialite (Stromatolites) crusts
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	M98	A	23 R	1	19.01 m	19.22 m
Describer(s): <i>Grisham, Humblet, Braga</i>						Date: <i>11 Feb. 2024</i>

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0		<i>BIOERODED / ENTOMBIA</i> <i>- PORITES (BR) ISH</i>	<i>F2</i>	<i>coralgal-microbial biomaterial</i>				<i>fragments of Porites corals</i>
10								<i>thin crust of CCA and structures microbialite</i>
20								
30								
40								
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								