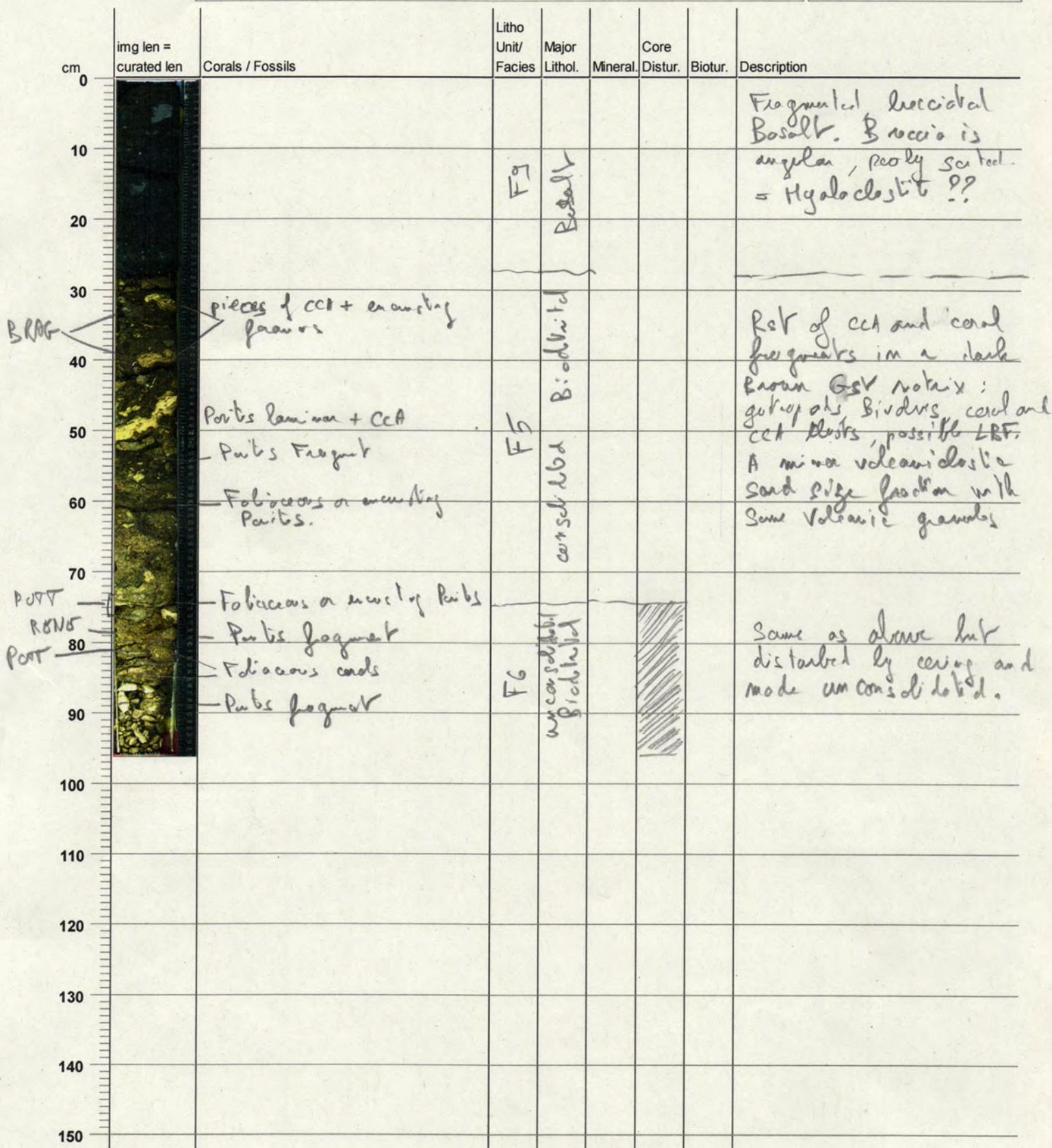




Hawaiian Drowned Reefs						
ONSHORE VISUAL CORE DESCRIPTION						
Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M101	A	2 R	1	0.06 m	1.02 m
Describer(s): <i>YM-PK-JP</i>					Date: <i>22/02/2024</i>	





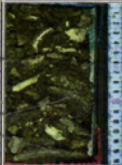
Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M101	A	3 R	1	1.9 m	2.06 m

Describer(s): YH-PK-DP

Date: 22/02/2024

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0								
10				Bioclastic unconsolidated				RSF of coral and foraminiferal coral fragments in a bioclastic or consolidated matrix (Bioclastic Gst) + minor volcanoclastic fraction.
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	M101	A	4 R	1	2.73 m	3.35 m

Describer(s): YH- DP - PK	Date: 22/02/2024
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cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0								Some fragmented corals, CCA, basalt fragments in a bioturbated matrix. Unconsolidated. → Fall in?
10		Basalt clast	F0	Fall in				
20								
30								
40		Laminar coral separated by sub-mm CCA.						Bit of CCA + coral fragments in a brown to grey BSR matrix: gas-impregnated coral and CCA clasts, LBP, volcaniclastic host.
50			F6	Bioclasts unconsolidated				
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								



Hawaiian Drowned Reefs

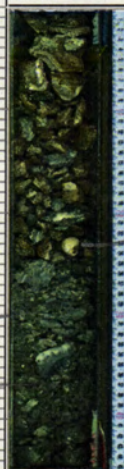
ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M101	A	5 R	1	4.69 m	5.14 m

Describer(s): YH-DP.PK

Date: 22/02/2024

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0								Fragmented pieces of coral and CCA.
10		Fragment of laminar corals	40	Fall-in				Gastropods.
20		gastropod						
30		Some thin Micridiata on laminar corals.						Rest of CCA + coral + Micridiata in a Bioblastic + Volcanic matrix.
40			56	Bioblastic unconsolidated				
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								



RBNS
PORT (sed)



Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M101	A	6 R	1	5.63 m	5.88 m

Describer(s): YH-DP-PK

Date: 22/02/2024

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0								
10		laminar coral + CPA + Niobolite	F2 (Fragmented)	crinoid Niobolite				Fragmented corals Niobolite
20		Pieces of Niobolite crinoid spine						
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	M101	A	7 R	1	5.85 m	6.38 m

Describer(s): YH-DP-PK

Date: 22/02/2024

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0								
10			F0					thin laminar corals
20		laminar corals (possibly Leptoseris?) + CCA.						encrusted by num. thick CCA and cm. thick Microbial.
30		Mollusc shells fragment in the sediment.	F2					Bioclastic and Volcaniclastic sediment in the Furr cavities (unconsolidated)
40								Microbial encrusted some Bioclasts and Volcanic clasts.
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	M101	A	8 R	1	6.34 m	7.04 m

Describer(s): YH-DP- PK

Date: 22/02/2024

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
0								
10								
POTT								
20		laminar corals + CCA		B1				Fragmented thin lamina corals encrusted by cm- thick CCA and micritic Bioclastic and Volcaniclastic sediment in the FWC cavities (Unconsolidated)
30		Bioclastic Matrix (Mollusc shells, fragments of coral, CCA...)	F2	consolid micritic				
DAT								
40								
50								
POTT								
(sed)								
DAT								
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	M101	A	9 R	1	7.05 m	7.21 m

Describer(s): YH-DP-PK

Date: 22/02/2024

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0		Fragment of laminar coral + CCA	F20	Coralline Rif. sp.				Frequent laminar coral, CCA and Tricelidites.
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	M101	A	10 R	1	7.33 m	7.84 m
Describer(s): YH-DP-PK						Date: 22/02/2024

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0		Laminar coral fragments		Bi				Fragmented laminar corals + CCA + Microbials.
10								
20								
30								
40								
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

DAY

POTR

RBNB

Laminar coral (at
least 2 species, Pores
+ undisturbed)
thin CCA corals

F2

Microbials
consolidated

Laminar corals encrusted
by CCA + Microbials.
→ consolidated Microbials Bcr.
Some unconsolidated
Bioturated + Volcaniclastic
sediment in Fur canals



Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M101	A	11 R	1	7.9 m	8.64 m
Describer(s): YH- DP - PK						Date: 22/02/2024

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0								Fragmented laminar coral + CEA + Microbialite, as loose pieces in a sandy matrix
10		CEA	F0	Fall - in				
20								
30								
40		Laminar coral (Montipora?)		BSR				Mostly laminar coral + thin CEA and Microbialite. Unconsolidated bioturbated to volcaniclastic sediment.
50			F2	Microbialite				
60		Laminar coral + CEA		central				
70								
80								
90								
100								
110								
120								
130								
140								
150								

RONS
BRAG
2 POT
coral +
sed
DAT



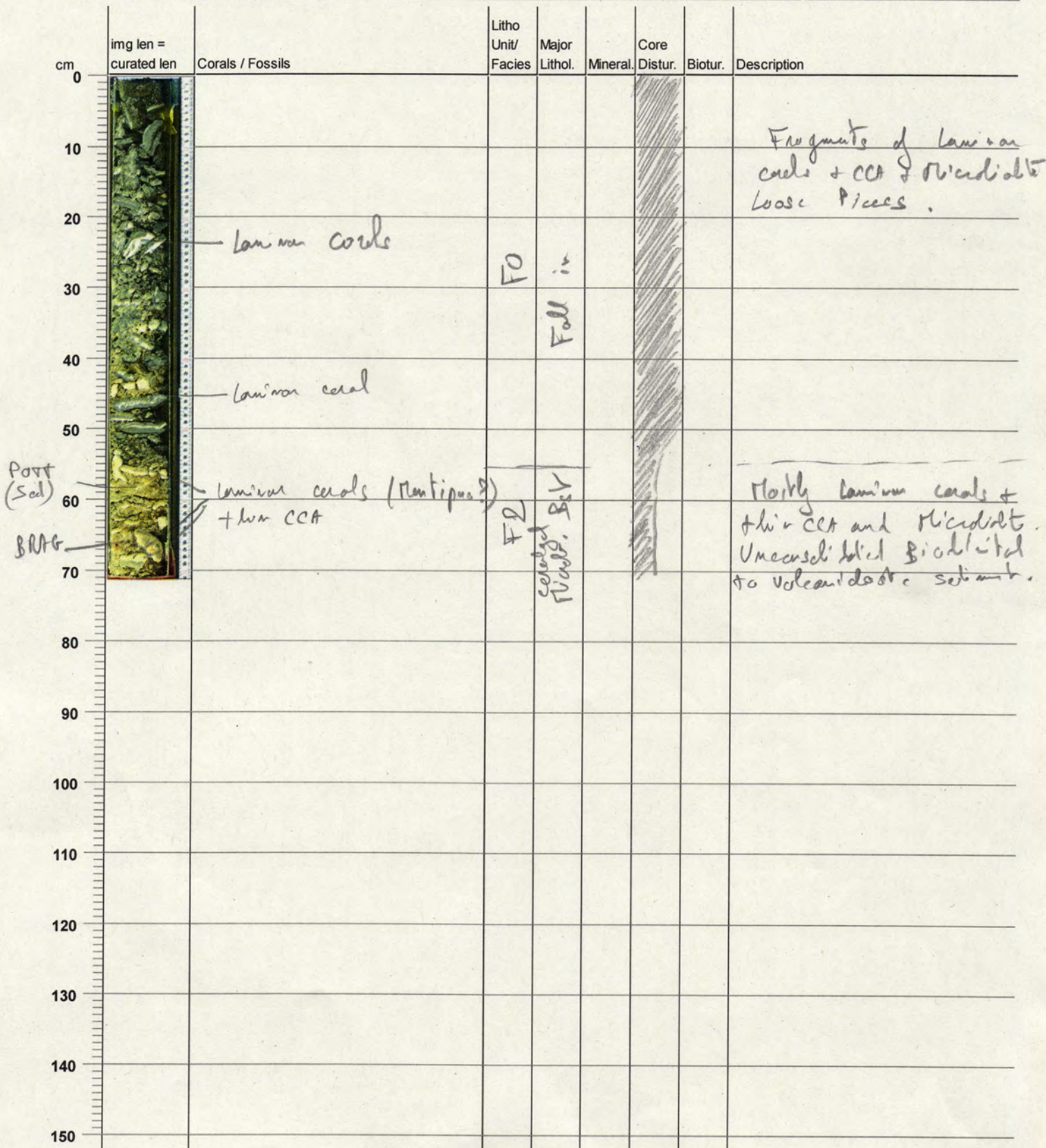
Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M101	A	12 R	1	8.54 m	9.25 m

Describer(s): YH-PK-DP

Date: 22/02/2024





Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M101	A	13 R	1	8.77 m	9.42 m

Describer(s): YH. DP-PK	Date: 22/02/2024
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cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0								
10		Laminar corals; several Species.						
20								Laminar and branching corals (Various species) with thin CCT and Picked it
30		Parts Laminar						Unconsolidated Bioclastic to Volcaniclastic sediment
40								
50		Laminar coral + CCA						
60		Possibly branching coral fragments encrusted by CCA and FCA						
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	M101	A	14 R	1	9.51 m	9.87 m

Describer(s): YH-DP-PK

Date: 22/02/2024

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0		CCA						
10								
POT		laminar coral (Not Porites)						
20		gastropod (+operculum)						
DAT		CCA						
30		laminar coral (Not Porites)						
		Laminar Porites						
40								
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

laminar (possibly branching)
coral (various species)
with thin CCA and Thicellin
unconsolidated bioherm
to volcaniclastic sediment



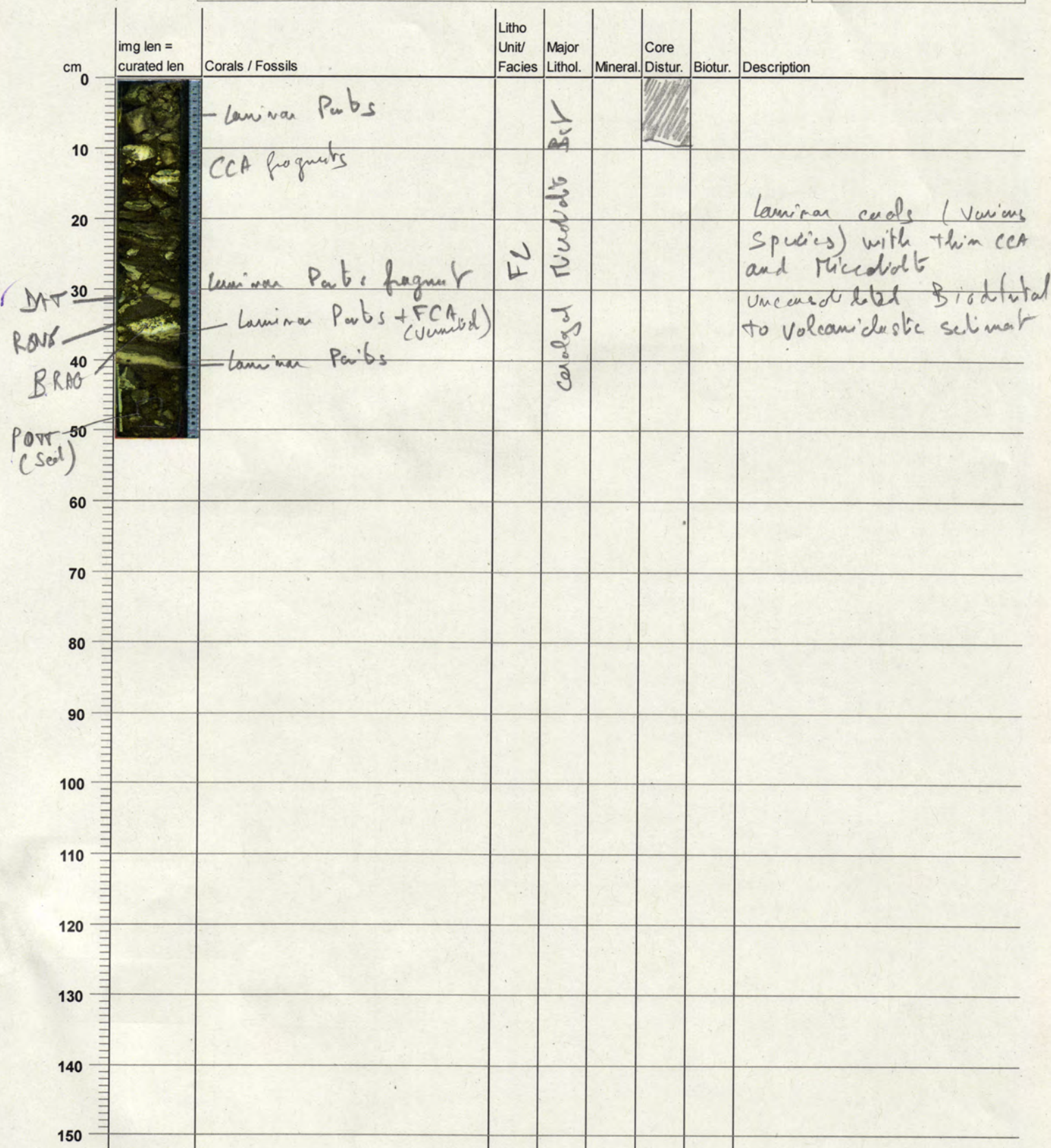
Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M101	A	15 R	1	9.9 m	10.41 m

Describer(s): YH- DP-PK

Date: 22/02/2024





Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M101	A	16 R	1	10.49 m	10.8 m

Describer(s): YH-DP-PK

Date: 22/02/2024

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
0		Lamina Cyphostrea						
10		Lamina Fletipora	F2	crystallic Bioc				laminar corals (Various Species) with very thin to absent CCA and thin cm-thick microlite unconsolidated Bioclastic To Volcaniclastic sediment
20	POSS Corals							
30	POSS (Sediment)							
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	M101	A	17 R	1	10.96 m	11.21 m

Describer(s): YH- DP-PK	Date: 22/02/2024
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cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0		Pieces of laminar coral with thickened centers	F2	coral (?)				Fragments of laminar corals encrusted by micritic crusts. Embedded in bioturbated (volcaniclastic?) matrix.
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	M101	A	18 R	1	11.2 m	11.46 m

Describer(s): YH-DP-PK

Date: 22/02/2024

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0		laminar coral						
10		CCT Fragment						
20		Fragment of laminar coral	F2	coral				Fragment of laminar coral encased by thin fibrous Embedded in Bioherm (Vulcanobryon?) matrix
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	M101	A	19 R	1	11.78 m	12.5 m

Describer(s):	YH-DP-PK	Date:	22/02/2024
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cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0								
✓ POTT (sed)								
10		Laminar coral						
✓ DAT								
20								
30		Laminar coral						Dominantly laminar corals with thin CCA and Microbials.
40			F2	Microbial				Microbial also encrusts some Bioclasts (mollusc shells, coral and CCA fragments...)
50		Laminar coral + CCA						Unclassified Bioclasts (Volcanoclastic ?) sediment
60		Laminar coral		crystalline				corals = various species
✓ POTT (sed)								
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	M101	A	20 R	1	12.67 m	13.01 m

Describer(s): XH-DP. PK

Date: 22/02/2024

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0		Fragment of laminar to fine grained P. p. in a matrix by the substrate						Dominantly coral pieces
10		encrusting Cyphostrea sulmassive P. p.	L	dy				thin CCA, rare thin thickened.
20		P. p. fragments		curved				Embedded in bioturbated (+ volcaniclastic?) matrix
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	M101	A	21 R	1	13.64 m	14.05 m
Describer(s): YH- DP- PK						Date: 02/02/2024

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0		CCA + Microbials						
10								
20		Fragment of laminar coral + CCA	12	Microbials				Fragment of laminar corals encrusted by thin CCA + Microbials. Embedded in a Bioturbated volcaniclastic matrix
30								
40		laminar coral, CCA + Microbials		coral				
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	M101	A	22 R	1	14.49 m	14.99 m

Describer(s): YH-DP-PK

Date: 22/02/2024

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0			FO	Fall-in				Reworked, fall-in
10								
20		Laminar coral + thin CCA						Fragments of laminar corals encrusted by thin CCA and Rhizodiathe
30		Laminar coral	FE	condensed Rhizodiathe				Embedded in a Bioturbated and Volcaniclastic unconsolidated sediment
40								
50		Possible drill bit pieces						
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	M101	A	23 R	1	15.82 m	16.17 m

Describer(s):

Hamon | Potts | Khanna

Date:

22-2-2024

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0		Montipora (?) - laminar						Fragments of laminar corals encrusted by them
10		Porites + echinoid spine						CIA and microbialite Embedded in a
20		} laminar coral clasts + unconsolidated biodeposit	H-2	coralgal biodeposit				biodeposit + (volcaniclastic?) Sediment.
30								
40								
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								



Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

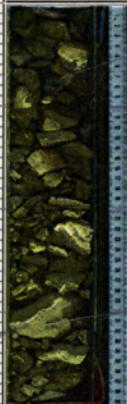
Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M101	A	24 R	1	16.29 m	16.68 m

Describer(s):

Hamon / Potts / Khanna

Date:

22-2-2024

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0		Basalt clast						Coralgal-Microbial Roundstone (fragmented)
10		fragmented Laminar Corals (Pocillopora + others) species						with Laminar corals encrusted by thin CCA
20								+ micritic +
30		Cyphostrea + CCA + micritic	F-2	Coralgal-Microbial-Bd				biacritial + (Volcanoclastic?) matrix.
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	M101	A	25 R	1	16.63 m	17 m

Describer(s):

Homon | Potts | Kharne

Date: 22-2-2024

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0								
10								
20								
30								
40								
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

img len =
curated len

Corals / Fossils

Litho
Unit/
FaciesMajor
Lithol.

Mineral

Core
Distur.

Biotur.

Description

DAT

Potts
(sed)

Fragmented laminar
Corals + thin CCA +
microbialite crust +
echinoid spine

biotrital sed in Matrix
with laminar. Porites
clasts

F-2

Congal. Microbialite
Reef

Fragmented laminar
corals cemented by
thin CCA and microbialite.
The bottom part has
biotrital sed. in Matrix.
with laminar coral
clasts.



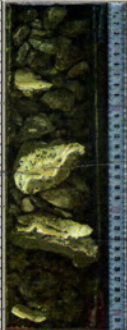
Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M101	A	26 R	1	16.94 m	17.26 m

Describer(s): Hamon, Potts, Klonna

Date: 22-2-2024

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0		Fragmented coral clasts						Congl - Microbial boundstone with fragmented laminar
10								
20		Cyphastrea (?) with CCA + microbials						Corals + thin CCA + microbials + matrix
30		Laminar coral with CCA + microbials						(bioclastic + volcanoclastic?)
40								
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

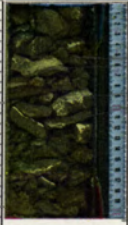
DAT



Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M101	A	27 R	1	17.34 m	17.55 m
Describer(s): <i>Homon Potts Khanna</i>						Date: <i>22-2-2024</i>

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0		<i>Fragmented Laminar corals + thin CCA + micritic debris</i>	<i>F-2</i>	<i>Laminar Micritic</i>				<i>Coralgal - Micritic Boundstone with fragments of laminar coral + CCA cement + micritic debris. High drilling disturbance</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	M101	A	28 R	1	17.59 m	17.95 m

Describer(s):

Homon | Potts | Khanna

Date: 22-2-2024

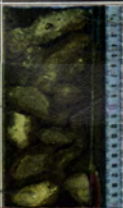
cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0								
10		Laminae Porites + CCA + Microbialite		Microbial Boundary				Laminae to branching Porites with thin CCA and microbialite
20		Branching Porites with CCA (2-4 mm) + microbialite Laminae Porites	2 Li	Coralline				+ some biotrital matrix
30		Branching corals (Porites) + CCA (thin) + microbialite						
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	M101	A	29 R	1	17.96 m	18.16 m
Describer(s): Hamon / Potts / Khanna						Date: 24-2-2024

img len = curated len		Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
cm	0		L2	Coralline - Microbial Bdt				Fragmented branching Porites with thin CCA + microbialite crust.
DAT	10							
	20							
	30							
	40							
	50							
	60							
	70							
	80							
	90							
	100							
	110							
	120							
	130							
	140							
	150							