Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M102	A	1 R	1	0 m	0.44 m

Describer(s): Gischler, Humblet, Braga

Date: 21 Feb. 2024

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
0		fragment of gst.						unconsolidated sediment (with many bioclasts* including foram)
10		Color 10 YR 6/2						
20			F 11	rhodolith fl.				cm-sized rhodoliths
30								
40								* mollusk shells common; some coral and calc. algal fragments
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

GISC

RENE

BRAG

POTT

Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M102	A	2 R	1	0.48 m	1.18 m

Describer(s): Gischler, Humblet, Braga

Date: 21 Feb. 2024

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
0								rhodolith floatstone with cm-sized algal nodules embedded in bioclastic sediment; contains black volcanic grains that cause greyish stain
10		nucleus · CORAL						
20		SEVERAL CORAL FRAGS (BF) 1SX	F 11	rhodoliths				
30								
40		Color = N6						
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

BRAG

POTT

DAT (CORAL)

POTT

RENE

BRAG

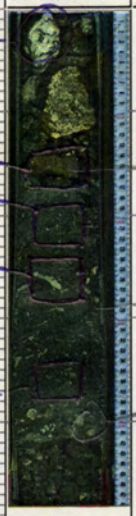
Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M102	A	3 R	1	1.88 m	2.36 m

Describer(s): Gischler, Humblet, Braga

Date: 21 Feb. 2024

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
0								rhodolith floatstone: cm-sized red-algal nodules embedded in bioclastic, unconsolidated sediment with coral, mollusk fragments
10		grainstone fragment						
20		NUMEROUS FRAGS OF AGARICIIDAE (FOL)		ISX *				
30		vermetid encrustation	F11	rhodoliths				
40		bryozoan encrustation						
50		* COULD BE CLOSE TO THEIR IS LOC						
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

BRAG

GISC

RENE

DAT

~~POTT~~ (CORAL)

POTT

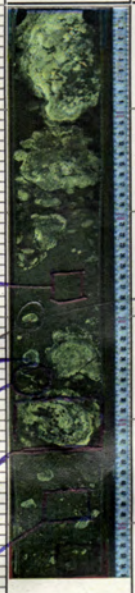
Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M102	A	4 R	1	2.67 m	3.22 m

Describer(s): Grijalva, Humblet, Braga

Date: 21 Feb. 2024

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
0								rhodolith floatstone
10			F11	rhodoliths				cm-sized red algal nodules with bryozoan crusts of some encrusting forams, - few Homotrema (H)
20								
30		CORAL (CBP)						embedded in bioclastic sediment with mollusk shells, forams, black volcanic grains
40		SMALL CORAL FRAGS AT CENTER OF RHODOLITHS						
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

RENE

DAT

SAM

BRAG

JONT

Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M102	A	5 R	1	4.64 m	5.21 m

Describer(s):

Date:

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
0			F0	fall-in				fragmented rhodoliths mostly
10								
20								bioclastic sediment with grains, mollusk shells, coral (Leptoseris),
30		NUMEROUS FRAG OF LEPTOSERIS (FOL) 1SX (mm to 1.5 cm in size)	F6	unconsolidated	bioclastic			
40								black volcanic grains
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

BRAE

RENE

POTT

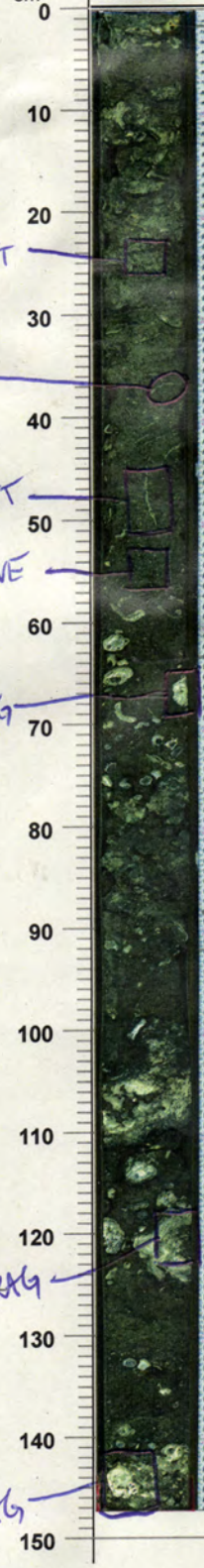
Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M102	A	6 R	1	6.35 m	7.82 m

Describer(s): Gilsunker, Humblet, Braga

Date: 21 Feb. 2024



cm	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
0	Cypraea shell						bioclastic sediment with mollusk shells, coral pieces, forams
10	thin foliaceous coral pieces (Leptoseris)						
20	PATT	F6	bioclastic unconsol.				black volcanic grains
30	DAT						
40	NUMEROUS LEPTOSERIS (FOL) PROBABLY CLOSE TO IS						
50	PATT						
60	RENE						
70	Polinices shell						
80	BRAG						rhodolith floatstone
90	bryozoa branched						large (cm-sized) and smaller rhodoliths (with bryozoa)
100	Leptoseris (FOL) ISX	F11	rhodoliths				embedded in bioclastic sediment (as above)
110							
120	BRAG						
130							
140	BRAG						
150							

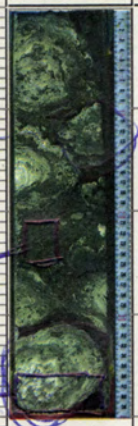
Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M102	A	7 R	1	8.2 m	8.6 m

Describer(s): Gischler, Humblet, Braga

Date: 21 Feb. 2024

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
0								cm-sized, large algal nodules with few remetids of Homotrema, bryozoa, encr. forams
10								
20			F 11	rhodolithus				embedded in bioclastic sediment with
30								
40								black volcanic grains
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

BRAG

RENE

BRAG

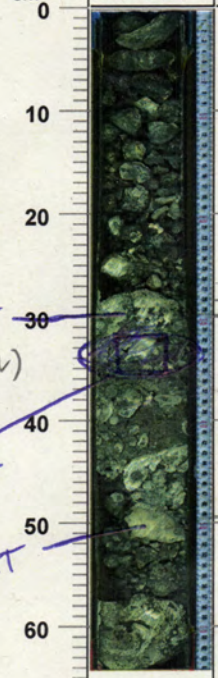
Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M102	A	8 R	1	10.5 m	11.14 m

Describer(s):

Date:



cm	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
0		FO	fall in				fragments of rhodoliths
30	?Cyphastrea (EN) ISX?						
40	branded Porites (DF) ISX	FM	rhodoliths				algal nodules×, fragments of coral
50	Porites (BR?) ISX						embedded in bioclastic sediment with black volcanic grains
70							× with bryozoa, encr. forams, few Homotrema,

DAT (CORAL)

BRAG

DAT

Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M102	A	9 R	1	12.89 m	13.5 m

Describer(s): Giselher, Humblet, Braga

Date: 21 Feb. 2024

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
0								cm-sized algal nodules with bryozoa, encr. forams,
10								
20			F11	rhodoliths				embedded in bioclastic sediment
30								(with volcanic grains)
40		bryozoa						
50		coral, plocoid CYPHASTREA 1SX ø c. 1.5 mm						
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

BRAG

PORITES

BRAG

POTT (coral)

ASAM (shell)

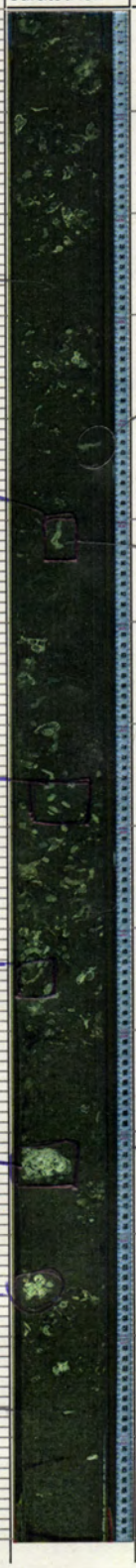
Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M102	A	10 R	1	15.64 m	17.14 m

Describer(s): Gischler, Humblet, Braga

Date: 21 Feb. 2024



cm	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
0							
10							Sediment with many bioclasts (corals, bryozoa, mollusk shells, CCA-fragments), ~~fine black grains (volcanic)~~
20							
RENE 30			bio detrital				
40	CYPHASTREA ISX						
POTT 50	corals common	F6					
60	MONTIPORA? (BF) ISX (~~SEE ORIENTATION AT SURF.~~ → Micro-pic.),		unconsolidated				
70							
POTT 80	NUMEROUS MONTIPORA? (BF) ISX SMALL FRAGS (MOSTLY THINLY ENCRUSTED BY CCA)						
ASAH (SHELL) 90							
100							
BRAG 110							red algal nodules
BRAG 120		F11	rhodoliths				embedded in bioclastic sediment as above
RENE 130							
140							
150							

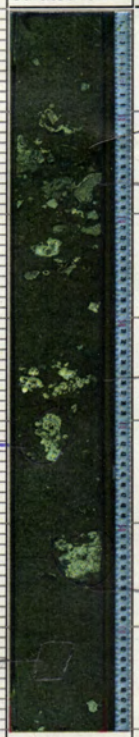
Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M102	A	10 R	2	17.14 m	17.84 m

Describer(s): Gischler, Humblet, Braga

Date: 21 Feb. 2024

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
0								red algal nodules (cm-sized), with encr. forams, bryozoa, coral
10		DIASERIS (SOL) ??						
		coral CYPHASTREA ISX						
20								embedded in bioclastic sediment with mollusk shells, forams, coral, echinoid,
30		bryozoa	R. 11	rhodoliths				
40								fine black volcanic grains
50		Leptoseris						
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

BRAG

BRAG

POTT

Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M102	A	11 R	1	18.39 m	18.96 m

Describer(s): Gigules, Humblet, Braga

Date: 21 Feb. 2024

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
0								large, cm-sized algal nodules with encr. forams, bryozoa, coral
10								
20			F 11	rhodoliths				embedded in bioclastic sediment, ~~with mollusk~~ shells,
30								
40		⊢ FRAGMENTED LEPTOSERIS (FOL)	ISX					dark, volcanic grains
50		⊢ coral CYPHASTREA (EN) IS						
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

BRAG

IRENE ✓

POTT

ASAMI (SHELL) ✓

POTT ✓

Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M102	A	11 R	2	18.96 m	19.03 m

Describer(s): Gischler, Humblet, Braga

Date: 21 Feb. 2024

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
0		rhodolith	F11					one rhodolith, as above
10								
20								
30								
40								
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

BRAG

Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M102	A	12 R	1	21.15 m	21.66 m

Describer(s): Gischler, Humblet, Braga

Date: 21 Feb. 2024

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
0								large, cm-sized algal nodules, with encr. forams, Homotrema, bryozoa, some coral
10								
DAT		Cyphastrea (EN) IS (ENCRUSTING RHODOLITH)	F 11	rhodoliths				
20 BRAG								
POTT								embedded in bioclastic sediment; with black volcanic grains
30								
RENE 40								
		CYPHASTREA (EN) IS (SAME AS ABOVE)						
POTT 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	M102	A	13 R	1	22.25 m	23.05 m

Describer(s): Gischler, Humblet, Braga

Date: 21 Feb. 2024

cm	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
0	Porites ISX						large coral pieces (Porites) with staining at grain margin (dark sediment)
10							
20	Porites ISX? (M)						encrusted by CCA, with bryozoa, vermetids
30	barnacle						
40		F1	coralgal boundstone				internal sediment bioclastic, with volcanic grains
50	Porites ISX? (M)						
60	Porites						fragments of coral and CCA-crusts
70	rhodolith						
80	Porites ISX?						
90	NB: CORALS (POLITES) RIP HEAVILY BORED → DO NOT APPEAR TO BE IN SITU						
100							
110							
120							
130							
140							
150							

BRAG

DAT

POTT

RENE

DAT

BRAG

DAT

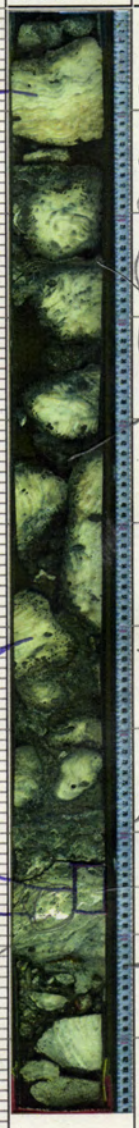
Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M102	A	14 R	1	23.54 m	24.61 m

Describer(s): Giscler, Humblet, Braga

Date: 21 Feb. 2024



cm	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
0							/ large, massive coral
DAT 10	coral (massive Porites)						(Porites); stained dark at margins, heavily bored;
20							
30	intesnal sediment						at base: encrusting coral
40			coralgal boundstone				
50	PORITES (M) ISX HIGHLY PROBORED (PIT) ENTOBIA	F1					/ few CCA-crusts with vermetids
60 DAT							
70	intesnal sediment						- intesnal sediment with various bioclasts
POTT 80							
DAT 90	encrusting corals						
BRDG	AGARICIIDAE? (EN) IS MONTIPORA? (EN) IS	FD					fragments of coral and other bioclasts
100							
110							
120							
130							
140							
150							