

IODP Expedition 389 VCD

Site: M0102A

Hole M0102A

Region: Kohala
Water Depth: 412.8 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	XCT not scanned		RDST/FLST-Rhodoliths	○		Coralline algae;Mollusc;Coral-undetermined;Foraminifera	encrustation - multilayered;bioerosion	10YR 6/2	Unconsolidated sediment rich in bioclasts (mollusc, coral and CCA fragments, larger benthic foraminifera) and cm-size rhodoliths..
0.5	Core recovered	2R-1			RDST/FLST-Rhodoliths	○		Coralline algae;Mollusc;Coral-undetermined;Foraminifera	encrustation - multilayered;bioerosion	N6	Unconsolidated sediment rich in bioclasts and cm-size rhodoliths. Coral fragments and large benthic foraminifera. Black volcanic grains.
1.0	Core recovered					◆					
2.0	Core recovered	3R-1			RDST/FLST-Rhodoliths	□		Coralline algae;Mollusc;Coral-undetermined;Foraminifera;Agariciidae-undetermined;Vermetidae;BRYO	encrustation - multilayered;bioerosion	N6	Unconsolidated sediment rich in bioclasts and cm-size rhodoliths. Coral fragments (Agariciidae) and large benthic foraminifera. Black volcanic grains. Grainstone fragment. Vermetid and bryozoan encrustation.
2.5	Core recovered										
3.0	Core recovered	4R-1			RDST/FLST-Rhodoliths	◆		Coralline algae;Mollusc;Foraminifera;BRYO;Homotrema;C	encrustation - multilayered;bioerosion	N6	Unconsolidated sediment rich in bioclasts and cm-size rhodoliths. Branching coral fragments, molluscs, and large benthic foraminifera.

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

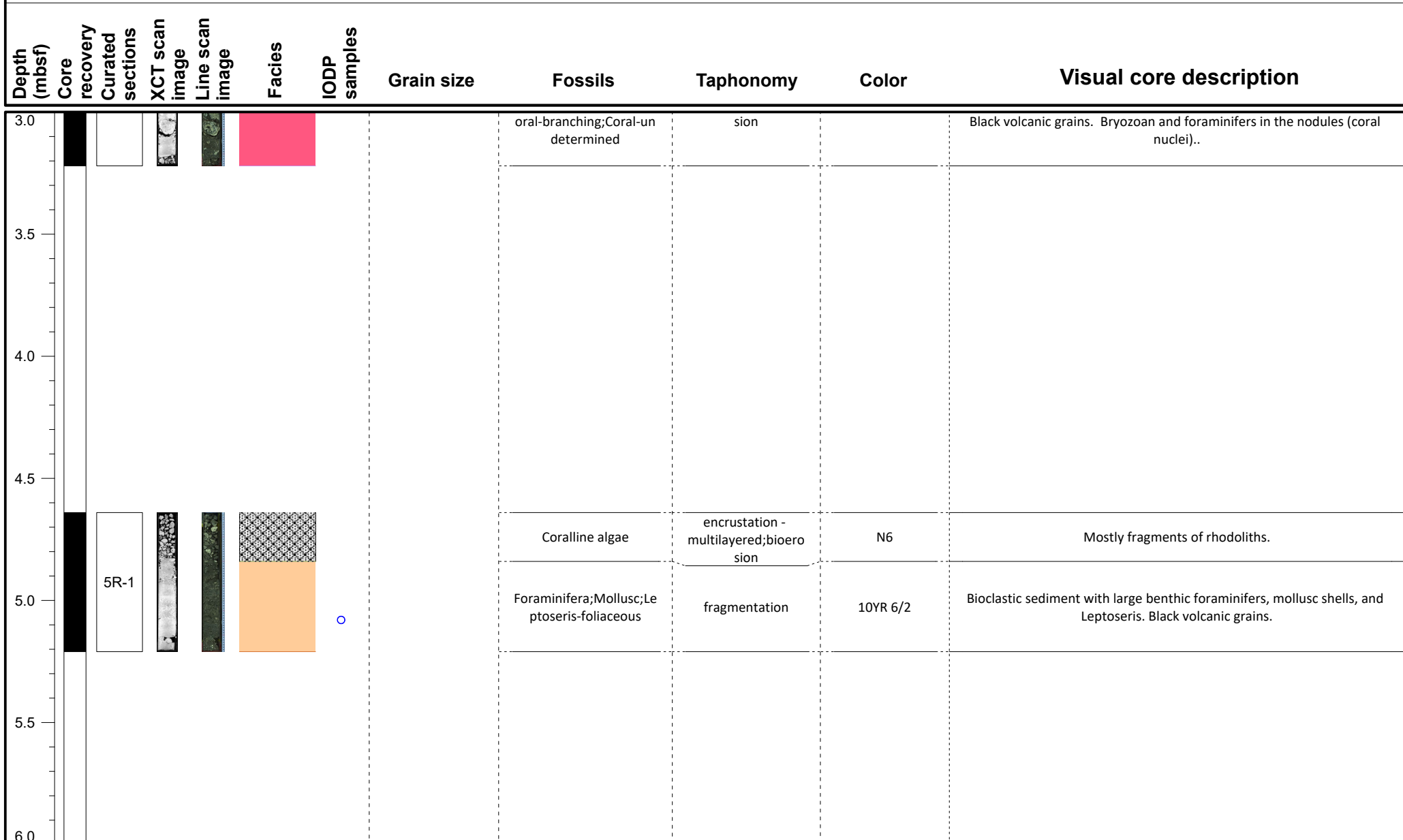
- Dating
- GEOCHEM
- IWRH
- MAD/PW
- PMAG

IODP Expedition 389 VCD

Site: M0102A

Hole M0102A

Region: Kohala
Water Depth: 412.8 m



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

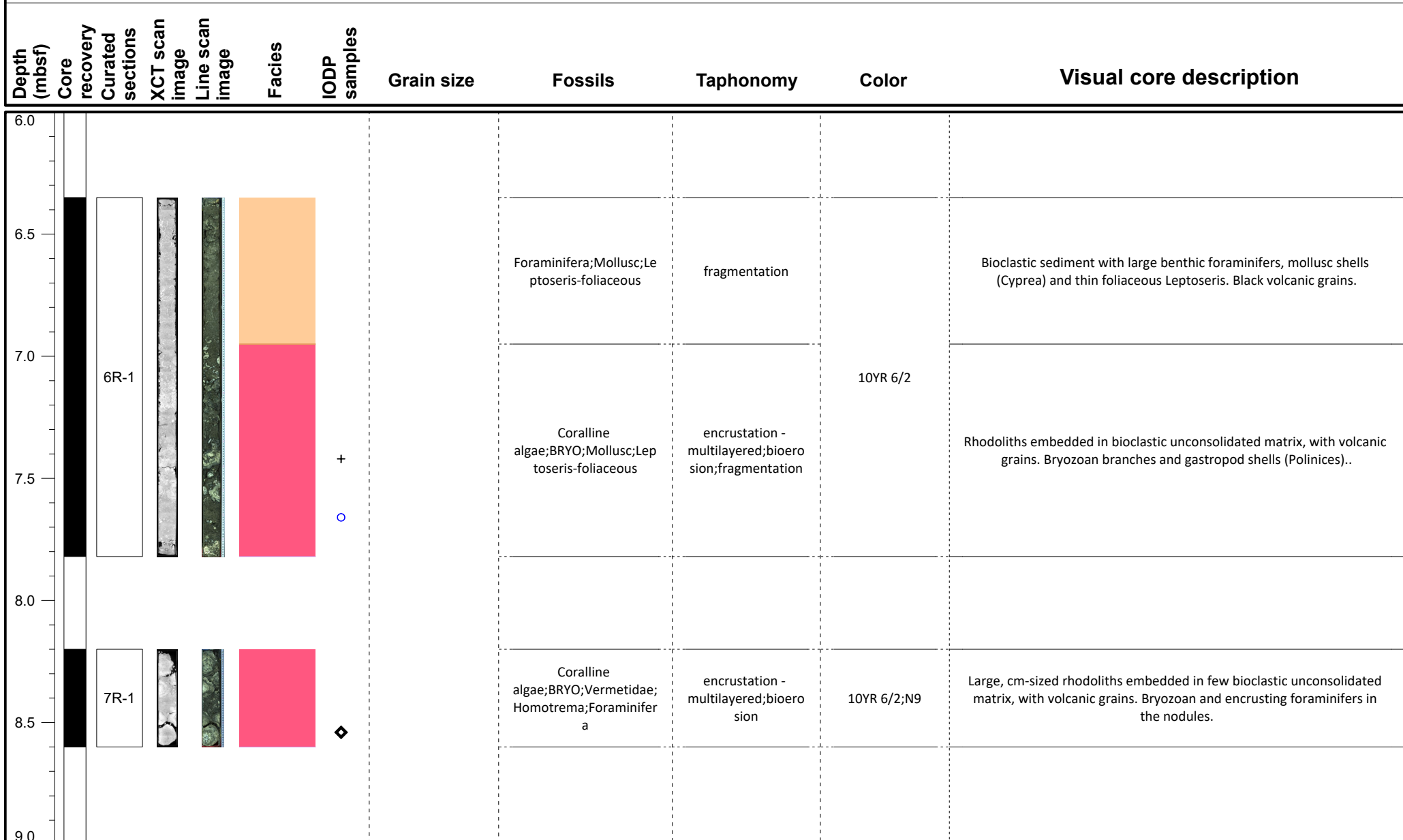
- Dating
- + MAD/PW
- GEOCHEM
- PMAG
- IWRH

IODP Expedition 389 VCD

Site: M0102A

Hole M0102A

Region: Kohala
Water Depth: 412.8 m



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

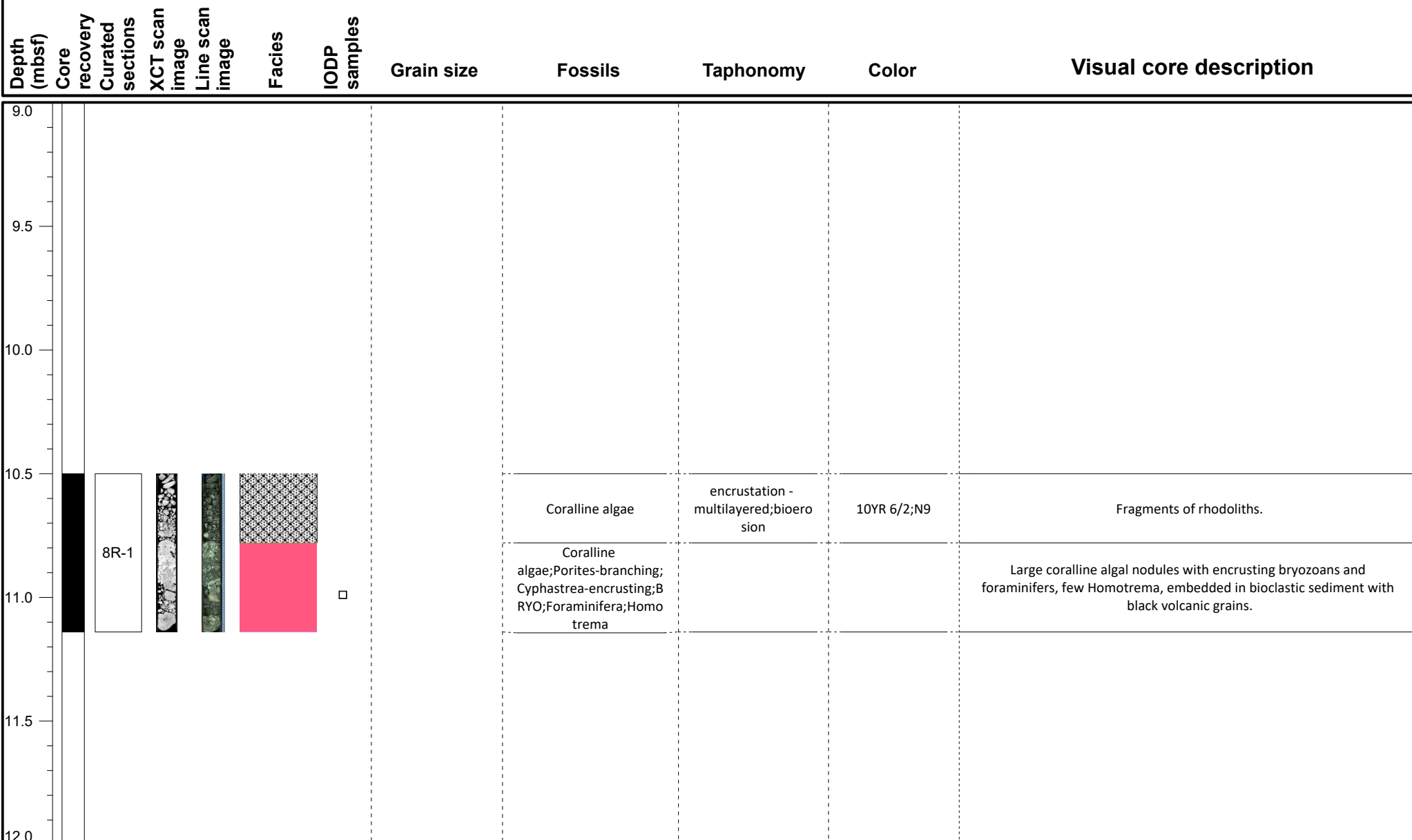
- Dating
- GEOCHEM
- IWRH
- + MAD/PW
- ◇ PMAG

IODP Expedition 389 VCD

Site: M0102A

Hole M0102A

Region: Kohala
Water Depth: 412.8 m



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

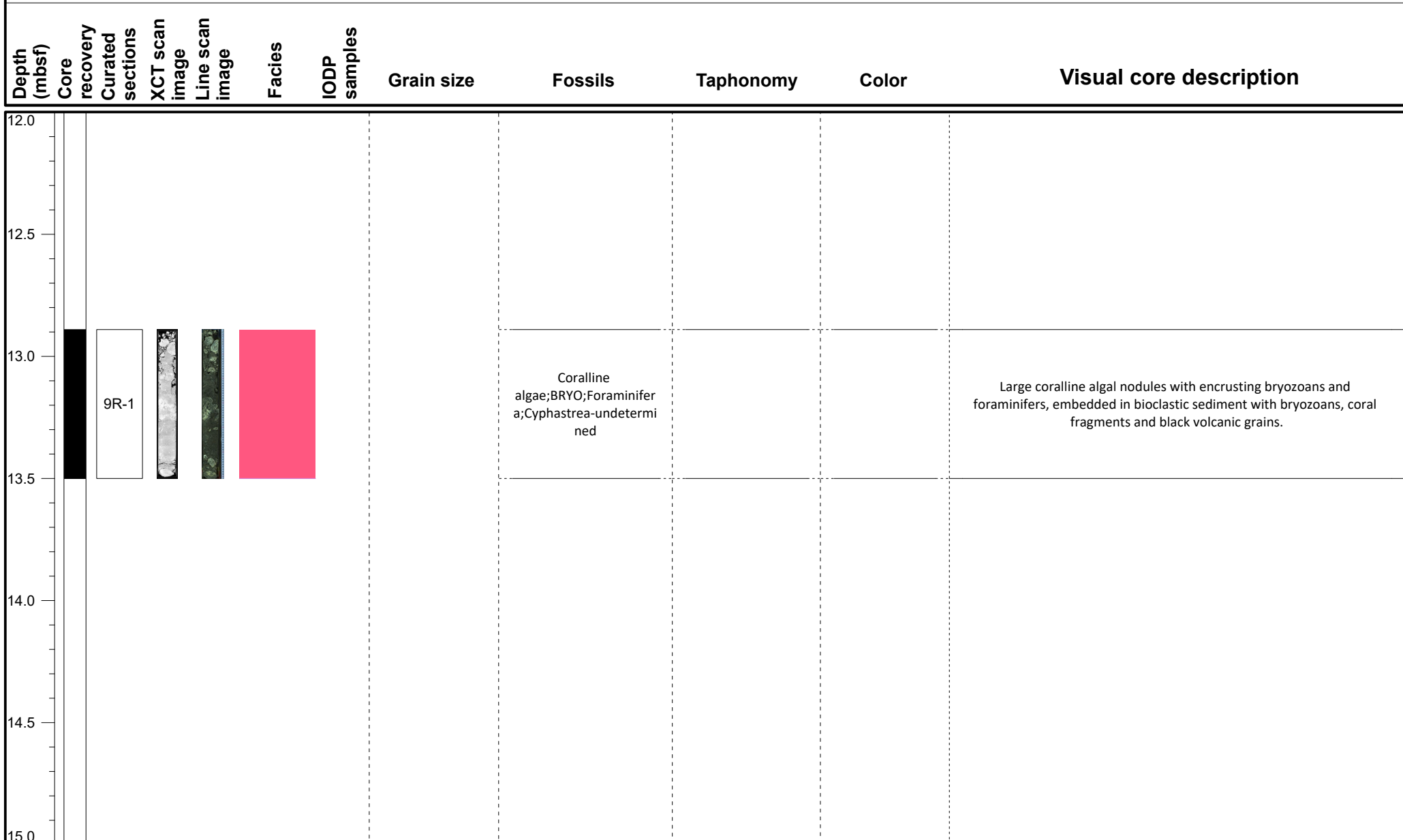
- Dating
- + MAD/PW
- GEOCHEM
- ◇ PMAG
- IWRH

IODP Expedition 389 VCD

Site: M0102A

Hole M0102A

Region: Kohala
Water Depth: 412.8 m



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

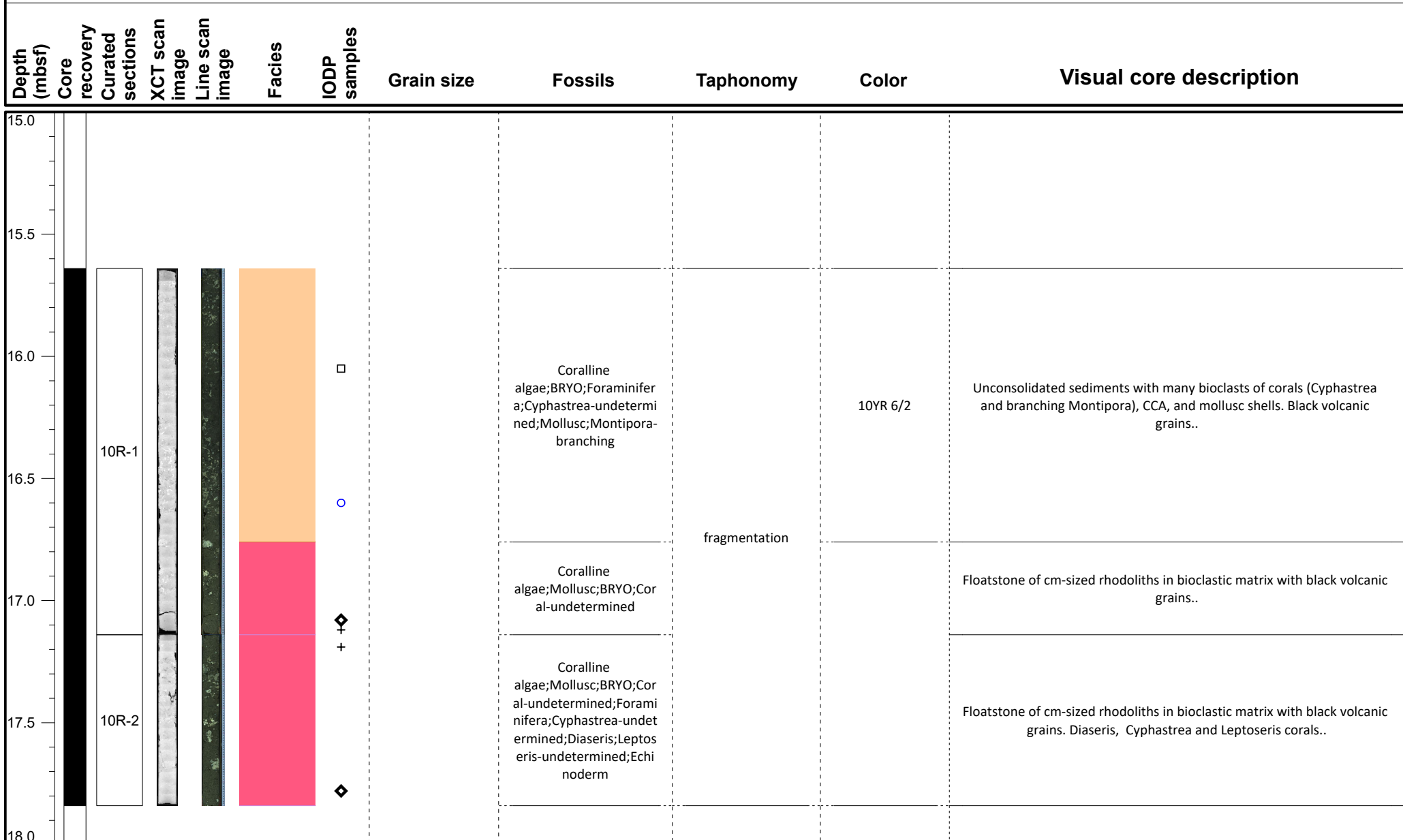
- Dating
- + MAD/PW
- GEOCHEM
- PMAG
- IWRH

IODP Expedition 389 VCD

Site: M0102A

Hole M0102A

Region: Kohala
Water Depth: 412.8 m



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

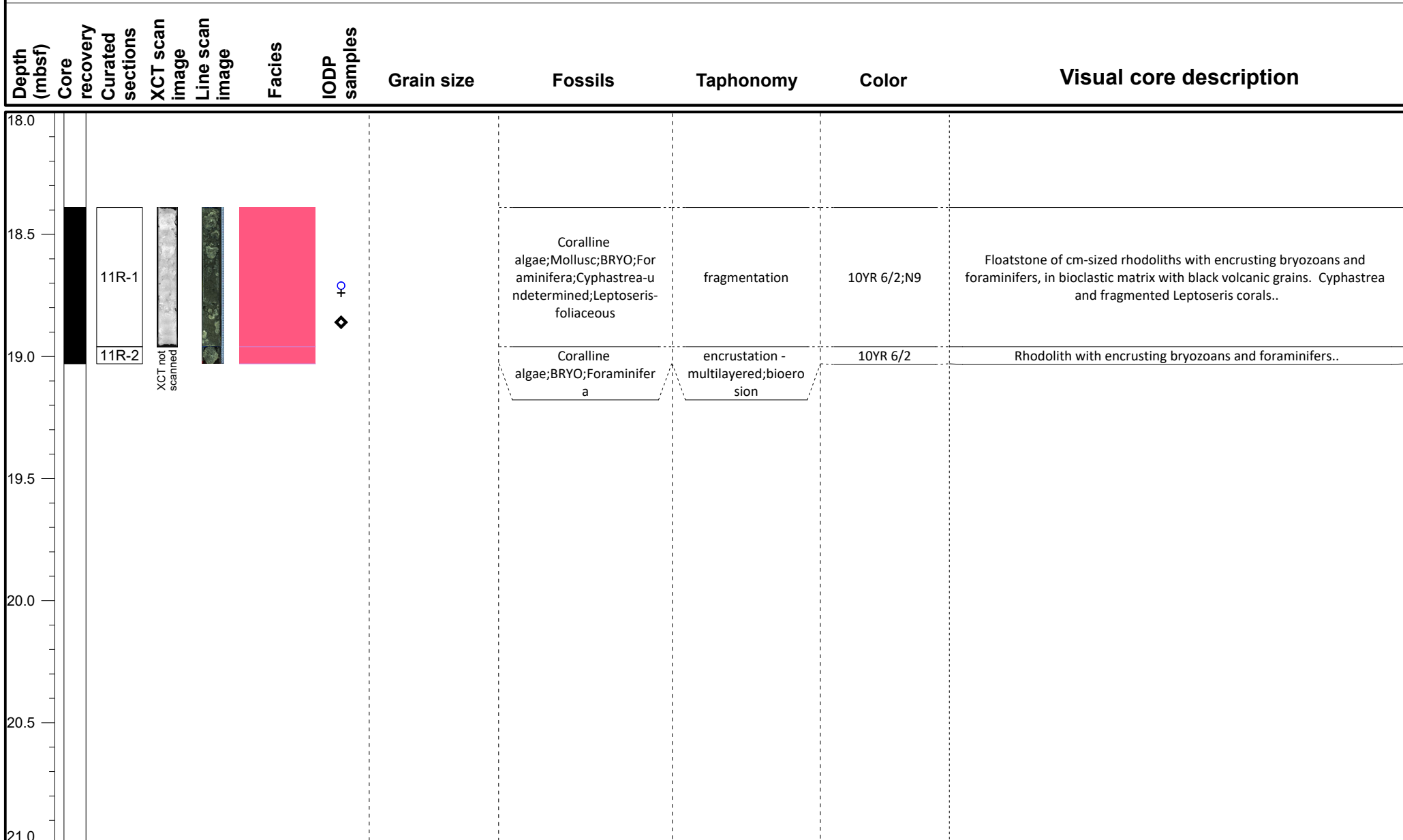
- ◀ Dating
- GEOCHEM
- IWRH
- + MAD/PW
- ◇ PMAG

IODP Expedition 389 VCD

Site: M0102A

Hole M0102A

Region: Kohala
Water Depth: 412.8 m



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

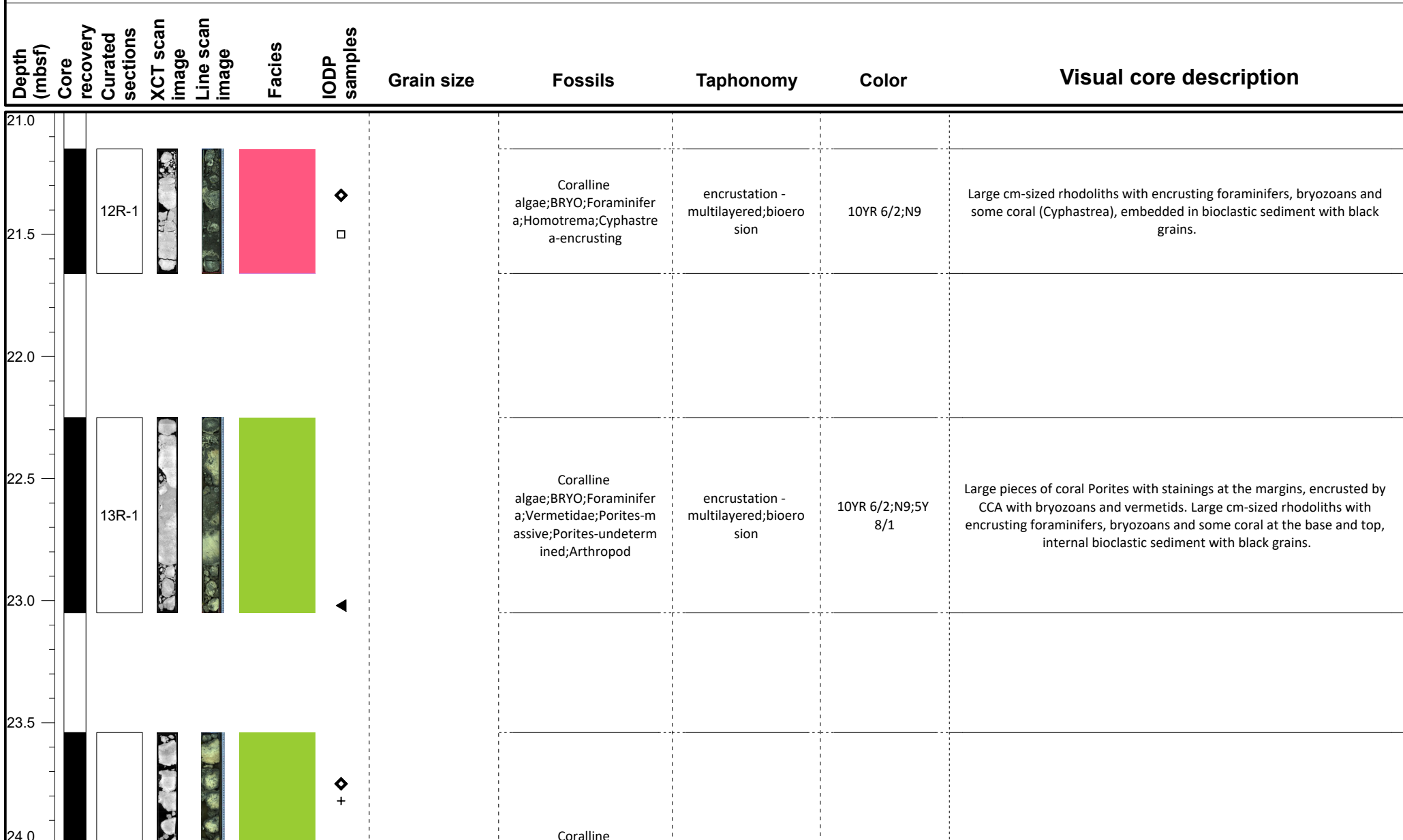
- Dating
- + MAD/PW
- ◻ GEOCHEM
- ◊ PMAG
- IWRH

IODP Expedition 389 VCD

Site: M0102A

Hole M0102A

Region: Kohala
Water Depth: 412.8 m



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

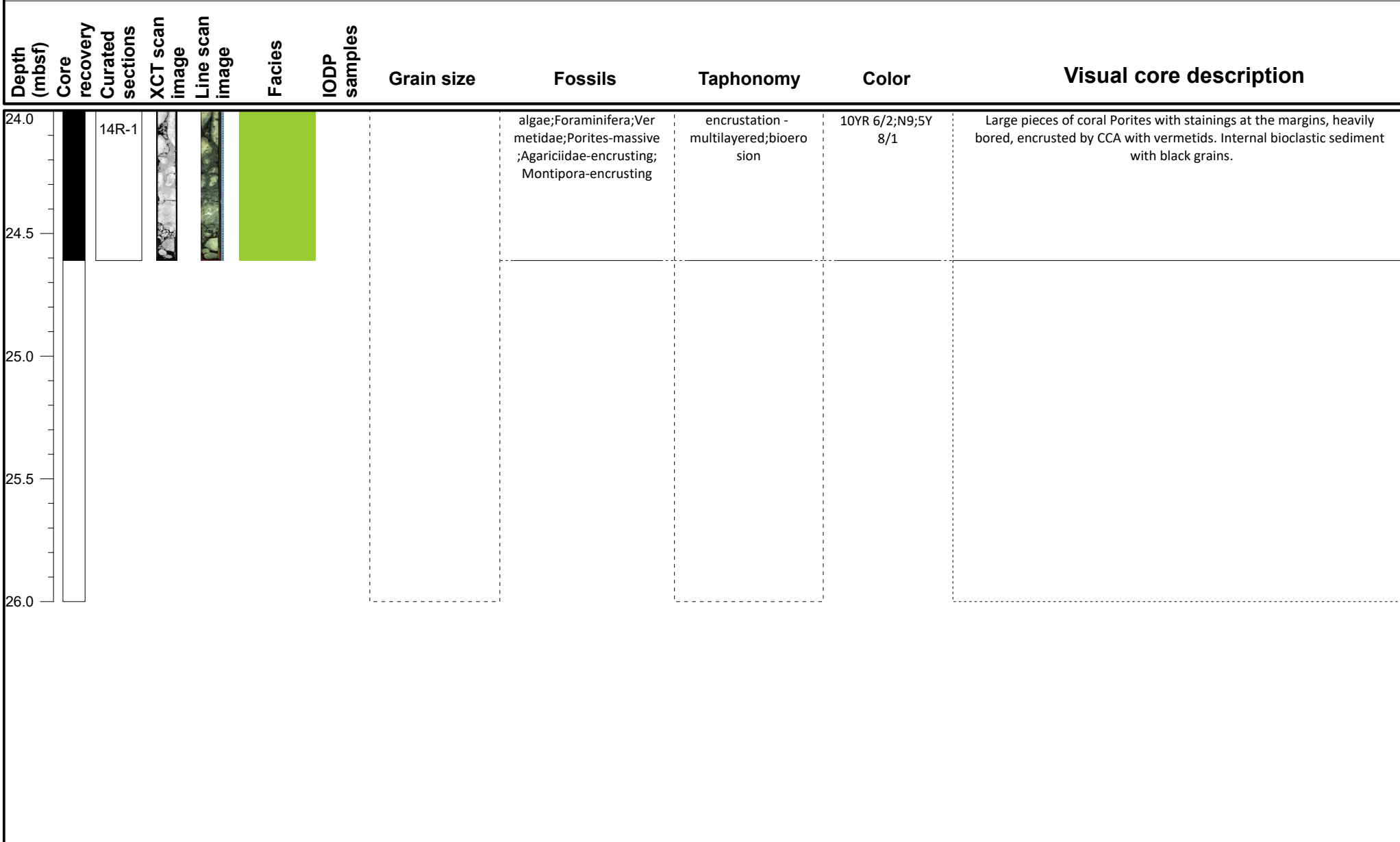
IODP Samples

- ▲ Dating
- GEOCHEM
- IWRH
- ✚ MAD/PW
- ◆ PMAG

IODP Expedition 389 VCD

Site: M0102A

Hole M0102A

Region: Kohala
Water Depth: 412.8 m

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

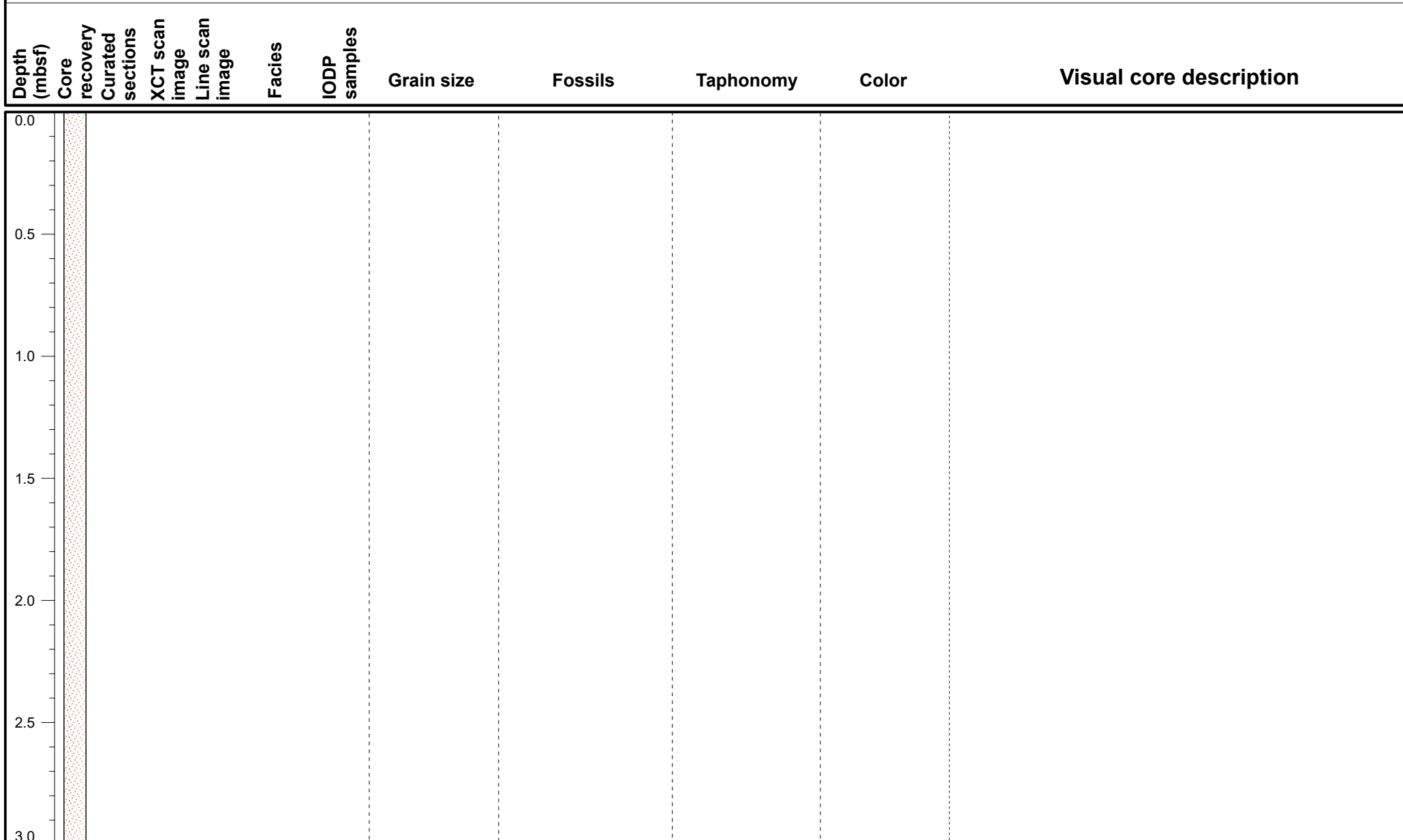
- Dating
- GEOCHEM
- IWRH
- MAD/PW
- PMAG

IODP Expedition 389 VCD

Site: M0102B

Hole M0102B

Region: Kohala
Water Depth: 415.4 m



VCD legend

Core recovery

- Core recovered
- No recovery
- Wash bore
- High disturbance

Facies

- | | | |
|---|--|---|
| <ul style="list-style-type: none"> FRW-CorAlgBound FRW-CorAlgMicrobBound FRW-MicrobAlgBound FRW-MicrobBound | <ul style="list-style-type: none"> FRW-AlgBound RDST/FLST-Rhodoliths DET-Consolidated DET-Unconsolidated | <ul style="list-style-type: none"> Mixed-carb/vol VOL-Clast VOL-Basalt FALL |
|---|--|---|

IODP Samples

- | | |
|---|--|
| <ul style="list-style-type: none"> Dating GEOCHEM IWRH | <ul style="list-style-type: none"> + MAD/PW ◊ PMAG |
|---|--|

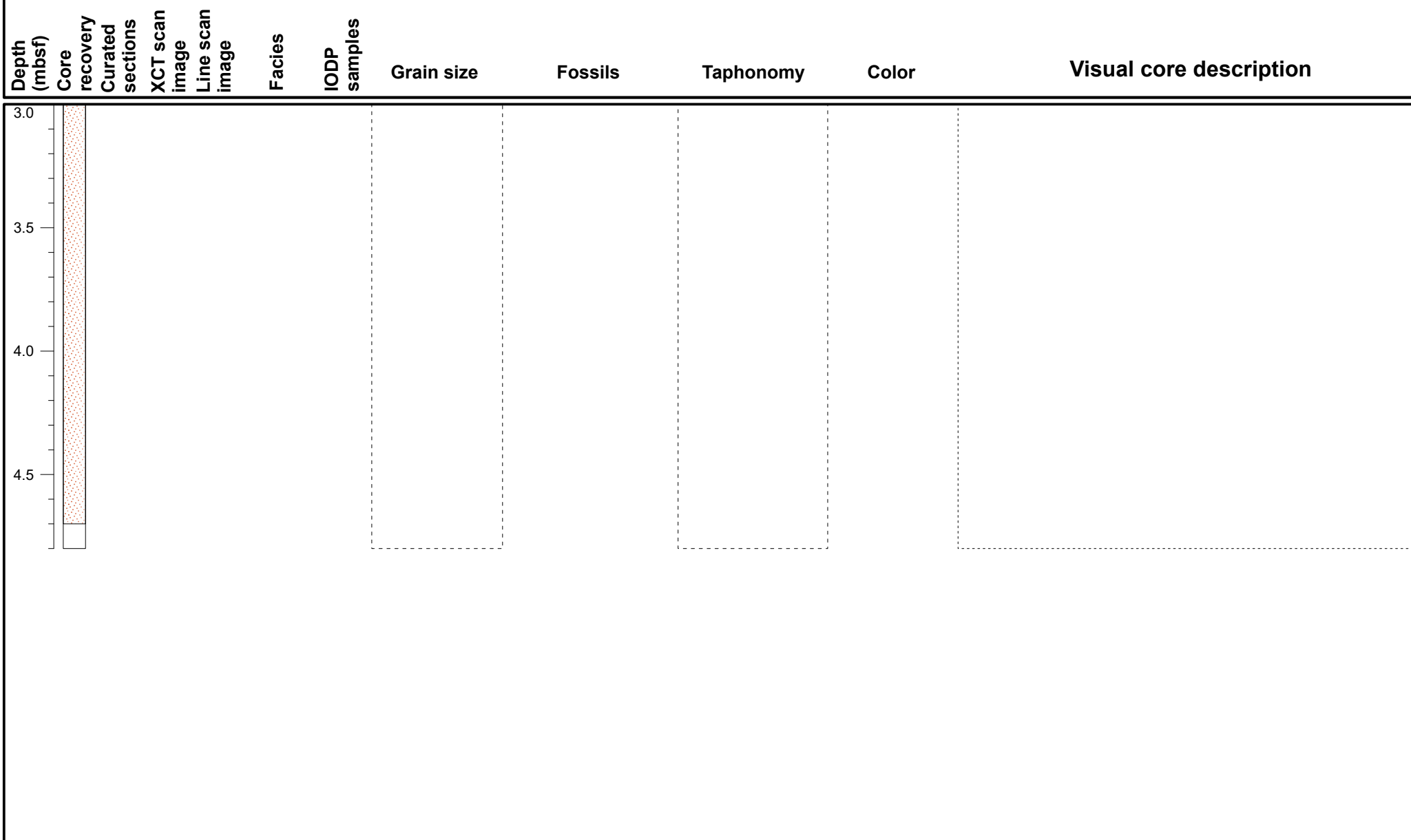
IODP Expedition 389 VCD





Site: M0102B

Hole M0102B













Region: Kohala

Water Depth: 415.4 m






*VCD legend***Core recovery**

-  Core recovered
-  No recovery
-  Wash bore
-  High disturbance

Facies

- | | | |
|---|--|--|
|  FRW-CorAlgBound |  FRW-AlgBound |  Mixed-carb/vol |
|  FRW-CorAlgMicrobBound |  RDST/FLST-Rhodoliths |  VOL-Clast |
|  FRW-MicrobAlgBound |  DET-Consolidated |  VOL-Basalt |
|  FRW-MicrobBound |  DET-Unconsolidated |  FALL |

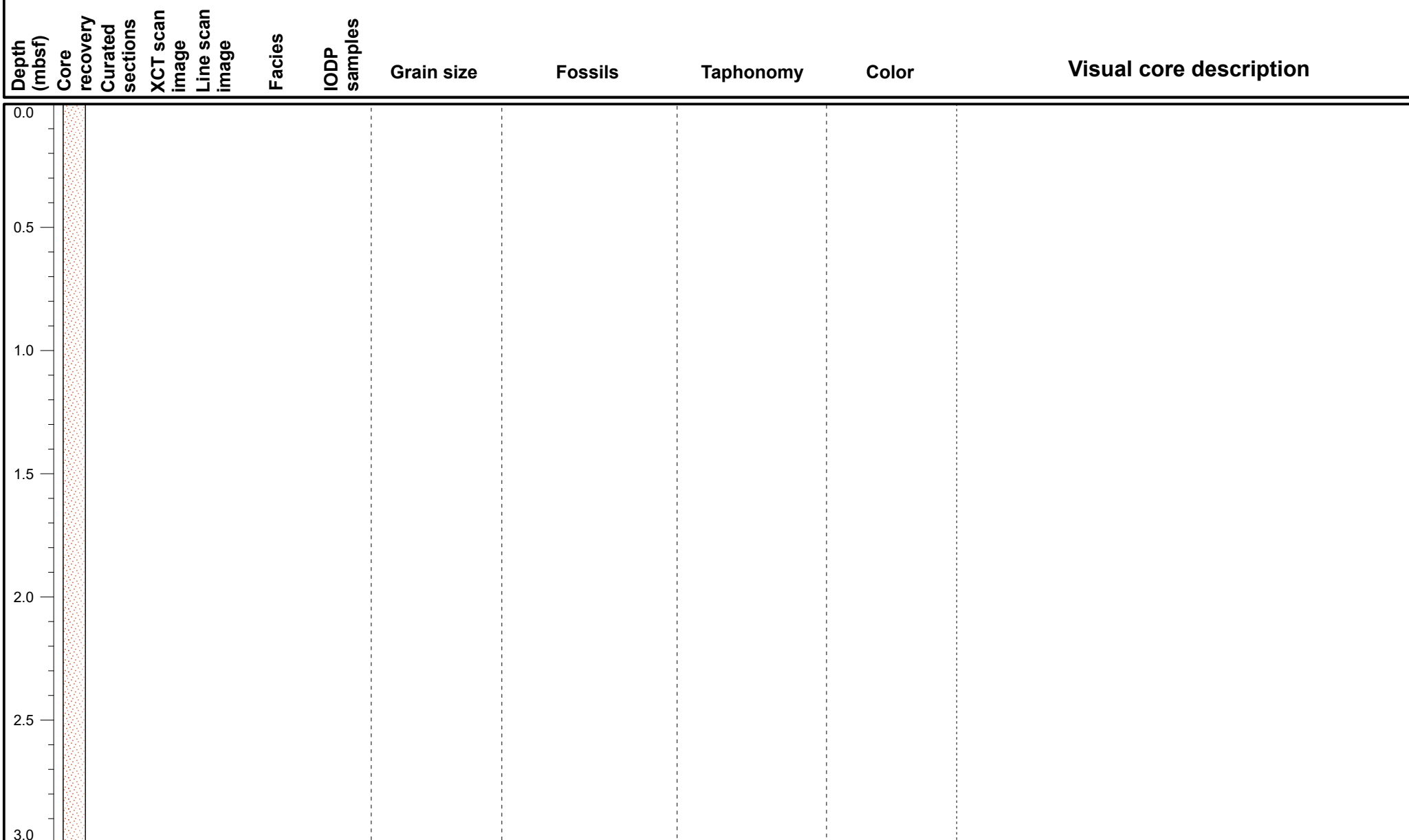
IODP Samples

- | | |
|---|--|
|  Dating |  MAD/PW |
|  GEOCHEM |  PMAG |
|  IWRH | |

IODP Expedition 389 VCD





Site: M0102C

Hole M0102C













Region: Kohala
Water Depth: 415.9 m

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
-  MAD/PW
-  GEOCHEM
-  PMAG
-  IWRH

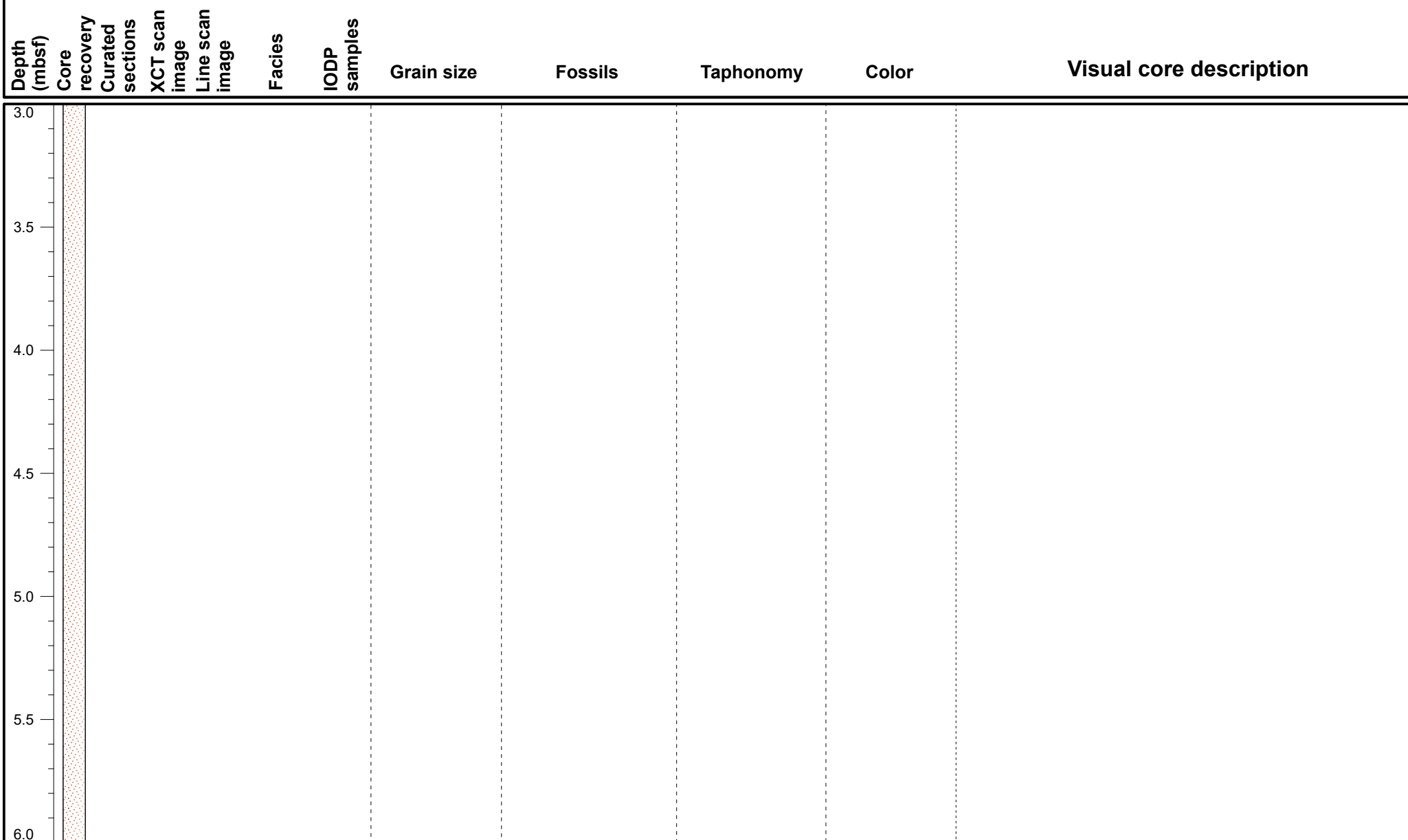
IODP Expedition 389 VCD





Site: M0102C

Hole M0102C













Region: Kohala

Water Depth: 415.9 m






*VCD legend***Core recovery**

-  Core recovered
-  No recovery
-  Wash bore
-  High disturbance

Facies

-  FRW-CorAlgBound
-  FRW-AlgBound
-  FRW-CorAlgMicrobBound
-  FRW-MicrobAlgBound
-  FRW-MicrobBound
-  RDST/FLST-Rhodoliths
-  DET-Consolidated
-  DET-Unconsolidated
-  Mixed-carb/vol
-  VOL-Clast
-  VOL-Basalt
-  FALL

IODP Samples

-  Dating
-  MAD/PW
-  GEOCHEM
-  PMAG
-  IWRH

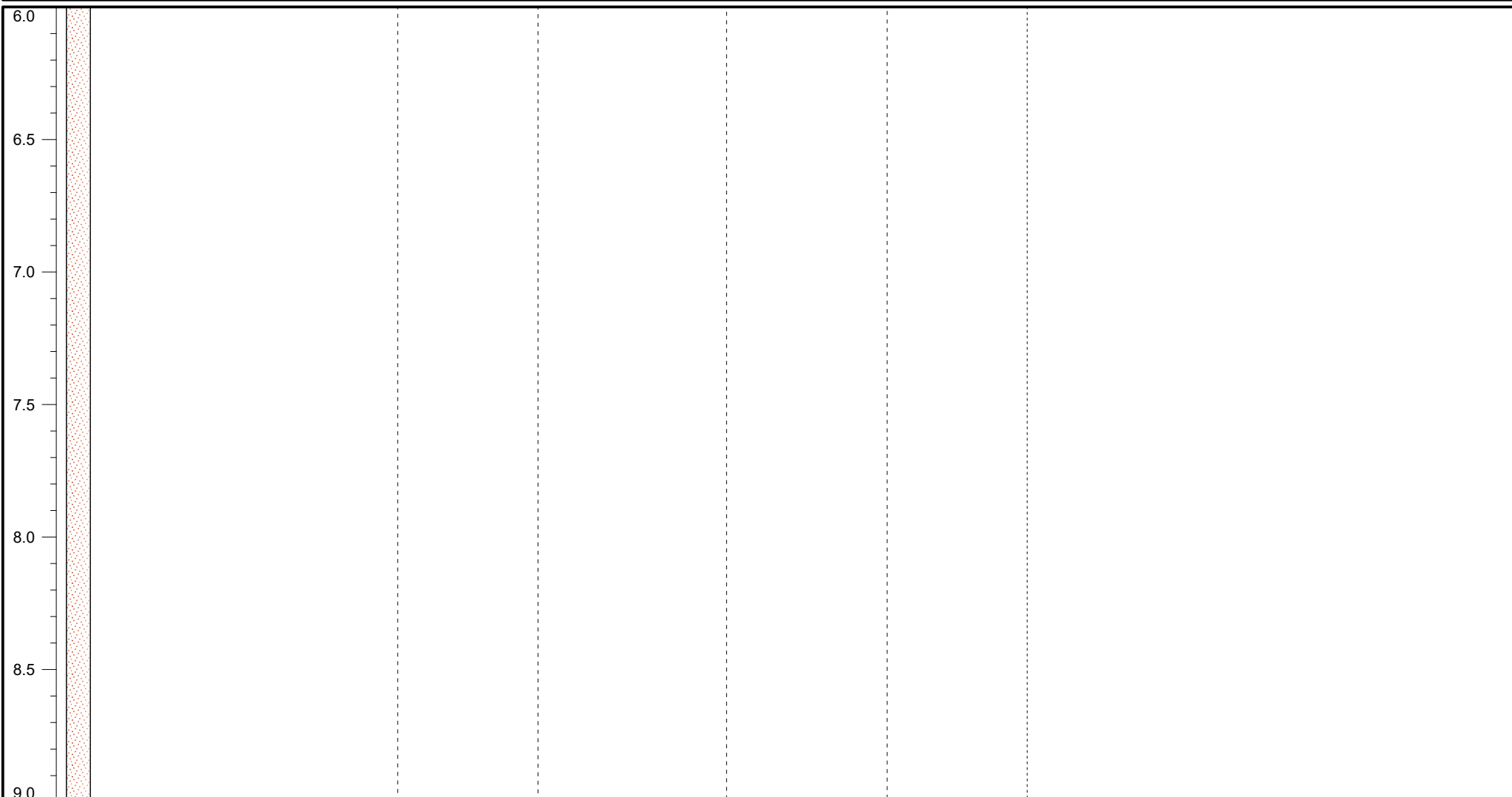
IODP Expedition 389 VCD

Site: M0102C

Hole M0102C

Region: Kohala
Water Depth: 415.9 m

Depth (mbsf)	Core recovery	Curated sections	XCT scan image	Line scan image	Facies	IODP samples	Grain size	Fossils	Taphonomy	Color	Visual core description
--------------	---------------	------------------	----------------	-----------------	--------	--------------	------------	---------	-----------	-------	-------------------------



VCD legend

Core recovery

- Core recovered
- No recovery
- Wash bore
- High disturbance

Facies

- | | | |
|---|--|---|
| FRW-CorAlgBound | FRW-AlgBound | Mixed-carb/vol |
| FRW-CorAlgMicrobBound | RDST/FLST-Rhodoliths | VOL-Clast |
| FRW-MicrobAlgBound | DET-Consolidated | VOL-Basalt |
| FRW-MicrobBound | DET-Unconsolidated | FALL |

IODP Samples

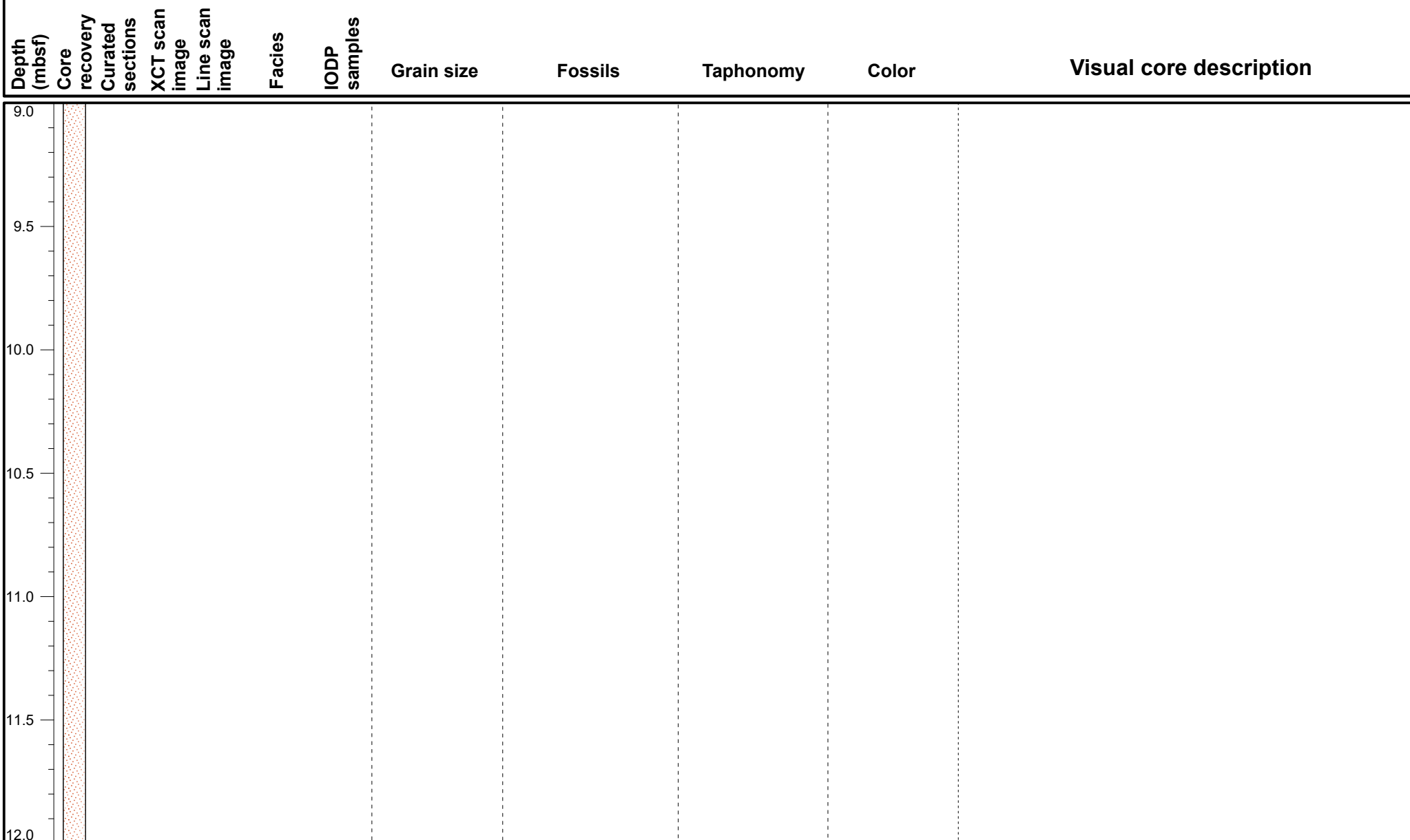
- | | |
|--|---|
| Dating | MAD/PW |
| GEOCHEM | PMAG |
| IWRH | |

IODP Expedition 389 VCD

Site: M0102C

Hole M0102C

Region: Kohala
Water Depth: 415.9 m



VCD legend

Core recovery

- Core recovered
- No recovery
- Wash bore
- High disturbance

Facies

- FRW-CorAlgBound
- FRW-AlgBound
- FRW-CorAlgMicrobBound
- RDST/FLST-Rhodoliths
- FRW-MicrobAlgBound
- DET-Consolidated
- FRW-MicrobBound
- DET-Unconsolidated
- Mixed-carb/vol
- VOL-Clast
- VOL-Basalt
- FALL

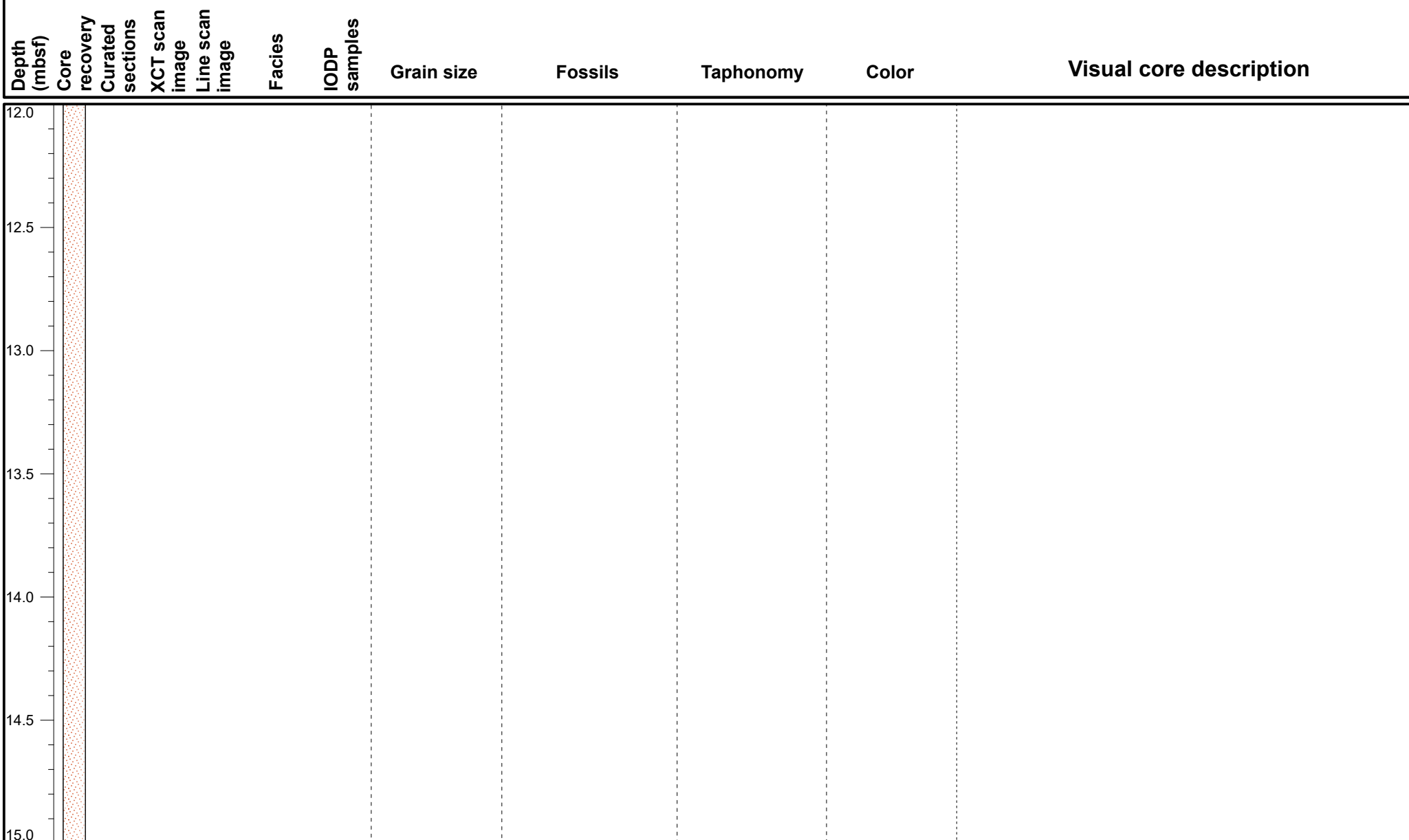
IODP Samples





- Dating
- MAD/PW
- GEOCHEM
- PMAG
- IWRH

IODP Expedition 389 VCD













Site: M0102C

Hole M0102C






Region: Kohala
Water Depth: 415.9 m*VCD legend***Core recovery**

-  Core recovered
-  No recovery
-  Wash bore
-  High disturbance

Facies

-  FRW-CorAlgBound
-  FRW-AlgBound
-  FRW-CorAlgMicrobBound
-  FRW-MicrobAlgBound
-  FRW-MicrobBound
-  RDST/FLST-Rhodoliths
-  DET-Consolidated
-  DET-Unconsolidated
-  Mixed-carb/vol
-  VOL-Clast
-  VOL-Basalt
-  FALL

IODP Samples

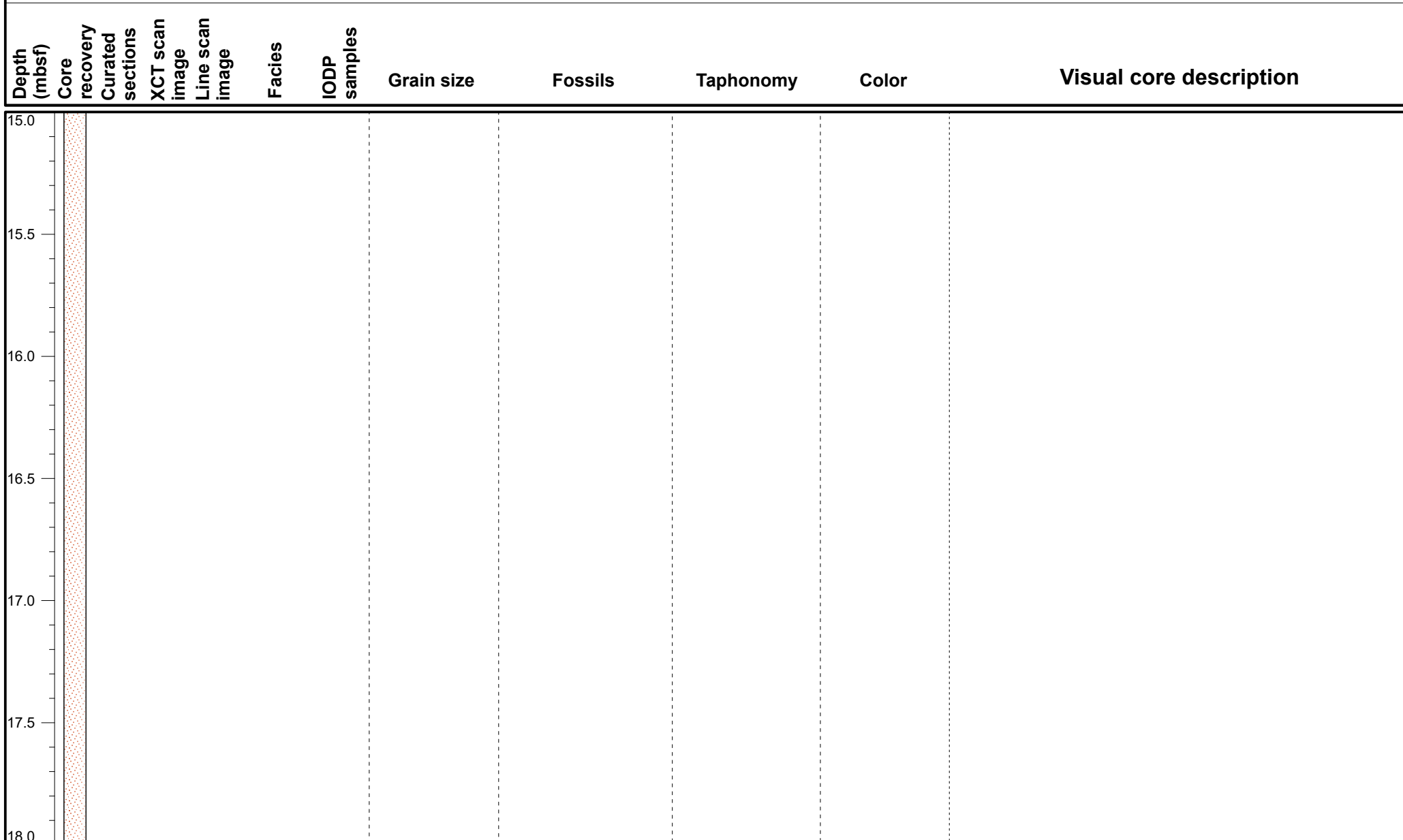
-  Dating
-  MAD/PW
-  GEOCHEM
-  PMAG
-  IWRH

IODP Expedition 389 VCD

Site: M0102C

Hole M0102C

Region: Kohala
Water Depth: 415.9 m



VCD legend

Core recovery

- Core recovered
- No recovery
- Wash bore
- High disturbance

Facies

- FRW-CorAlgBound
- FRW-AlgBound
- FRW-CorAlgMicrobBound
- RDST/FLST-Rhodoliths
- FRW-MicrobAlgBound
- DET-Consolidated
- FRW-MicrobBound
- DET-Unconsolidated
- Mixed-carb/vol
- VOL-Clast
- VOL-Basalt
- FALL

IODP Samples

- Dating
- MAD/PW
- GEOCHEM
- PMAG
- IWRH

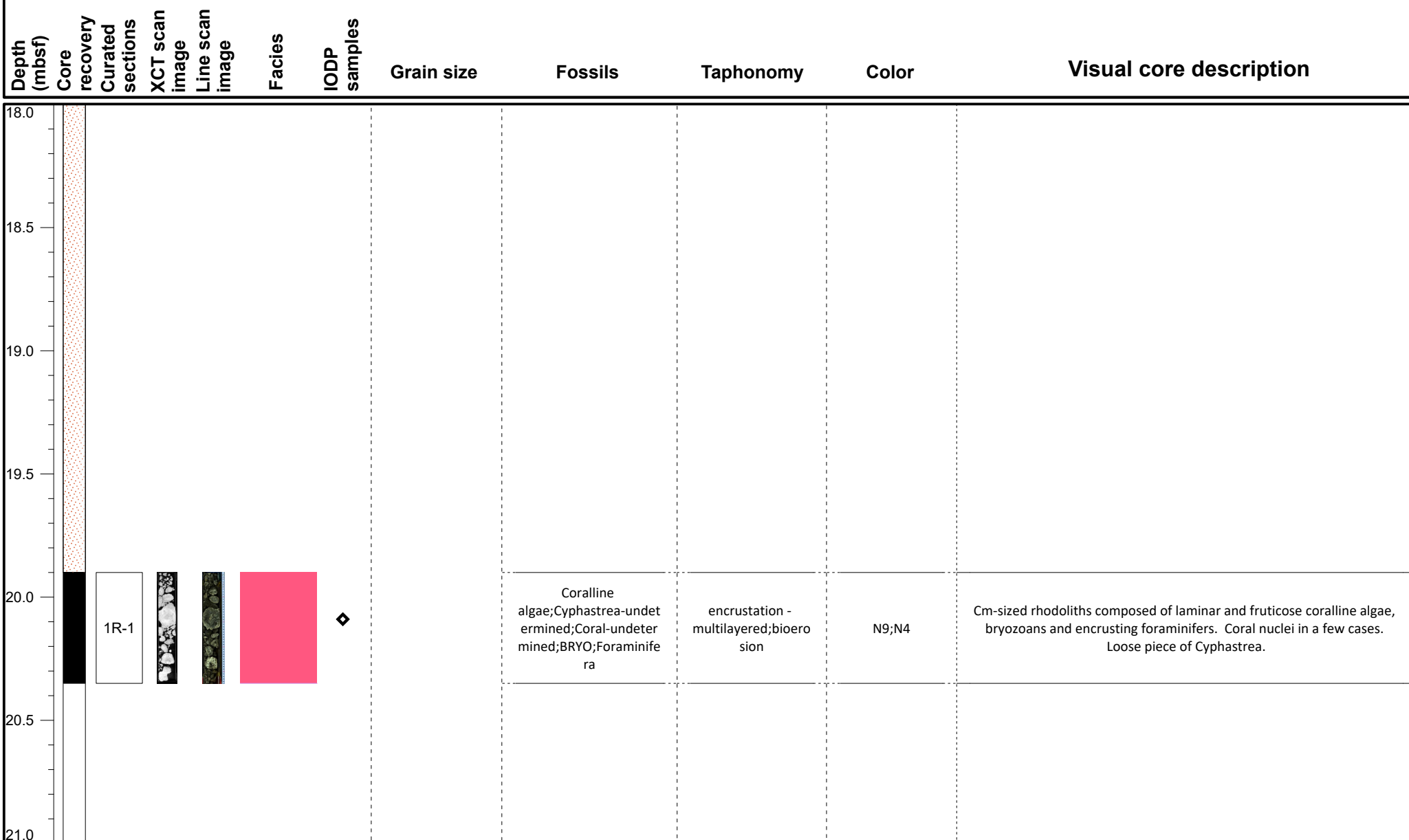
IODP Expedition 389 VCD

Site: M0102C

Hole M0102C

Region: Kohala

Water Depth: 415.9 m



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

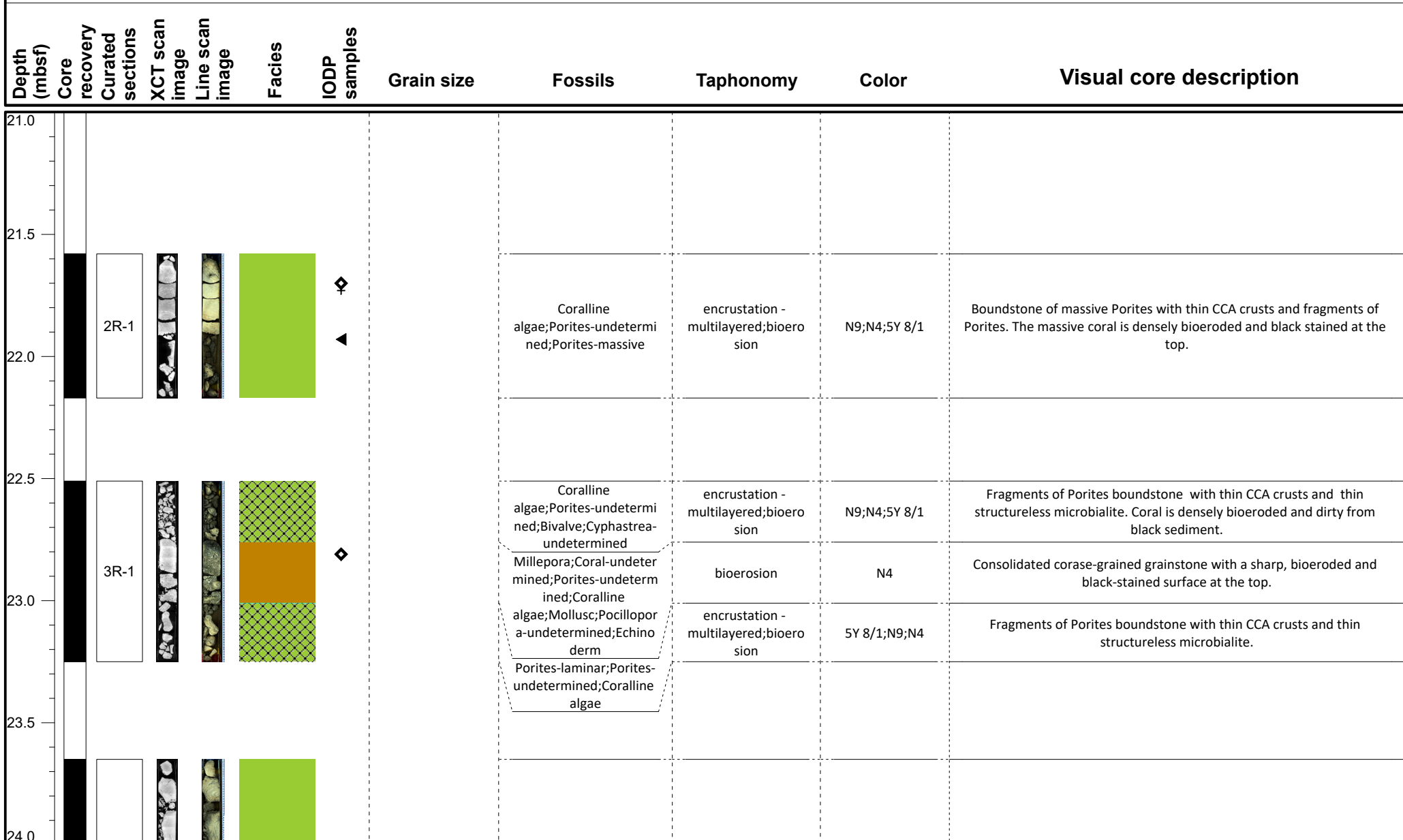
- Dating
- MAD/PW
- GEOCHEM
- PMAG
- IWRH

IODP Expedition 389 VCD

Site: M0102C

Hole M0102C

Region: Kohala
Water Depth: 415.9 m



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
- MAD/PW
- GEOCHEM
- PMAG
- IWRH

IODP Expedition 389 VCD

Site: M0102C

Hole M0102C

Region: Kohala
Water Depth: 415.9 m

Depth (mbsf)	Core recovery	Curated sections	XCT scan image	Line scan image	Facies	IODP samples	Grain size	Fossils	Taphonomy	Color	Visual core description
24.0	Core recovered	4R-1			FRW-CorAlgBound	◆		Coralline algae; Porites-submassive; Porites-massive	encrustation - multilayered; bioerosion	5Y 8/1; N9; N4	Fragments of Porites boundstone with thin CCA crusts. Coral dirty with fine dark sediment. Pockets of unconsolidated sediments.
24.5	Core recovered	5R-1			FRW-CorAlgMicrobBound			Coralline algae; Porites-massive; Leptostrea-encrusting; Vermetidae	encrustation - multilayered; bioerosion	5Y 8/1; N9; N4	Fragments of coral boundstone with thick CCA crusts, with large vermetids?. Coral dirty with fine dark sediment. .
25.5	Core recovered	6R-1			FRW-CorAlgBound	◆ □		Coralline algae; Porites-massive; Vermetidae; Leptoseris-foliaceous; Porites-submassive	encrustation - multilayered; bioerosion	5Y 8/1; N9; N4	Fragments of coral boundstone with CCA crusts, with vermetids. Coral dirty with fine dark sediment. Coral margins bored.
26.5	Core recovered	7R-1			FRW-CorAlgMicrobBound	+		Coralline algae; Porites-massive; Porites-submassive; Leptostrea-encrusting; Montipora-encrusting; Porites-undetermined; Mollusc	encrustation - multilayered; bioerosion	5Y 8/1; N9; N4	Coral and fragments of coral with thin CCA crusts. Coral dirty from fine dark sediment. Corals bored.

VCD legend

Core recovery

- Core recovered
- No recovery
- Wash bore
- High disturbance

Facies

- FRW-CorAlgBound
- FRW-AlgBound
- FRW-CorAlgMicrobBound
- RDST/FLST-Rhodoliths
- FRW-MicrobAlgBound
- DET-Consolidated
- FRW-MicrobBound
- DET-Unconsolidated
- Mixed-carb/vol
- VOL-Clast
- VOL-Basalt
- FALL

IODP Samples

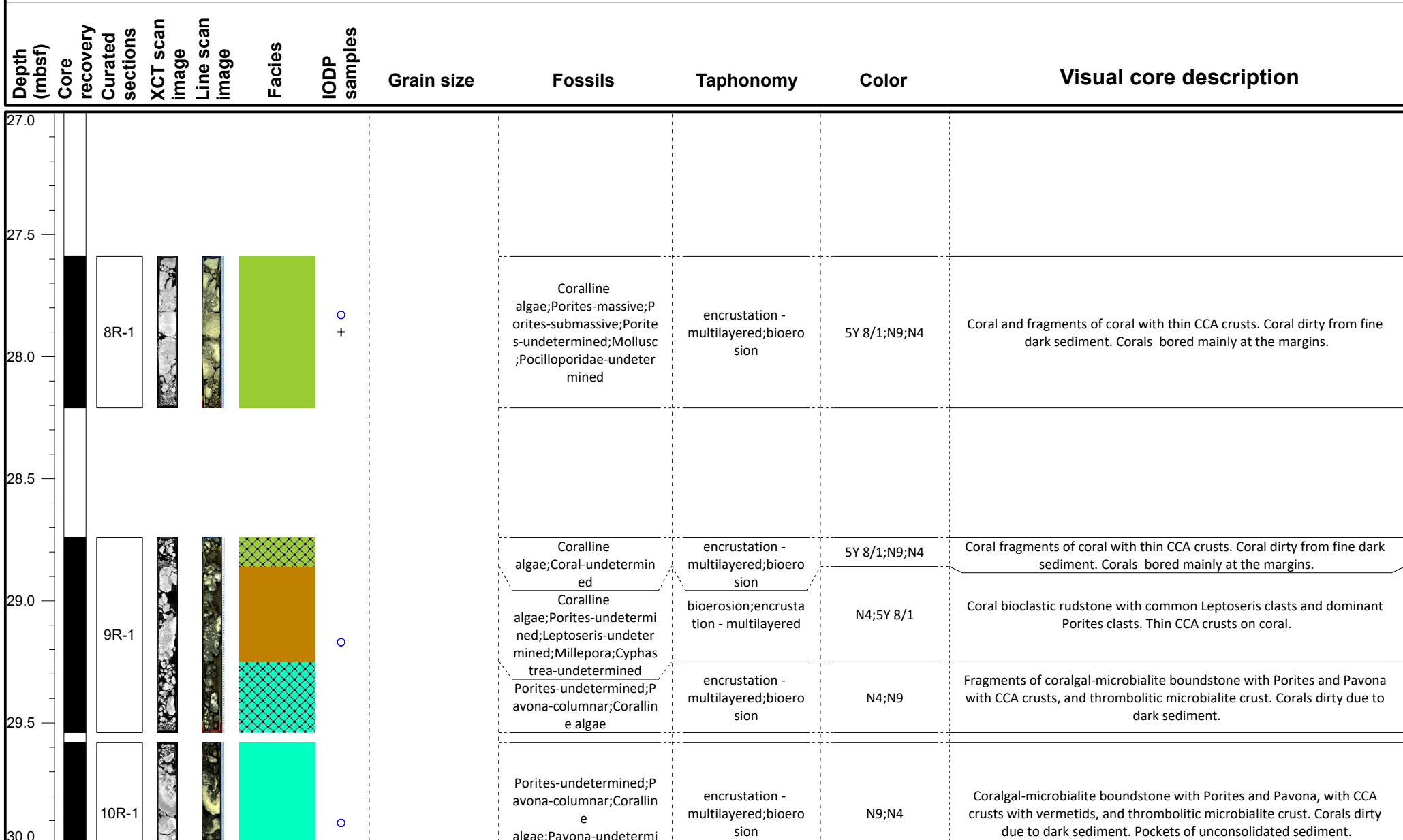
- Dating
- GEOCHEM
- IWRH
- MAD/PW
- PMAG

IODP Expedition 389 VCD

Site: M0102C

Hole M0102C

Region: Kohala
Water Depth: 415.9 m



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

IODP Expedition 389 VCD

Site: M0102C

Hole M0102C

Region: Kohala
Water Depth: 415.9 m

Depth (mbsf)	Core recovery	Curated sections	XCT scan image	Line scan image	Facies	IODP samples	Grain size	Fossils	Taphonomy	Color	Visual core description
30.0	Core recovered				FRW-CorAlgBound			ned;Porites-platy;Vermetidae			
30.5	Core recovered	11R-1			FRW-CorAlgMicrobBound	○ □		Porites-undetermined;Coralline algae;Porites-encrusting;Cyphastrea-encrusting	encrustation - multilayered;bioerosion	N4;N9	Fragments of corallal-microbialite boundstone with Porites and Pavona, with CCA crusts, and thrombolitic microbialite crust. Corals dirty due to dark sediment. Pockets of unconsolidated sediment with bioclasts.
31.0	Core recovered	12R-1			FRW-CorAlgBound	◇ +		Porites-undetermined;Coralline algae;Vermetidae;Pavona-columnar;Pavona-undetermined;Coral-encrusting;Leptoseris-platy	encrustation - multilayered;bioerosion	N4;N9	Corallal-microbialite boundstone with dominant columnar Pavona and Porites, with CCA crusts, generally thin with vermetids, and massive to dendritic thrombolitic microbialite crust. Corals dirty due to dark sediment. Pockets of unconsolidated sediment with bioclasts.
32.0	Core recovered	13R-1			FRW-CorAlgBound			Coralline algae;Vermetidae;Pavona-columnar;Pavona-undetermined;Porites-branching;Millepora	encrustation - multilayered;bioerosion	N4;N9	Fragments of corallal-microbialite boundstone with dominant Pavona and branching Porites, with CCA crusts, generally thin, with vermetids, and thrombolitic and laminated microbialite crust. Corals dirty due to dark sediment.
32.5	Core recovered				FRW-CorAlgBound						
33.0	Core recovered				FRW-CorAlgBound						

VCD legend

Core recovery

- Core recovered
- No recovery
- Wash bore
- High disturbance

Facies

- FRW-CorAlgBound
- FRW-AlgBound
- FRW-MicrobAlgBound
- FRW-MicrobBound
- RDST/FLST-Rhodoliths
- DET-Consolidated
- DET-Unconsolidated
- Mixed-carb/vol
- VOL-Clast
- VOL-Basalt
- FALL

IODP Samples

- Dating
- GEOCHEM
- IWRH
- MAD/PW
- PMAG

IODP Expedition 389 VCD

Site: M0102C

Hole M0102C

Region: Kohala
Water Depth: 415.9 m

Depth (mbsf)	Core recovery	Curated sections	XCT scan image	Line scan image	Facies	IODP samples	Grain size	Fossils	Taphonomy	Color	Visual core description
33.0	Core recovered	14R-1			FRW-CorAlgBound	◆		Coralline algae;Vermetidae;Porites-branching;Leptoseris-encrusting;Echinoderm	encrustation - multilayered;bioerosion	N4;N9	Coralgal-microbialite boundstone with dominant branching Porites, with thin CCA crusts, with vermetids, and massive laminated (few thrombolitic) microbialite crust. Corals dirty due to dark sediment. Pockets of unconsolidated dark sediment. Frequent echinoid spines.
33.5											
34.0	Core recovered	15R-1			FRW-CorAlgBound	◆		Coralline algae;Porites-branching;Echinoderm;Porites-platy;Porites-submassive	encrustation - multilayered;bioerosion	N4;N9	Coralgal-microbialite boundstone with branching and platy Porites, with thin CCA crusts, and massive to dendritic thrombolitic microbialite crust. Corals dirty due to dark sediment. Pockets of unconsolidated dark sediment. .
34.5						○ +					
35.0	Core recovered	16R-1			FRW-CorAlgBound	◆		Coralline algae;Porites-branching;Echinoderm;Porites-foliaceous;Porites-undetermined;Pavona-columnar;Cyphastrea-encrusting	encrustation - multilayered;bioerosion	N4;N9	Coralgal-microbialite boundstone with branching Porites, columnar Pavona and encrusting Cyphastrea, with thin CCA crusts, and massive thrombolitic microbialite crust. Corals dirty due to dark sediment. Pockets of unconsolidated dark sediment. .
35.5		17R-1			FRW-CorAlgBound	◆		Coralline algae;Porites-branching;Vermetidae;Echinoderm			Coralgal-microbialite boundstone with branching Porites, with thin CCA crusts locally with vermetids, and massive thrombolitic microbialite crust. Corals dirty due to dark sediment. Pockets of unconsolidated dark bioclastic sediment. .
36.0						□ + +					

VCD legend

Core recovery

- Core recovered
- No recovery
- Wash bore
- High disturbance

Facies

- FRW-CorAlgBound
- FRW-AlgBound
- FRW-MicrobAlgBound
- FRW-MicrobBound
- RDST/FLST-Rhodoliths
- DET-Consolidated
- DET-Unconsolidated
- Mixed-carb/vol
- VOL-Clast
- VOL-Basalt
- FALL

IODP Samples

- Dating
- GEOCHEM
- IWRH
- MAD/PW
- PMAG

IODP Expedition 389 VCD

Site: M0102C

Hole M0102C

Region: Kohala
Water Depth: 415.9 m

Depth (mbsf)	Core recovery	Curated sections	XCT scan image	Line scan image	Facies	IODP samples	Grain size	Fossils	Taphonomy	Color	Visual core description
36.0											
36.5		17R-2				◆		Coralline algae;Porites-branching; Vermetidae;Porites-und etermined;Porites-columnar;Coral-encrusting;Pavona-columnar;Echinoderm;Pavona-encrusting	encrustation - multilayered;bioerosion	N4;N9	Coralgal-microbialite boundstone with branching Porites and columnar Pavona, with thin CCA crusts locally with vermetids and a FCA, and massive thrombolitic microbialite crust. Corals dirty due to dark sediment. Pockets of unconsolidated dark bioclastic sediment. .
37.0						○					
37.5											
38.0						◆		Coralline algae;Porites-branching; Vermetidae;Porites-und etermined;Echinoderm;Pavona-encrusting;Homotrema;Coral-cup-solitary;Porites-massive;Porites-platy;Gastropod	encrustation - multilayered;bioerosion	N4;N9	Coralgal-microbialite boundstone with branching, platy and massive Porites, with thin CCA crusts locally with vermetids, and massive thrombolitic microbialite crust. Corals dirty due to dark sediment. Pockets of unconsolidated dark bioclastic sediment with abundant echinoid spines, gastropod shells, CCA and solitary corals..
38.5		18R-1									
39.0											

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

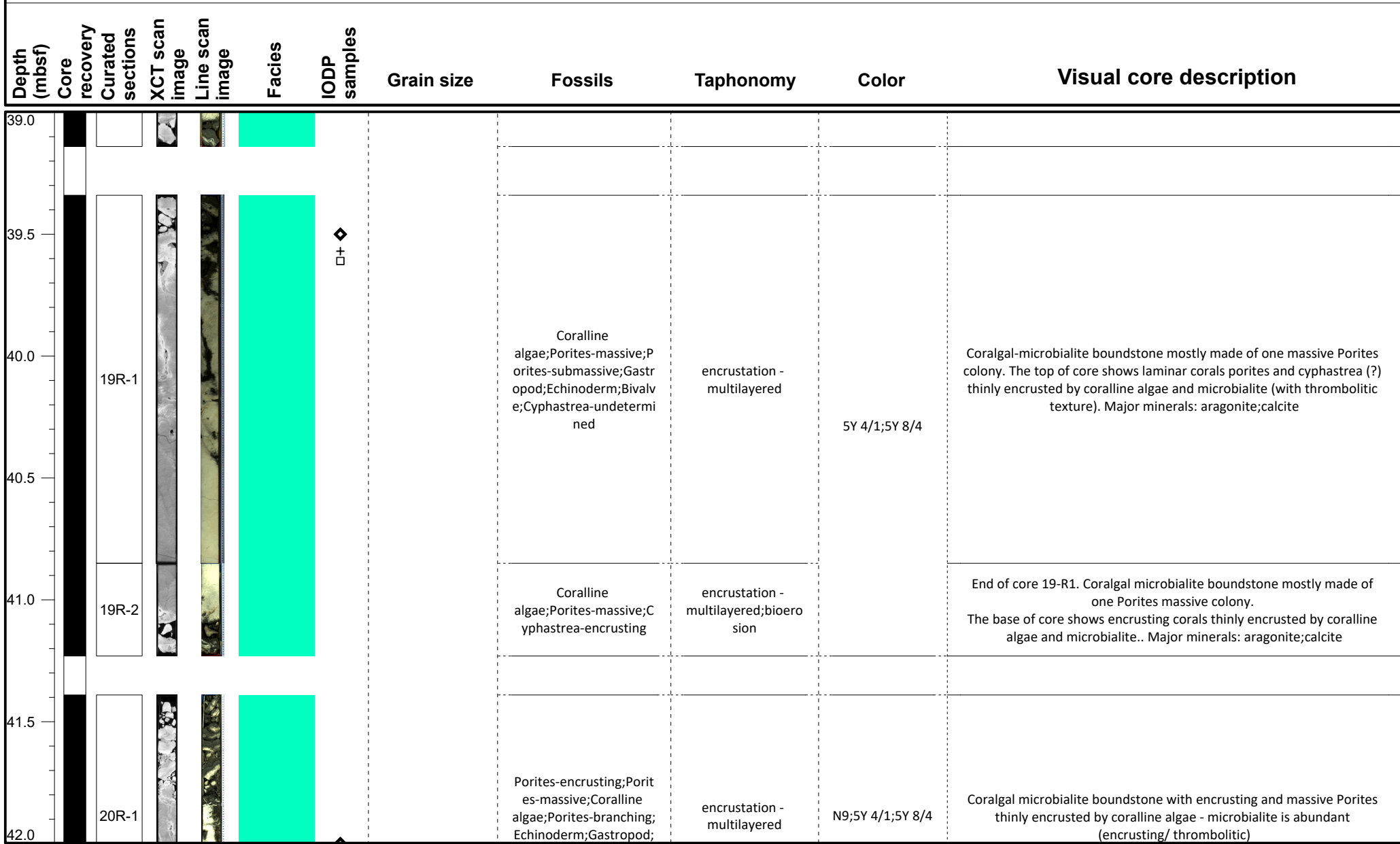
- Dating
- GEOCHEM
- IWRH
- MAD/PW
- PMAG

IODP Expedition 389 VCD

Site: M0102C

Hole M0102C

Region: Kohala
Water Depth: 415.9 m



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

IODP Expedition 389 VCD

Site: M0102C

Hole M0102C

Region: Kohala
Water Depth: 415.9 m

Depth (mbsf)	Core recovery	Curated sections	XCT scan image	Line scan image	Facies	IODP samples	Grain size	Fossils	Taphonomy	Color	Visual core description
42.0	Core recovered				FRW-CorAlgBound	+		Bivalve			With Heterocentrotus spine.. Major minerals: aragonite;calcite
42.5											
43.0	Core recovered	21R-1			FRW-CorAlgMicrobBound	◆ +		Porites-submassive; Coralline algae; Gastropod; Porites-laminar; Porites-columnar; Bivalve	bioerosion; encrustation - multilayered	N9; 5Y 4/1; 5Y 8/4	Coralgal microbialite boundstone with laminar to columnar to submassive Porites, thinly encrusted with coralline algae and thick microbialite crusts. Microbialite is incorporating biotrital sediments. Major minerals: aragonite; calcite
43.5											
44.0											
44.5	Core recovered				FRW-CorAlgBound	◆ □ ○		Porites-massive; Porites-submassive; Coralline algae; Cyphastrea-undet			Coralgal microbialite boundstone composed of massive to submassive corals, with thin algal crusts, and abundant microbialite (massive to thrombolitic). Corals are porites, pavona and cyphastrea.
45.0		22R-1			FRW-CorAlgBound						

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

IODP Expedition 389 VCD

Site: M0102C





Hole M0102C

Region: Kohala
Water Depth: 415.9 m













Depth (mbsf)	Core recovery	Curated sections	XCT scan image	Line scan image	Facies	IODP samples	Grain size	Fossils	Taphonomy	Color	Visual core description
45.0								ermined;Vermetidae;Pavona-undetermined			Some cavities are filled by biotrital sediments. . Major minerals: aragonite;calcite
45.5									bioerosion;encrustation - multilayered	N9;5Y 4/1;5Y 8/4	
46.0		22R-2				◆		Porites-massive;Coralline algae;Pavona-encrusting;Echinoderm;Poritidae-submassive			Corallgal microbialite boundstone composed of submassive - massive Porites, and Pavona (encrusting) with thin algal crusts, and microbialite. Major minerals: aragonite;calcite
46.5						+					
47.0						◆					
47.5		23R-1				+		Coralline algae;Porites-branching; Porites-massive			Corallgal microbialite boundstone composed of a columnar to massive Porites, with thin algal crusts, and abundant microbialite (laminar to dendritic). Some branching corals.. Major minerals: aragonite;calcite
48.0											

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

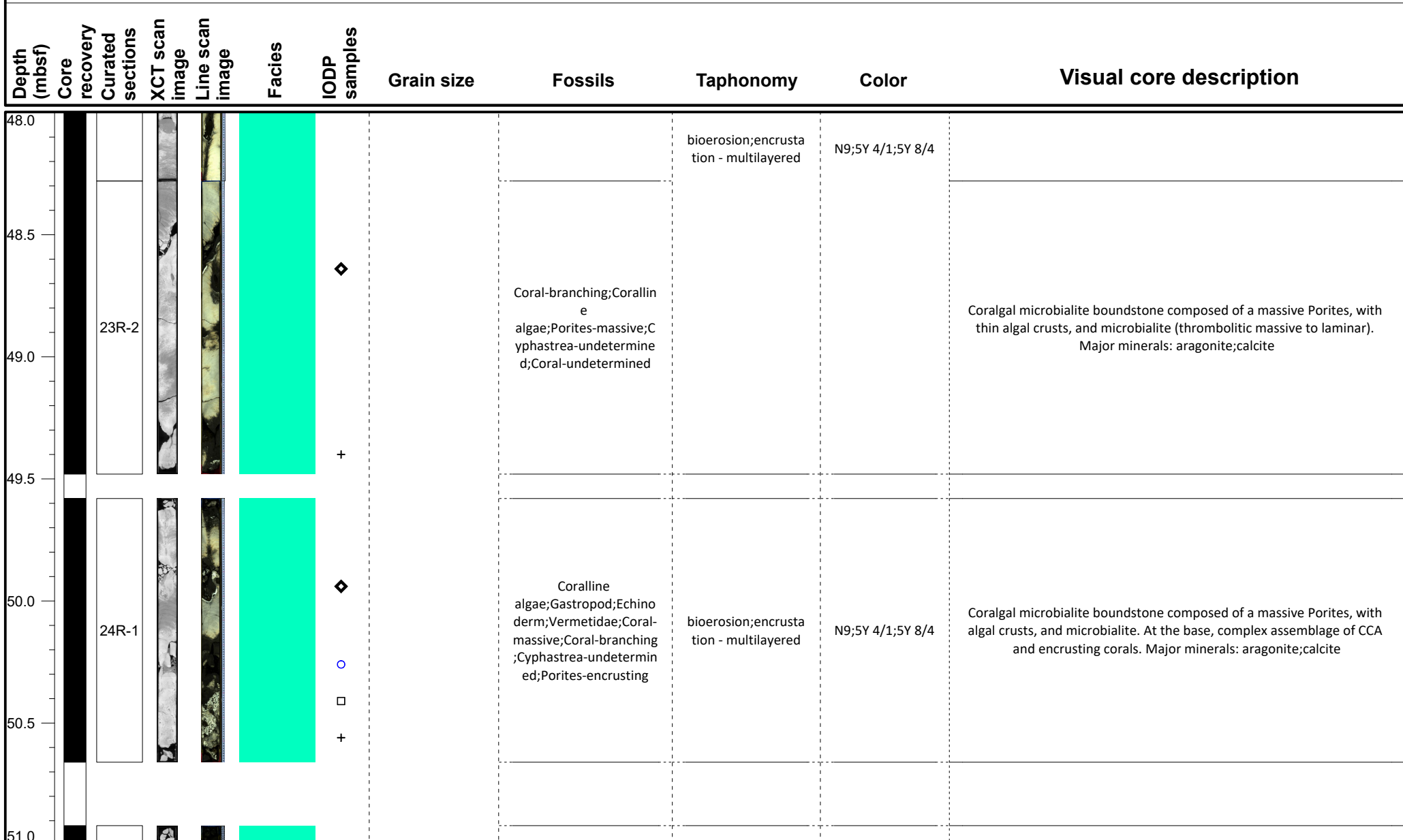
-  Dating
-  GEOCHEM
-  IWRH
-  MAD/PW
-  PMAG

IODP Expedition 389 VCD

Site: M0102C

Hole M0102C

Region: Kohala
Water Depth: 415.9 m



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

IODP Expedition 389 VCD

Site: M0102C

Hole M0102C

Region: Kohala
Water Depth: 415.9 m

Depth (mbsf)	Core recovery	Curated sections	XCT scan image	Line scan image	Facies	IODP samples	Grain size	Fossils	Taphonomy	Color	Visual core description
51.0						+					
51.5		25R-1						Coralline algae; Porites-massive; Vermetidae	encrustation - multilayered		Coralgal boundstone composed primarily of one very large massive Porites colony (encrusted by coralline algae). Microbialite is structureless to laminar to dendritic.. Major minerals: aragonite; calcite
52.0										N9; 5Y 4/1; 5Y 8/4	
52.5		25R-2						Coralline algae; Porites-massive; Corall-laminar; Vermetidae	encrustation - multilayered; bioerosion		Coralgal boundstone composed primarily of one very large massive Porites colony (encrusted by coralline algae) + microbialite (dendritic (?) filling cavity.. Major minerals: aragonite; calcite
53.0											
53.5											
54.0						+		Coralline algae; Vermetidae; Echin			

<i>VCD legend</i>	Core recovery	Facies	IODP Samples
	<ul style="list-style-type: none"> Core recovered No recovery Wash bore High disturbance 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Dating GEOCHEM IWRH MAD/PW PMAG

IODP Expedition 389 VCD

Site: M0102C

Hole M0102C

Region: Kohala
Water Depth: 415.9 m

Depth (mbsf)	Core recovery	Curated sections	XCT scan image	Line scan image	Facies	IODP samples	Grain size	Fossils	Taphonomy	Color	Visual core description
54.0		26R-1						oderm;Mollusc;Cyphastrea-encrusting;Porites-branching;Porites-massive;Bivalve;Gastropod;Porites-submassive			Coralgal microbialite boundstone composed massive-sub massive Porites, algal crusts, and abundant microbialite (massive structureless to dendritic) - cavities partially filled with poorly consolidated, dark grey sediment (containing bioclasts). Major minerals: aragonite;calcite
54.5									encrustation - multilayered;bioerosion	N9;5Y 4/1;5Y 8/4	
55.0						◆					
55.5		26R-2				+		Coralline algae;Vermetidae;Porites-submassive;Cyphastrea-undetermined;Gastropod;Porites-massive;Echinoderm			Coralgal microbialite boundstone composed mainly of one colony of massive Porites. Some cavities filled by CCA and microbialite (massive structureless to thrombolite). Some biotrital sediment in cavities. Encrusting Merulinidae + Fungiidae-sol described on offshore VCD.. Major minerals: aragonite;calcite
56.0						□					
56.5											
57.0		27R-1				◆		Coralline algae;Vermetidae;Porites-branching;Cyphastrea-encrusting;Porites-subm	encrustation - multilayered;bioerosion		Coralgal microbialite boundstone composed sub-massive to massive Porites. Some branching corals. cavities filled by CCA and microbialite (thrombolite to laminar to structureless). CCA crusts are thick Some internal sediment in cavities.

<h2>VCD legend</h2>	<p>Core recovery</p> <ul style="list-style-type: none"> Core recovered No recovery Wash bore High disturbance 	<p>Facies</p> <ul style="list-style-type: none"> 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 	<p>IODP Samples</p> <ul style="list-style-type: none"> Dating GEOCHEM IWRH + MAD/PW ◆ PMAG
---------------------	---	--	--

IODP Expedition 389 VCD

Site: M0102C





Hole M0102C

Region: Kohala
Water Depth: 415.9 m













Depth (mbsf)	Core recovery	Curated sections	XCT scan image	Line scan image	Facies	IODP samples	Grain size	Fossils	Taphonomy	Color	Visual core description
57.0	Core recovered				FRW-CorAlgBound	▲		assive;Gastropod;Echinoderm;Porites-massive		N9;5Y 4/1;5Y 8/4	Merulinidae- encrusting observed during in WC (offshore VCD).. Major minerals: aragonite;calcite
57.5	Core recovered				FRW-CorAlgBound	◆					
58.0	Core recovered	27R-2			FRW-CorAlgMicrobBound	◆		Coralline algae;Vermetidae;Corallaminalar;Porites-undetermined	encrustation - multilayered		Coralgal microbialite boundstone composed columnar corals. Cavities filled by CCA and microbialite (laminar massive to columnar) Cavities are filled by secondary bidetrital sediments (echinoid spines, bivalves, gastropods). Merulinidae-encrusting (in offshore VCD sheet). Major minerals: aragonite;calcite
58.5	Core recovered				FRW-CorAlgBound						
59.0	Core recovered				FRW-CorAlgBound	◆					
59.5	Core recovered	28R-1			FRW-CorAlgMicrobBound			Coralline algae;Porites-columnar; Vermetidae;Gastropod; Echinoderm;Bivalve;Porites-massive;Cyphastrea-encrusting	encrustation - multilayered		Coralgal microbialite boundstone composed of columnar and massive corals. CCA and microbialite (laminar- dendritic). Some internal sediment in cavities. . Major minerals: aragonite;calcite
60.0	Core recovered				FRW-CorAlgBound						

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

IODP Expedition 389 VCD

Site: M0102C

Hole M0102C

Region: Kohala
Water Depth: 415.9 m

Depth (mbsf)	Core recovery	Curated sections	XCT scan image	Line scan image	Facies	IODP samples	Grain size	Fossils	Taphonomy	Color	Visual core description
60.0										N9;5Y 4/1;5Y 8/4	
60.5											
61.0		28R-2				□		Coralline algae;Porites-massive;Vermetidae;Cyphastrea-encrusting	encrustation - multilayered;bioerosion		Coralgal microbialite boundstone composed of submassive to massive corals. CCA and microbialite (laminated to structureless). Some internal sediment in cavities. . Major minerals: aragonite;calcite
61.5											
62.0						◆					
62.5		29R-1				◆		Coralline algae;Porites-columnar;Porites-massive;Vermetidae;Cyphastrea-encrusting;Porites-submassive;Porites-branching	encrustation - multilayered;bioerosion	N9;5Y 4/1;5Y 8/4	Coralgal microbialite boundstone composed of columnar, submassive, massive to branching Porites. Encrusting cyphastrea present. Thin CCA and microbialite (structureless to laminar - columnar) are encrusting corals. . Major minerals: aragonite;calcite
63.0											

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

IODP Expedition 389 VCD

Site: M0102C

Hole M0102C

Region: Kohala
Water Depth: 415.9 m

Depth (mbsf)	Core recovery	Curated sections	XCT scan image	Line scan image	Facies	IODP samples	Grain size	Fossils	Taphonomy	Color	Visual core description
63.0											
63.5		29R-2				○		Coralline algae; Porites-massive; Vermetidae; Porites-submassive; Porites-undetermined		N9;5Y 4/1;5Y 8/4;N4	Coralline microbialite boundstone composed of submassive and massive Porites. CCA crusts with vermetids and microbialite (massive laminated) are encrusting corals. Corals stained by dark sediment. Large boring (Trypanites). Dark sediment pockets. Major minerals: aragonite; calcite
64.0											
64.5						◇					
65.0		30R-1				+		Coralline algae; Porites-massive; Vermetidae; Cyphastrea-encrusting; Porites-columnar; Arthropod	encrustation - multilayered; bioerosion	N9;5Y 4/1;5Y 8/4;N4	Coralline microbialite boundstone composed of columnar and massive Porites. CCA crusts with vermetids and microbialite massive (laminated and thrombotic) are encrusting corals. Encrusting Cyphastrea on CCA at the on the Porites tips. Corals stained by dark sediment. Small barnacle. Dark sediment in cavities. Major minerals: aragonite; calcite
65.5						□					
66.0		30R-2				♀		Coralline algae; Porites-massive; Porites-columnar			Coralline microbialite boundstone composed of columnar and massive Porites. Thin CCA crusts and microbialite massive (thrombotic) are encrusting corals. Corals stained by dark sediment. Dark sediment in cavities

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

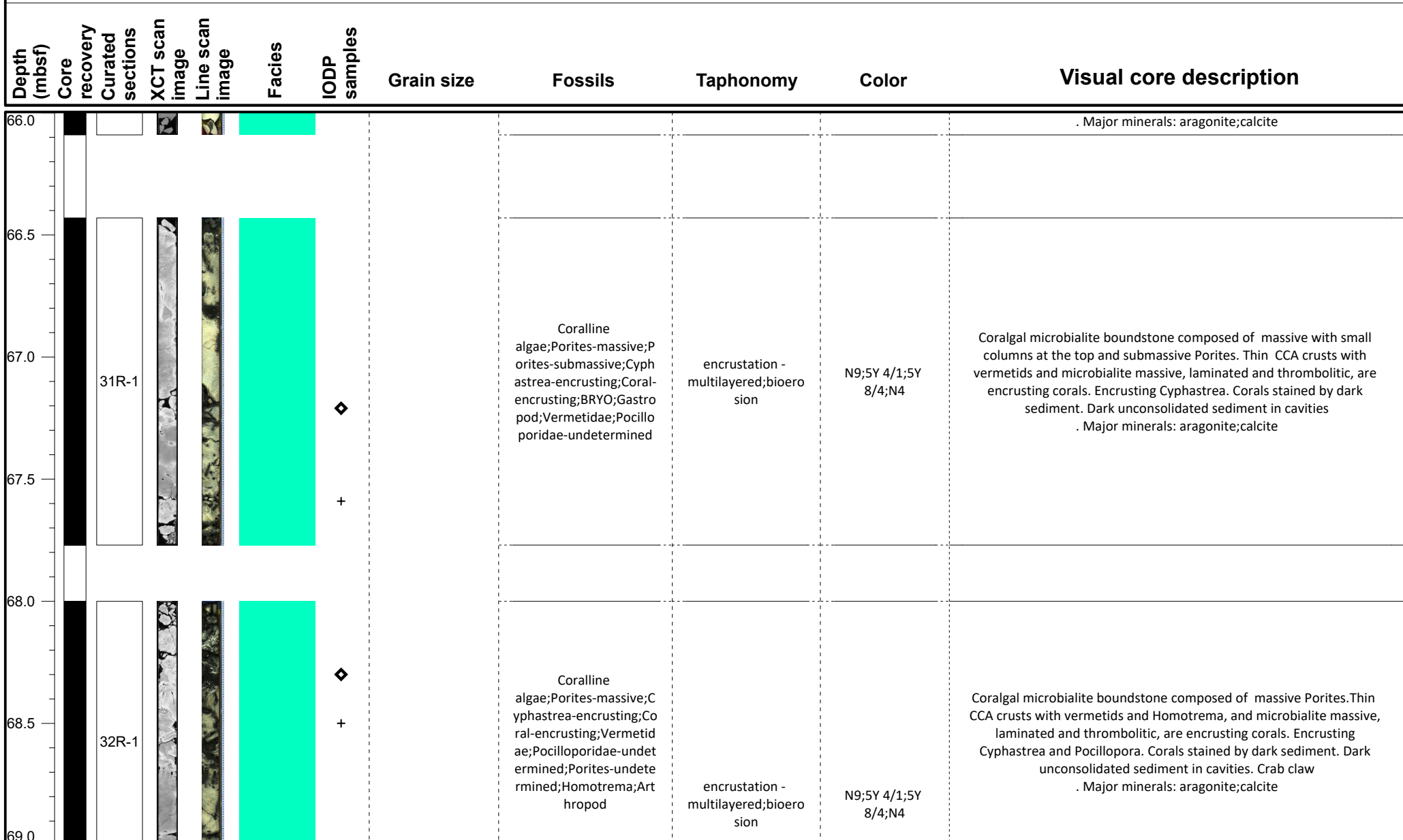
- Dating
- GEOCHEM
- IWRH
- MAD/PW
- PMAG

IODP Expedition 389 VCD

Site: M0102C

Hole M0102C

Region: Kohala
Water Depth: 415.9 m



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

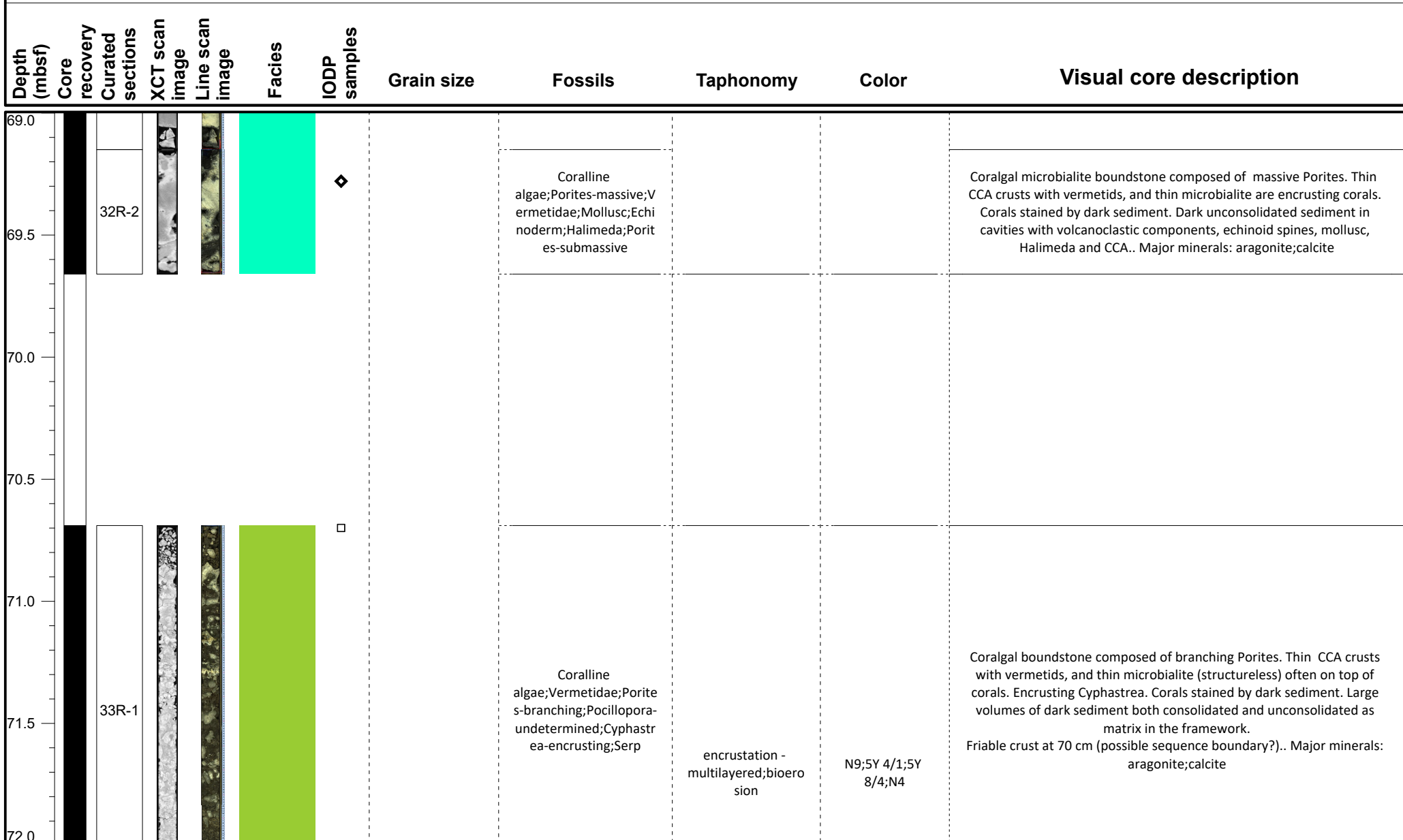
- Dating
- GEOCHEM
- IWRH
- MAD/PW
- PMAG

IODP Expedition 389 VCD

Site: M0102C

Hole M0102C

Region: Kohala
Water Depth: 415.9 m



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

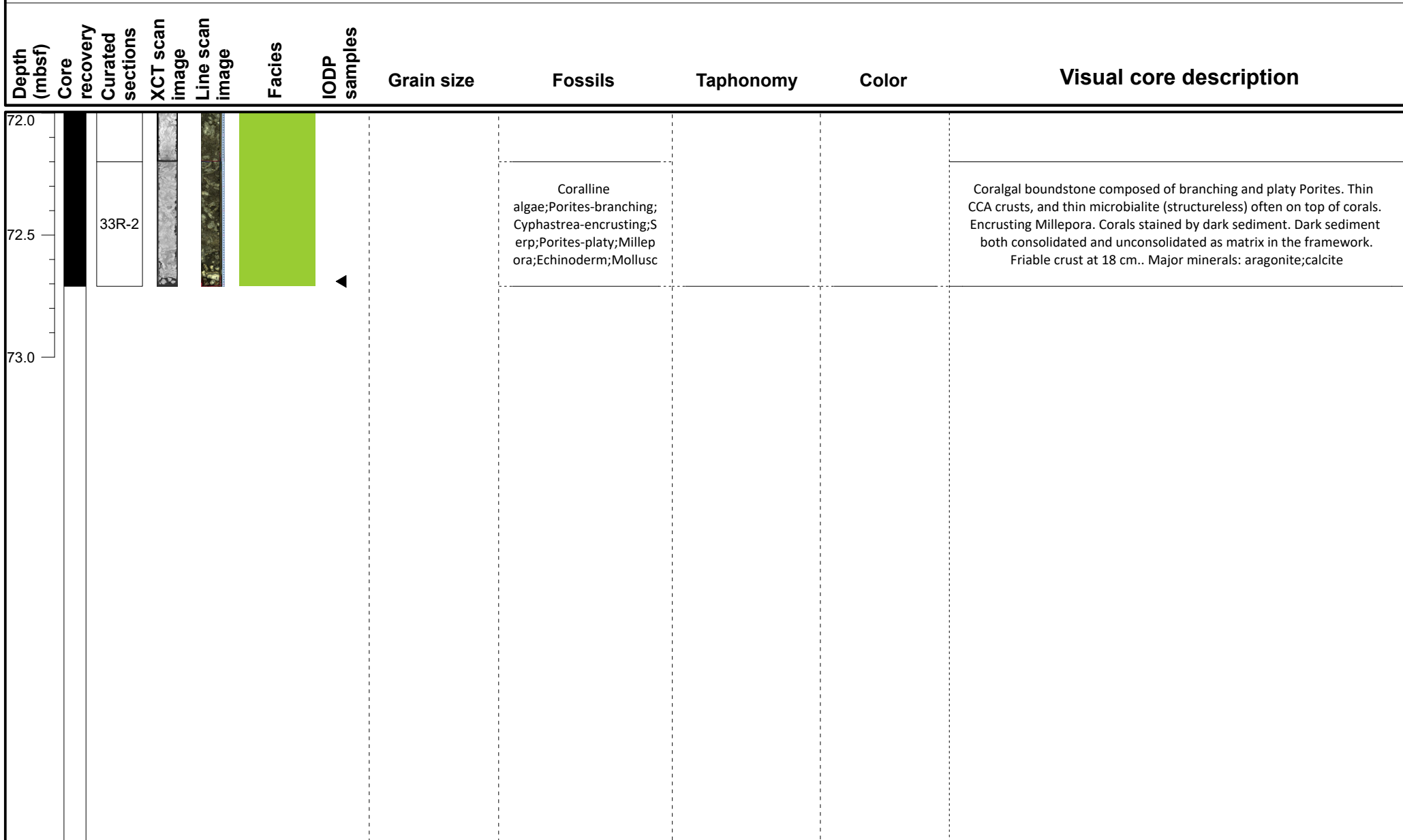
- Dating
- GEOCHEM
- IWRH
- MAD/PW
- PMAG

IODP Expedition 389 VCD

Site: M0102C

Hole M0102C

Region: Kohala
Water Depth: 415.9 m



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