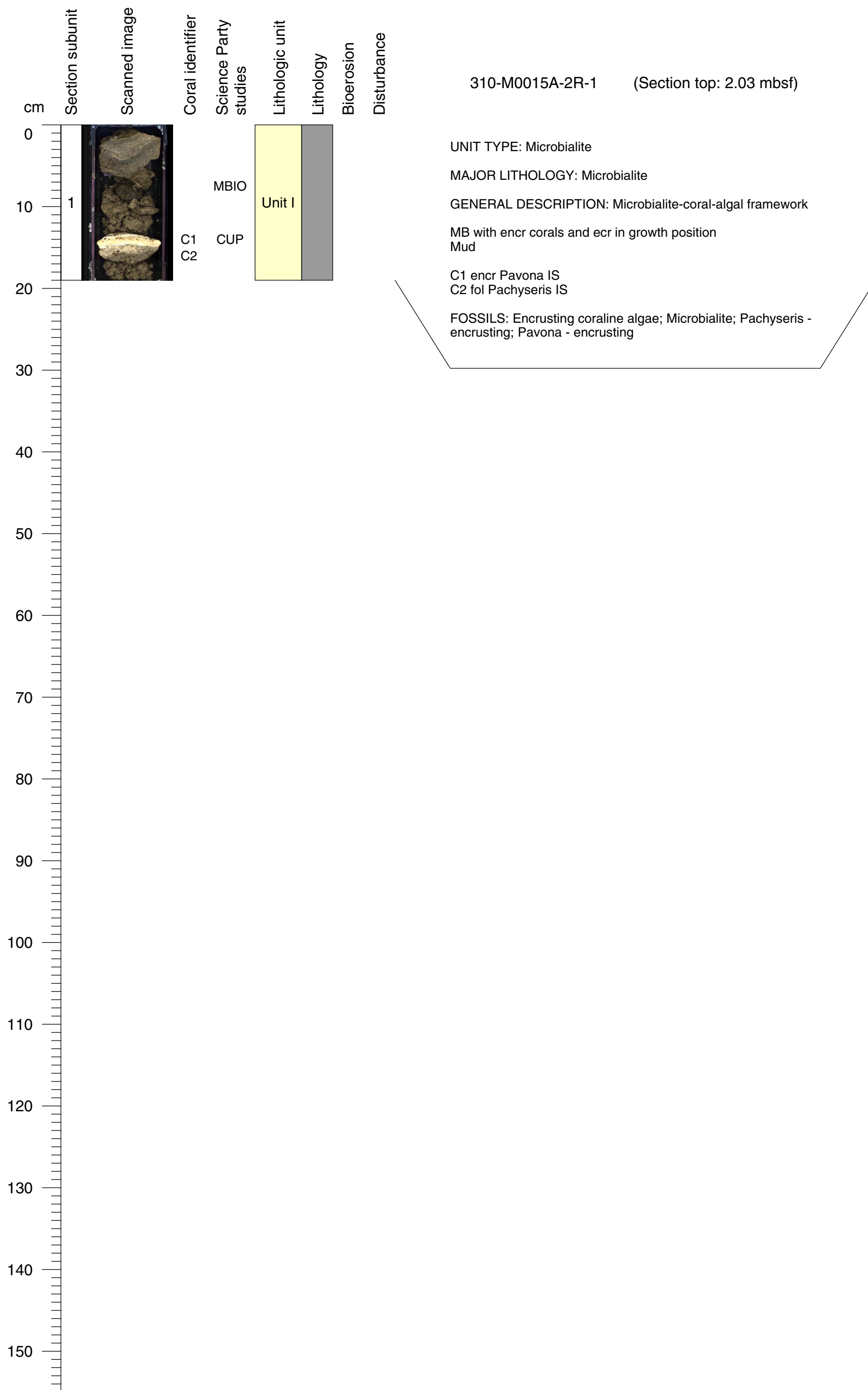


**Core Photo**

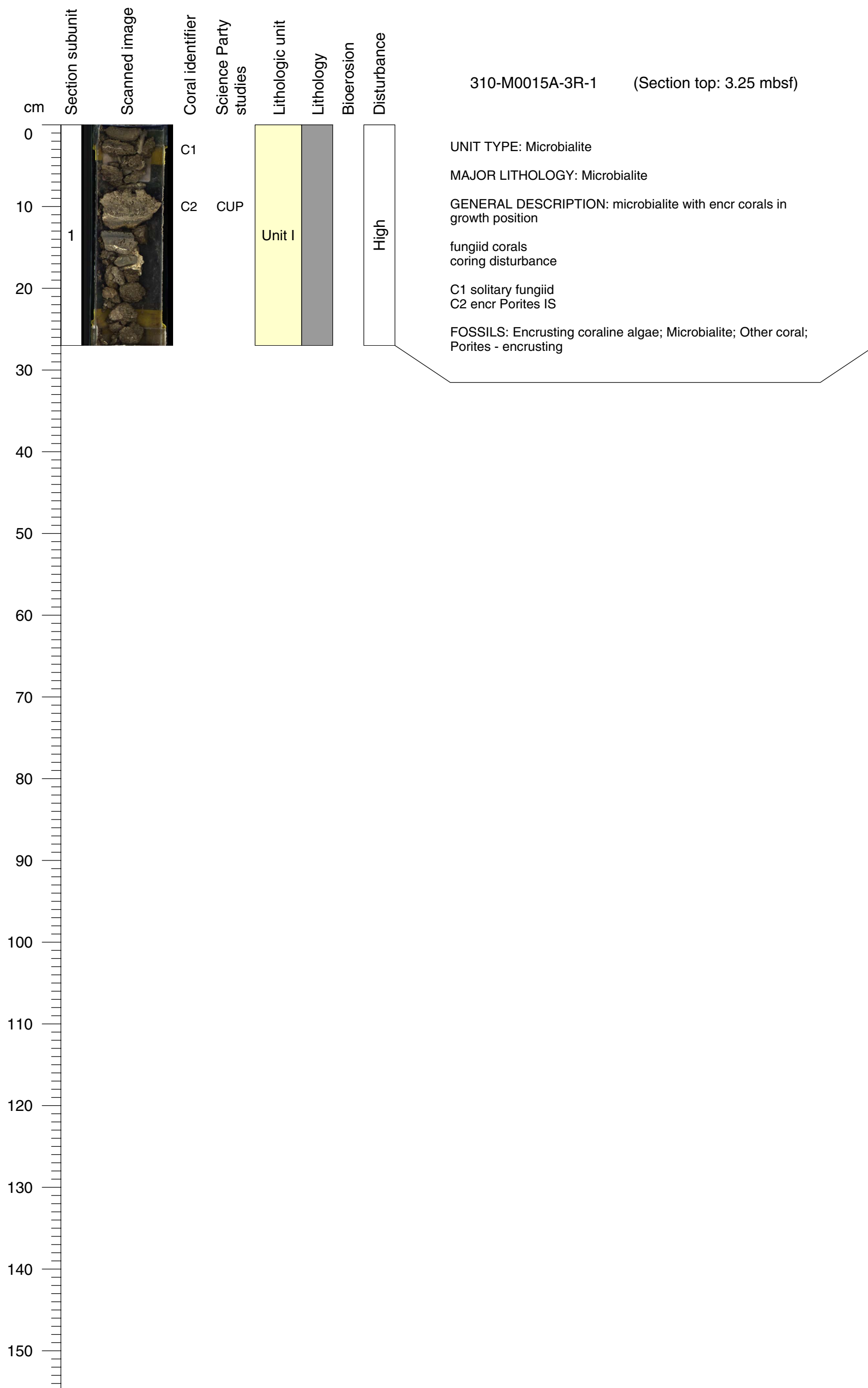


**Core Photo**

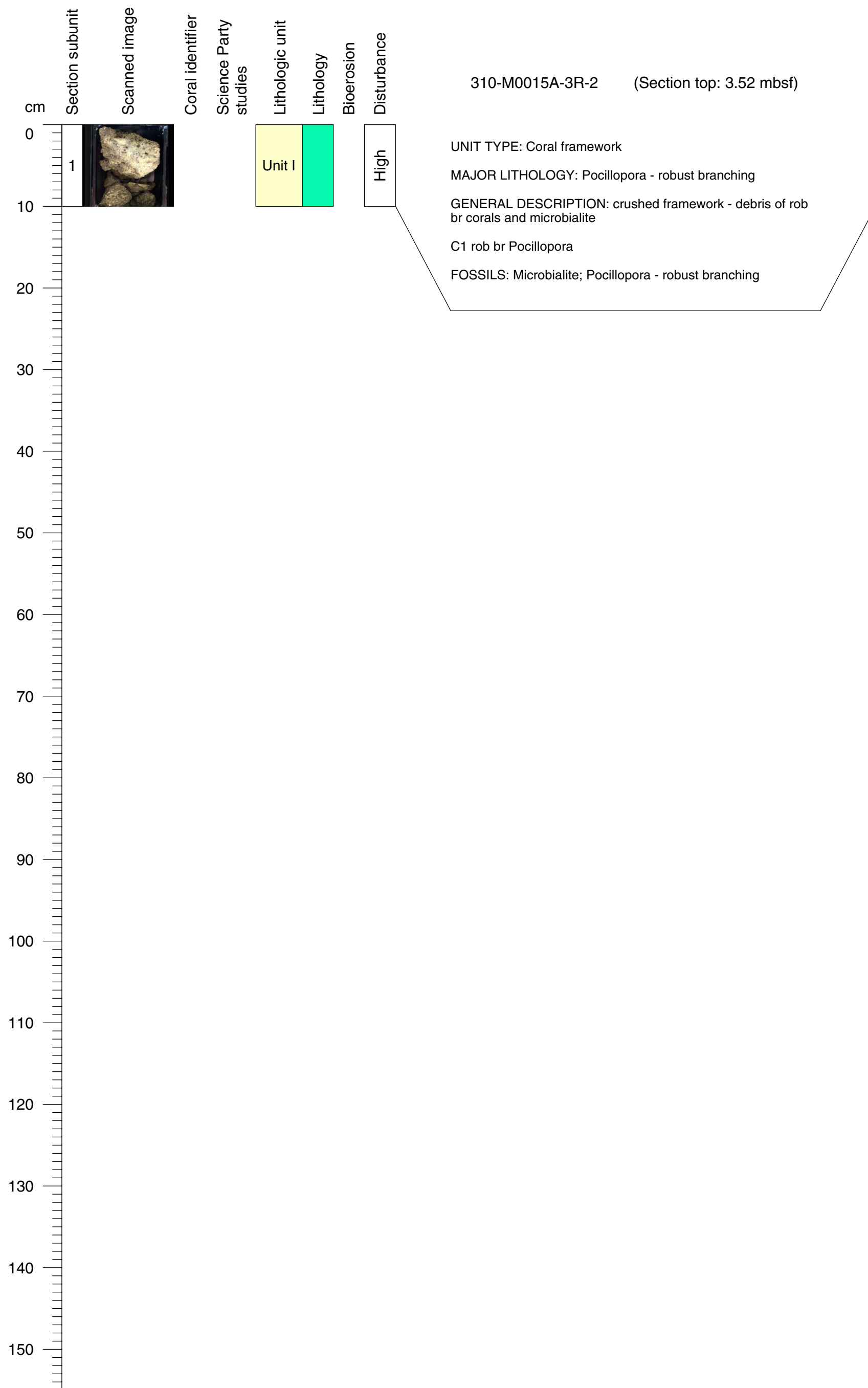


**Core Photo**

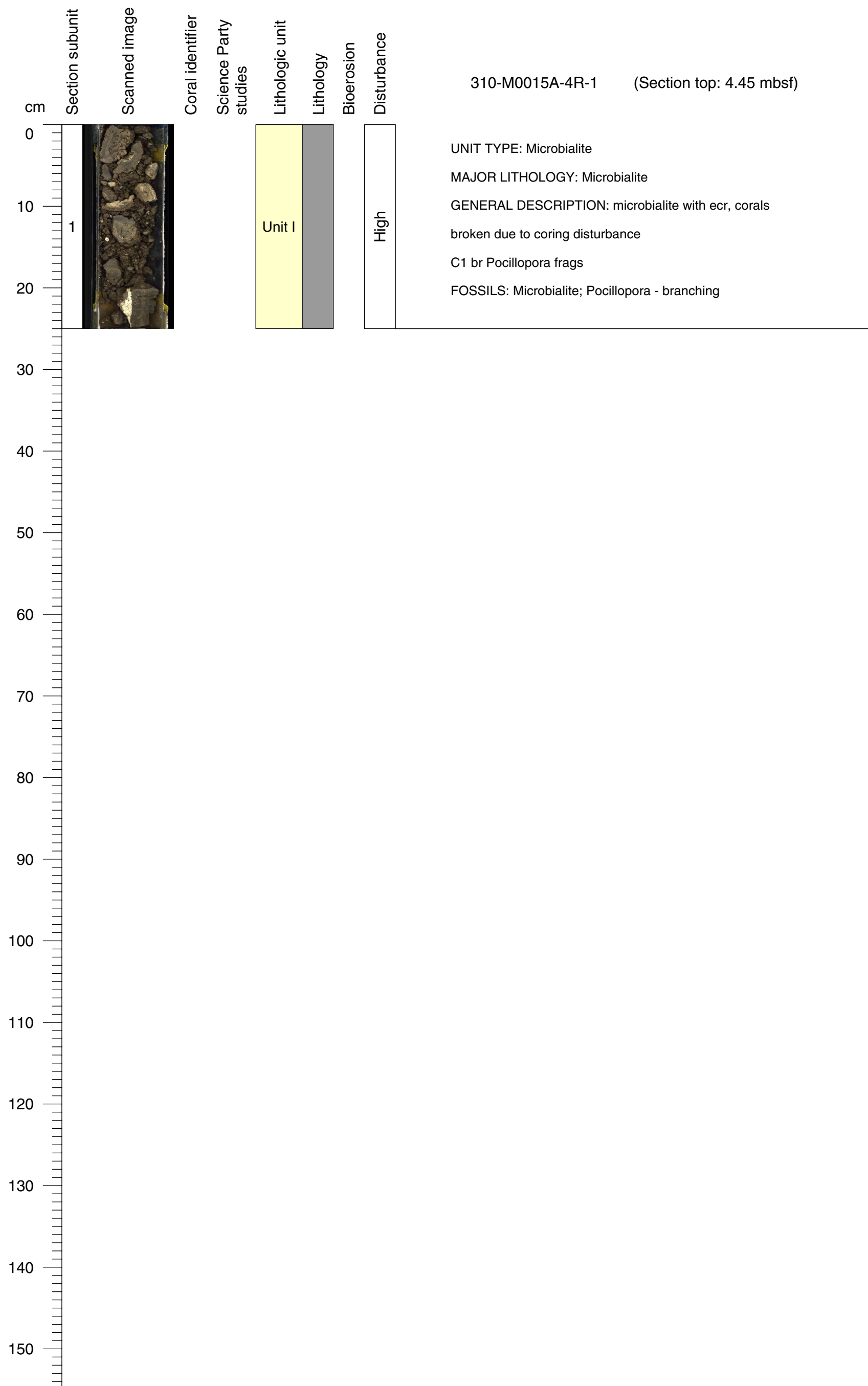
310-M0015A-3R-1 (Section top: 3.25 mbsf)



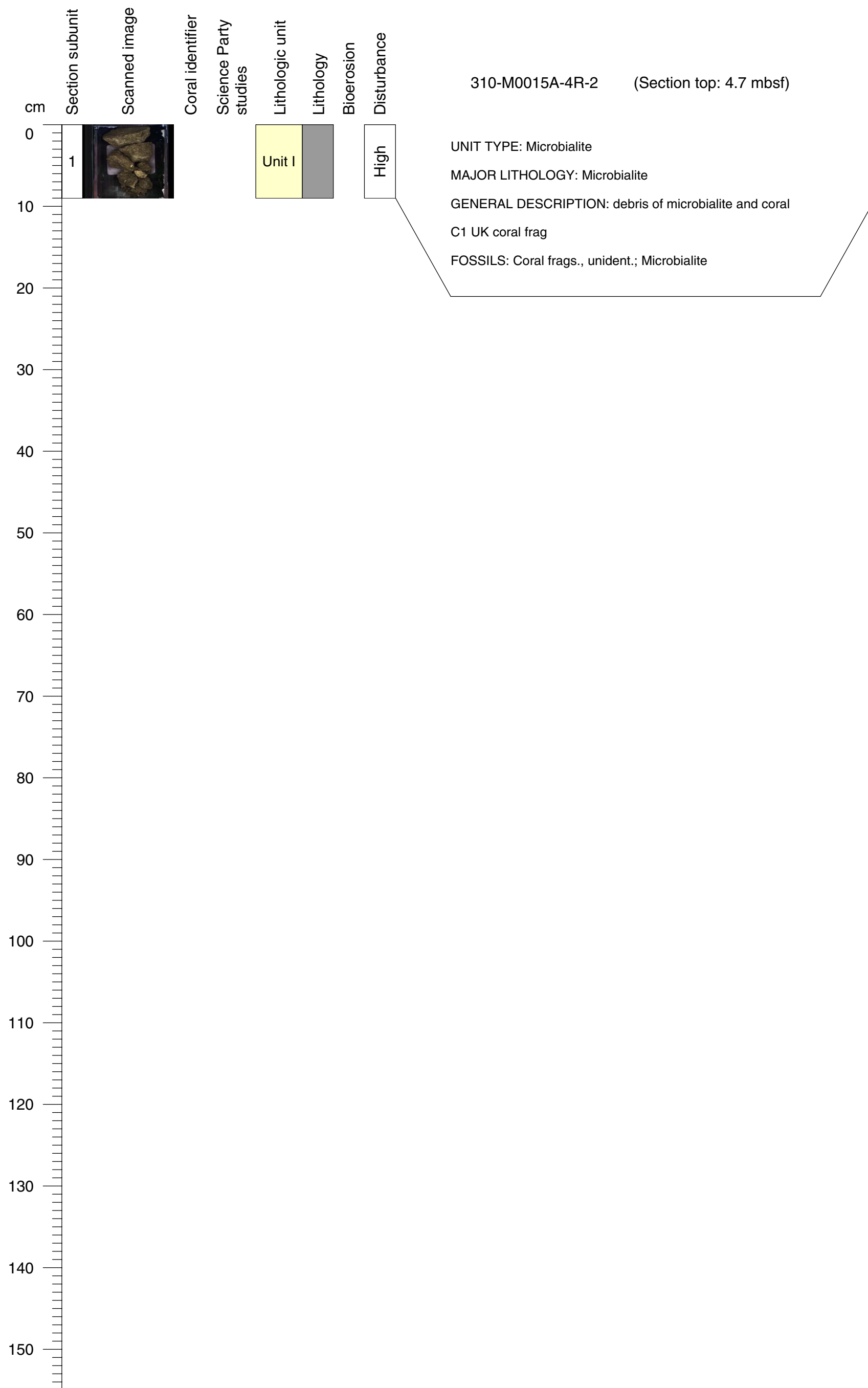
**Core Photo**



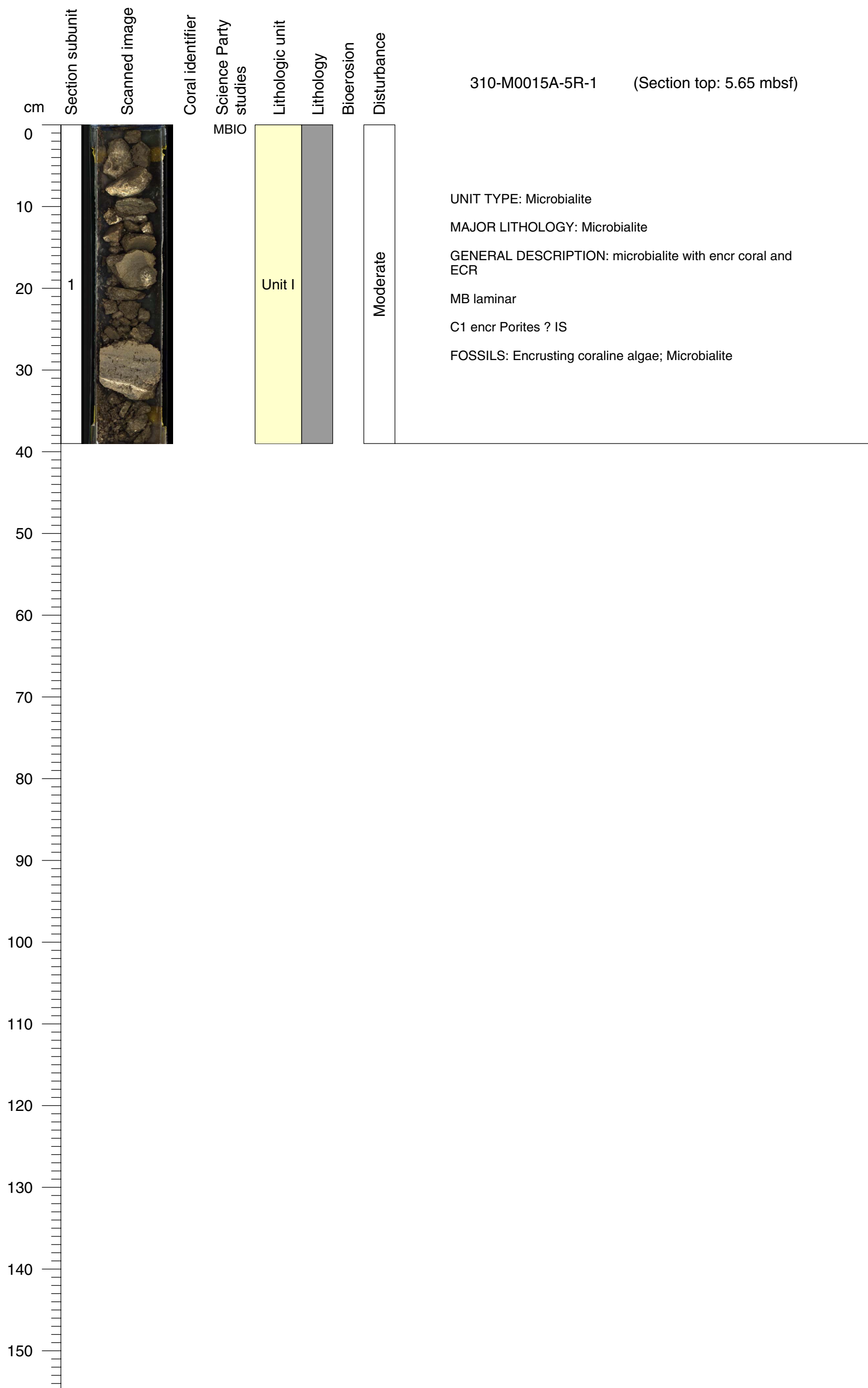
**Core Photo**



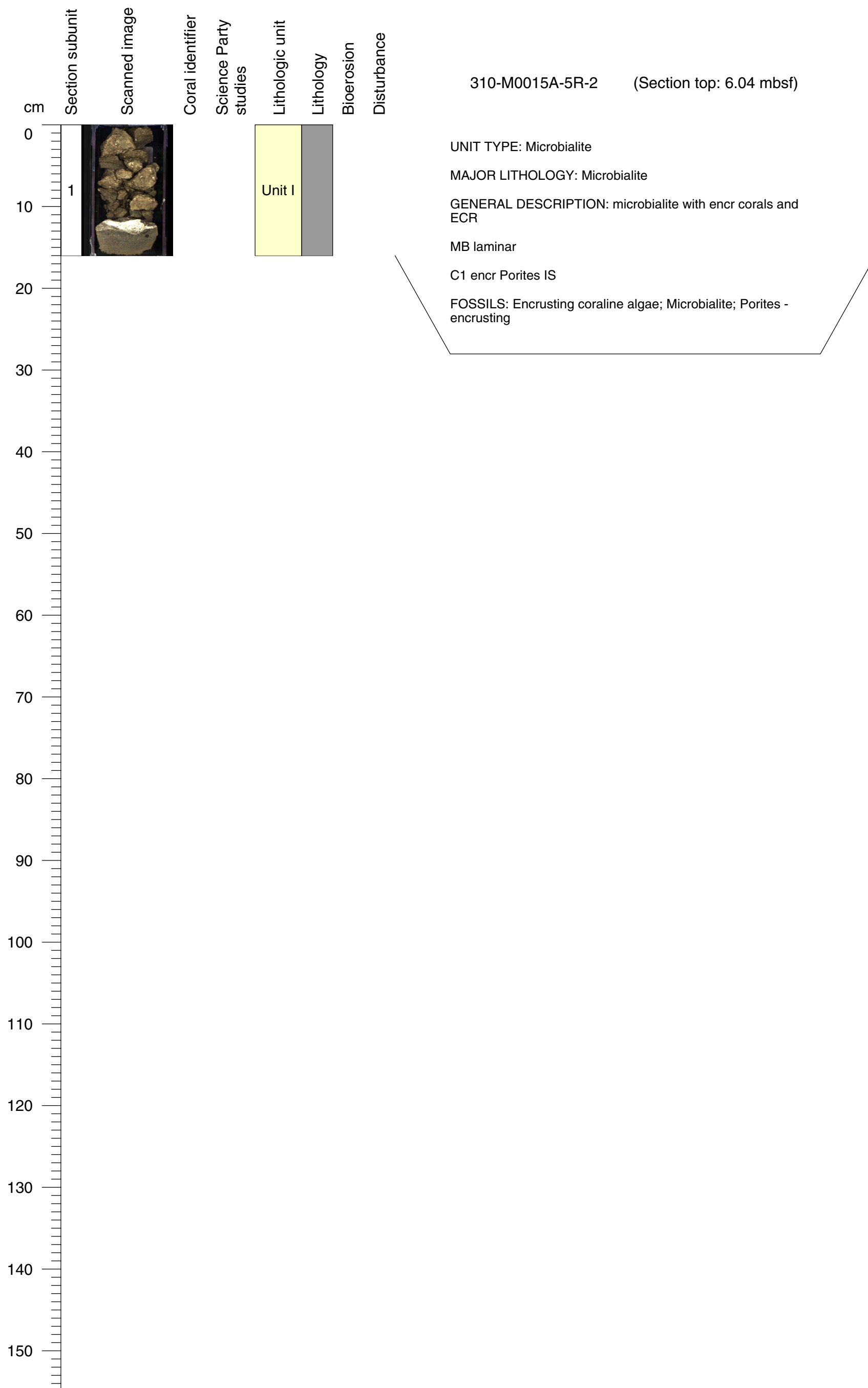
**Core Photo**



**Core Photo**



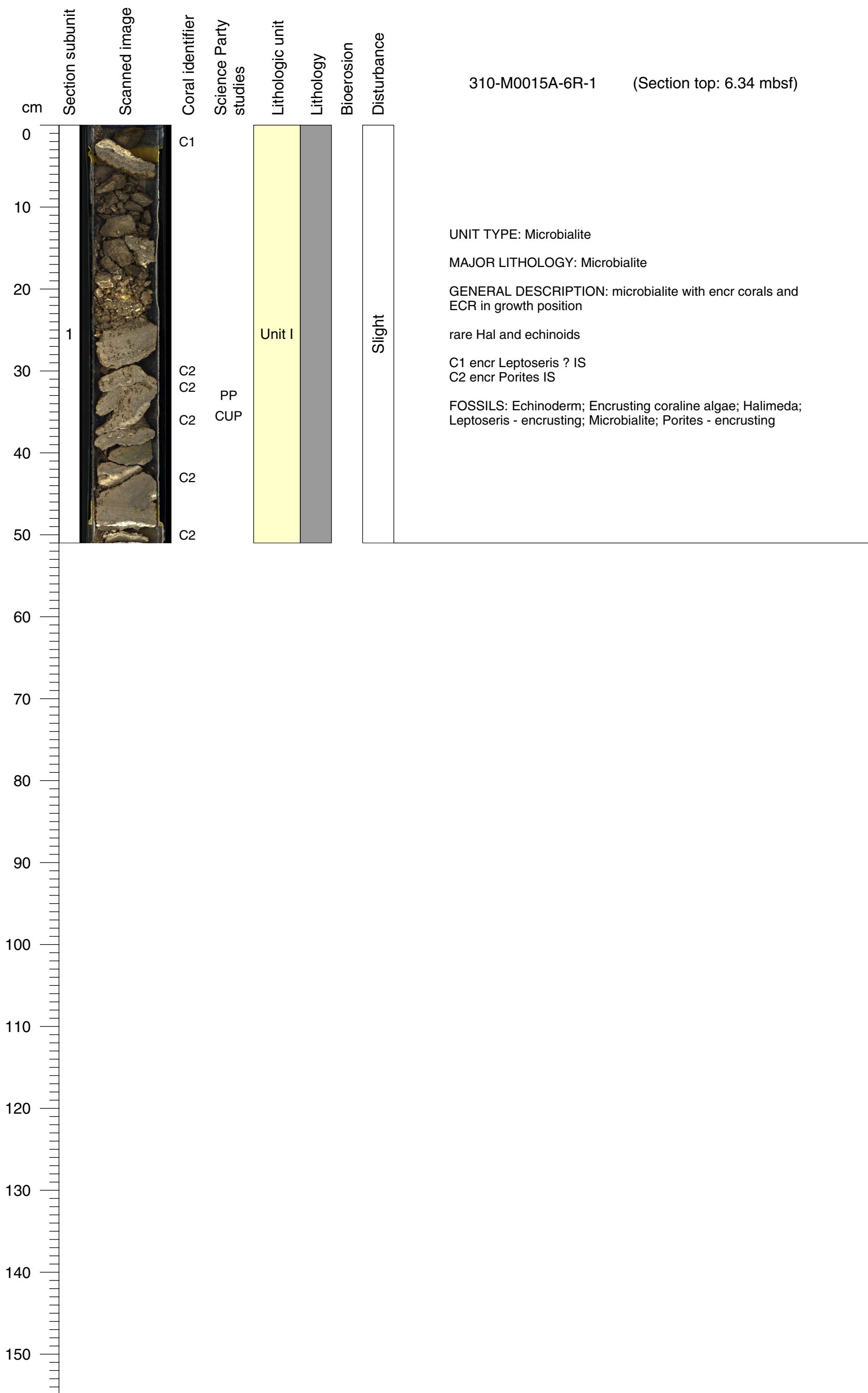
**Core Photo**



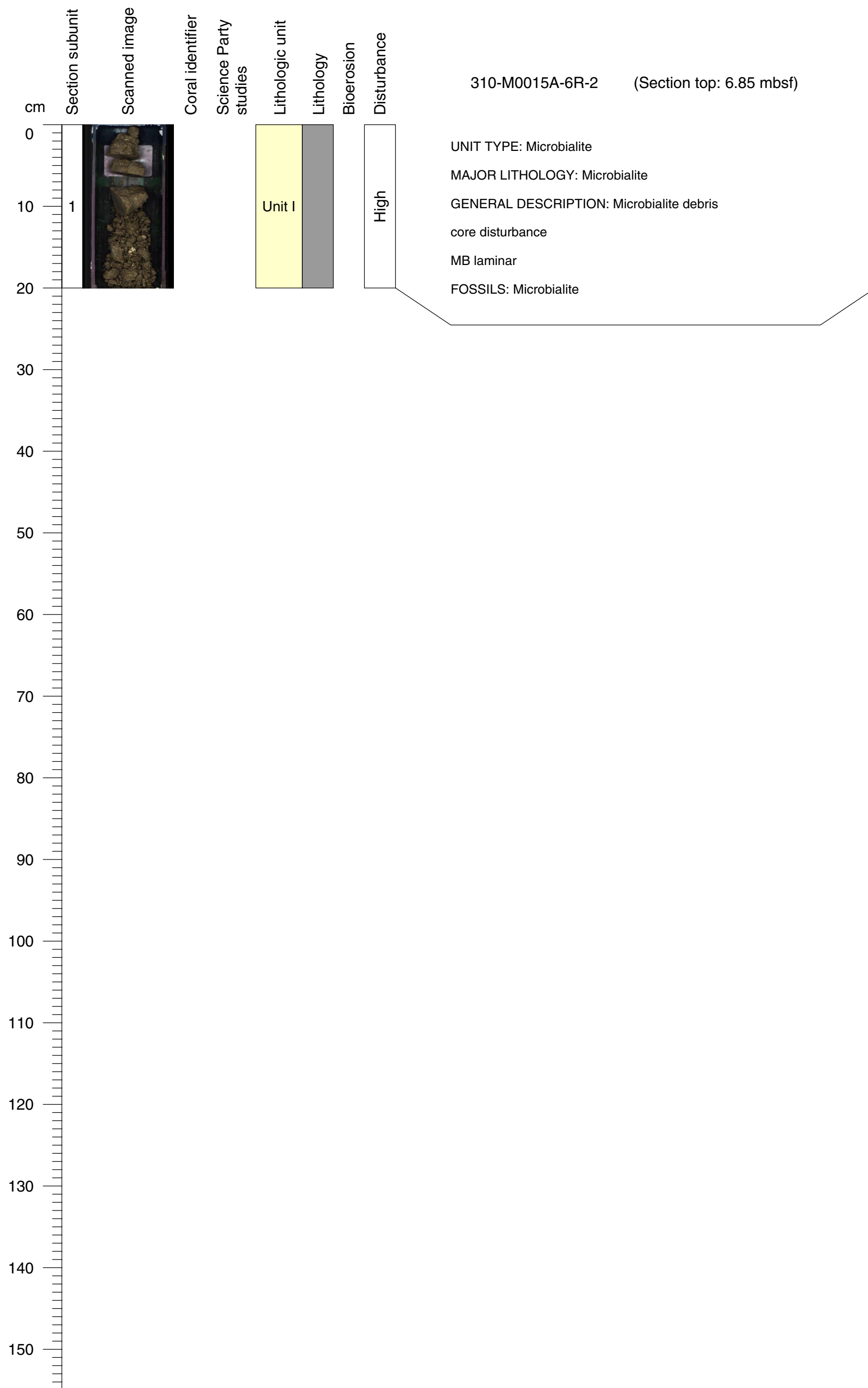


Core Photo

310-M0015A-6R-1 (Section top: 6.34 mbsf)

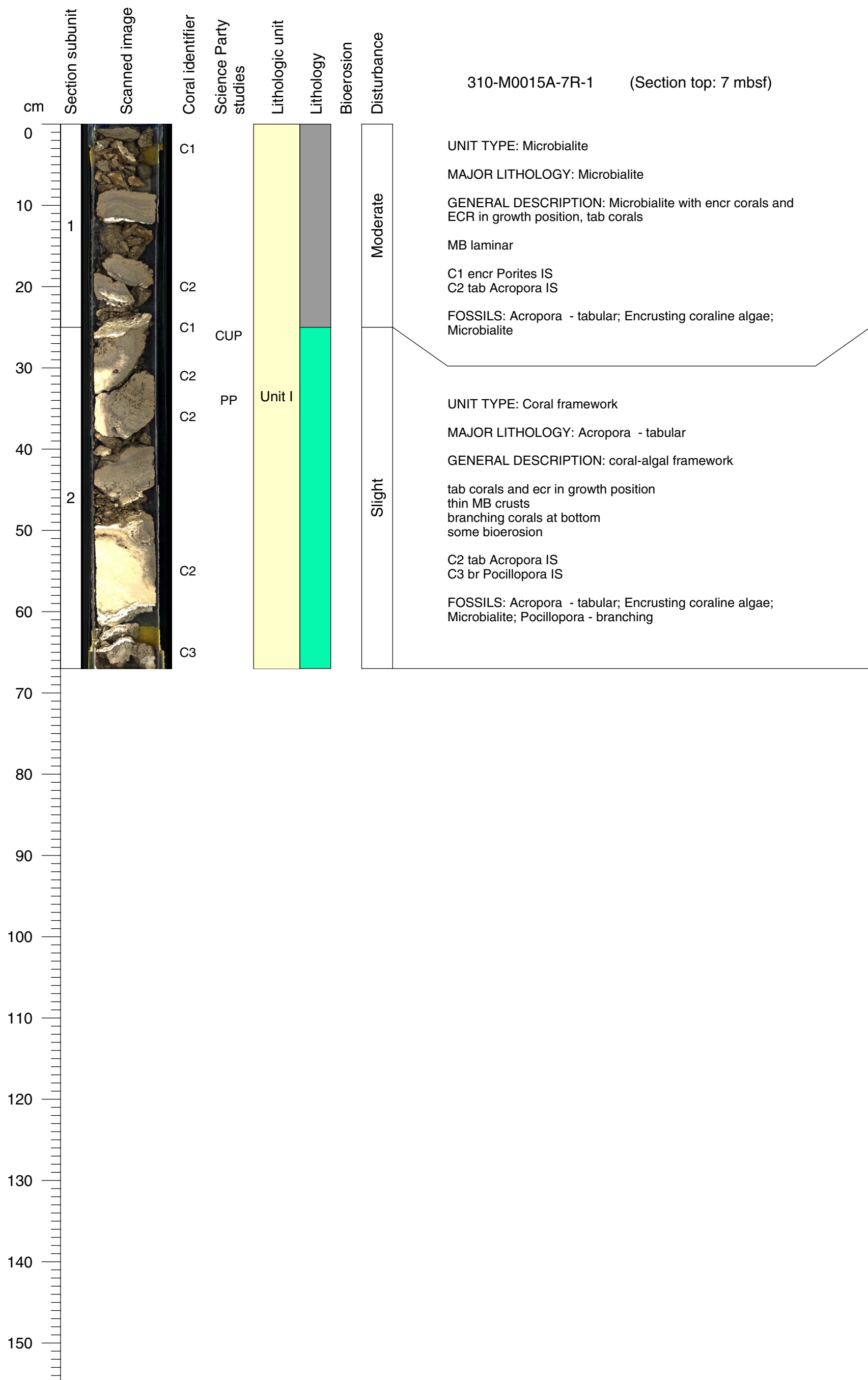


**Core Photo**

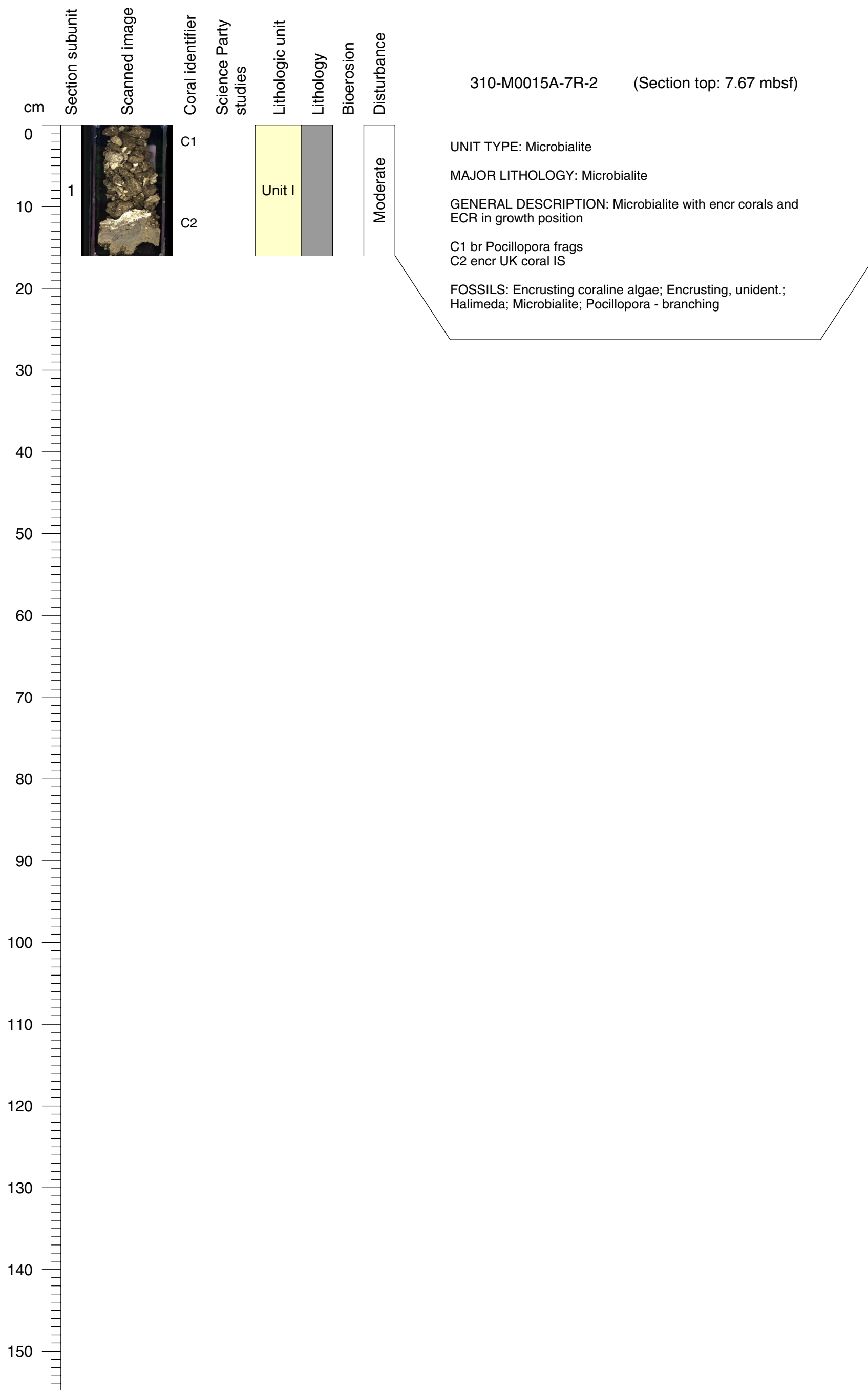


Core Photo

310-M0015A-7R-1 (Section top: 7 mbsf)

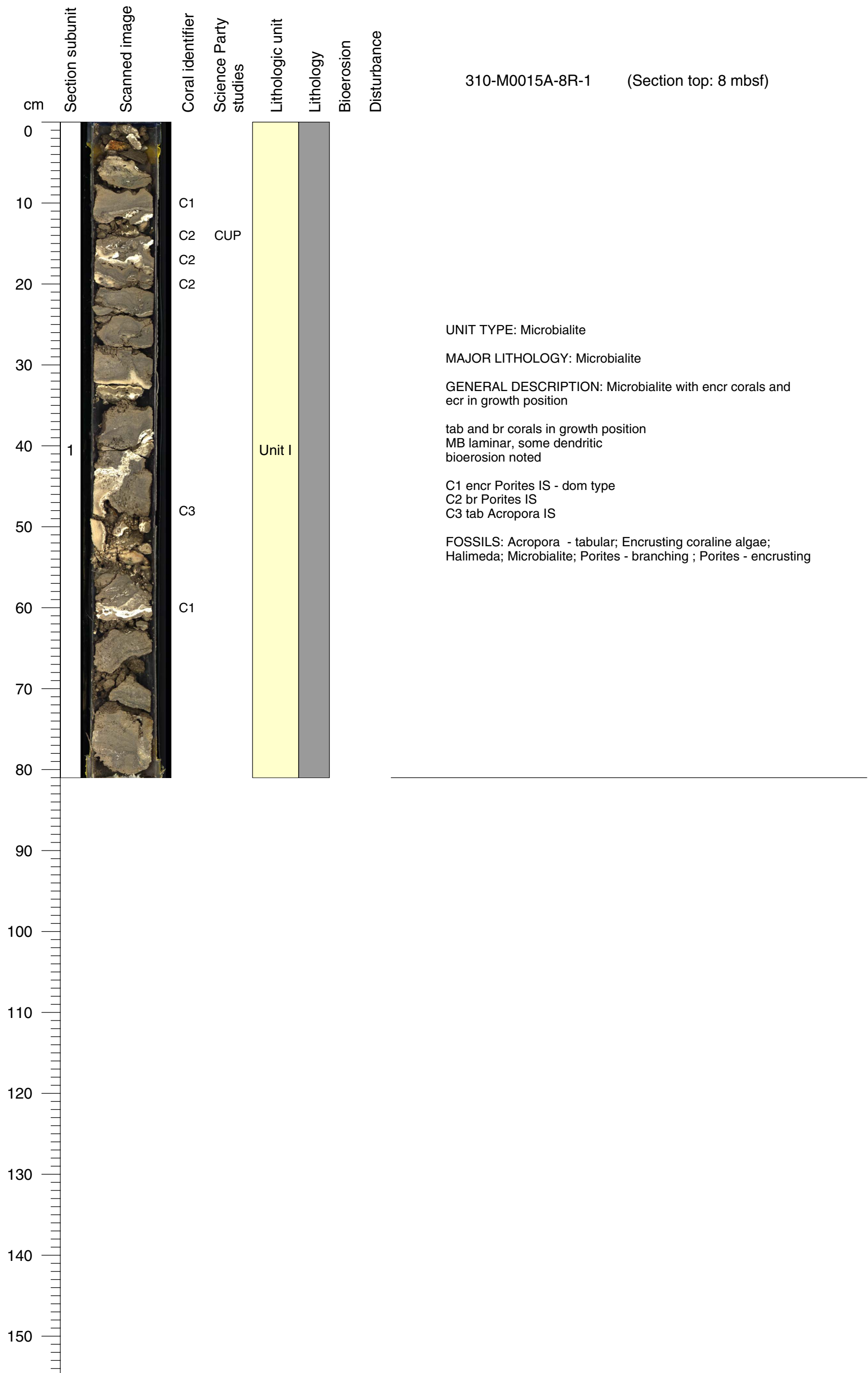


**Core Photo**

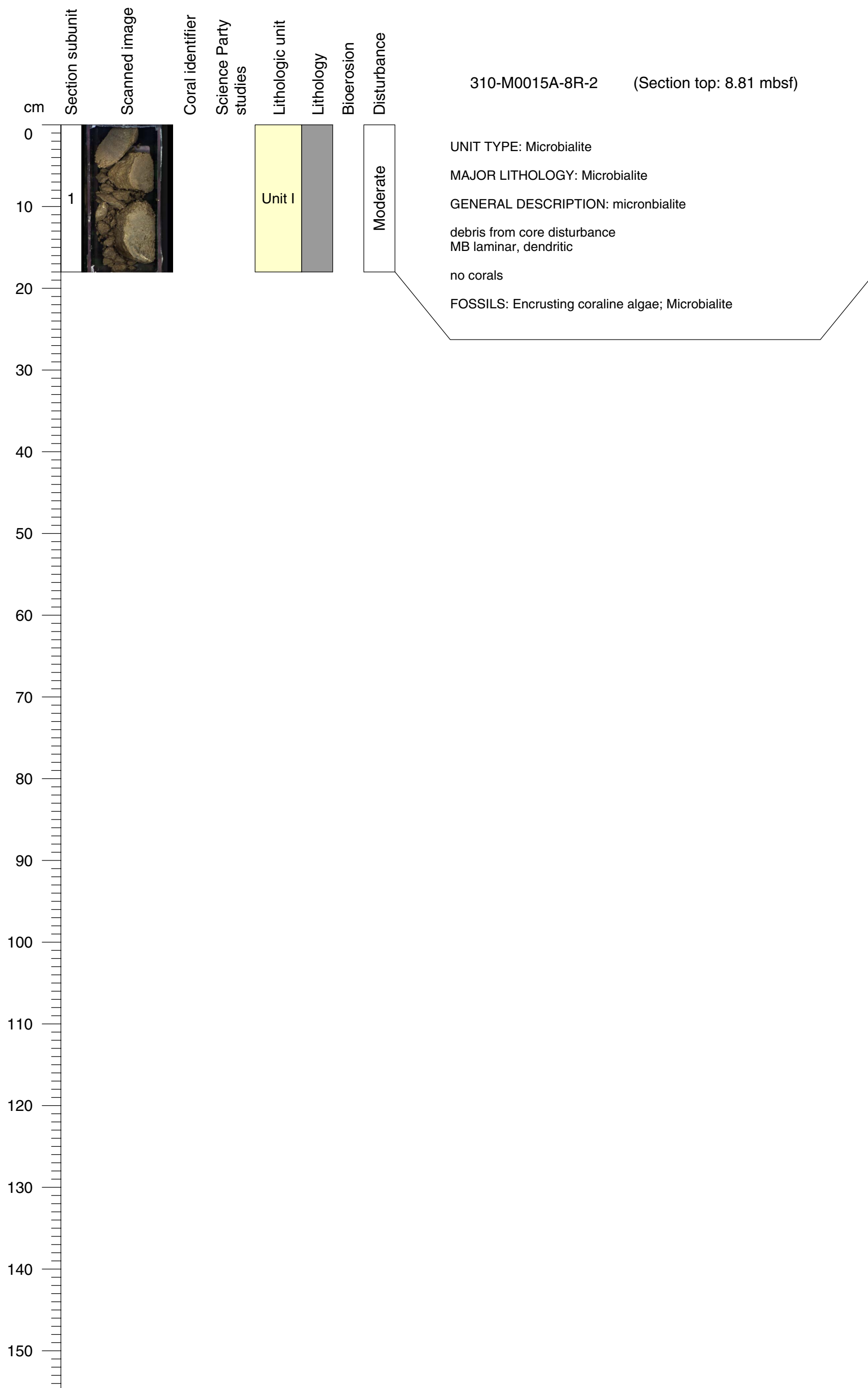


Core Photo

310-M0015A-8R-1 (Section top: 8 mbsf)

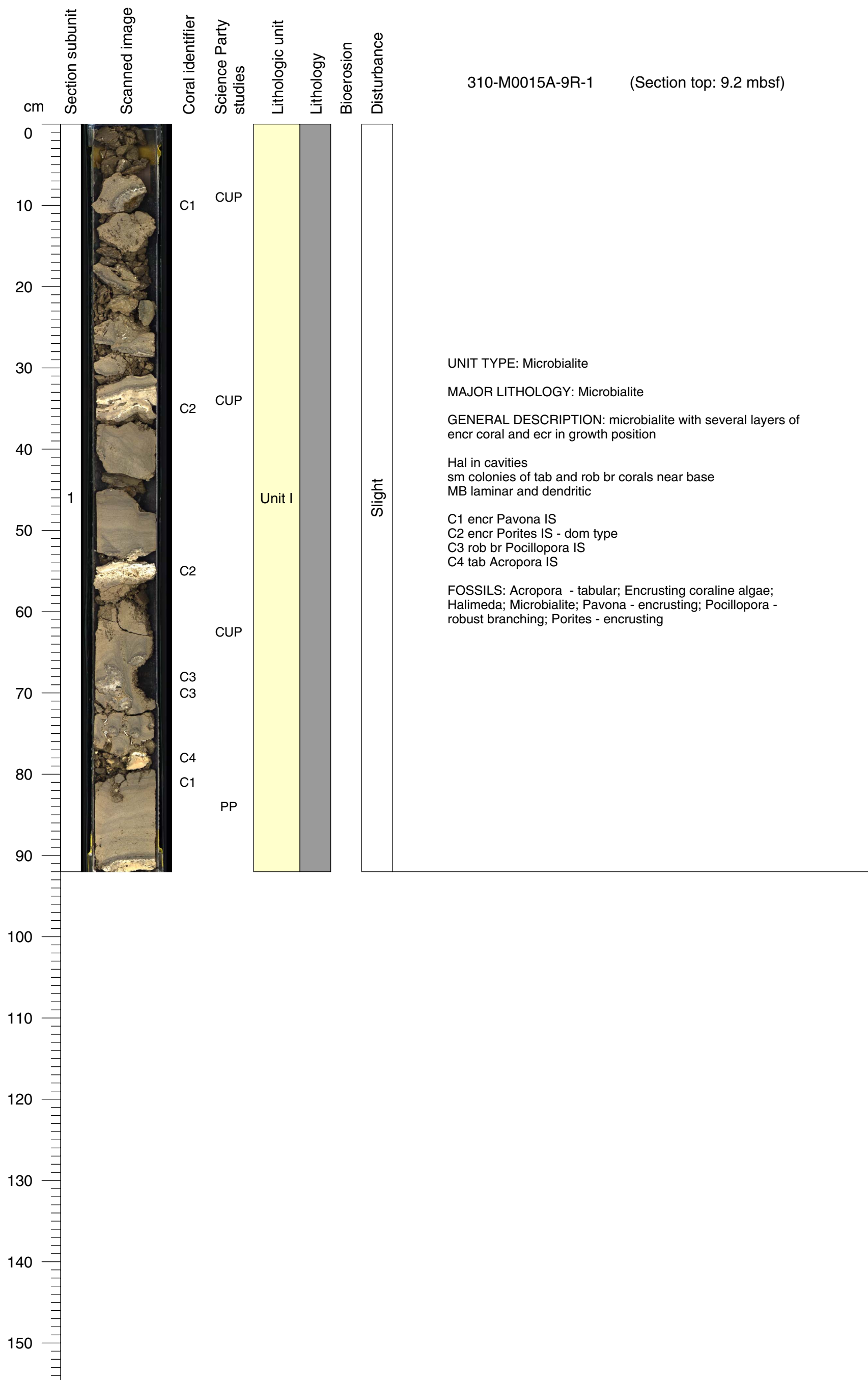


**Core Photo**

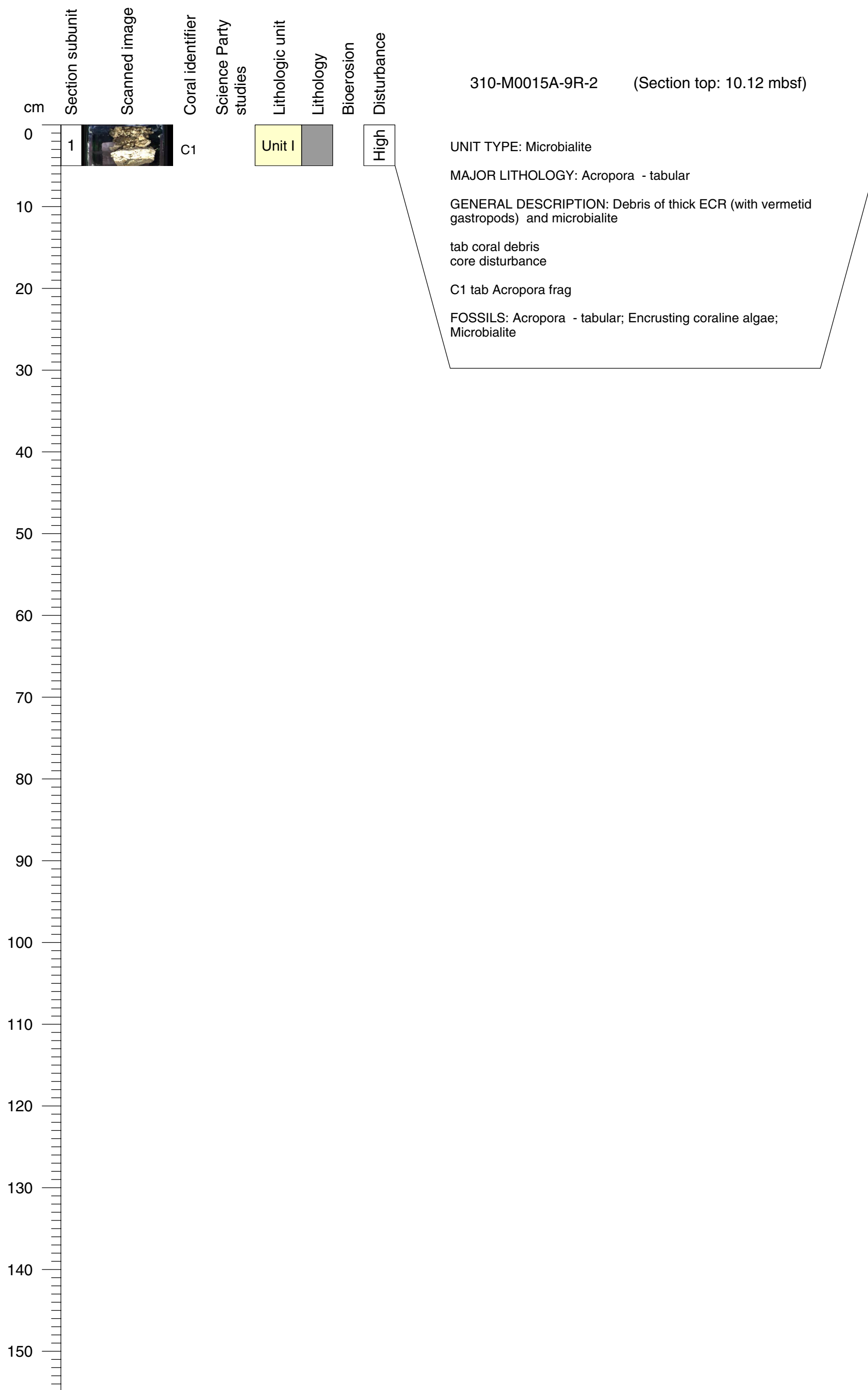


Core Photo

310-M0015A-9R-1 (Section top: 9.2 mbsf)



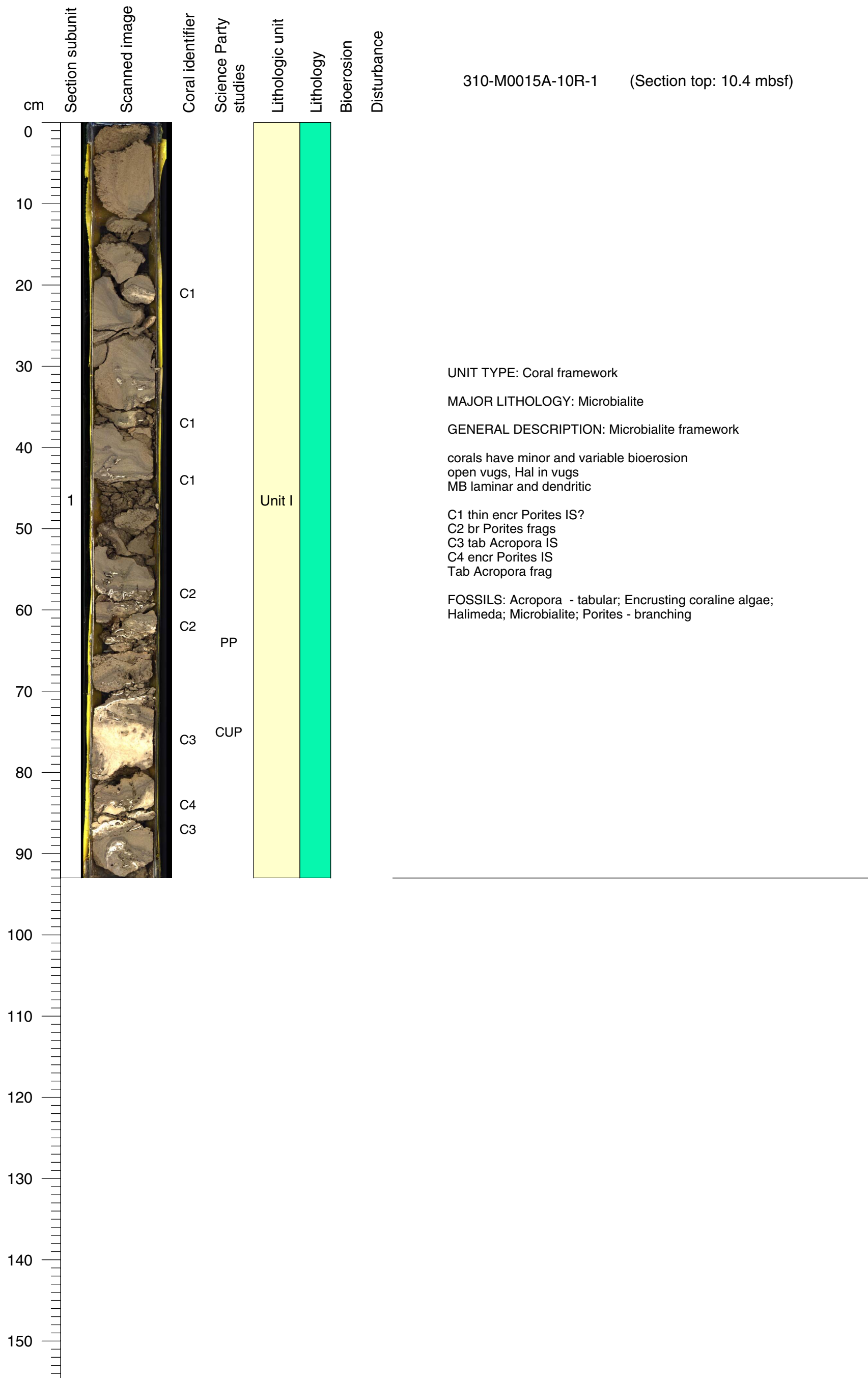
**Core Photo**





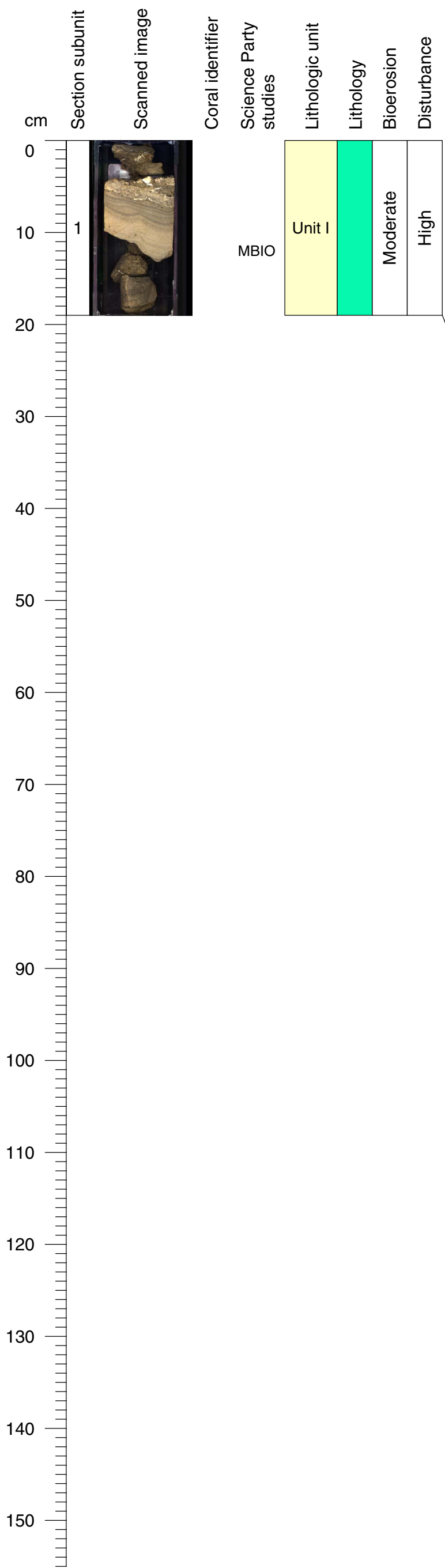
Core Photo

310-M0015A-10R-1 (Section top: 10.4 mbsf)



**Core Photo**

310-M0015A-10R-2 (Section top: 11.33 mbsf)

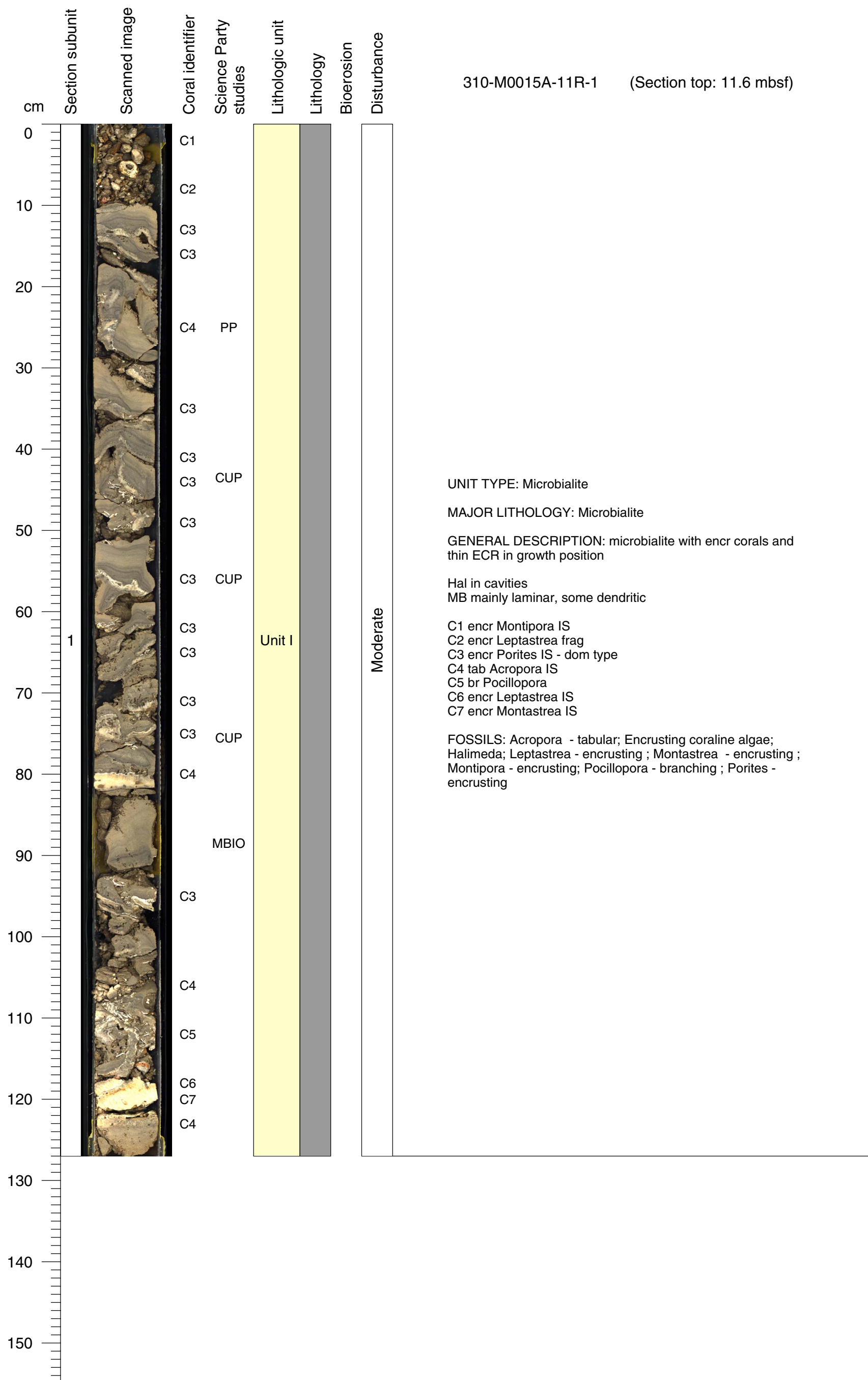


UNIT TYPE: Coral framework  
 MAJOR LITHOLOGY: Microbialite  
 GENERAL DESCRIPTION: framework  
 microbialite morphology  
 laminated, smooth surfaces  
 geopetals in borings  
 CORALS  
 tabular acropora, orientation not clear  
 NOTE sample is upside down! (geopetals)  
 FOSSILS: Acropora - tabular; Encrusting coralline algae;  
 Halimeda; Microbialite

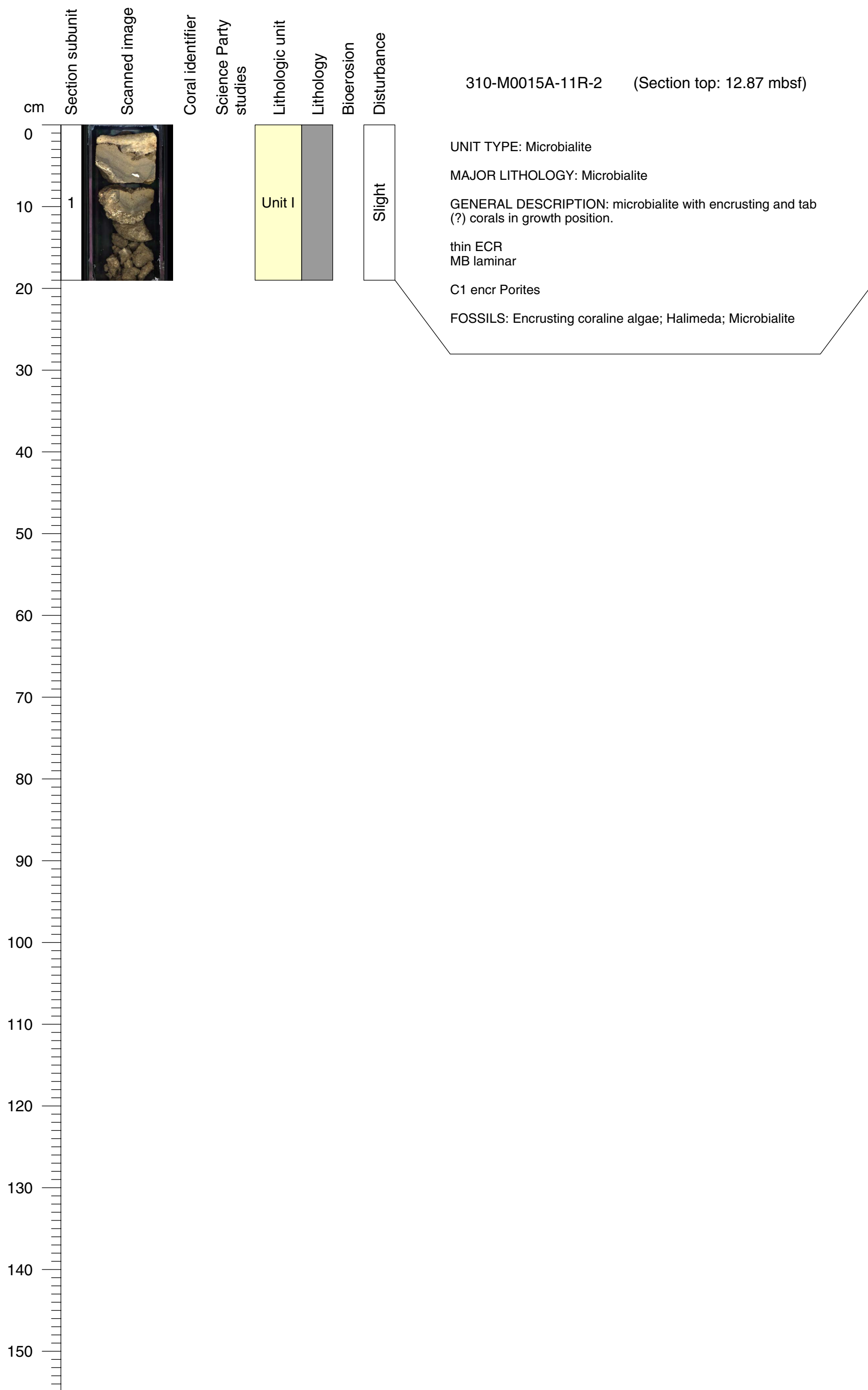


Core Photo

310-M0015A-11R-1 (Section top: 11.6 mbsf)

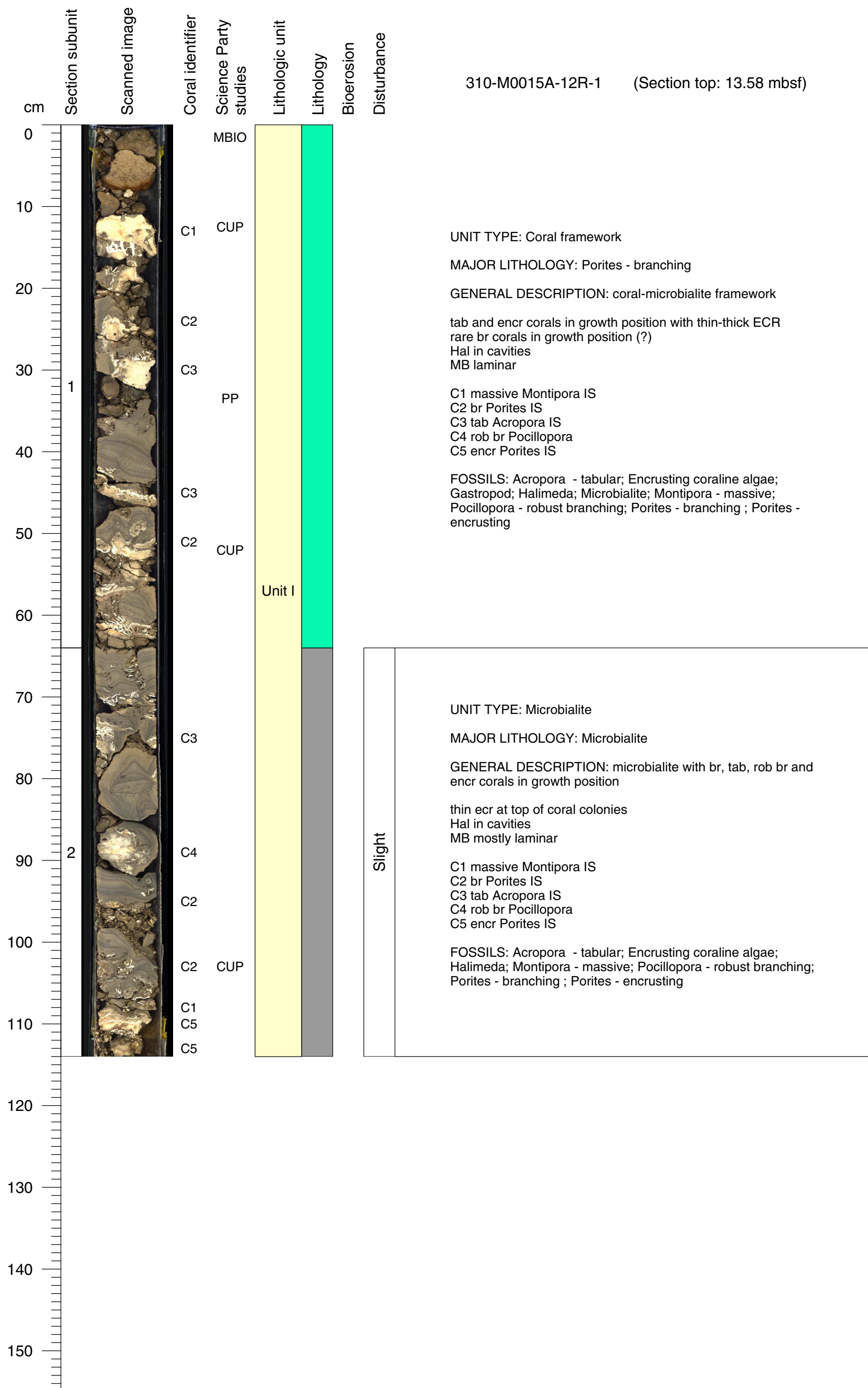


**Core Photo**



Core Photo

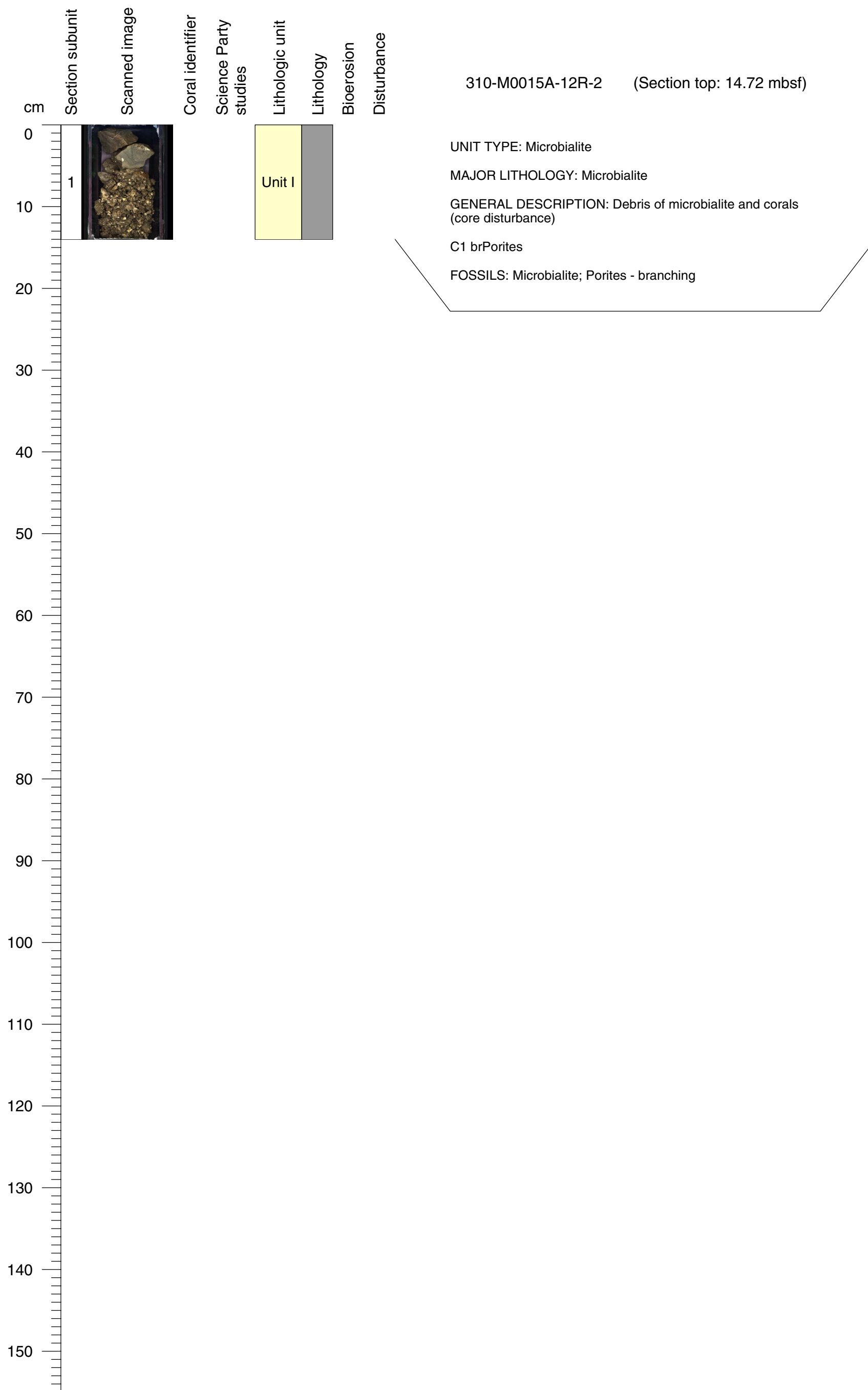
310-M0015A-12R-1 (Section top: 13.58 mbsf)



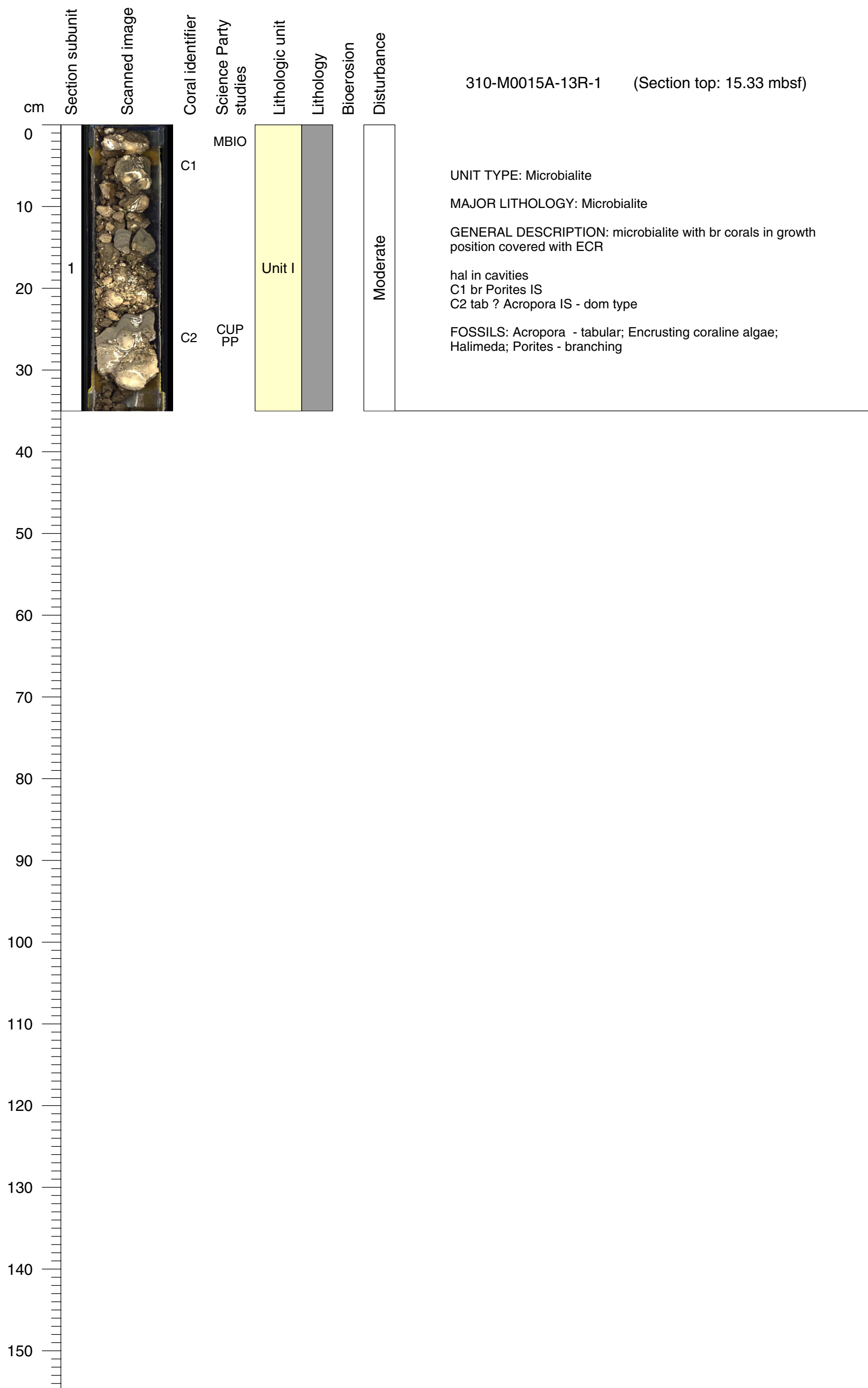
Slight



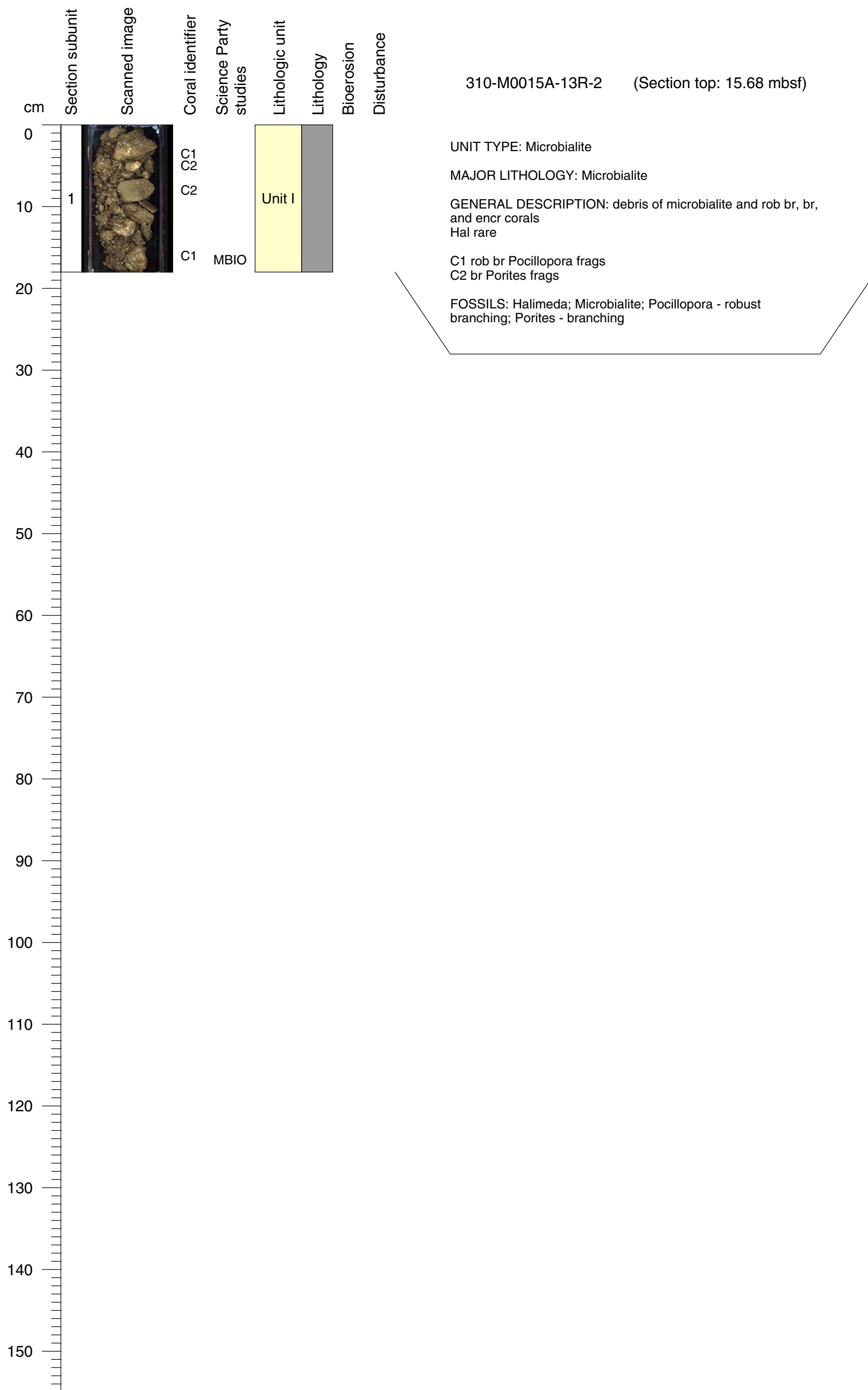
**Core Photo**



**Core Photo**



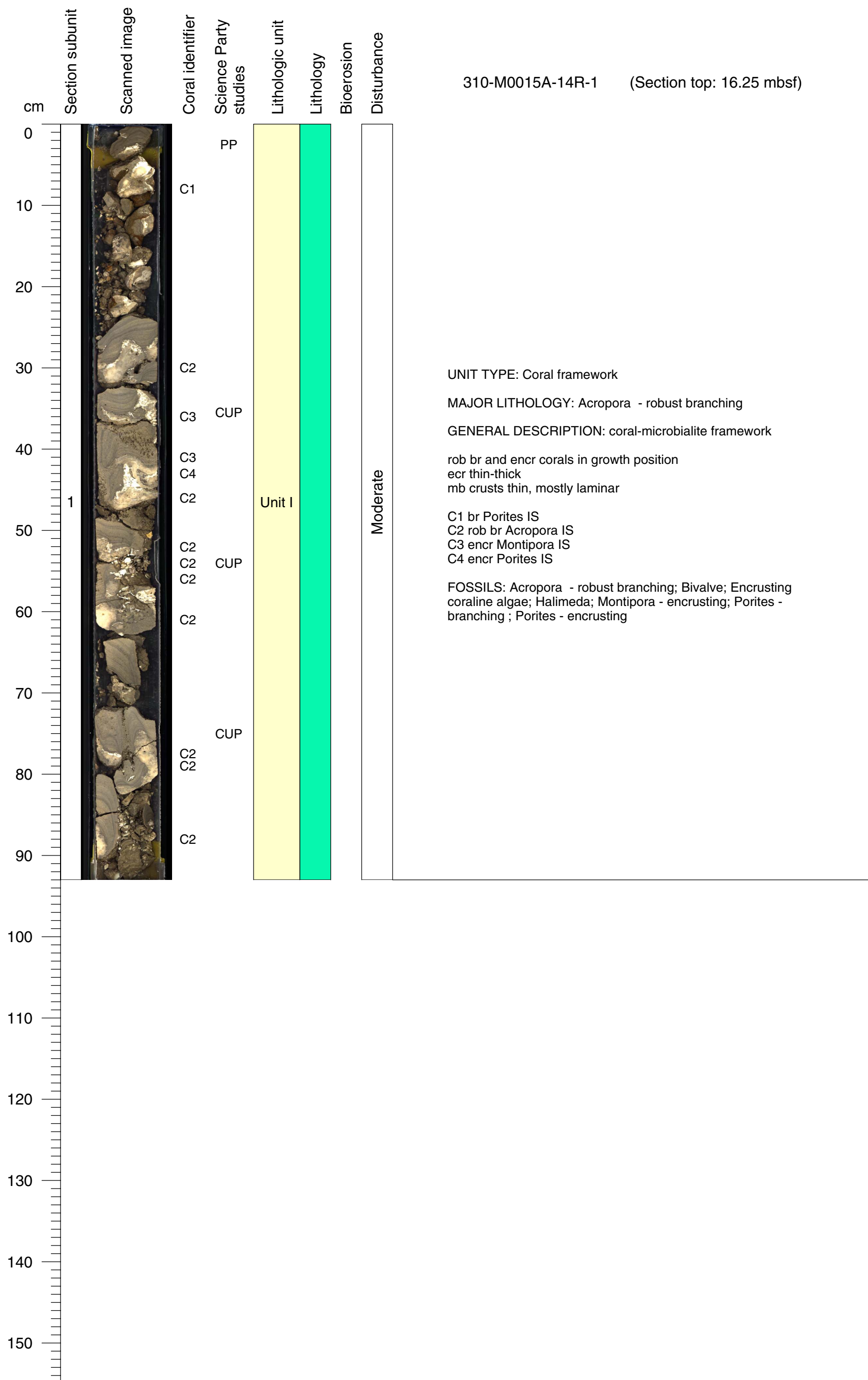
**Core Photo**



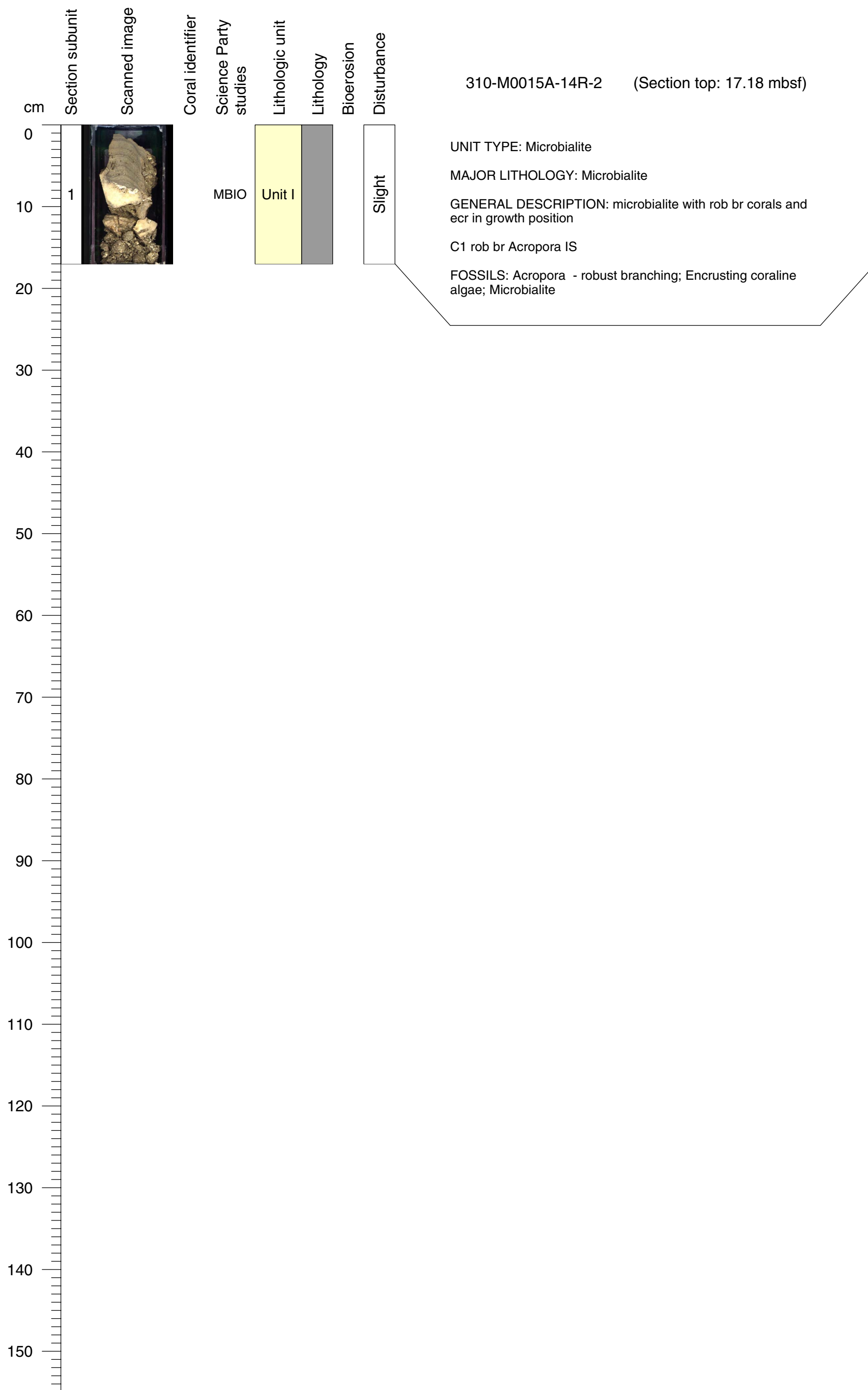


Core Photo

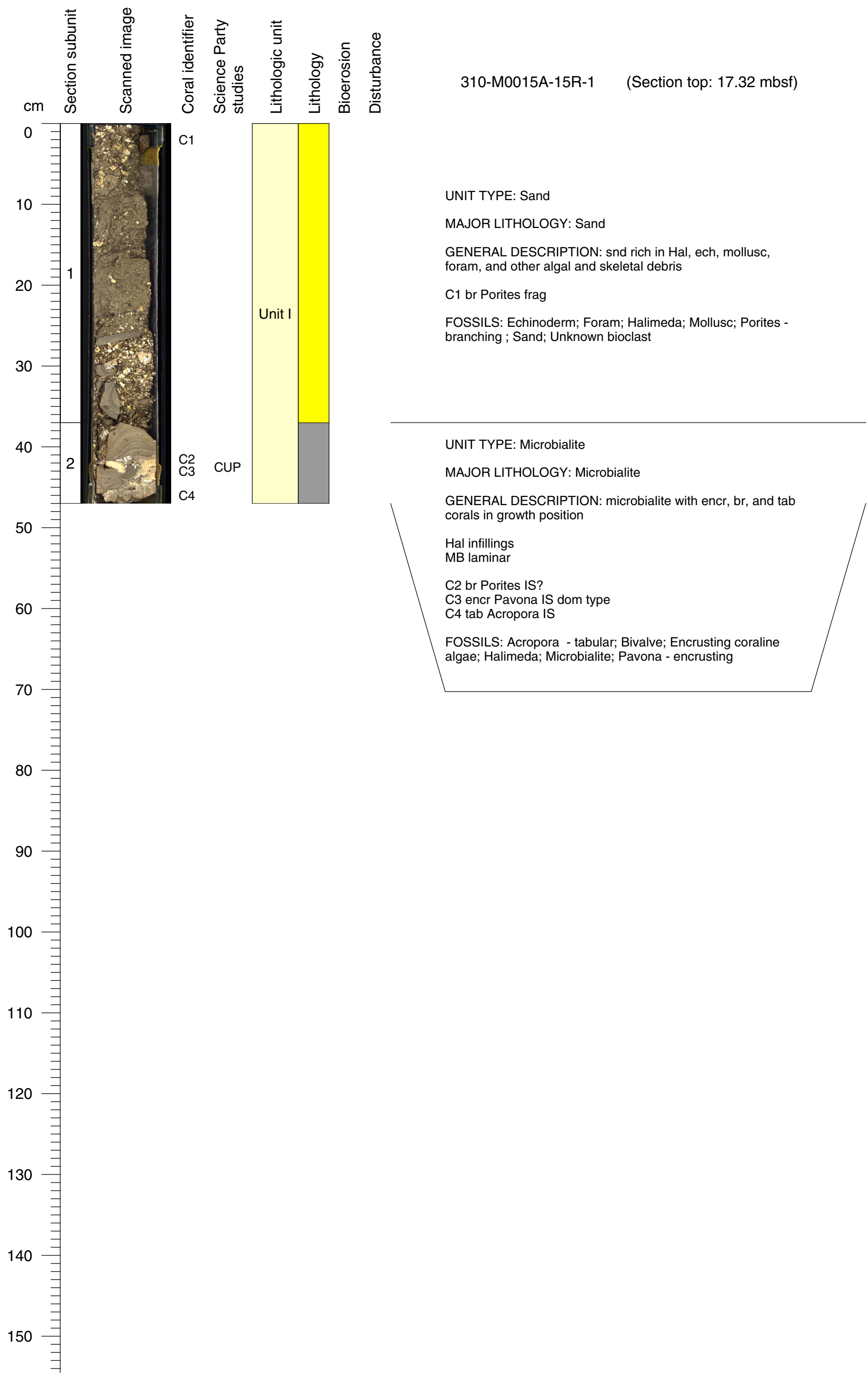
310-M0015A-14R-1 (Section top: 16.25 mbsf)



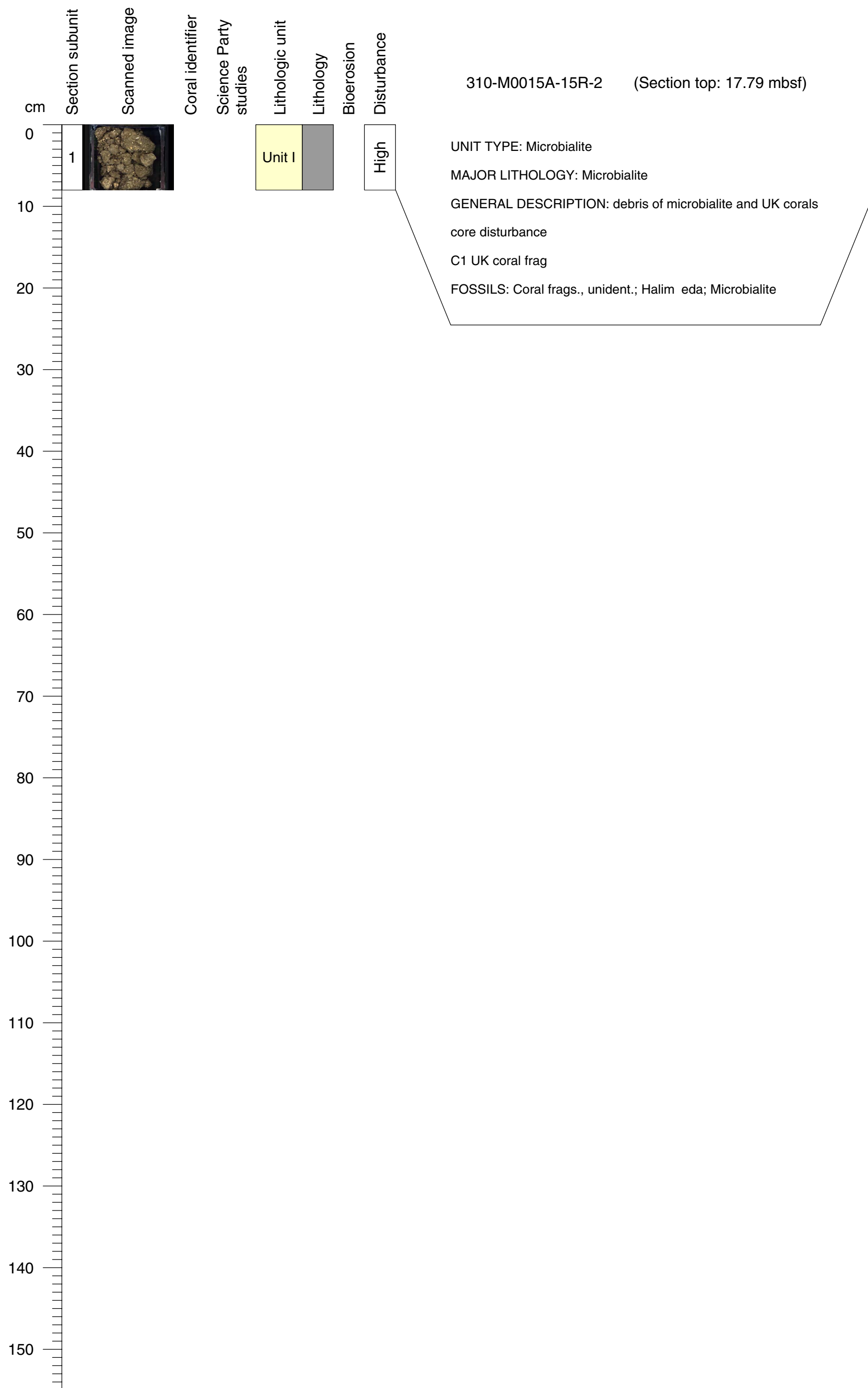
**Core Photo**



**Core Photo**

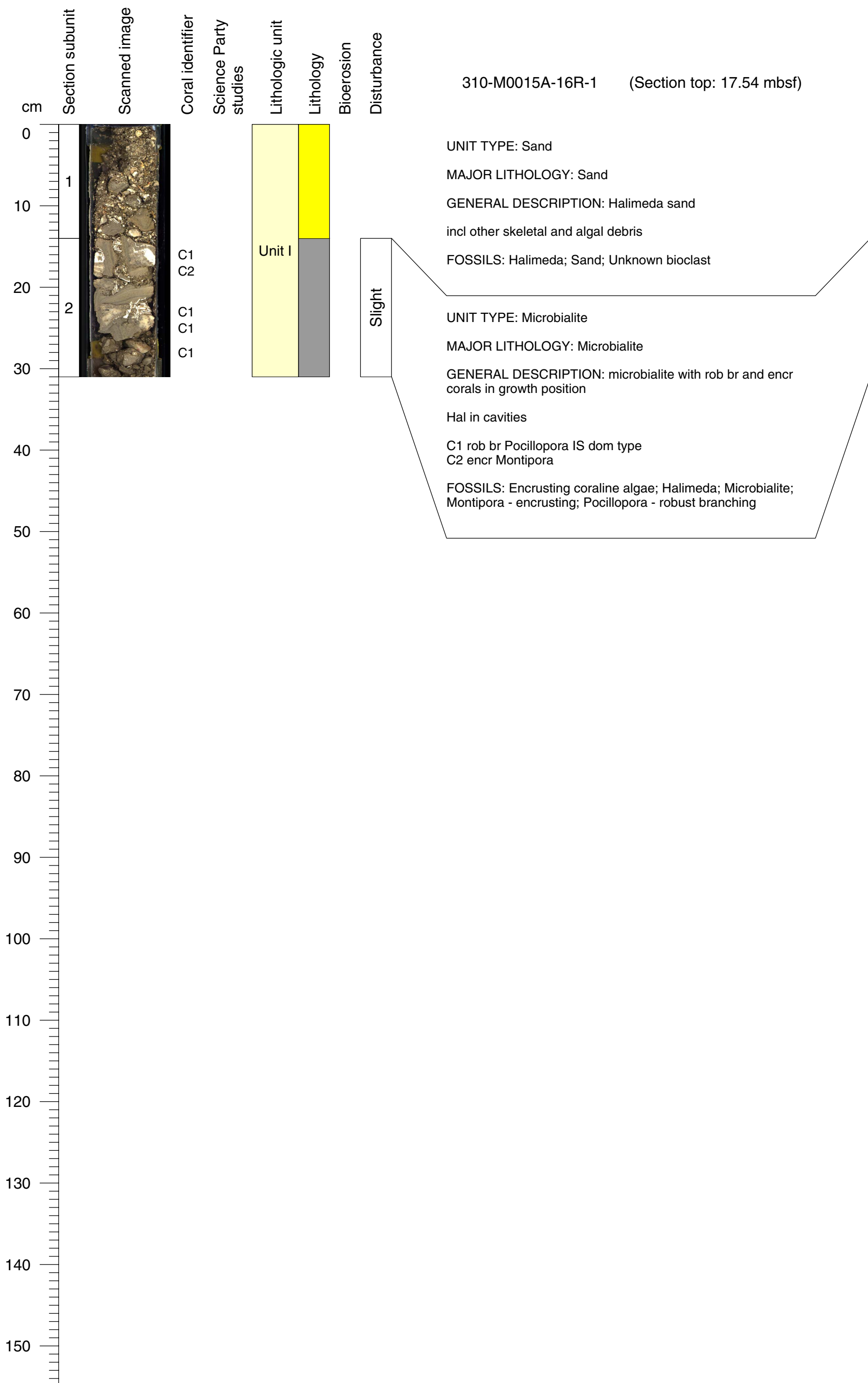


Core Photo

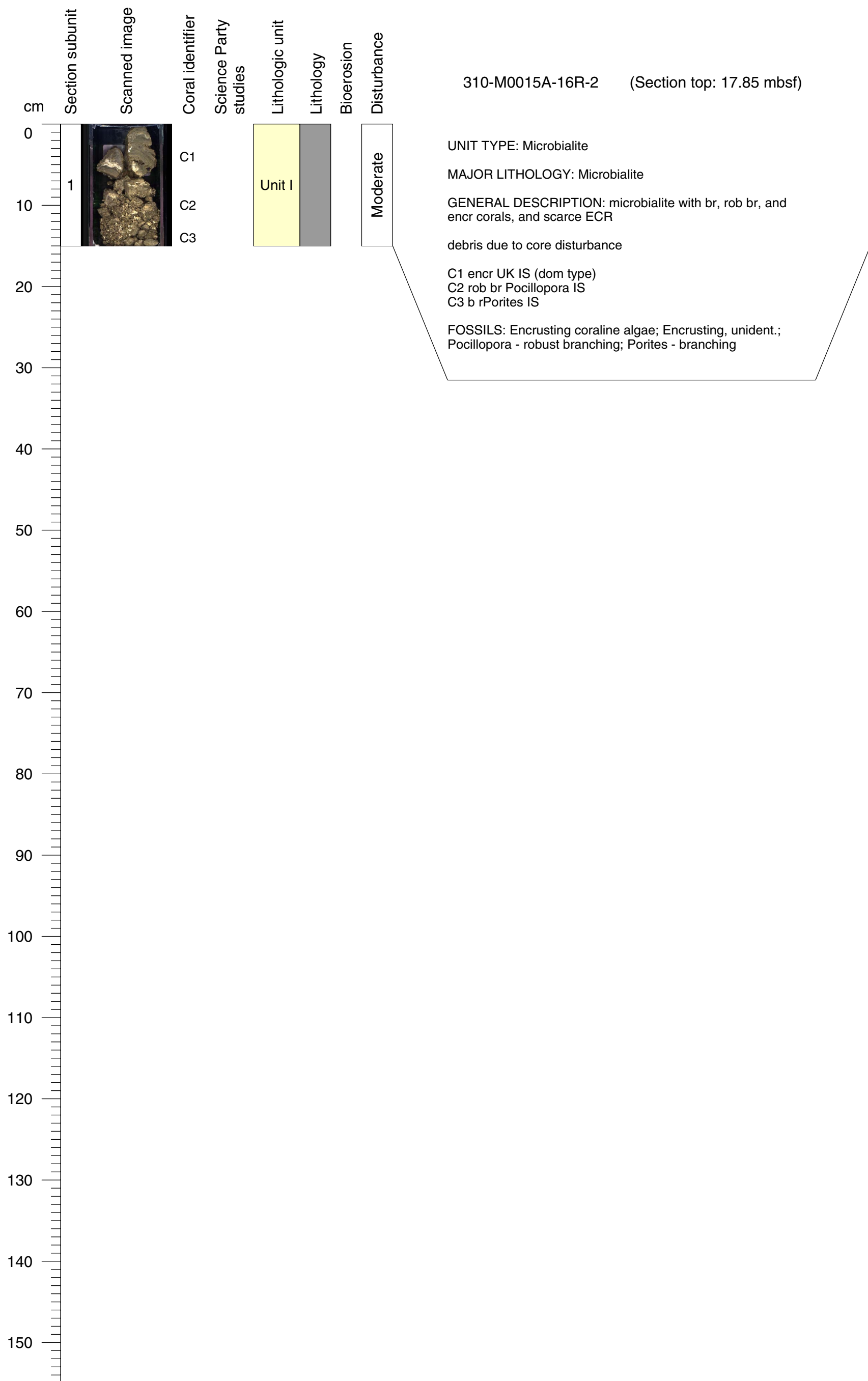


Core Photo

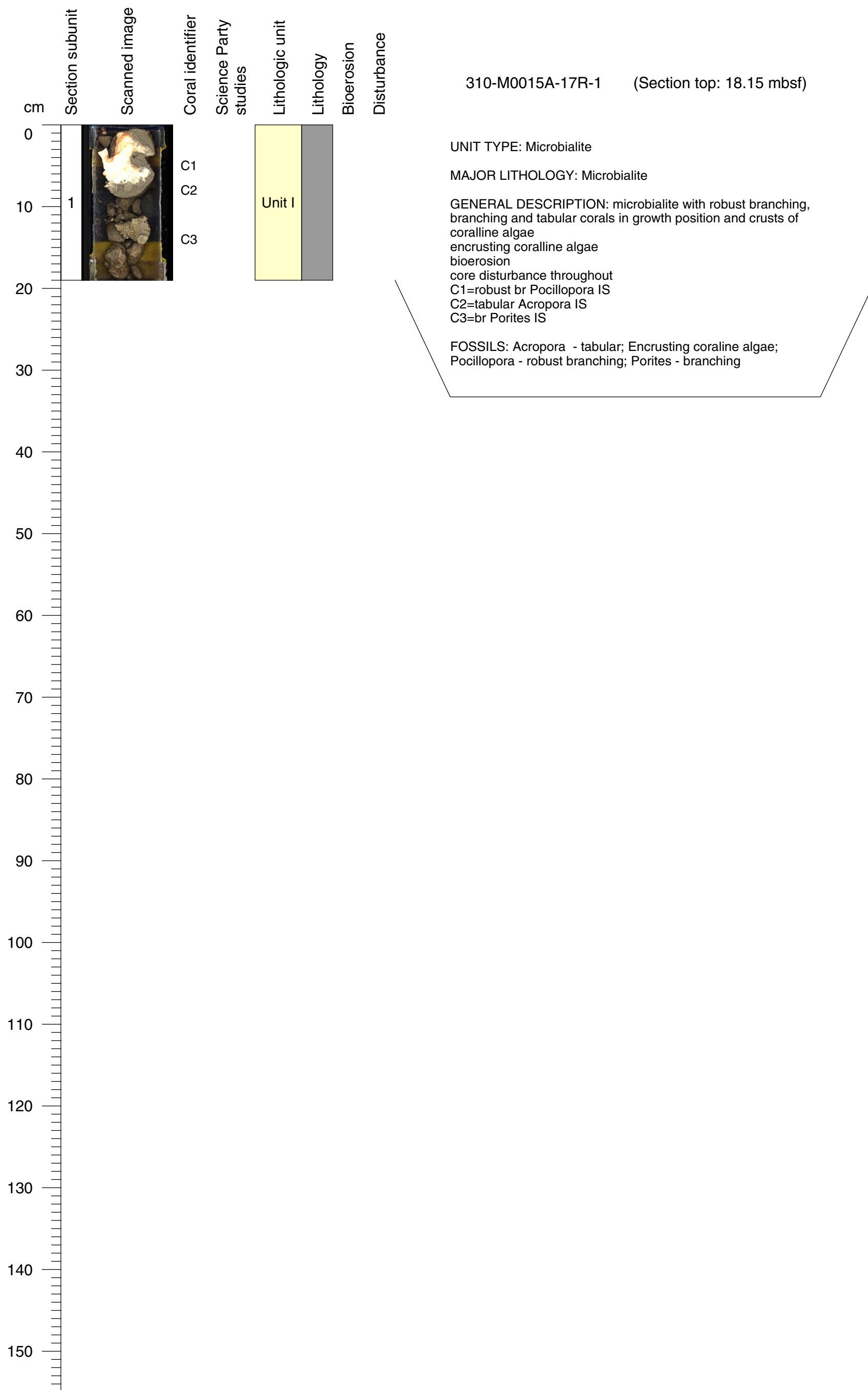
310-M0015A-16R-1 (Section top: 17.54 mbsf)



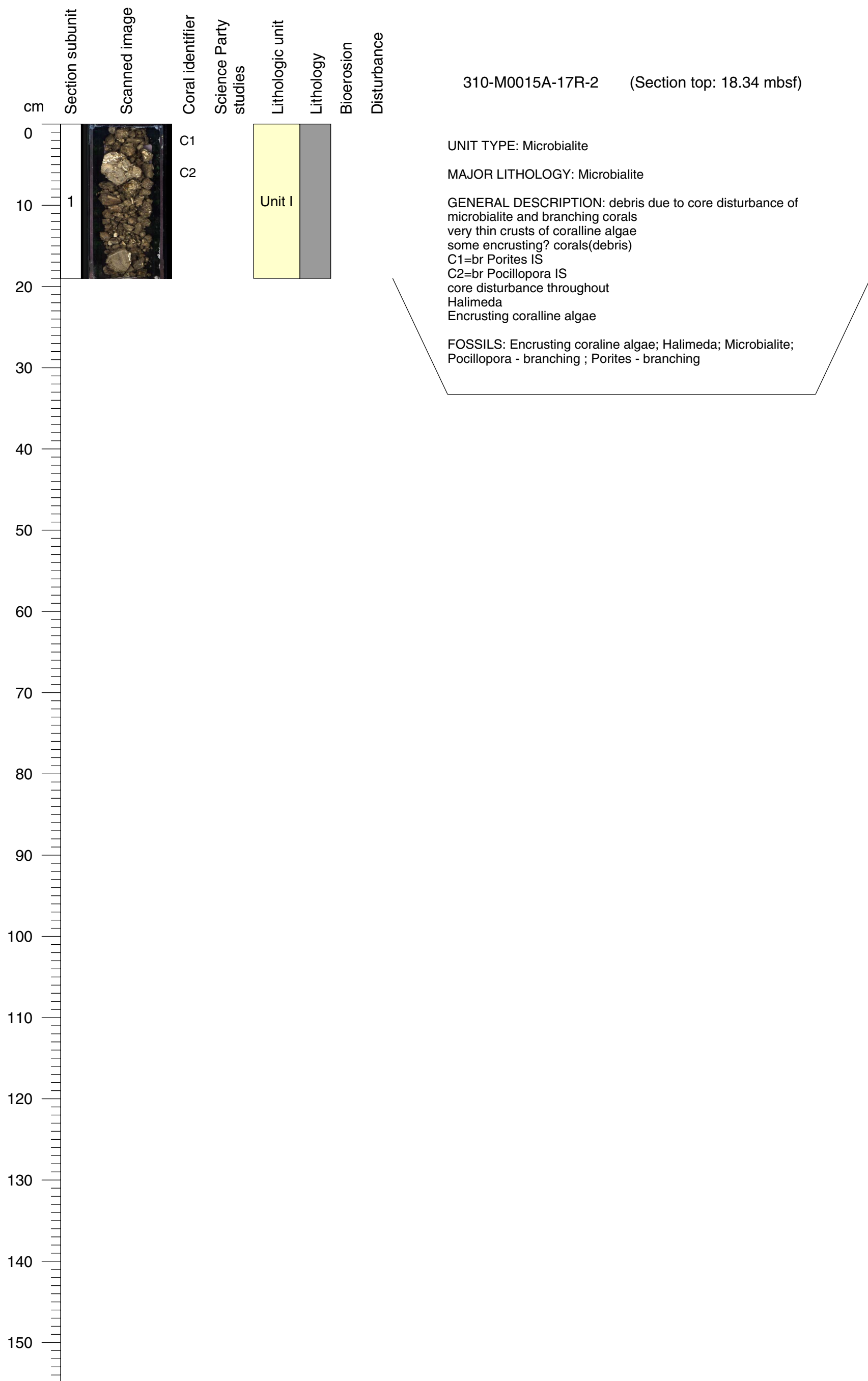
**Core Photo**



**Core Photo**

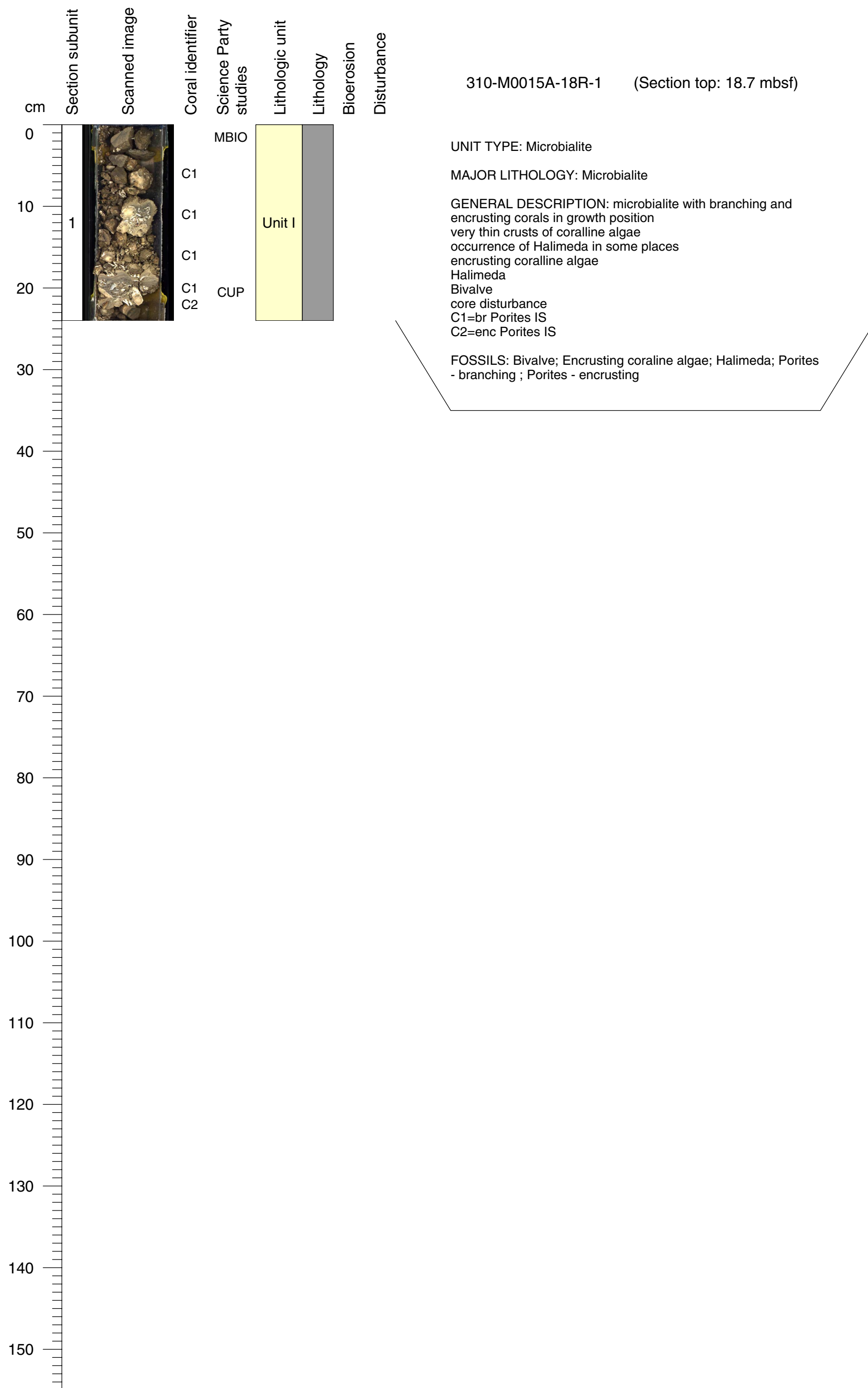


Core Photo

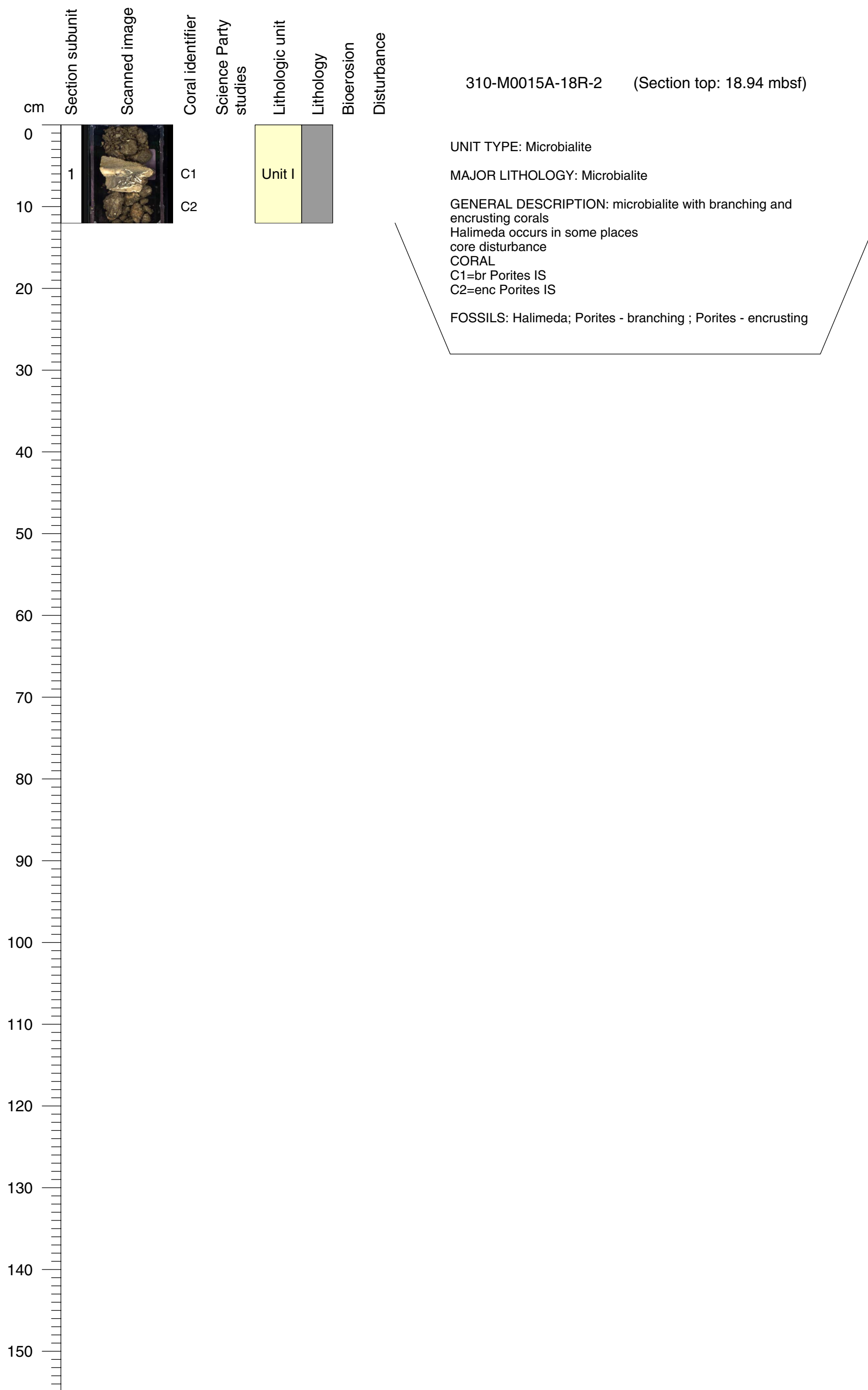




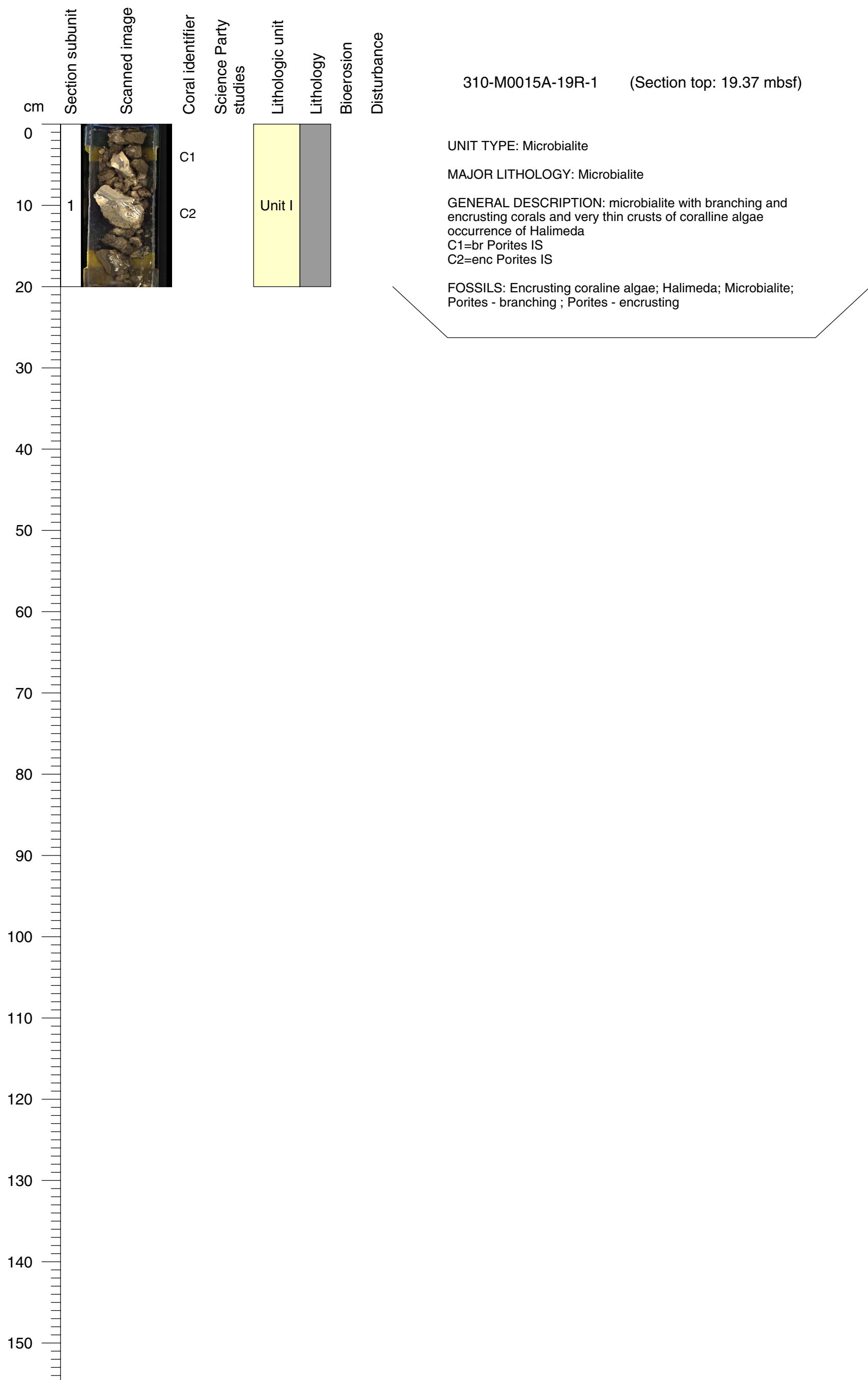
Core Photo



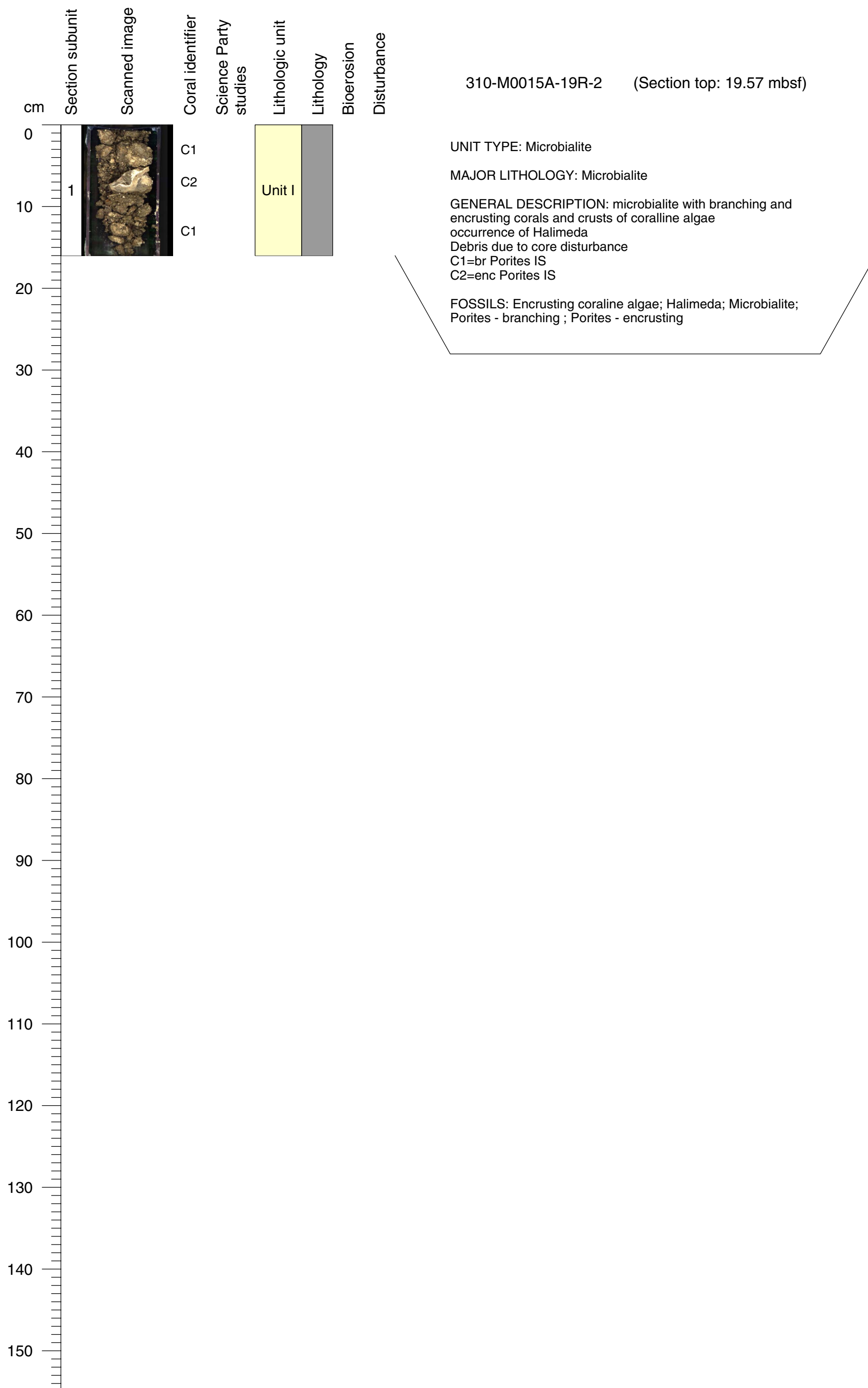
**Core Photo**



**Core Photo**

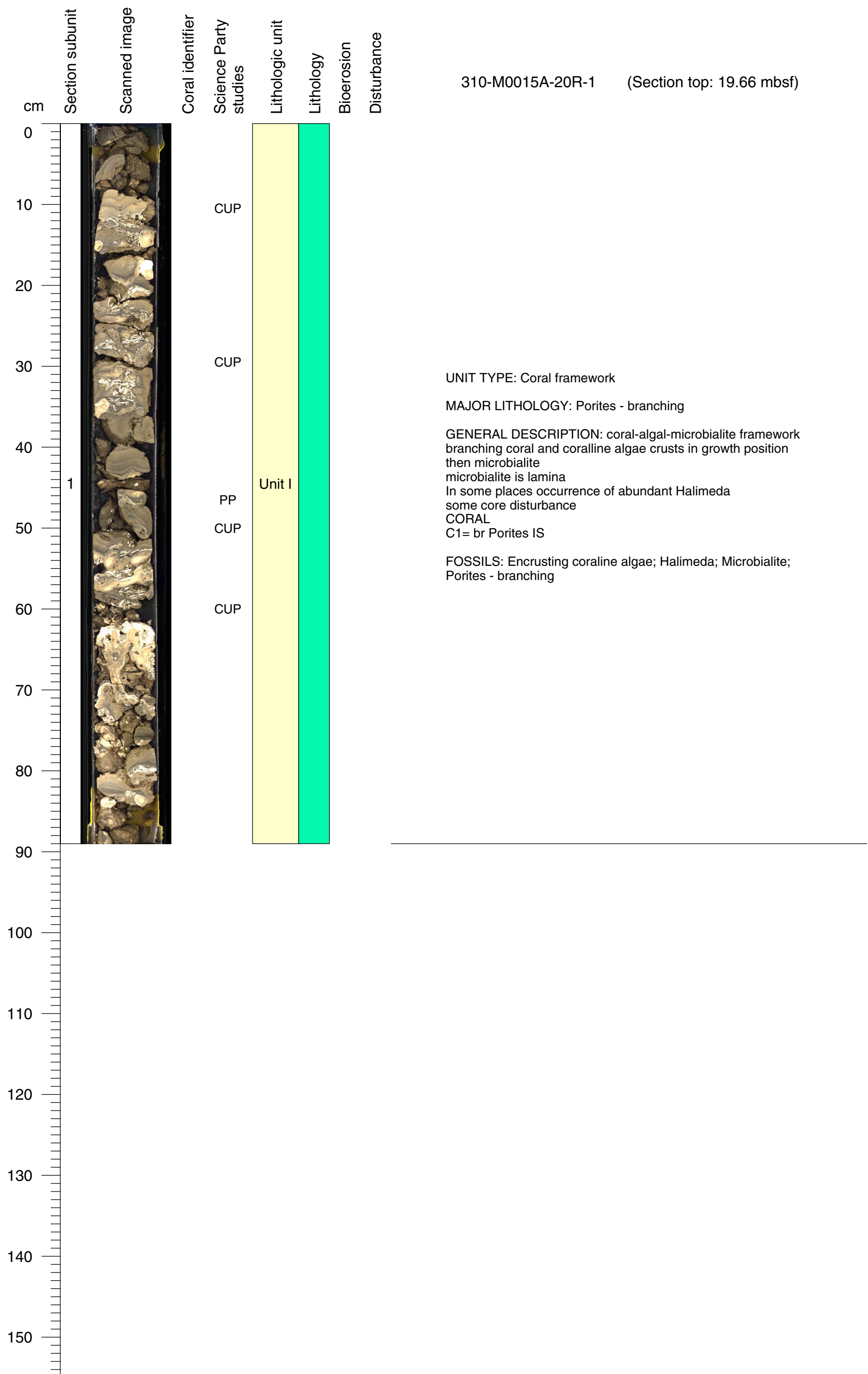


**Core Photo**

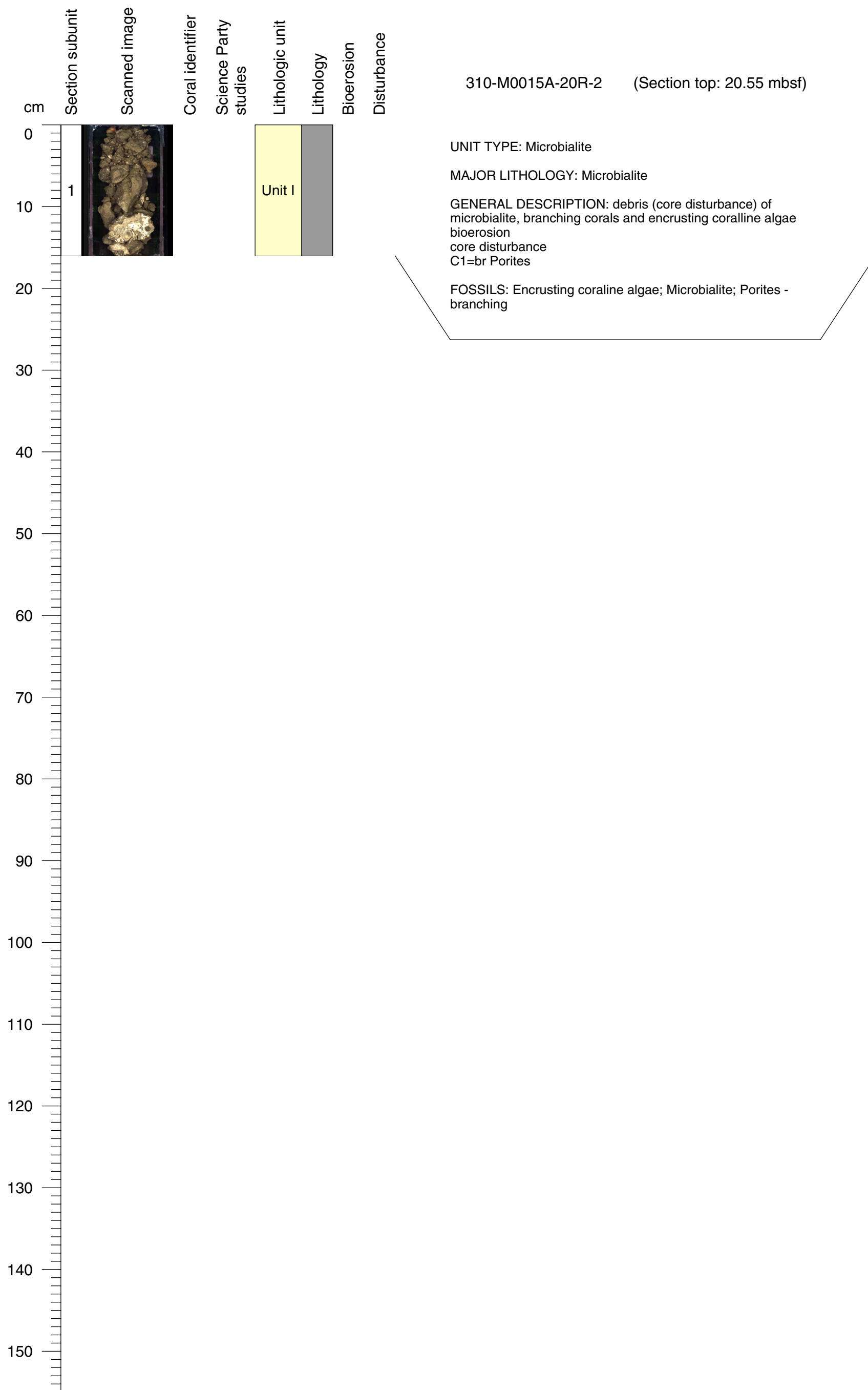


Core Photo

310-M0015A-20R-1 (Section top: 19.66 mbsf)

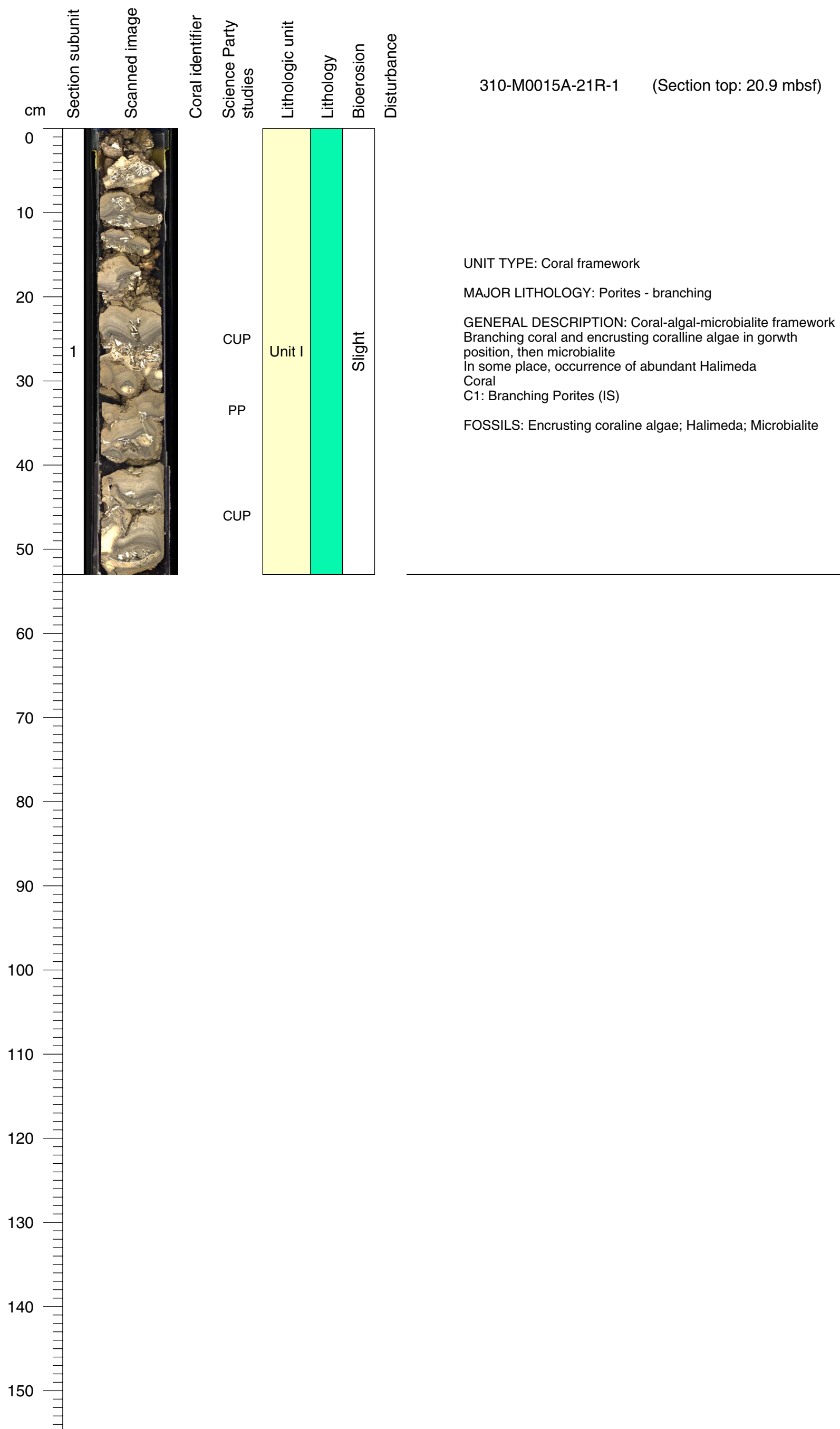


**Core Photo**

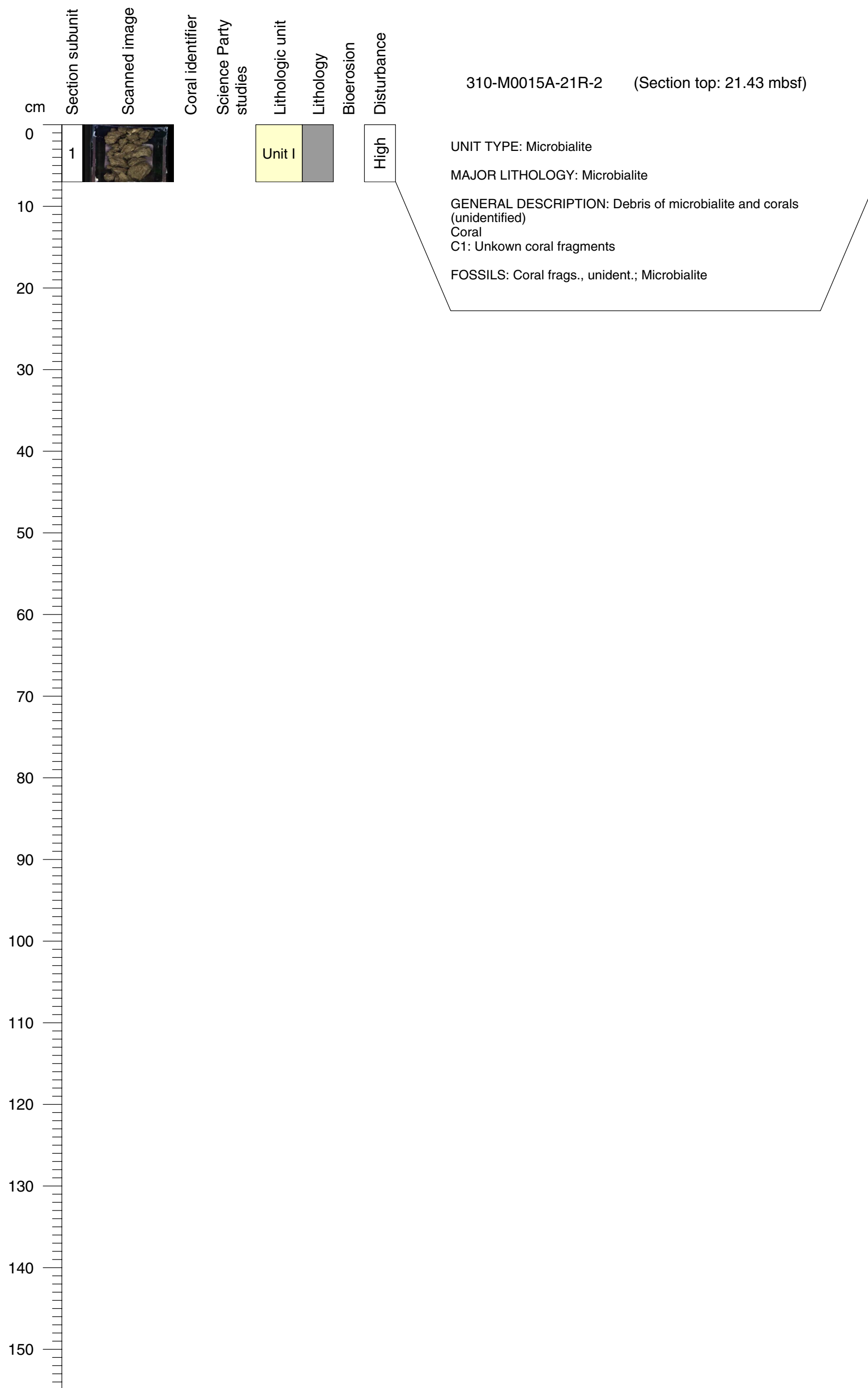


Core Photo

310-M0015A-21R-1 (Section top: 20.9 mbsf)



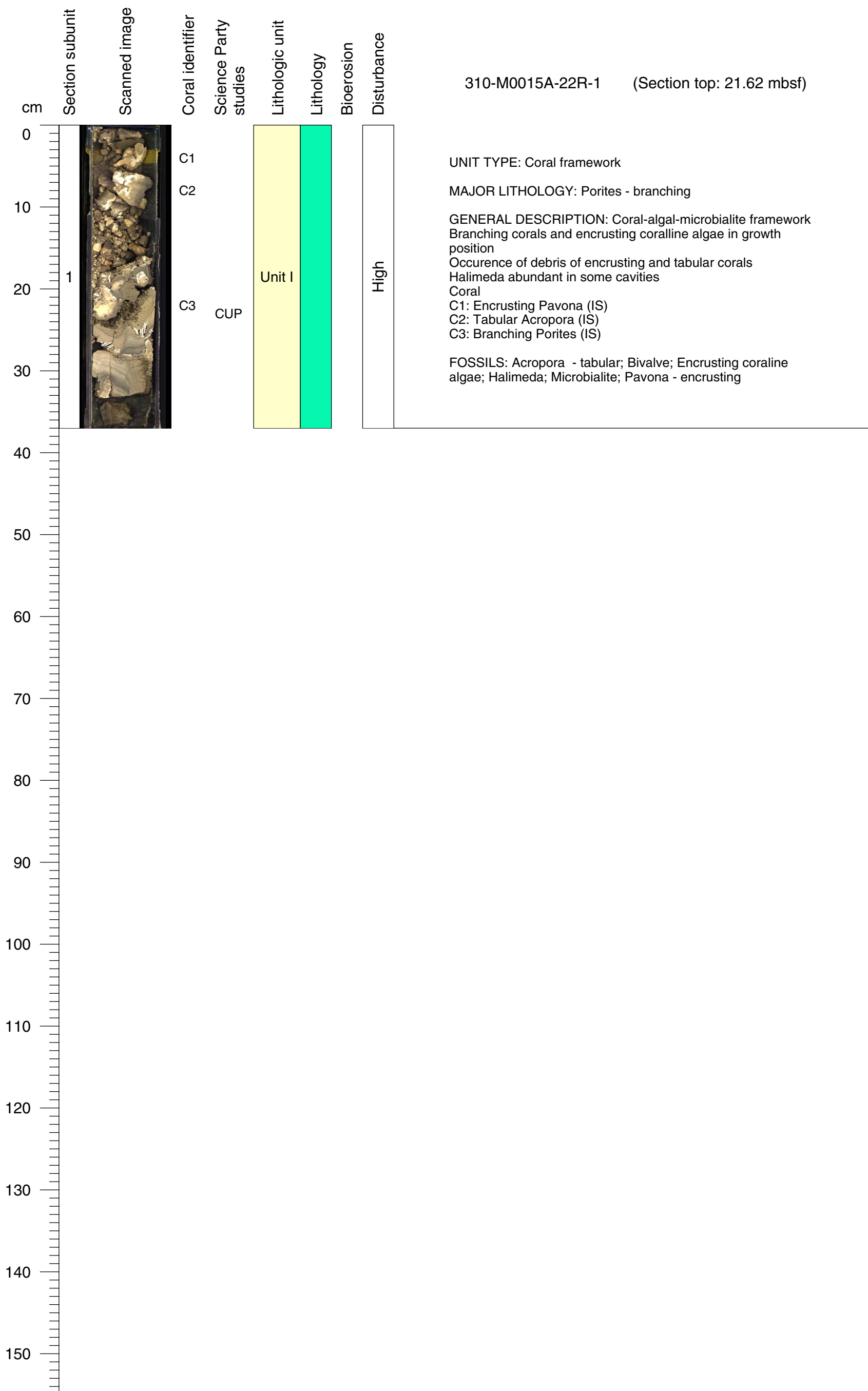
**Core Photo**



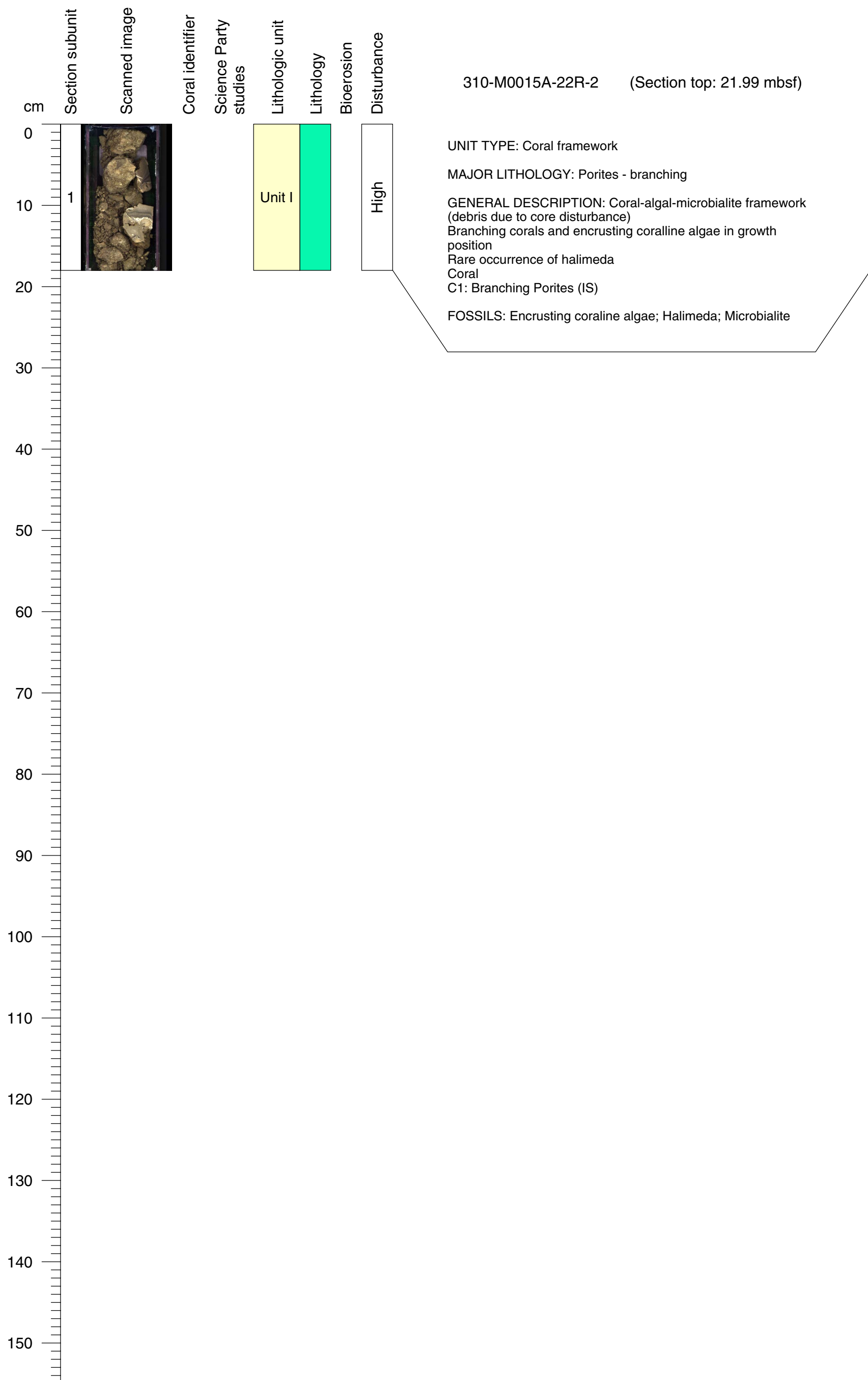


Core Photo

310-M0015A-22R-1 (Section top: 21.62 mbsf)



**Core Photo**



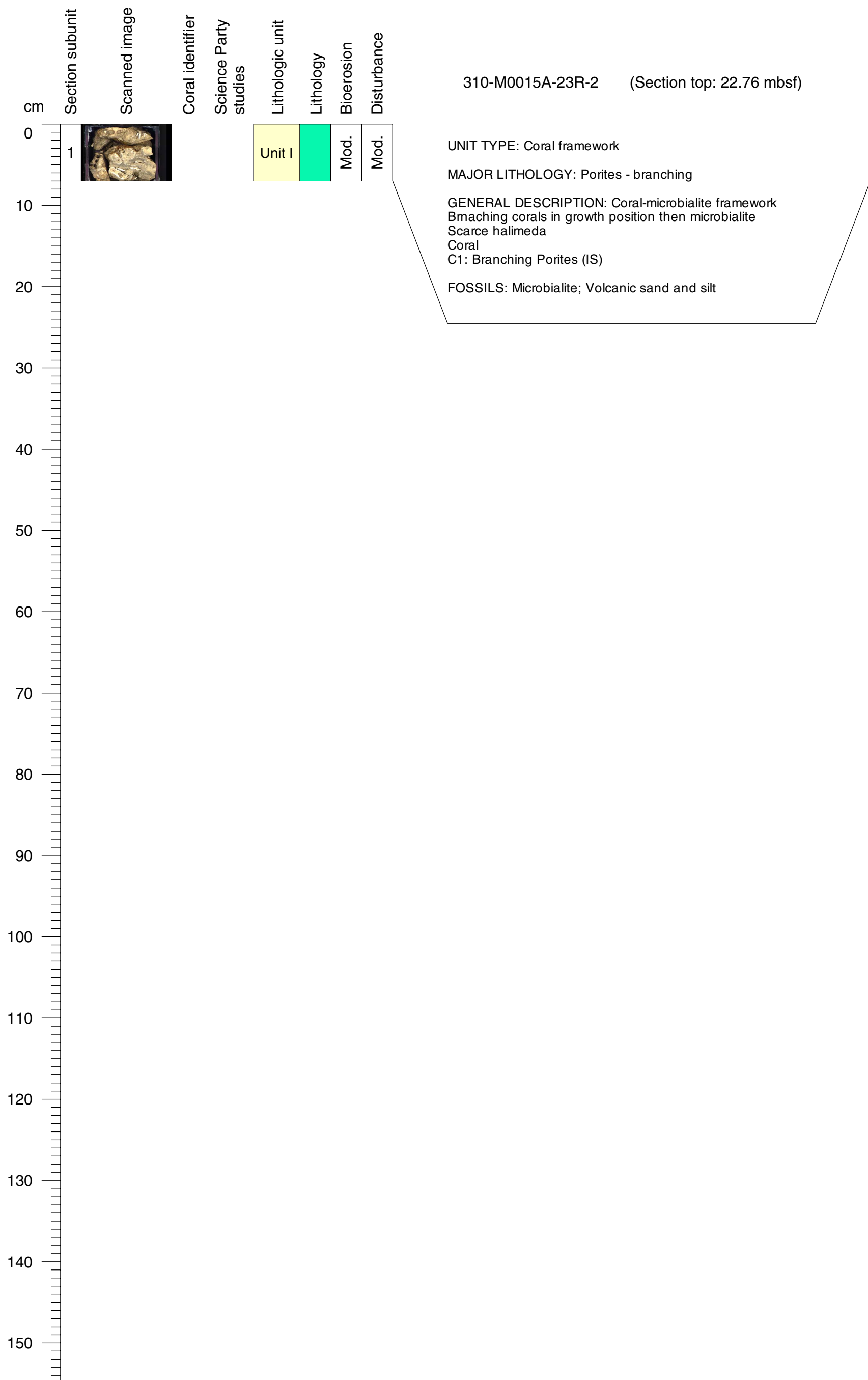
Core Photo

310-M0015A-23R-1 (Section top: 22.03 mbsf)

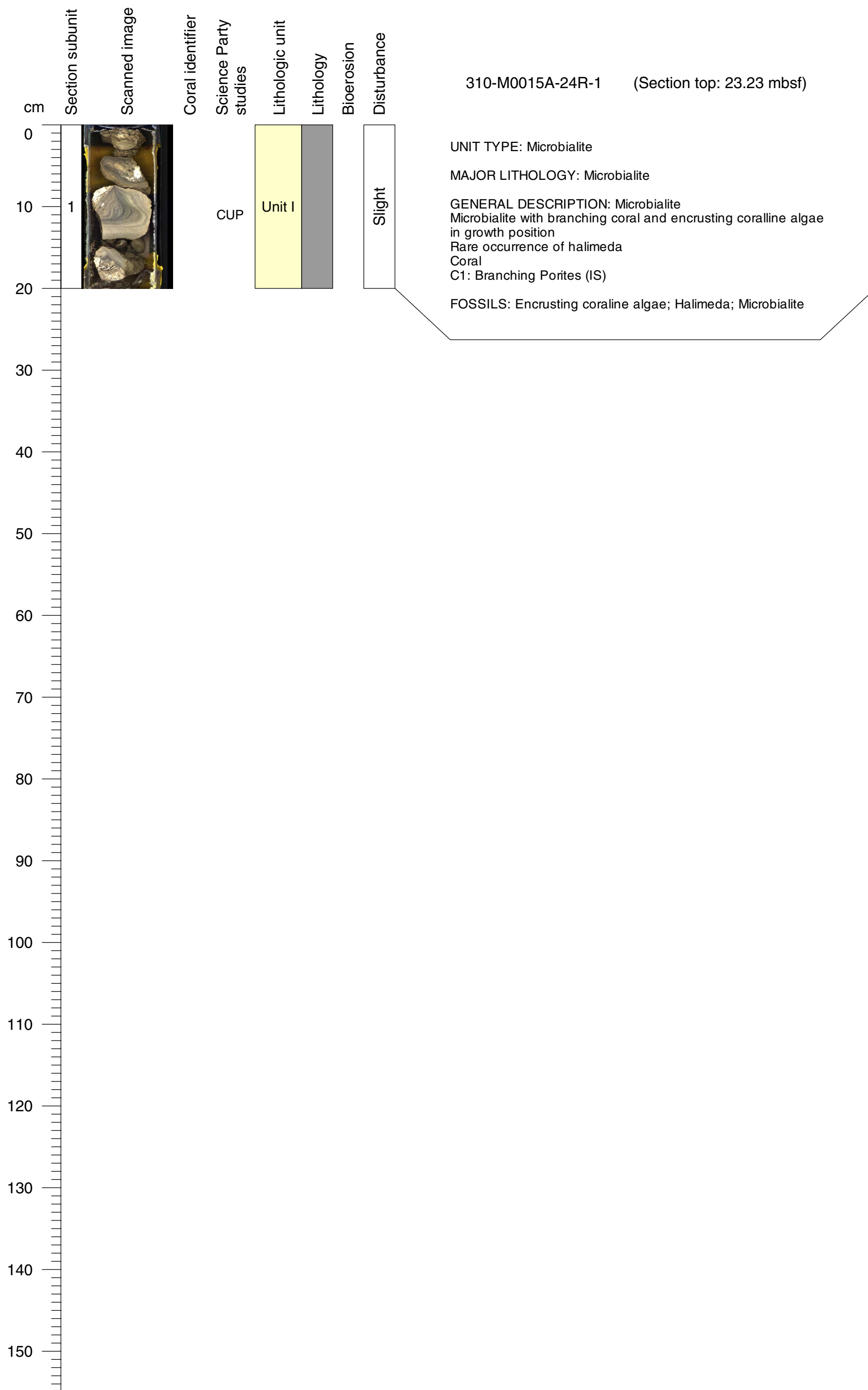
cm	Section subunit	Scanned image	Coral identifier	Science Party studies	Lithologic unit	Lithology	Bioerosion	Disturbance		
0			C1		Unit I	Coral	Slight	Slight	UNIT TYPE: Coral framework MAJOR LITHOLOGY: Porites - encrusting GENERAL DESCRIPTION: Coral-algal-microbialite framework Encrusting coral and coralline algae in growth position then microbialite Occurrences of abundant Halimeda and rare branching corals Coral C1: Encrusting Porites (IS) C2: Encrusting agariciid (IS) C3: Branching Porites (IS) C4: Encrusting Montipora (IS) FOSSILS: Agariciidae - encrusting; Bivalve; Encrusting coralline algae; Halimeda; Microbialite; Montipora - encrusting	
10			C2							
10			C3							
10			C4	CUP						
20	1			C3						
20				C4						
30				C1						CUP
30				C4						
40				C1						
40				C4						
50				CUP						PP
50				PP						
60	2			C3						
70										
80										
90										
100										
110										
120										
130										
140										
150										



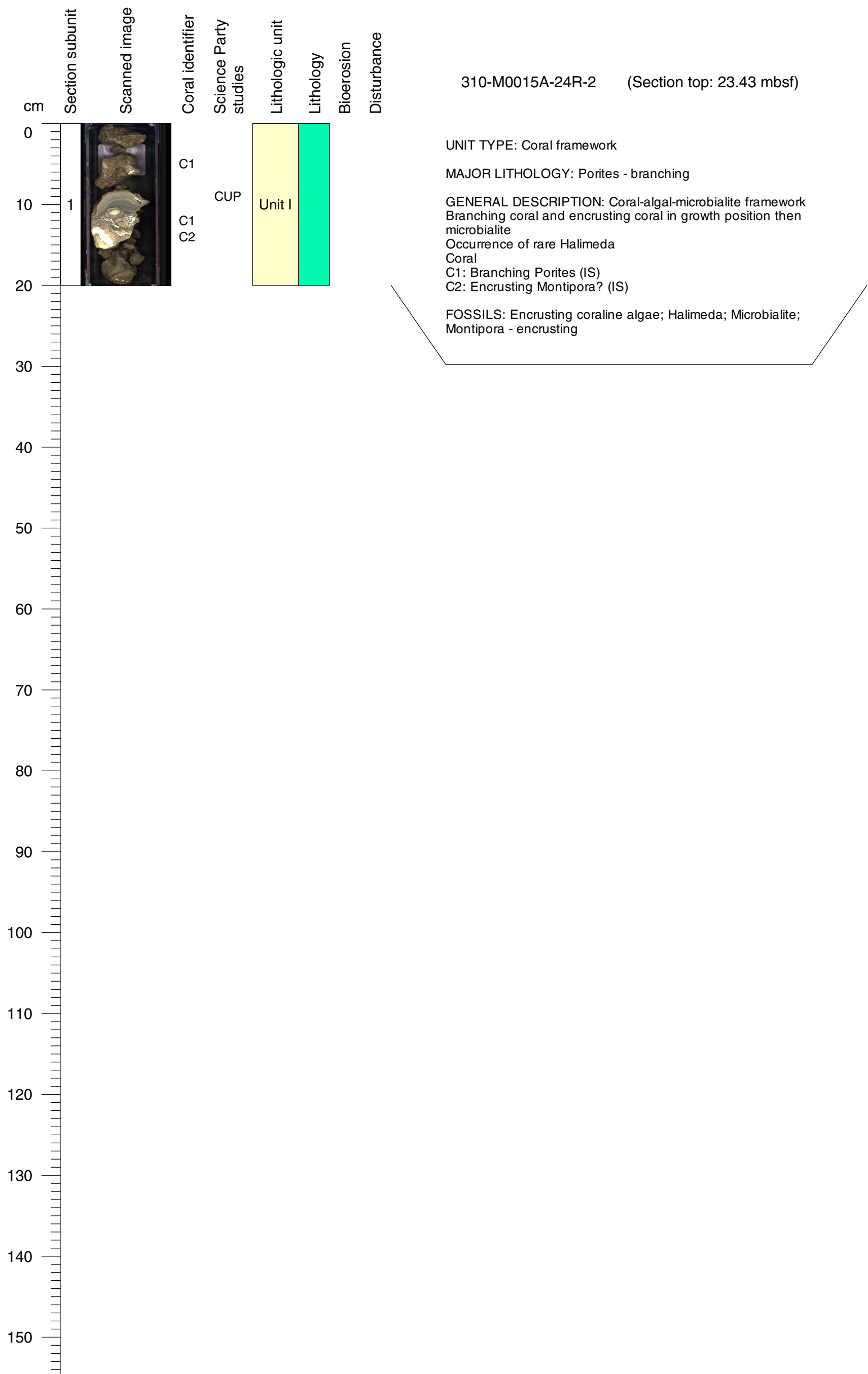
**Core Photo**



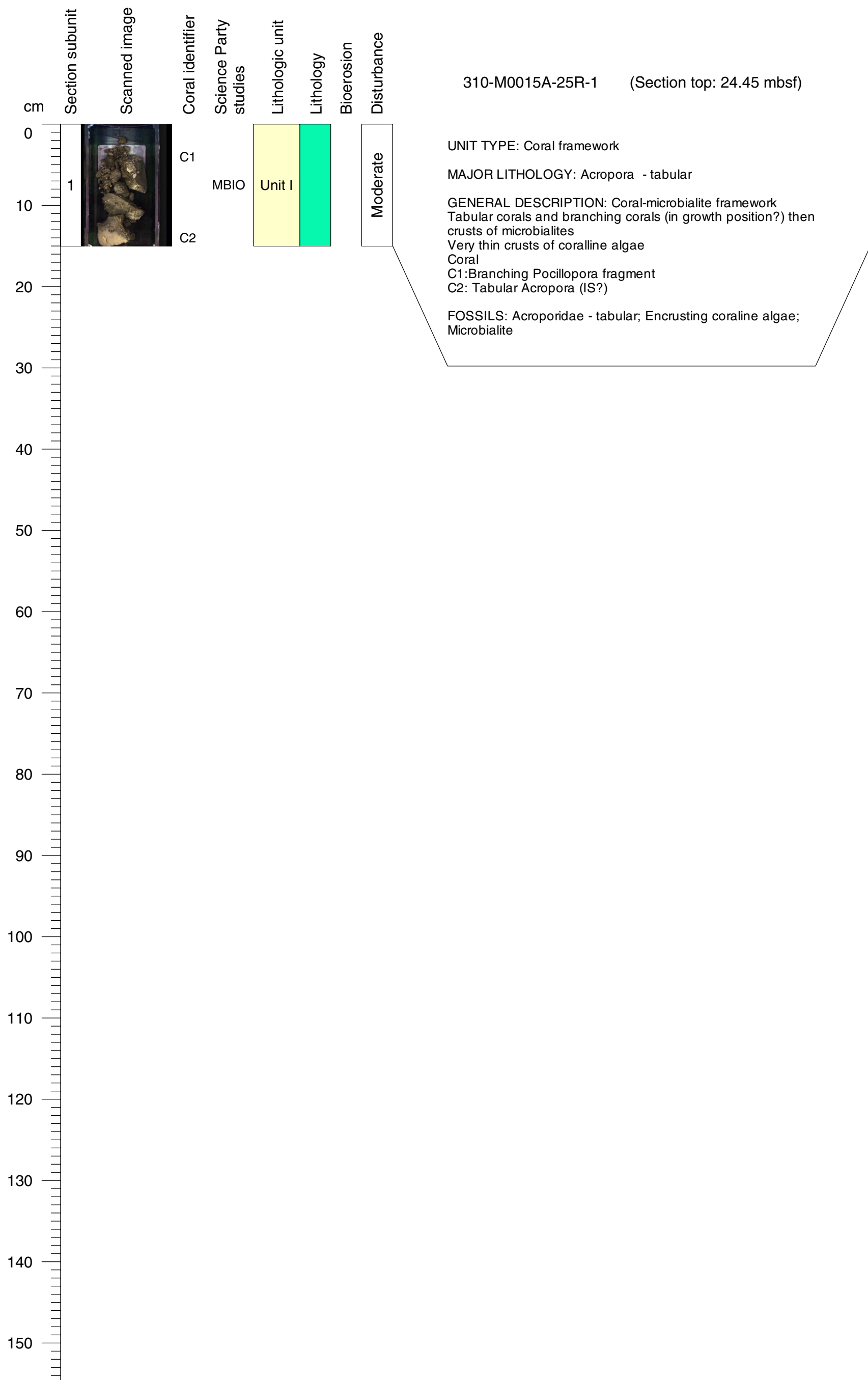
**Core Photo**



**Core Photo**

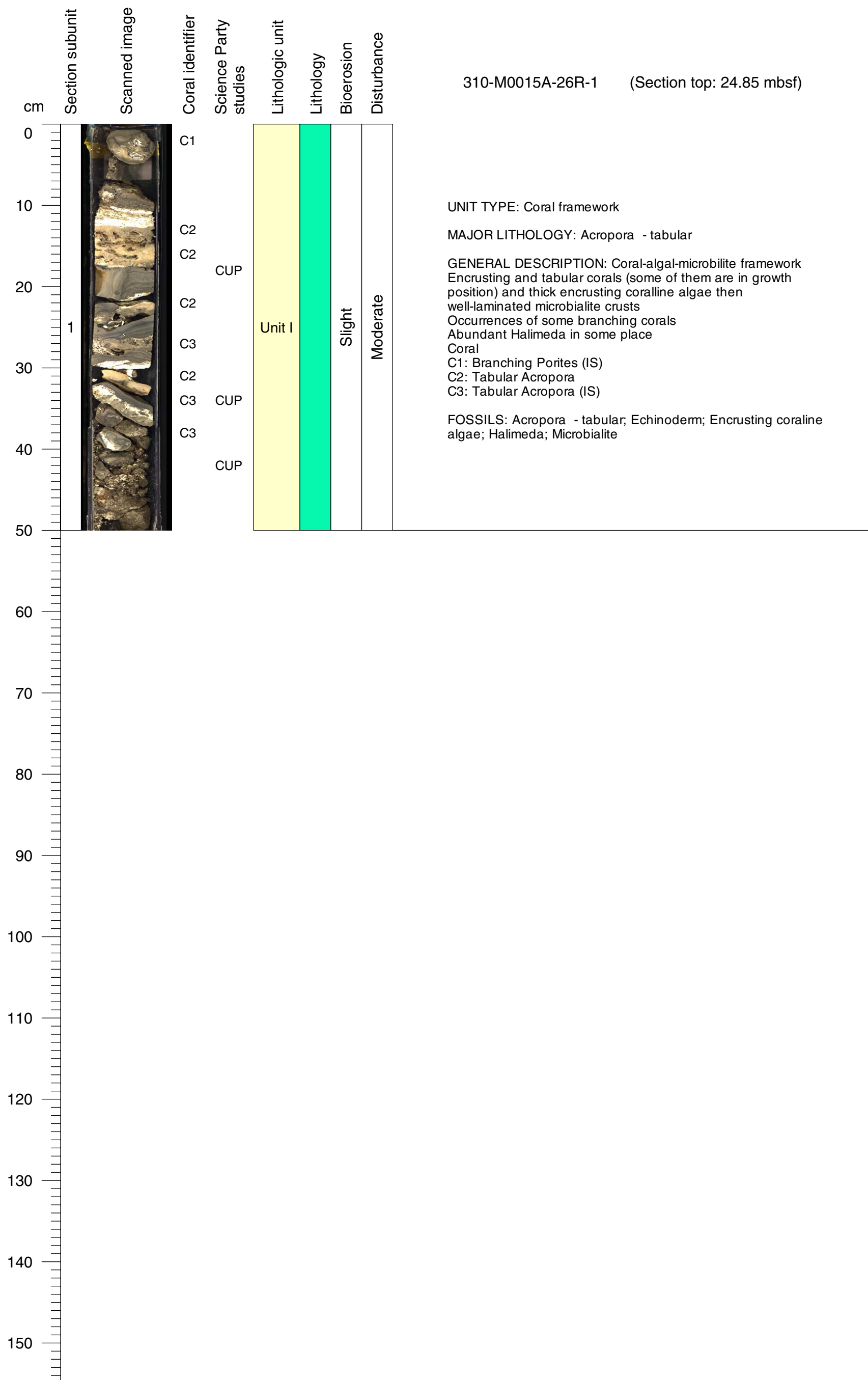


**Core Photo**



**Core Photo**

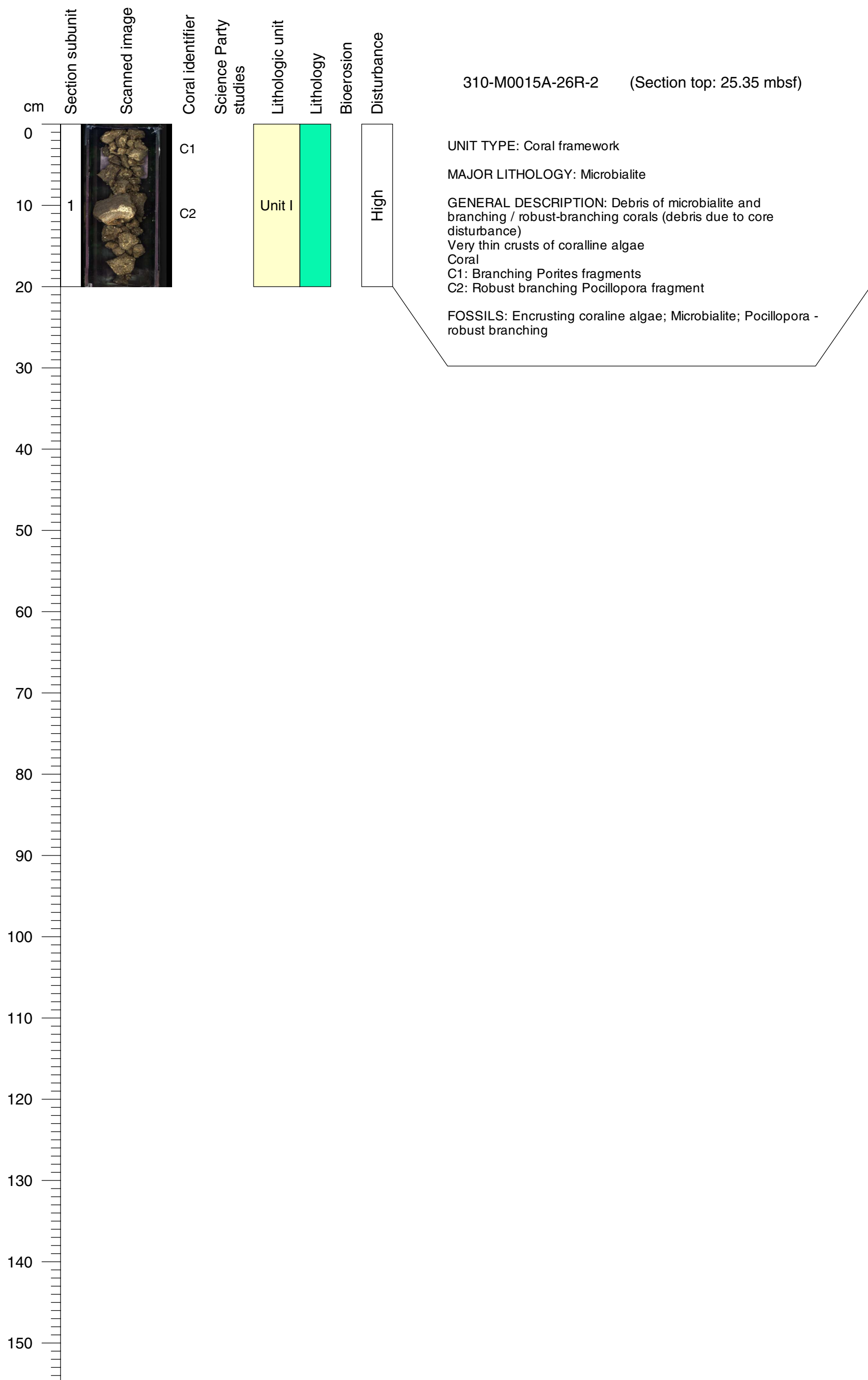
310-M0015A-26R-1 (Section top: 24.85 mbsf)



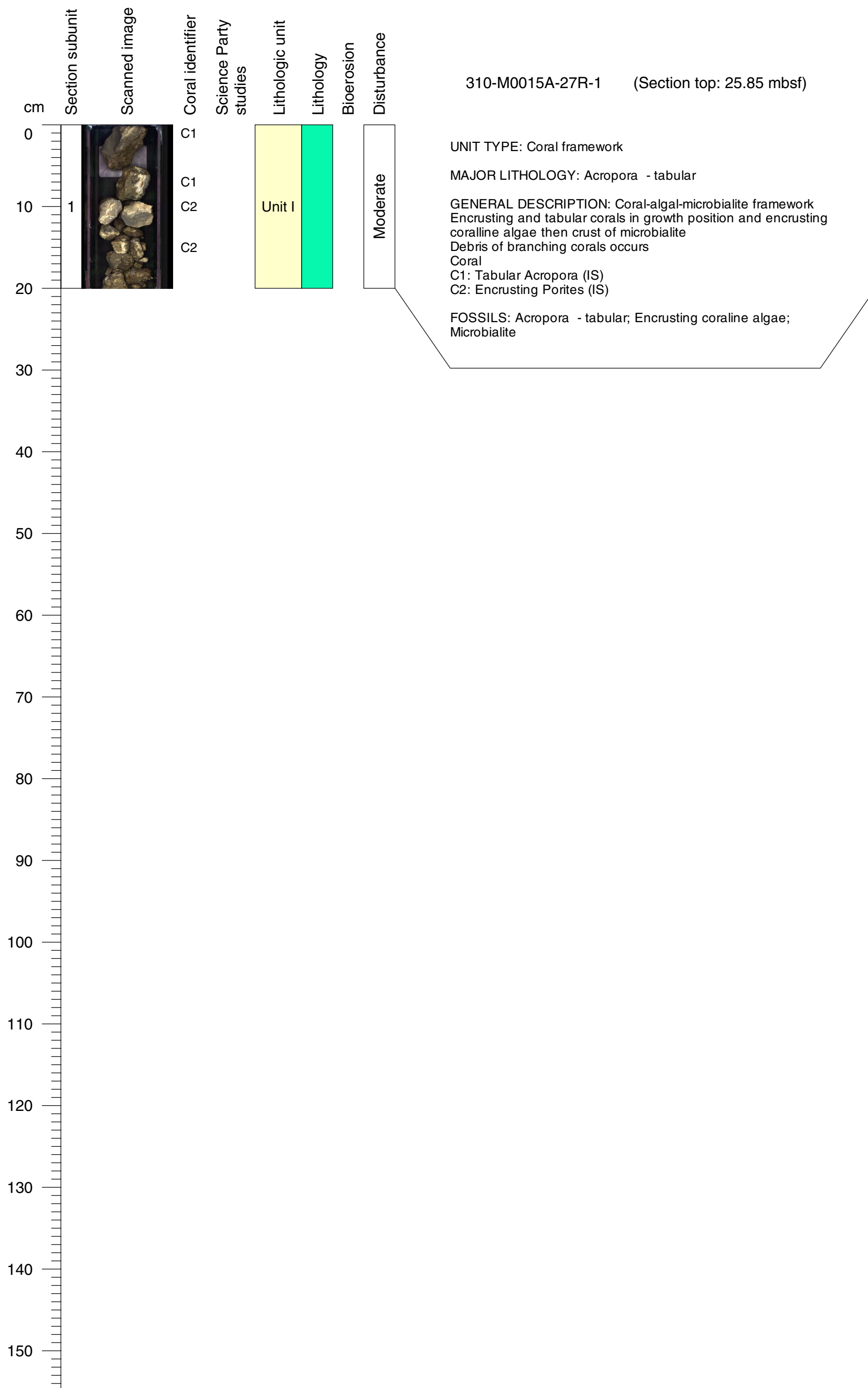


**Core Photo**

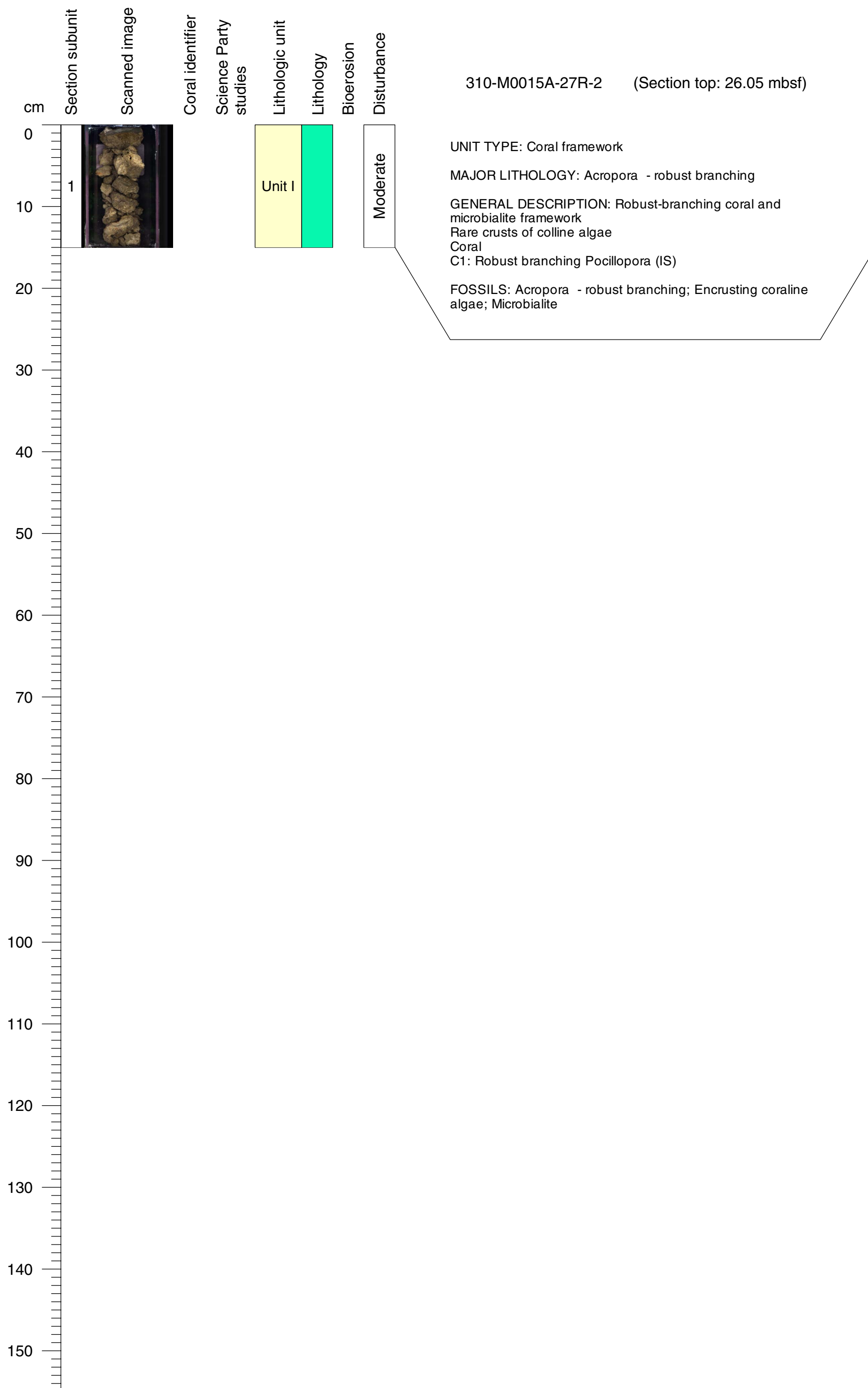
310-M0015A-26R-2 (Section top: 25.35 mbsf)



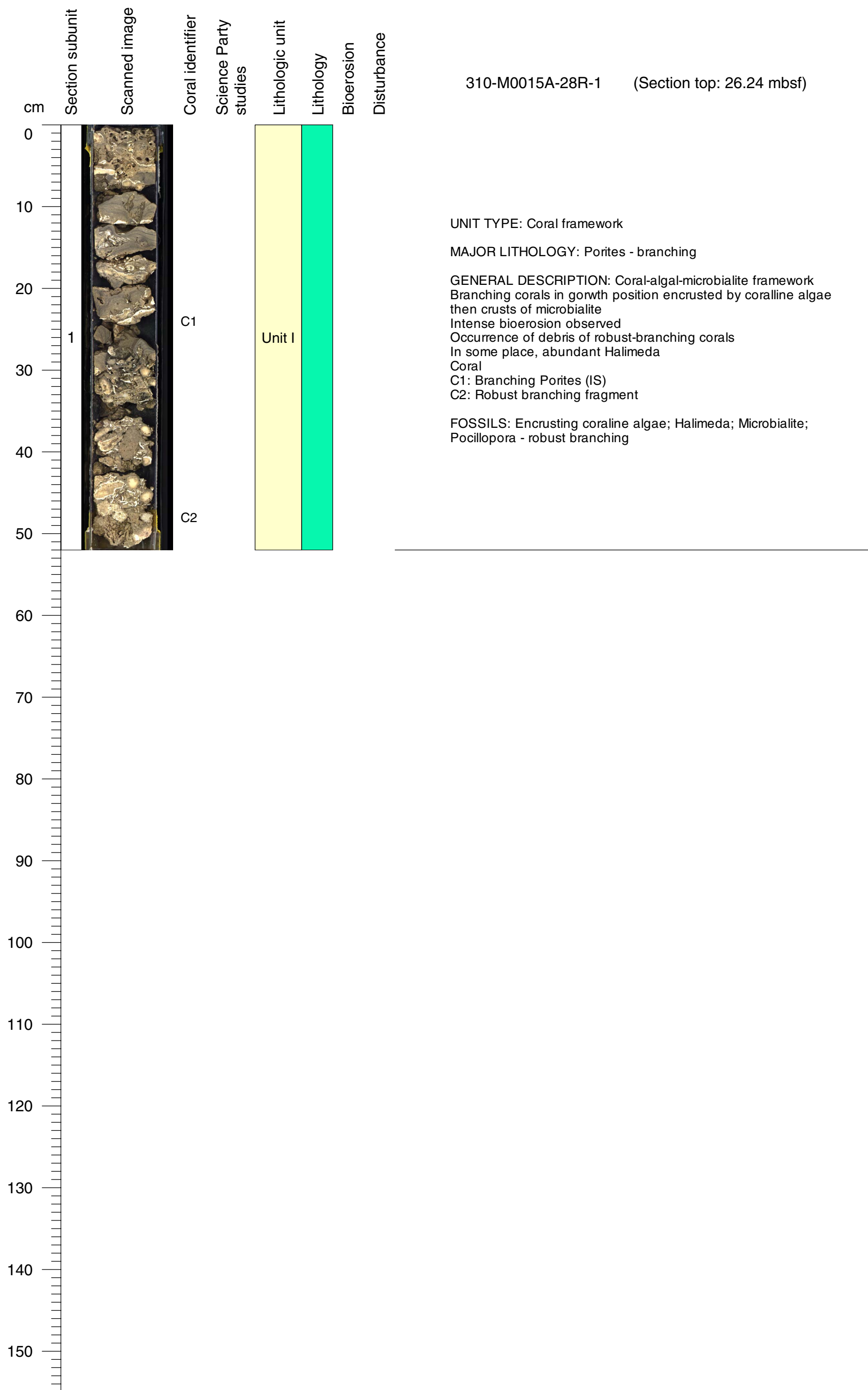
**Core Photo**



**Core Photo**

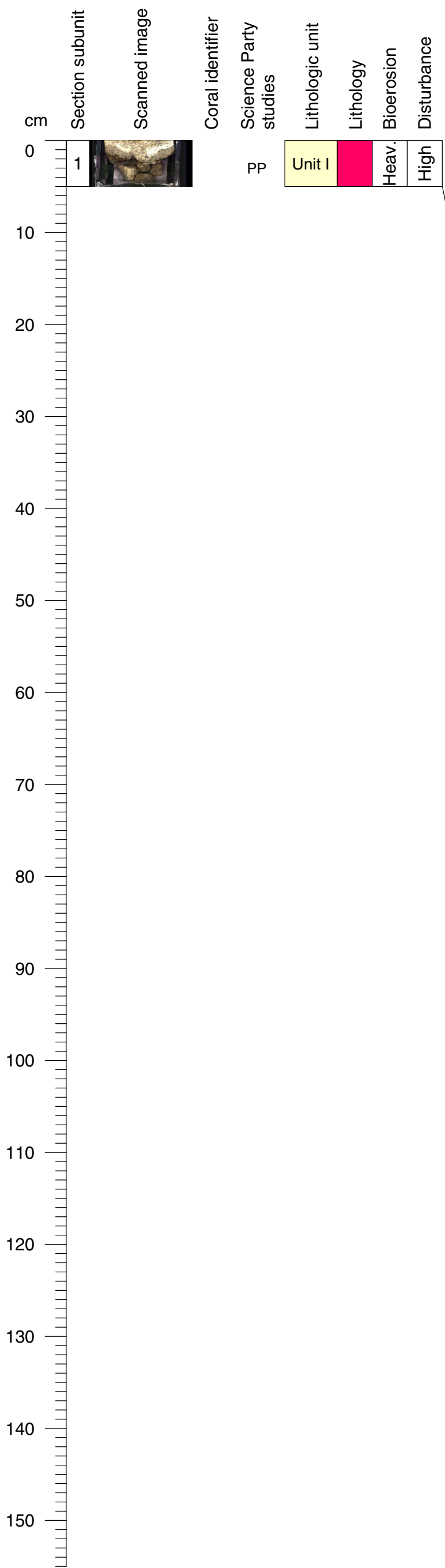


**Core Photo**



Core Photo

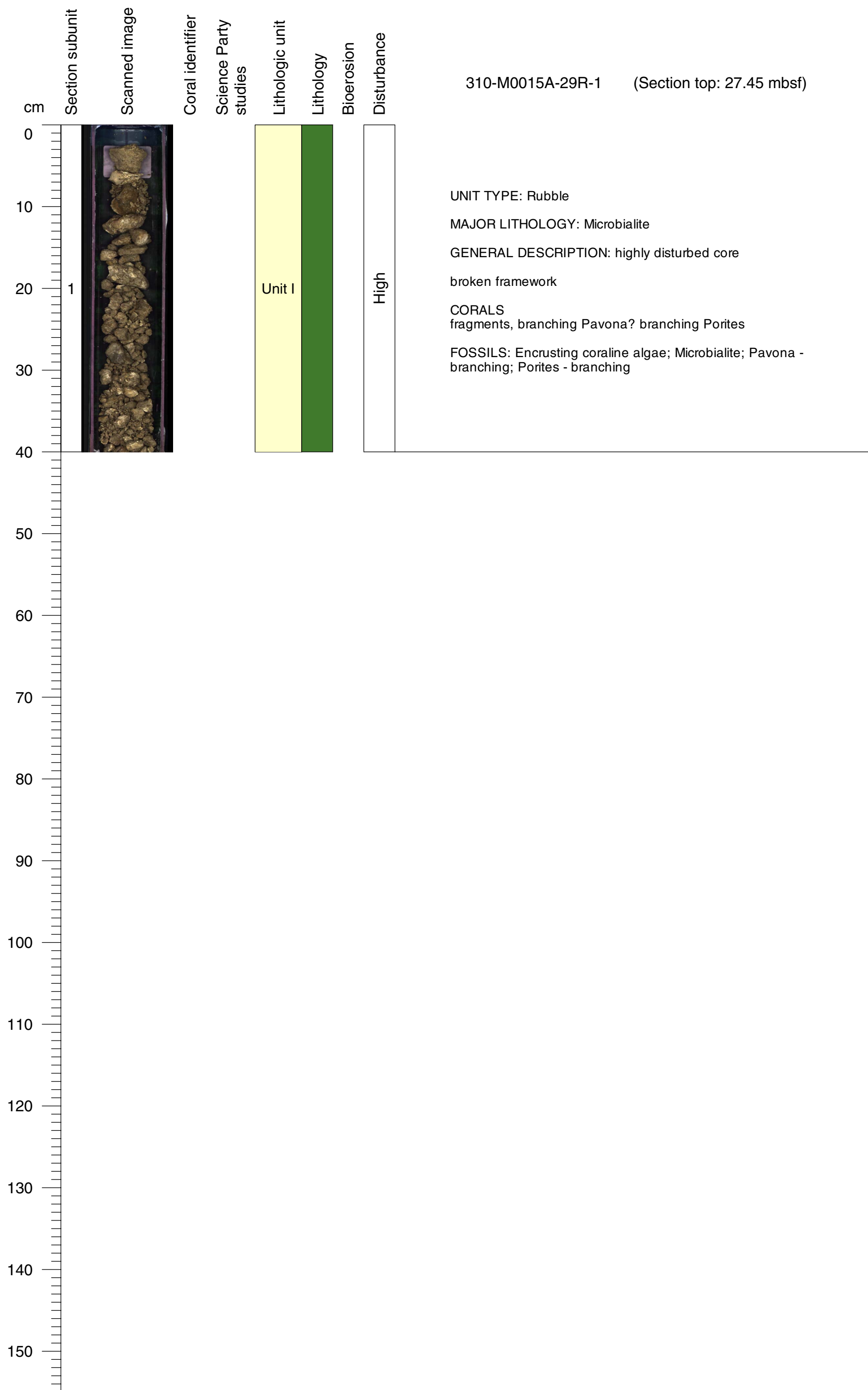
310-M0015A-28R-2 (Section top: 26.76 mbsf)



UNIT TYPE: Bindstone  
 MAJOR LITHOLOGY: Porites - branching  
 GENERAL DESCRIPTION: bindstone  
 NOTE: UPSIDE DOWN  
 ECR 1 cm total thickness  
 hardground at top  
 Halimeda at top  
 CORALS  
 C1 branching porites, branching pocillopora fragment  
 FOSSILS: Encrusting coralline algae; Halimeda; Microbialite; Pocillopora - branching ; Porites - branching

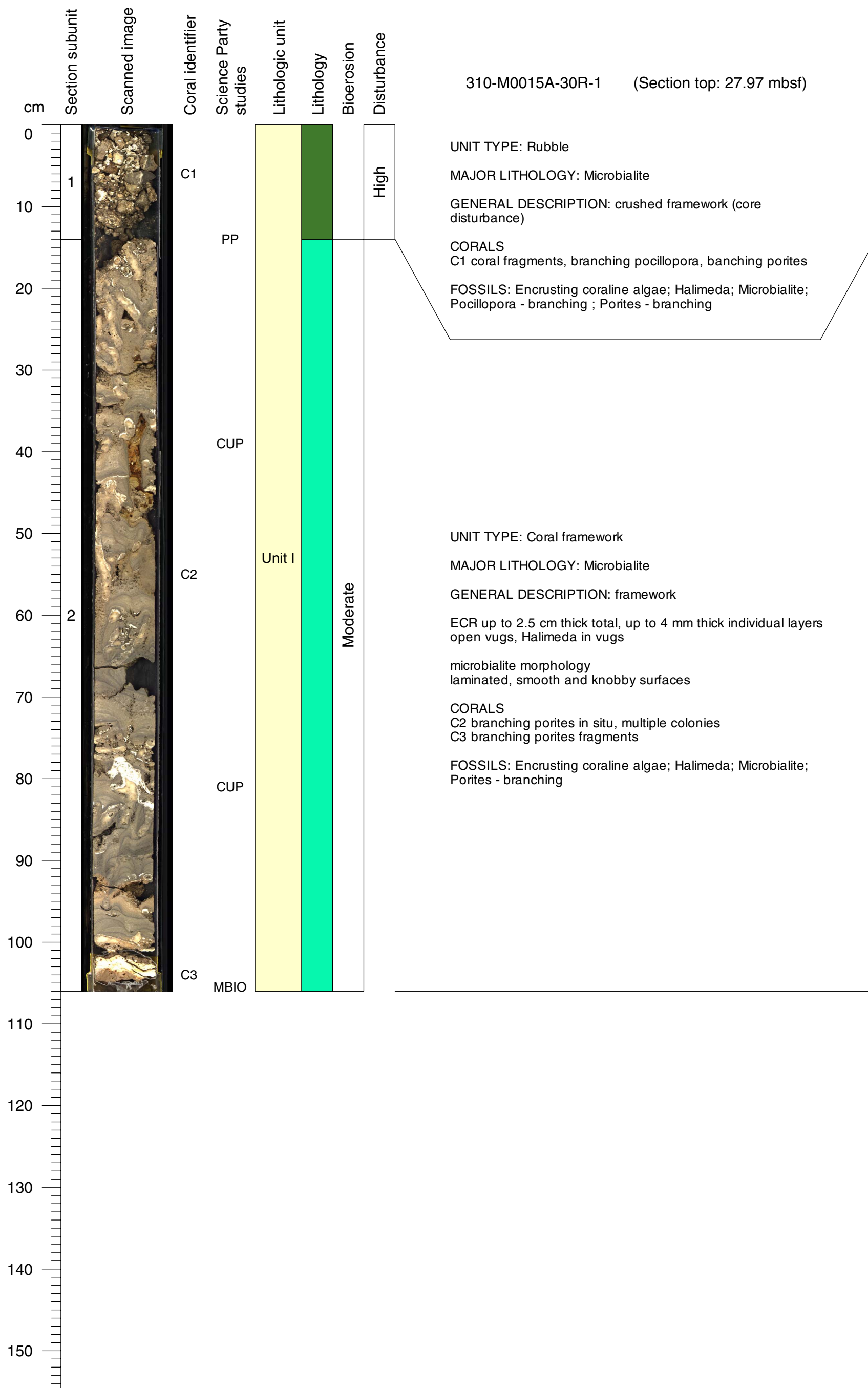


**Core Photo**



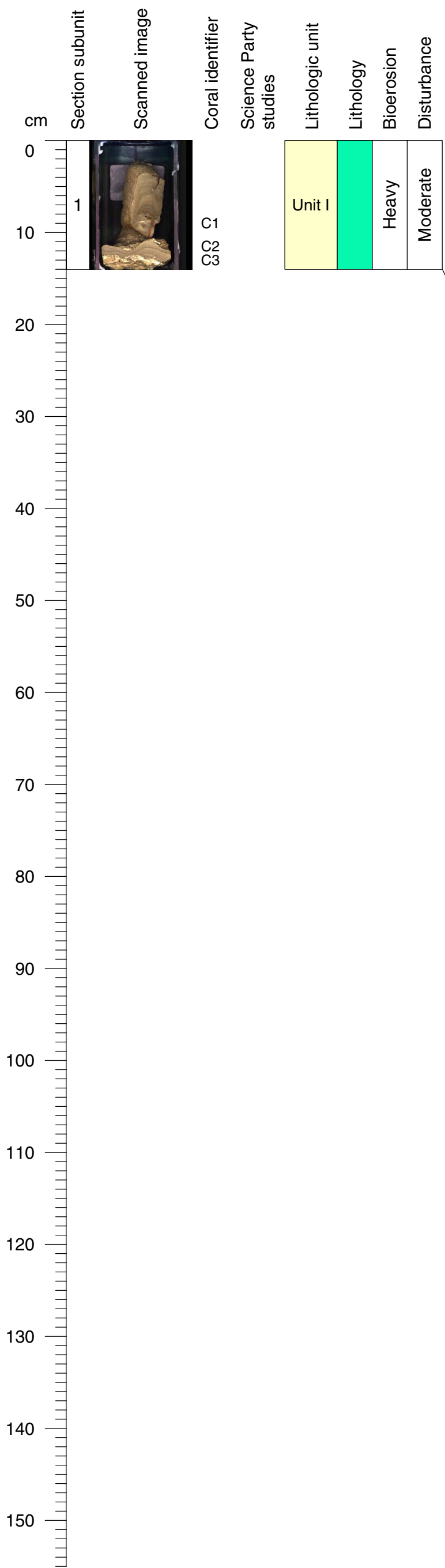
Core Photo

310-M0015A-30R-1 (Section top: 27.97 mbsf)



**Core Photo**

310-M0015A-30R-2 (Section top: 29.03 mbsf)



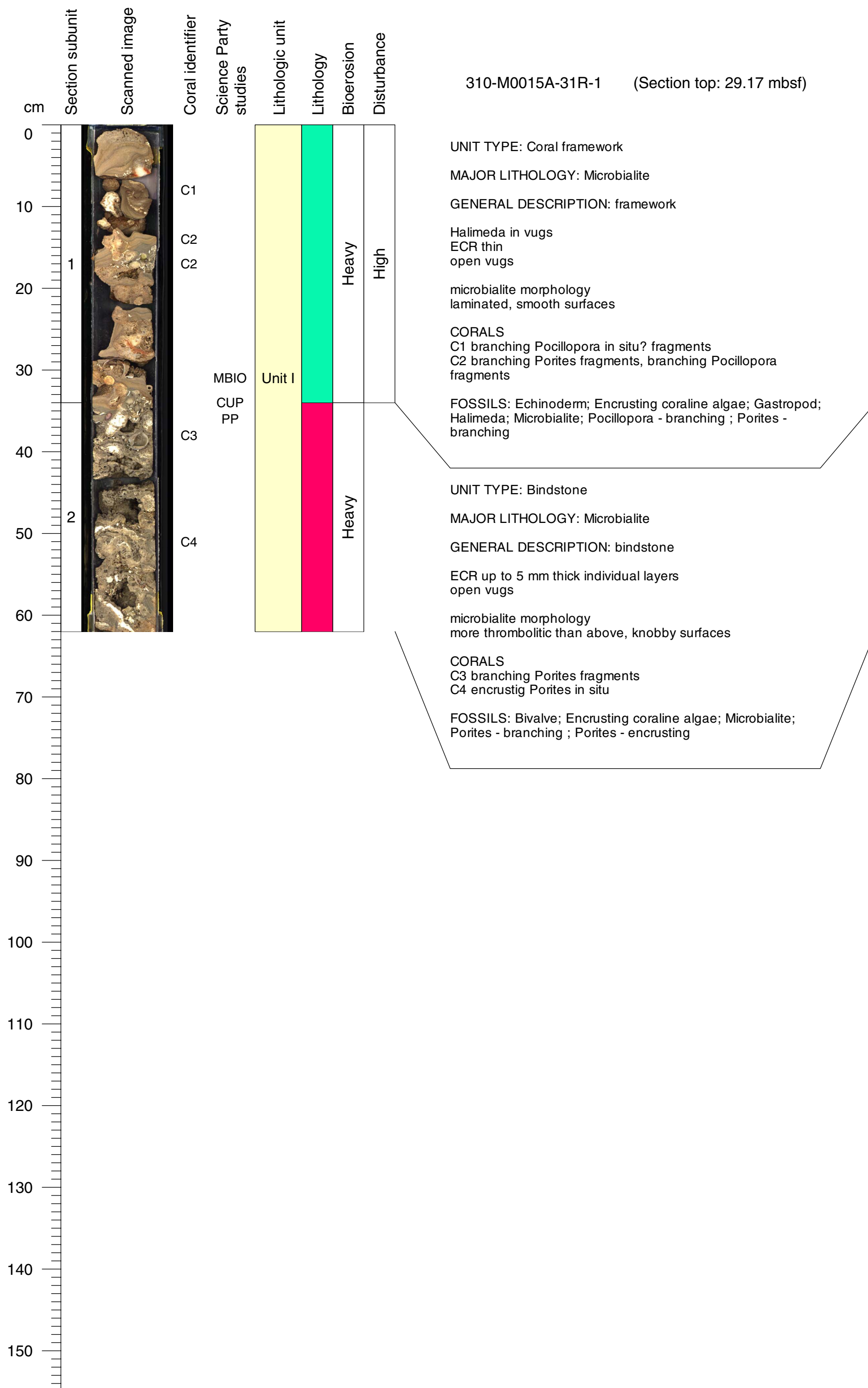
UNIT TYPE: Coral framework  
 MAJOR LITHOLOGY: Microbialite  
 GENERAL DESCRIPTION: Framework : major component=microbialite ; corals bored, encrusting coralline algae, geopetals, bioerosion heavy.  
 C1, branching Pocillopora (fragments)  
 C2, branching Porites (fragments)  
 C3, encrusting Montipora (IS)  
 FOSSILS: Encrusting coralline algae; Microbialite; Montipora - encrusting; Pocillopora - branching ; Porites - branching





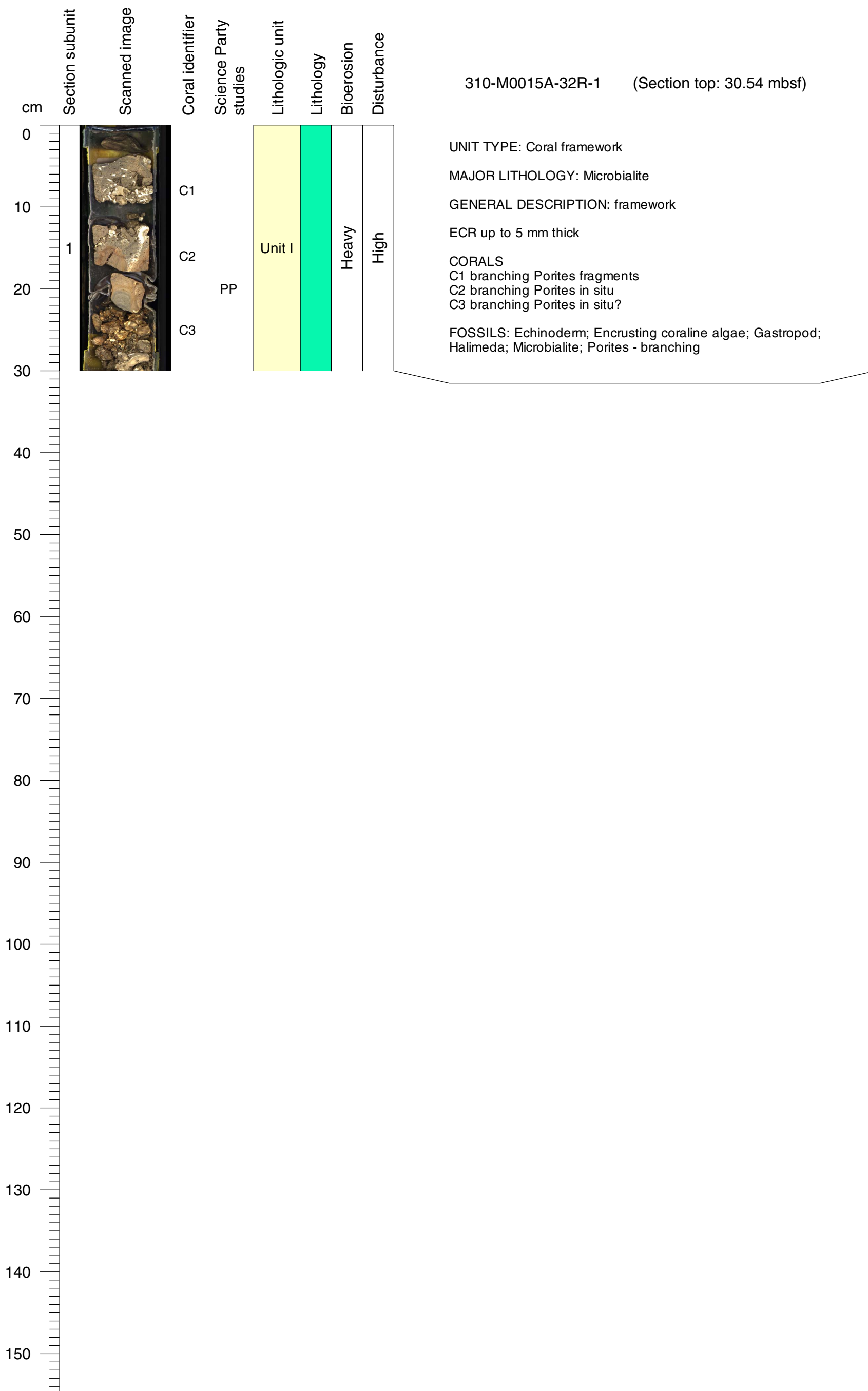
Core Photo

310-M0015A-31R-1 (Section top: 29.17 mbsf)

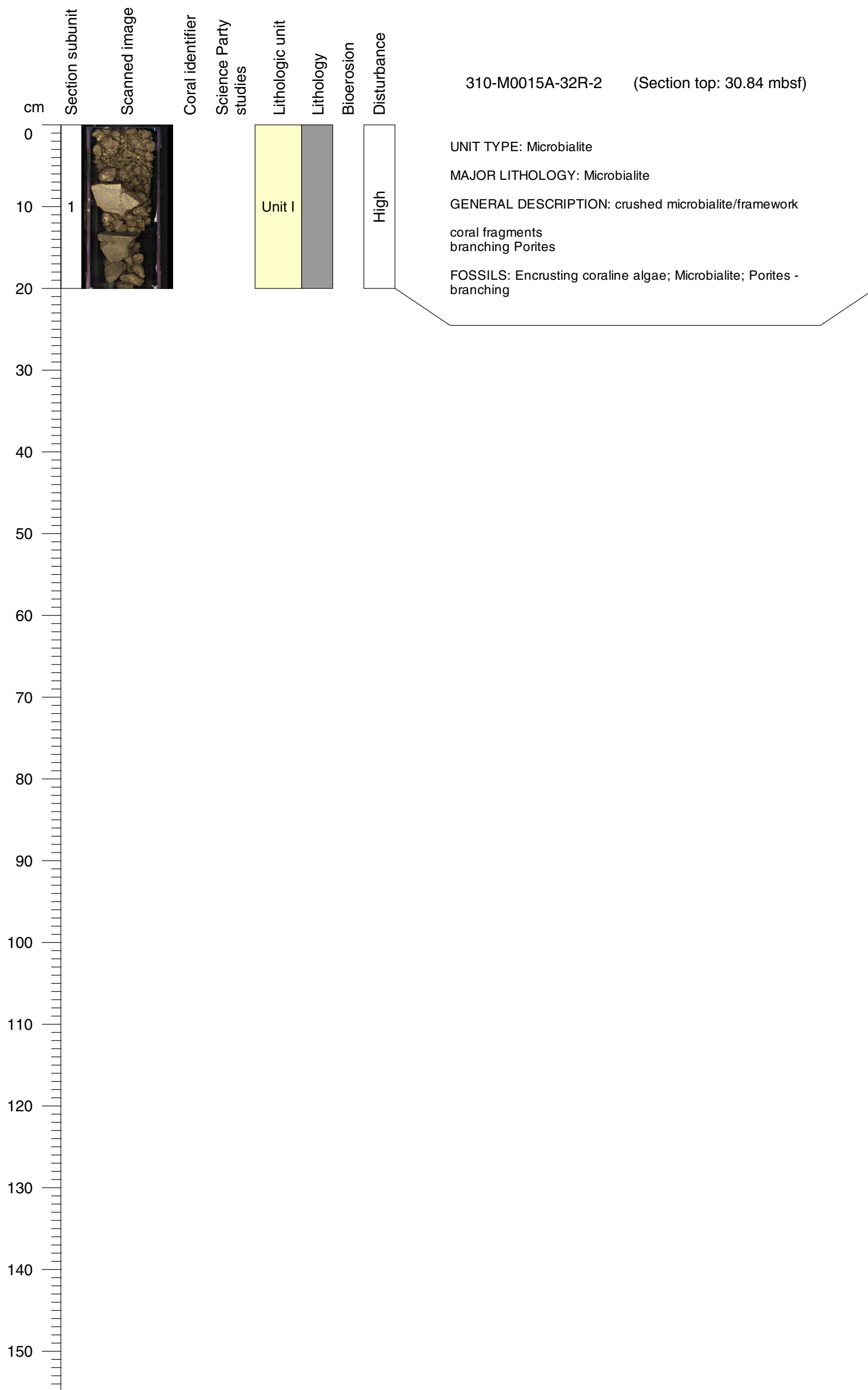


**Core Photo**

310-M0015A-32R-1 (Section top: 30.54 mbsf)

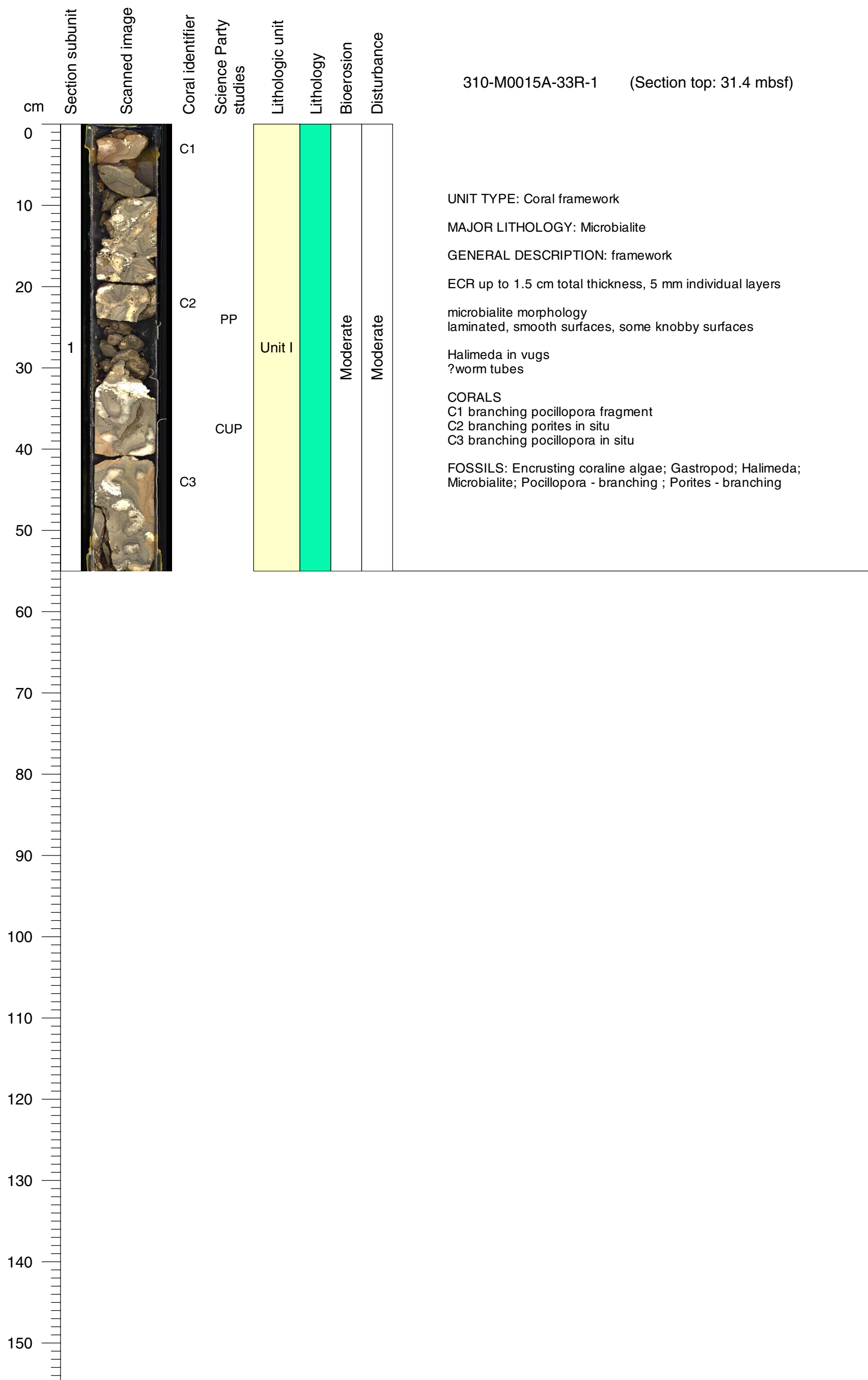


**Core Photo**

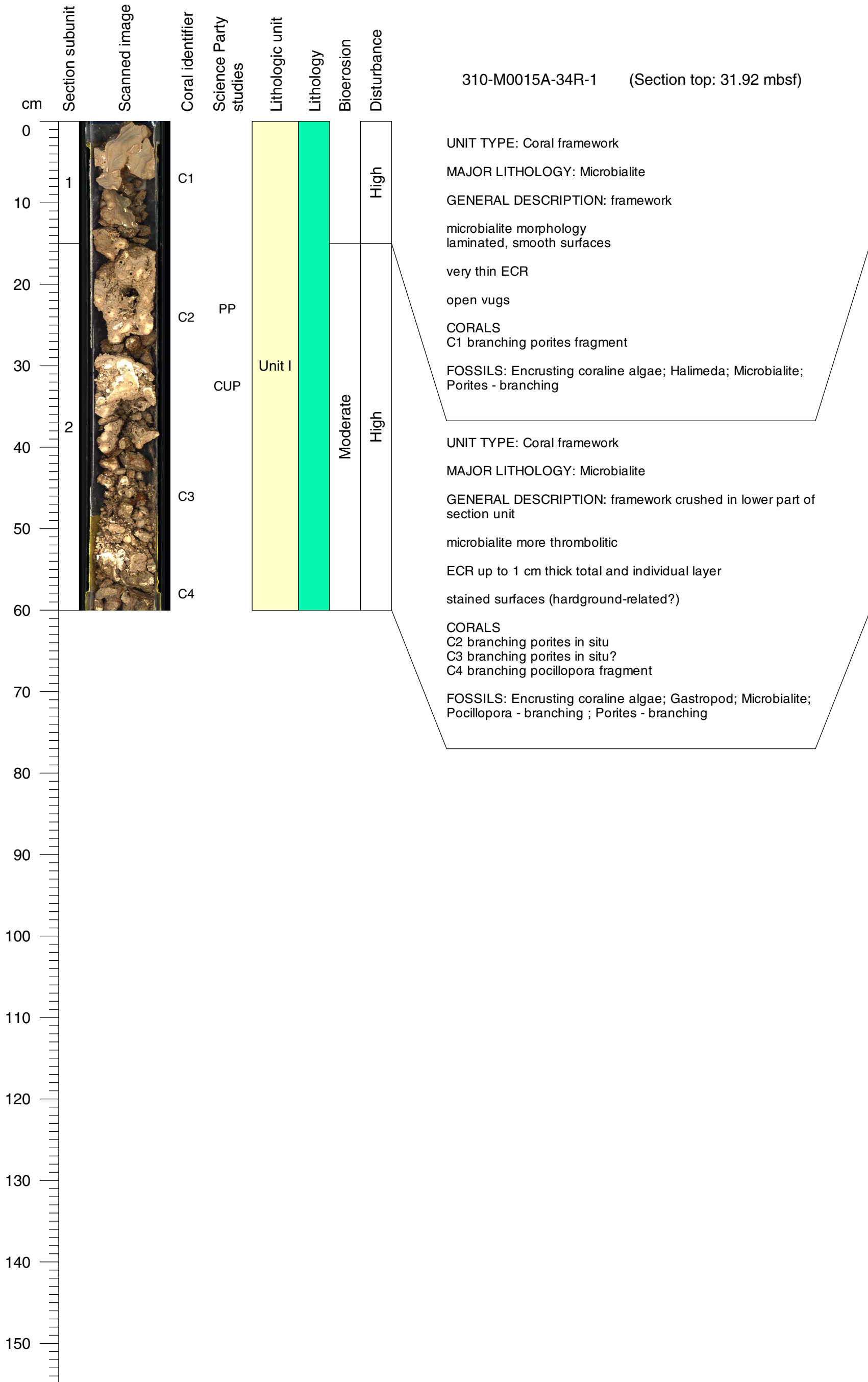


Core Photo

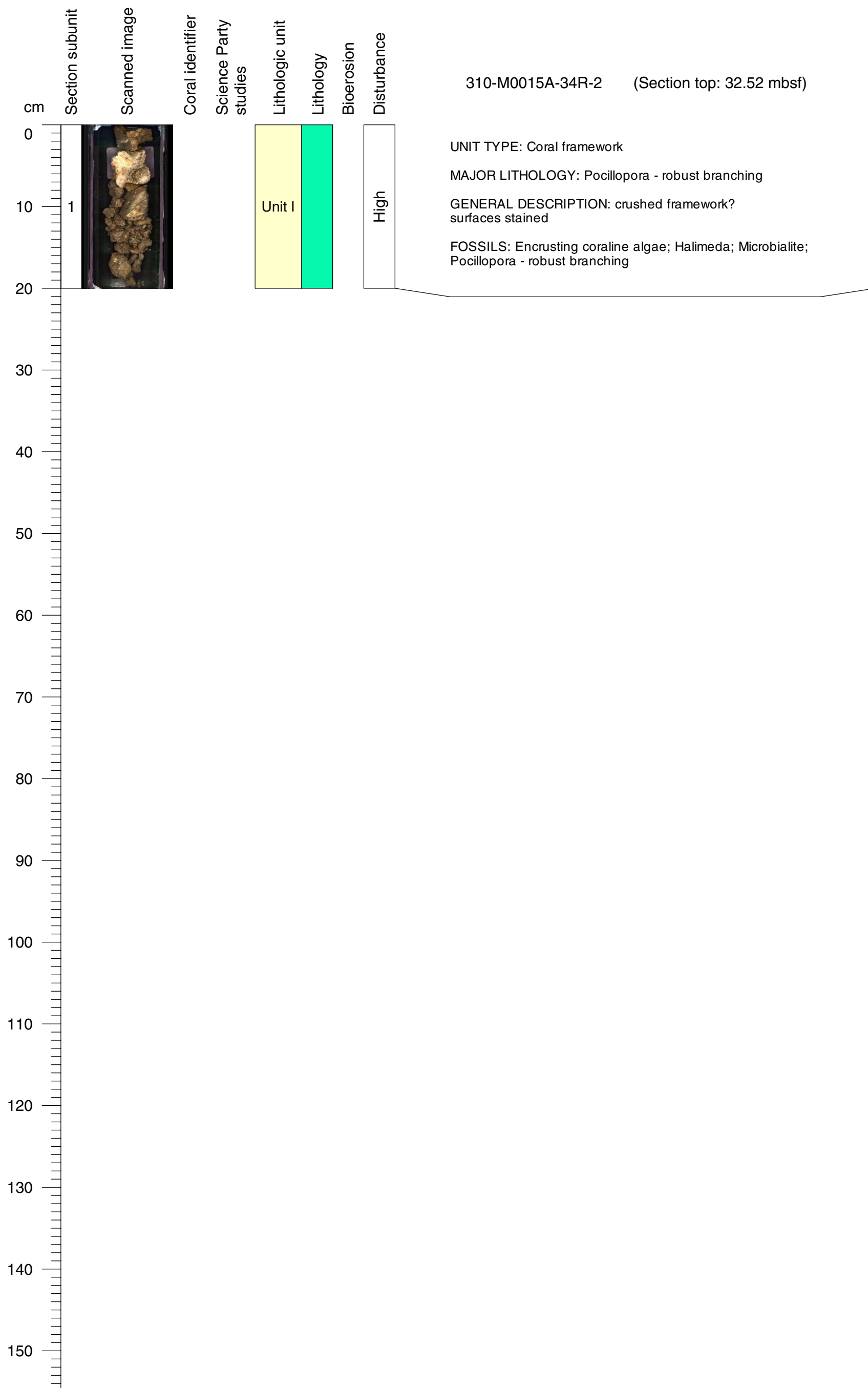
310-M0015A-33R-1 (Section top: 31.4 mbsf)



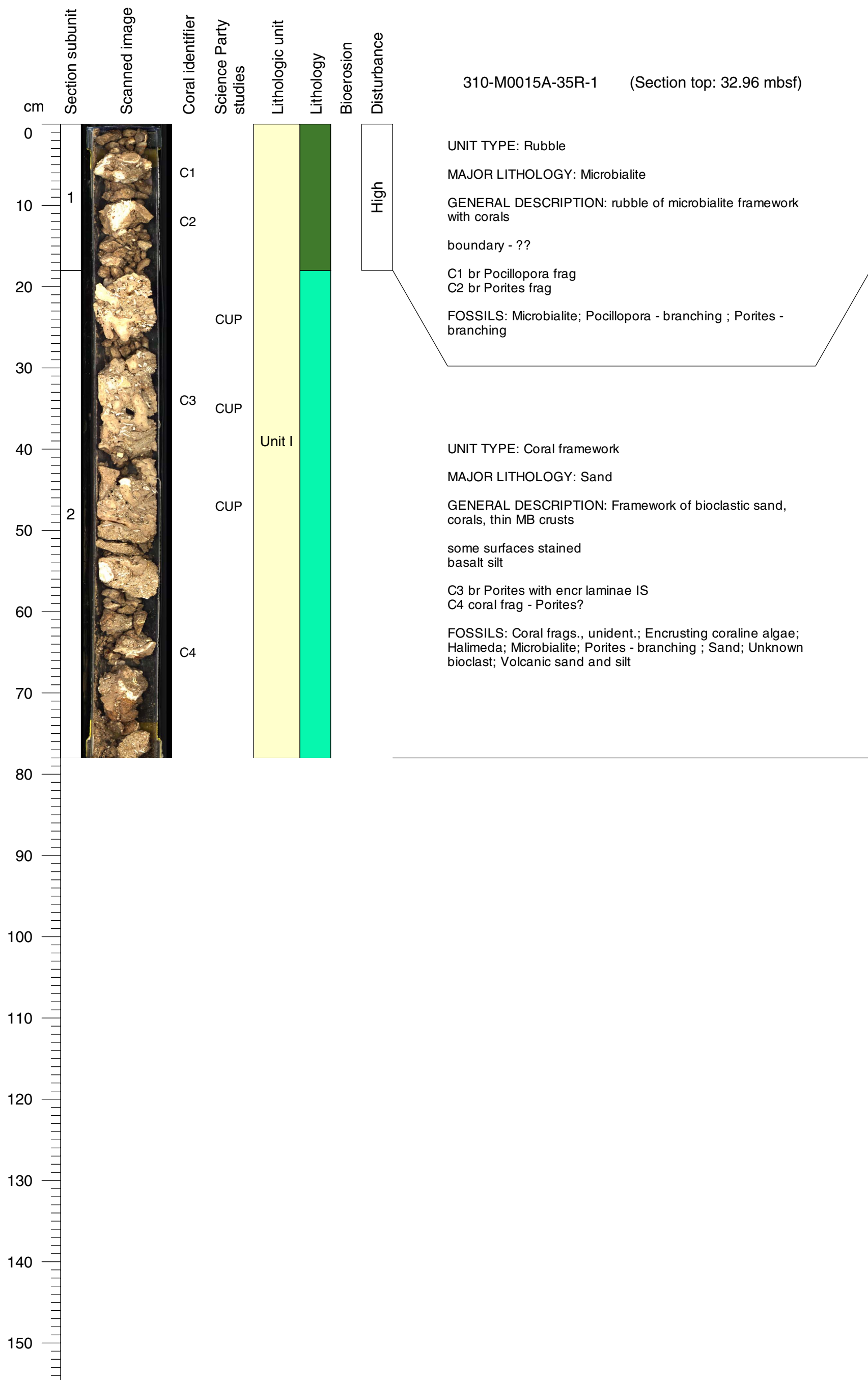
Core Photo



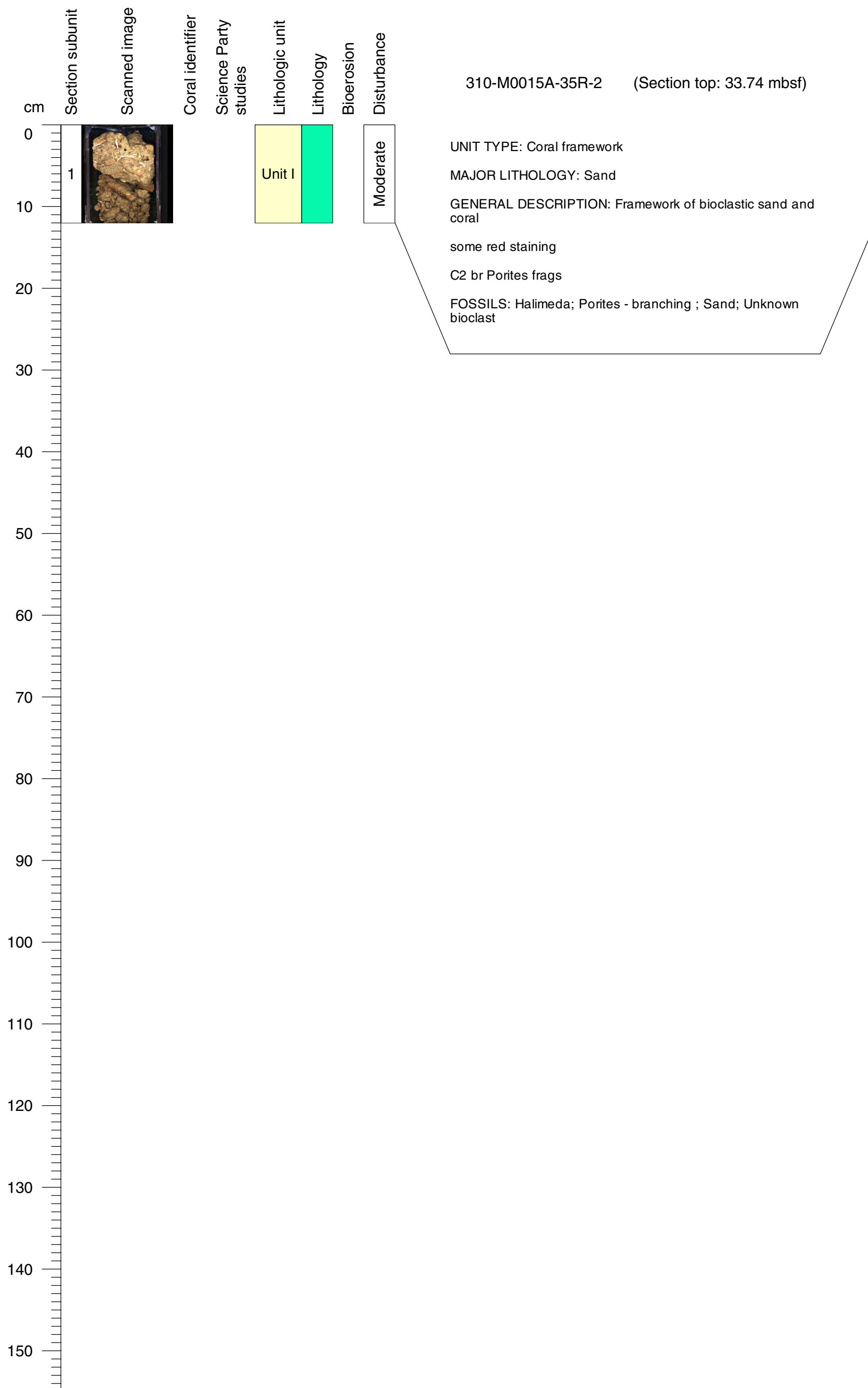
**Core Photo**



Core Photo



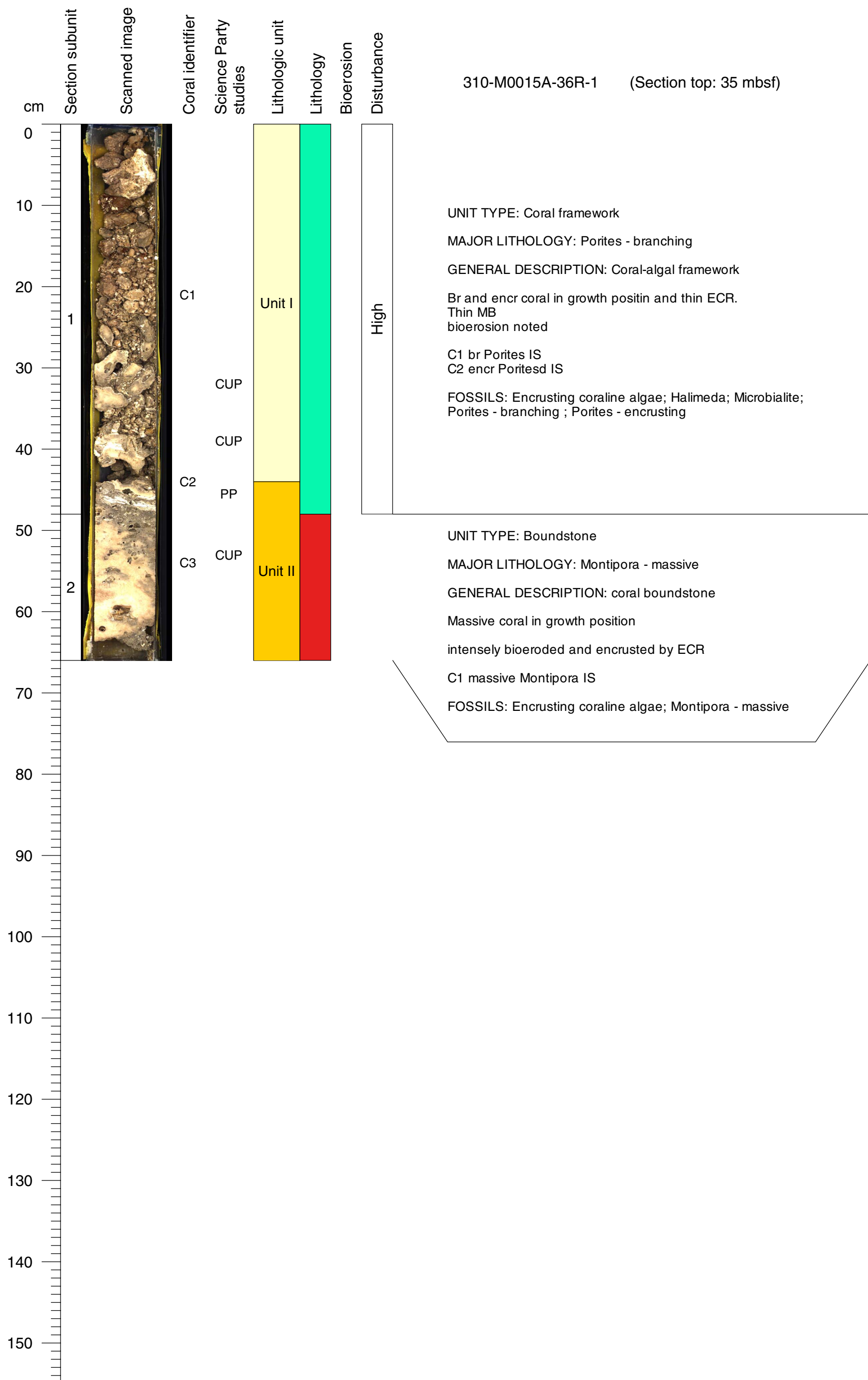
**Core Photo**



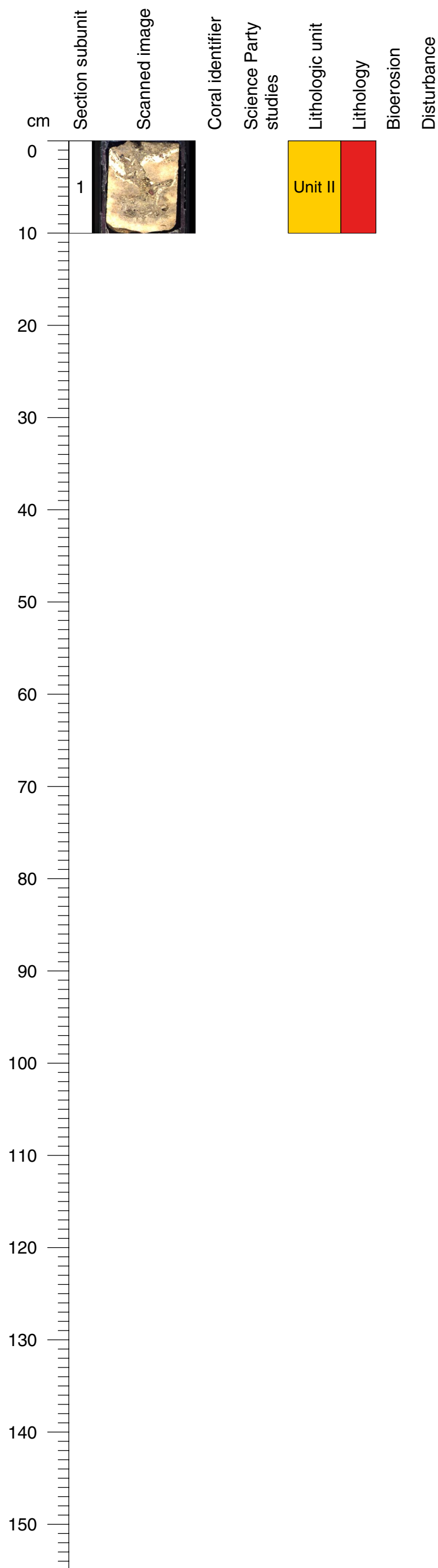


Core Photo

310-M0015A-36R-1 (Section top: 35 mbsf)



**Core Photo**



310-M0015A-36R-2 (Section top: 35.66 mbsf)

UNIT TYPE: Boundstone

MAJOR LITHOLOGY: Montipora - massive

GENERAL DESCRIPTION: coral-algal boundstone

strongly bioroded  
 cavities infilled with grainstone = bioclasts incl Hal and echinoid  
 spines  
 massive coral encr by ECR

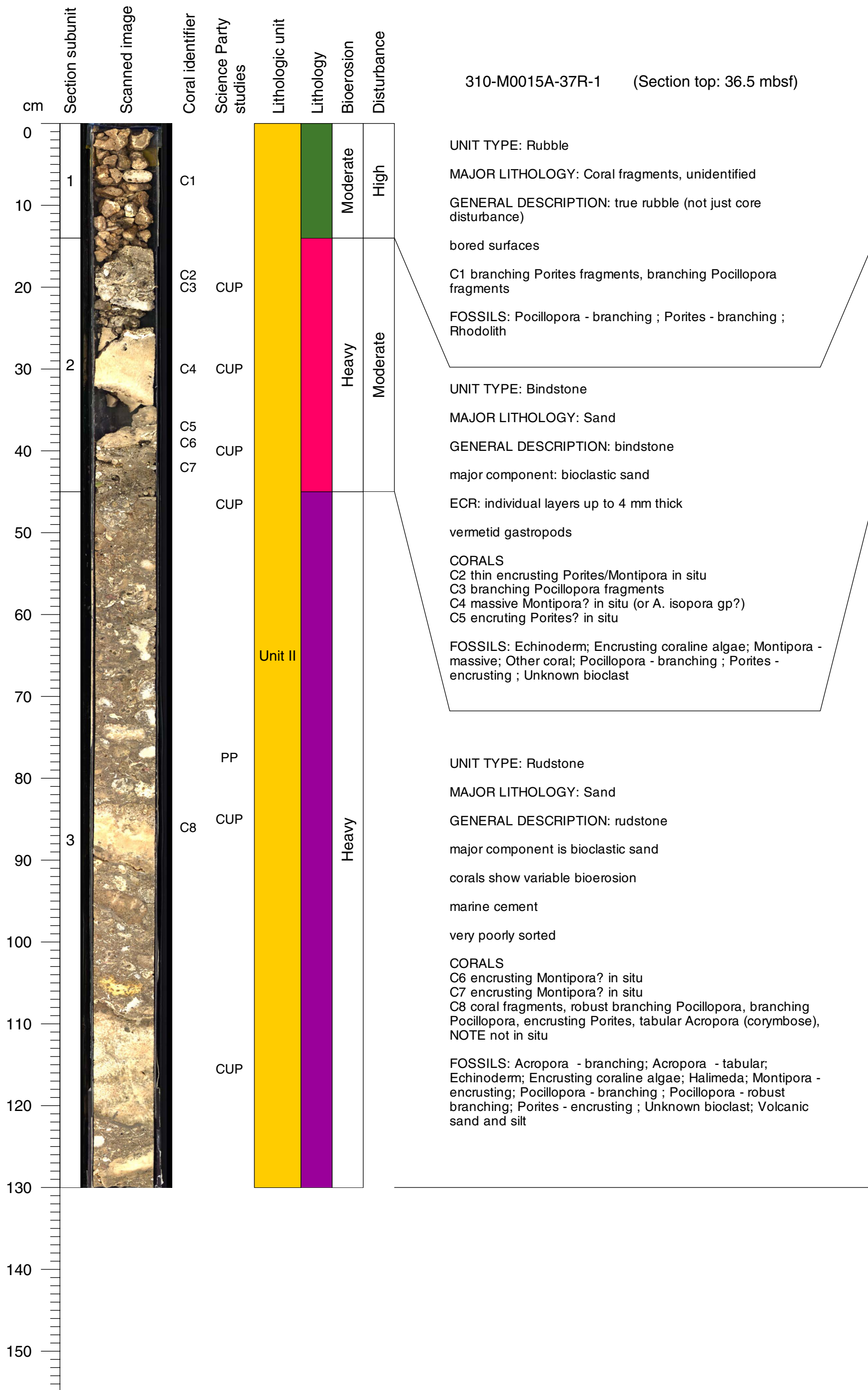
C1 Massive Montipora IS

FOSSILS: Echinoderm; Encrusting coralline algae; Halimeda;  
 Montipora - massive



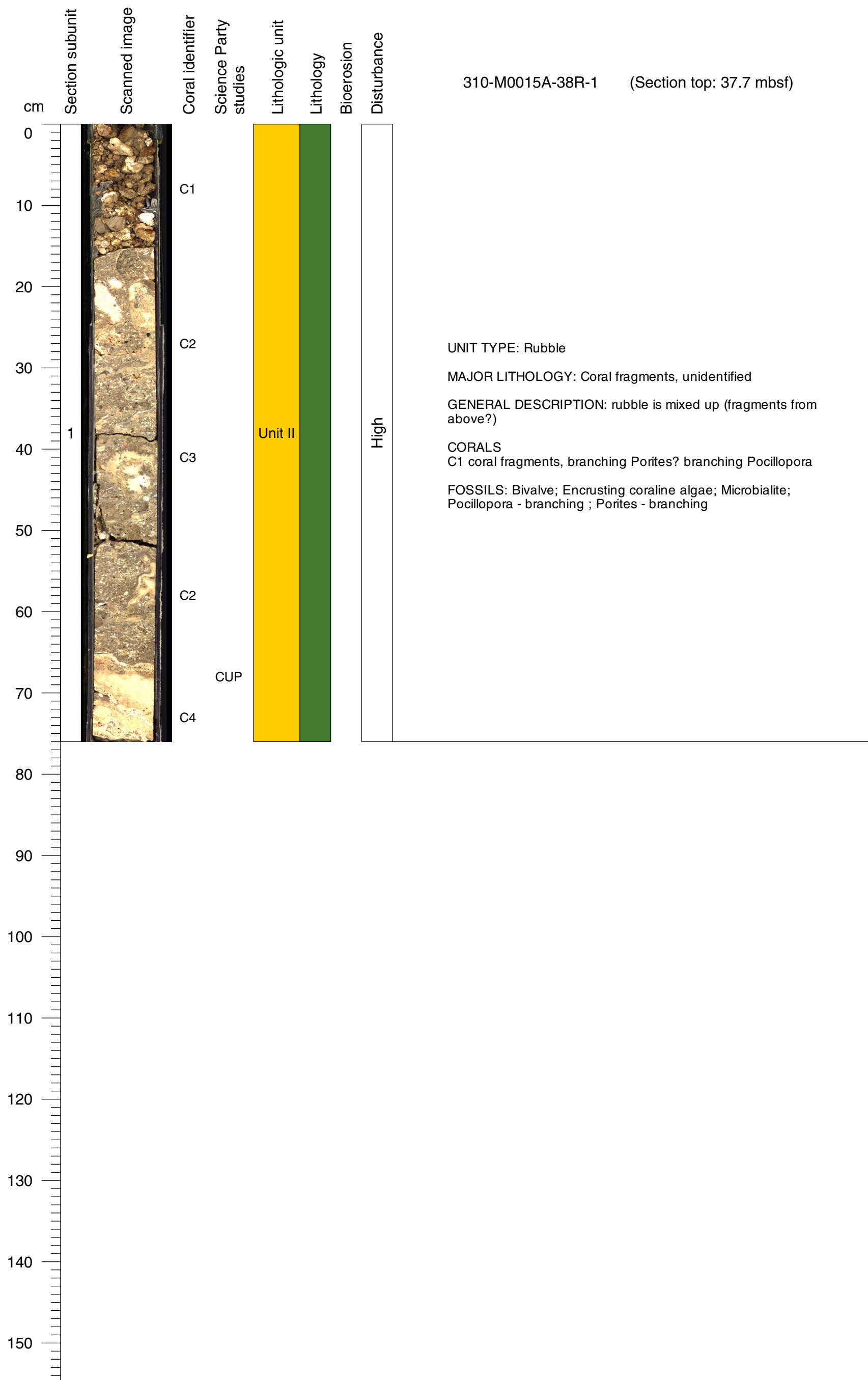
Core Photo

310-M0015A-37R-1 (Section top: 36.5 mbsf)



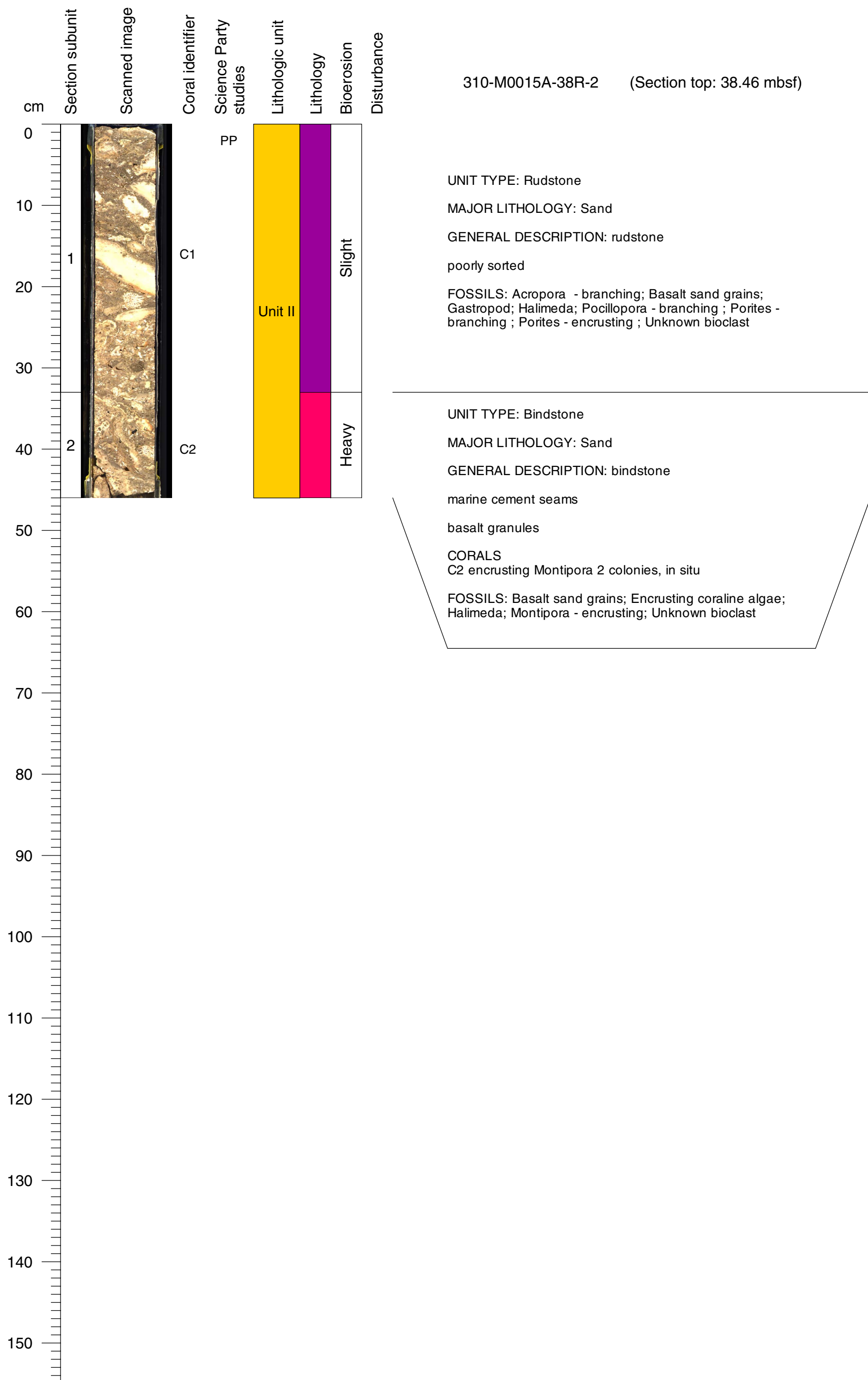
Core Photo

310-M0015A-38R-1 (Section top: 37.7 mbsf)

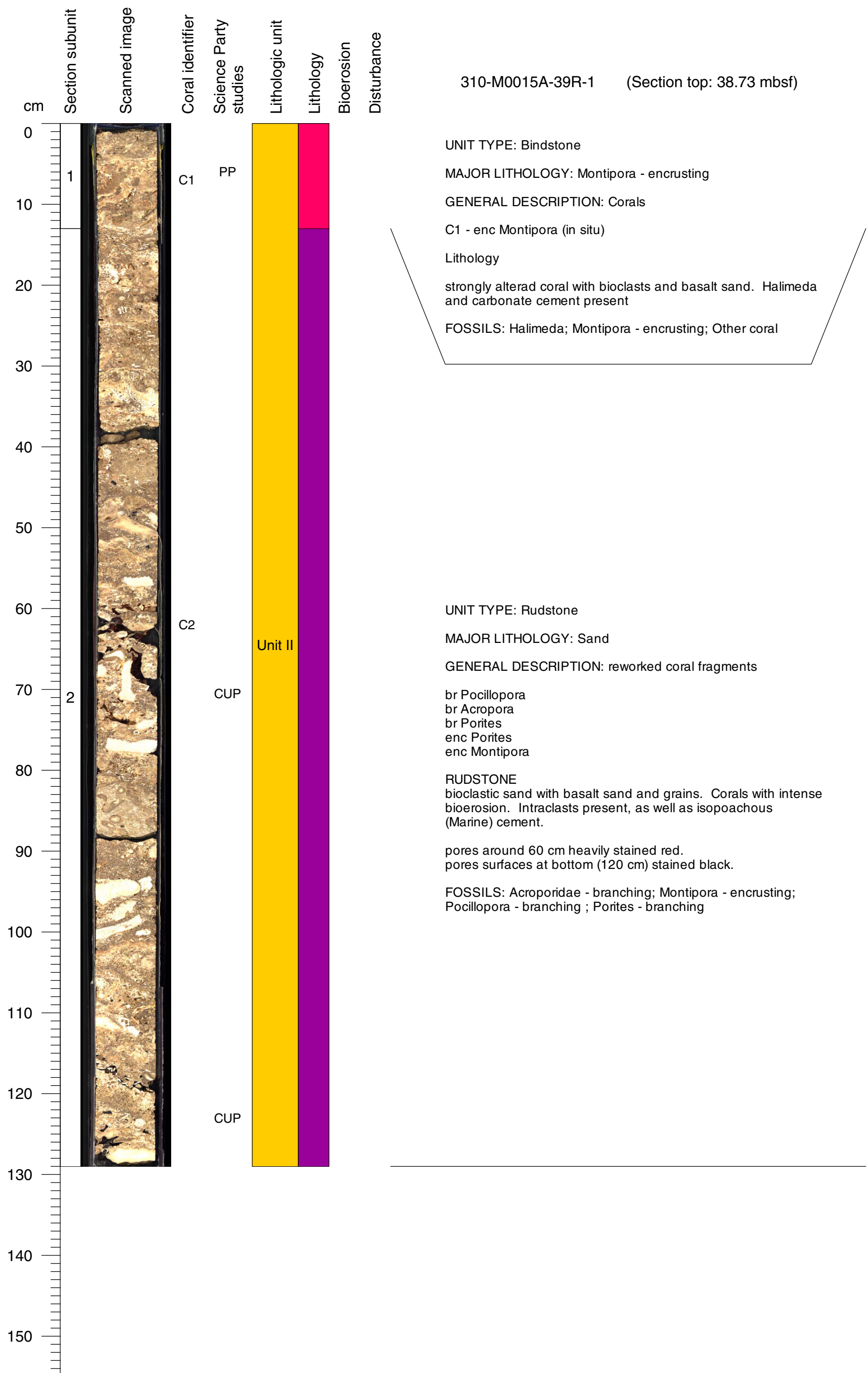


Core Photo

310-M0015A-38R-2 (Section top: 38.46 mbsf)

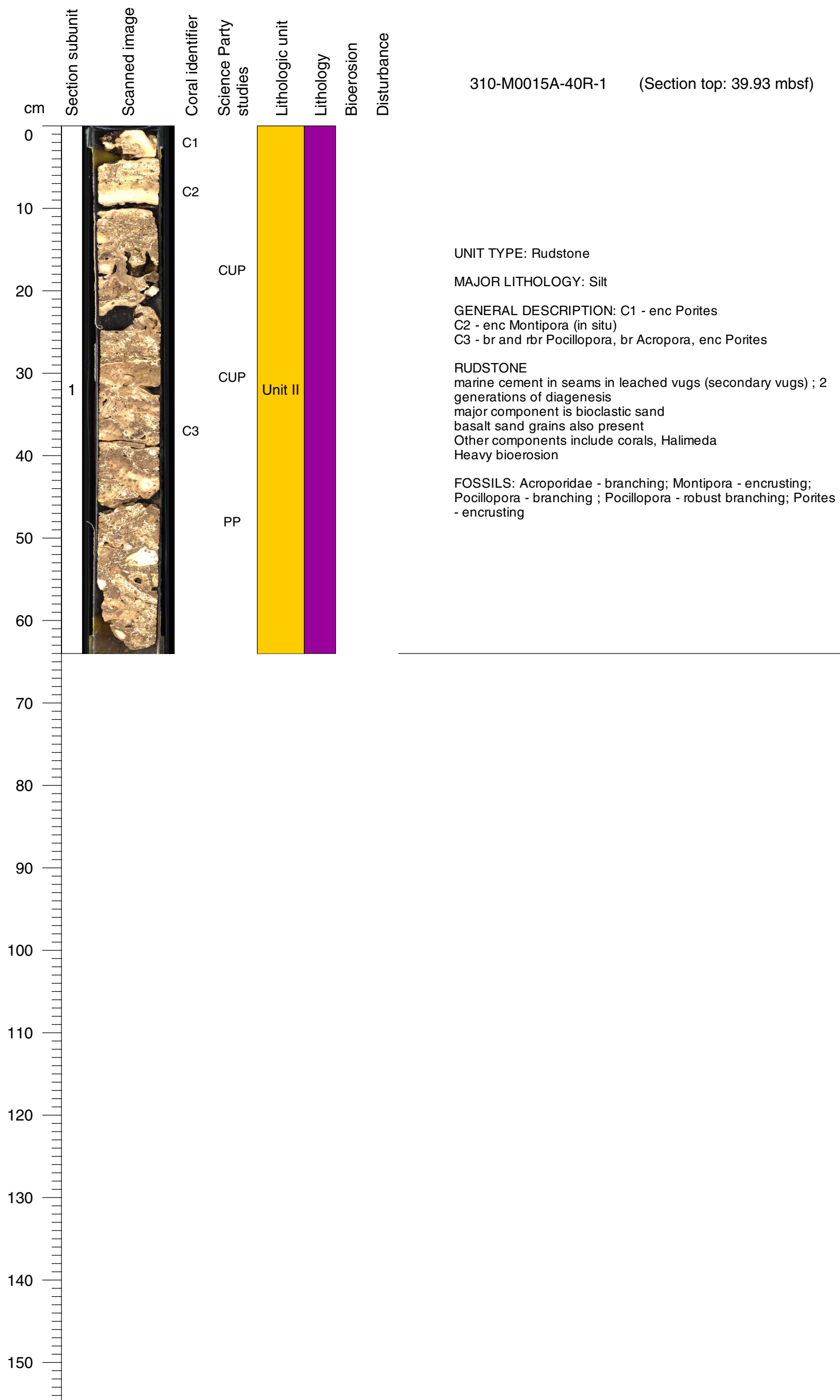


Core Photo

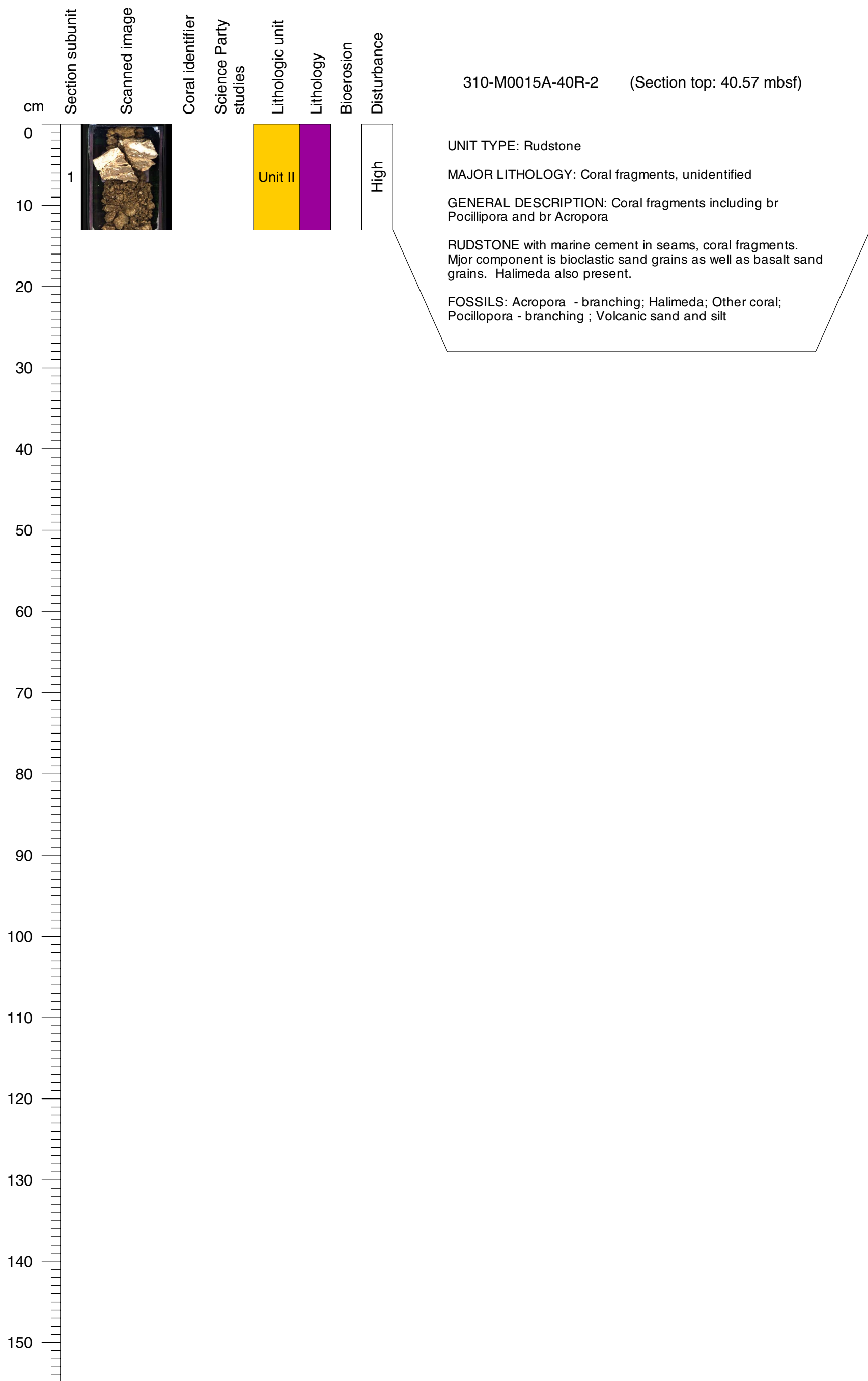


**Core Photo**

310-M0015A-40R-1 (Section top: 39.93 mbsf)



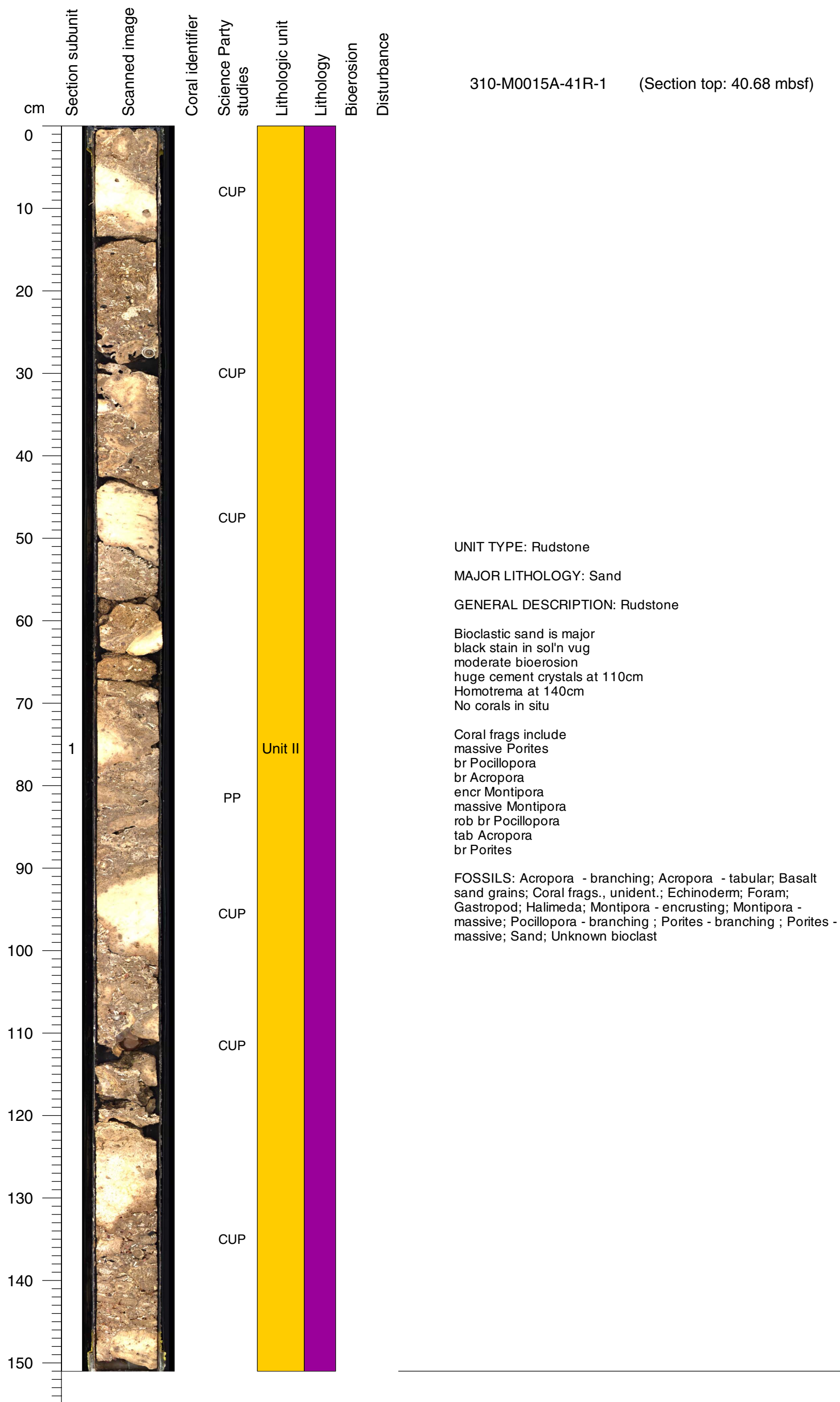
**Core Photo**



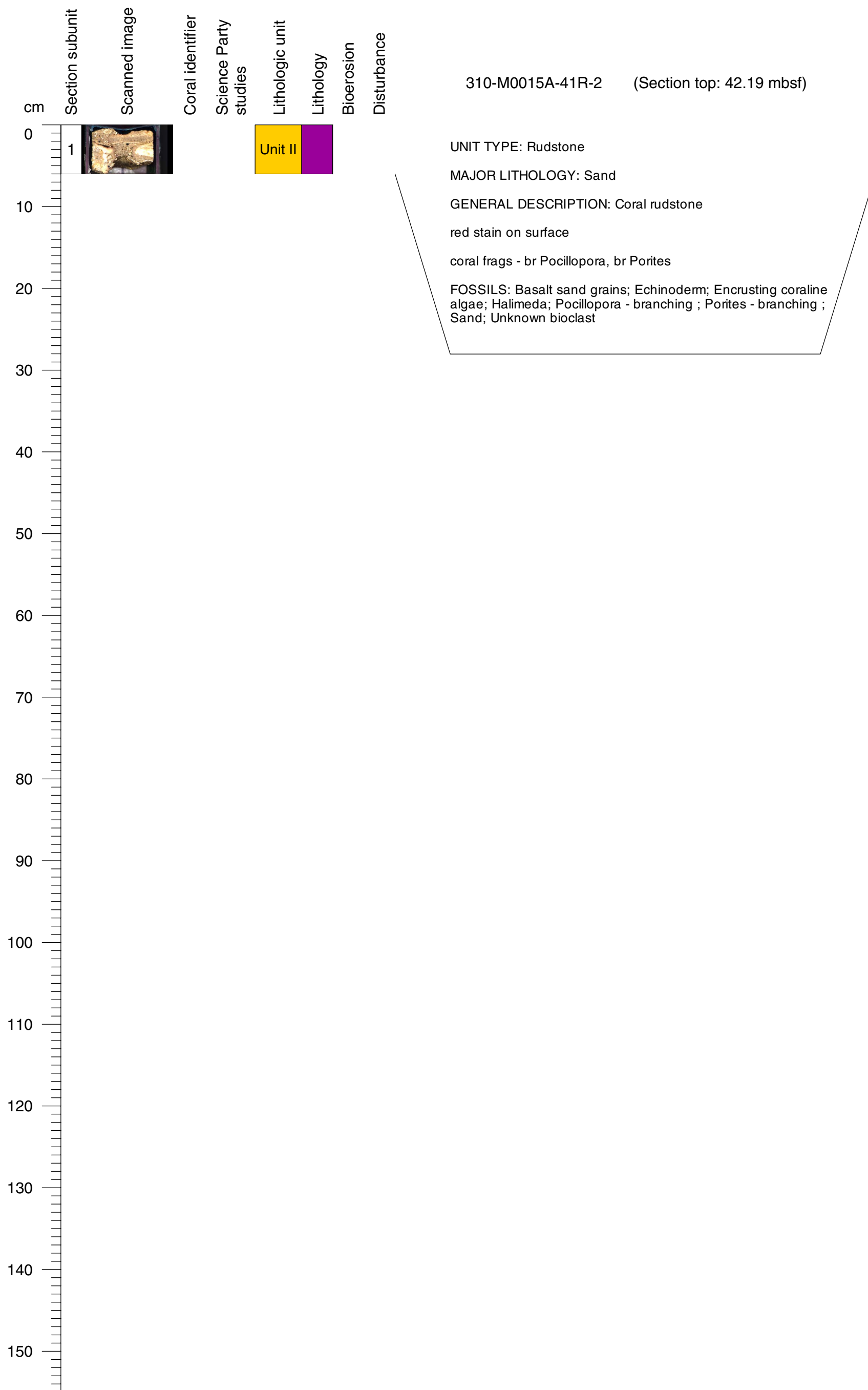


Core Photo

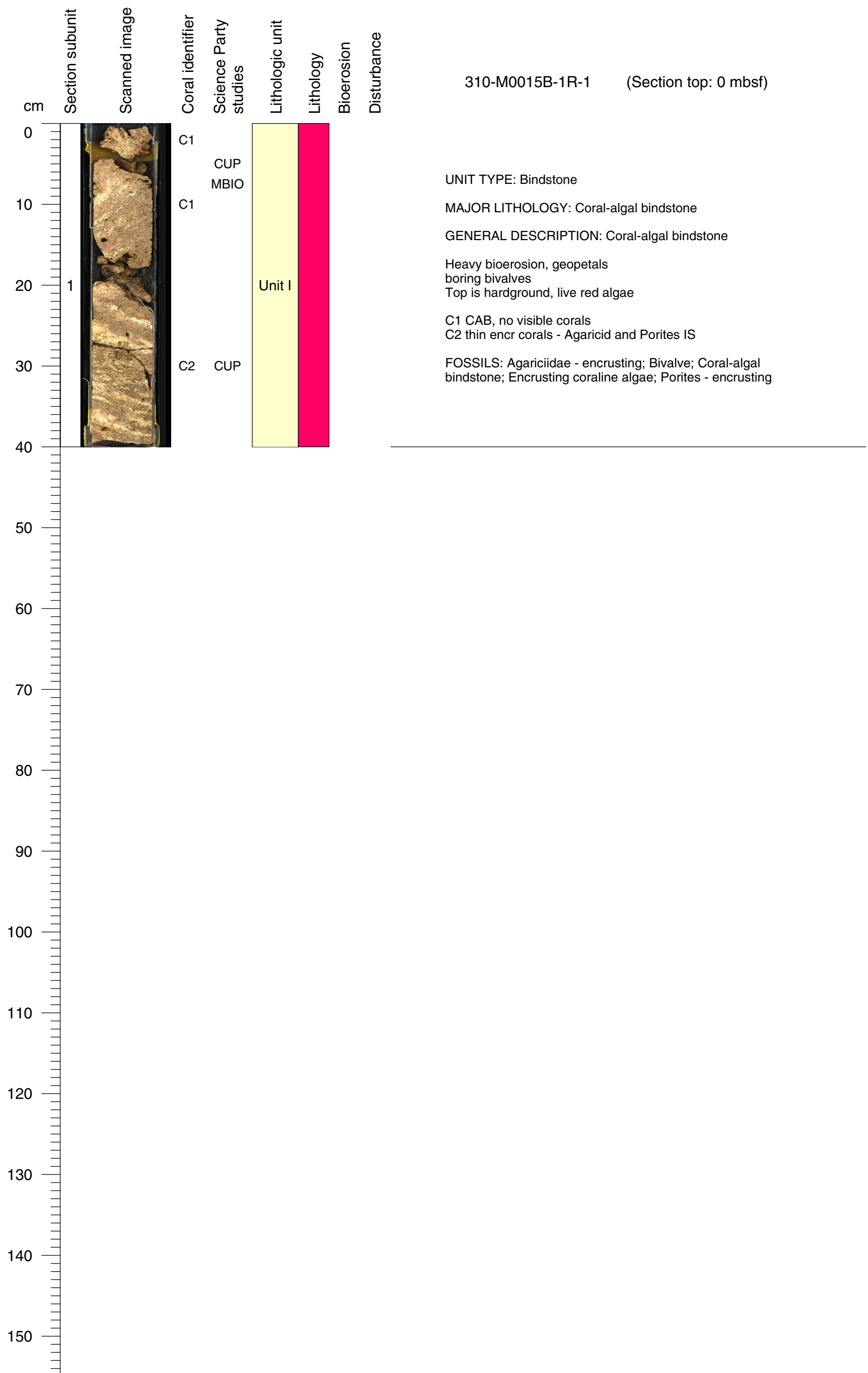
310-M0015A-41R-1 (Section top: 40.68 mbsf)



**Core Photo**

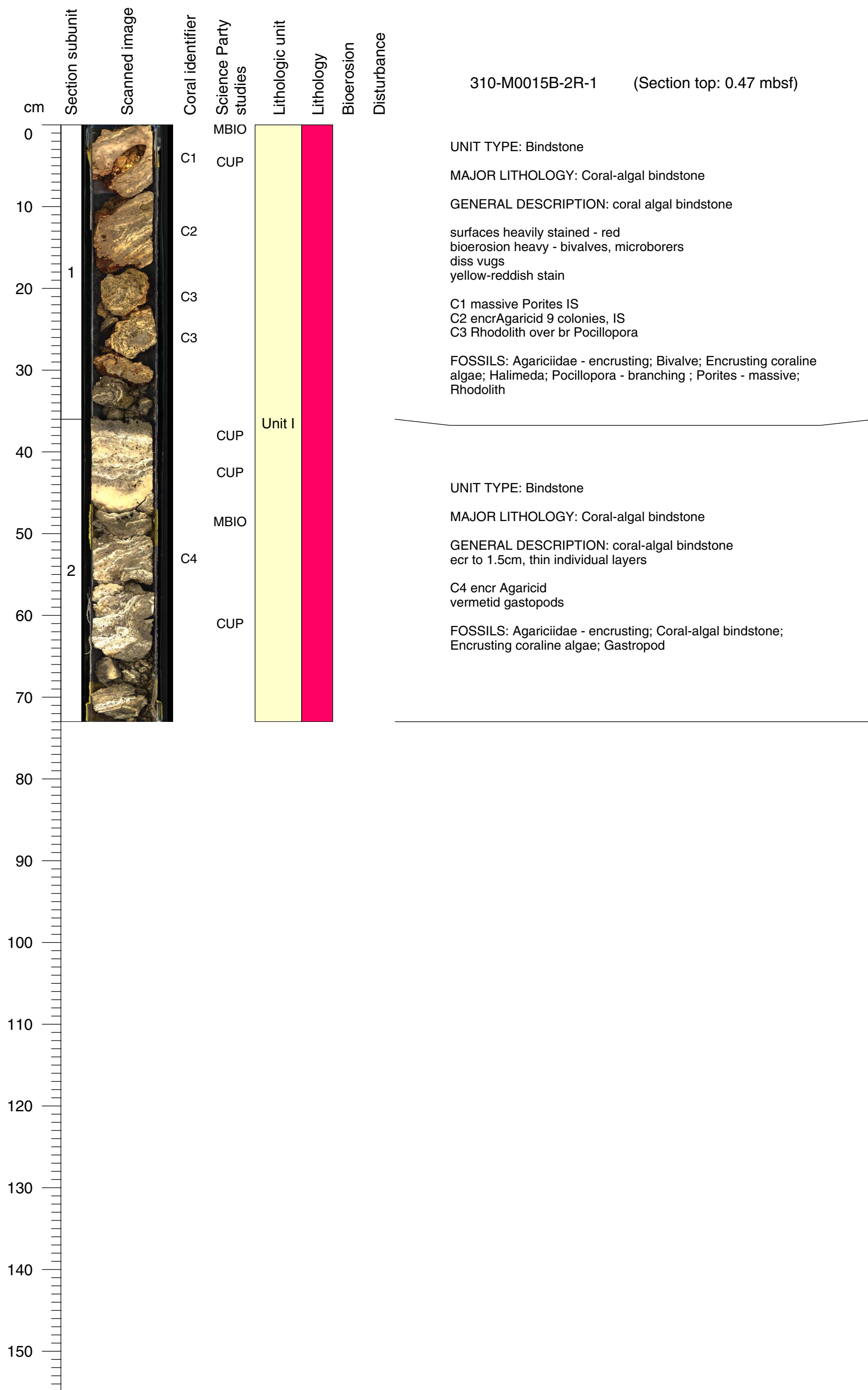


**Core Photo**

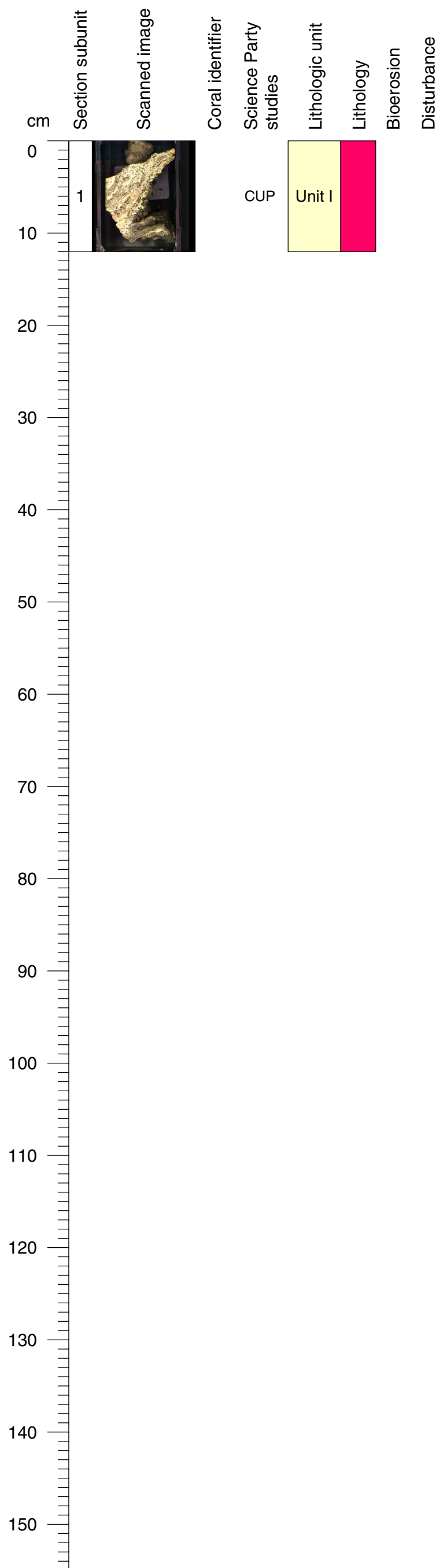


Core Photo

310-M0015B-2R-1 (Section top: 0.47 mbsf)



**Core Photo**



310-M0015B-2R-2 (Section top: 1.2 mbsf)

UNIT TYPE: Bindstone  
 MAJOR LITHOLOGY: Coral-algal bindstone  
 GENERAL DESCRIPTION: coral-algal bindstone

intense bioerosion  
 first colonization by MB!

C1 thin encr Agaricids 5 colonies

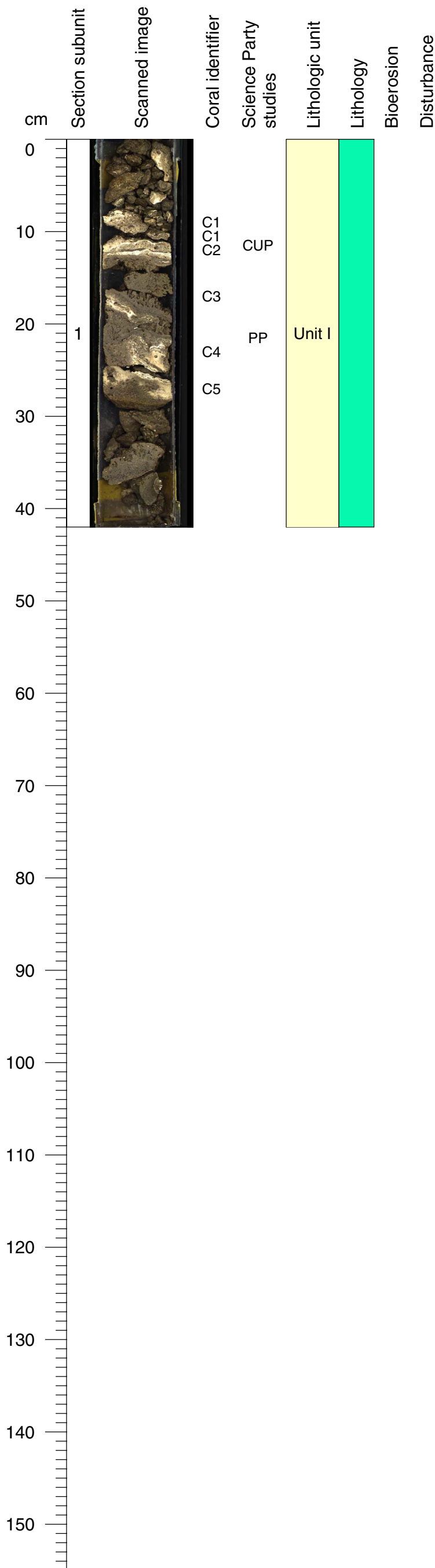
Note upside-down

FOSSILS: Agariciidae - encrusting; Coral-algal bindstone;  
 Encrusting coralline algae; Microbialite



**Core Photo**

310-M0015B-3R-1 (Section top: 1.98 mbsf)



UNIT TYPE: Coral framework

MAJOR LITHOLOGY: Microbialite

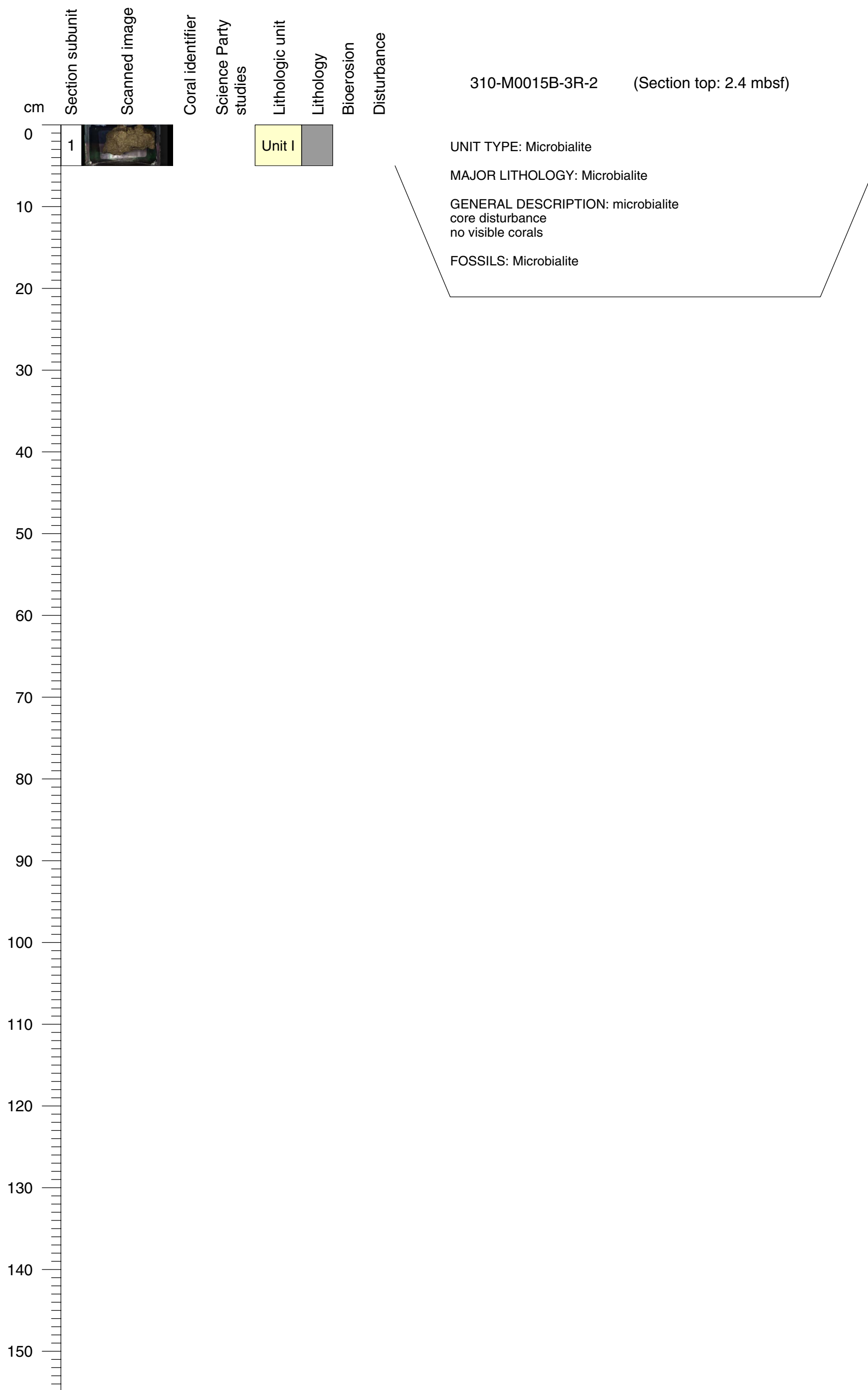
GENERAL DESCRIPTION: Framework  
 Major: lamina and dendritic microbialite  
 thin multiple layers of encrusting coralline algae  
 open vugs  
 Halimeda  
 intense bioerosion of some of the corals  
 core disturbance throughout

CORAL:  
 C1= enc Agaricid IS  
 C2=enc Montipora IS  
 C3=enc Agaricid IS  
 C4=enc Porites IS  
 C5=foliaceous Pachyseris IS

FOSSILS: Agariciidae - encrusting; Encrusting coralline algae;  
 Halimeda; Microbialite; Montipora - encrusting; Pachyseris -  
 foliaceous; Porites - encrusting



**Core Photo**

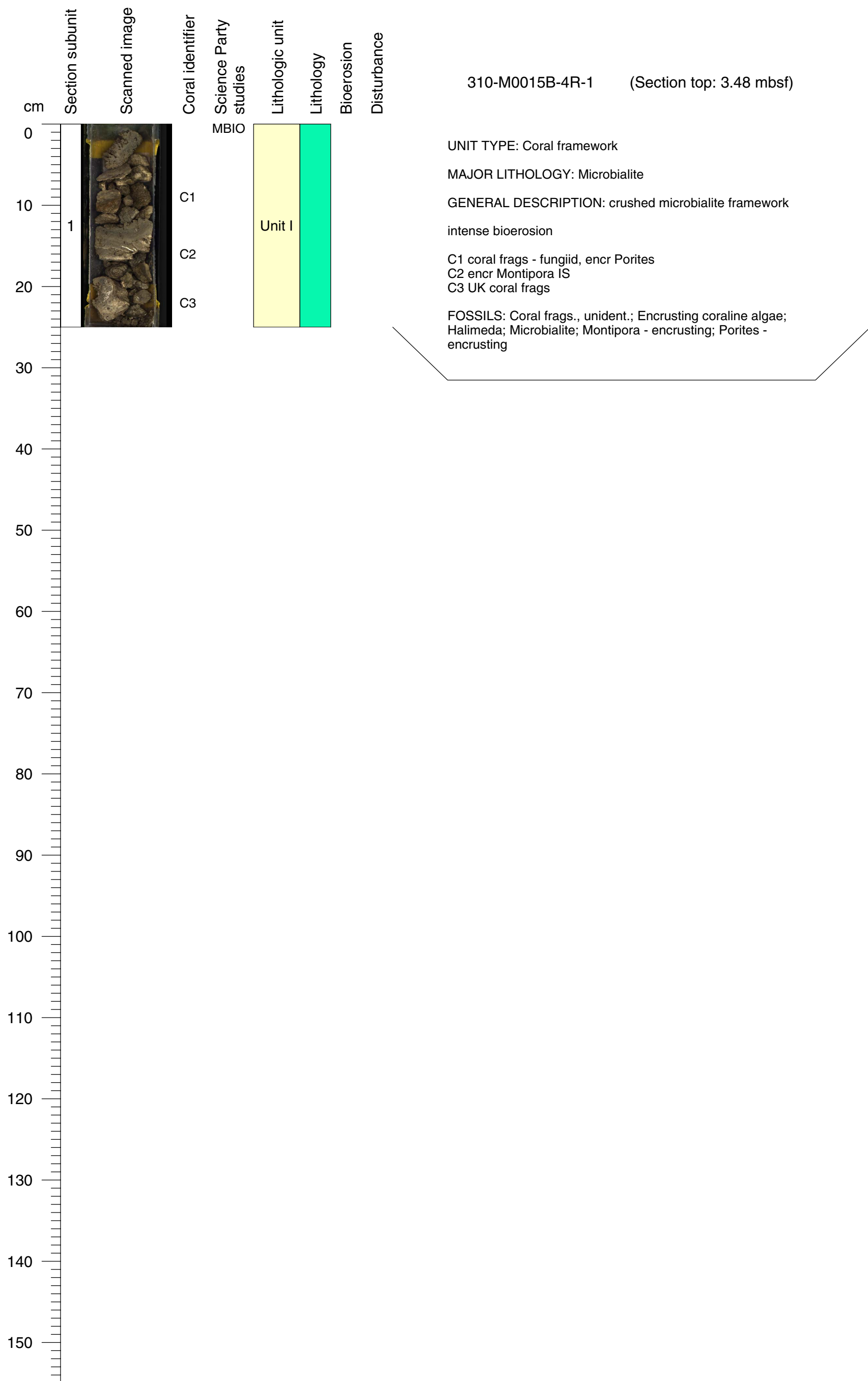


310-M0015B-3R-2 (Section top: 2.4 mbsf)

UNIT TYPE: Microbialite  
 MAJOR LITHOLOGY: Microbialite  
 GENERAL DESCRIPTION: microbialite  
 core disturbance  
 no visible corals  
 FOSSILS: Microbialite

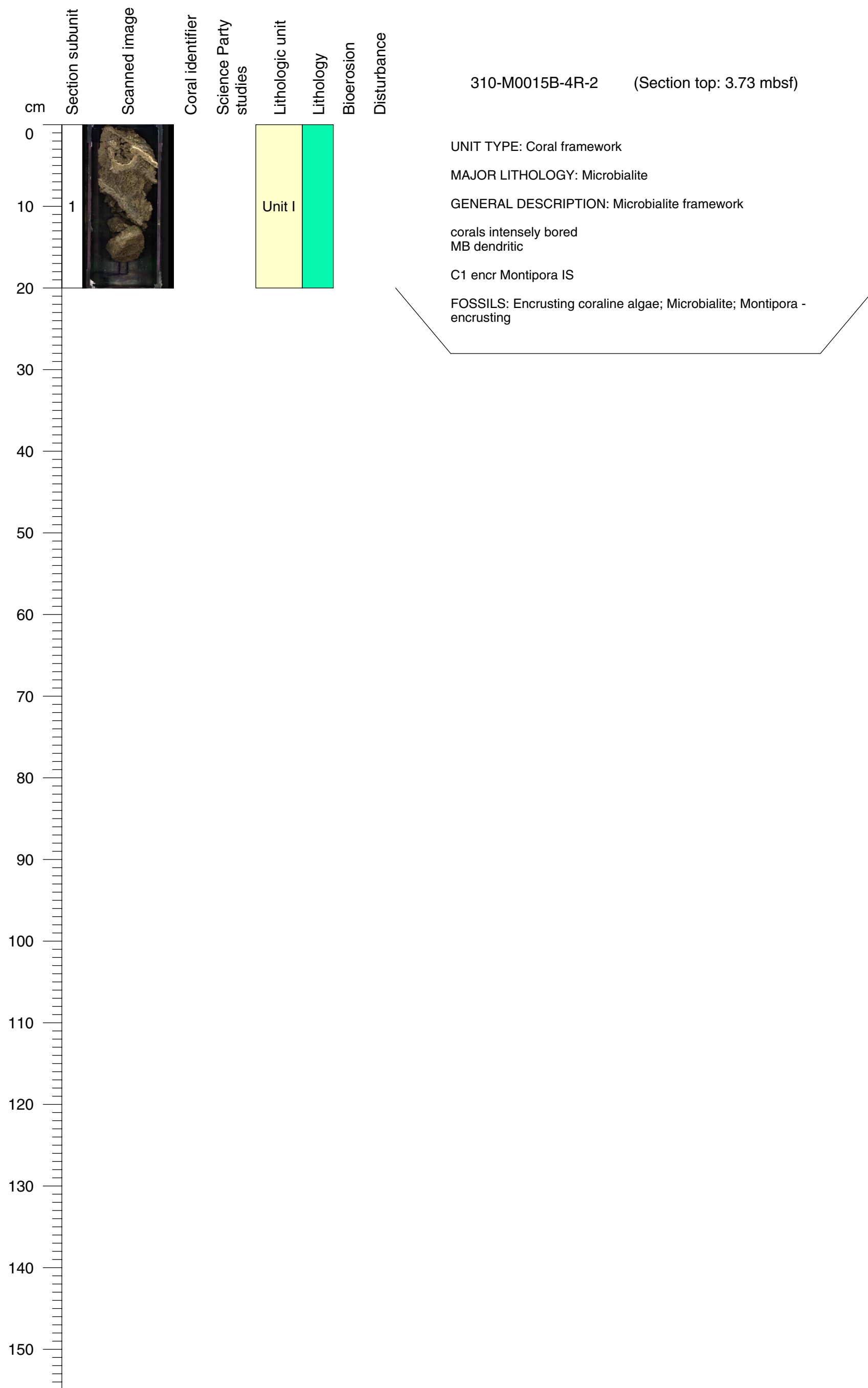


Core Photo

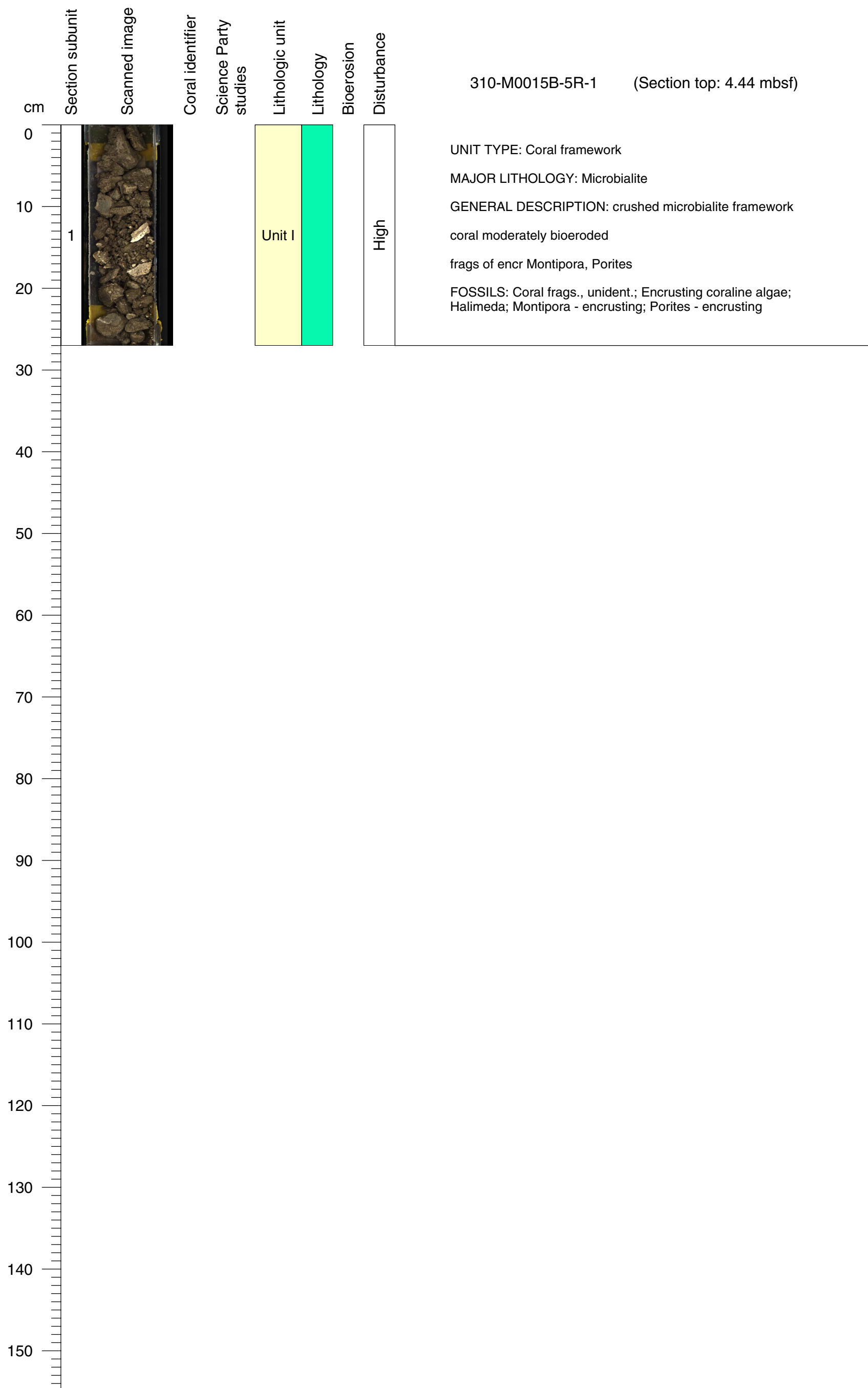




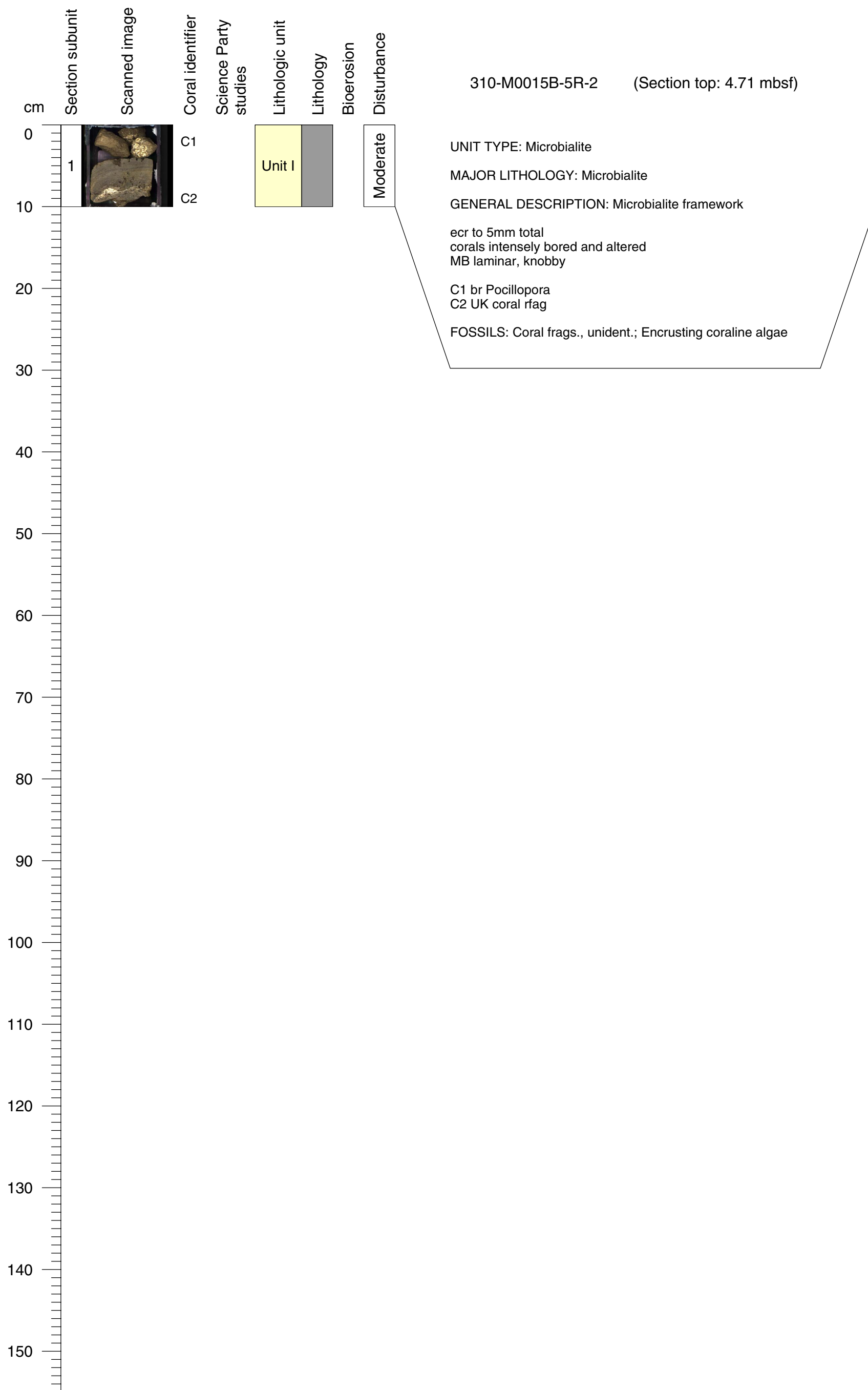
Core Photo



**Core Photo**

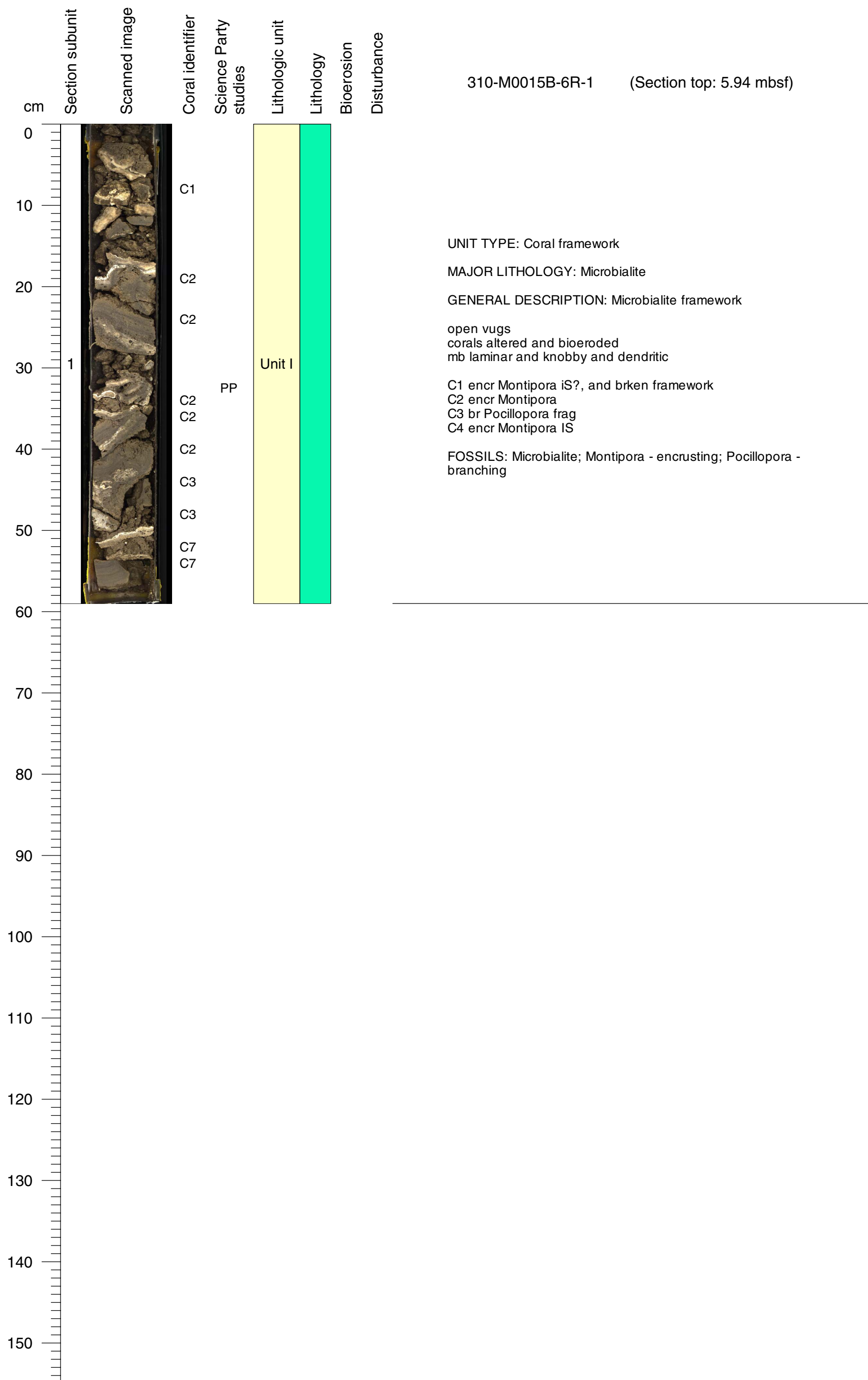


Core Photo

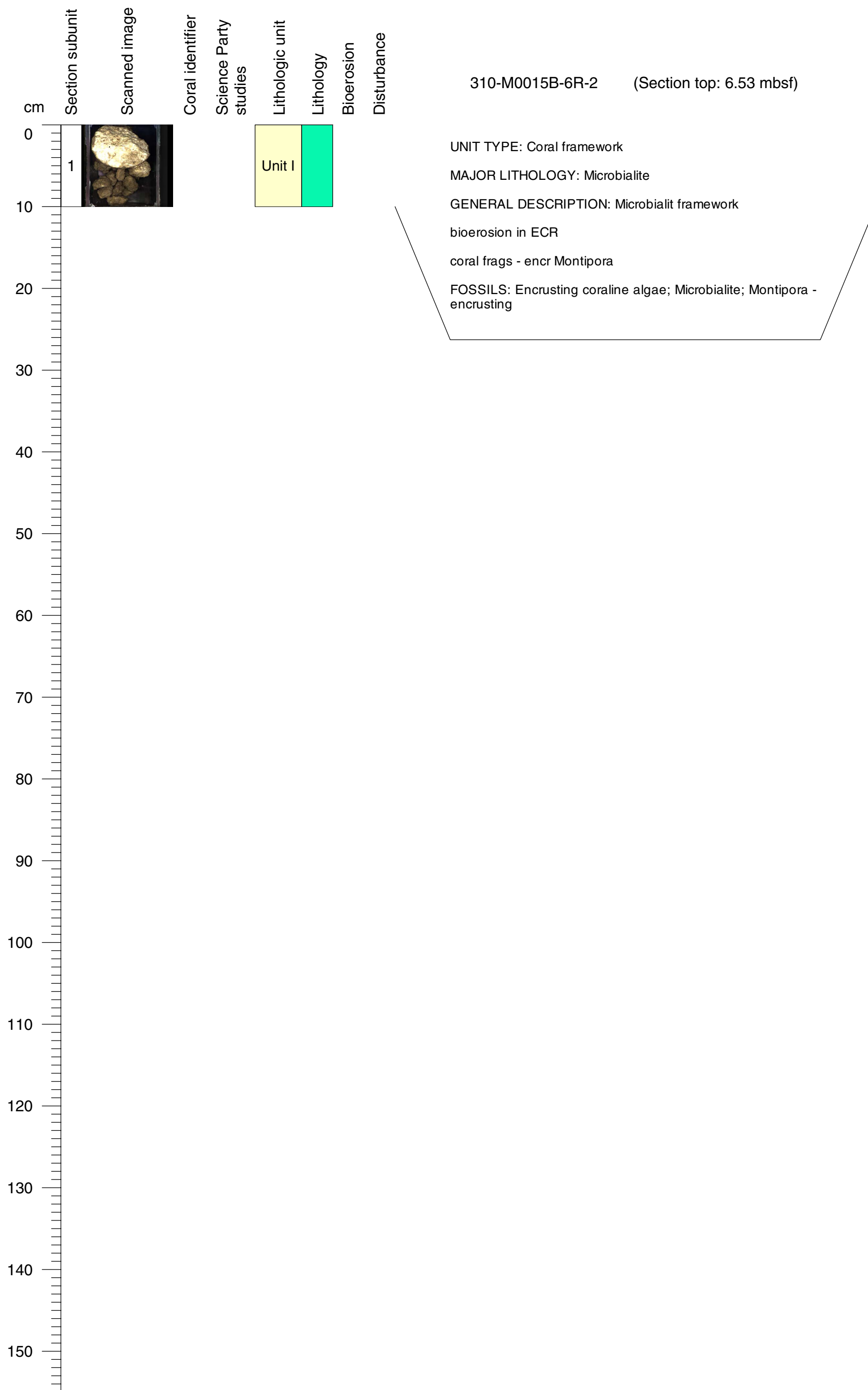


Core Photo

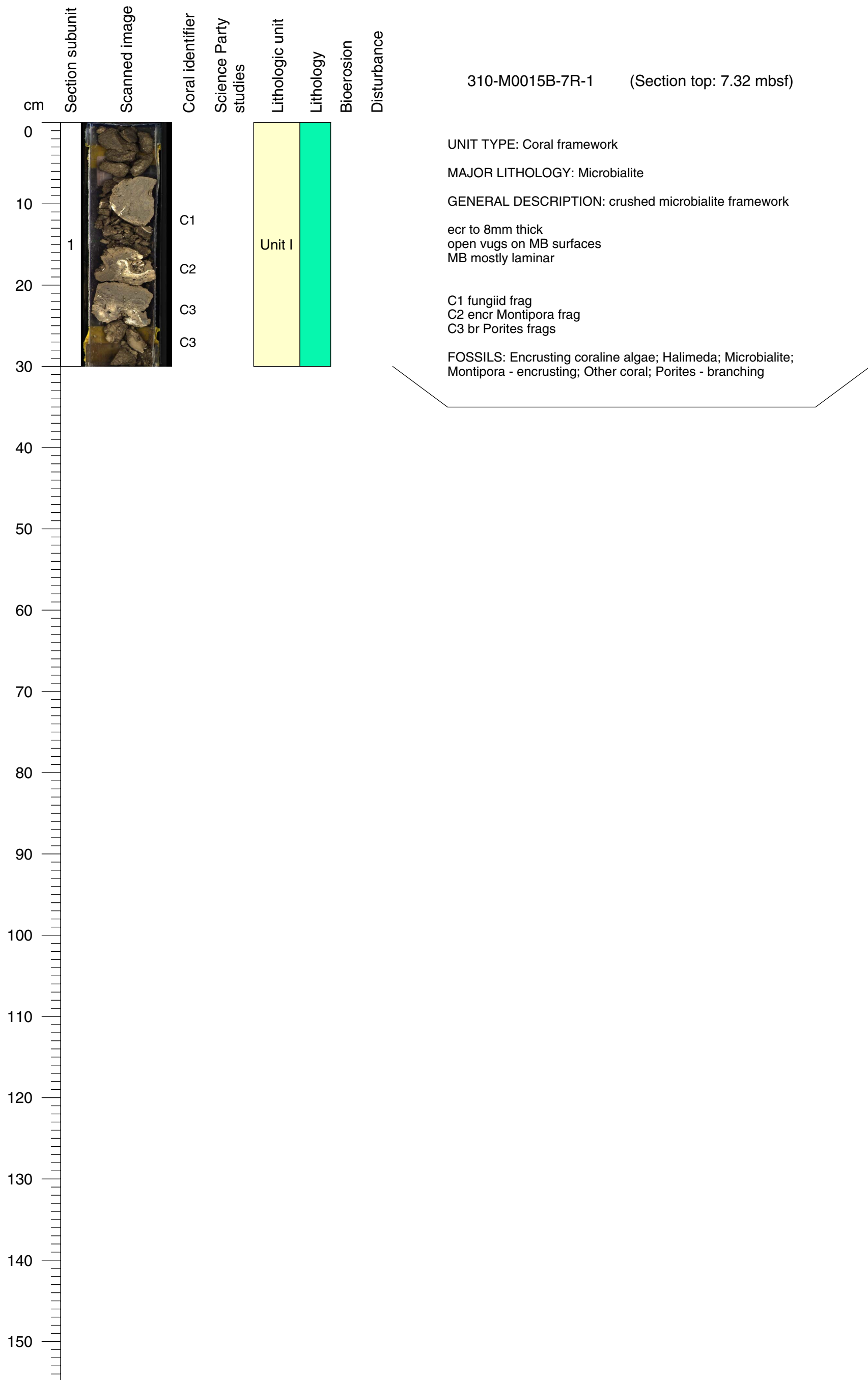
310-M0015B-6R-1 (Section top: 5.94 mbsf)



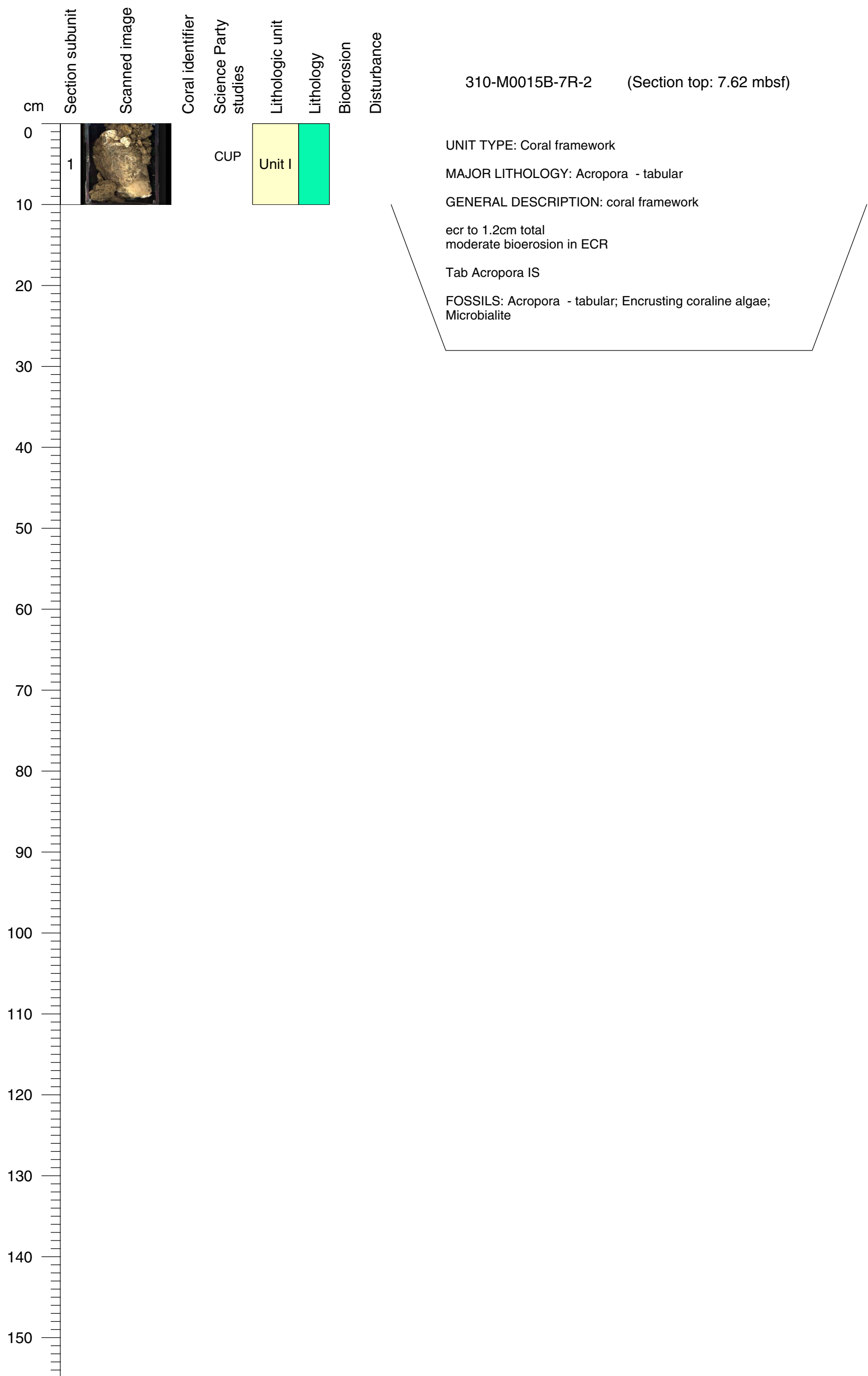
**Core Photo**



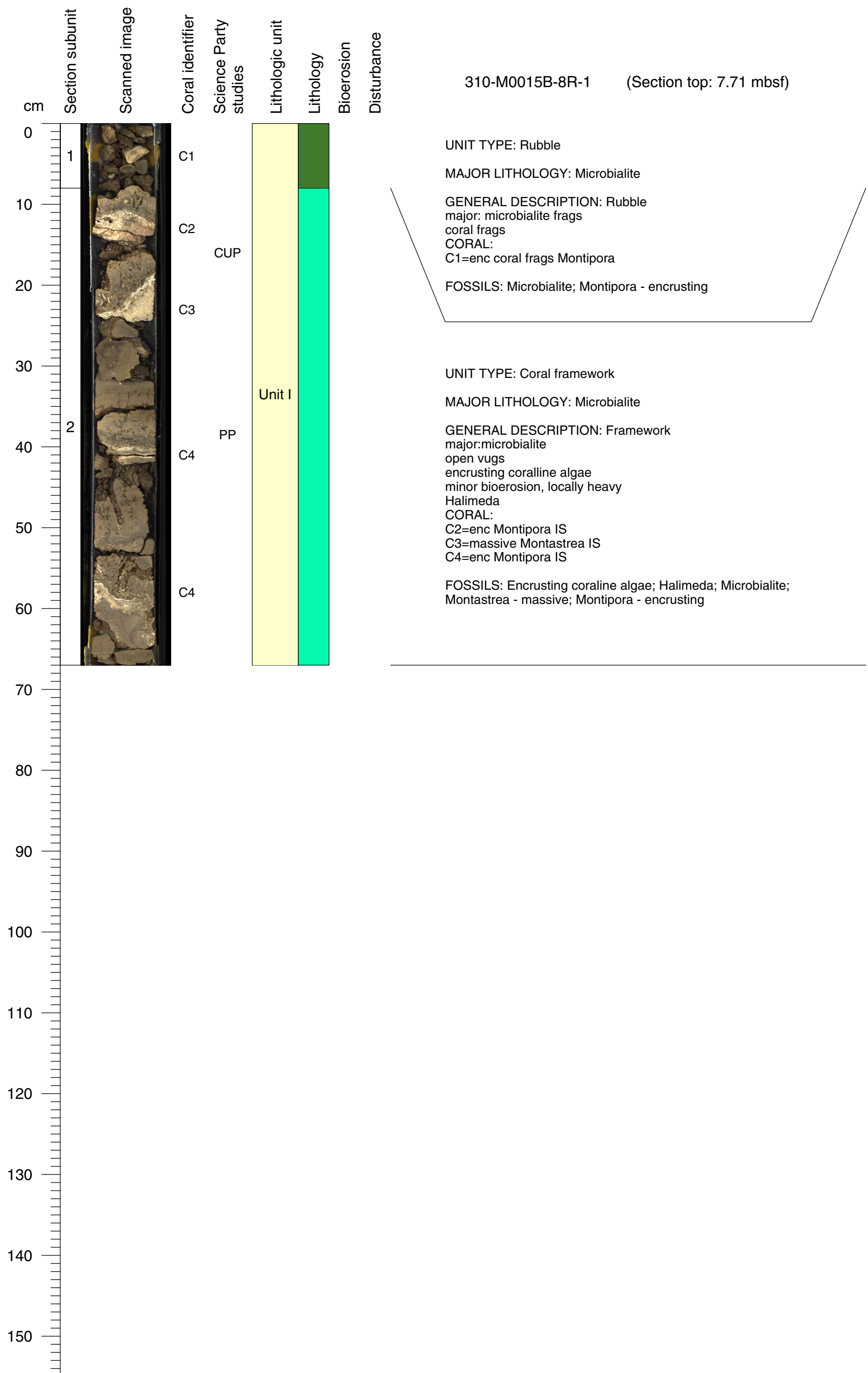
**Core Photo**



Core Photo

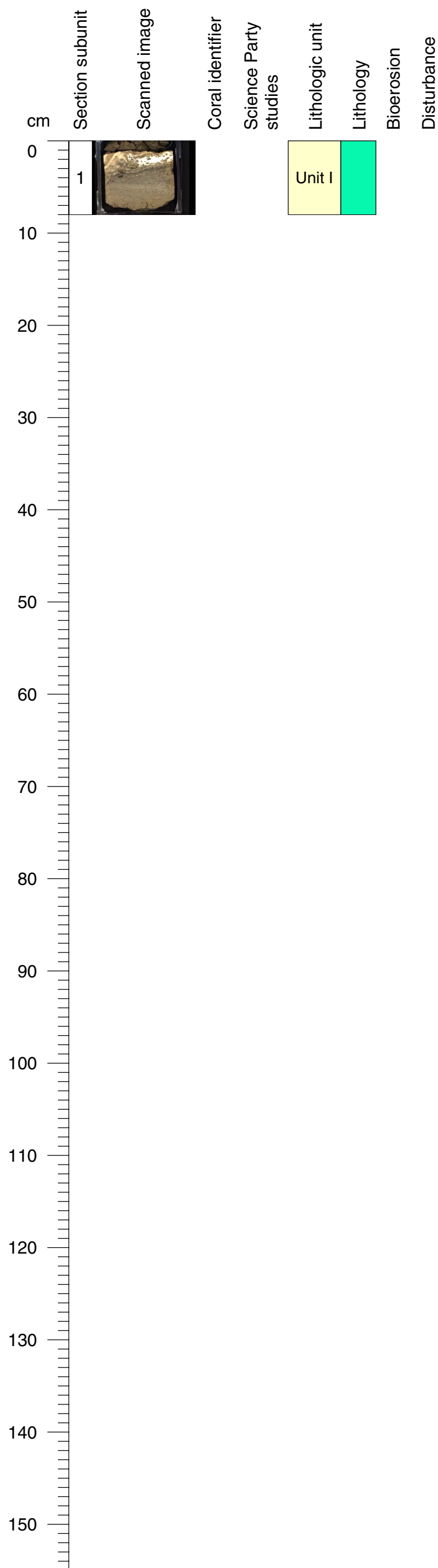


Core Photo





**Core Photo**



310-M0015B-8R-2 (Section top: 8.38 mbsf)

UNIT TYPE: Coral framework

MAJOR LITHOLOGY: Microbialite

GENERAL DESCRIPTION: Framework  
 major: lamina microbialite  
 encrusting coralline algae 1cm thick total = individual layer  
 moderate bioerosion  
 NOTE: upside down geopetals

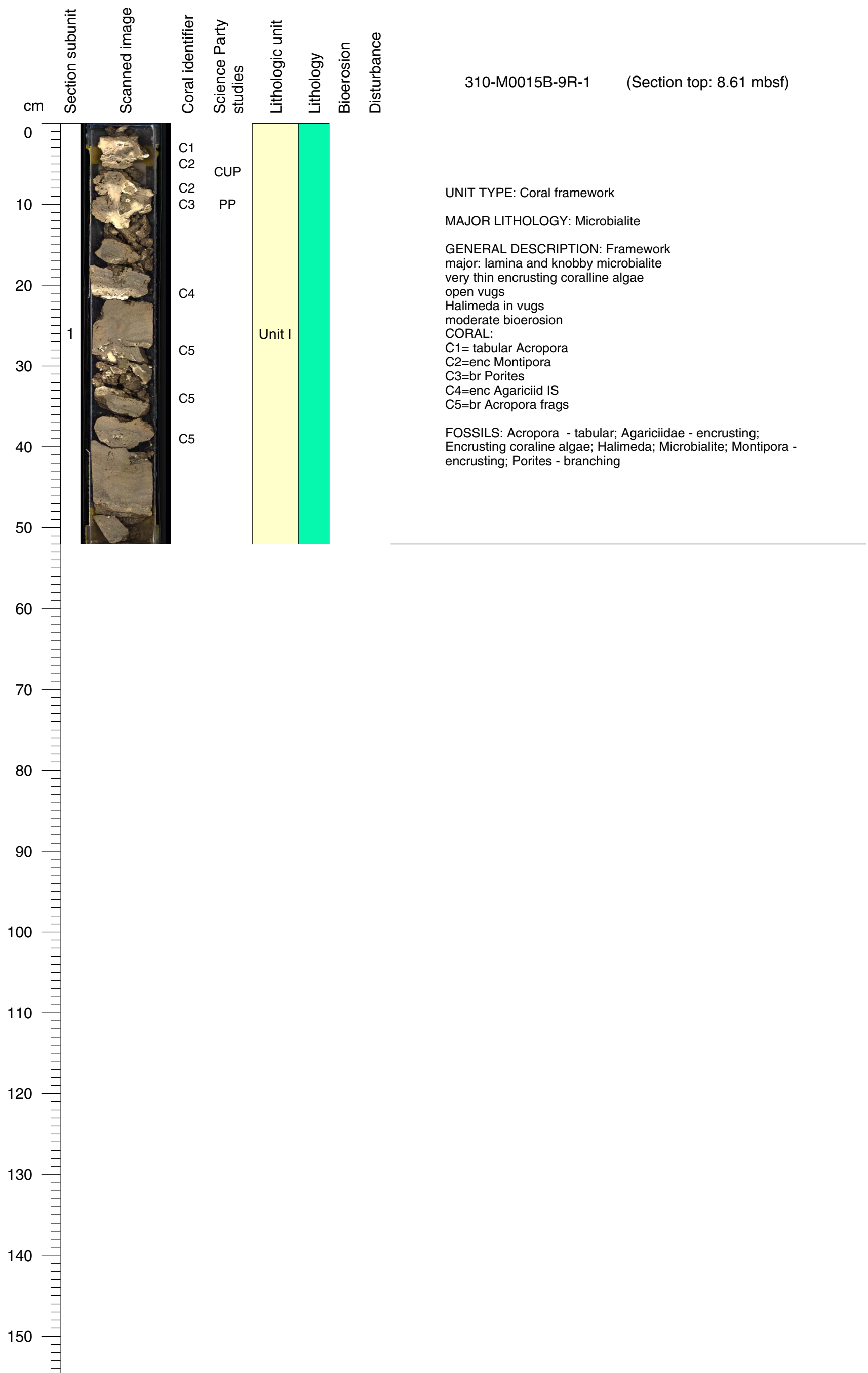
CORAL  
 C1=tabular Acropora

FOSSILS: Acroporidae - tabular; Encrusting coralline algae; Microbialite

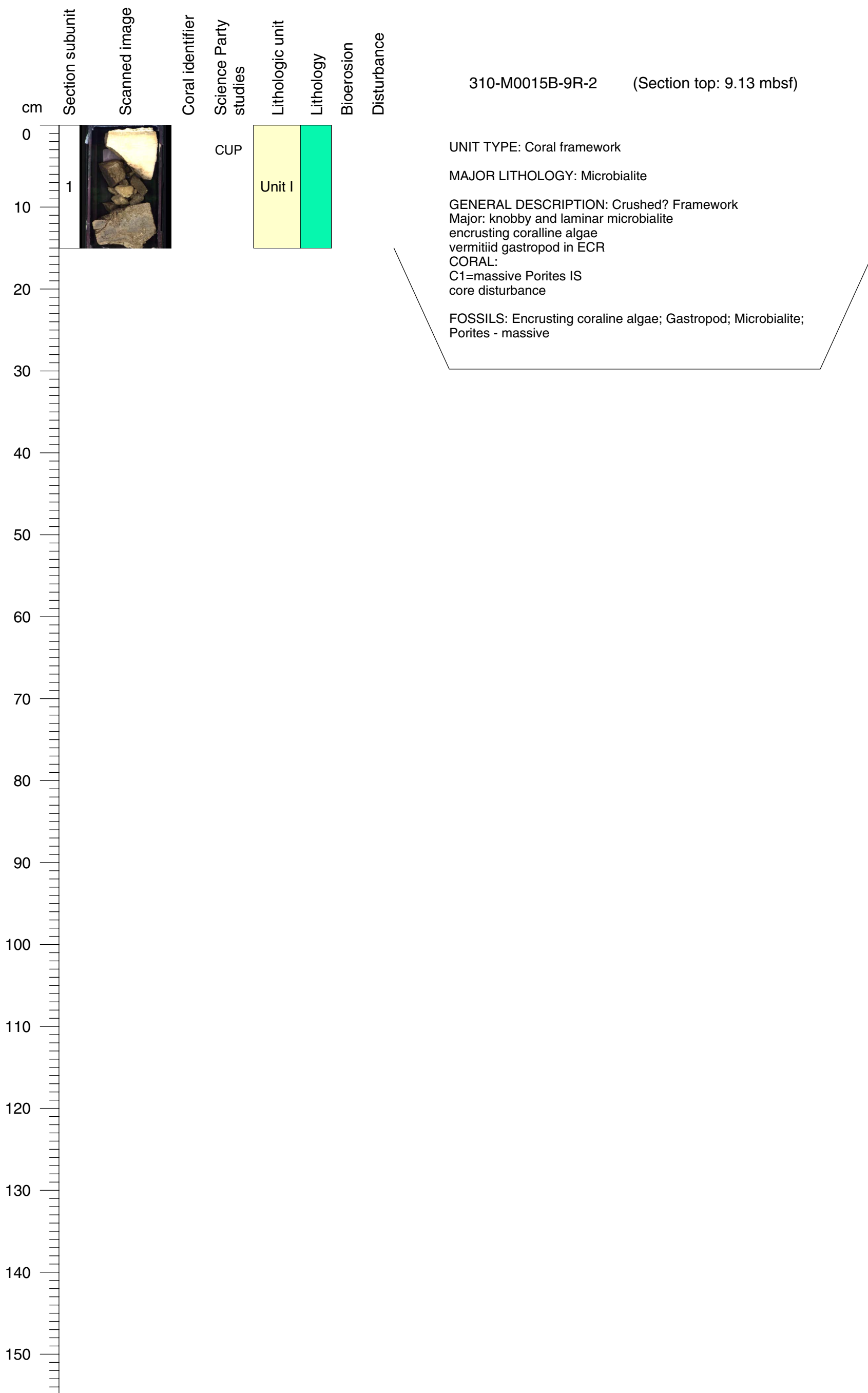


Core Photo

310-M0015B-9R-1 (Section top: 8.61 mbsf)

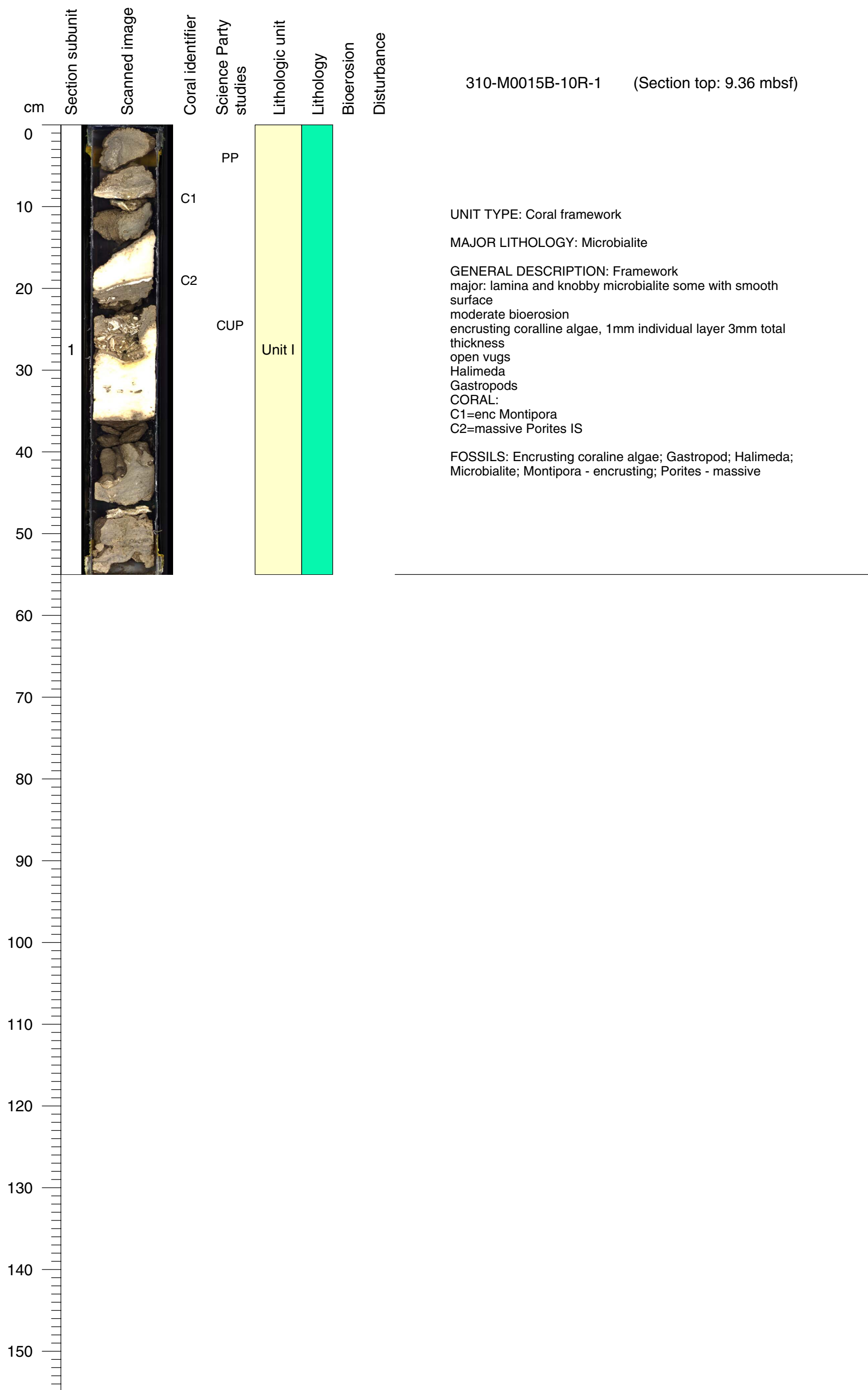


Core Photo

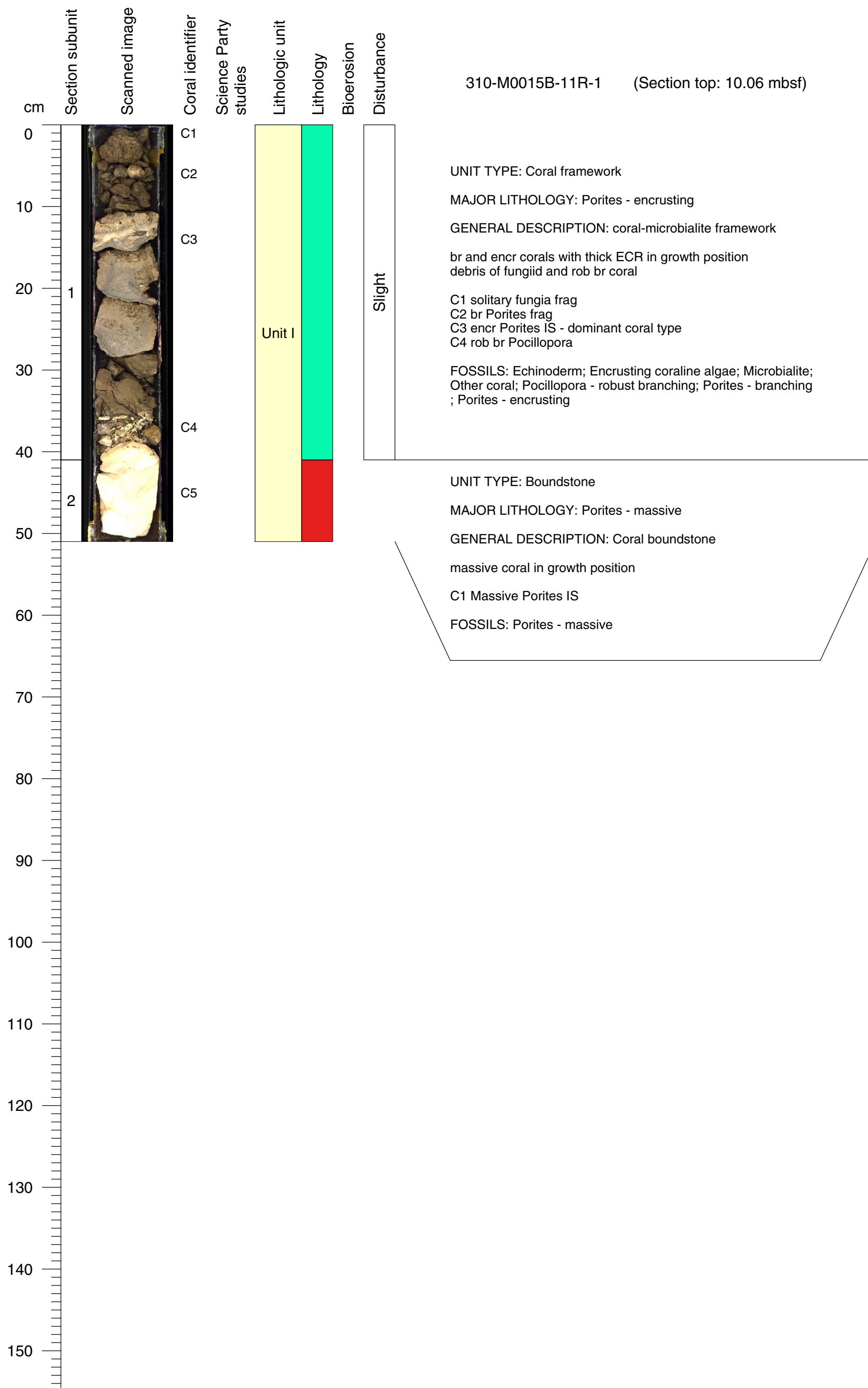


Core Photo

310-M0015B-10R-1 (Section top: 9.36 mbsf)

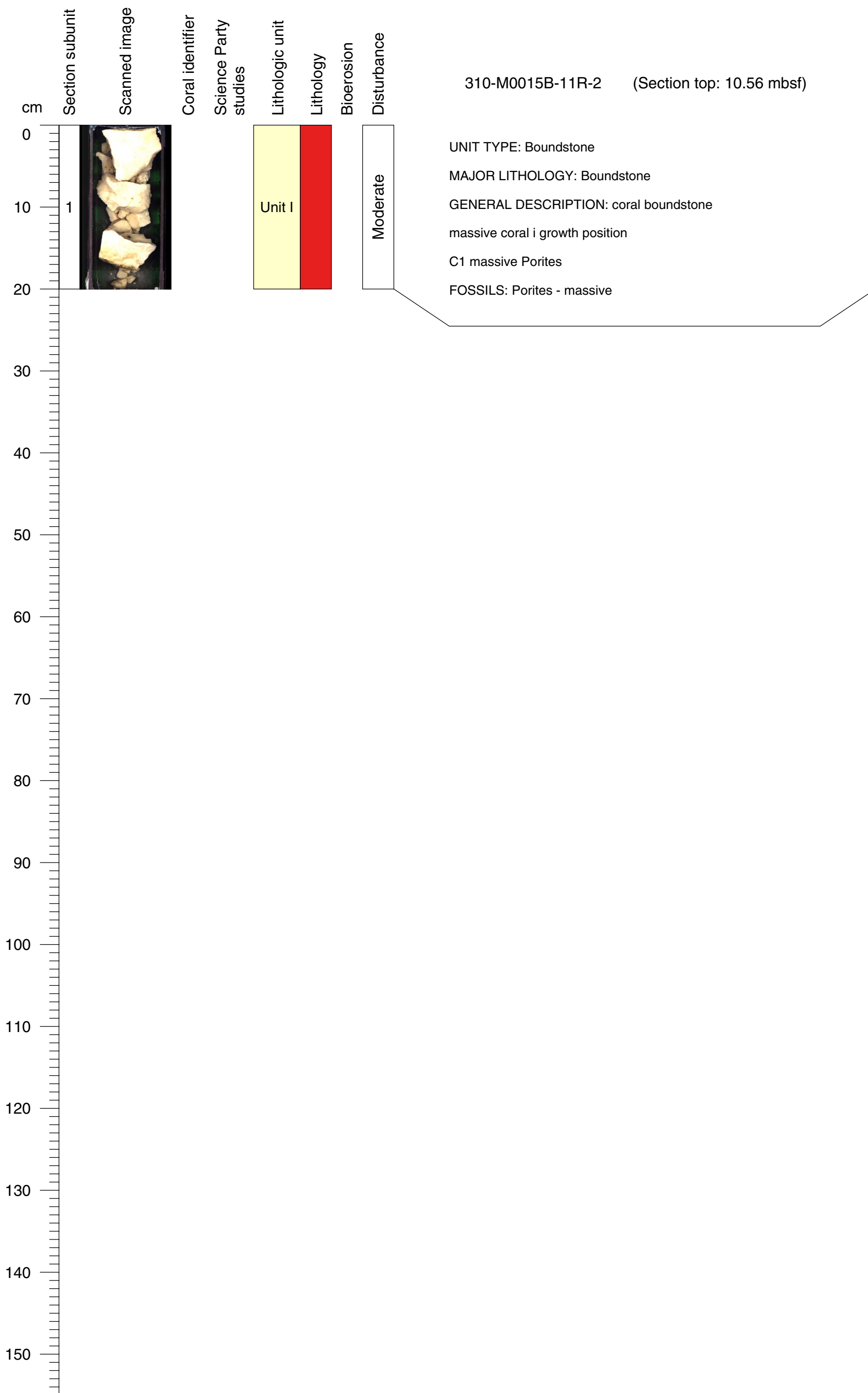


Core Photo



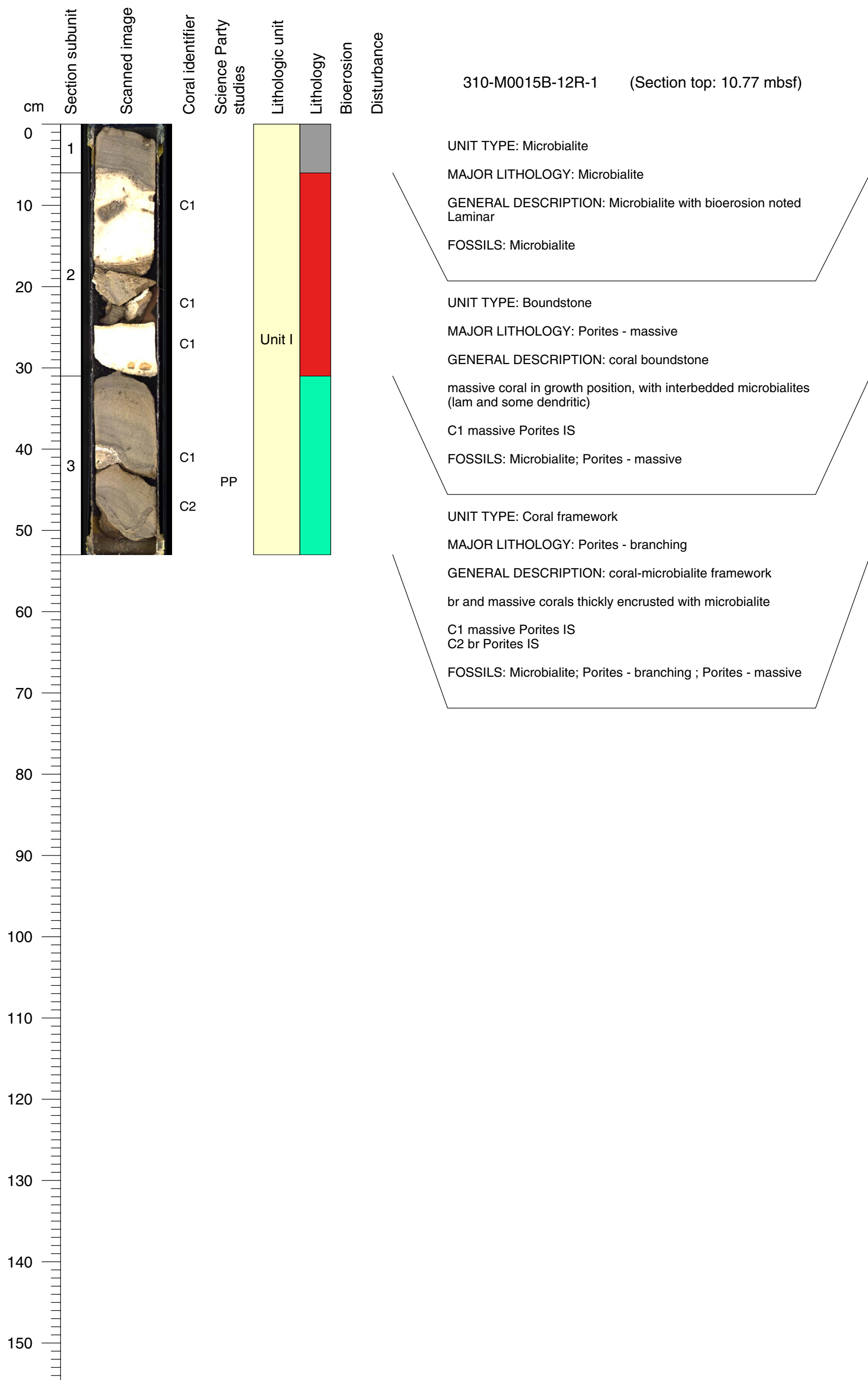
**Core Photo**

310-M0015B-11R-2 (Section top: 10.56 mbsf)

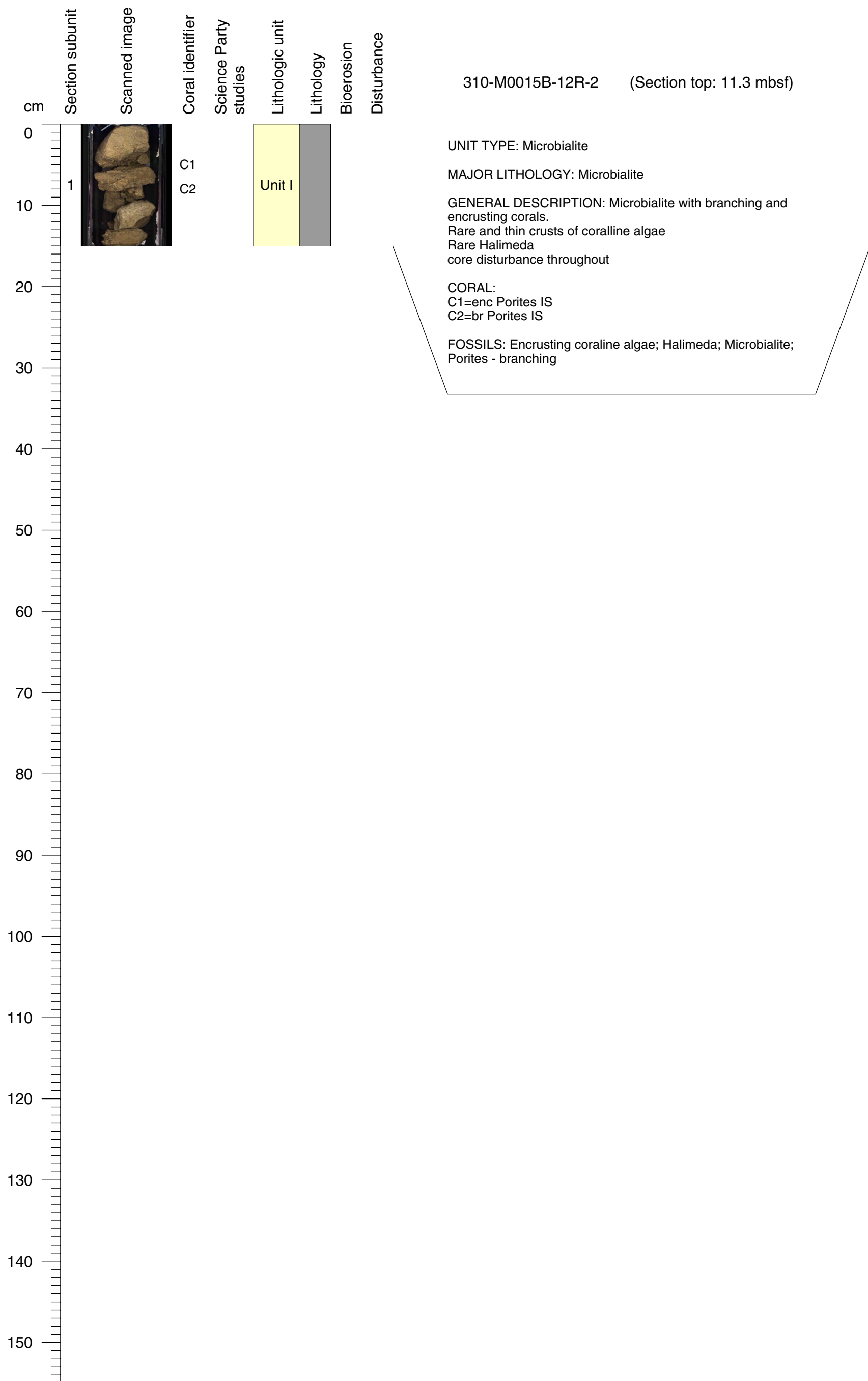


Core Photo

310-M0015B-12R-1 (Section top: 10.77 mbsf)



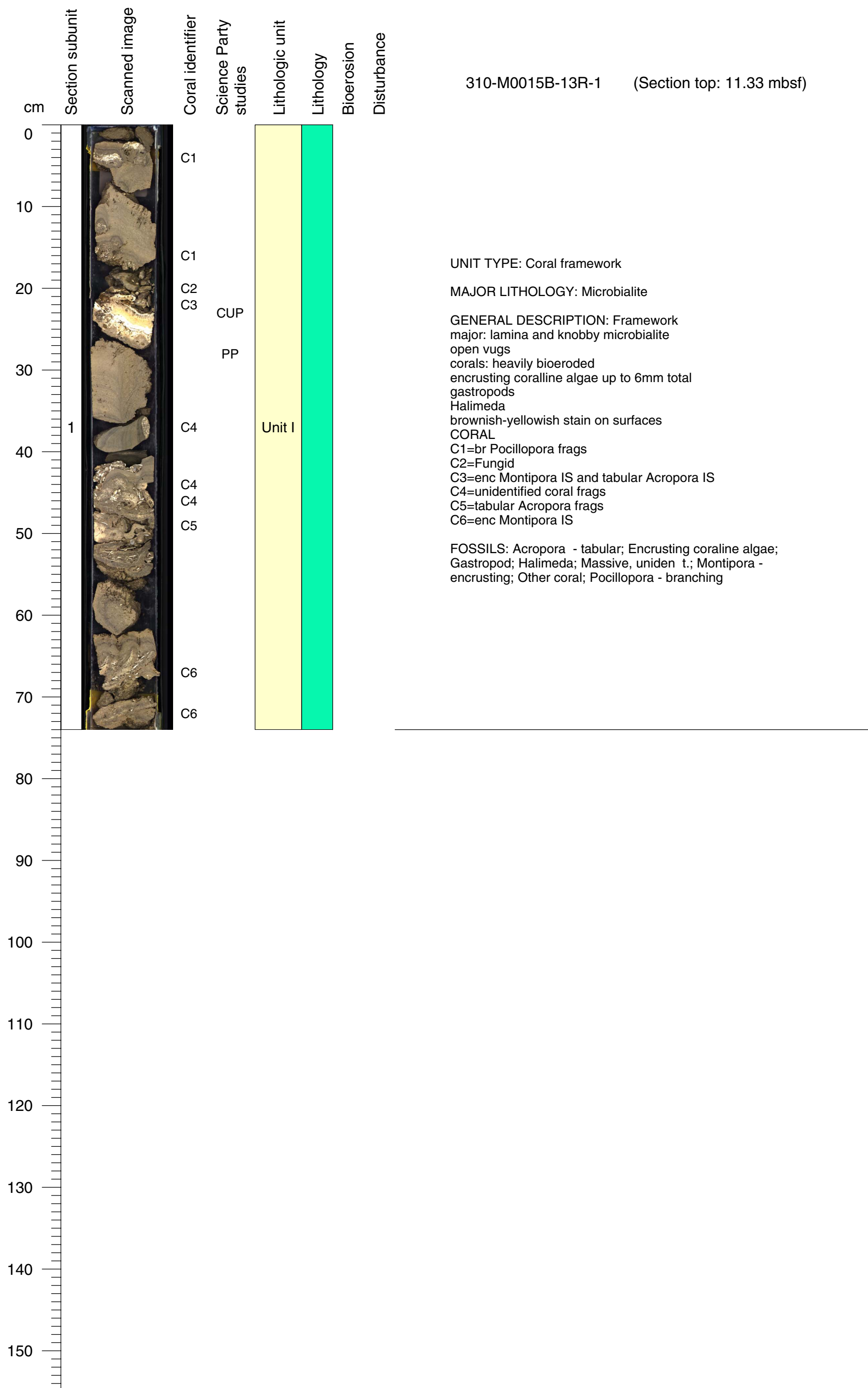
**Core Photo**



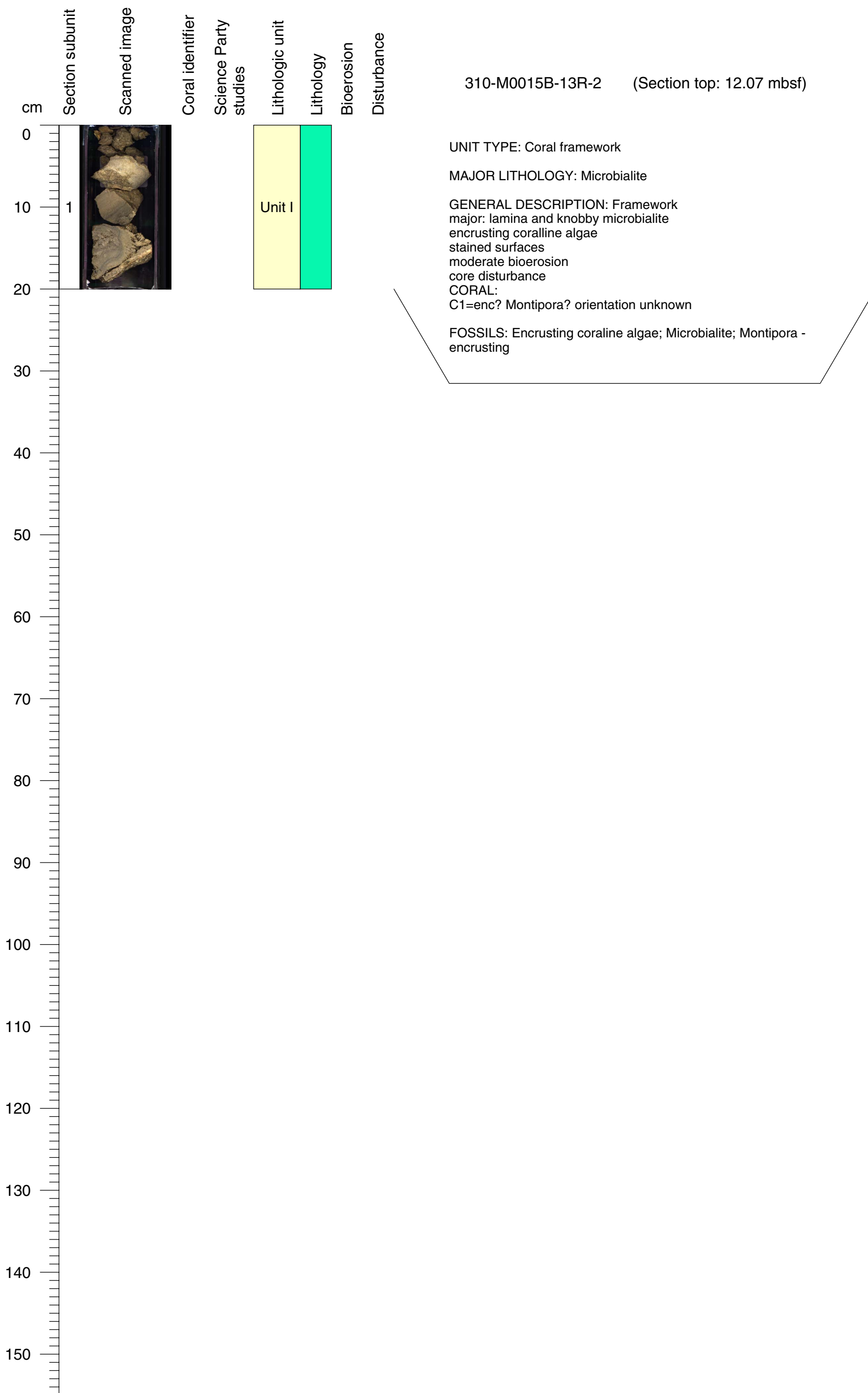


Core Photo

310-M0015B-13R-1 (Section top: 11.33 mbsf)

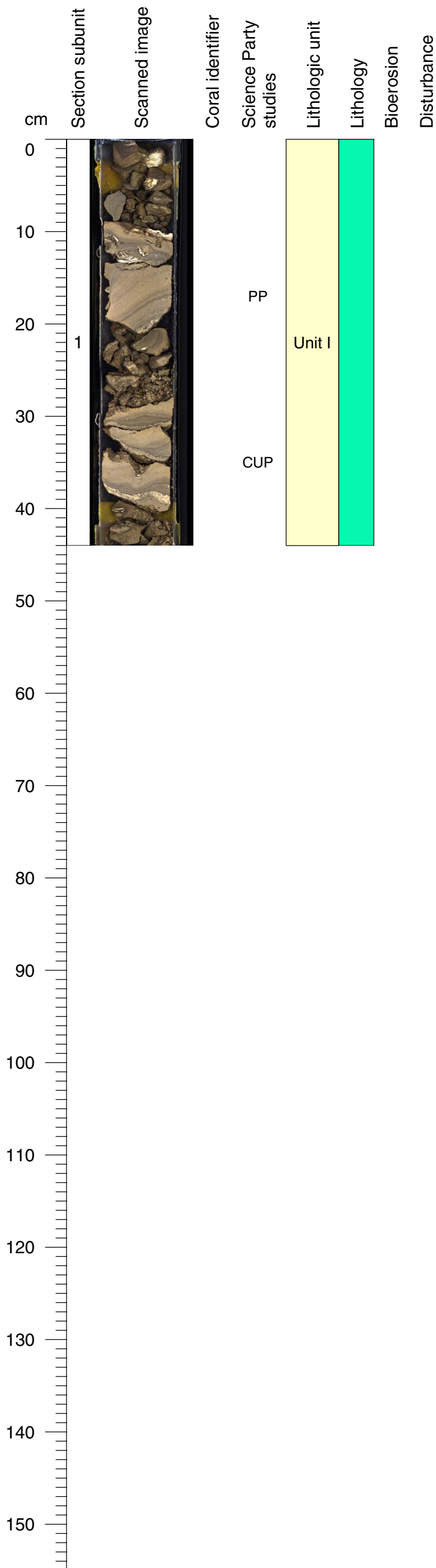


**Core Photo**



**Core Photo**

310-M0015B-14R-1 (Section top: 12.74 mbsf)



UNIT TYPE: Coral framework

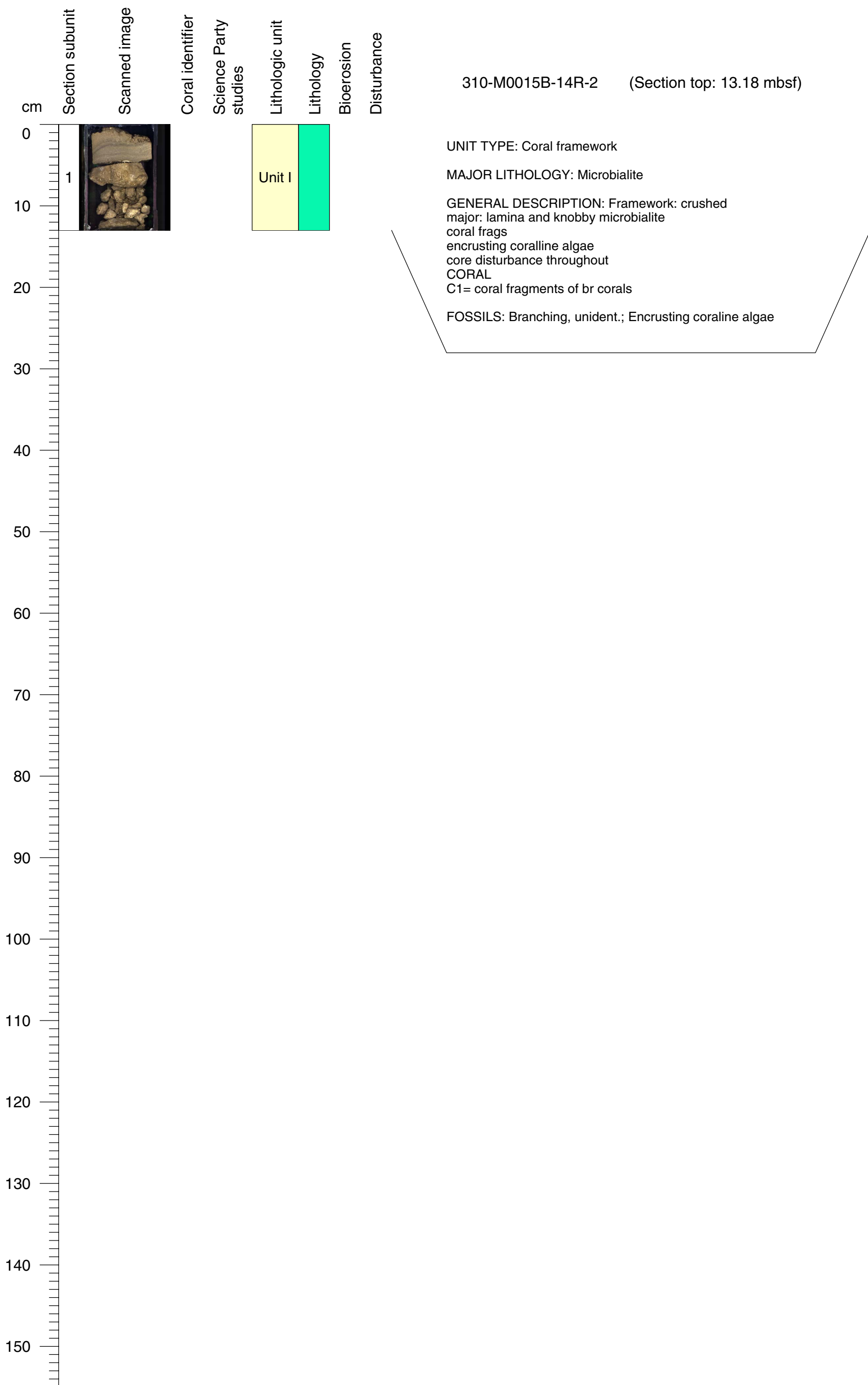
MAJOR LITHOLOGY: Microbialite

GENERAL DESCRIPTION: Framework crushed  
 Major: mostly lamina microbialite, some knobby  
 encrusting coralline algae  
 coral: heavy bioerosion  
 open vugs  
 Halimeda  
 core disturbance throughout  
 CORAL  
 C1=enc Montipora frags  
 C2=enc? foliaceous? Montipora IS

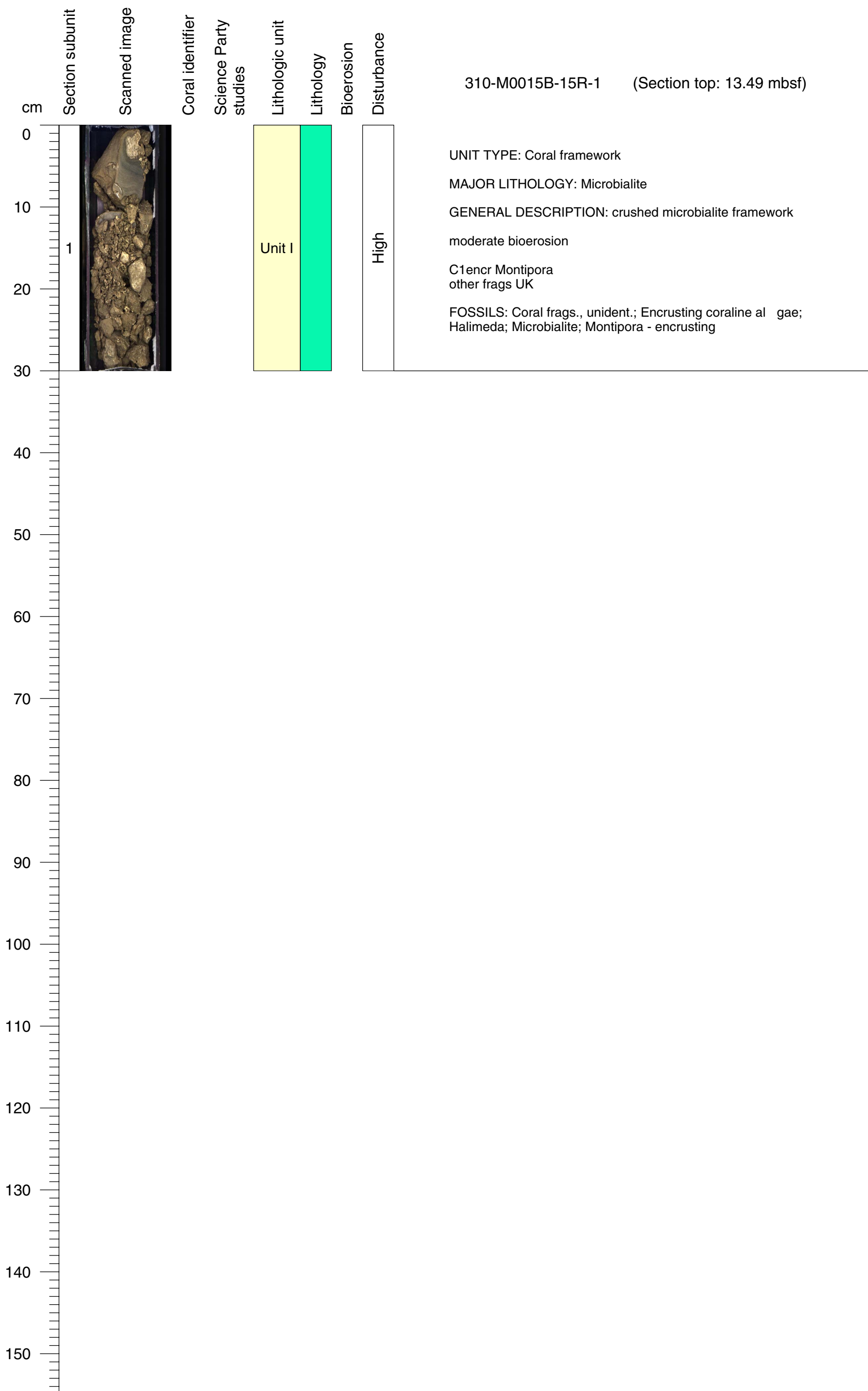
FOSSILS: Encrusting coralline algae; Halimeda; Microbialite;  
 Montipora - encrusting



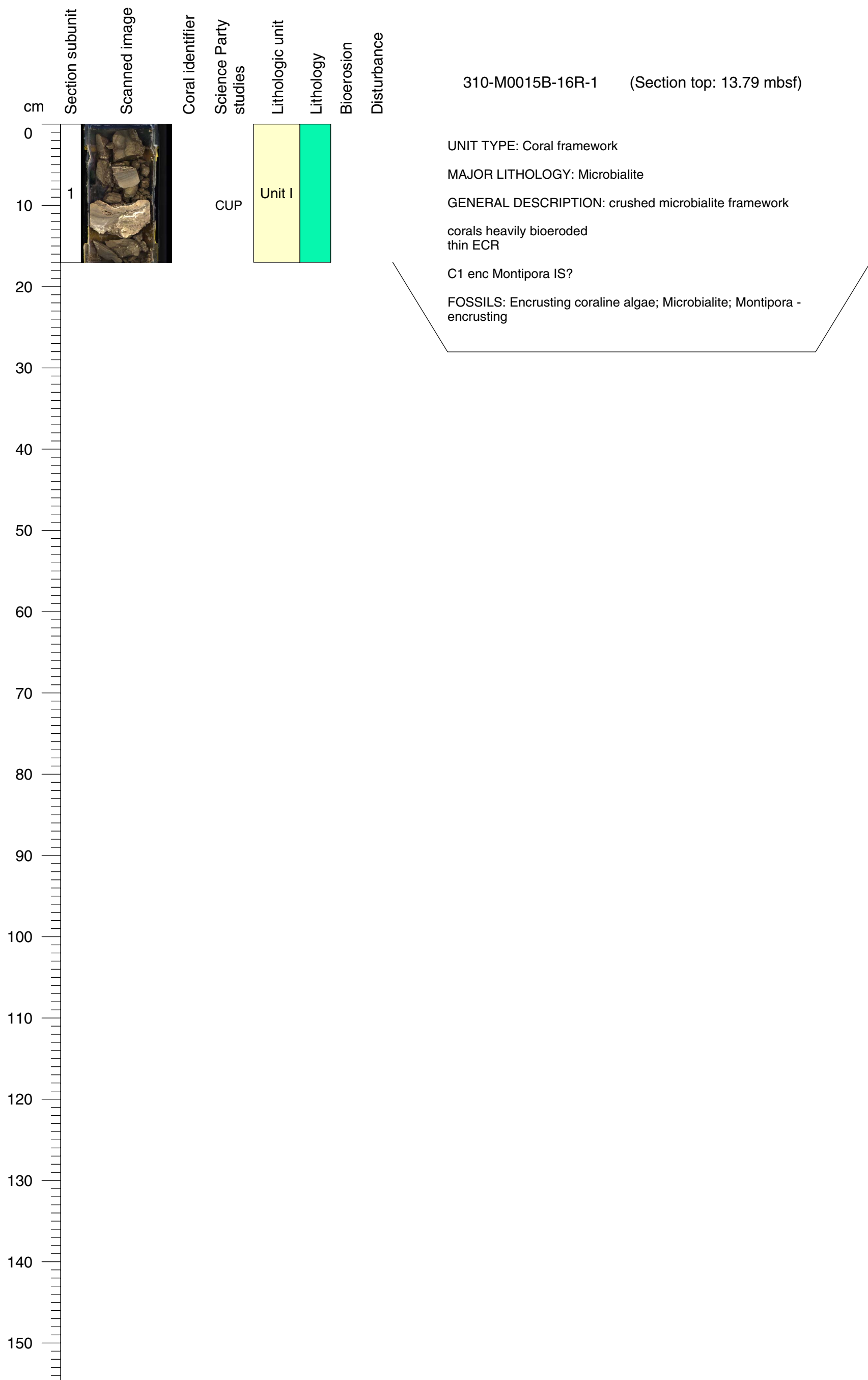
Core Photo



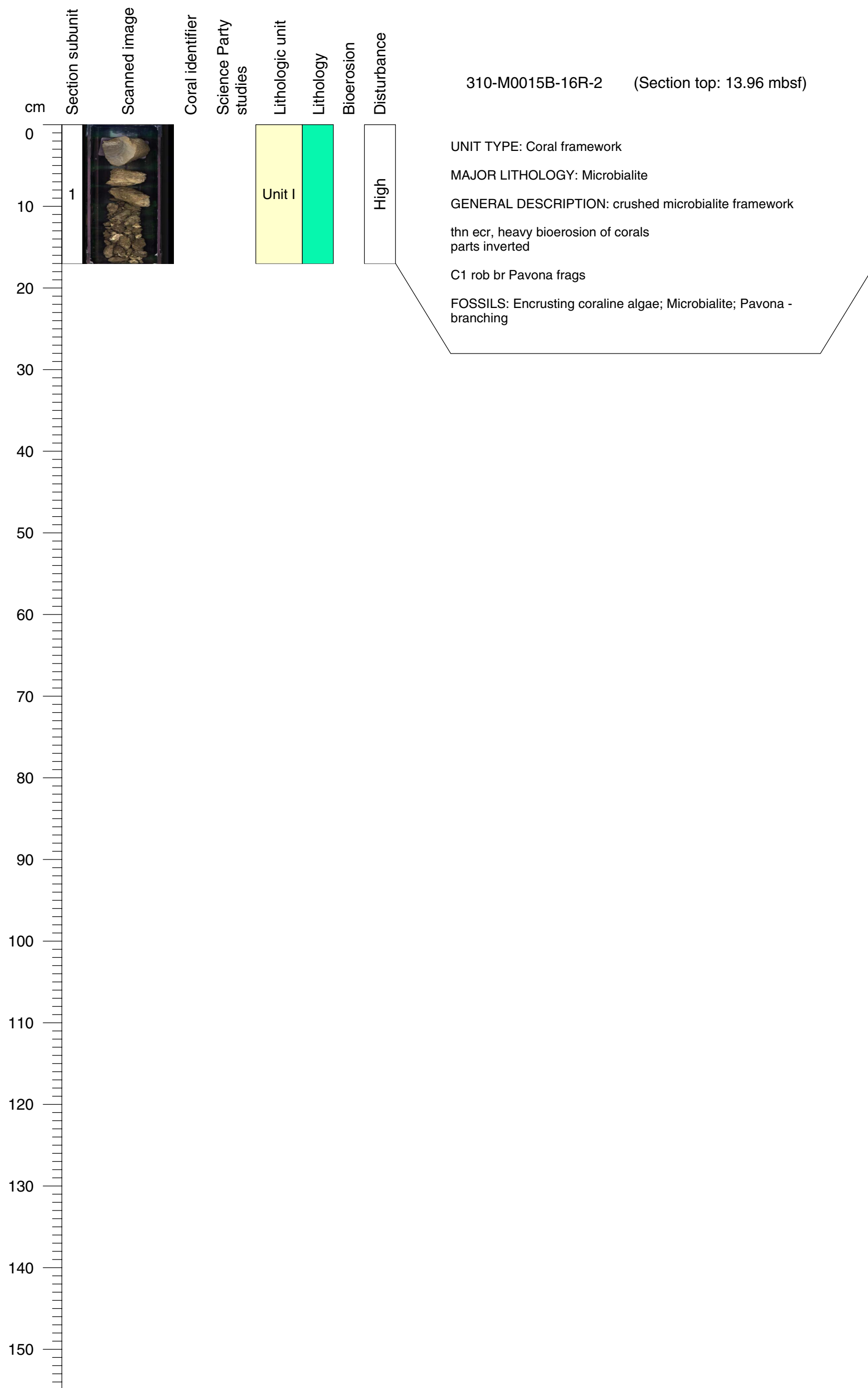
Core Photo



Core Photo

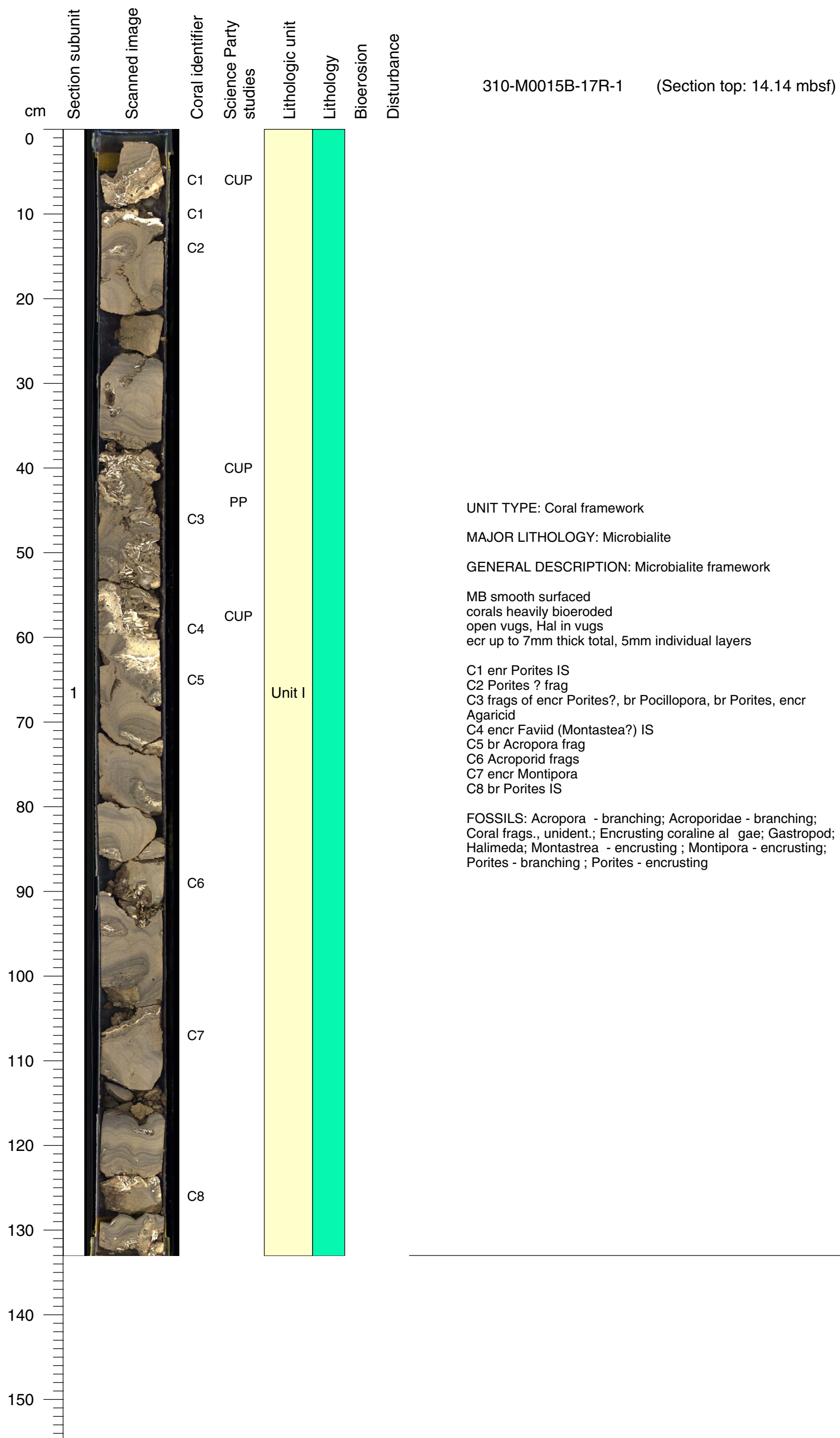


Core Photo



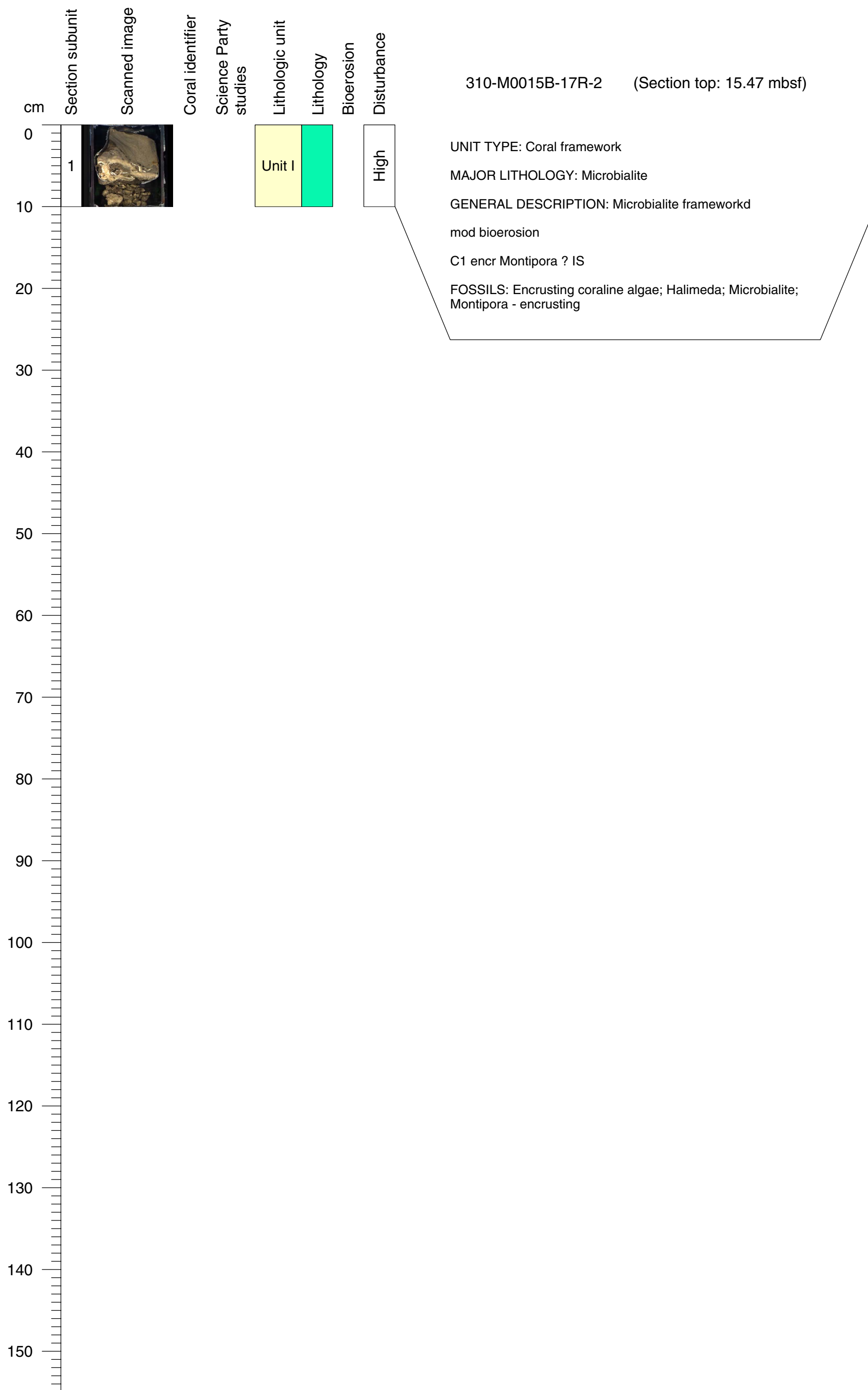
Core Photo

310-M0015B-17R-1 (Section top: 14.14 mbsf)



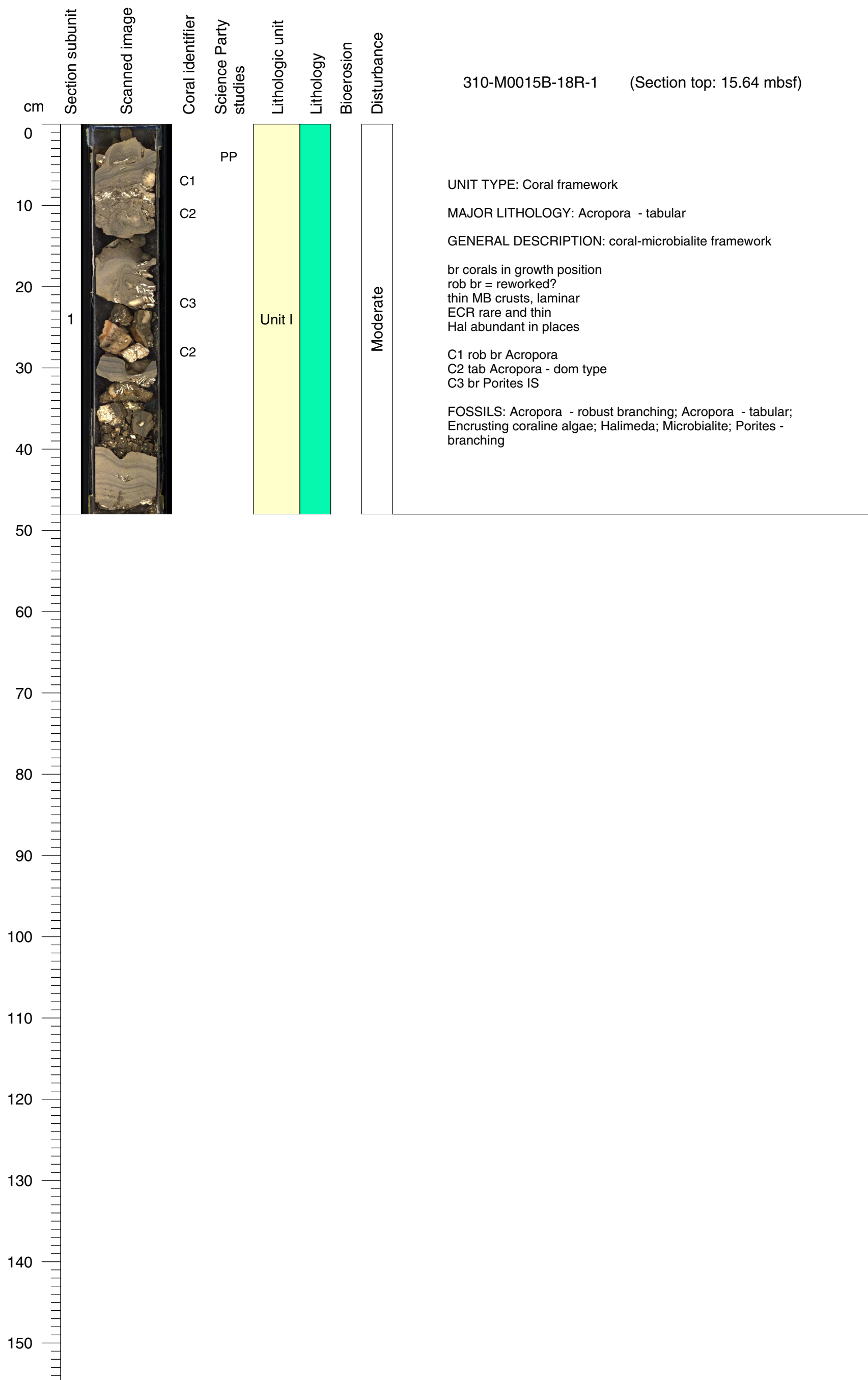


**Core Photo**

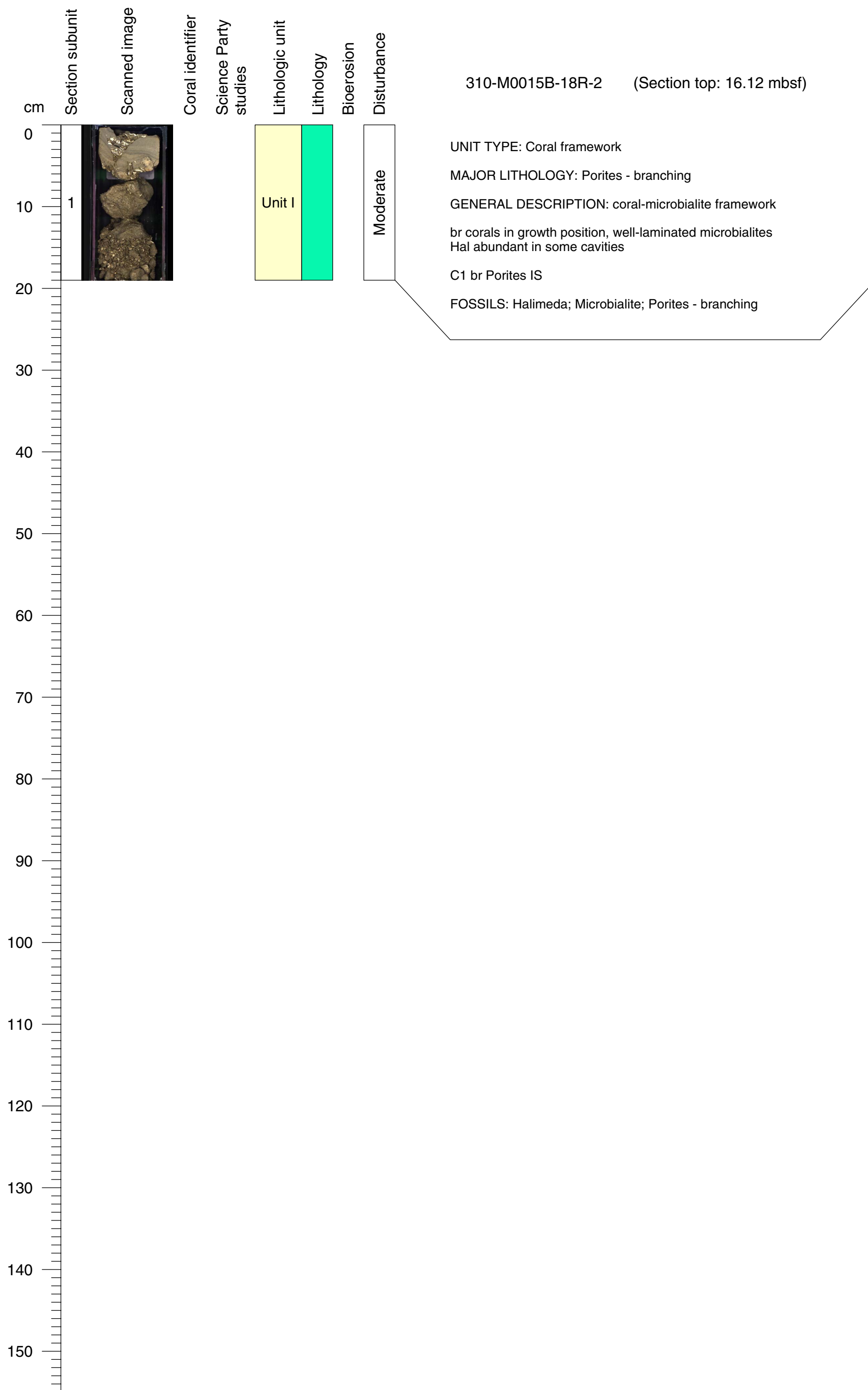


Core Photo

310-M0015B-18R-1 (Section top: 15.64 mbsf)

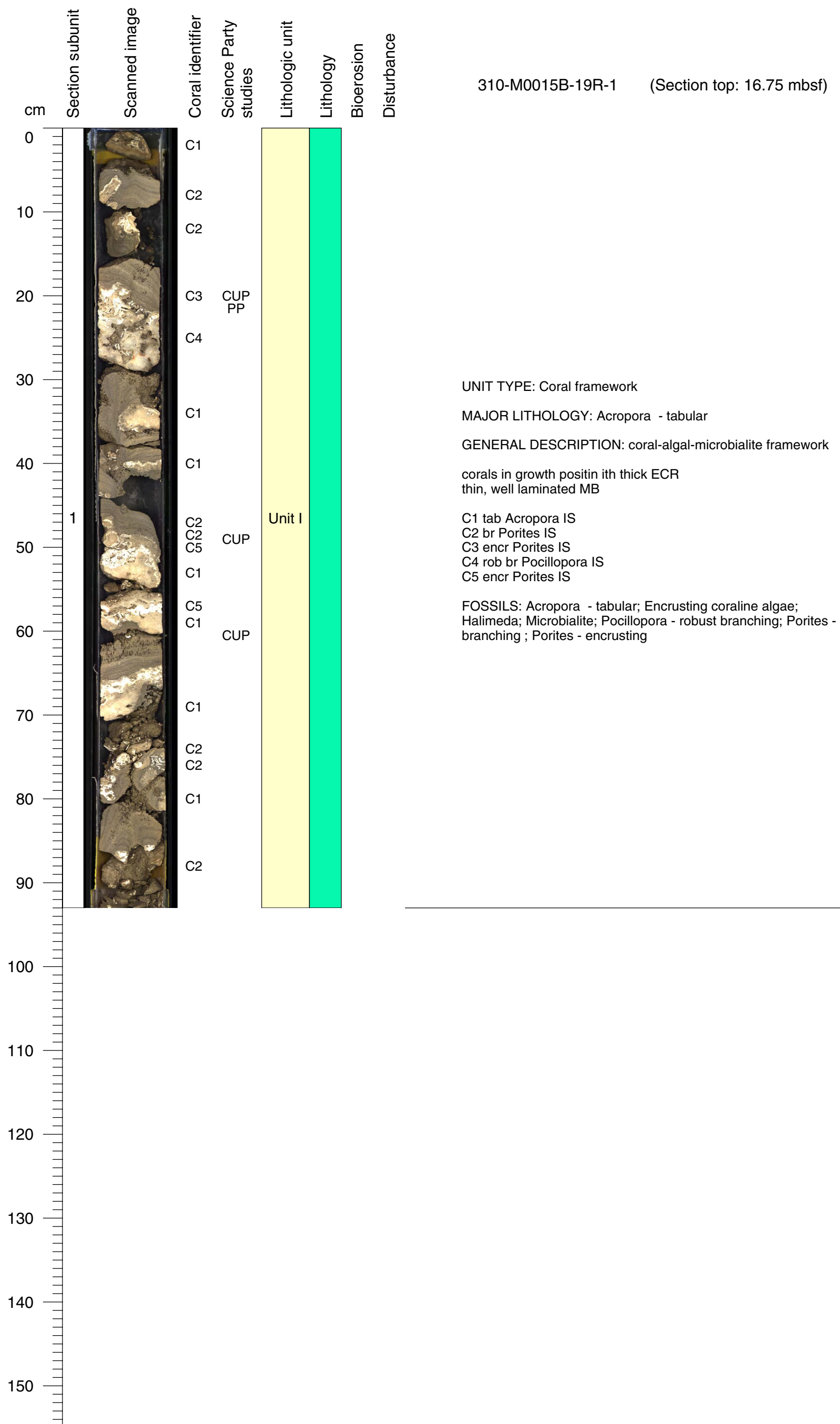


Core Photo

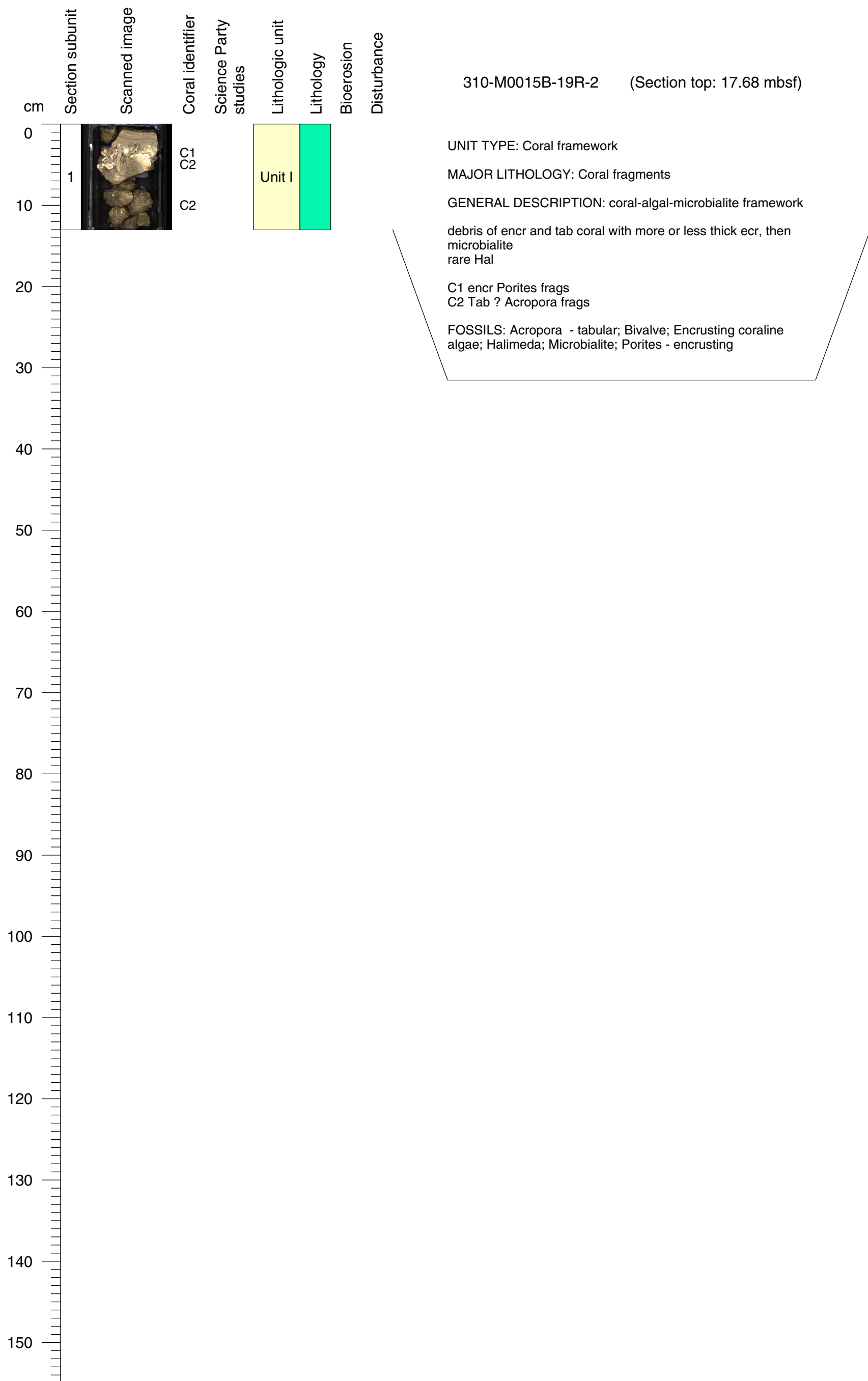


Core Photo

310-M0015B-19R-1 (Section top: 16.75 mbsf)

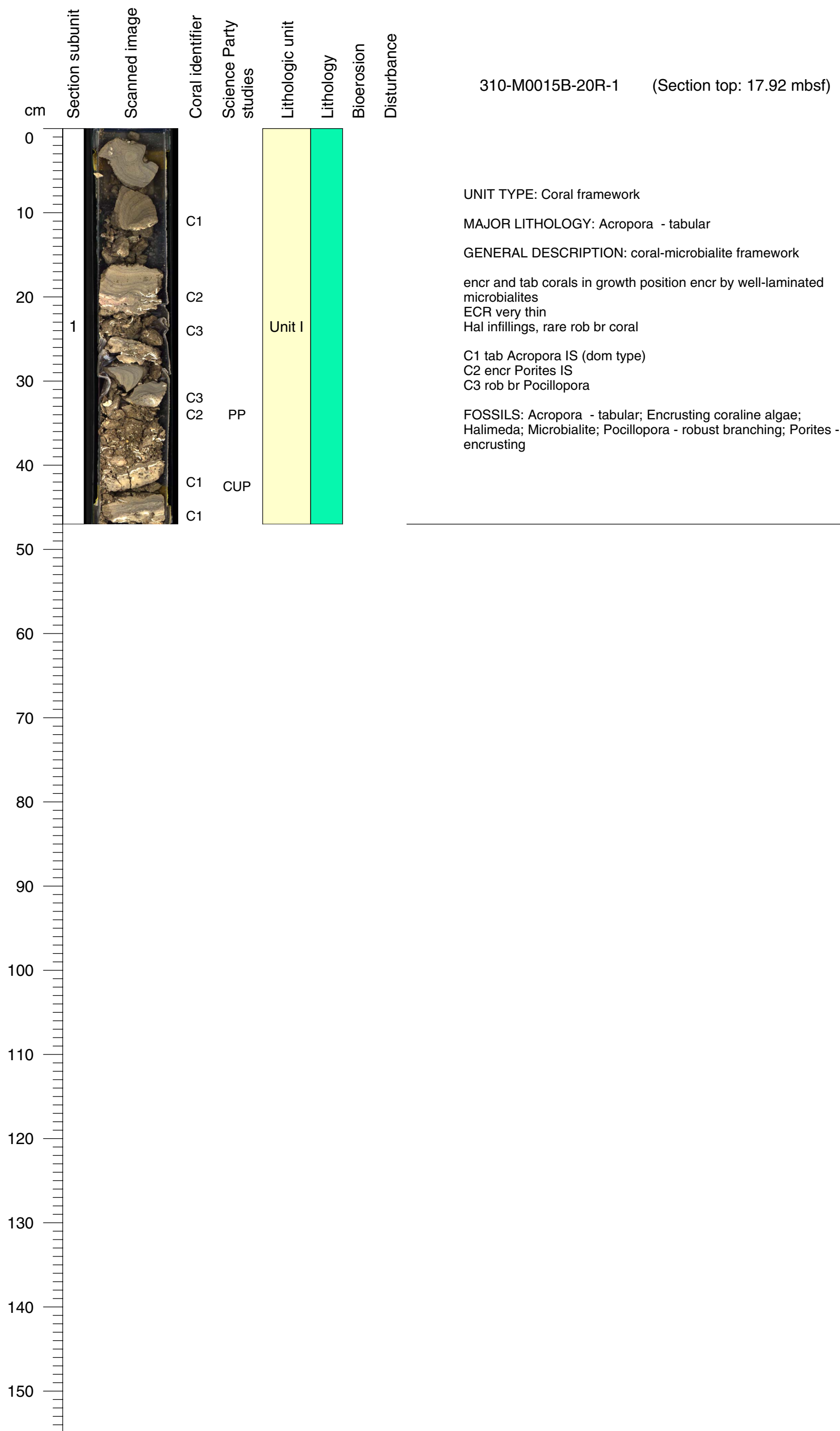


**Core Photo**



Core Photo

310-M0015B-20R-1 (Section top: 17.92 mbsf)

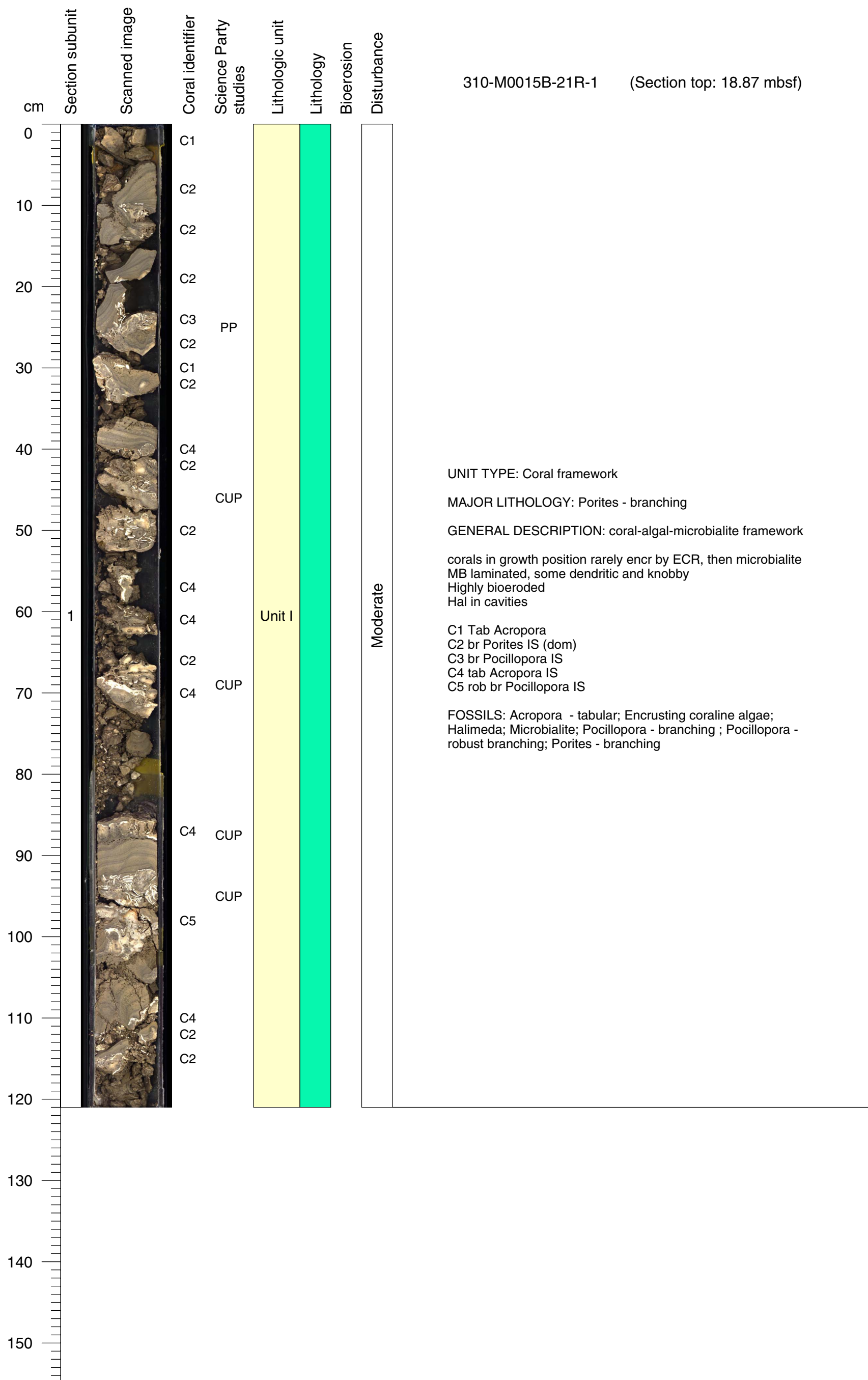


**Core Photo**



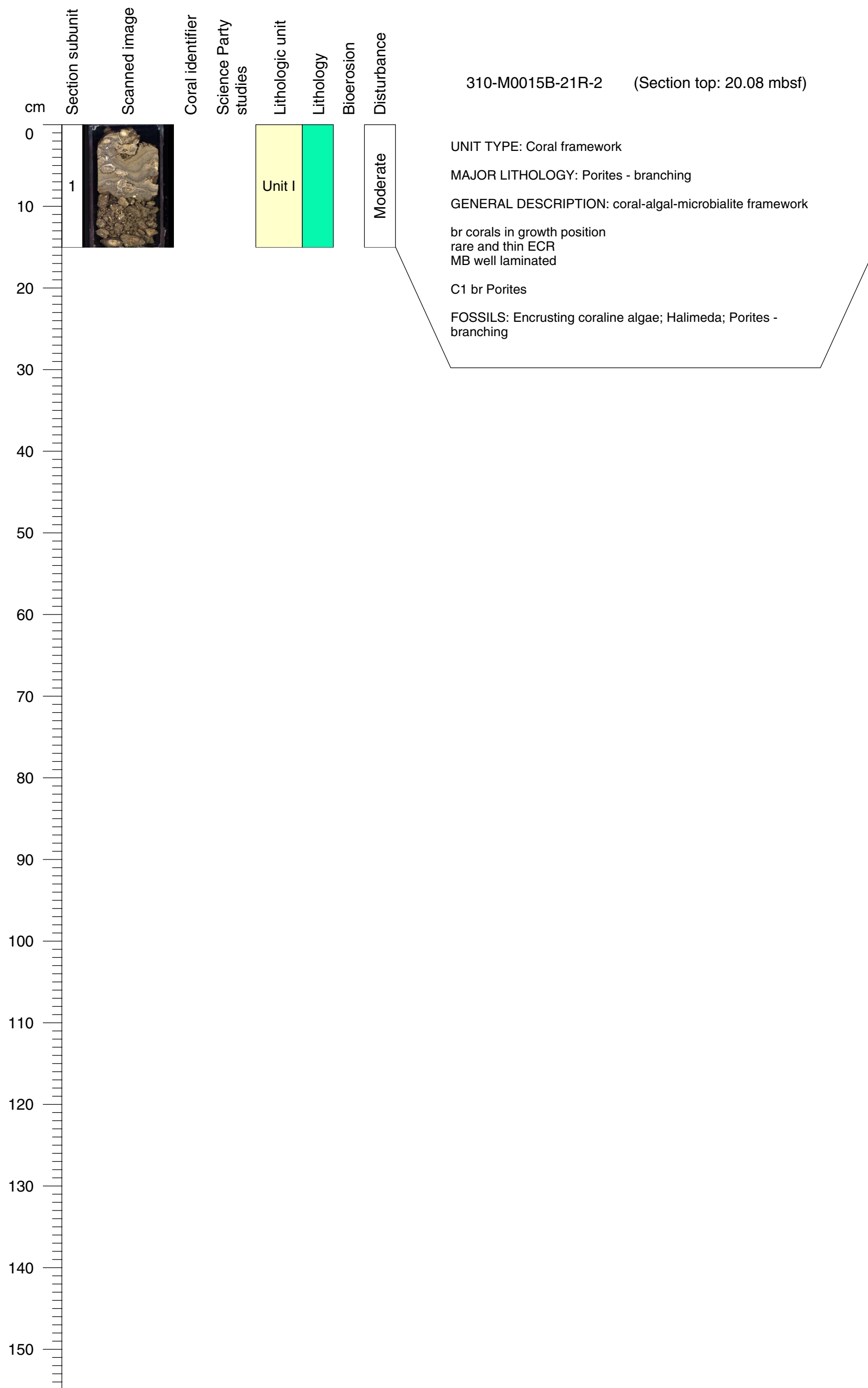
Core Photo

310-M0015B-21R-1 (Section top: 18.87 mbsf)

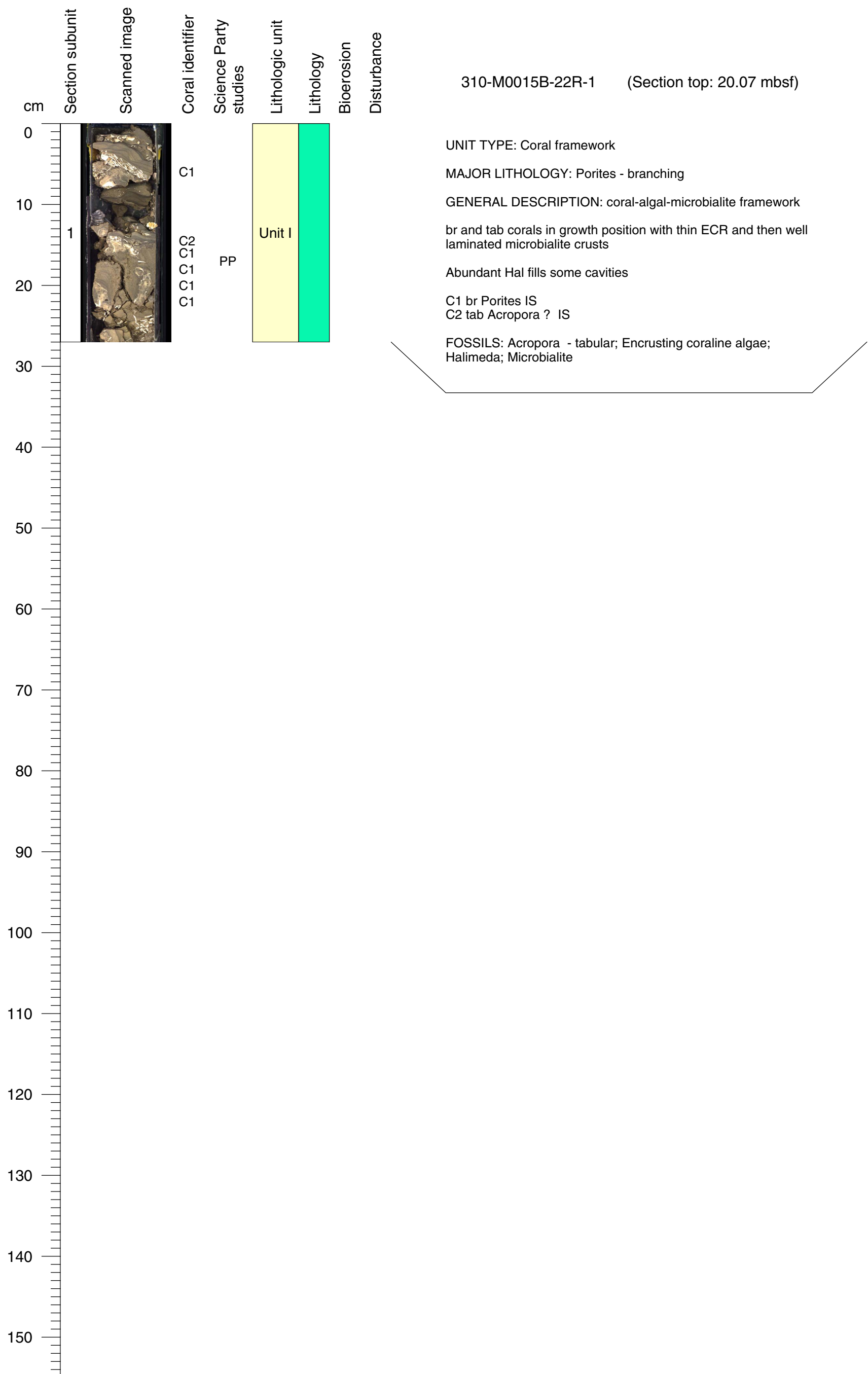




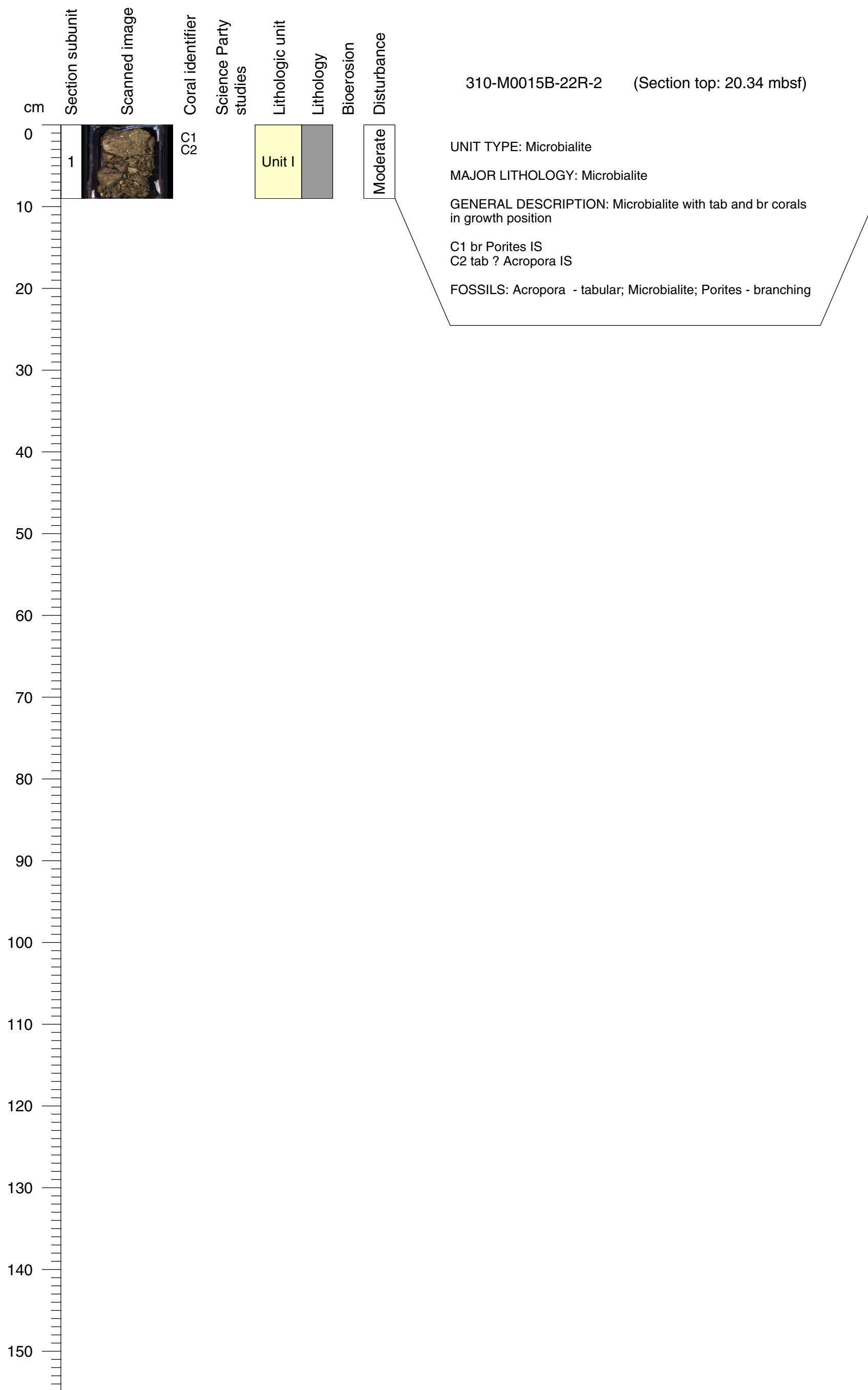
**Core Photo**



**Core Photo**

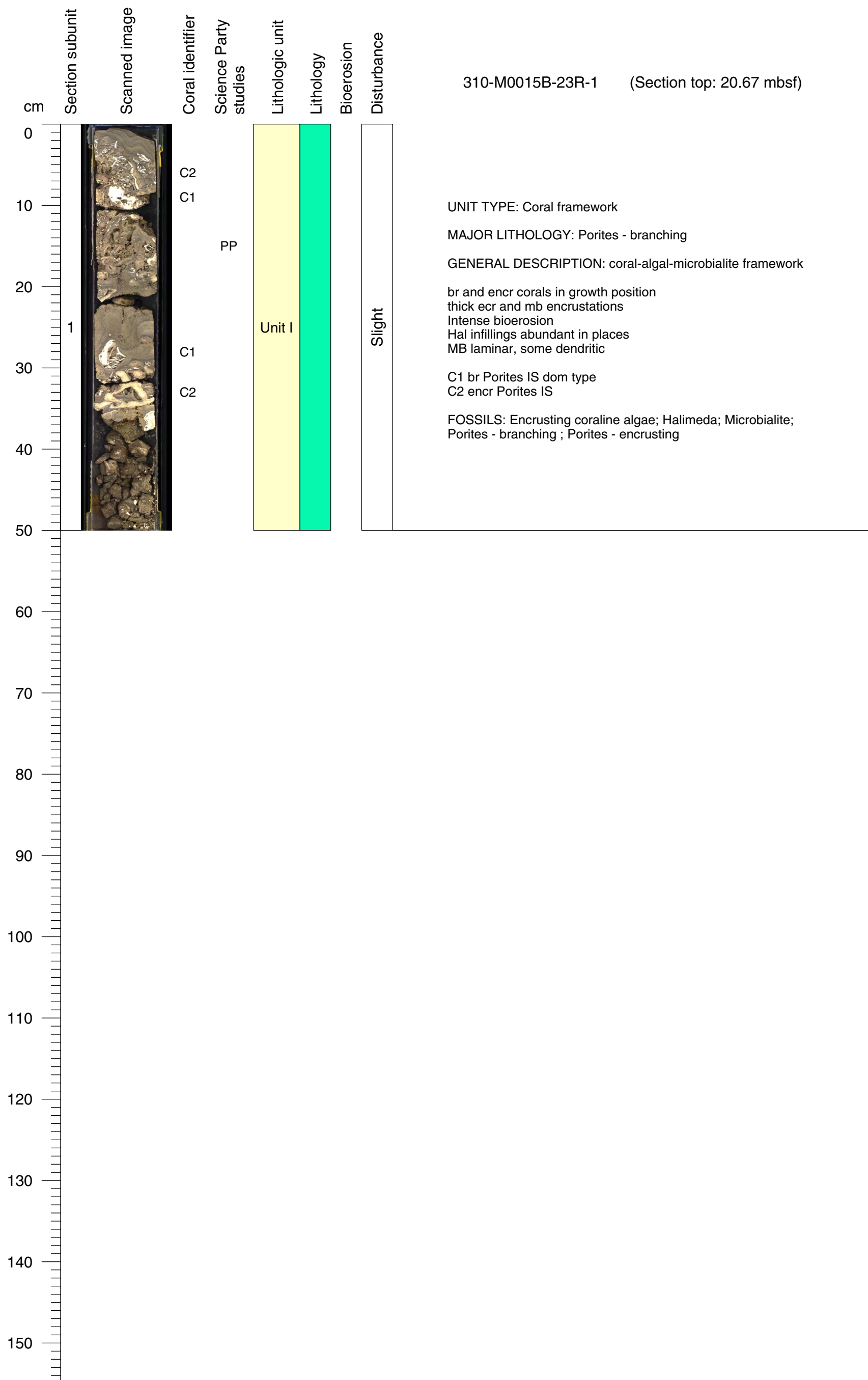


**Core Photo**



Core Photo

310-M0015B-23R-1 (Section top: 20.67 mbsf)

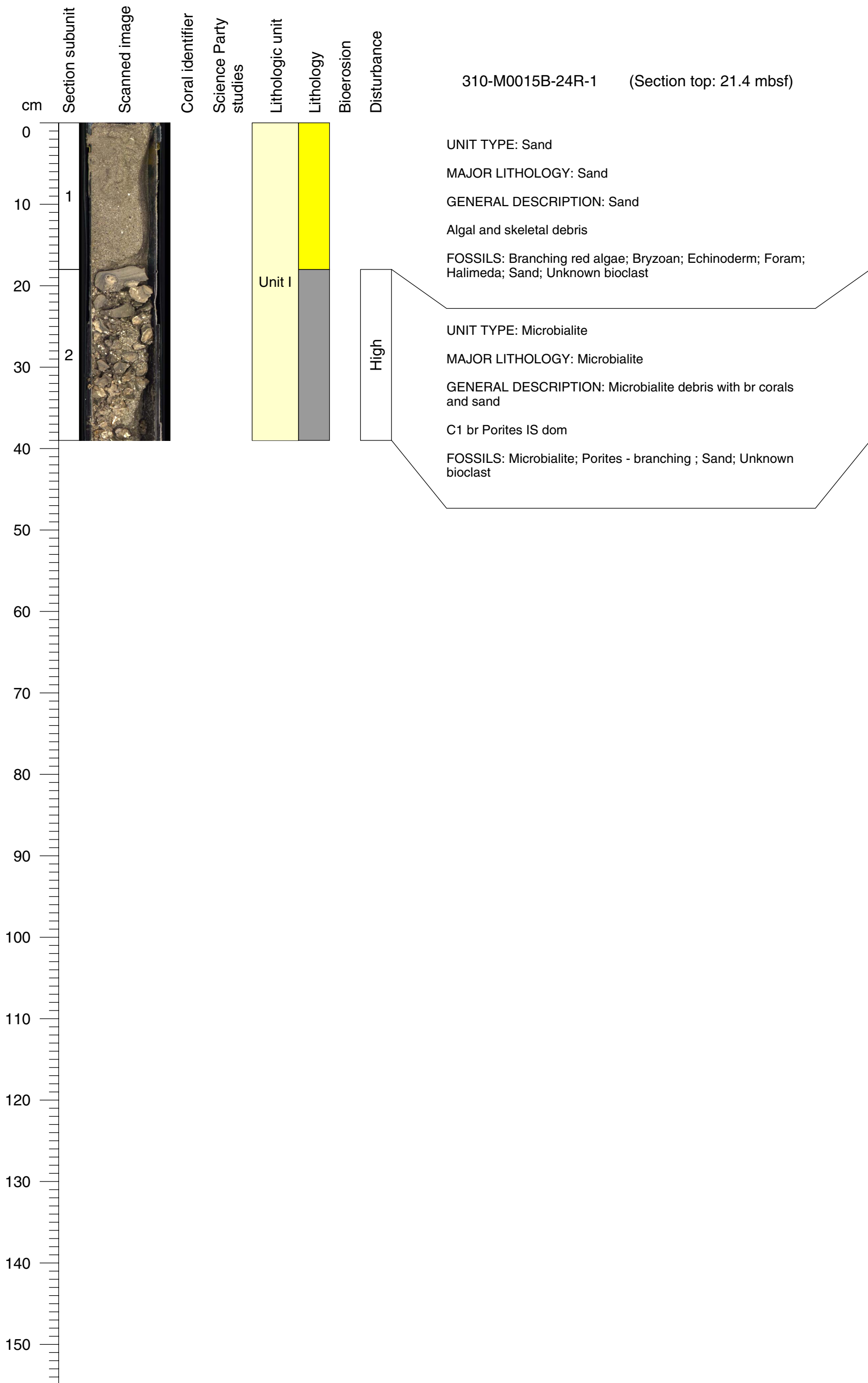


**Core Photo**

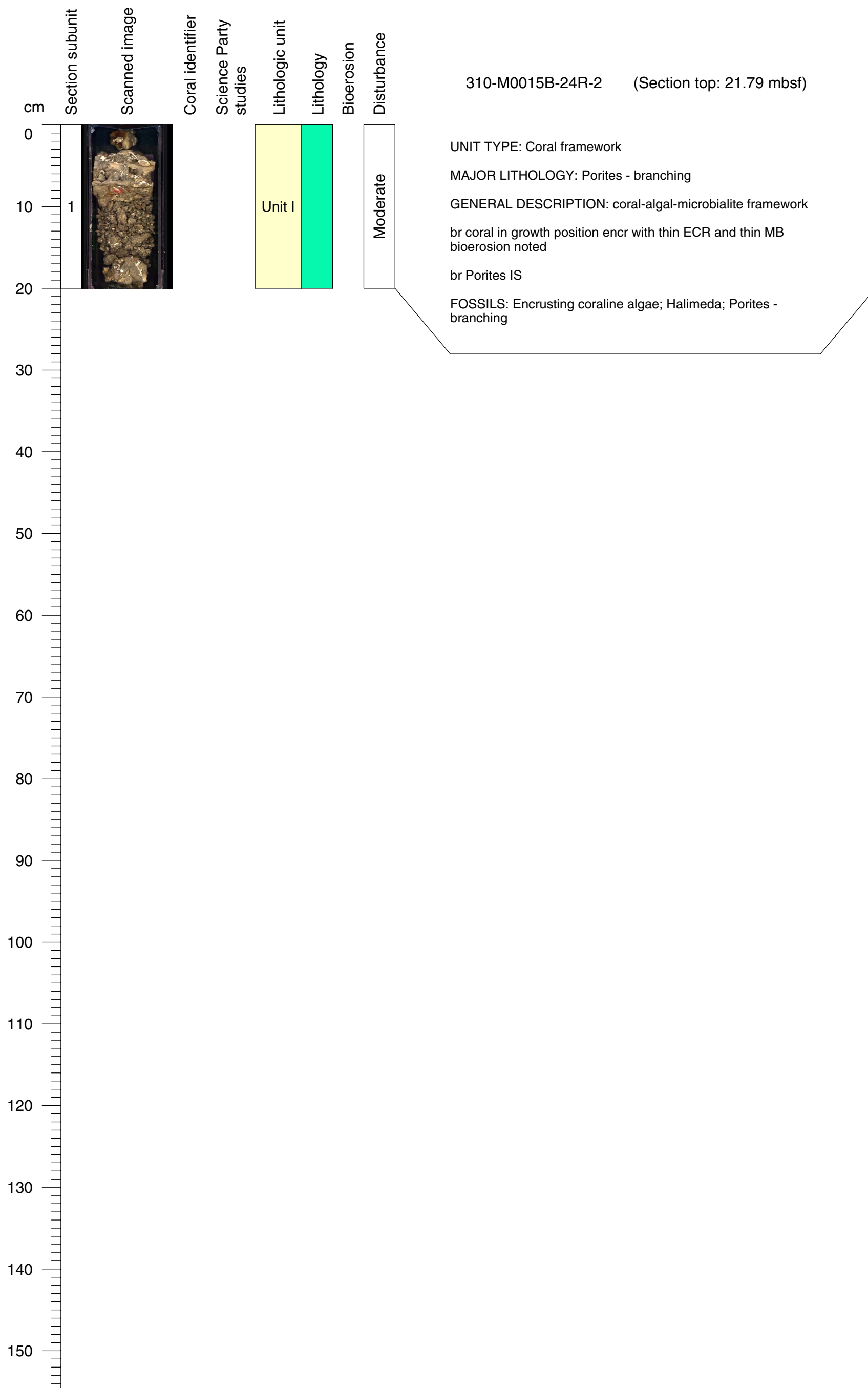


Core Photo

310-M0015B-24R-1 (Section top: 21.4 mbsf)

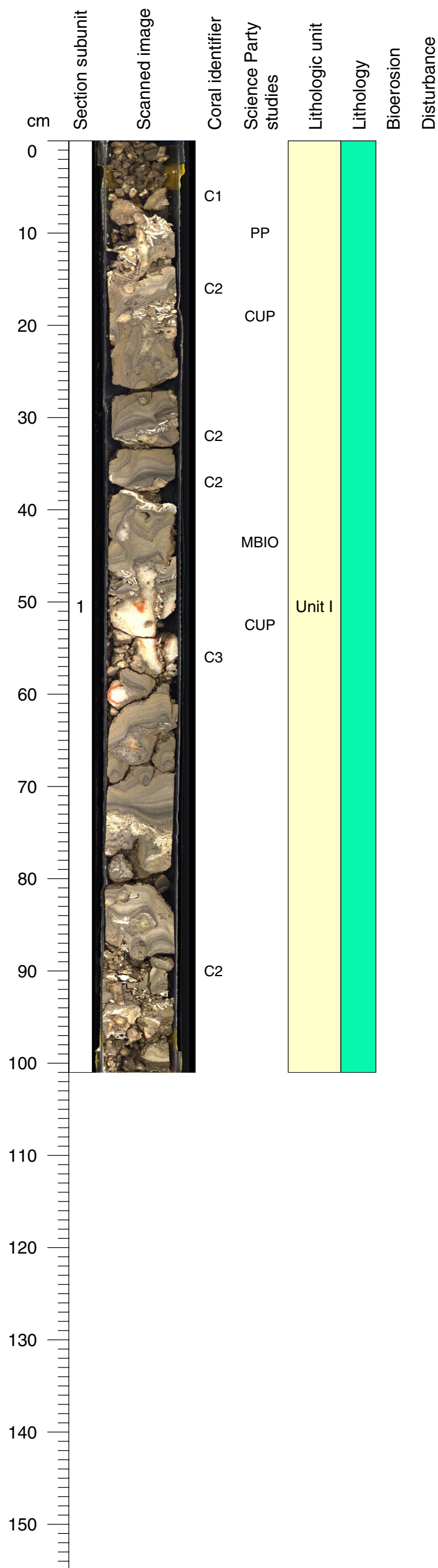


**Core Photo**



Core Photo

310-M0015B-25R-1 (Section top: 22.4 mbsf)



UNIT TYPE: Coral framework

MAJOR LITHOLOGY: Pocillopora - robust branching

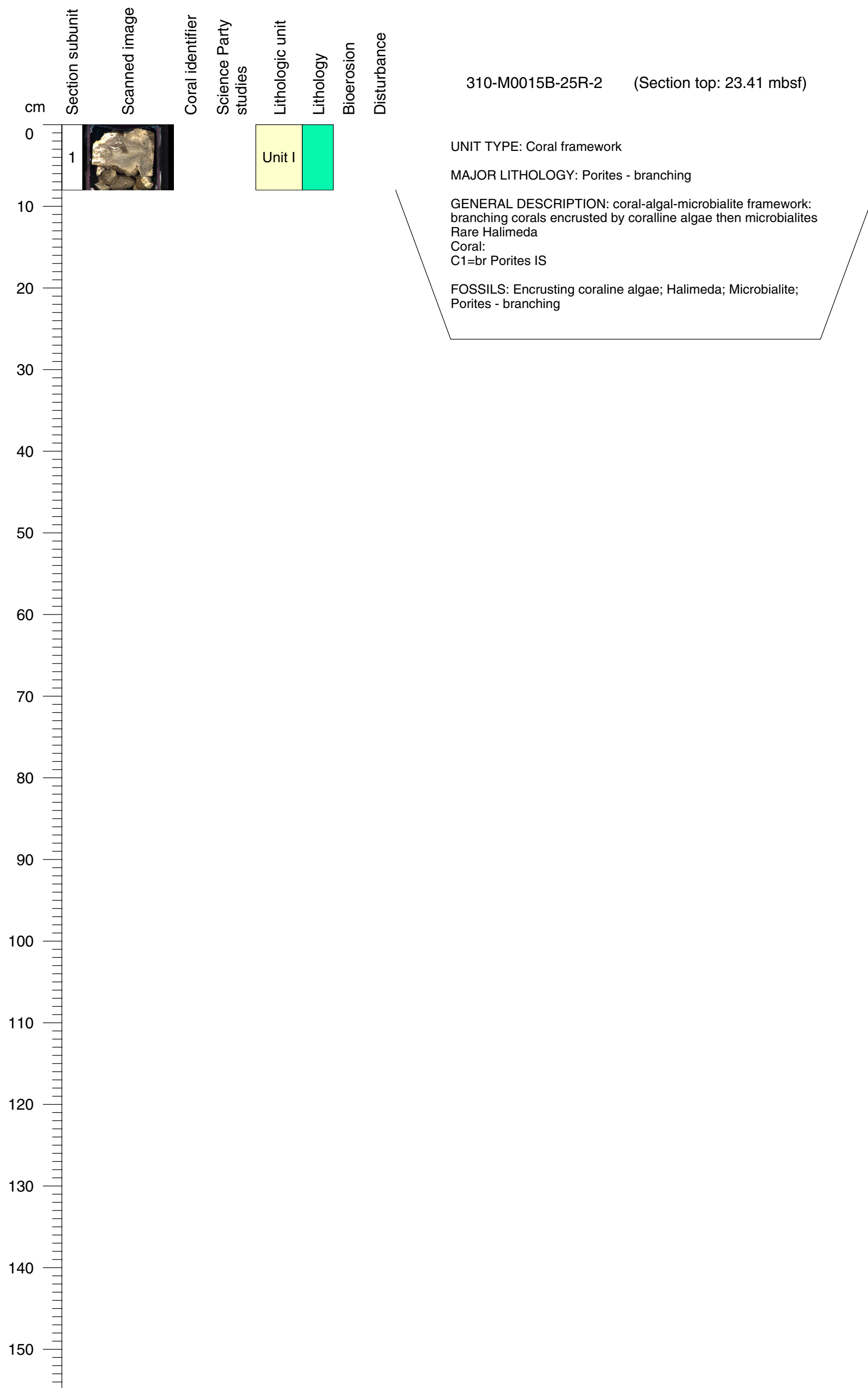
GENERAL DESCRIPTION: Coral-Microbialite framework: branching, robust branching and tabular corals in growth position rarely encrusted by coralline algae  
 In some places, Halimeda plates occur  
 Microbialite is lamina, dendritic, and knobby  
 CORAL  
 C1=tabular Acropora? IS  
 C2=br Porites IS  
 C3=rob Pocillopora IS

FOSSILS: Acroporidae - tabular; Encrusting coralline algae; Halimeda; Microbialite; Pocillopora - robust branching; Porites - branching



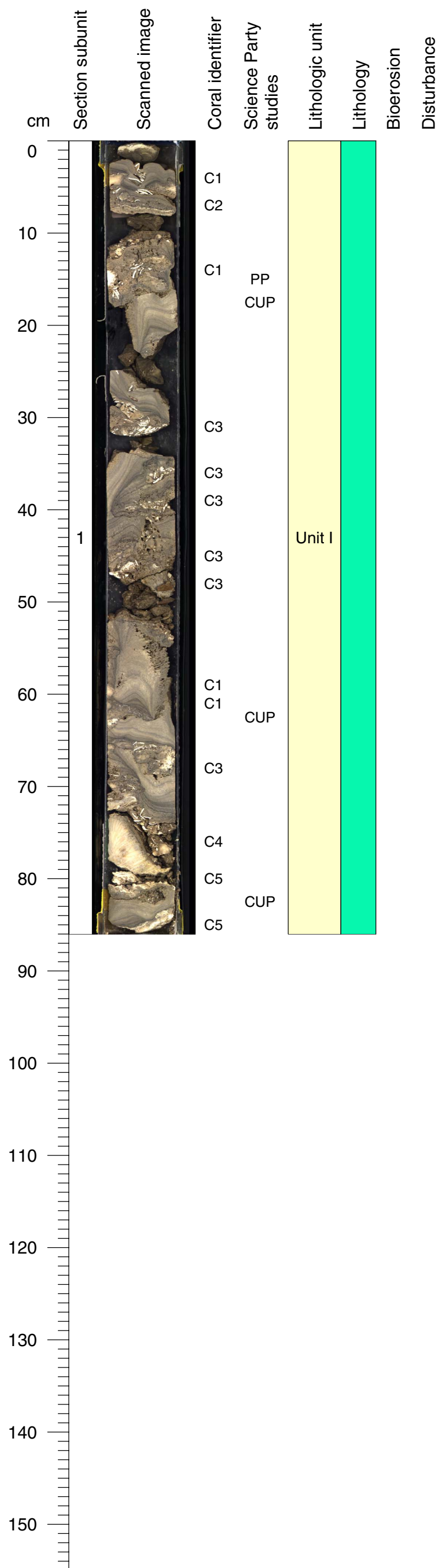


**Core Photo**



Core Photo

310-M0015B-26R-1 (Section top: 23.9 mbsf)



UNIT TYPE: Coral framework

MAJOR LITHOLOGY: Pocillopora - robust branching

GENERAL DESCRIPTION: Coral-Algal-Microbialite framework: robust branching, branching, tabular, encrusting? and massive corals in growth position encrusted or not by coralline algae then microbialite crusts

Halimeda abundant in several places

Microbialite is lamina, dendritic and knobby

CORAL:

C1=Br Porites IS

C2=Enc Porites IS

C3=rob br Pocillopora IS

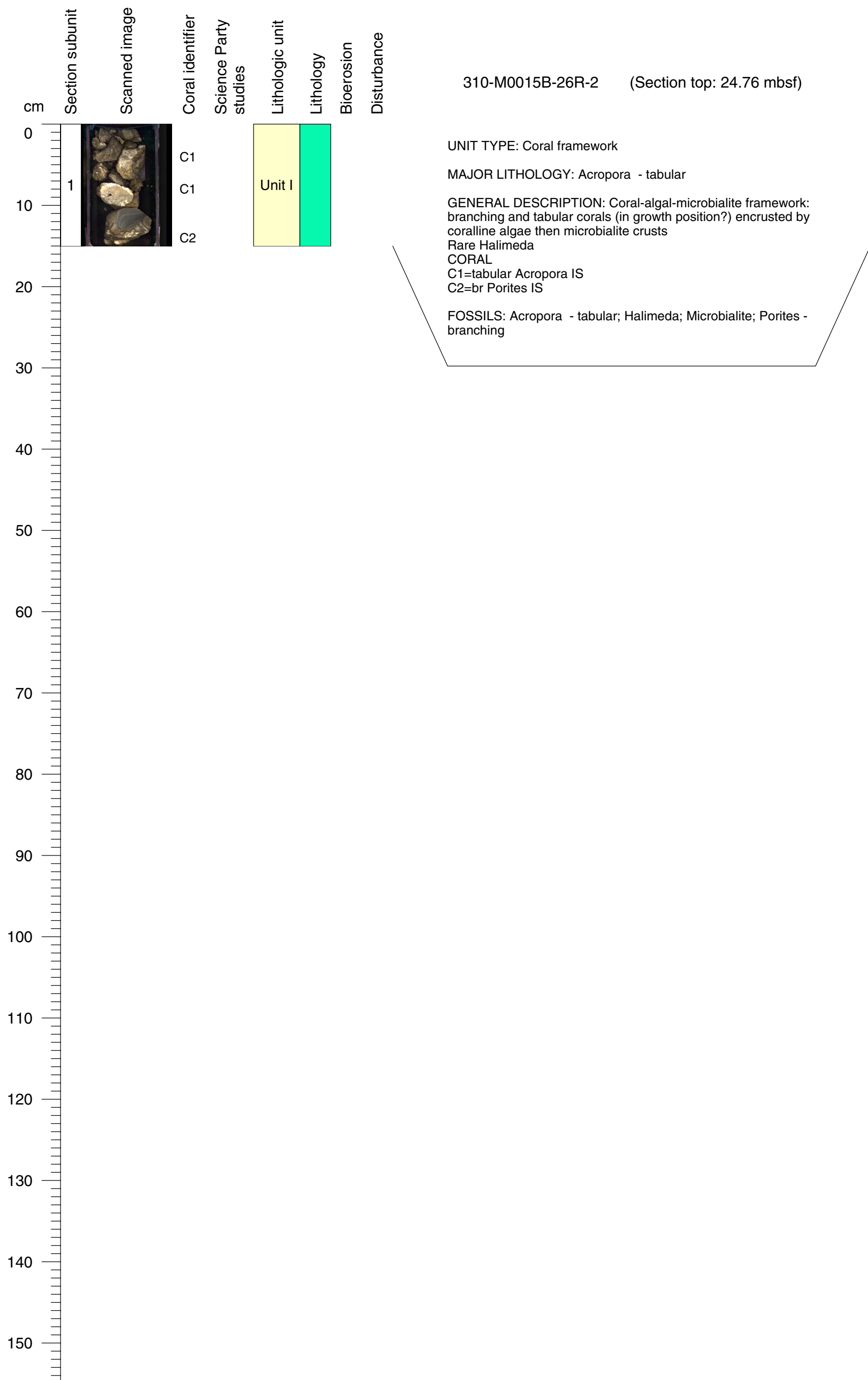
C4=massive Montastrea

C5=tabular Acropora

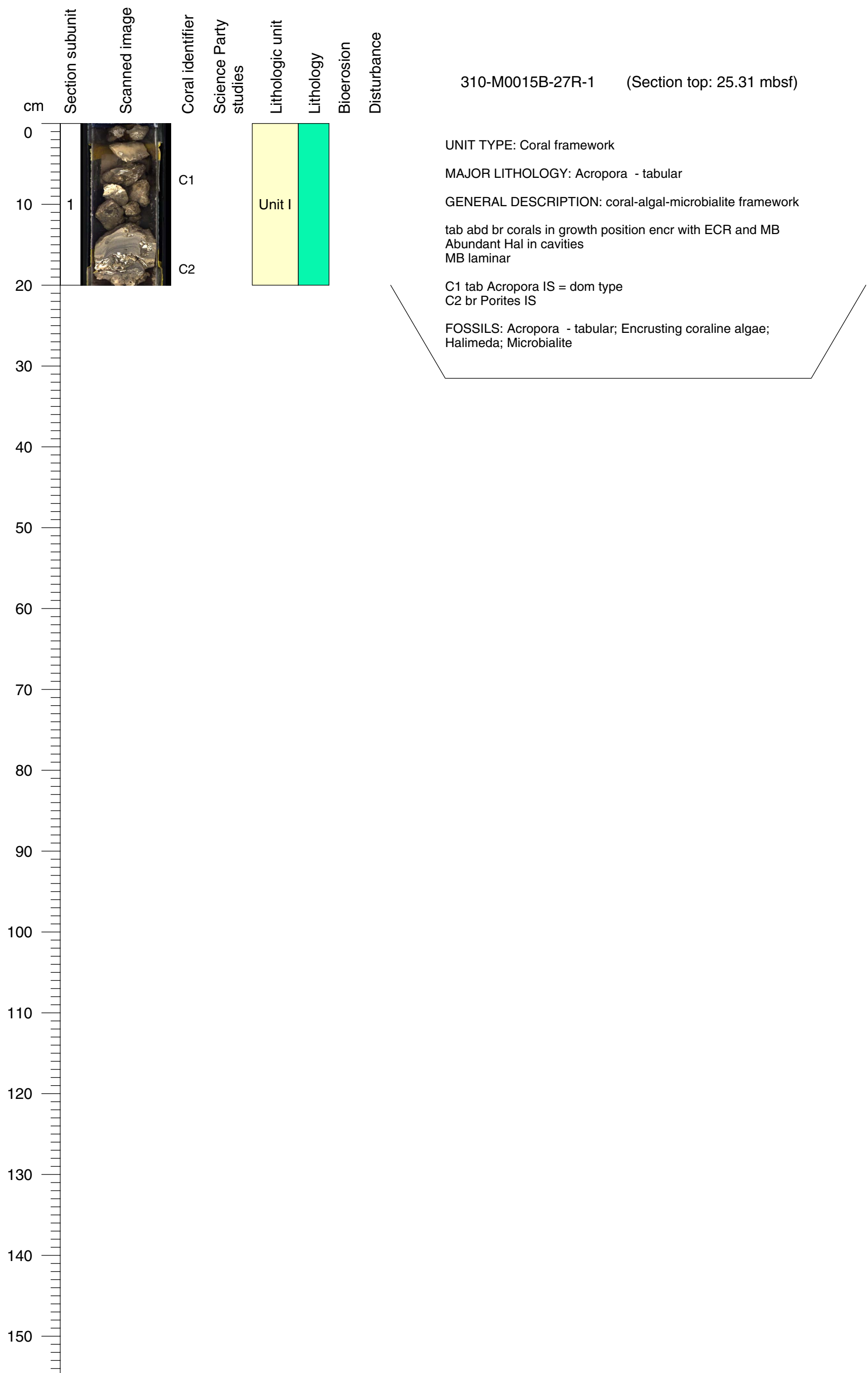
FOSSILS: Acropora - tabular; Encrusting coralline algae; Halimeda; Microbialite; Montastrea - massive; Pocillopora - robust branching; Porites - branching ; Porites - encrusting



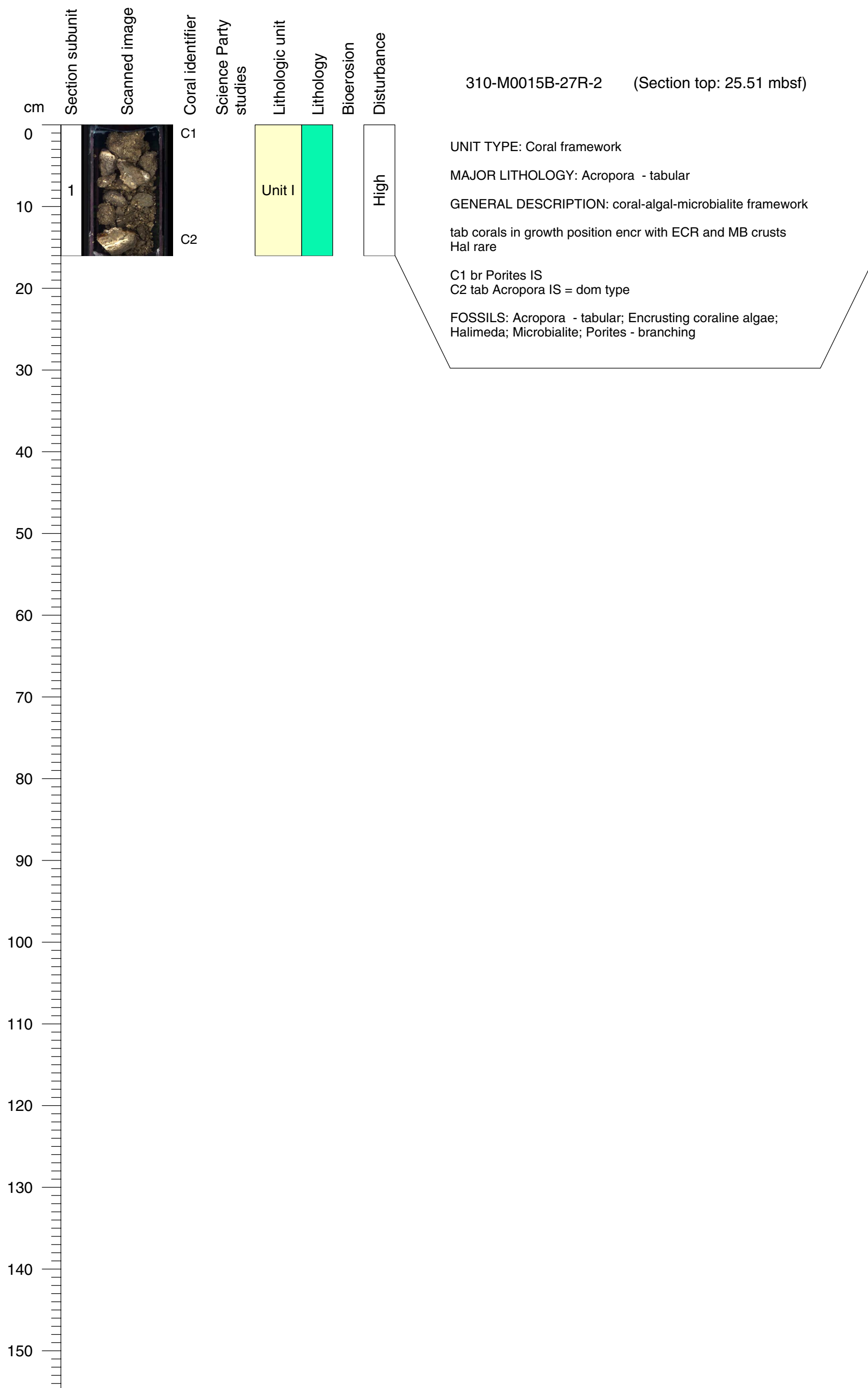
**Core Photo**



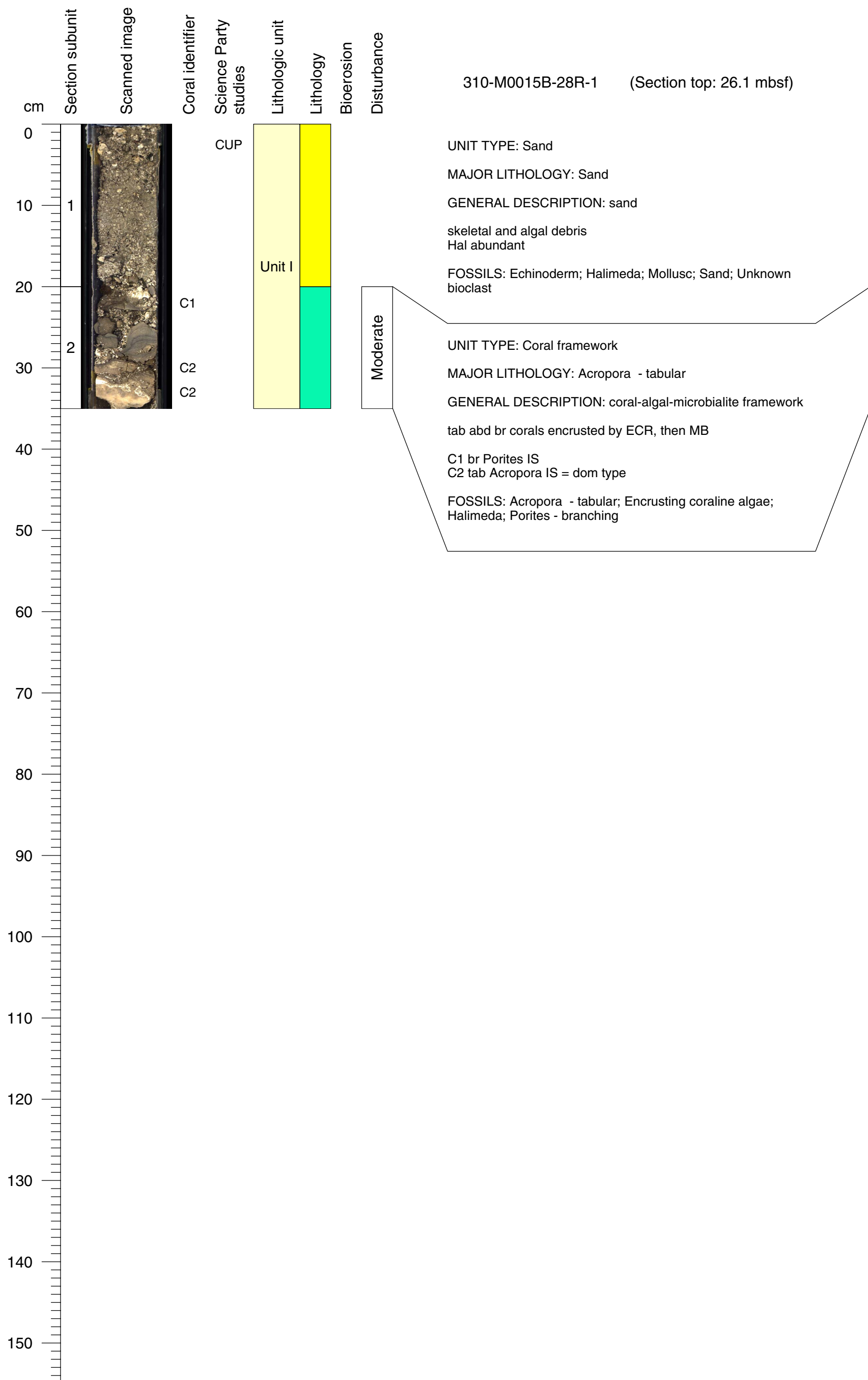
**Core Photo**



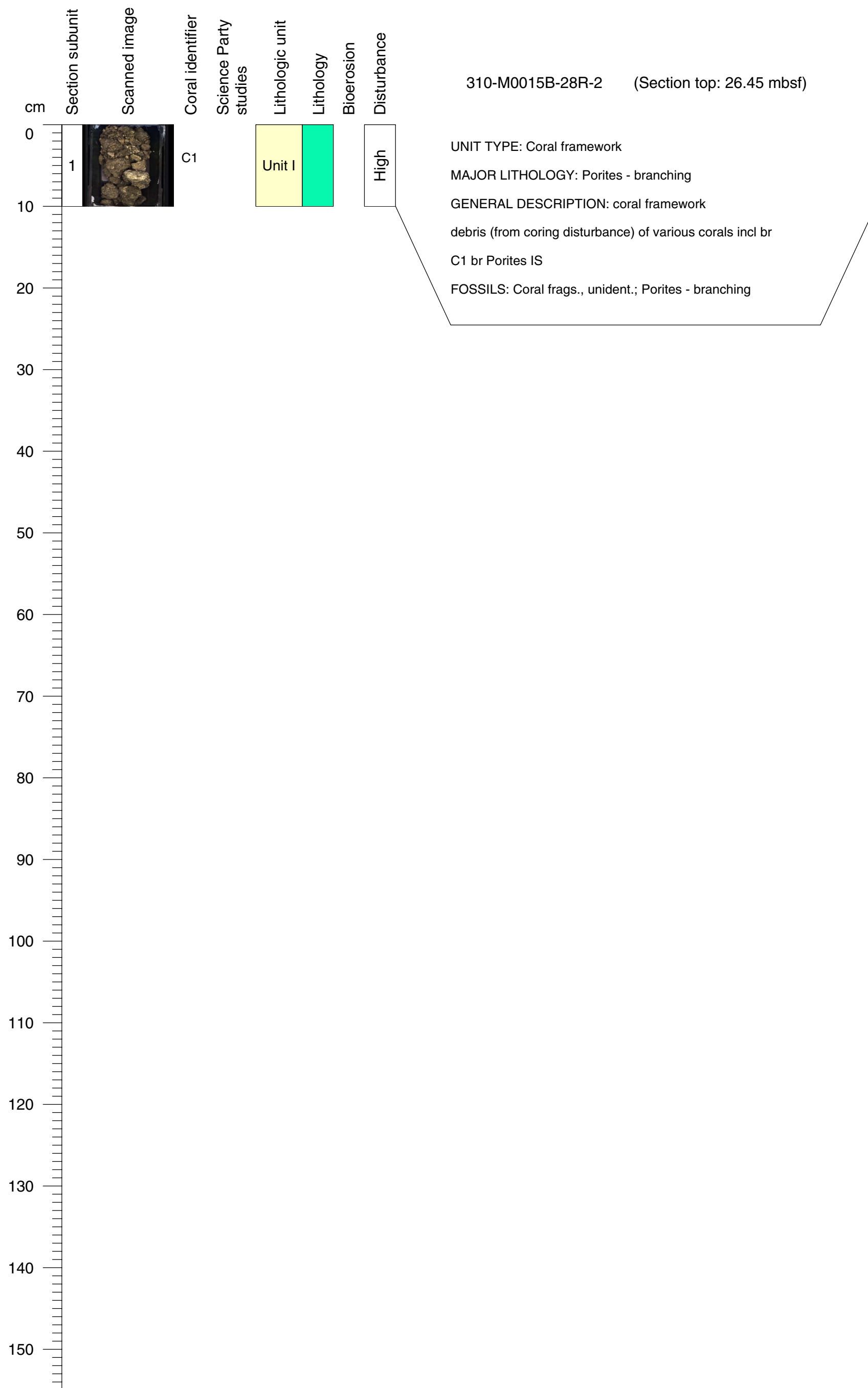
**Core Photo**



Core Photo

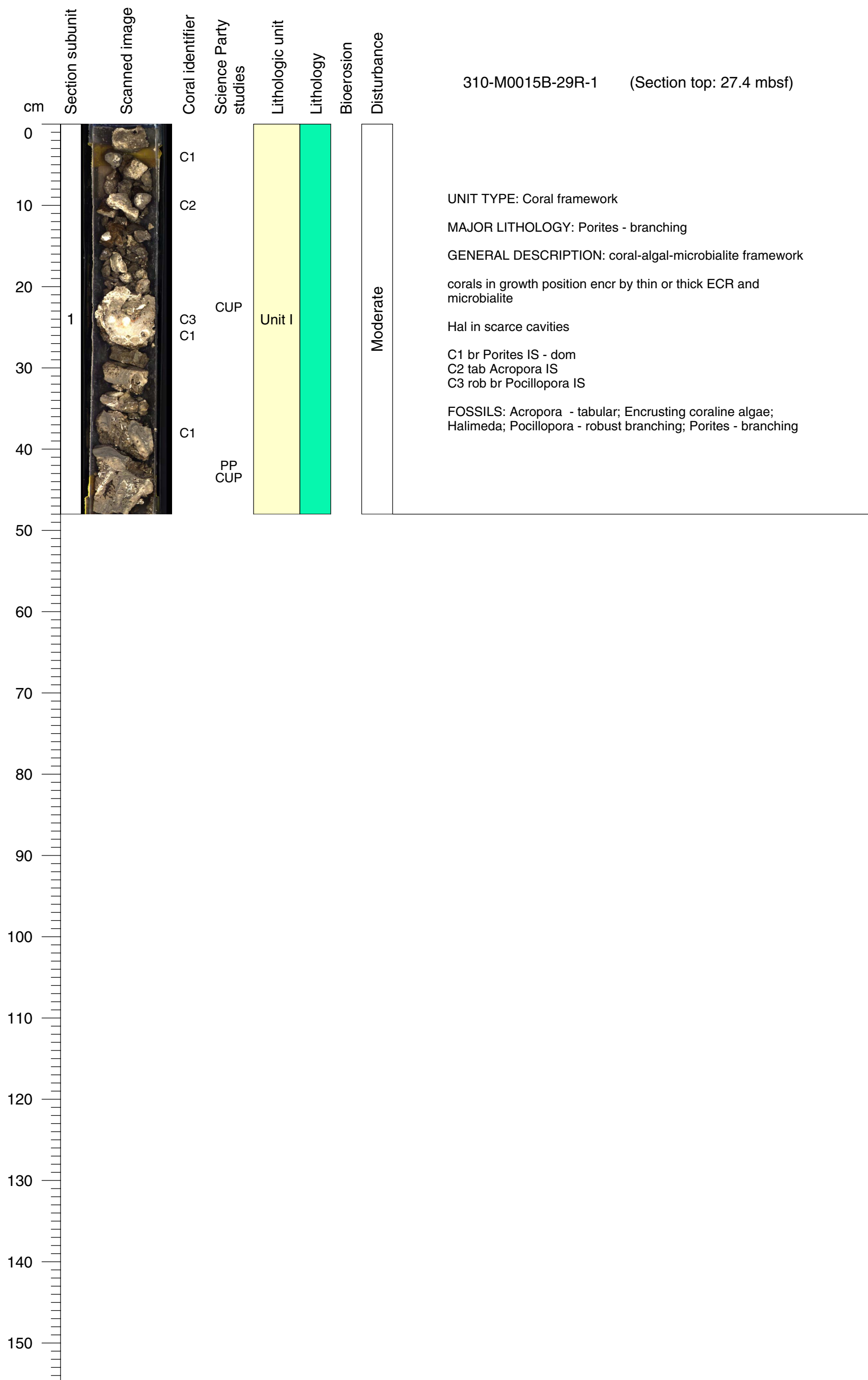


Core Photo



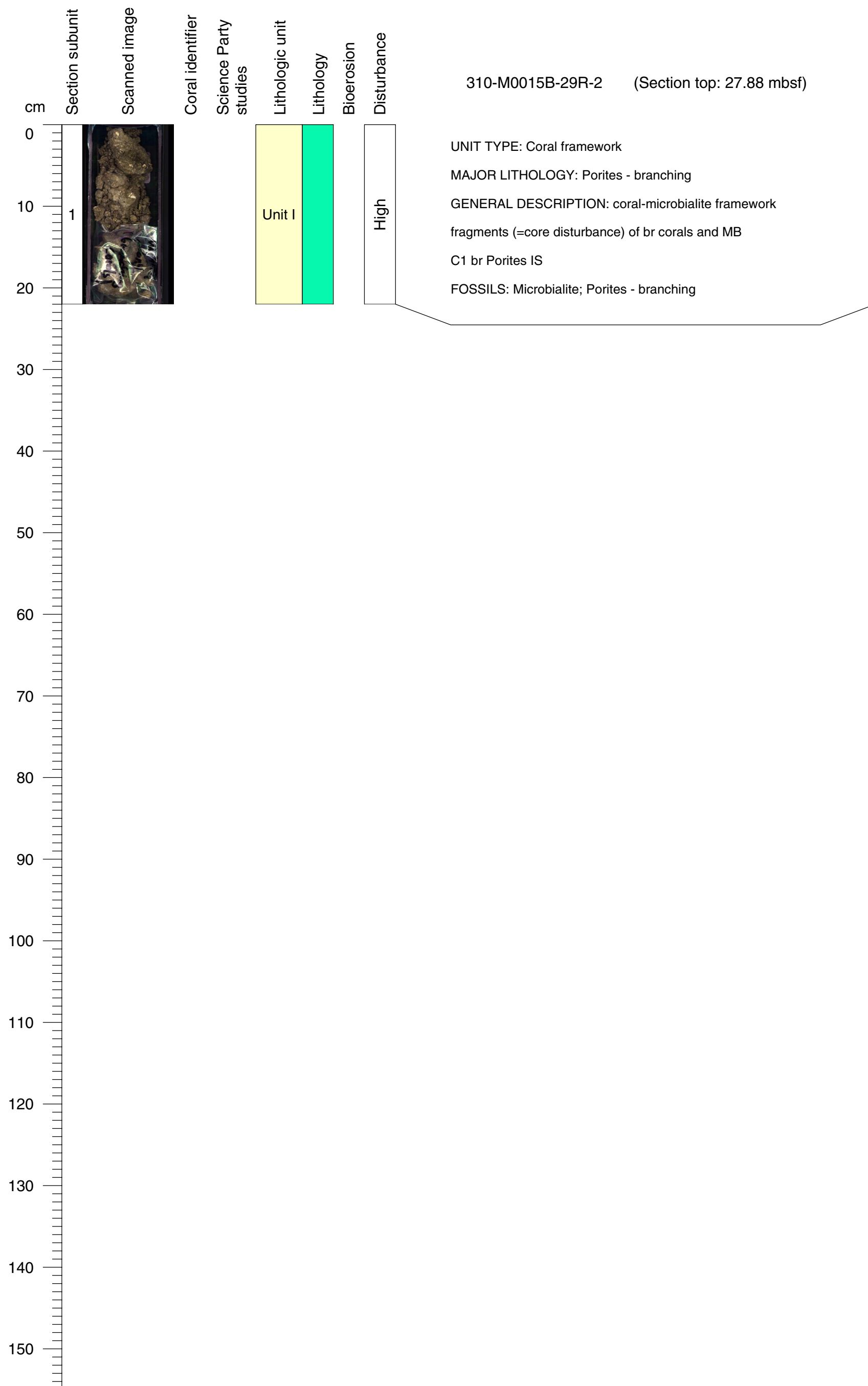
Core Photo

310-M0015B-29R-1 (Section top: 27.4 mbsf)

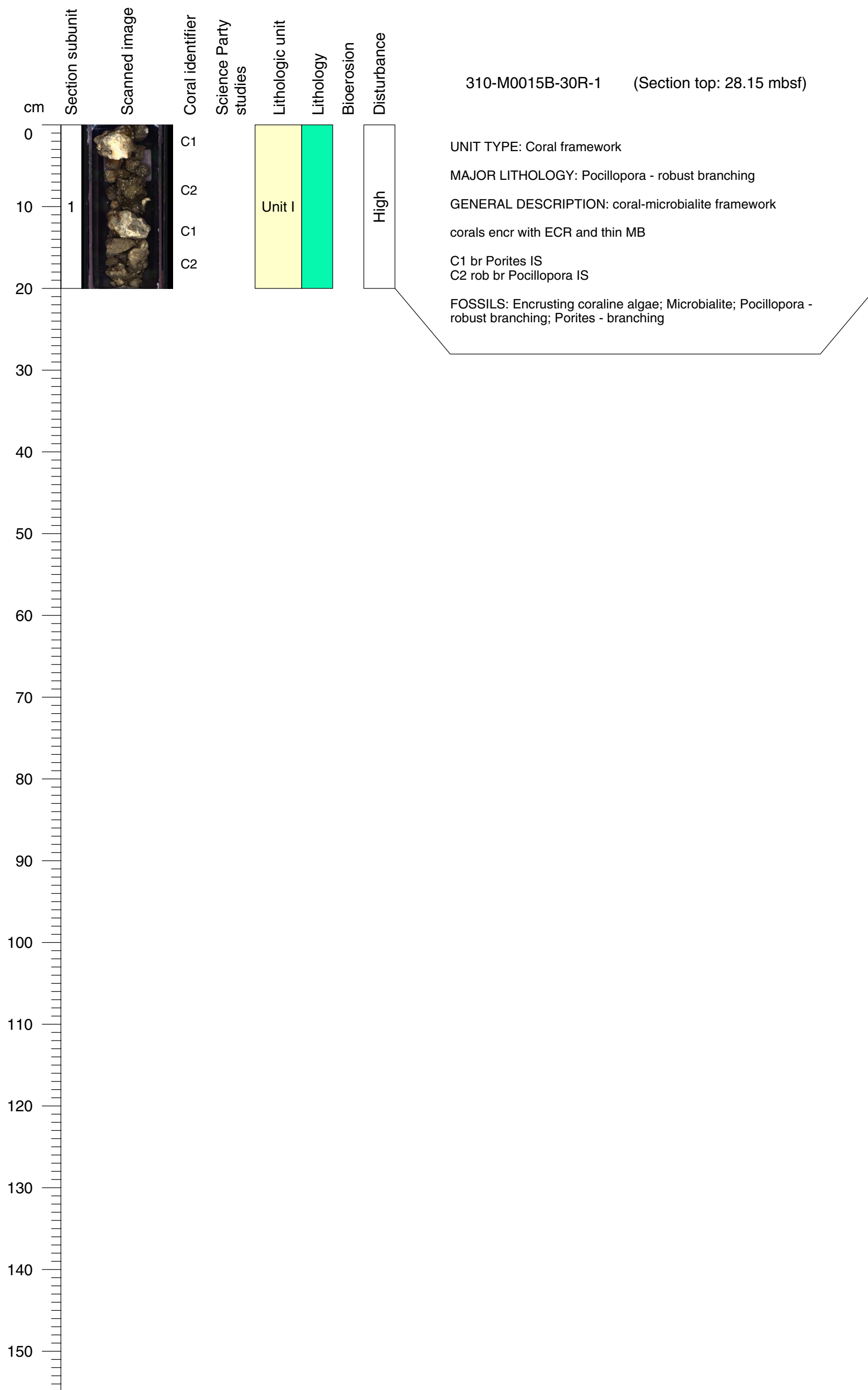




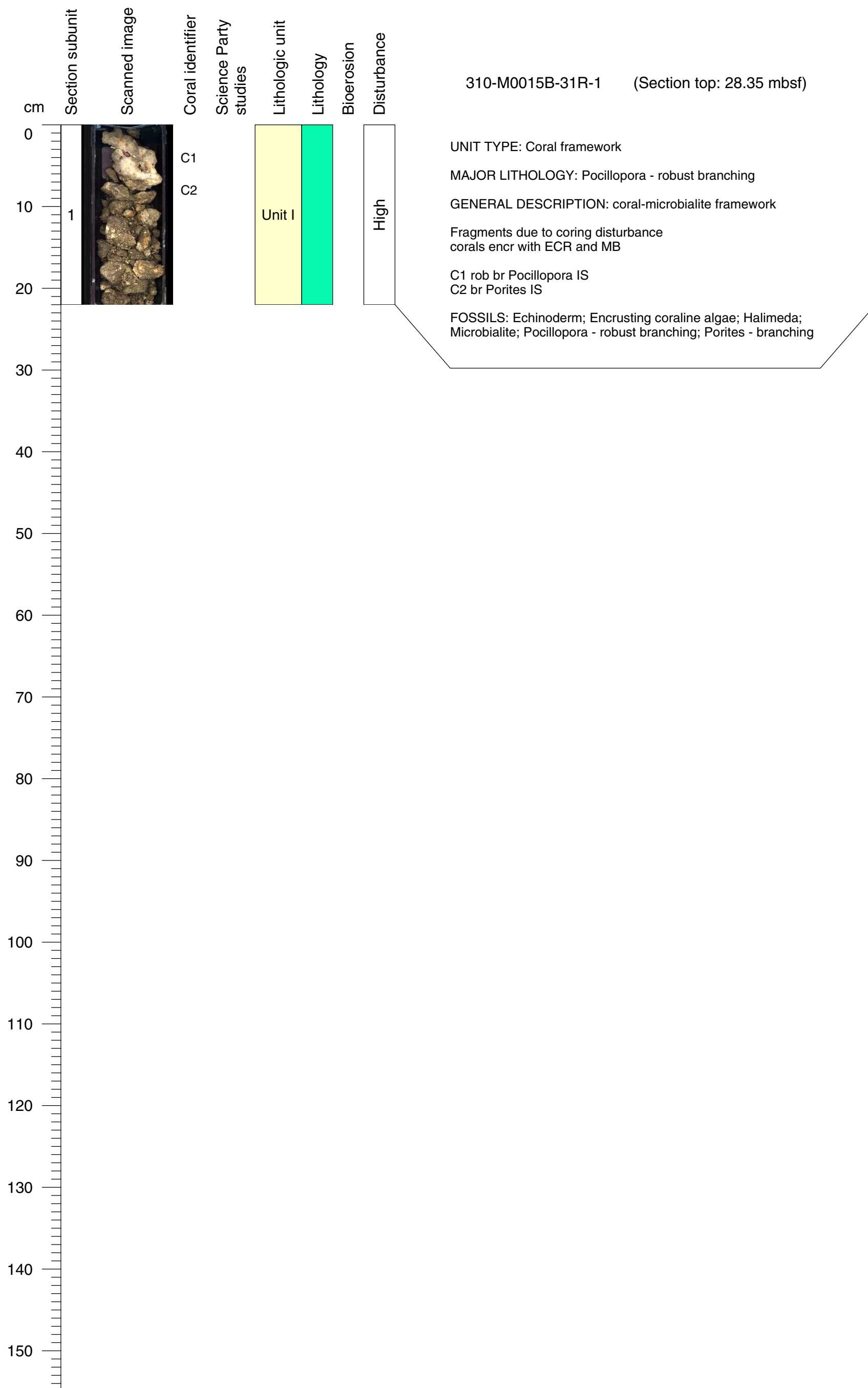
**Core Photo**



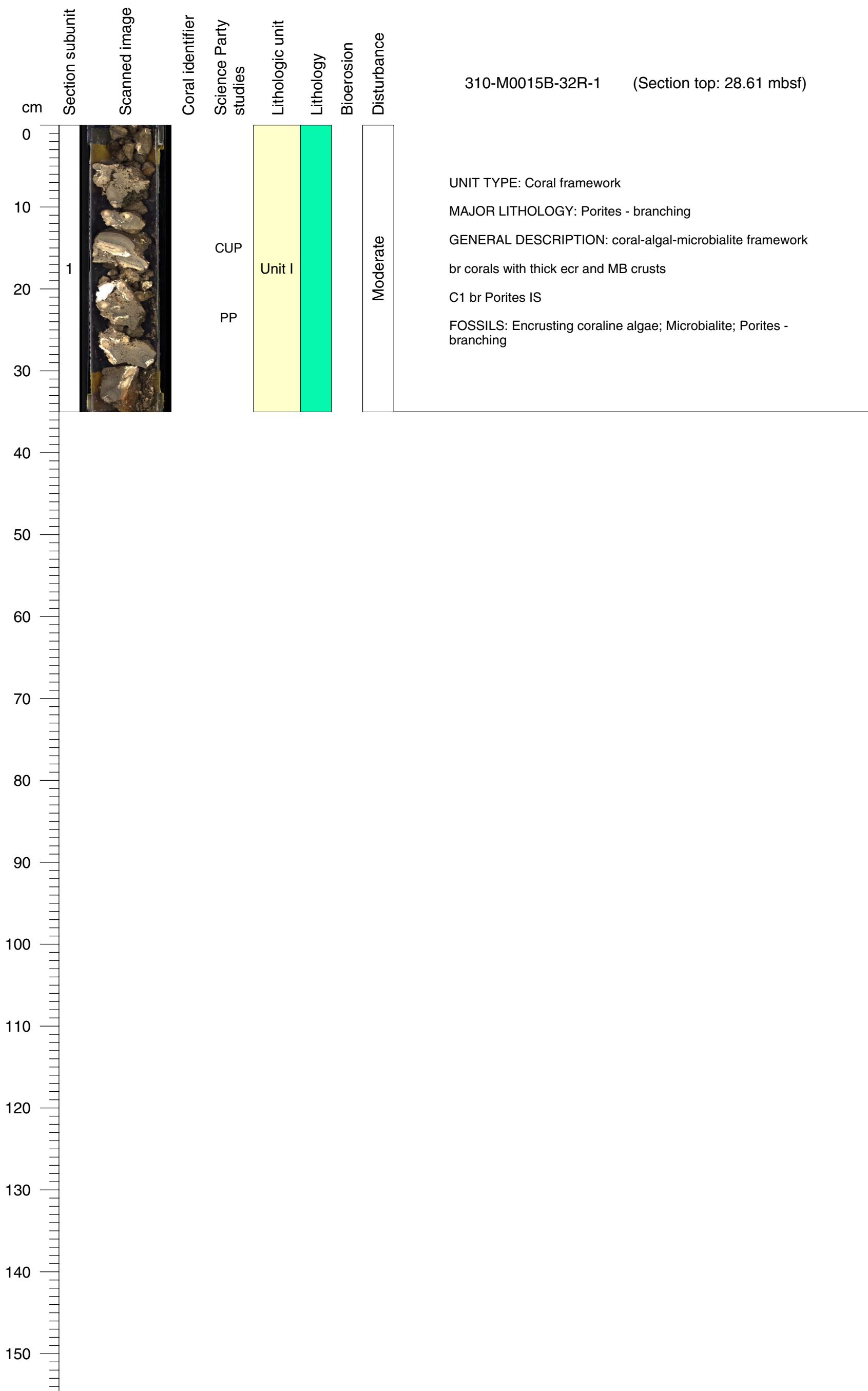
**Core Photo**



**Core Photo**

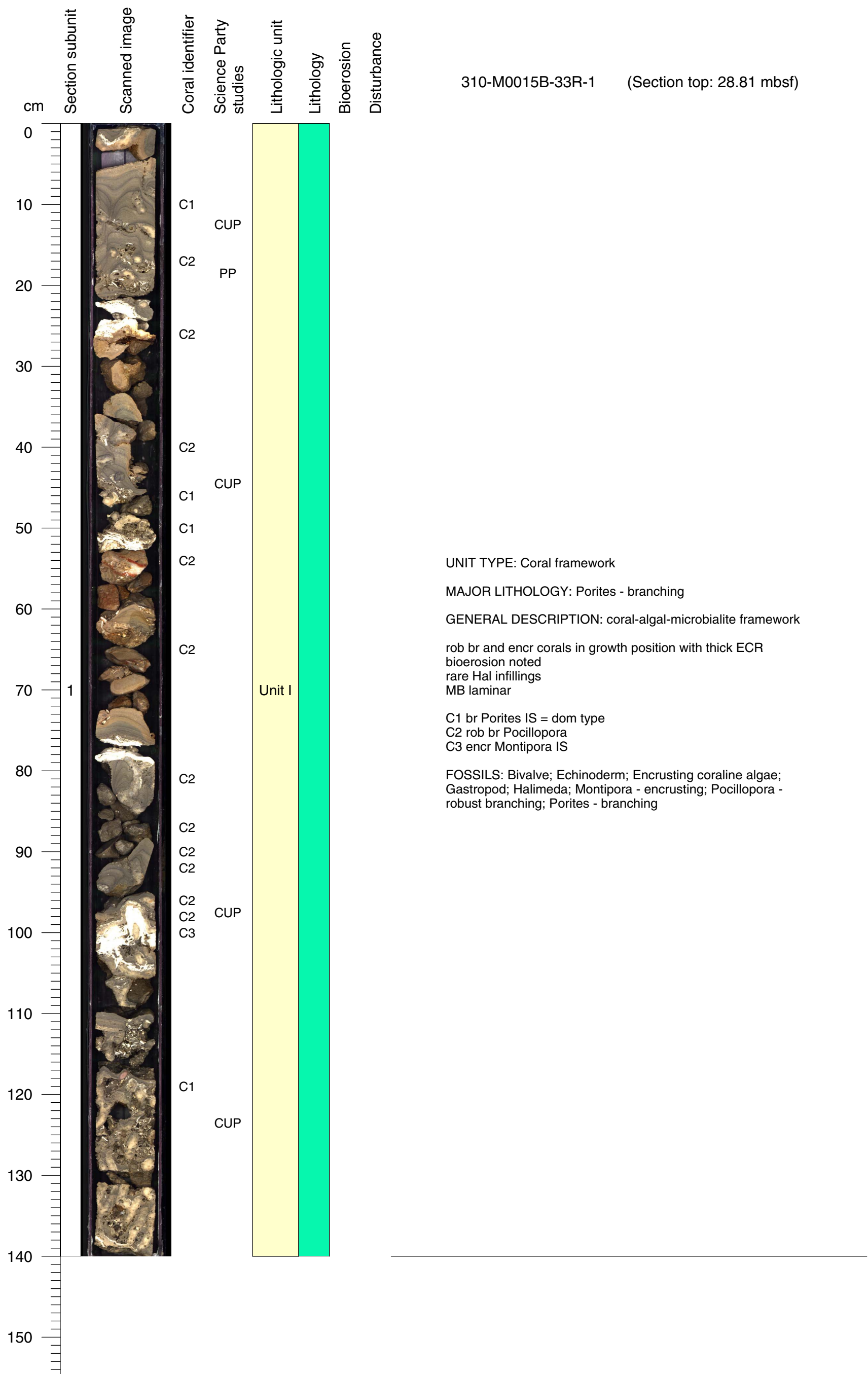


**Core Photo**



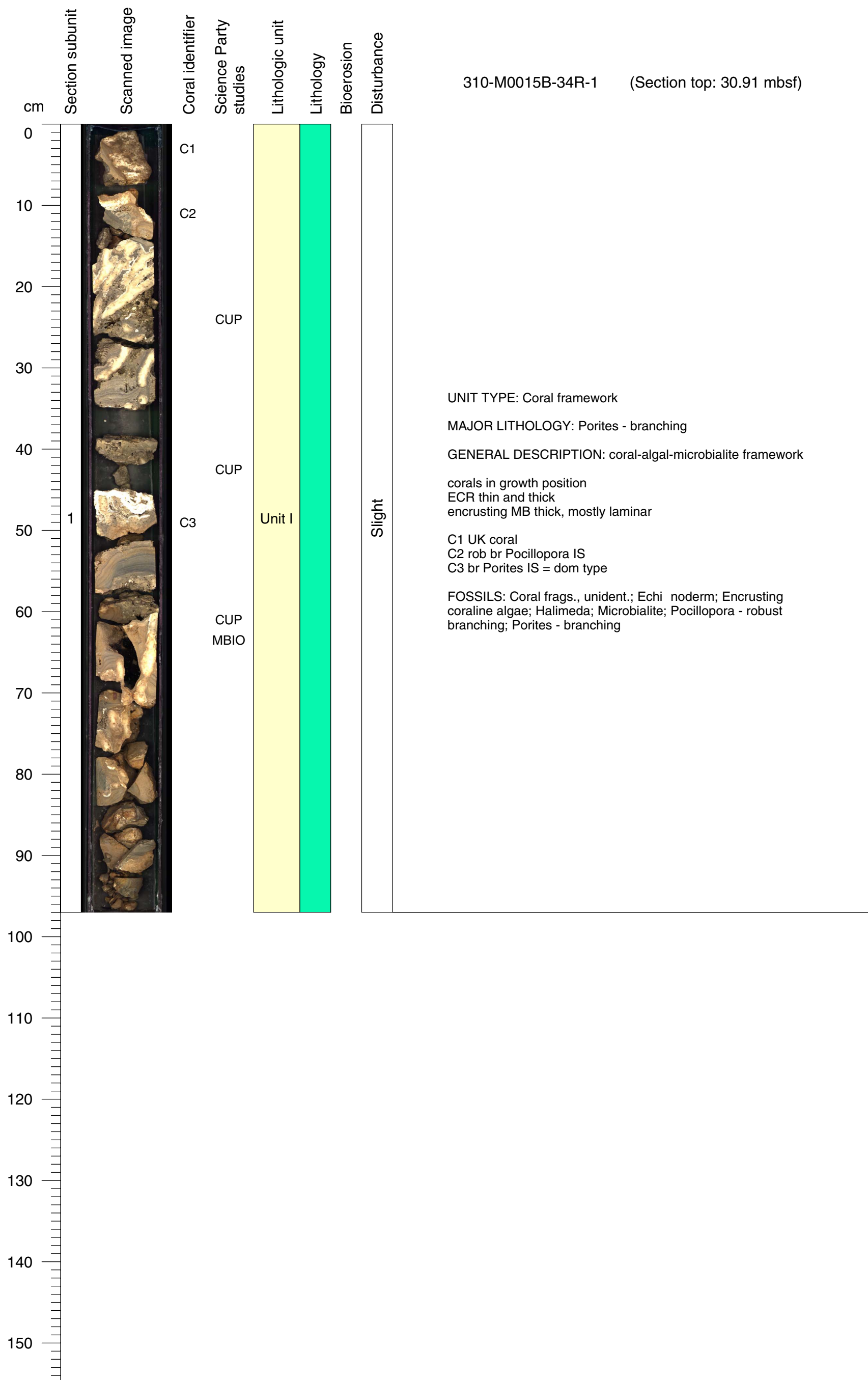
Core Photo

310-M0015B-33R-1 (Section top: 28.81 mbsf)



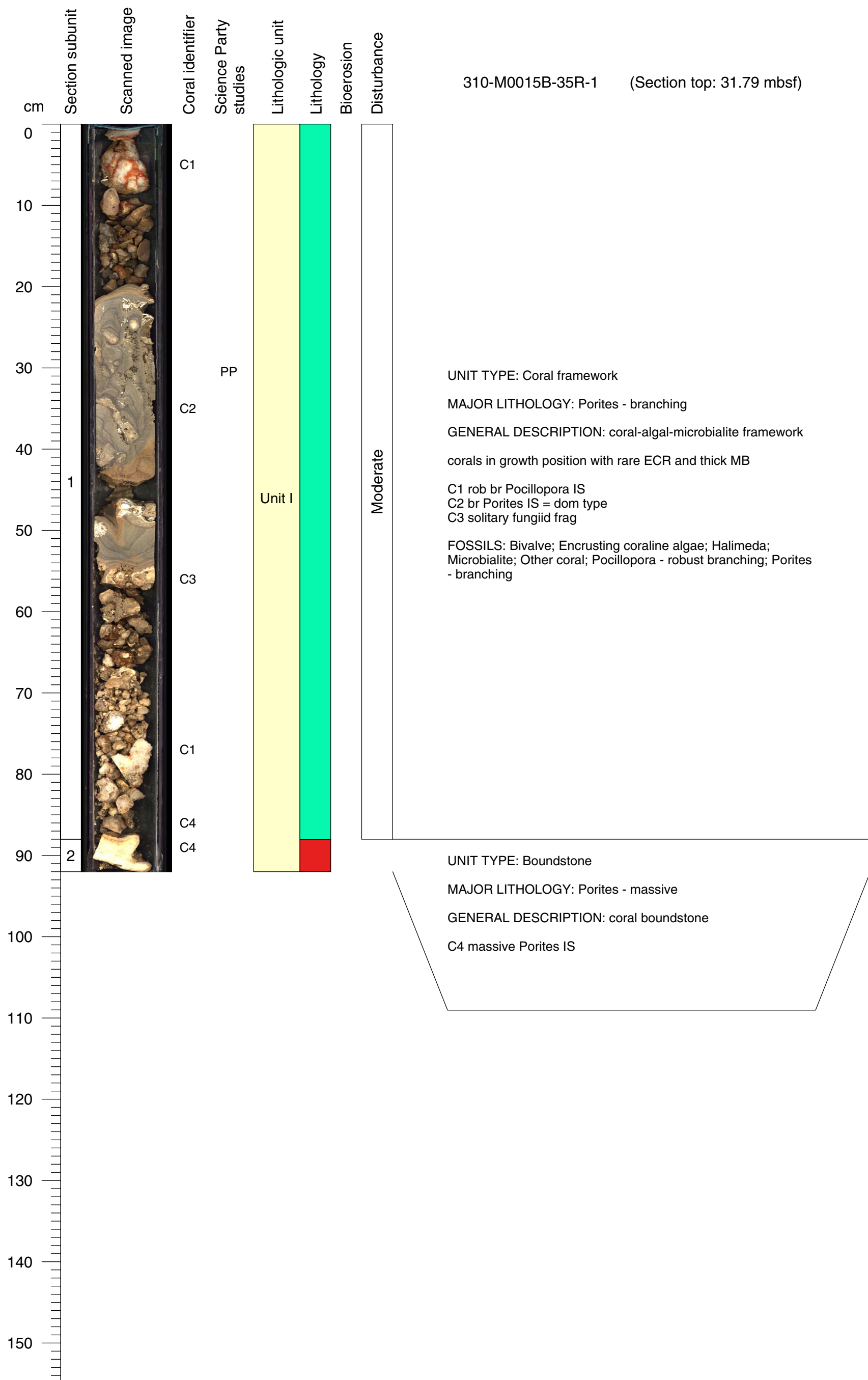
Core Photo

310-M0015B-34R-1 (Section top: 30.91 mbsf)



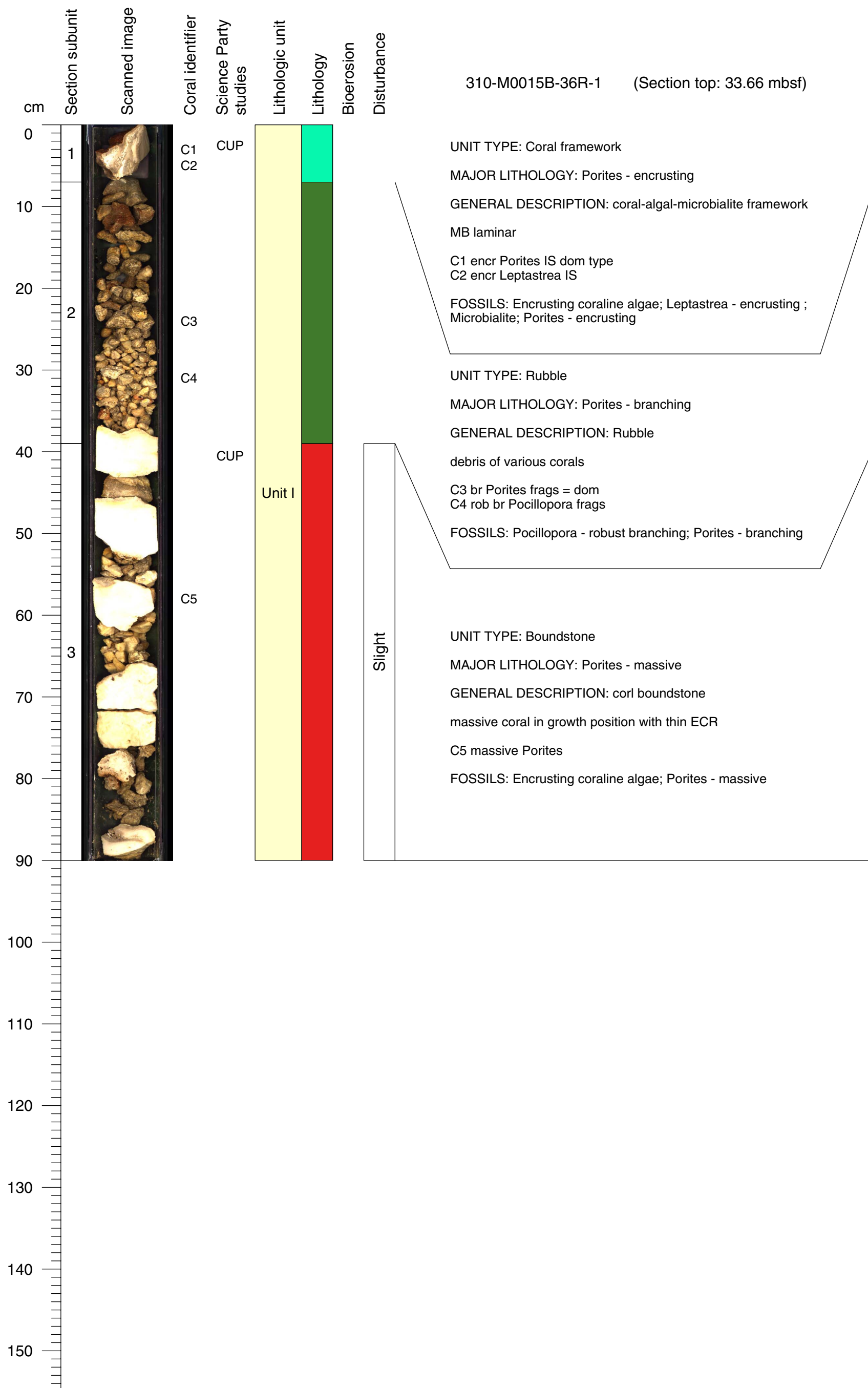
Core Photo

310-M0015B-35R-1 (Section top: 31.79 mbsf)



Core Photo

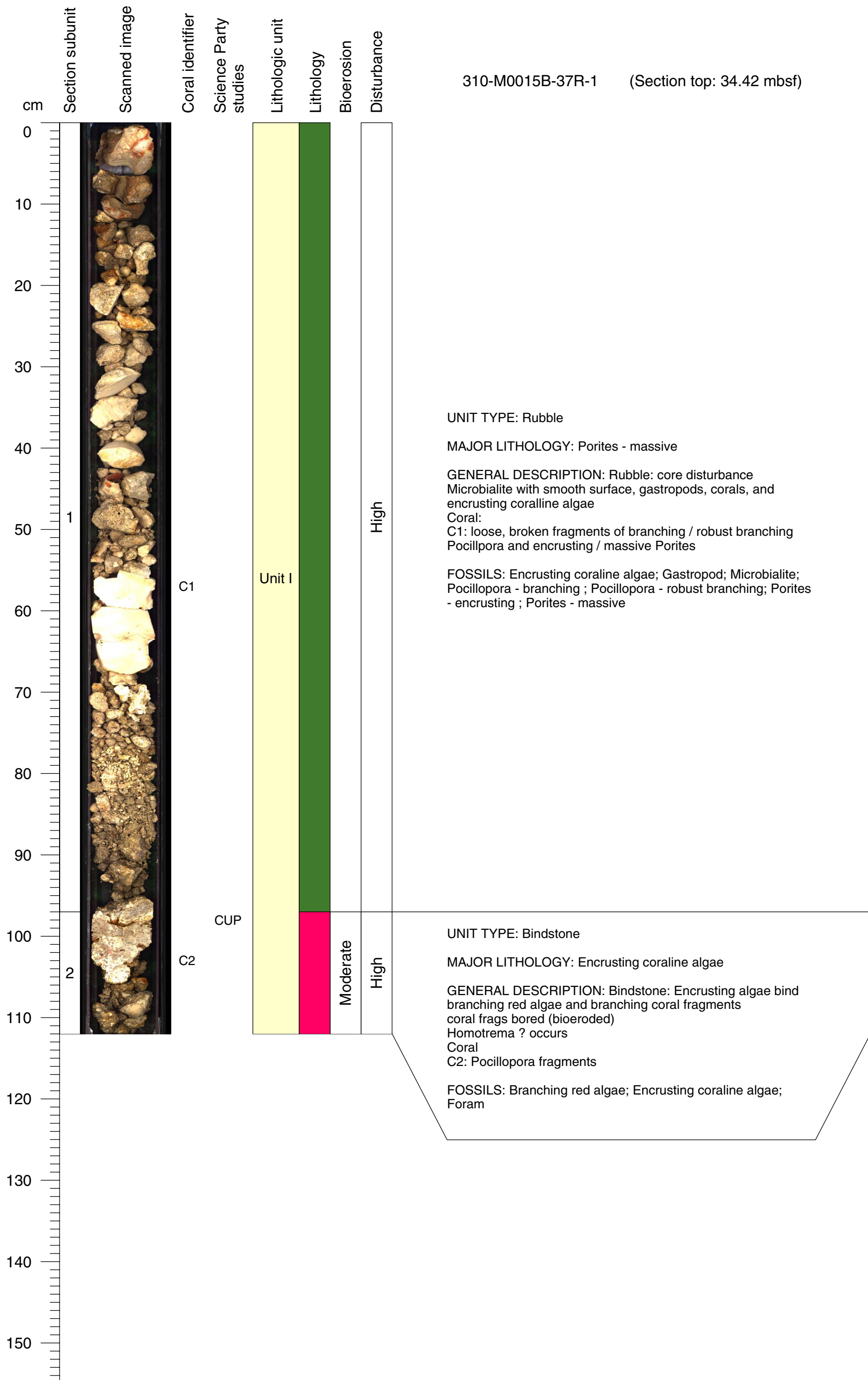
310-M0015B-36R-1 (Section top: 33.66 mbsf)



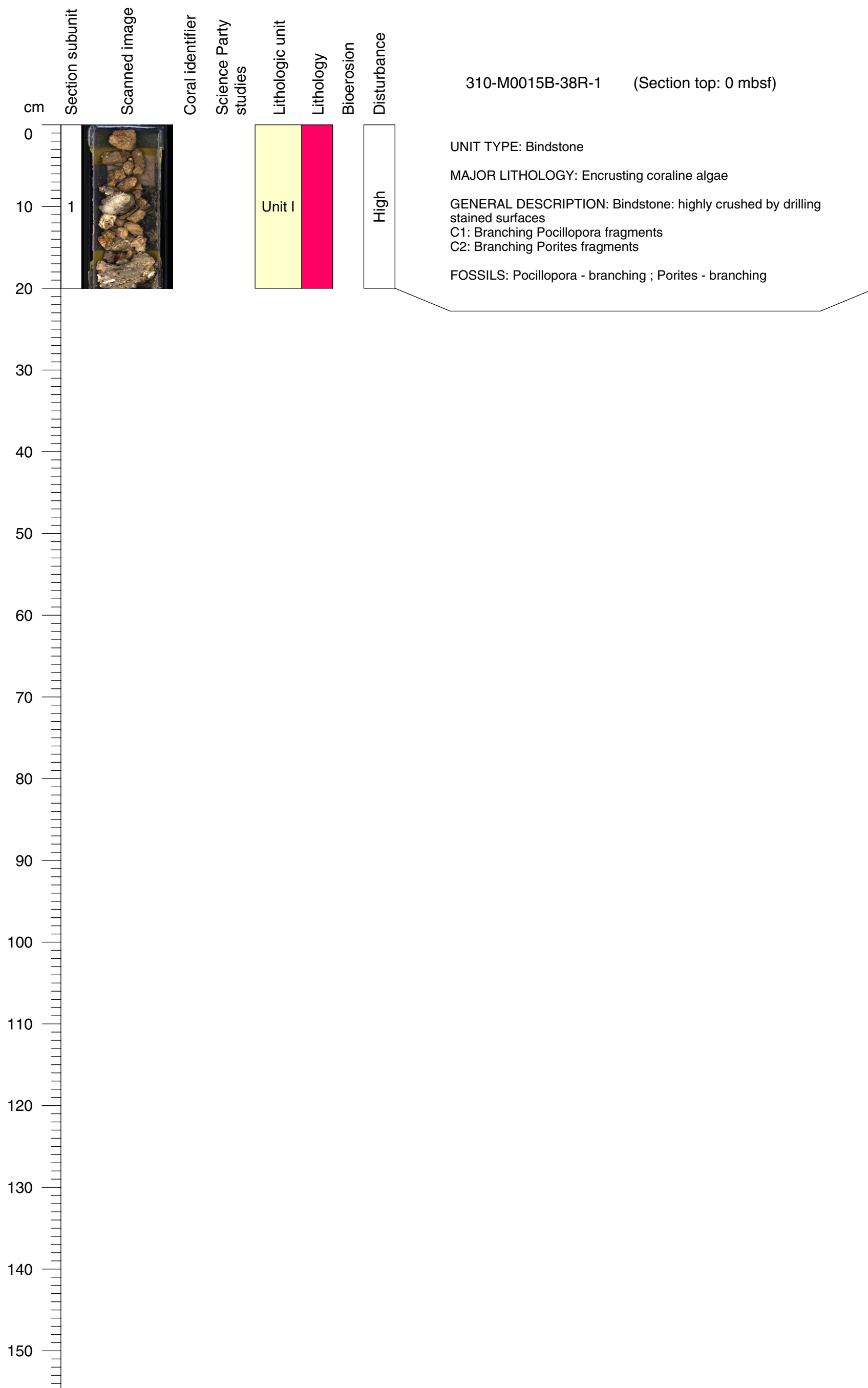


Core Photo

310-M0015B-37R-1 (Section top: 34.42 mbsf)

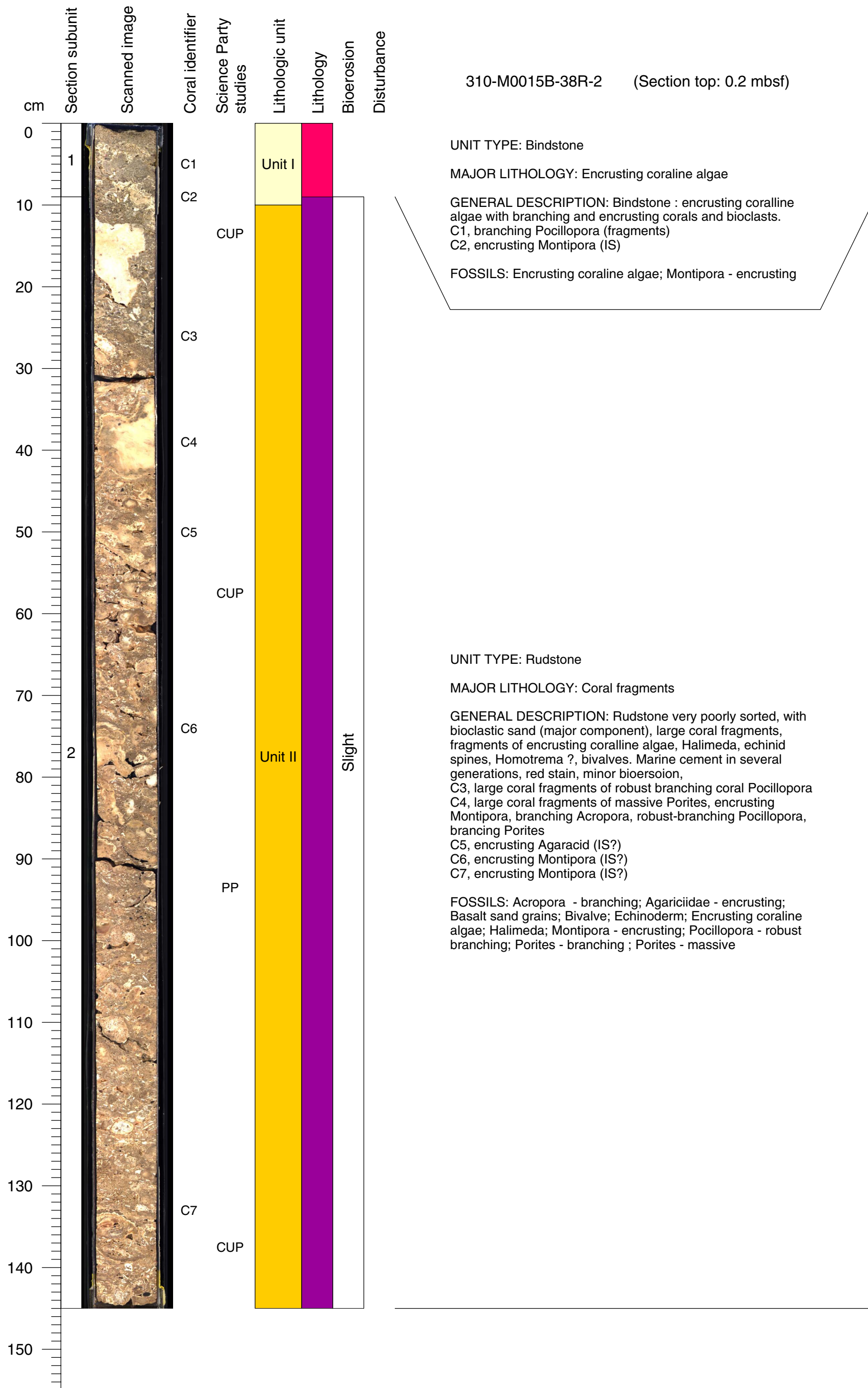


Core Photo



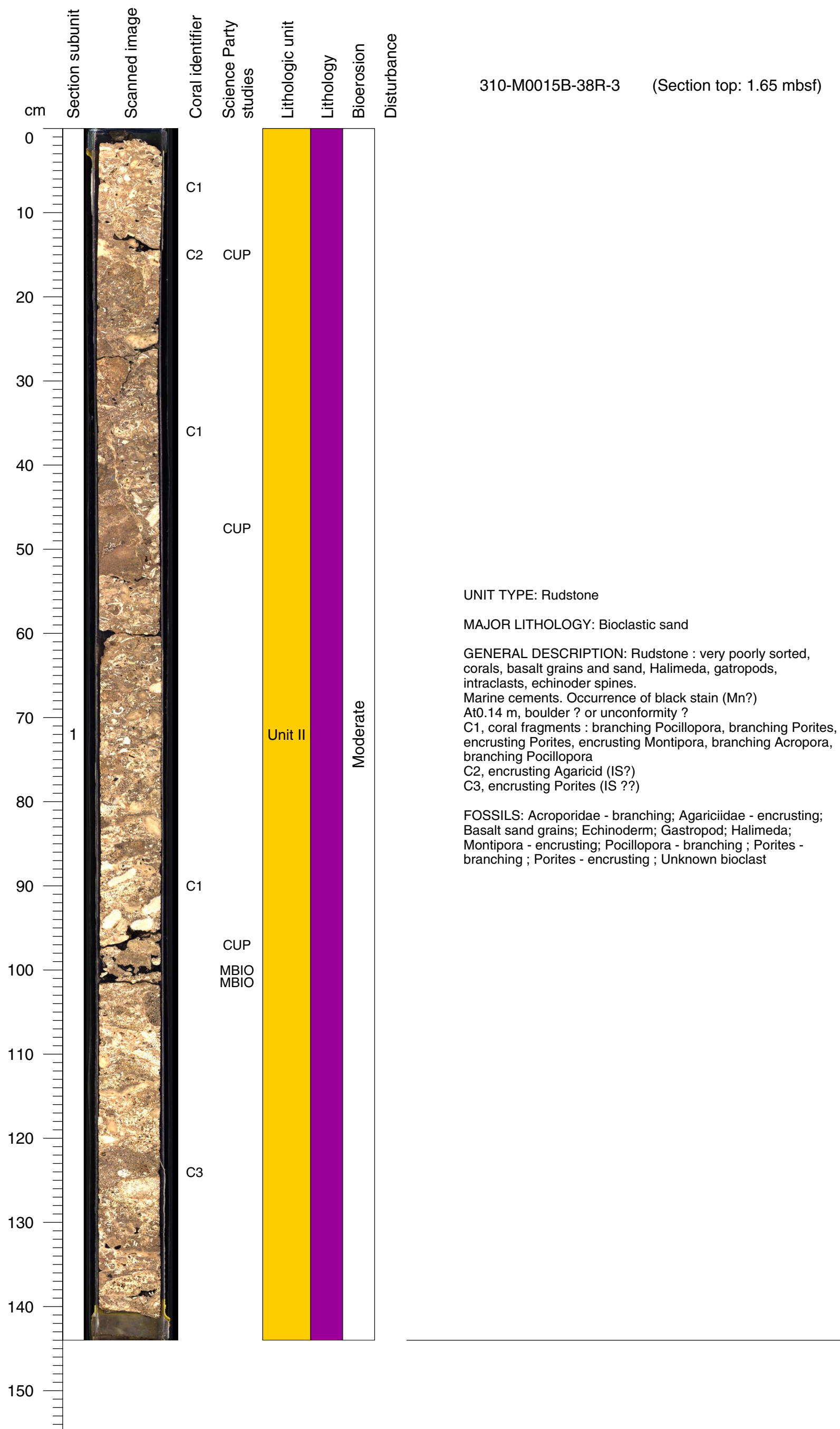
Core Photo

310-M0015B-38R-2 (Section top: 0.2 mbsf)



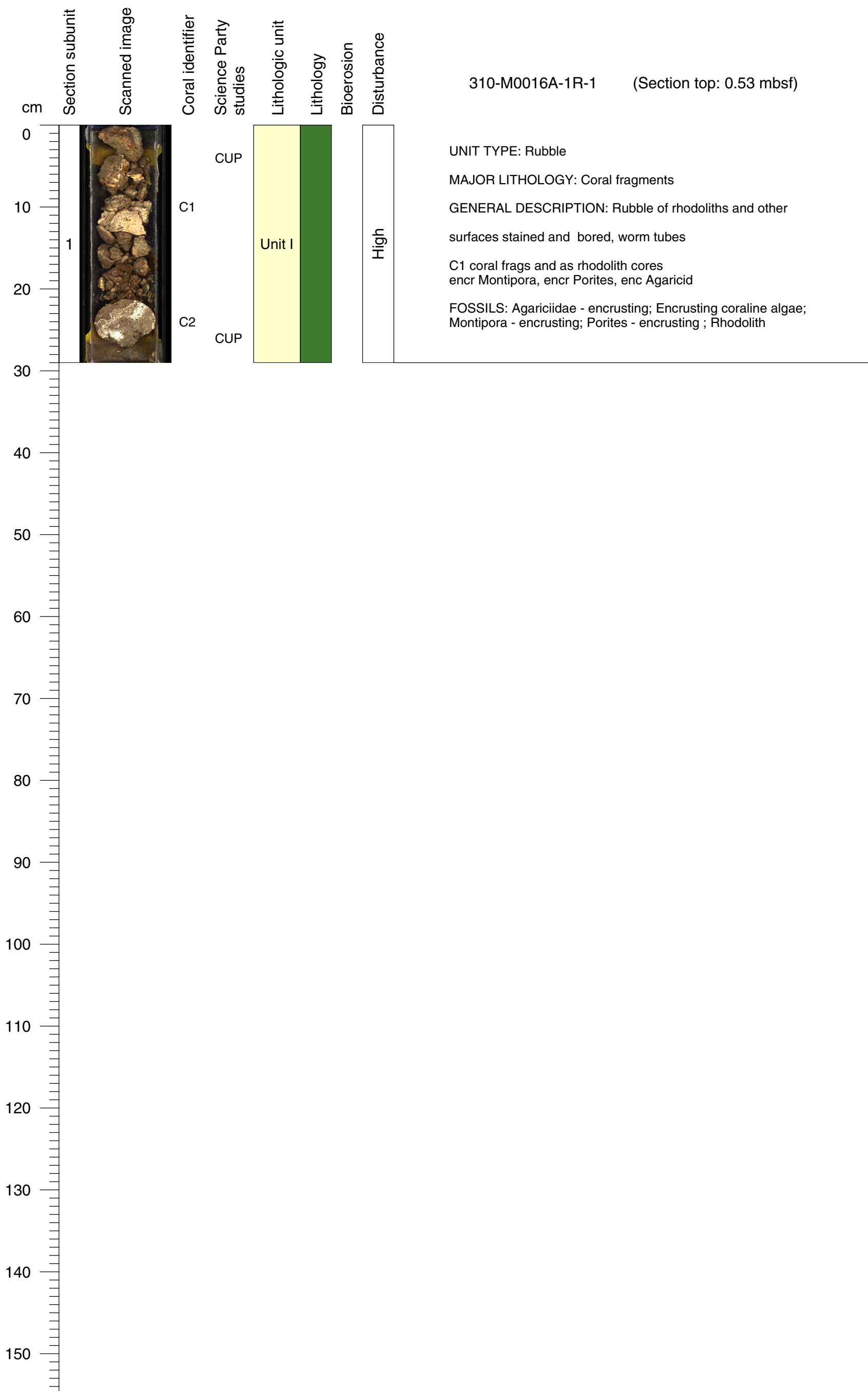
Core Photo

310-M0015B-38R-3 (Section top: 1.65 mbsf)



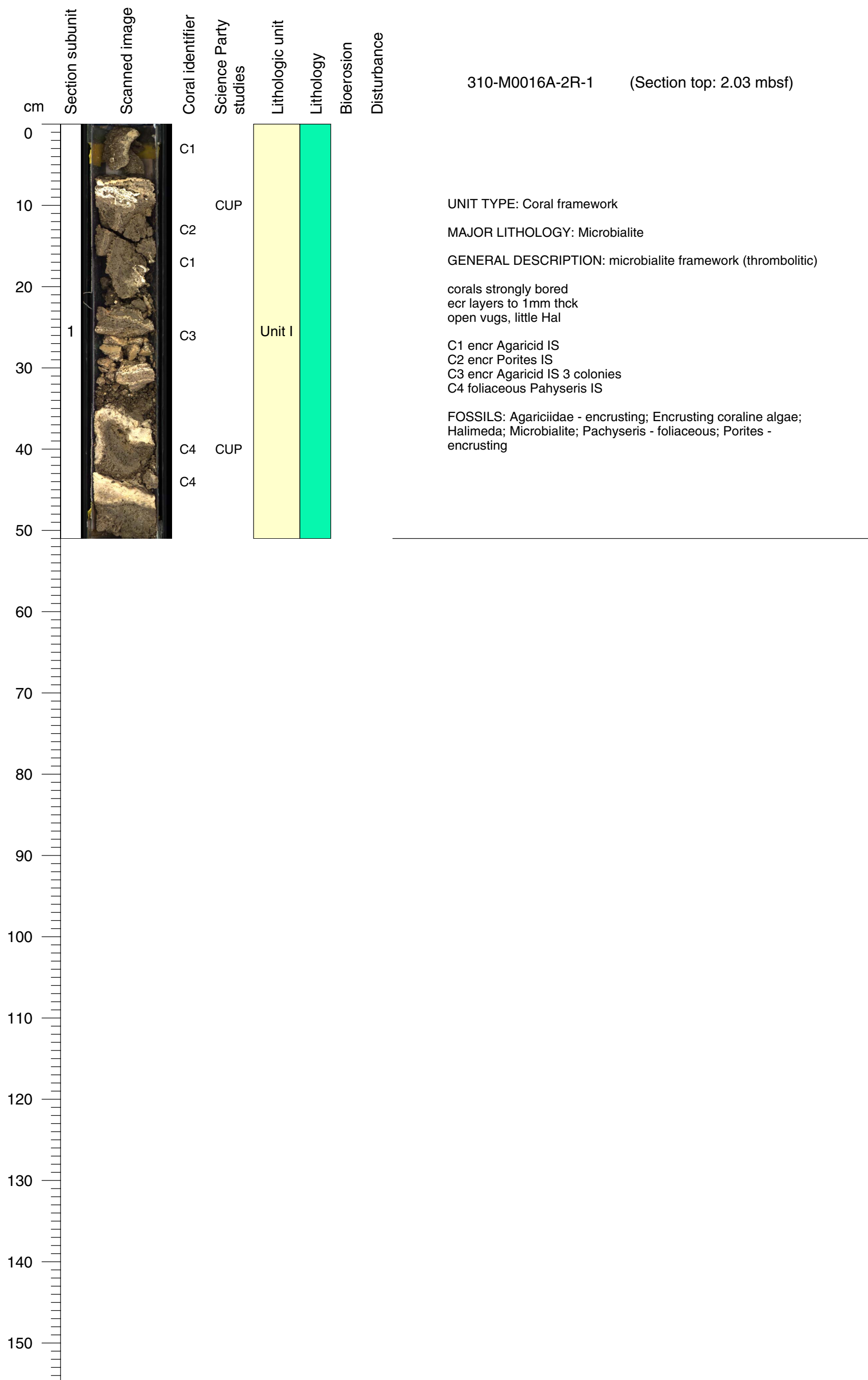
Core Photo

310-M0016A-1R-1 (Section top: 0.53 mbsf)

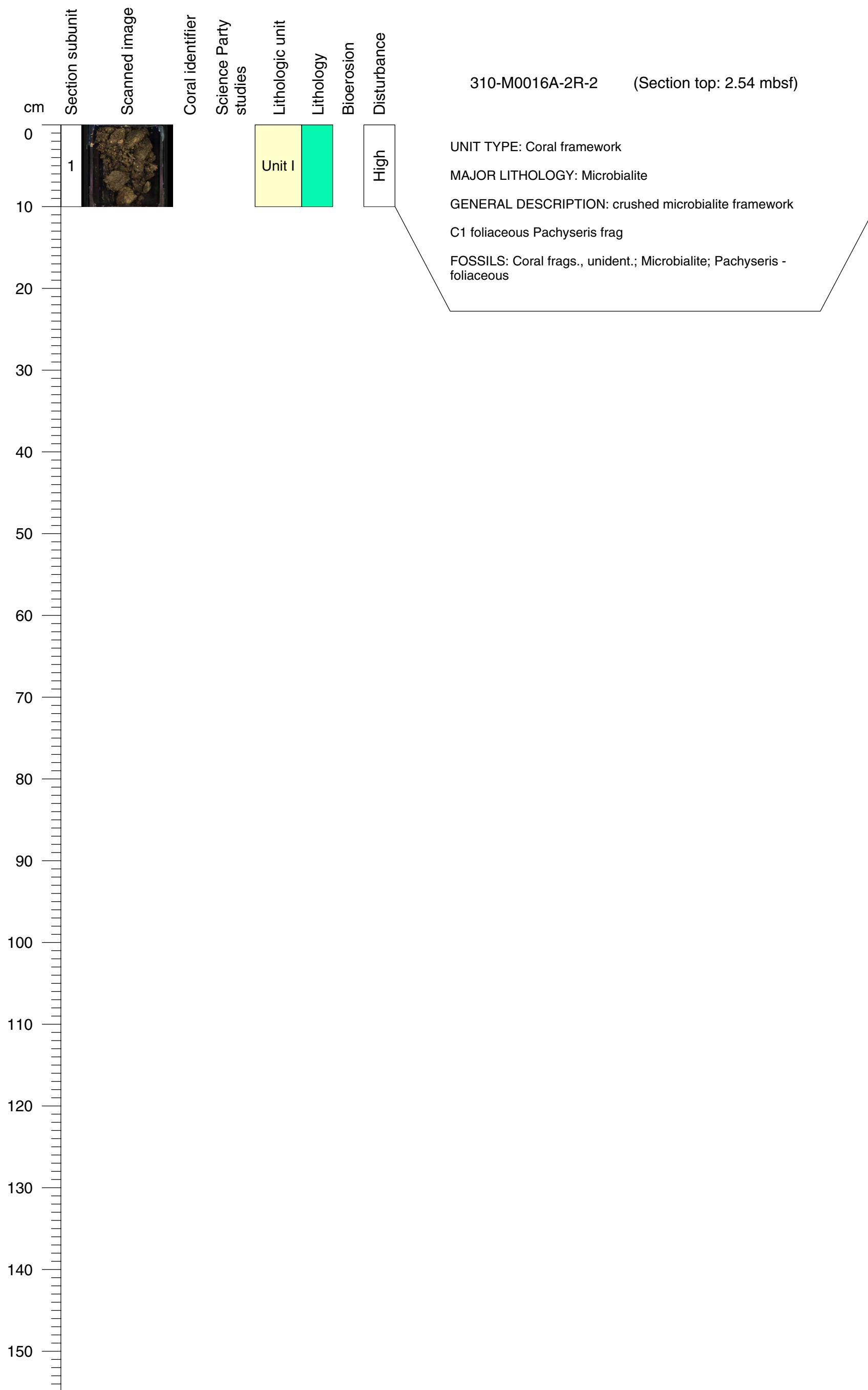


Core Photo

310-M0016A-2R-1 (Section top: 2.03 mbsf)

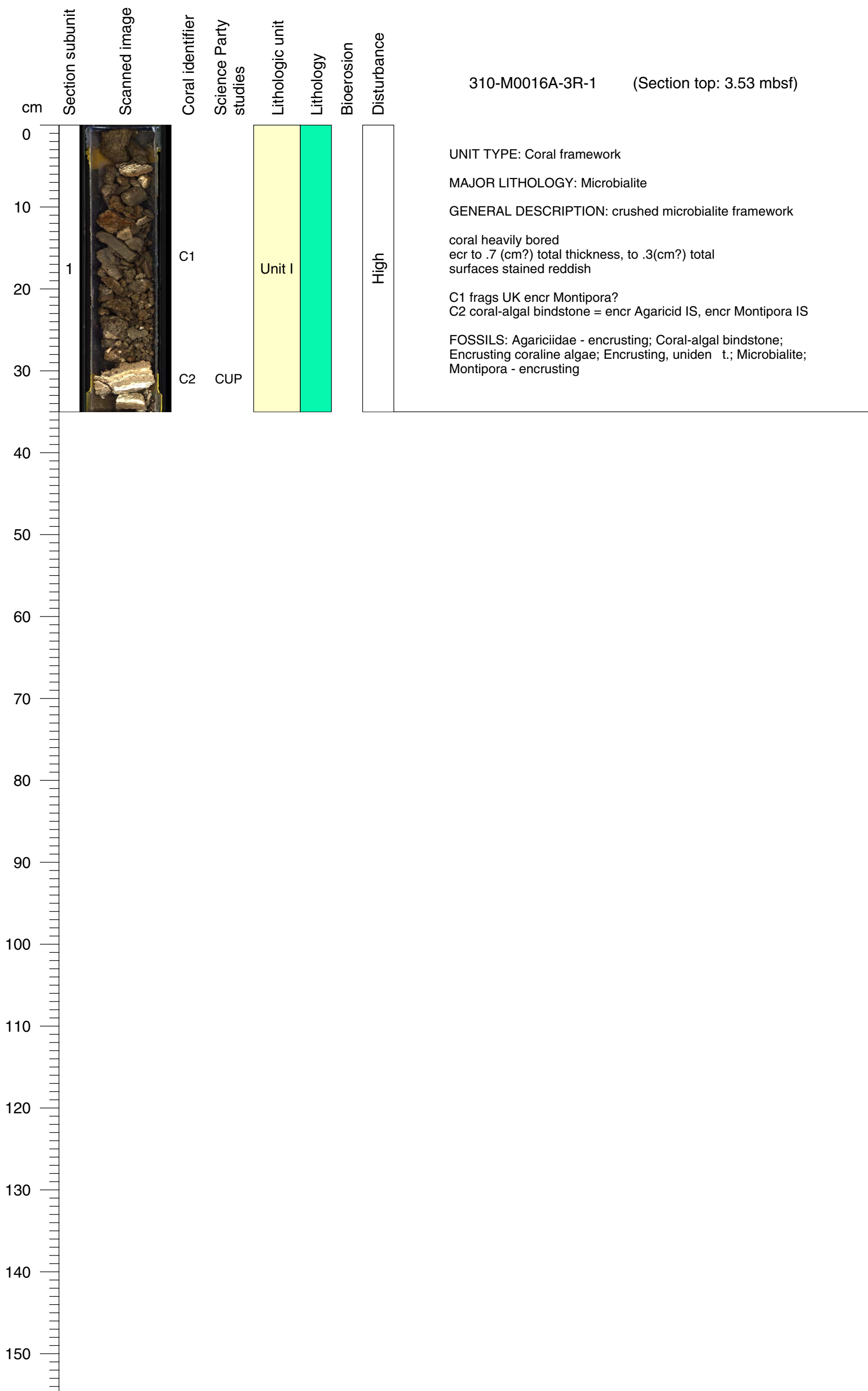


**Core Photo**



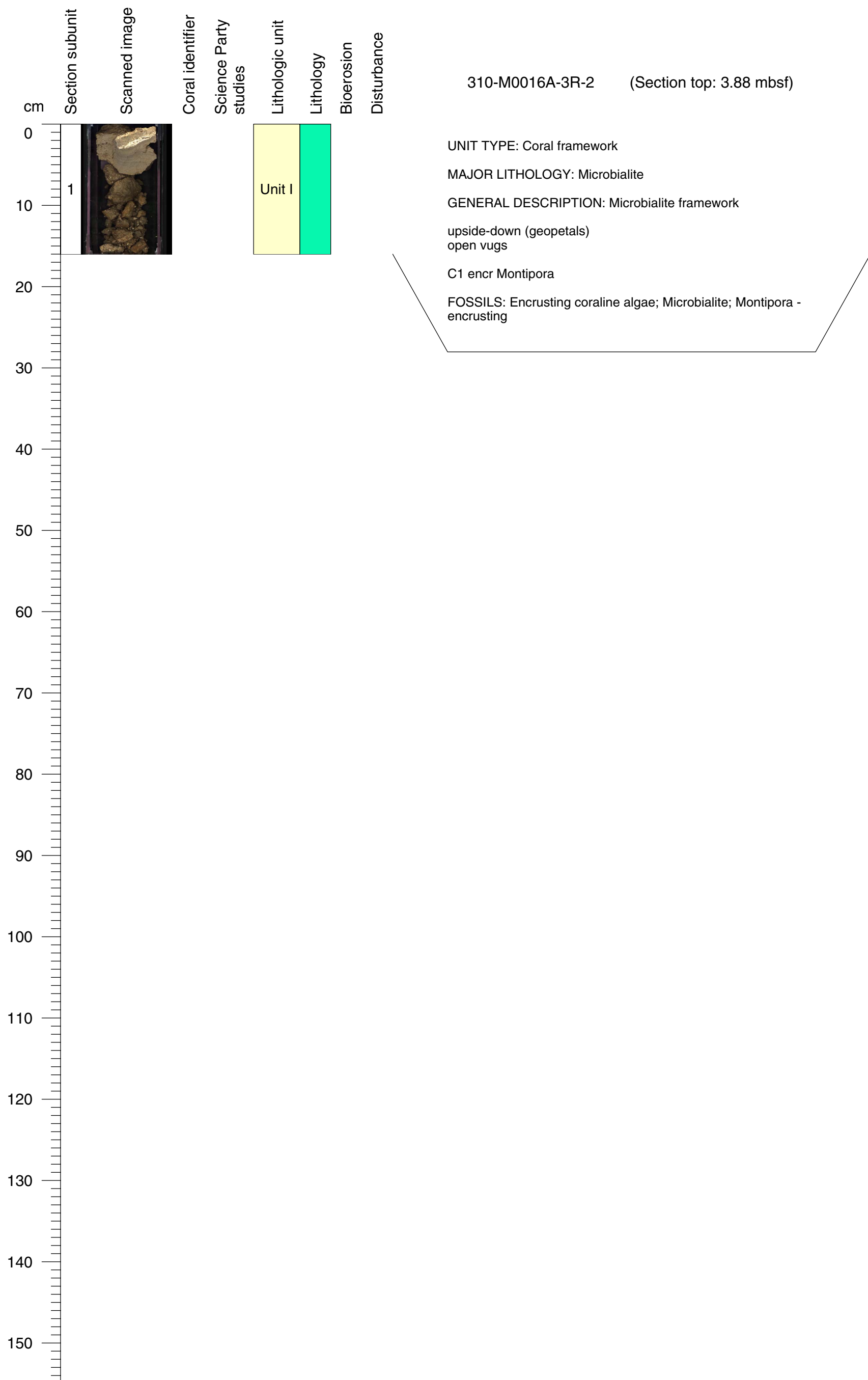
**Core Photo**

310-M0016A-3R-1 (Section top: 3.53 mbsf)

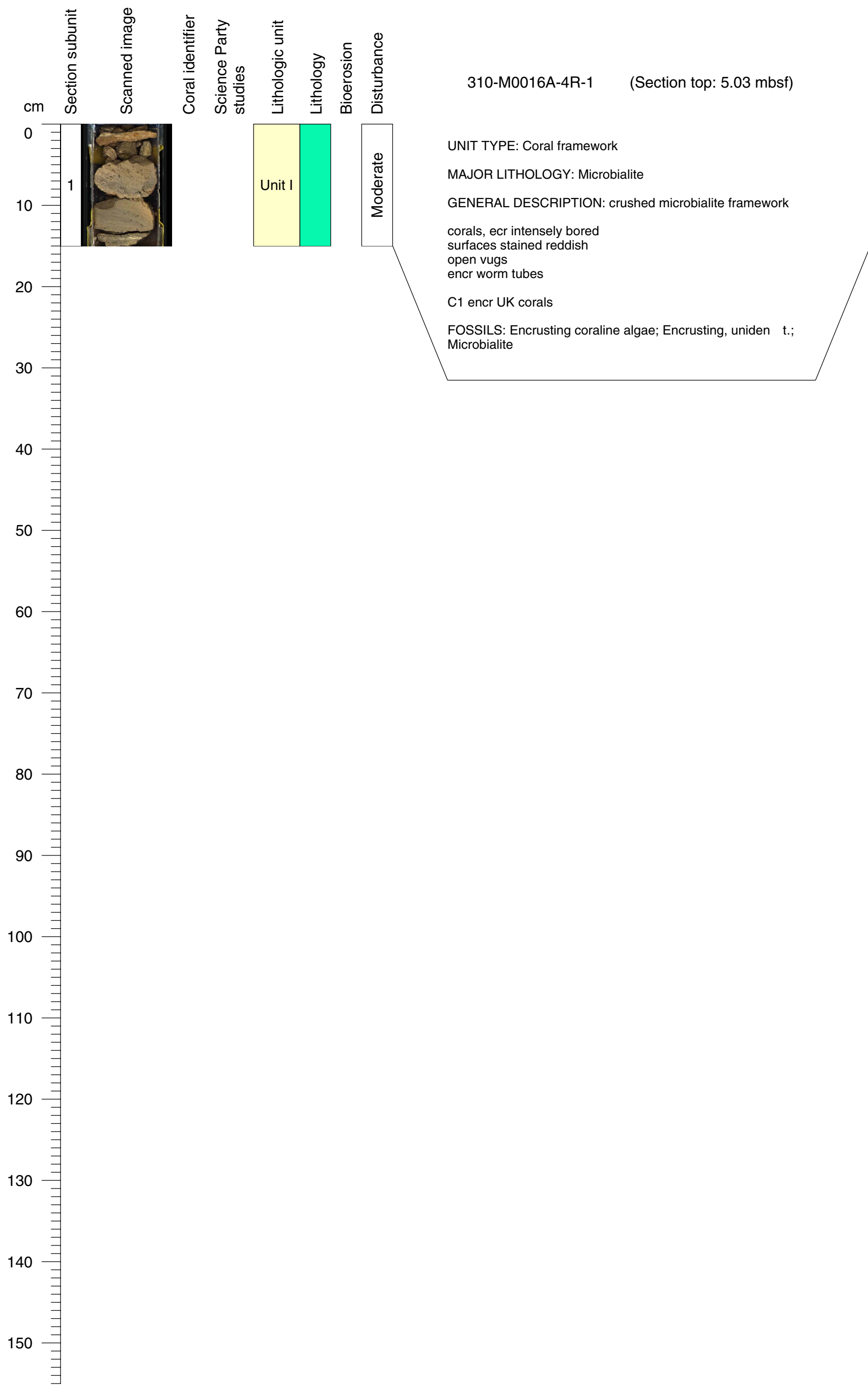




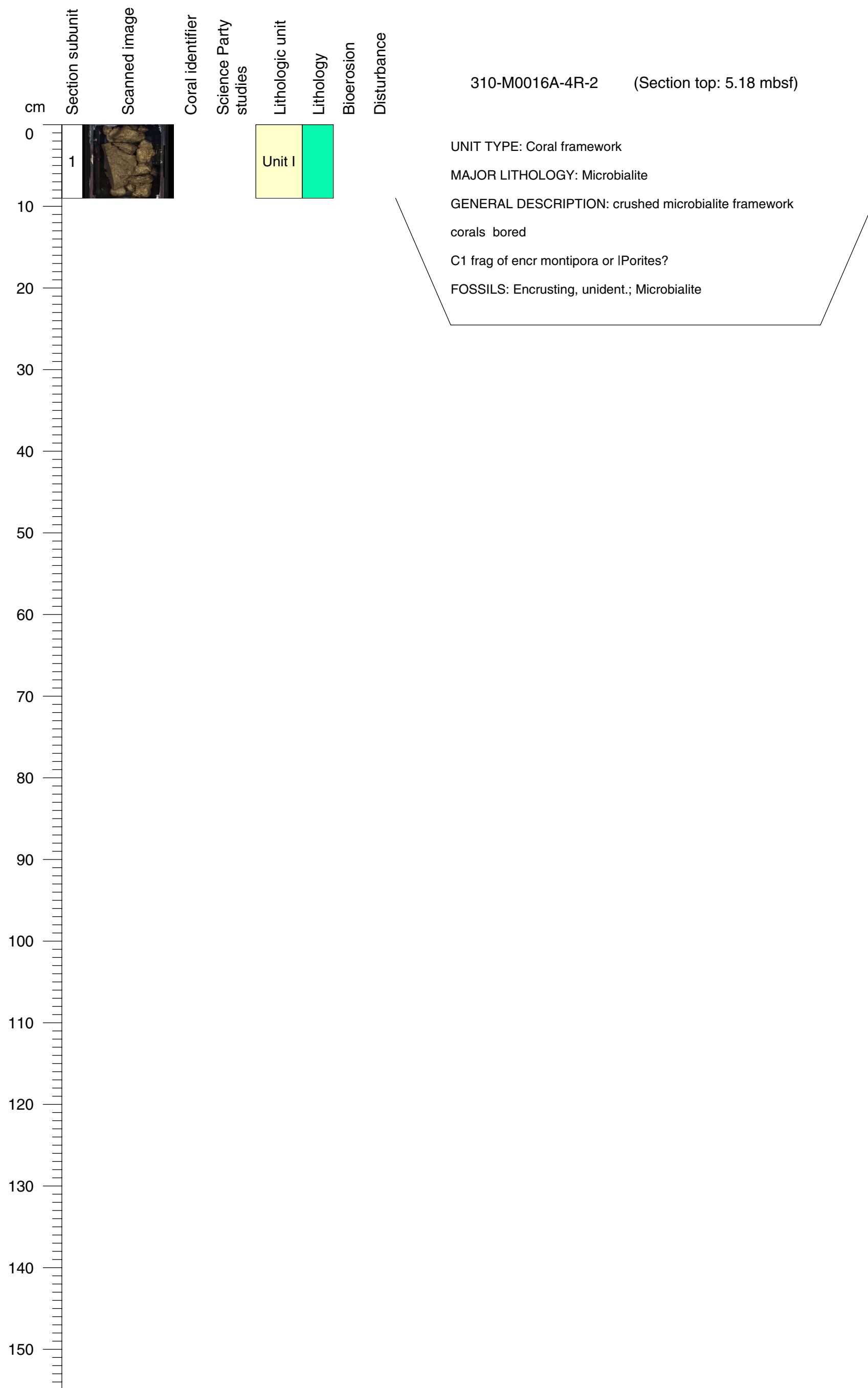
**Core Photo**



**Core Photo**

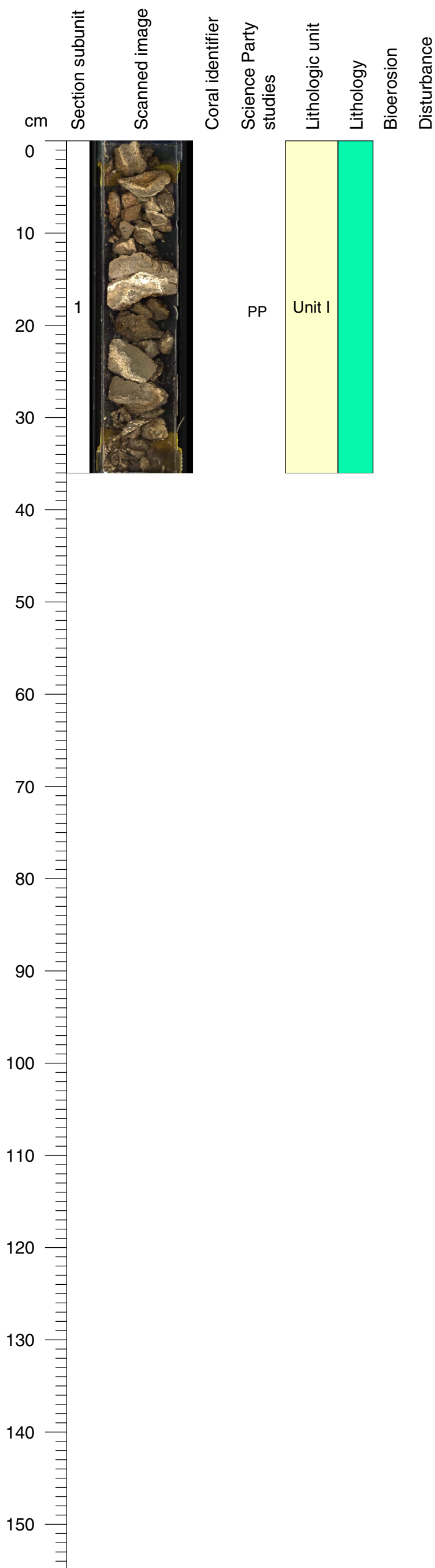


**Core Photo**



Core Photo

310-M0016A-5R-1 (Section top: 5.64 mbsf)



UNIT TYPE: Coral framework

MAJOR LITHOLOGY: Microbialite

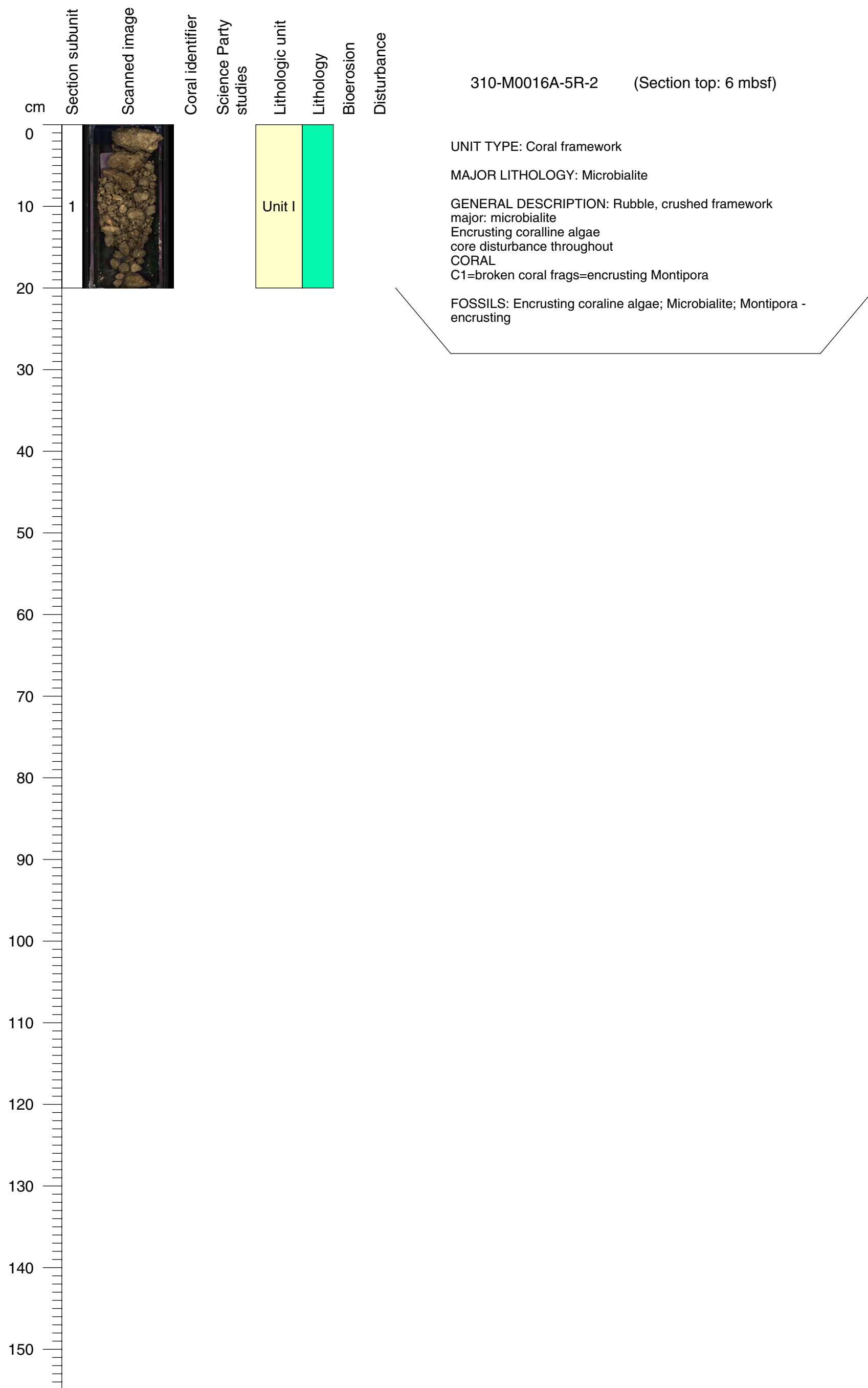
GENERAL DESCRIPTION: Framework crushed?  
 major: microbialite (knobby)  
 thick encrusting coralline algae (up to 1.5cm thick)  
 intense bioturbation  
 Halimeda  
 little staining of surfaces

CORAL:  
 broken coral frags  
 br Pocillopora  
 enc Montipora?  
 enc Acanthastrea?  
 foliaceous Agariciid

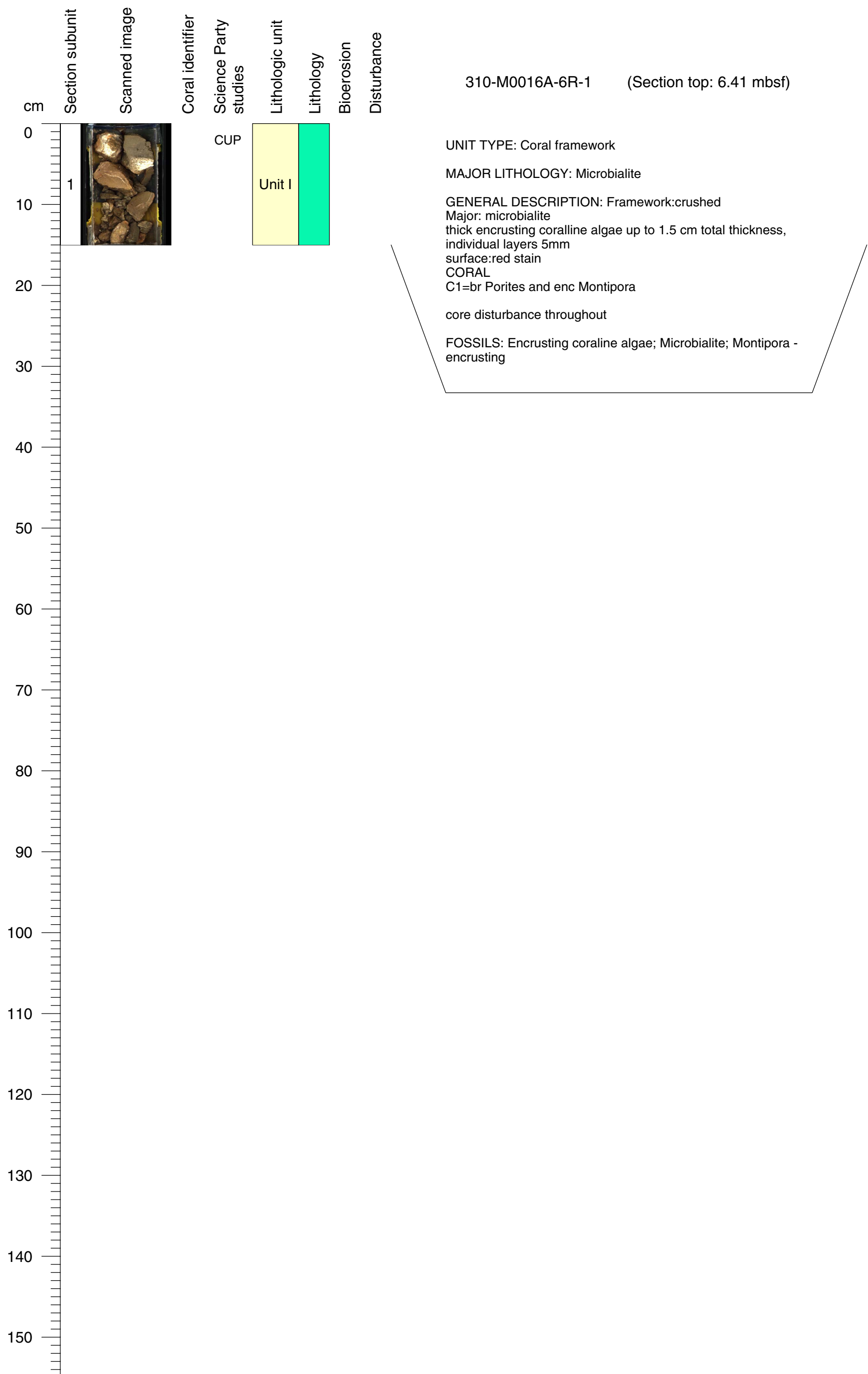
FOSSILS: Agariciidae - foliaceous; Encrusting coralline algae;  
 Halimeda; Microbialite; Montipora - encrusting; Other coral;  
 Pocillopora - branching



**Core Photo**

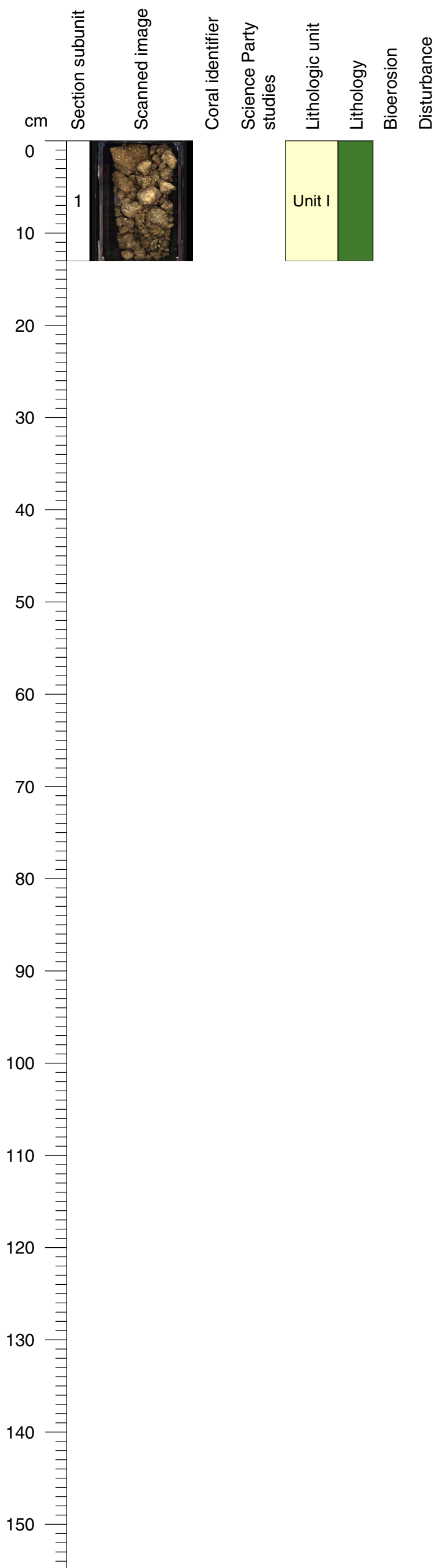


**Core Photo**



**Core Photo**

310-M0016A-6R-2 (Section top: 6.56 mbsf)



UNIT TYPE: Rubble

MAJOR LITHOLOGY: Microbialite

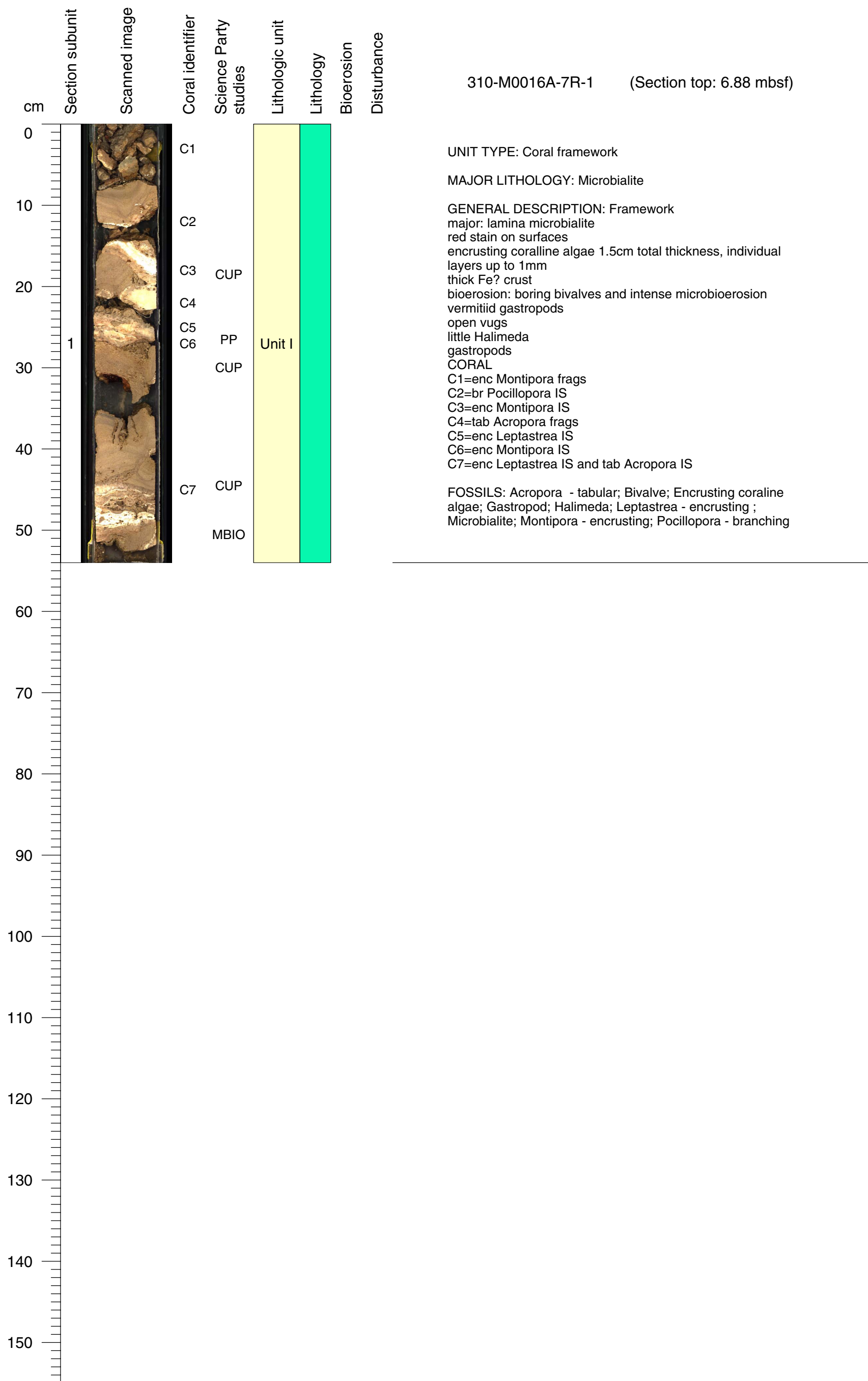
GENERAL DESCRIPTION: Rubble, crushed framework?  
 major: microbialite  
 coral frags  
 little encrusting coralline algae  
 few Halimeda  
**CORAL**  
 broken coral frags  
 C1=enc Montipora and enc Porites

FOSSILS: Encrusting coralline algae; Halimeda; Microbialite;  
 Montipora - encrusting; Porites - encrusting



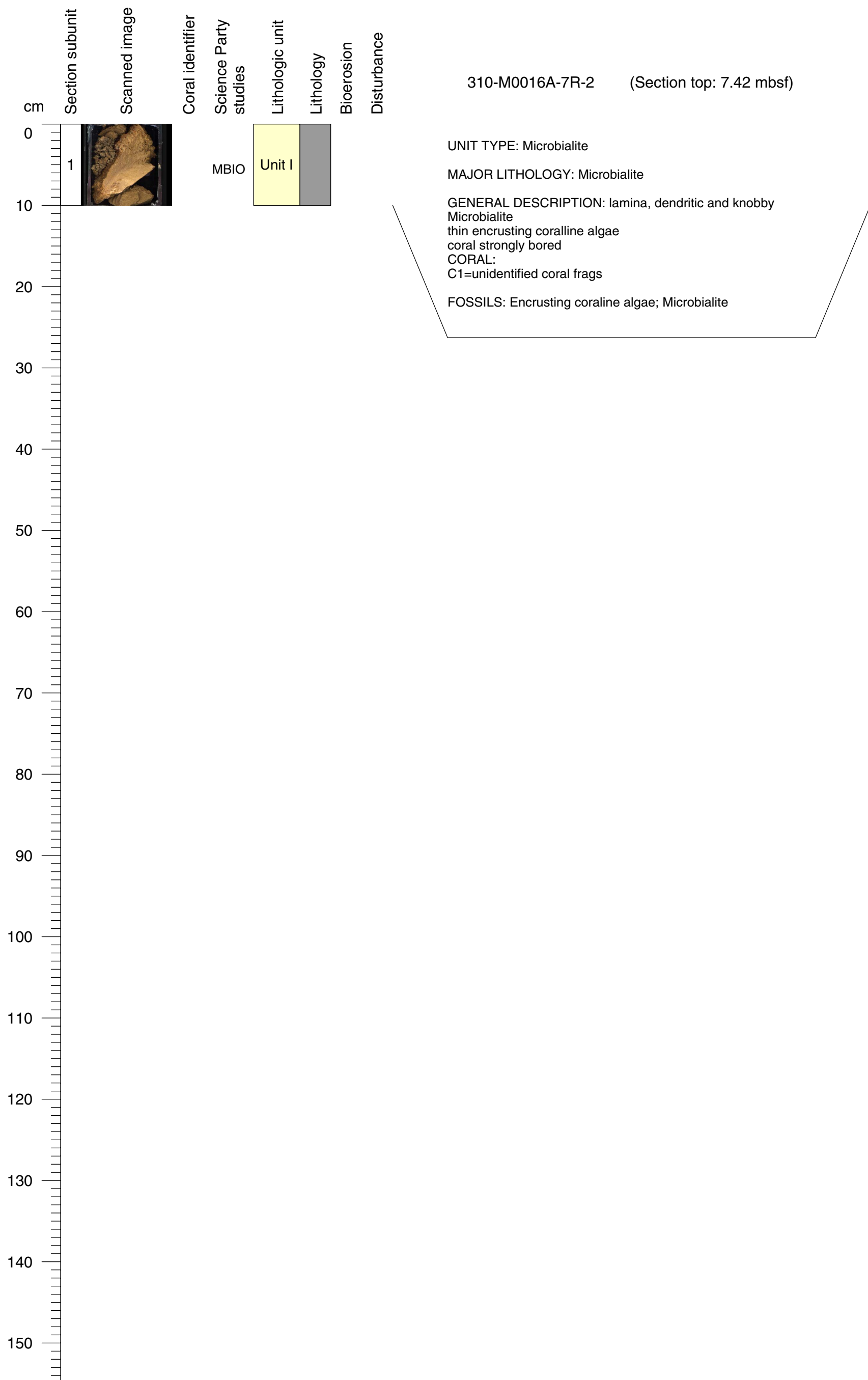
Core Photo

310-M0016A-7R-1 (Section top: 6.88 mbsf)



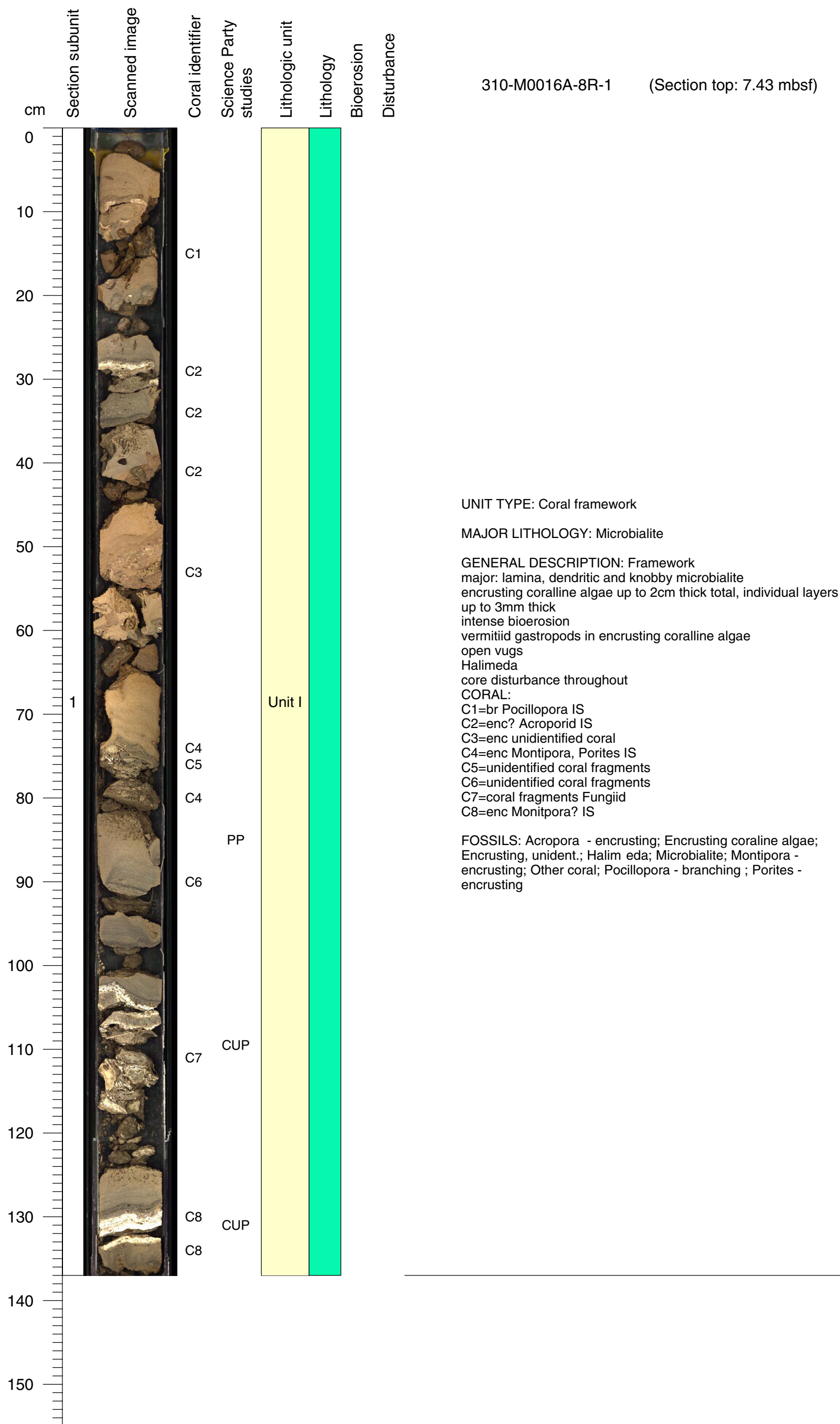


**Core Photo**



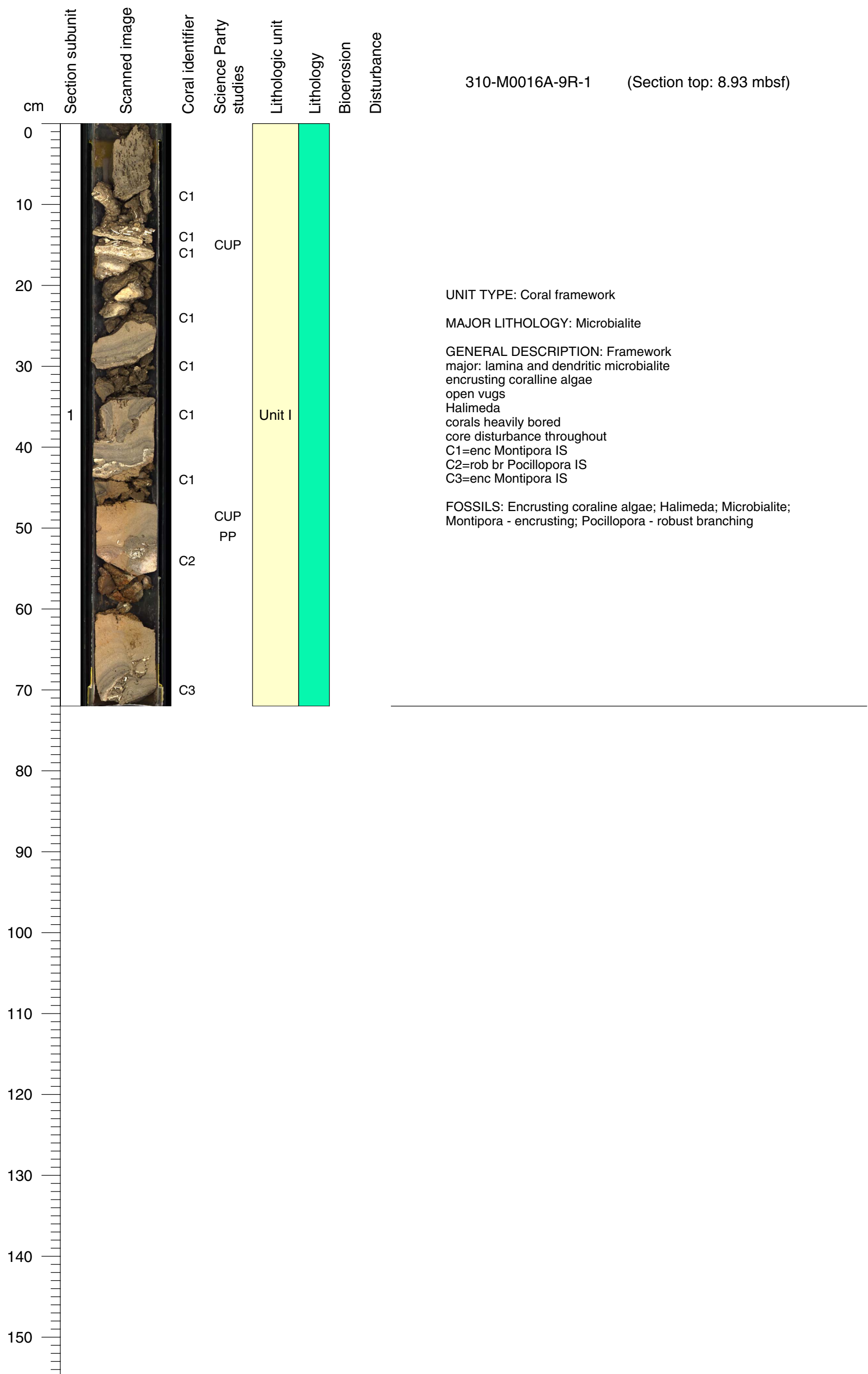
Core Photo

310-M0016A-8R-1 (Section top: 7.43 mbsf)

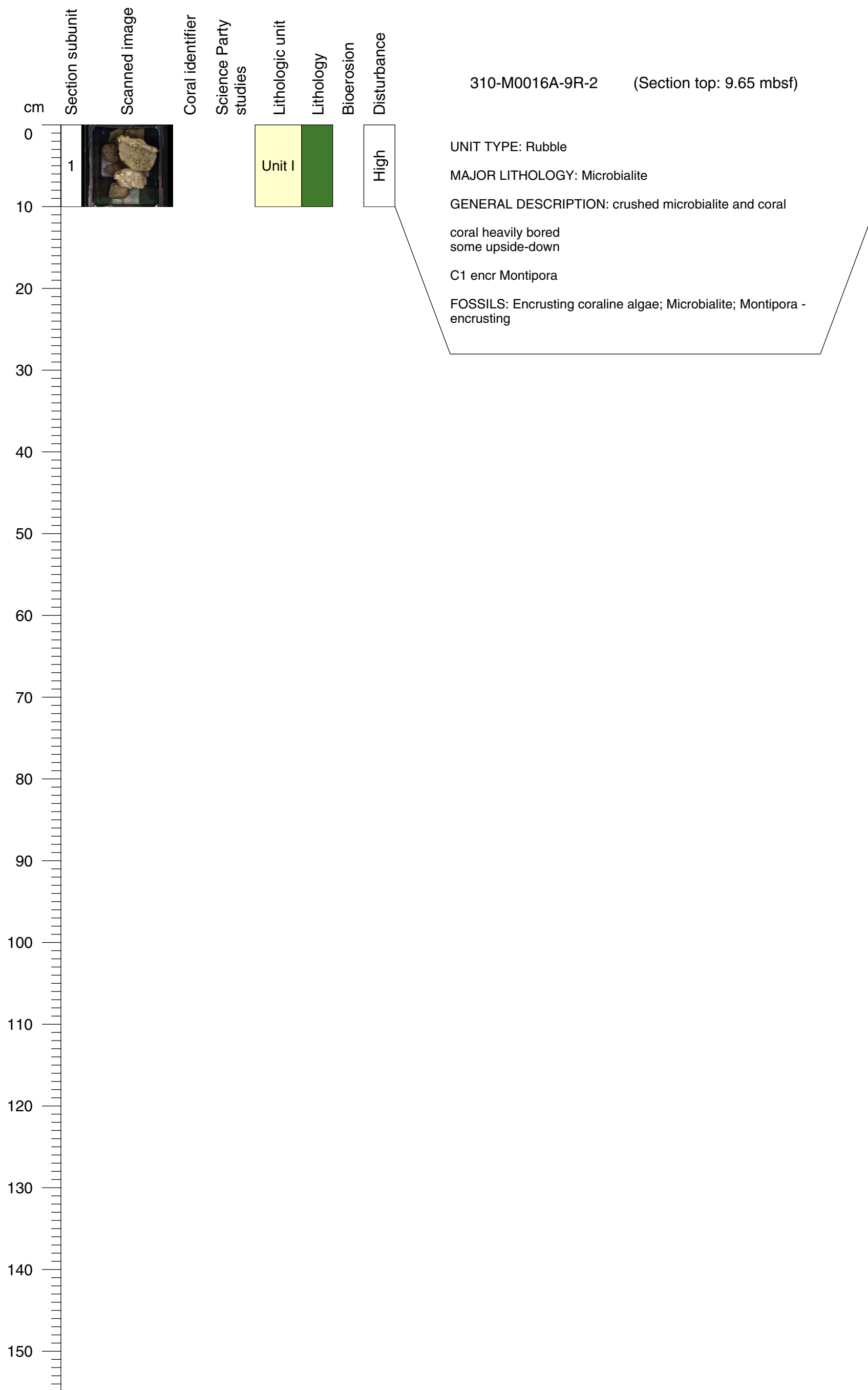


Core Photo

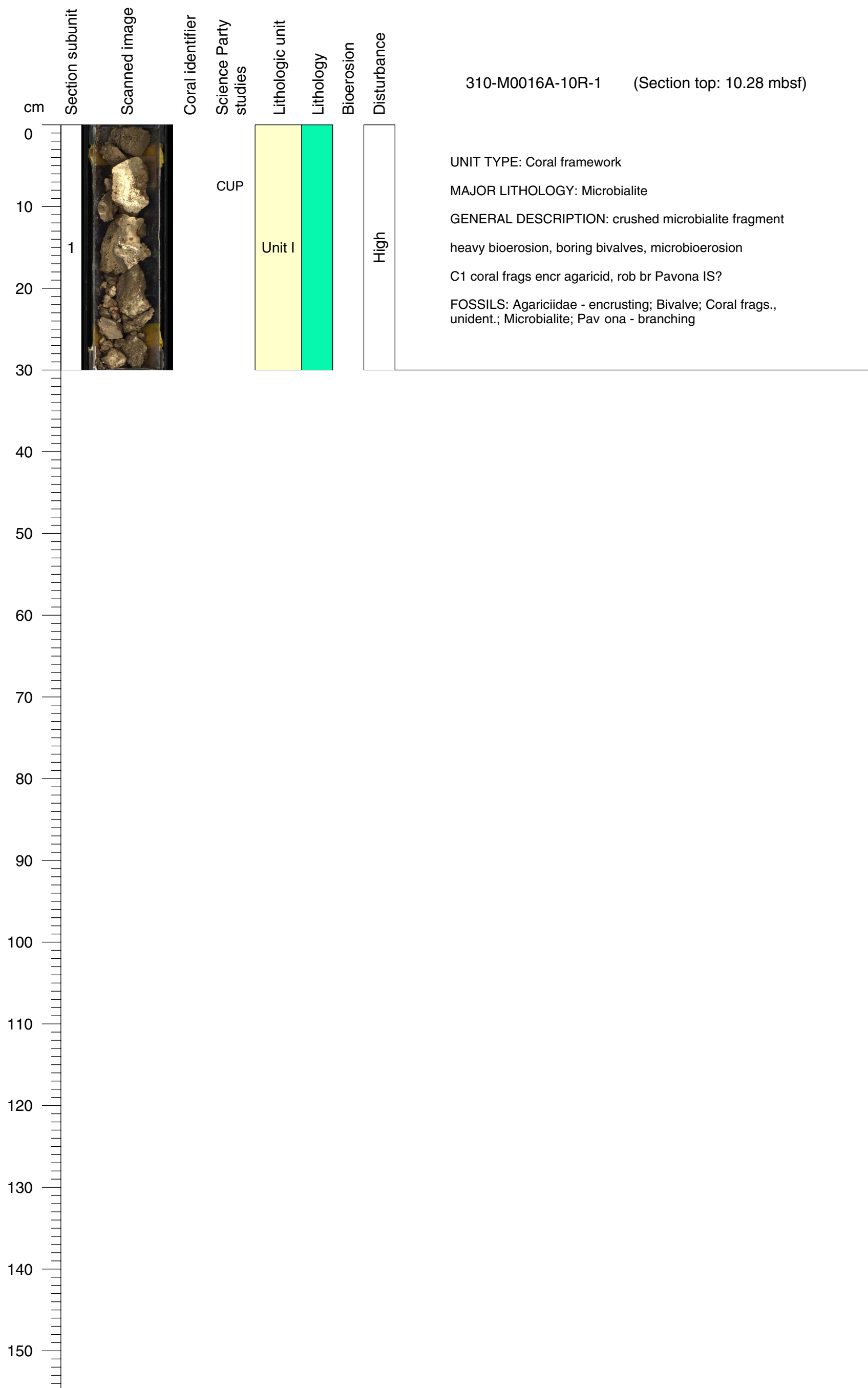
310-M0016A-9R-1 (Section top: 8.93 mbsf)



**Core Photo**

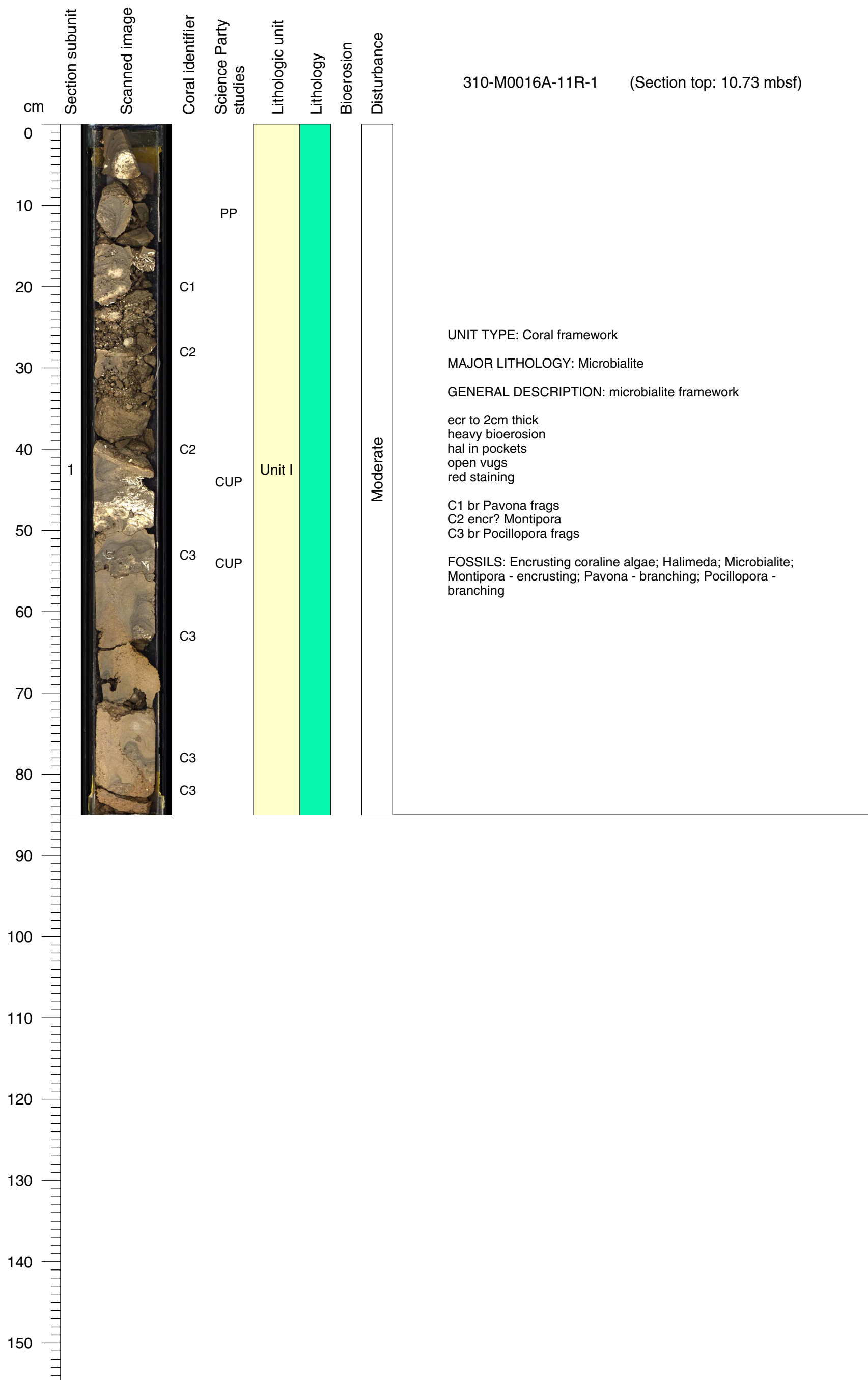


**Core Photo**

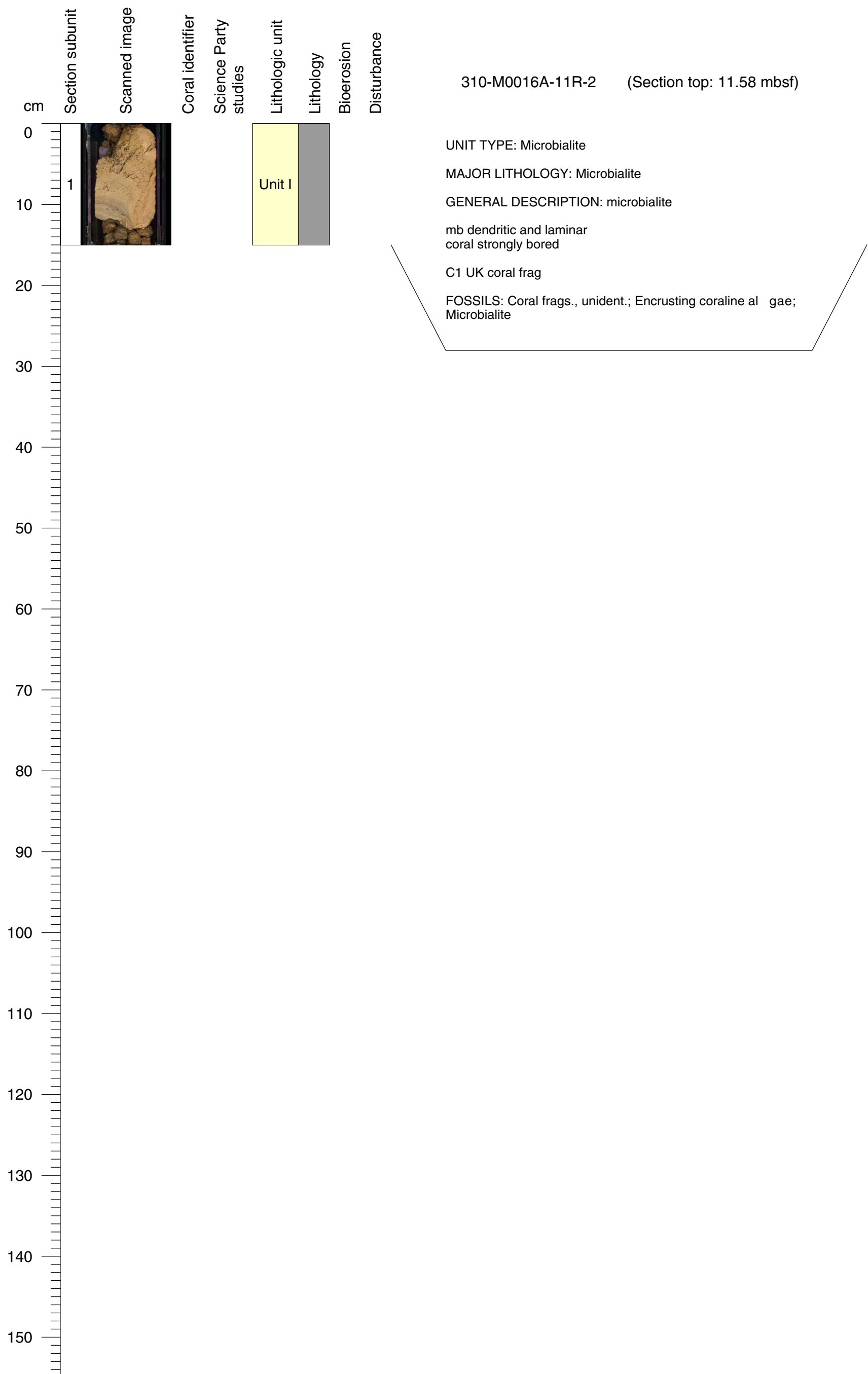


Core Photo

310-M0016A-11R-1 (Section top: 10.73 mbsf)

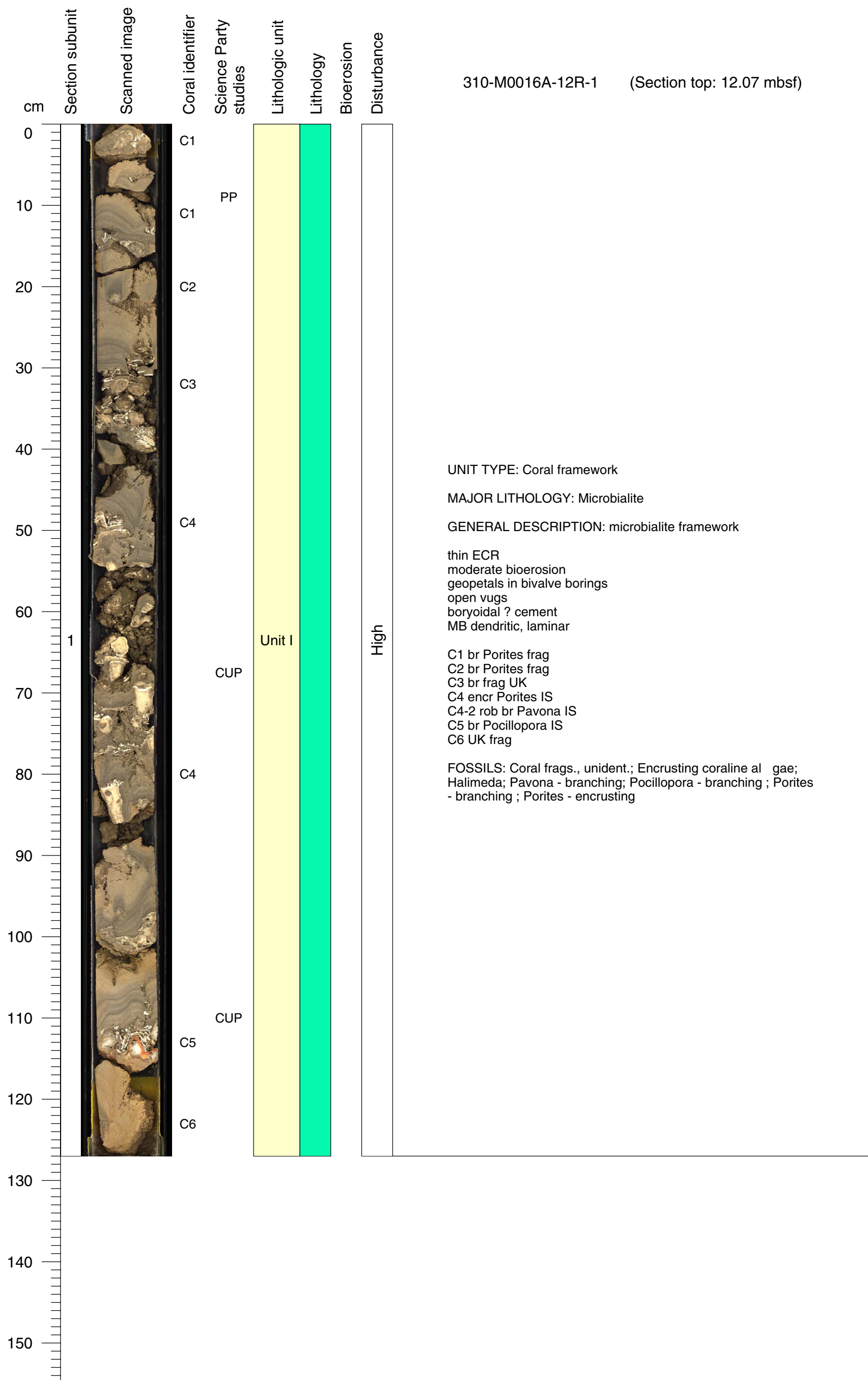


**Core Photo**



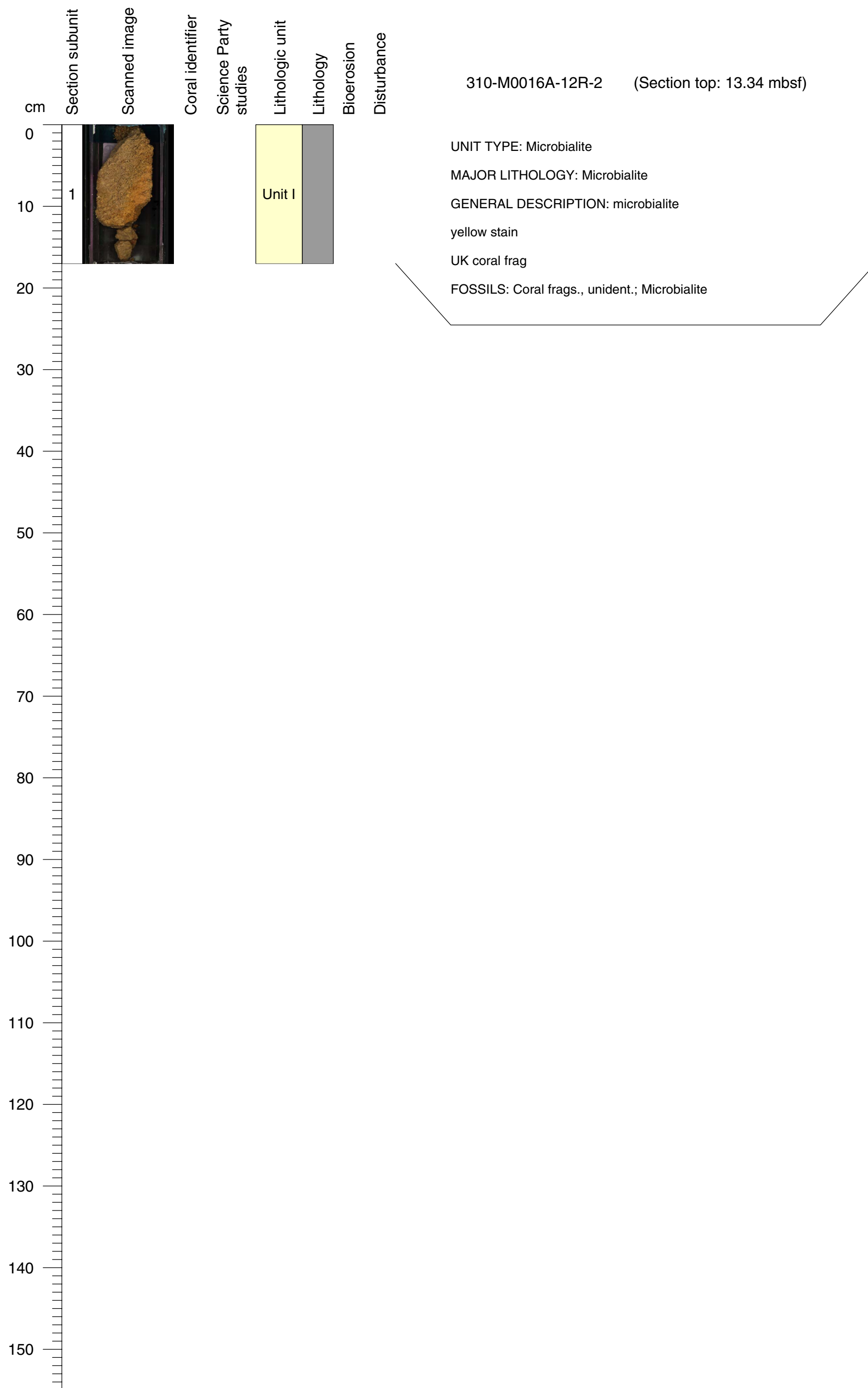
Core Photo

310-M0016A-12R-1 (Section top: 12.07 mbsf)

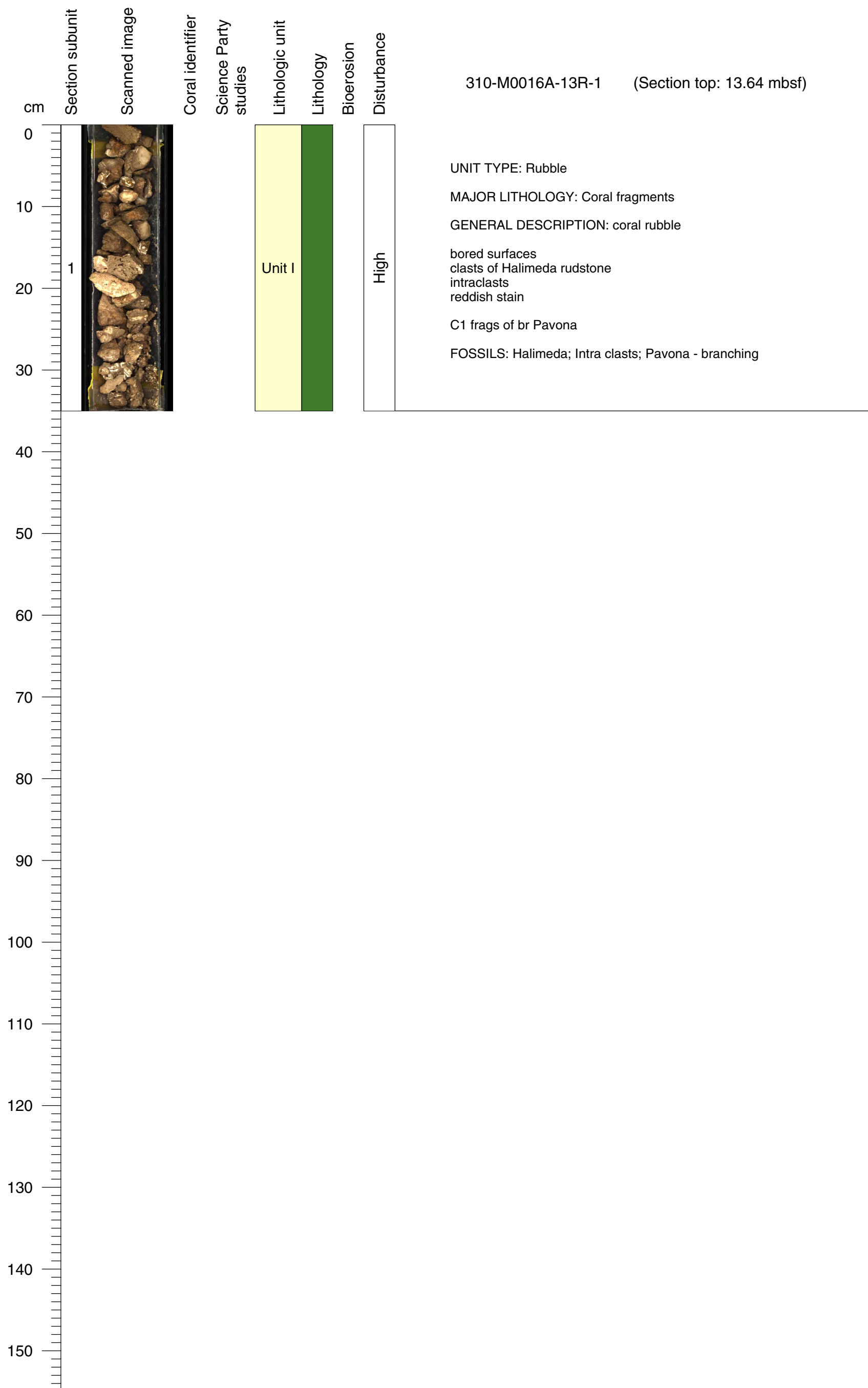




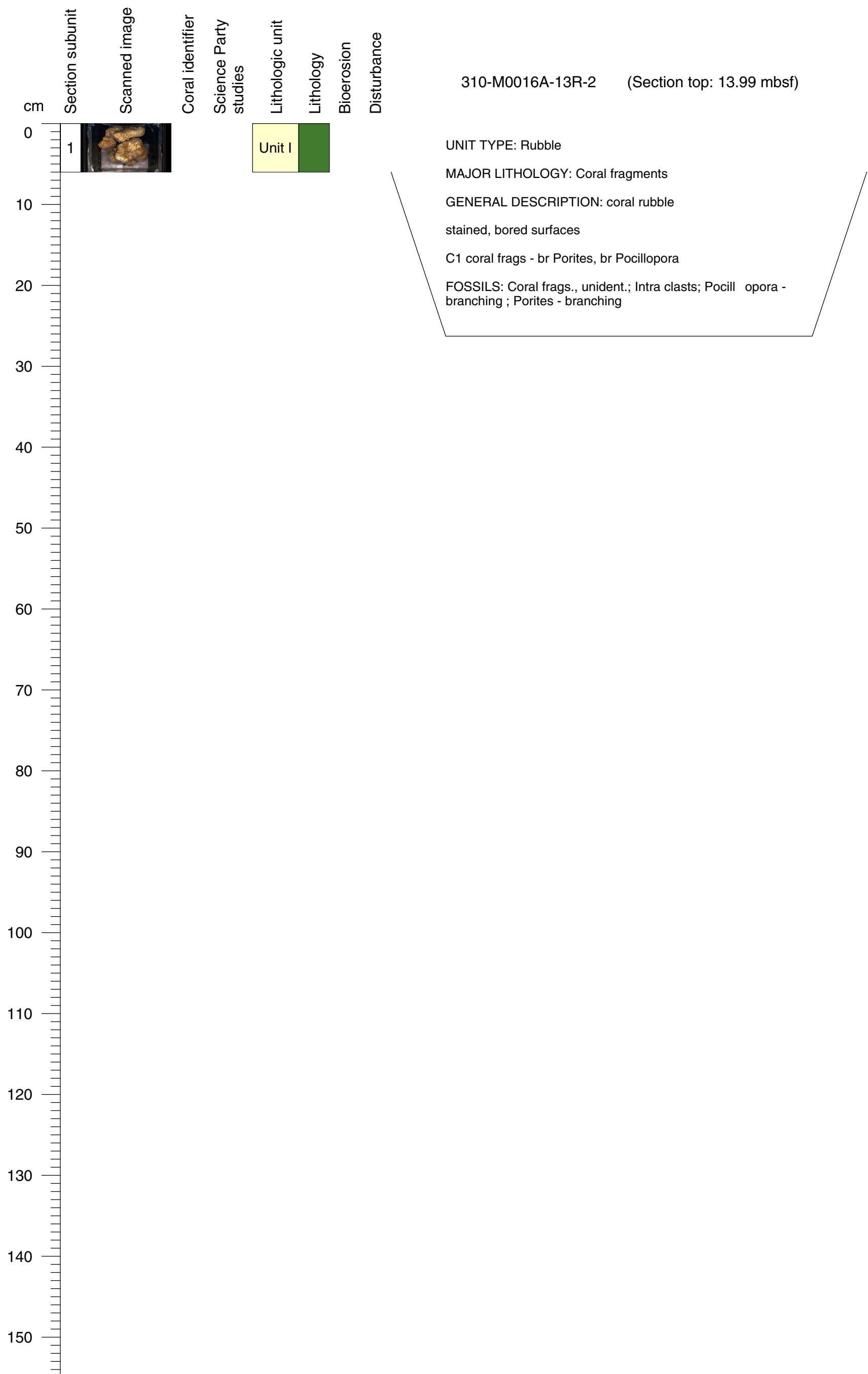
Core Photo



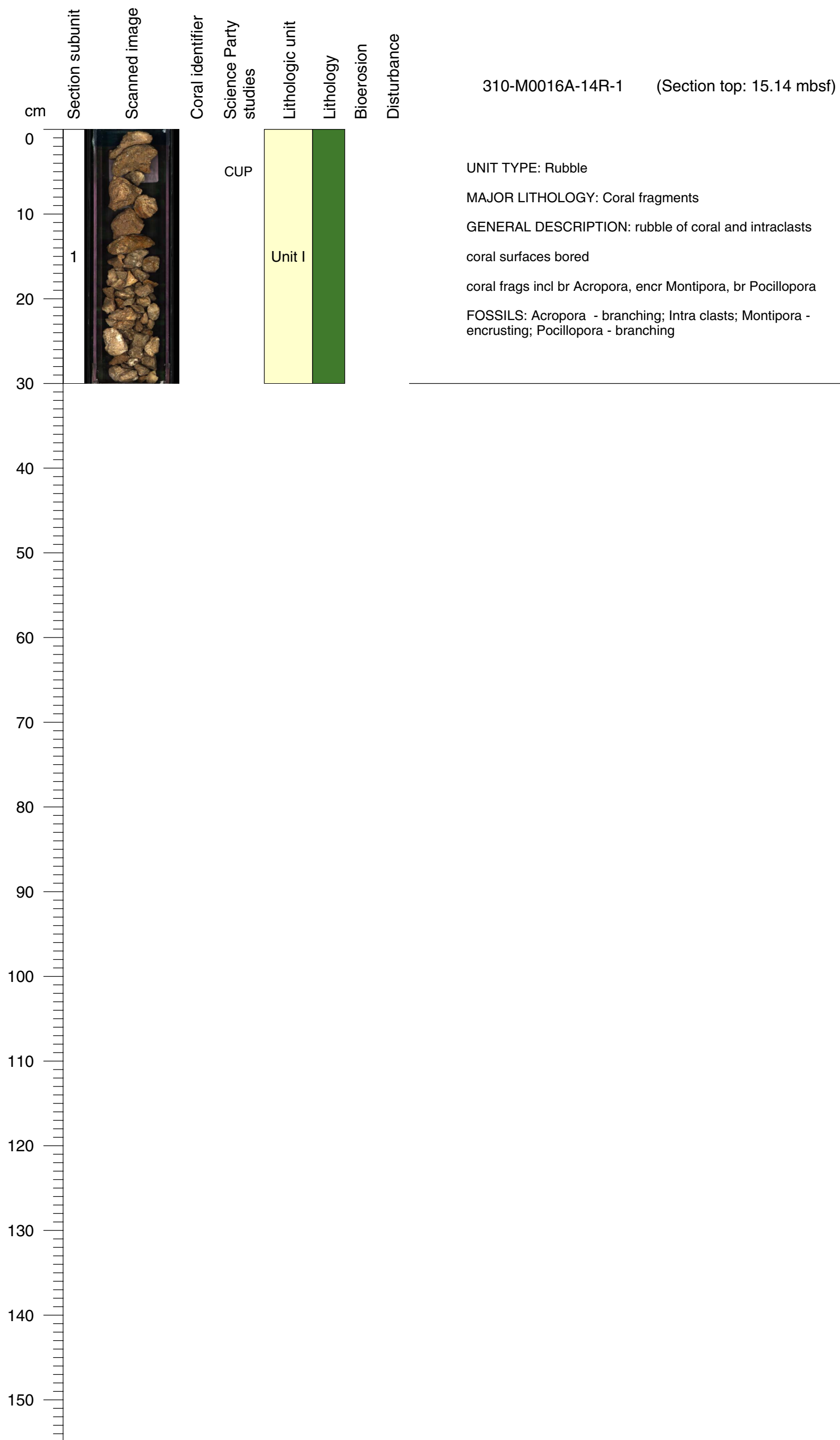
**Core Photo**



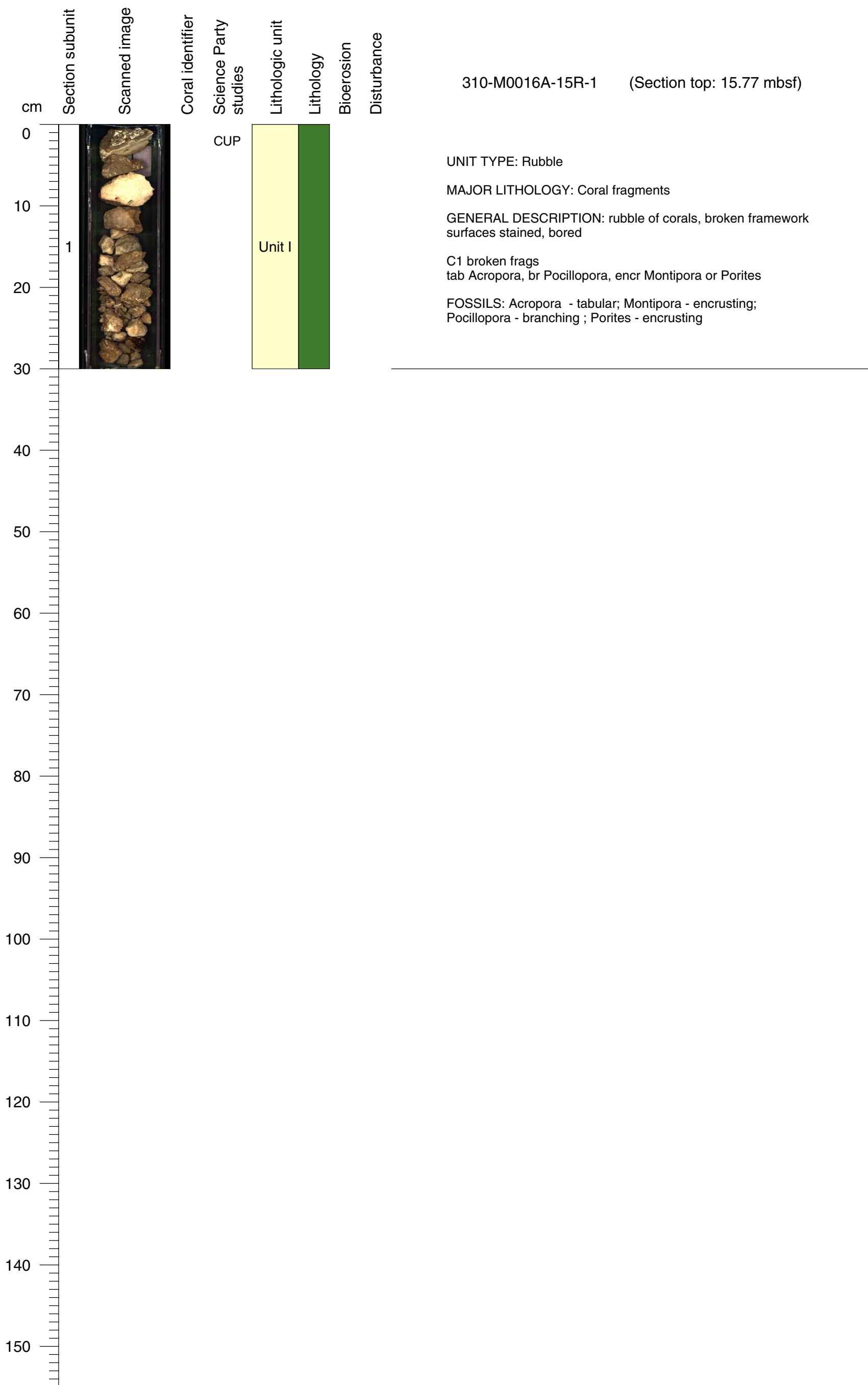
**Core Photo**



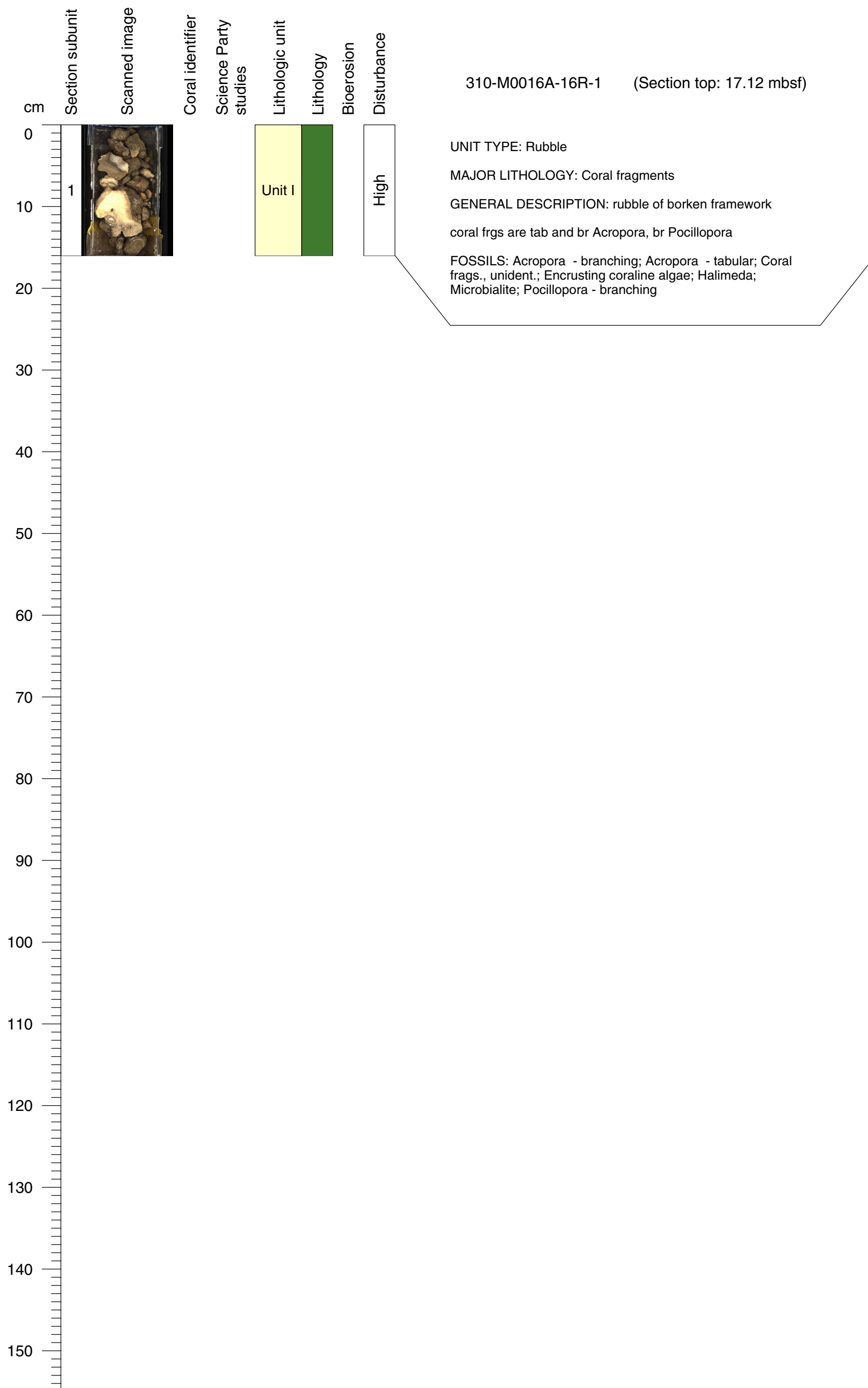
**Core Photo**



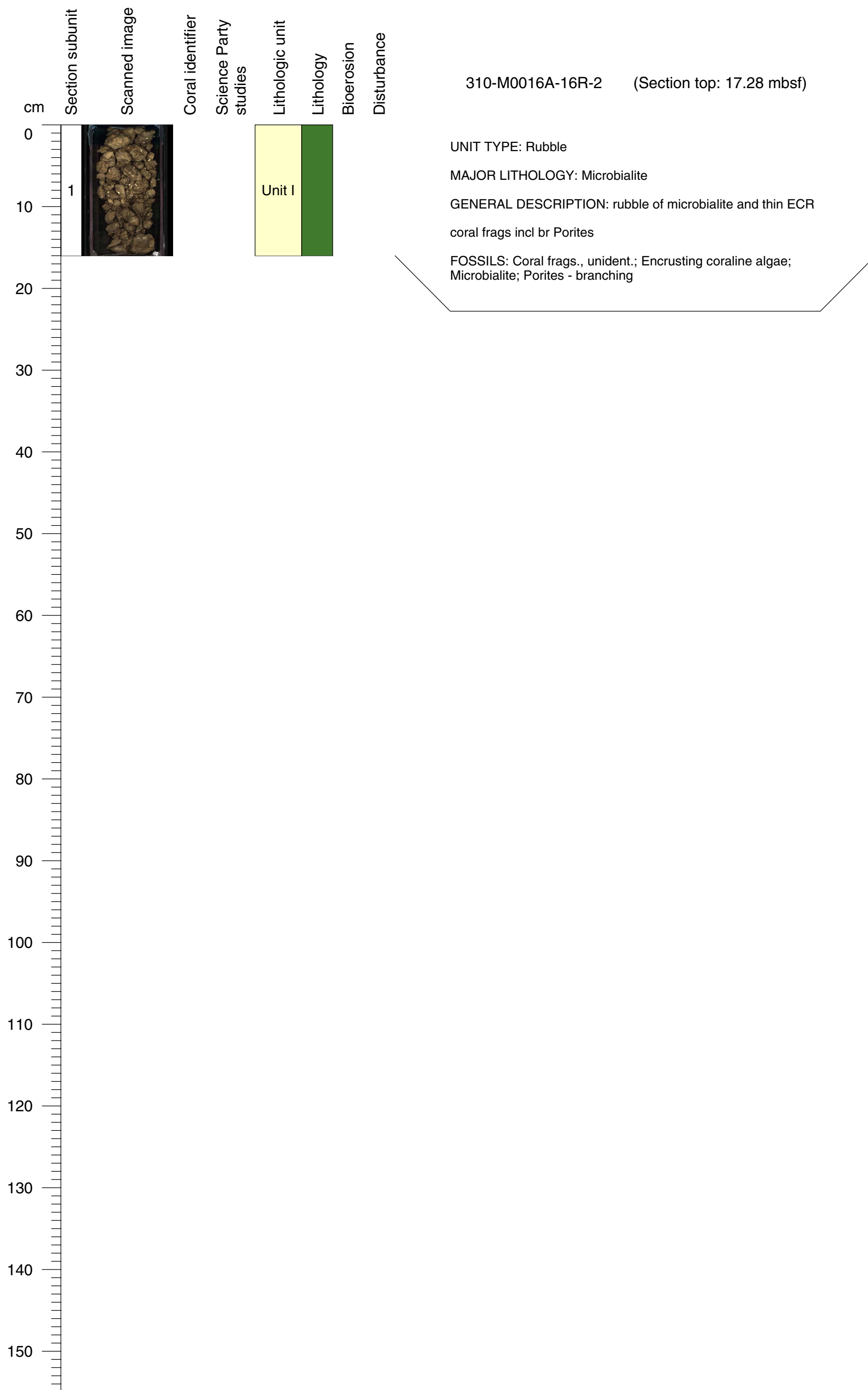
**Core Photo**



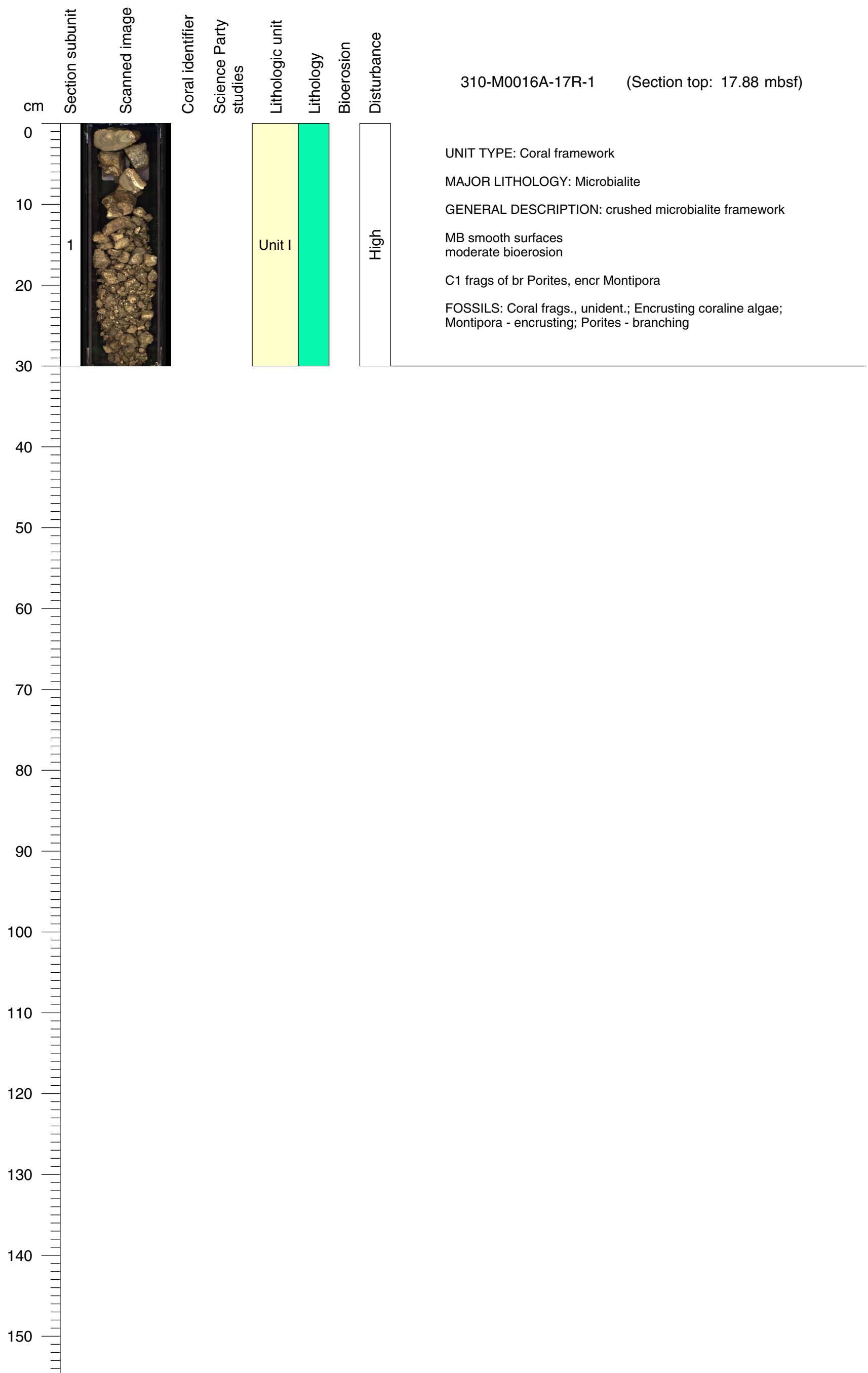
**Core Photo**



Core Photo



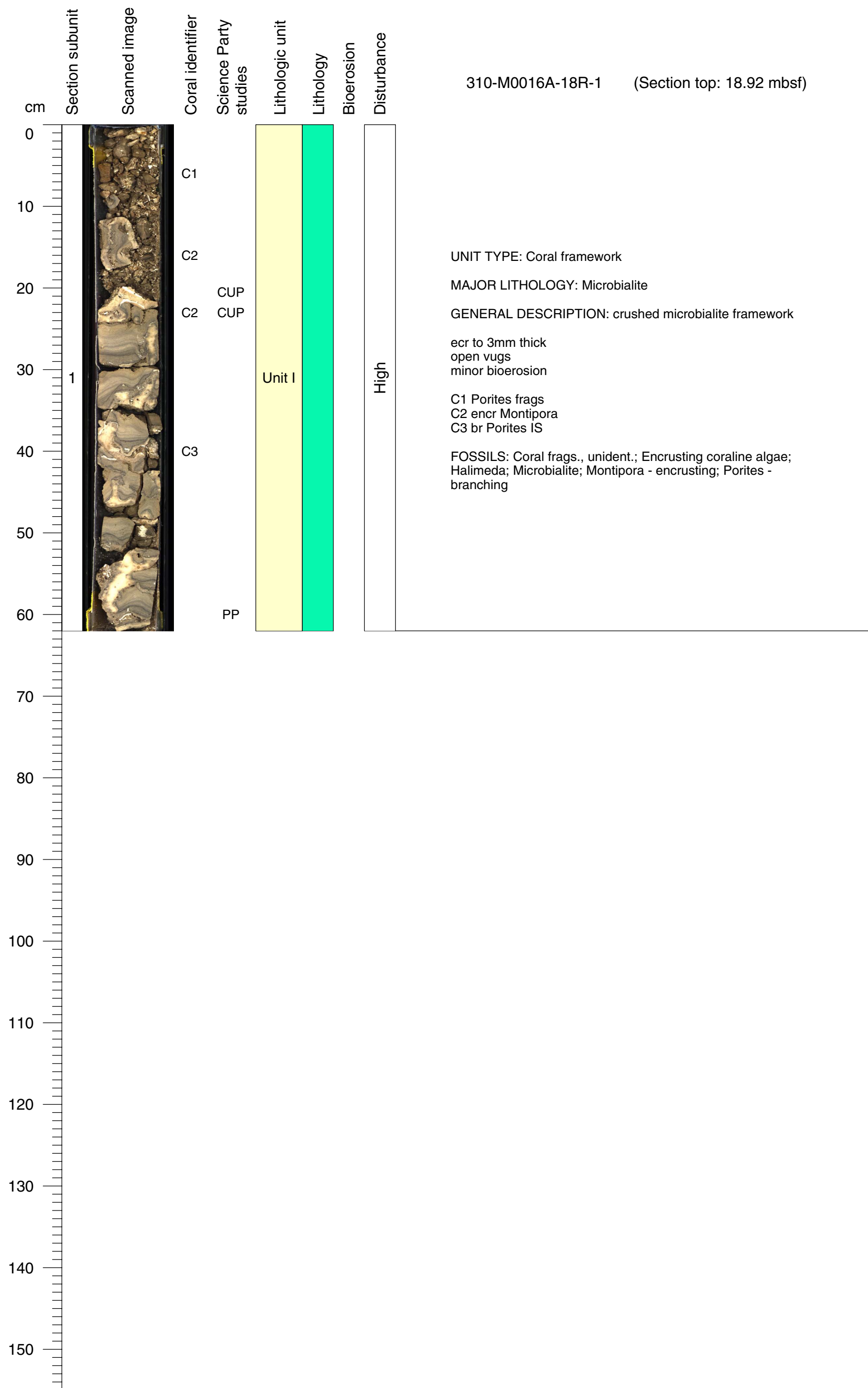
**Core Photo**



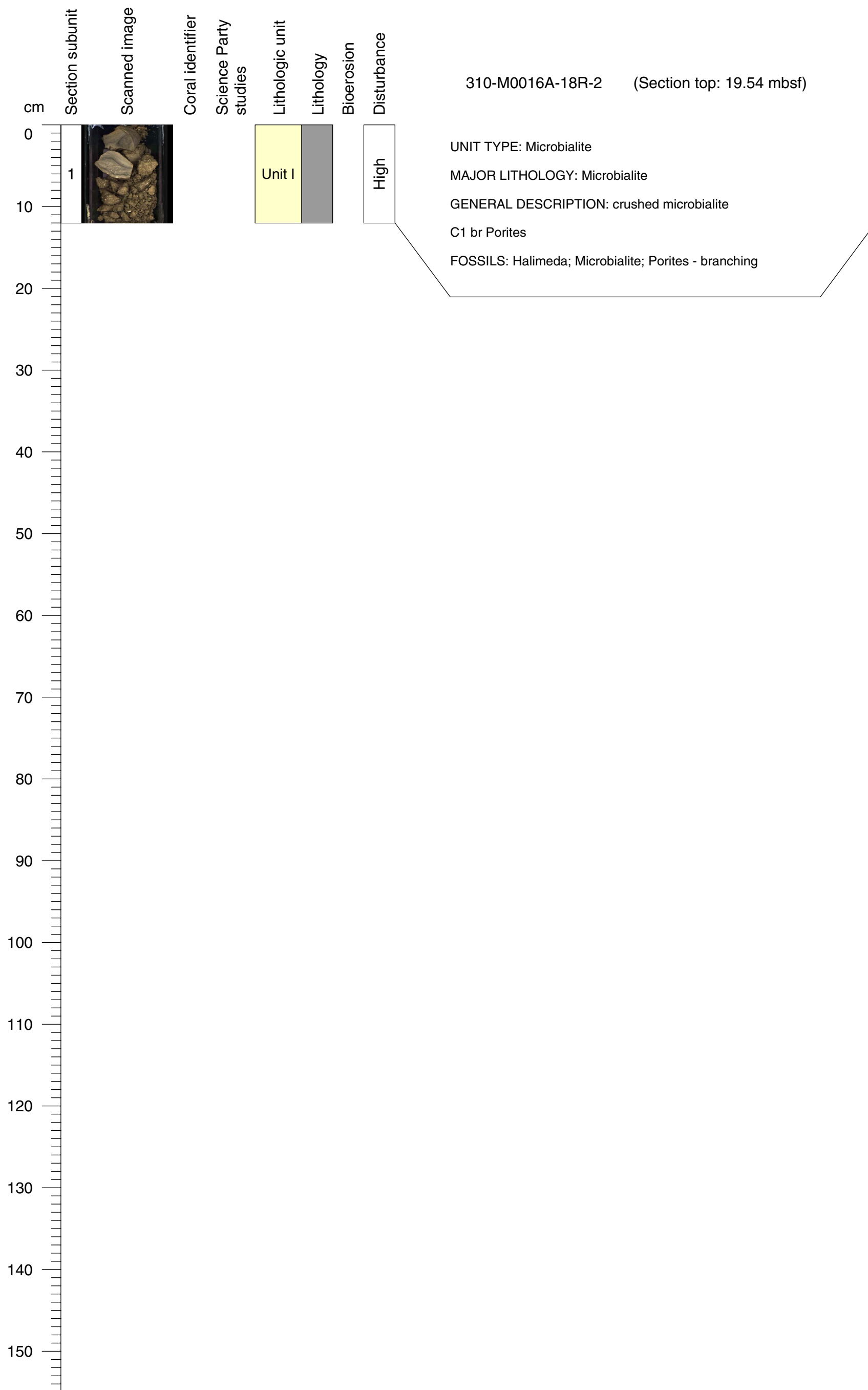


Core Photo

310-M0016A-18R-1 (Section top: 18.92 mbsf)

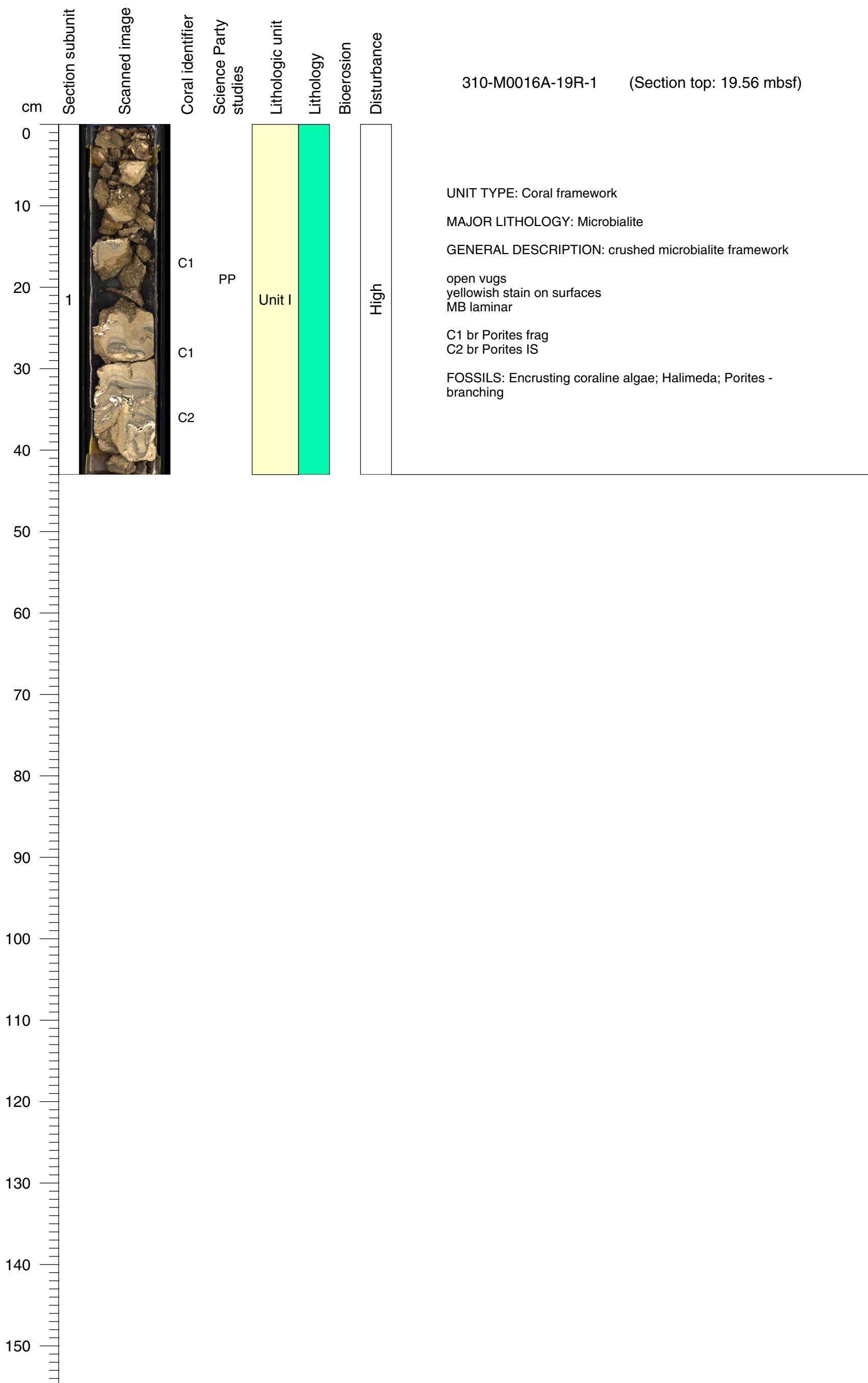


**Core Photo**



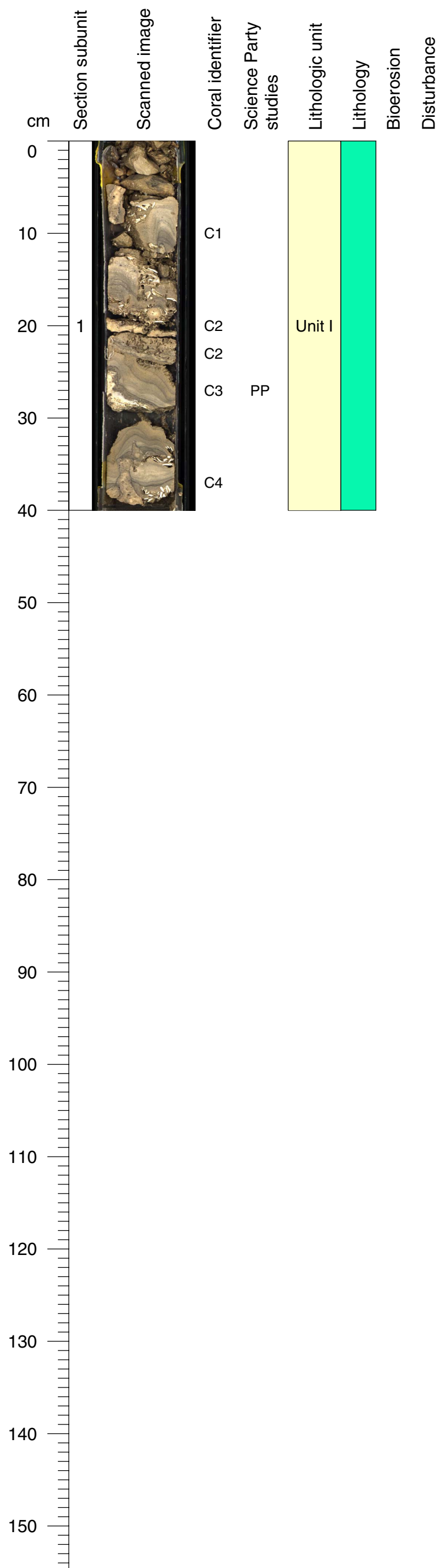
Core Photo

310-M0016A-19R-1 (Section top: 19.56 mbsf)



Core Photo

310-M0016A-20R-1 (Section top: 19.88 mbsf)



UNIT TYPE: Coral framework

MAJOR LITHOLOGY: Microbialite

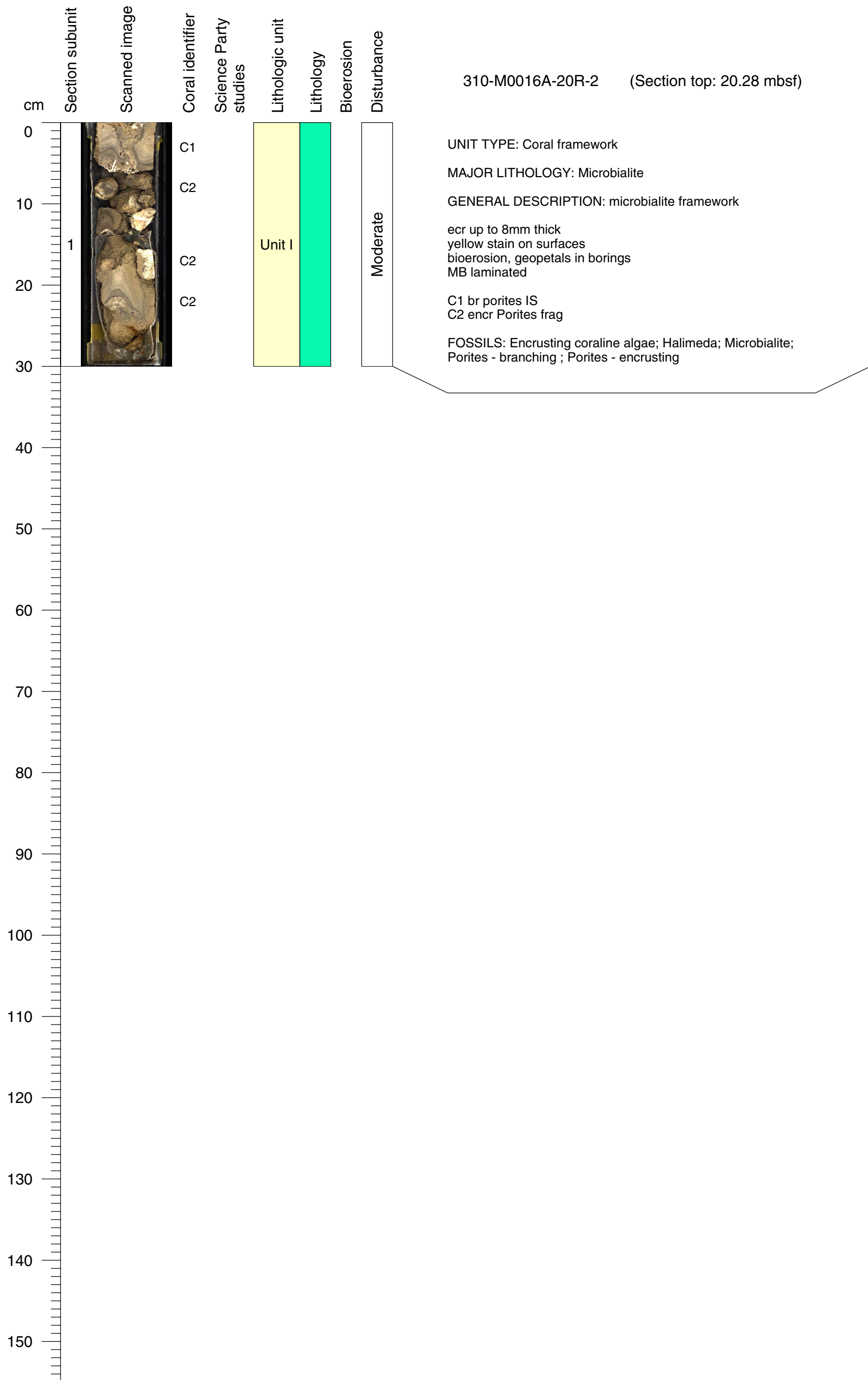
GENERAL DESCRIPTION: Framework  
 major: microbialite ( lamina, dendritic and knobby)  
 thin encrusting coralline algae  
 Halimeda in pockets  
 open vugs  
 CORAL  
 C1=br Porites frags  
 C2=enc Porites IS  
 C3=enc Millipora IS  
 C4= br Porites IS

FOSSILS: Encrusting coralline algae; Halimeda; Microbialite;  
 Other coral; Porites - branching ; Porites - encrusting



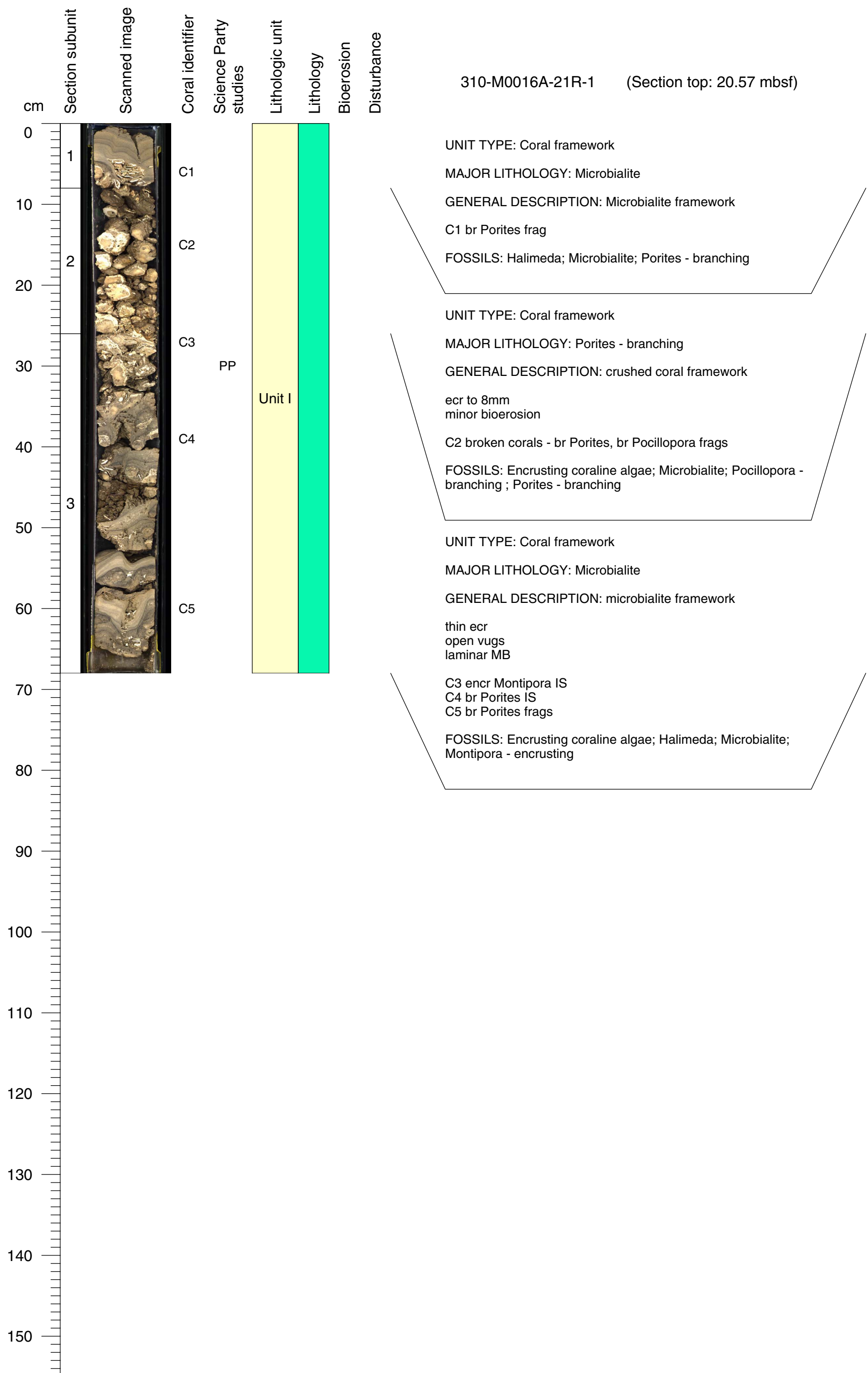
Core Photo

310-M0016A-20R-2 (Section top: 20.28 mbsf)

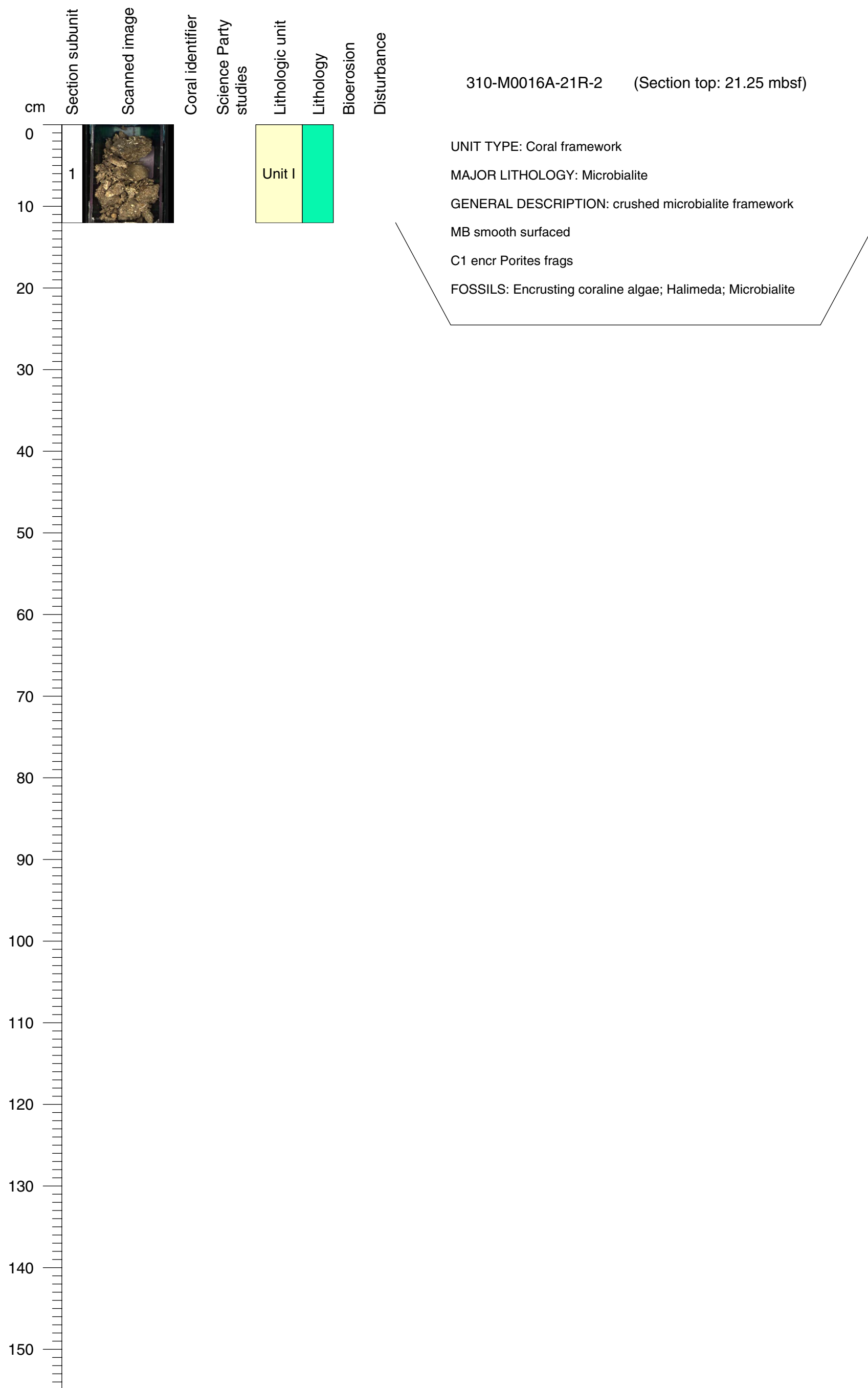


Core Photo

310-M0016A-21R-1 (Section top: 20.57 mbsf)

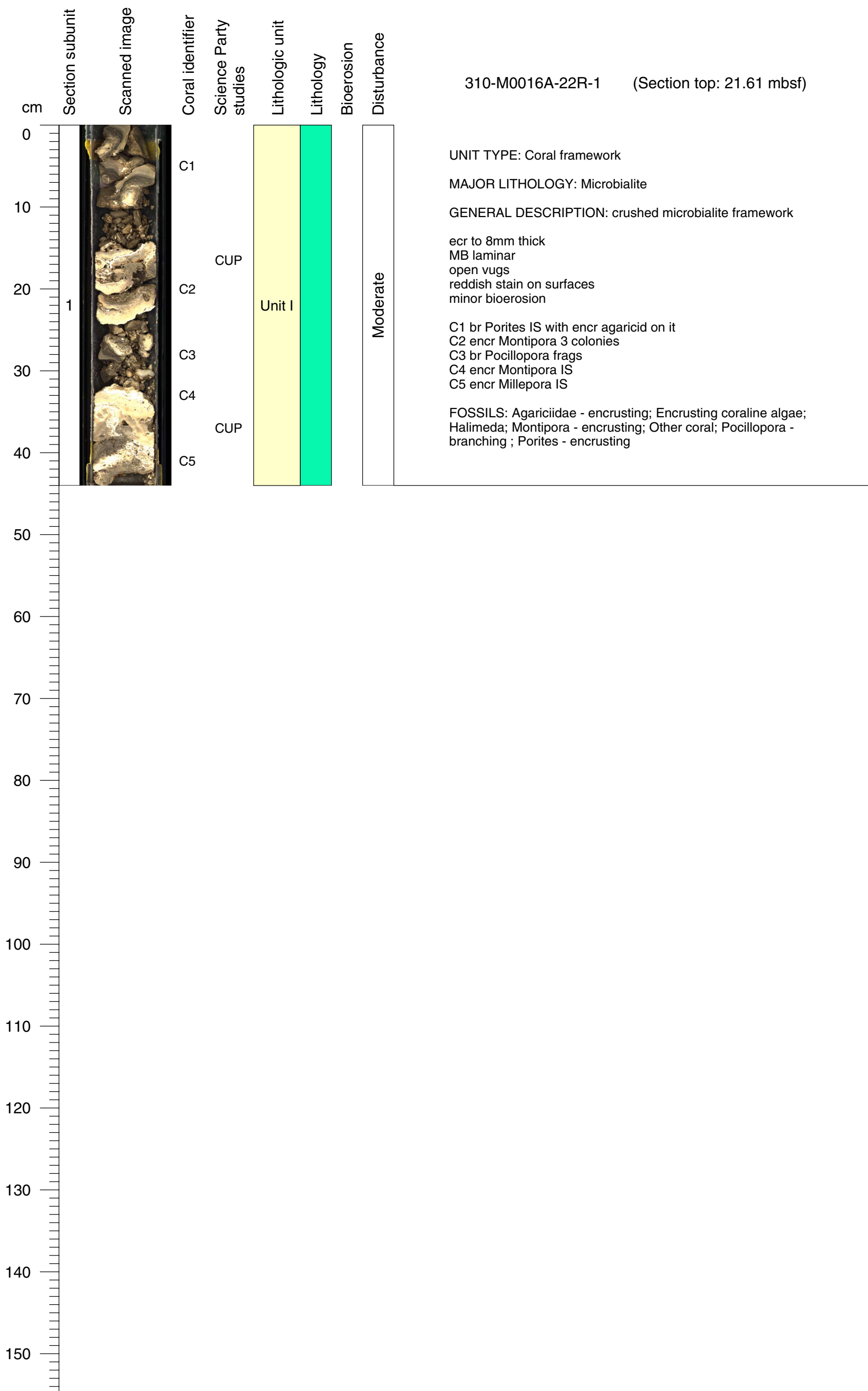


**Core Photo**



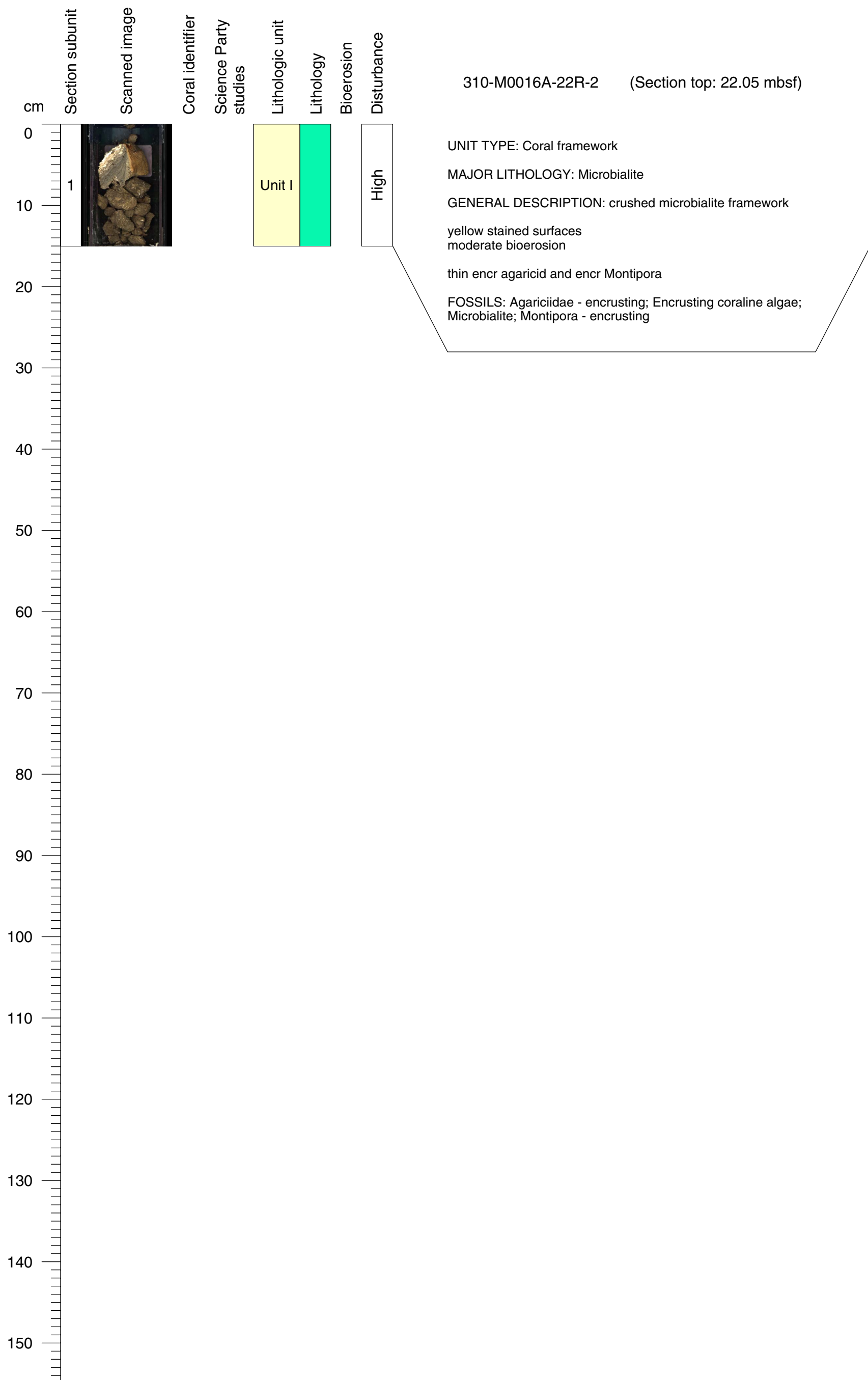
Core Photo

310-M0016A-22R-1 (Section top: 21.61 mbsf)



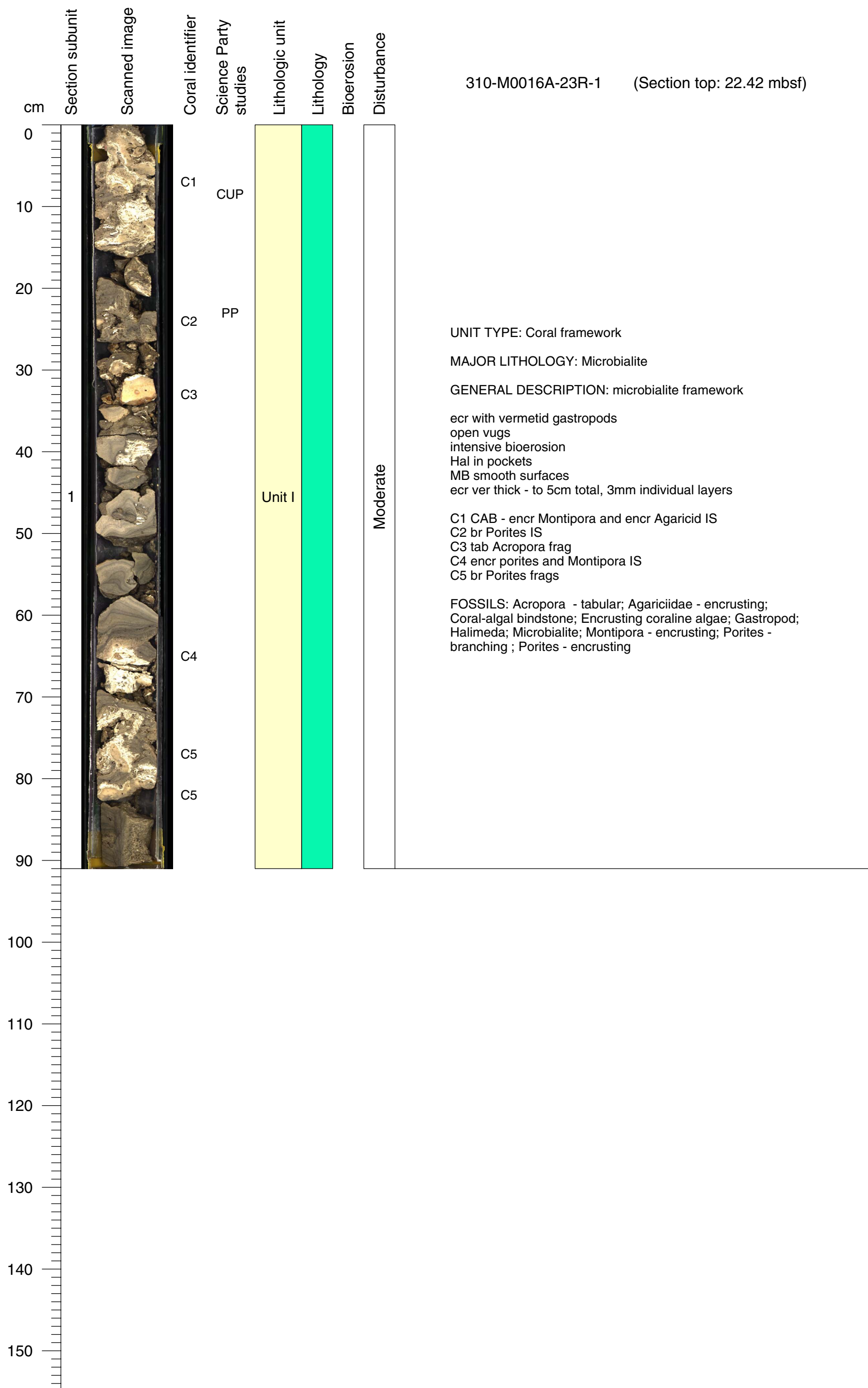


**Core Photo**



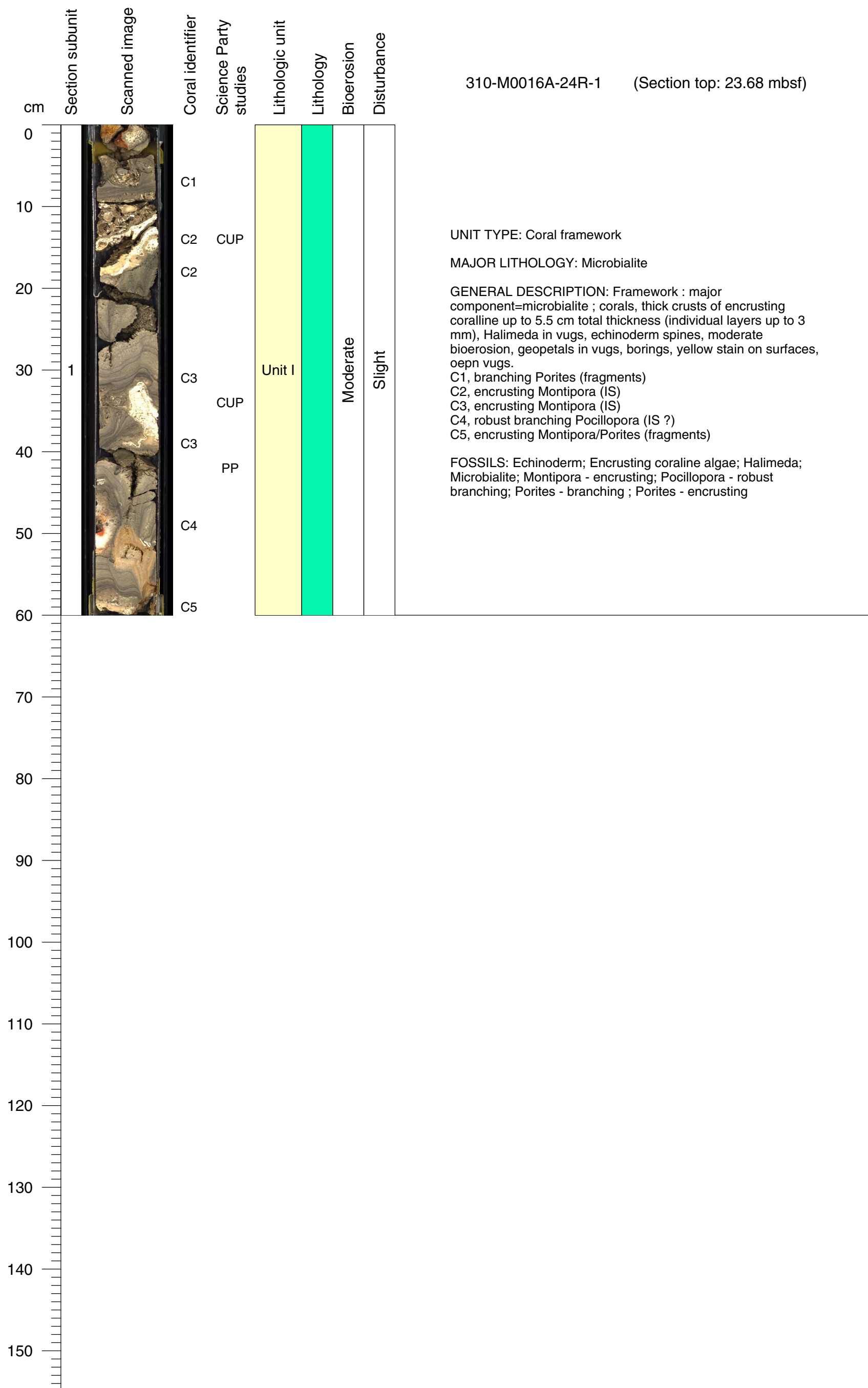
Core Photo

310-M0016A-23R-1 (Section top: 22.42 mbsf)

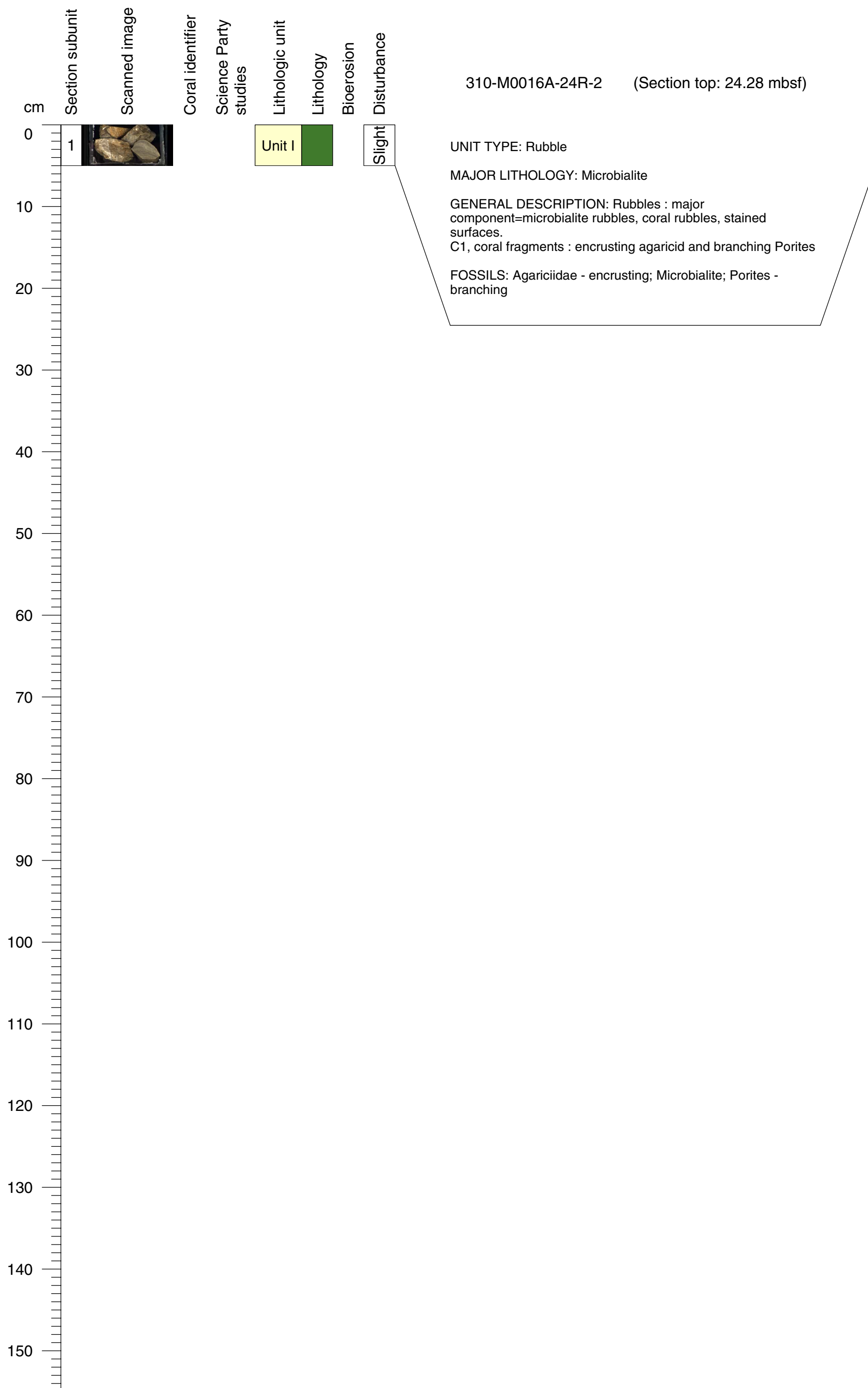


Core Photo

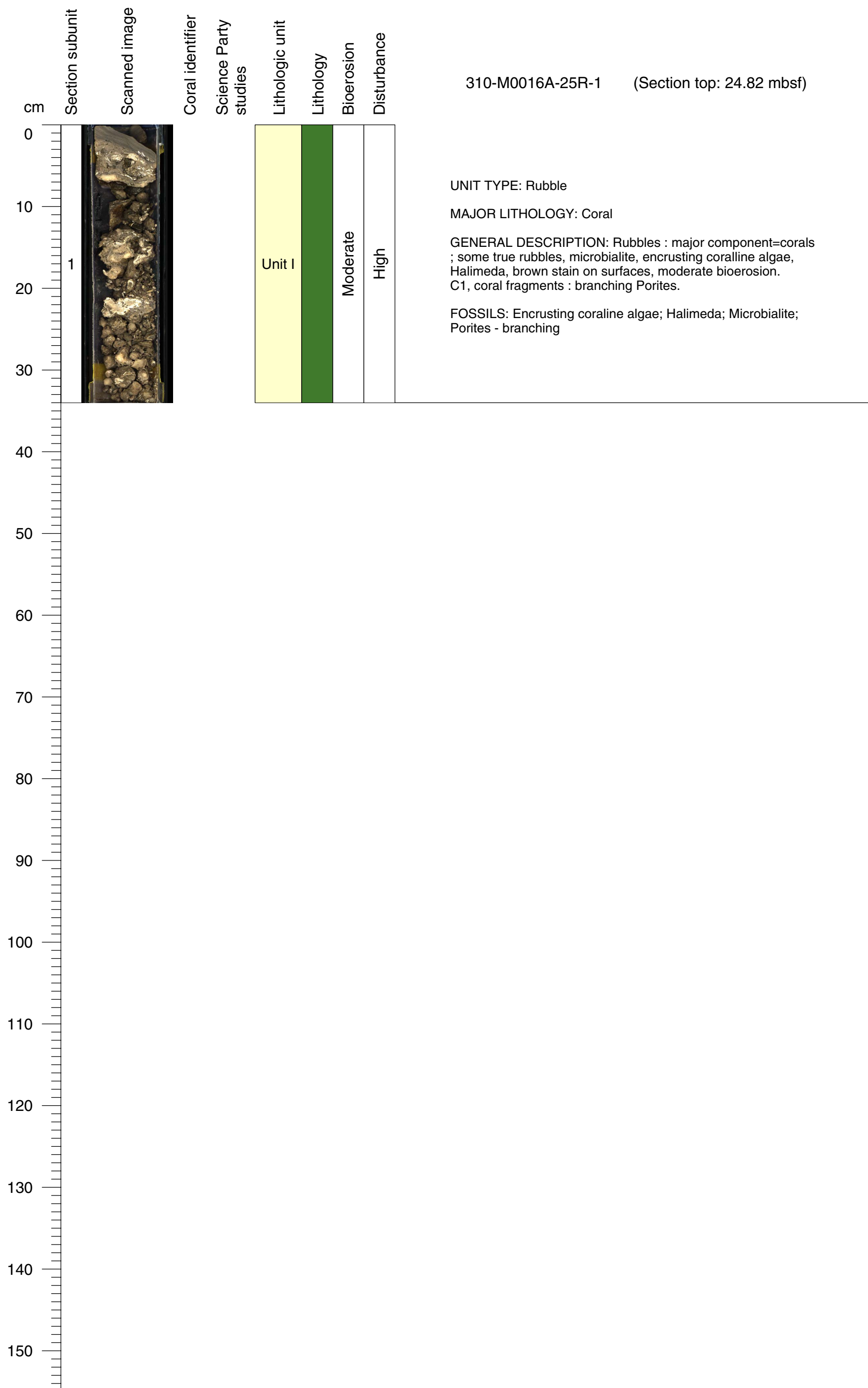
310-M0016A-24R-1 (Section top: 23.68 mbsf)



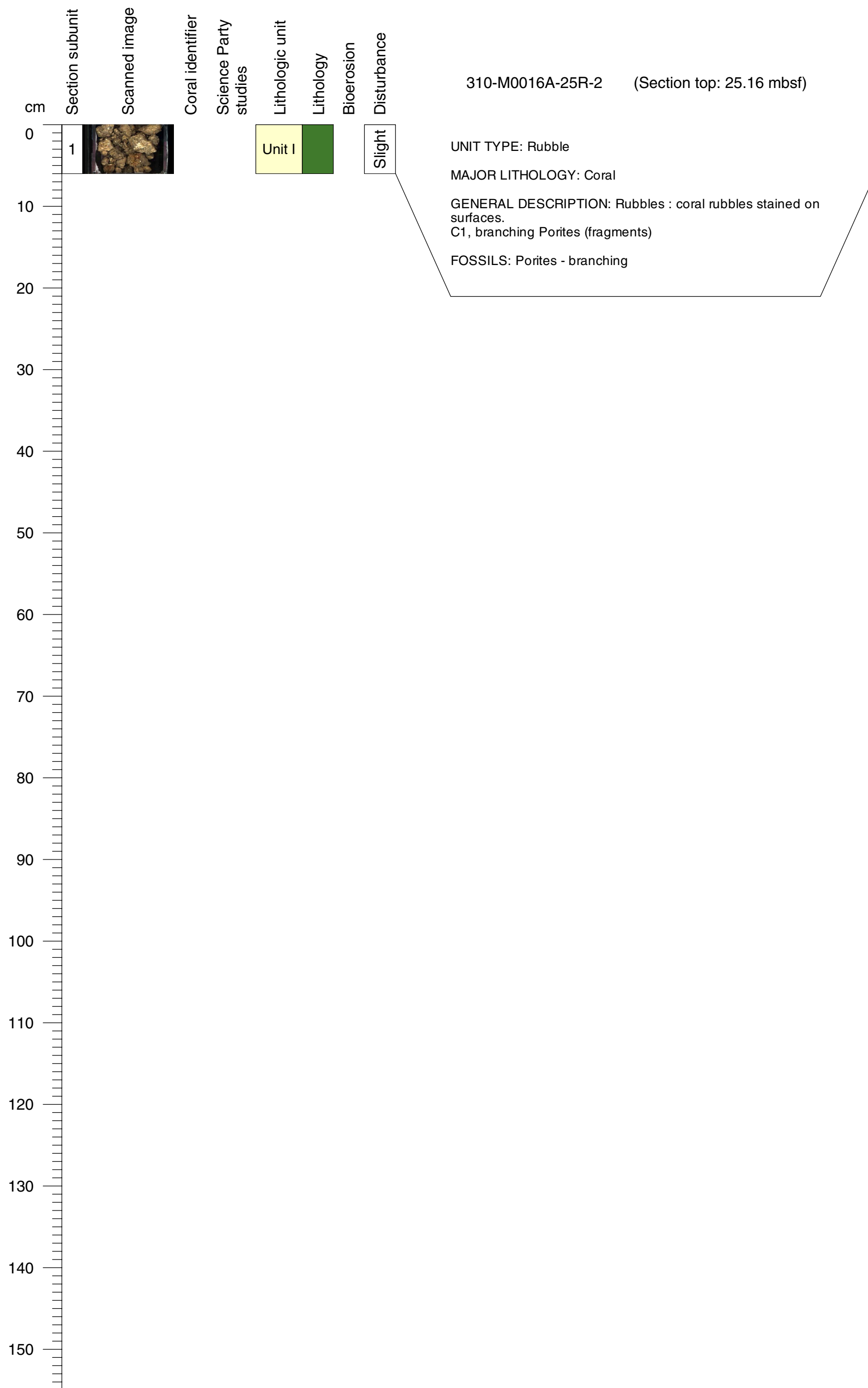
Core Photo



**Core Photo**

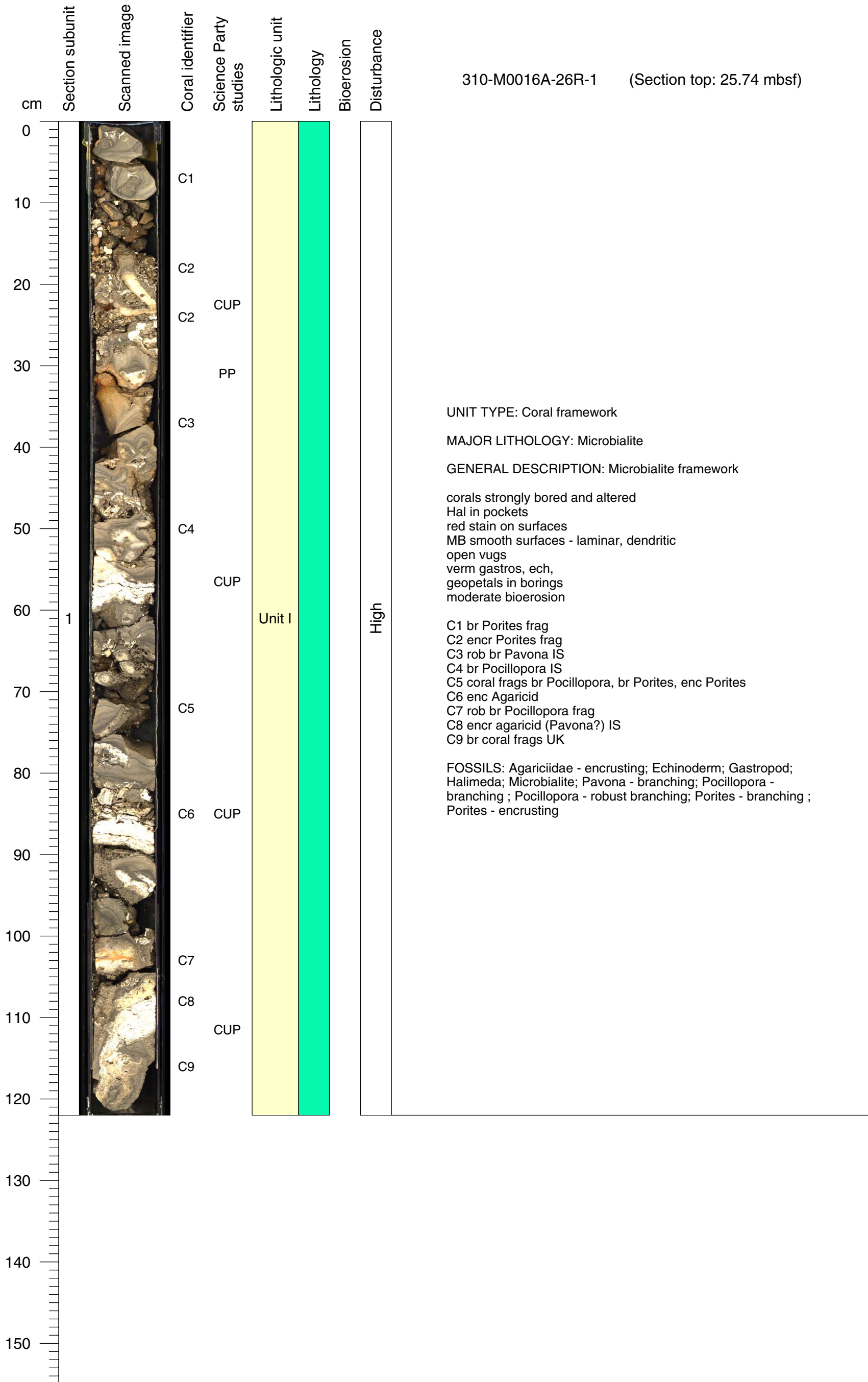


Core Photo

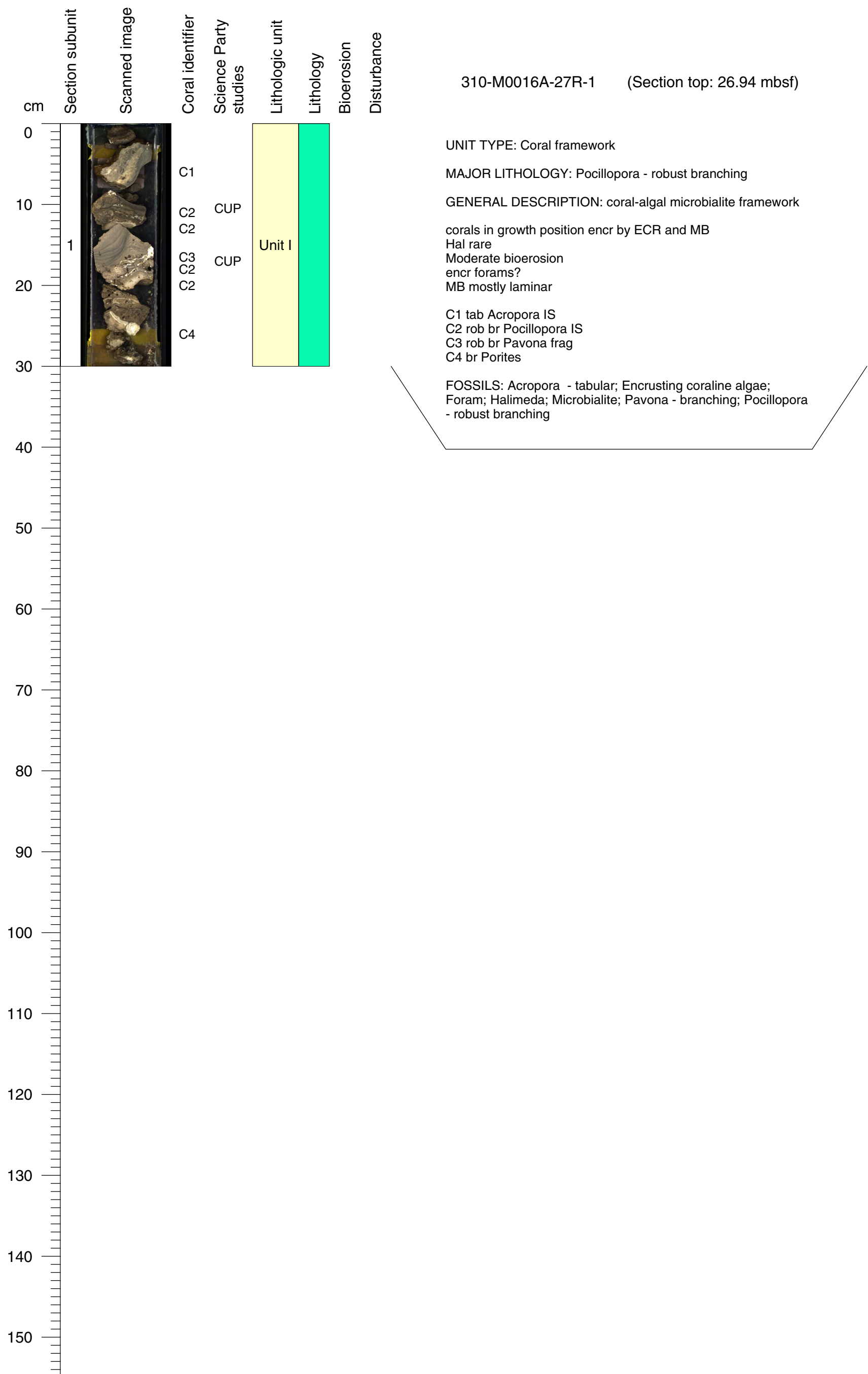


Core Photo

310-M0016A-26R-1 (Section top: 25.74 mbsf)

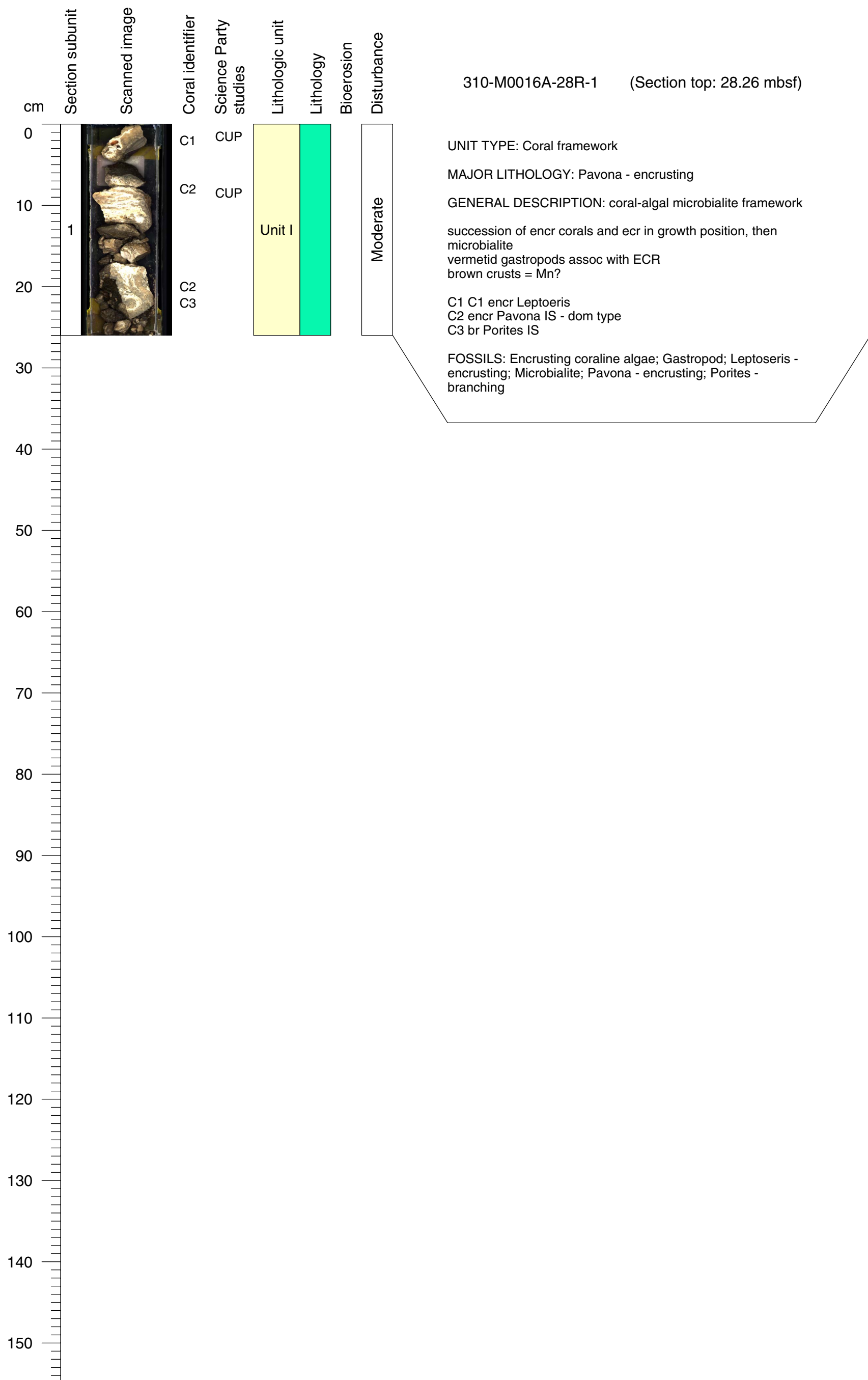


**Core Photo**



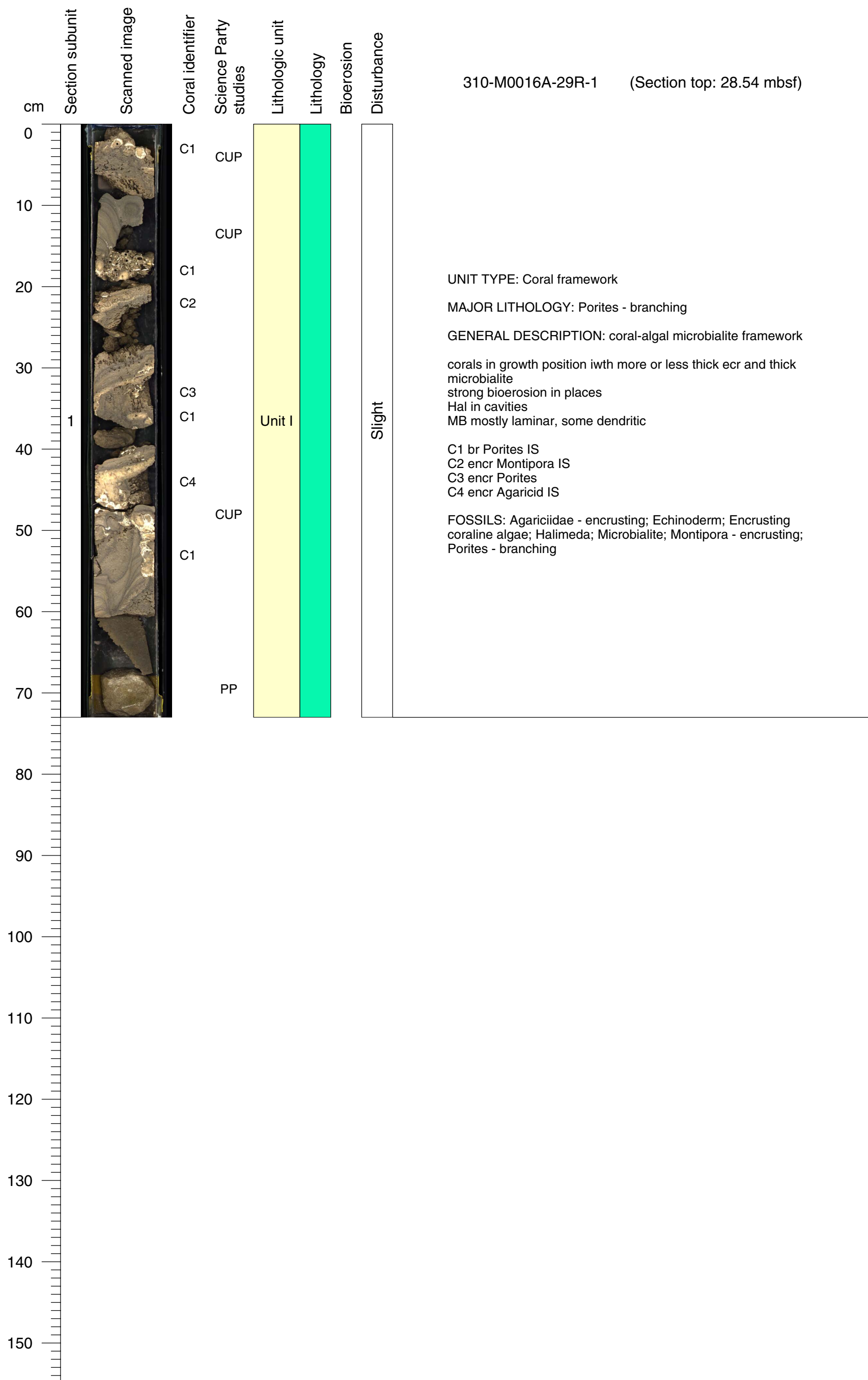


Core Photo

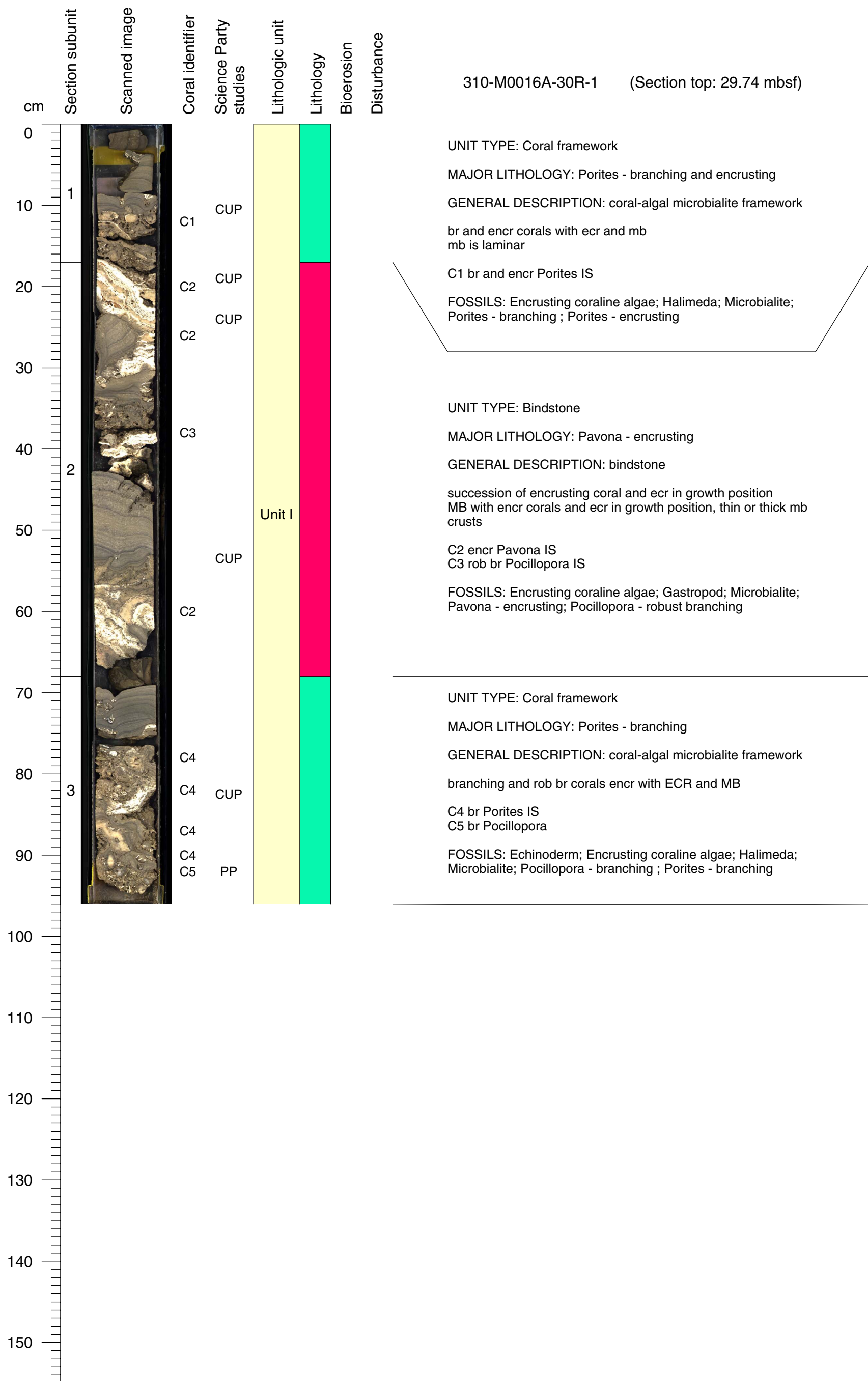


Core Photo

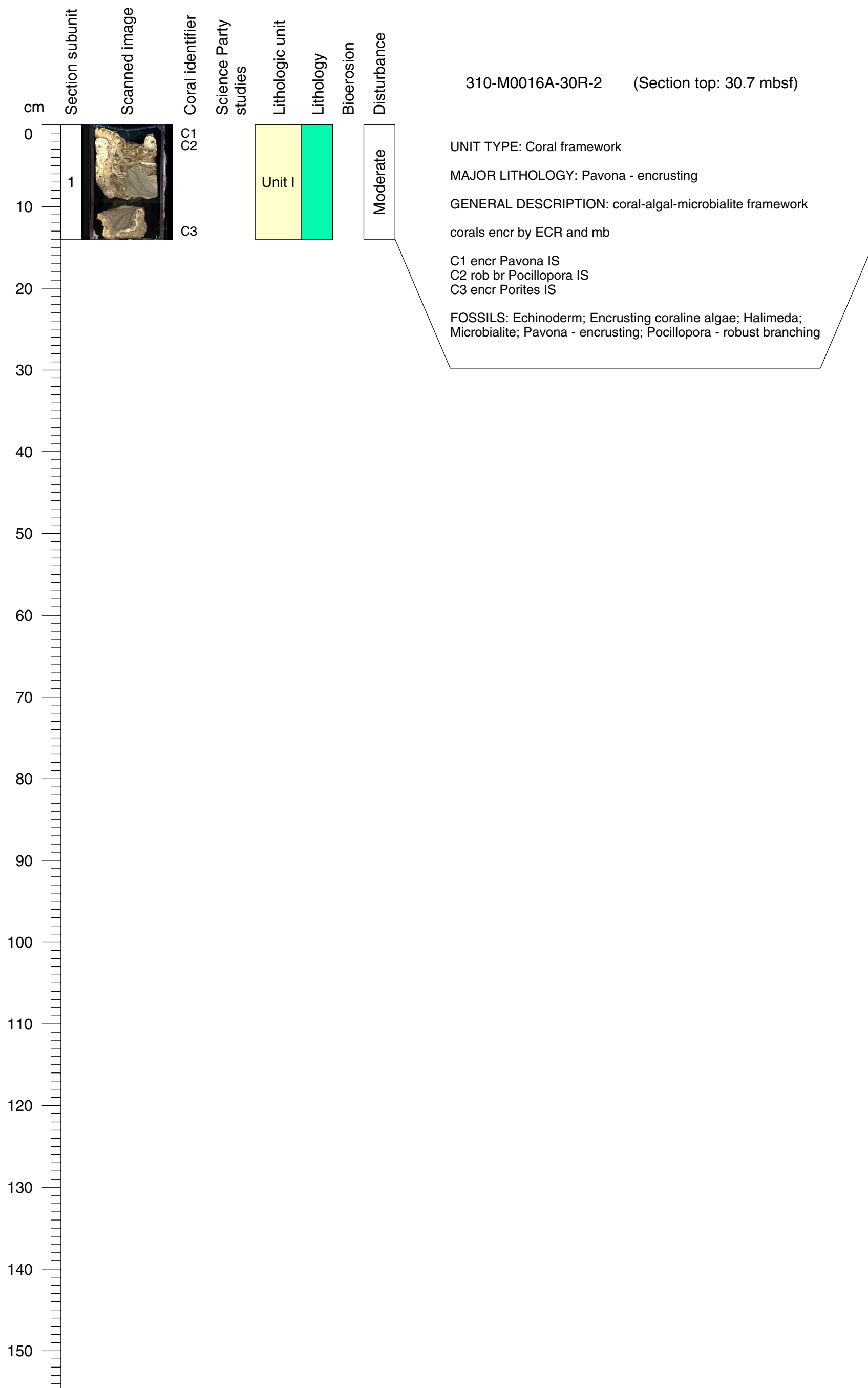
310-M0016A-29R-1 (Section top: 28.54 mbsf)



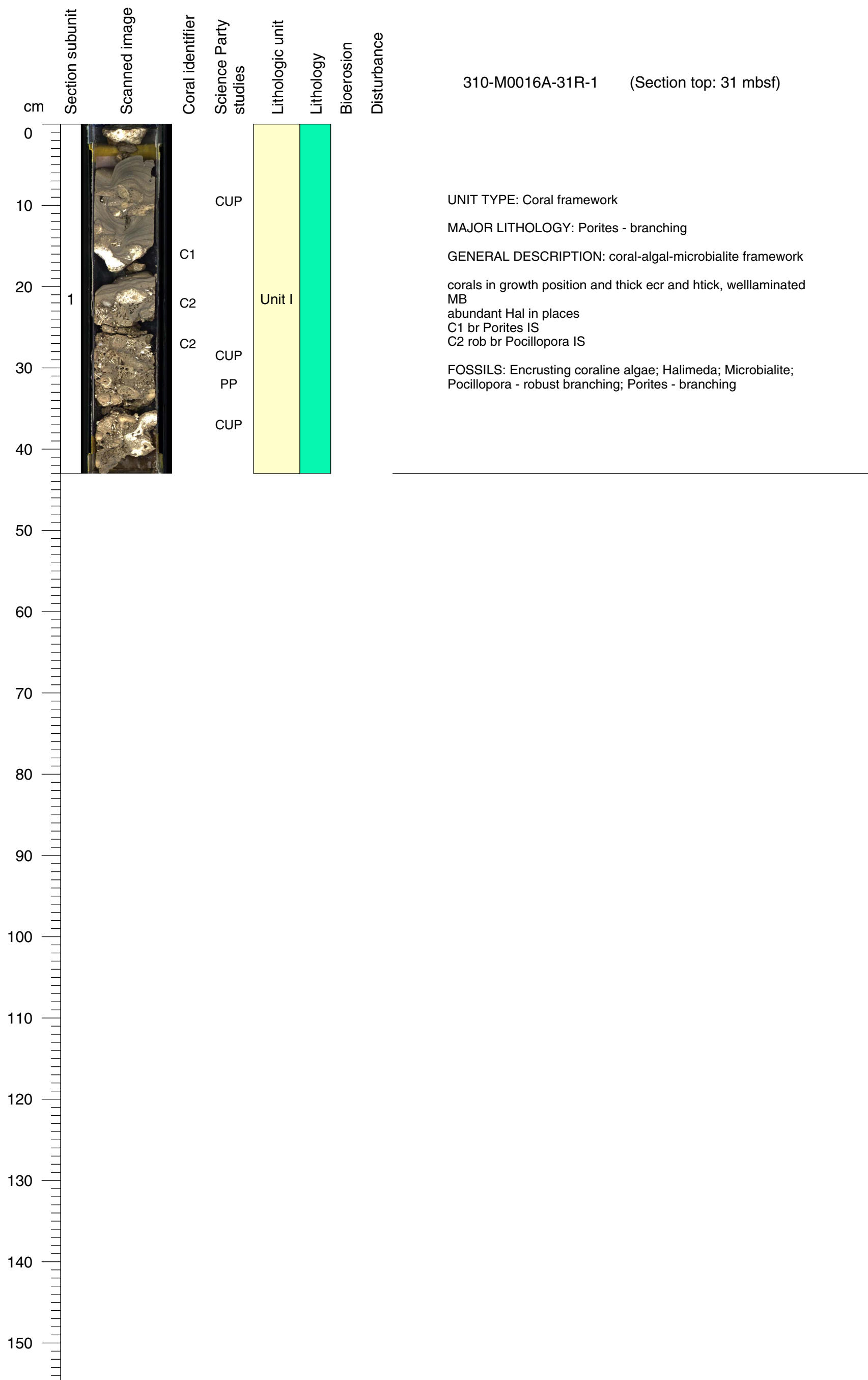
Core Photo



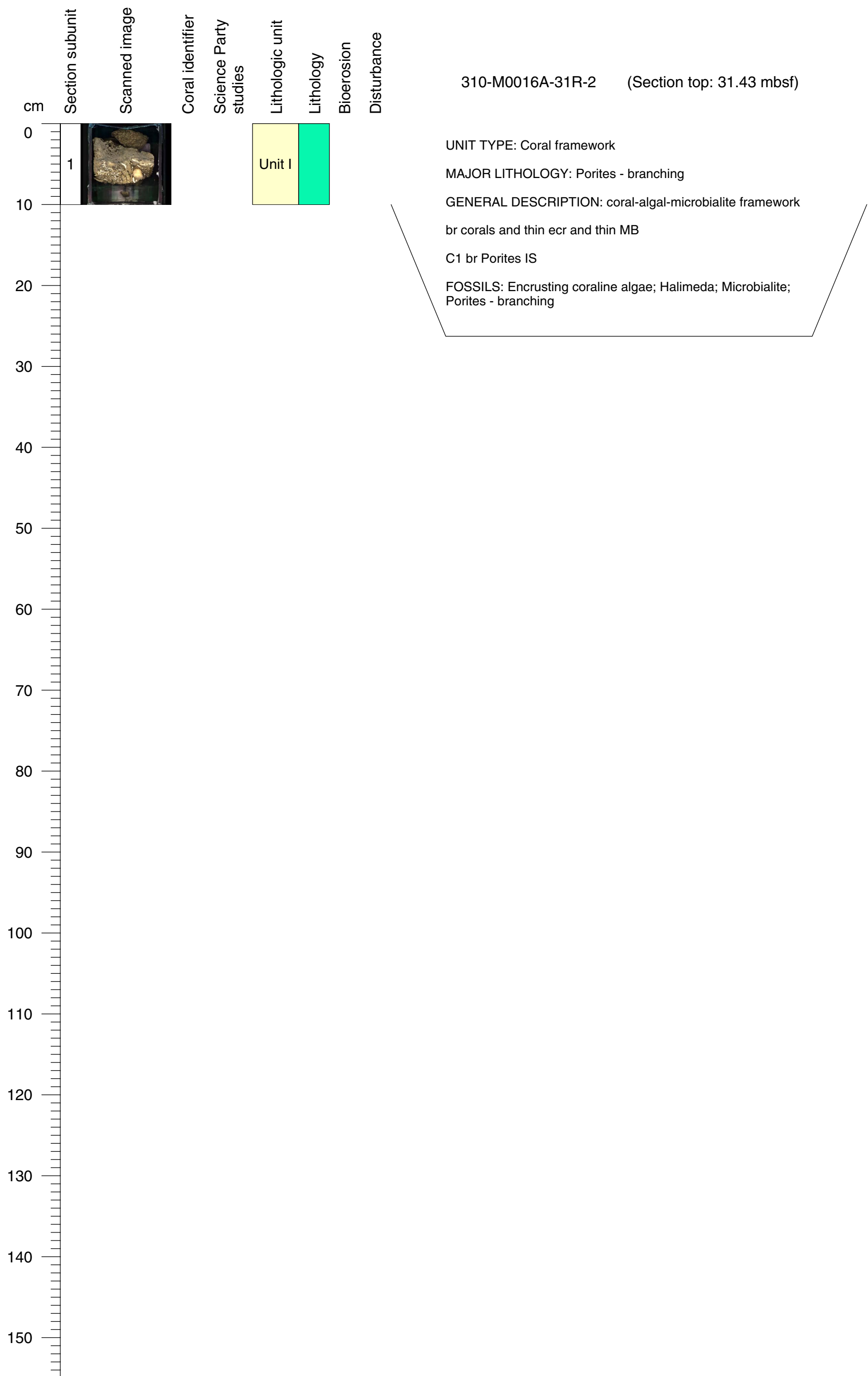
**Core Photo**



Core Photo

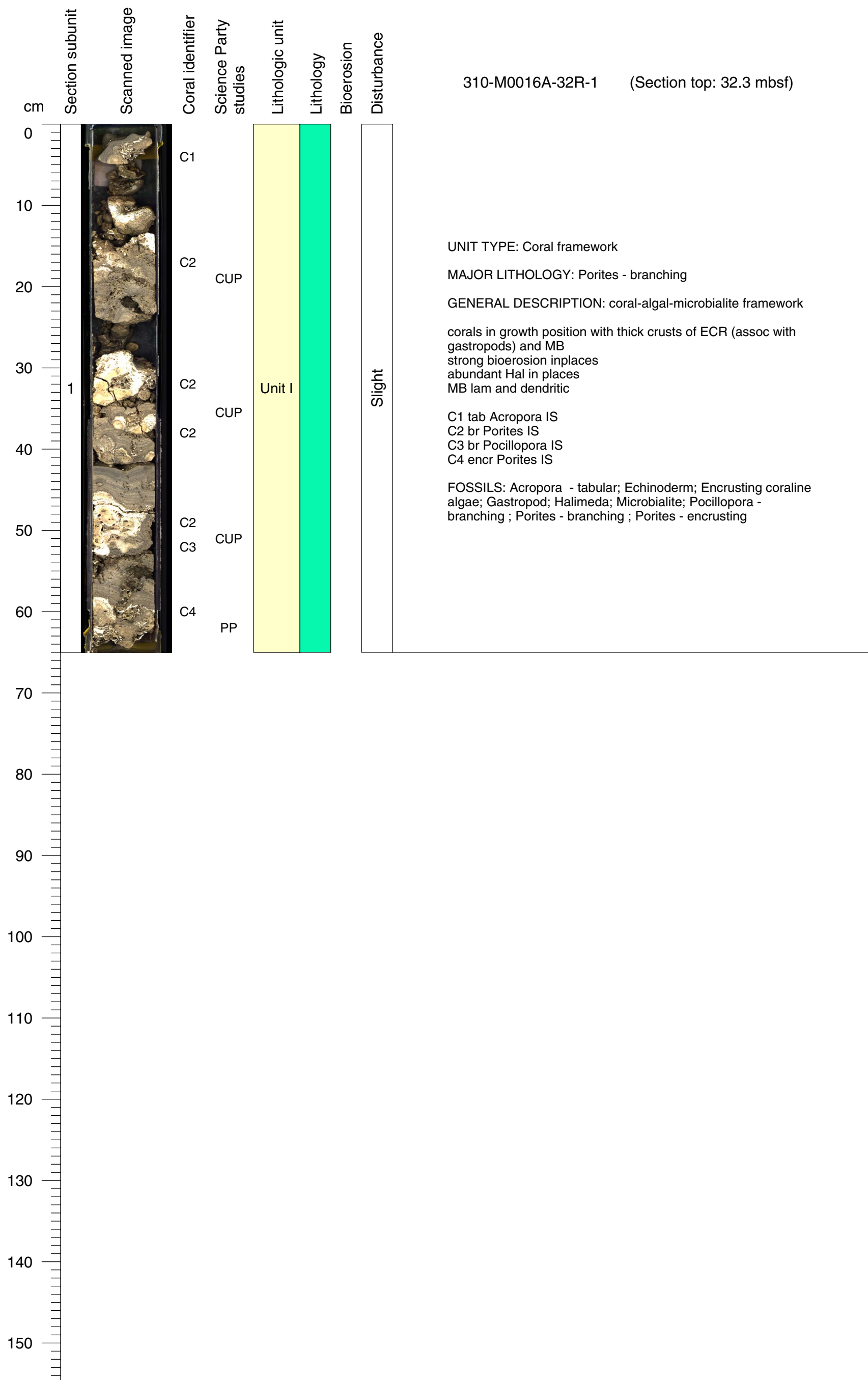


**Core Photo**

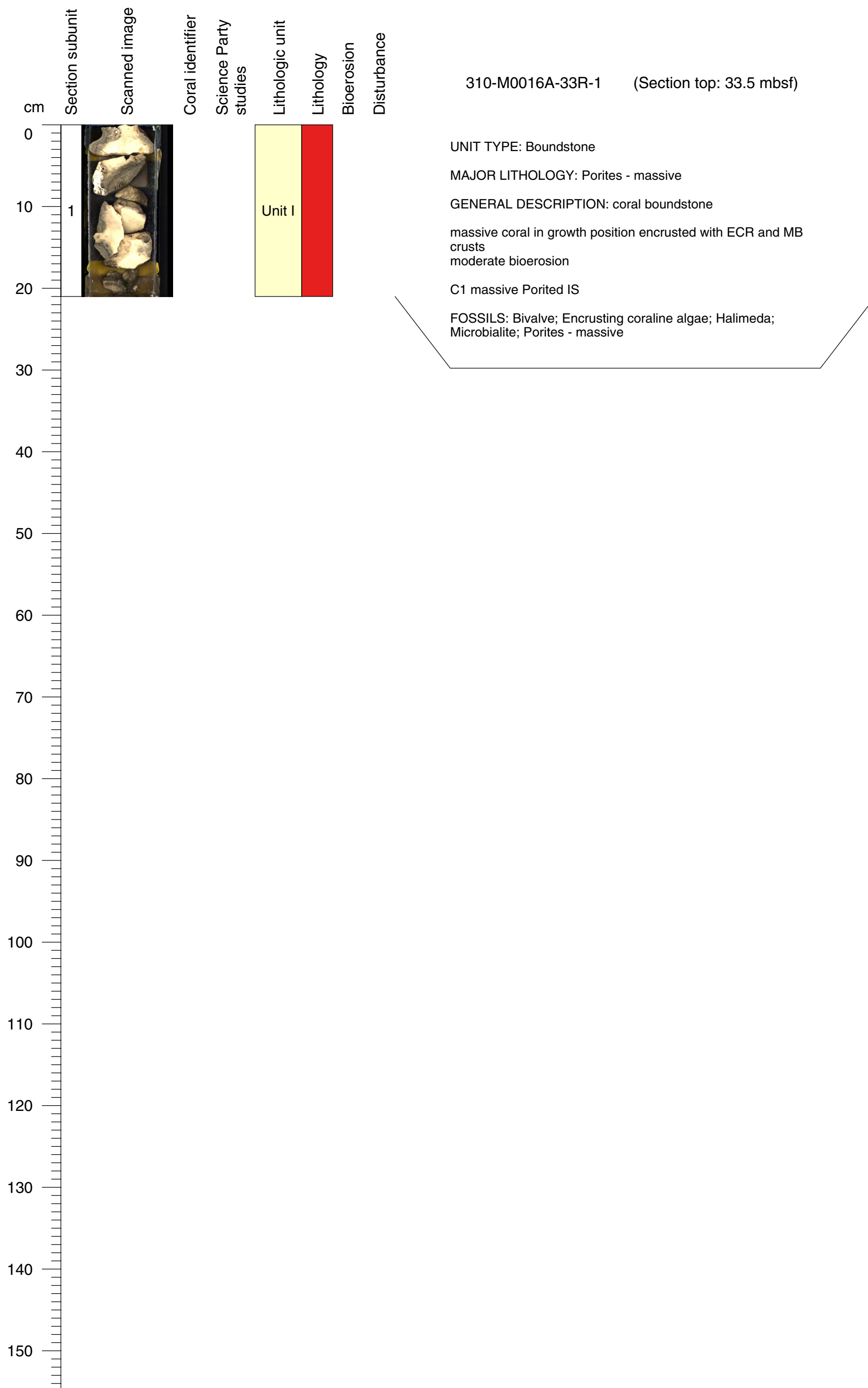


Core Photo

310-M0016A-32R-1 (Section top: 32.3 mbsf)



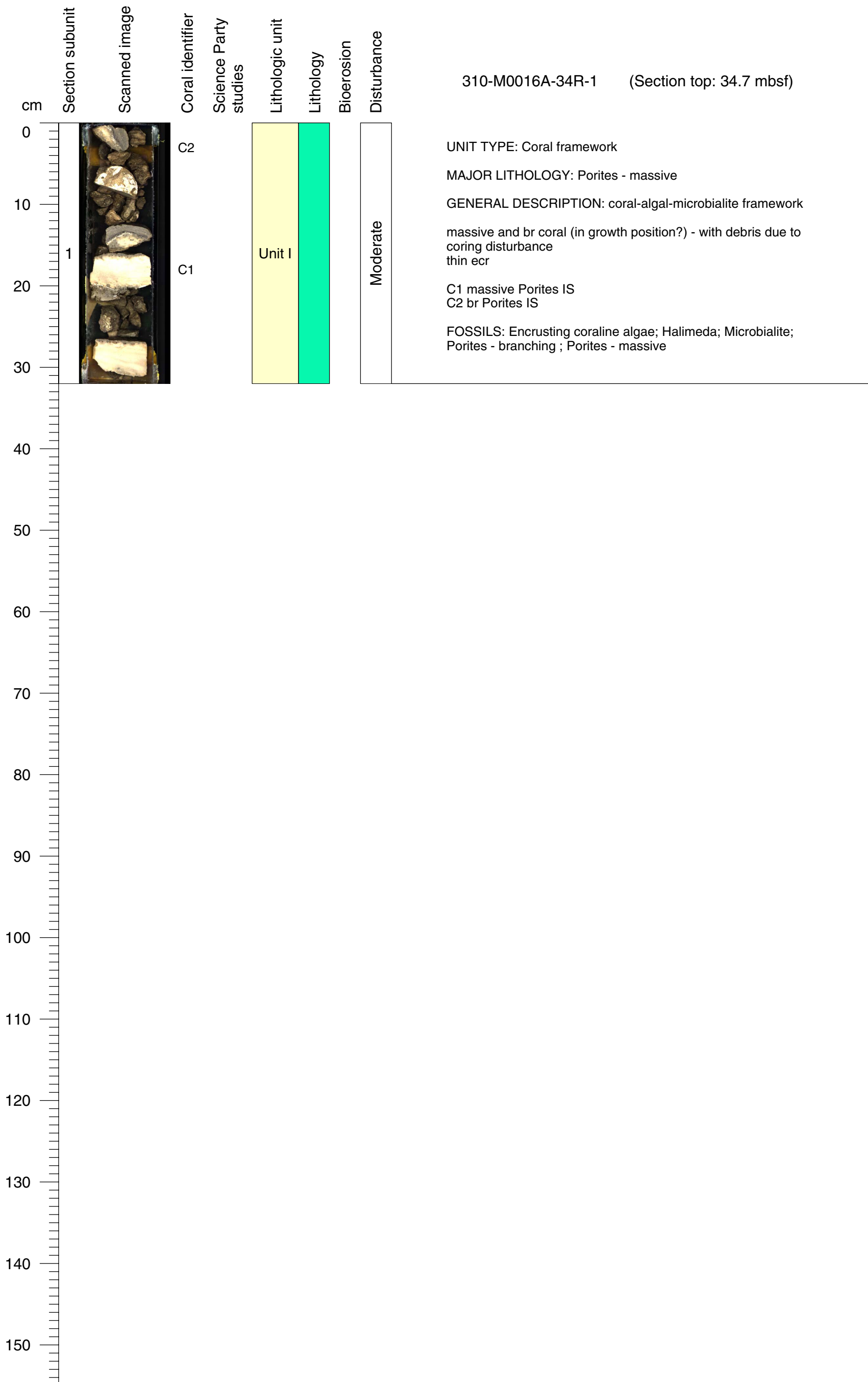
Core Photo





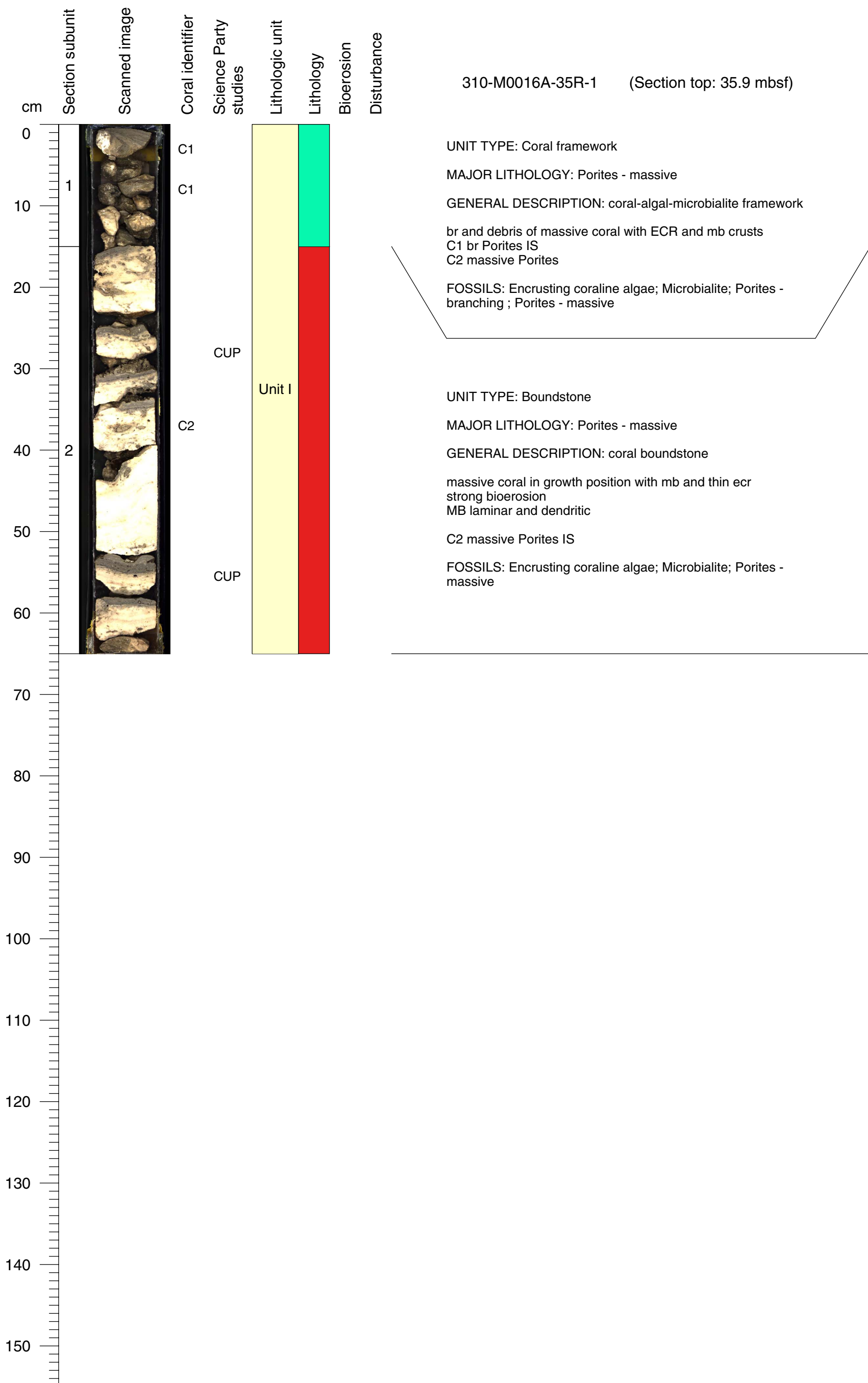
**Core Photo**

310-M0016A-34R-1 (Section top: 34.7 mbsf)



Core Photo

310-M0016A-35R-1 (Section top: 35.9 mbsf)

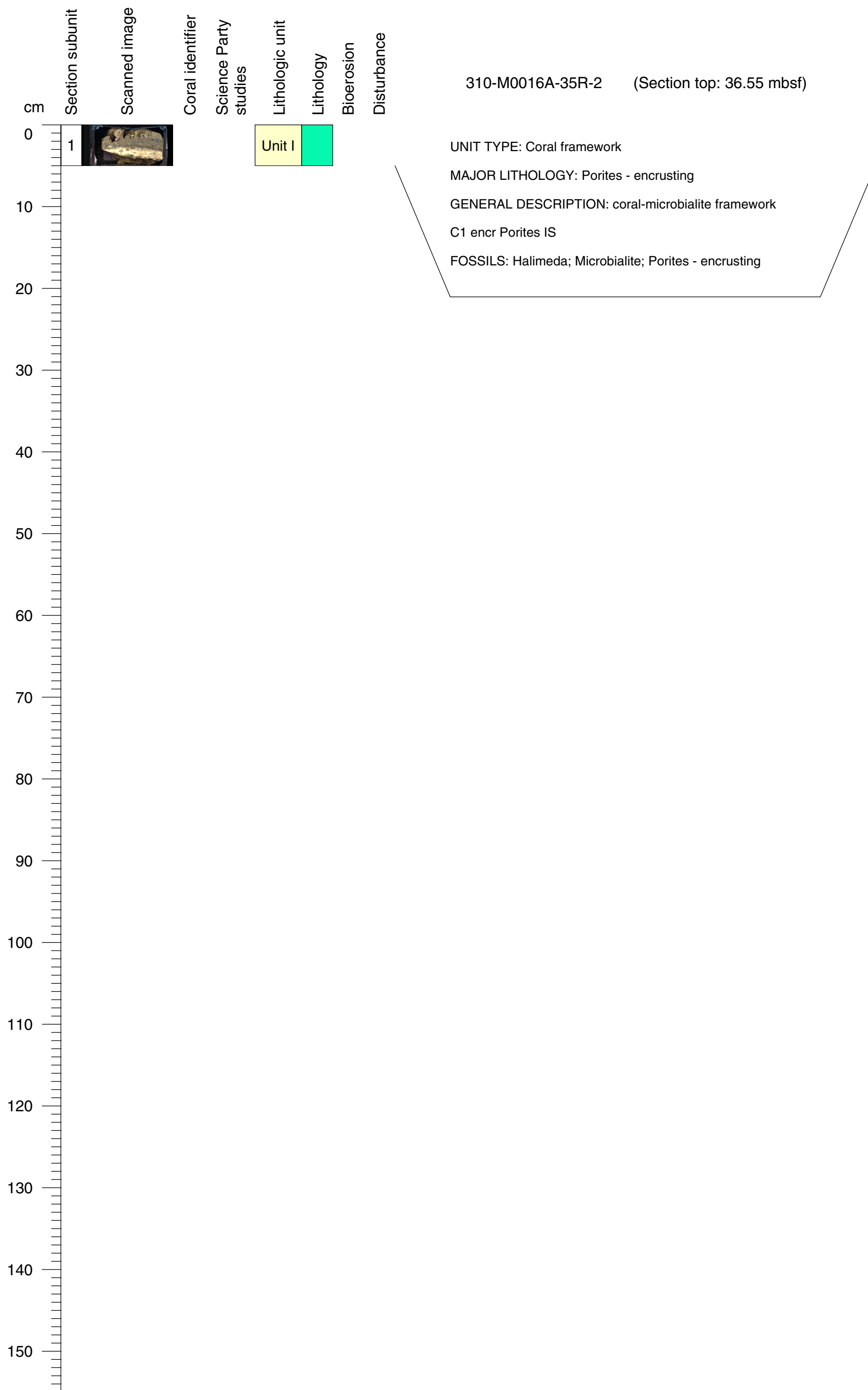


UNIT TYPE: Coral framework  
 MAJOR LITHOLOGY: Porites - massive  
 GENERAL DESCRIPTION: coral-algal-microbialite framework  
 br and debris of massive coral with ECR and mb crusts  
 C1 br Porites IS  
 C2 massive Porites  
 FOSSILS: Encrusting coralline algae; Microbialite; Porites - branching ; Porites - massive

UNIT TYPE: Boundstone  
 MAJOR LITHOLOGY: Porites - massive  
 GENERAL DESCRIPTION: coral boundstone  
 massive coral in growth position with mb and thin ecr  
 strong bioerosion  
 MB laminar and dendritic  
 C2 massive Porites IS  
 FOSSILS: Encrusting coralline algae; Microbialite; Porites - massive

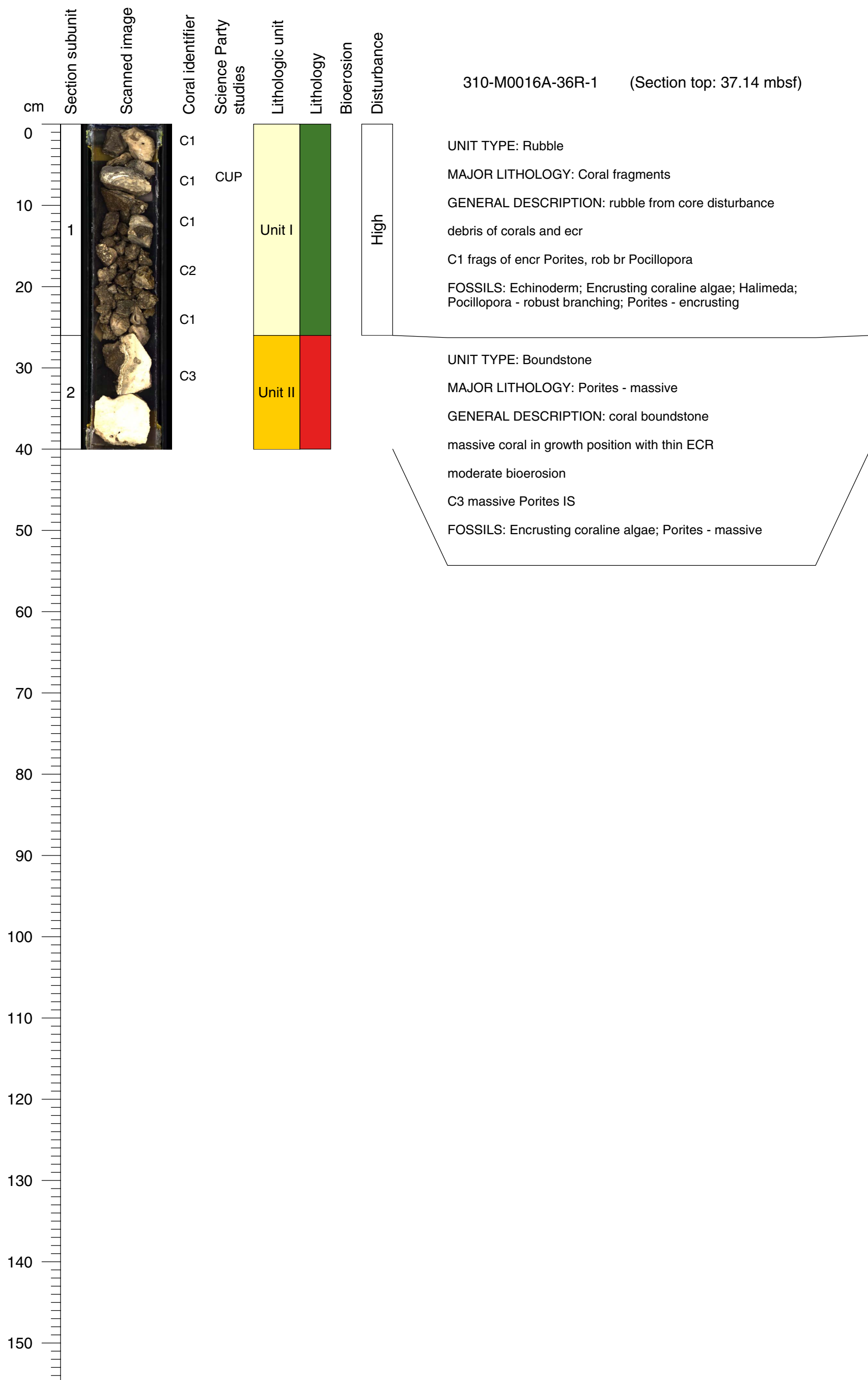


**Core Photo**

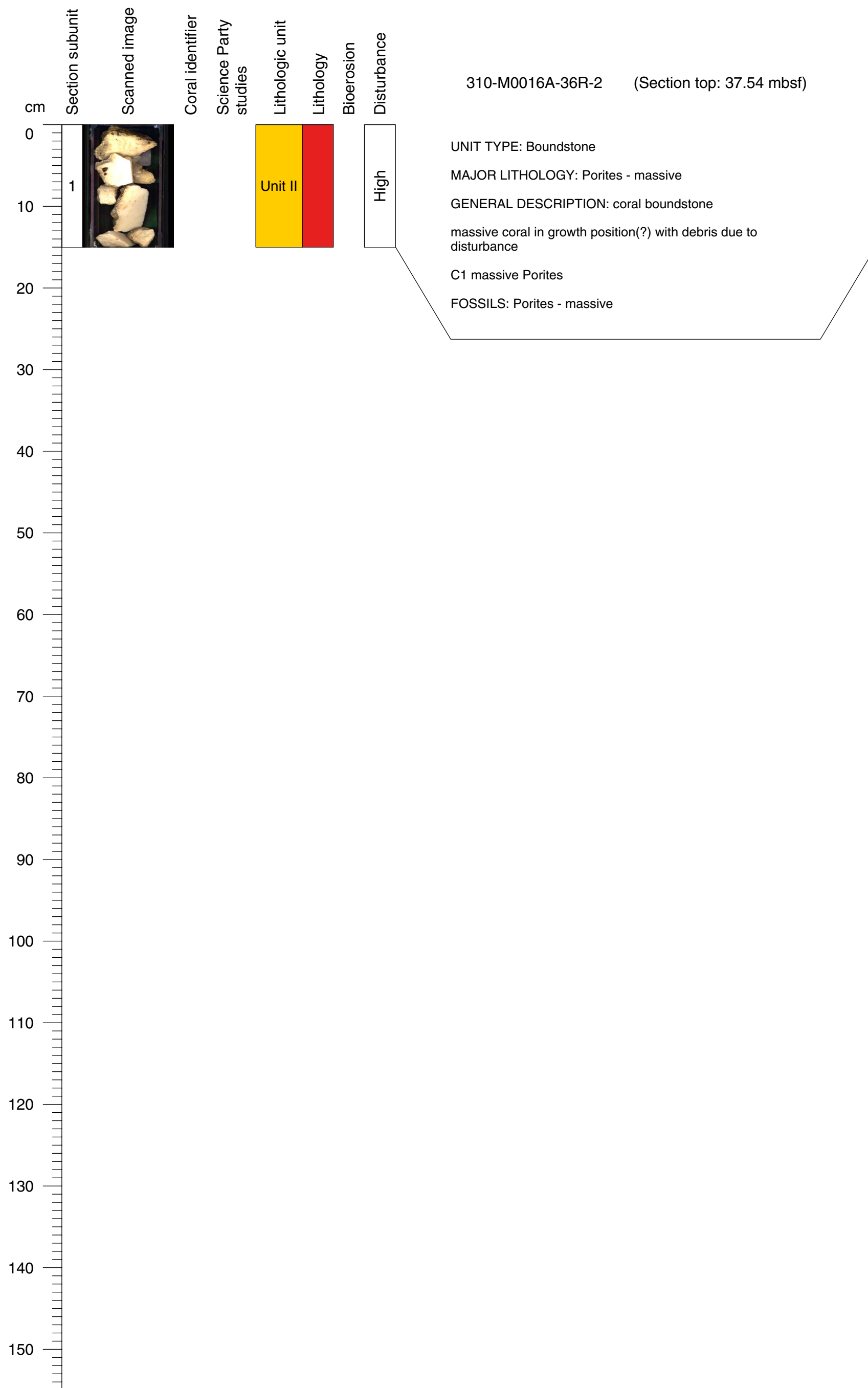


Core Photo

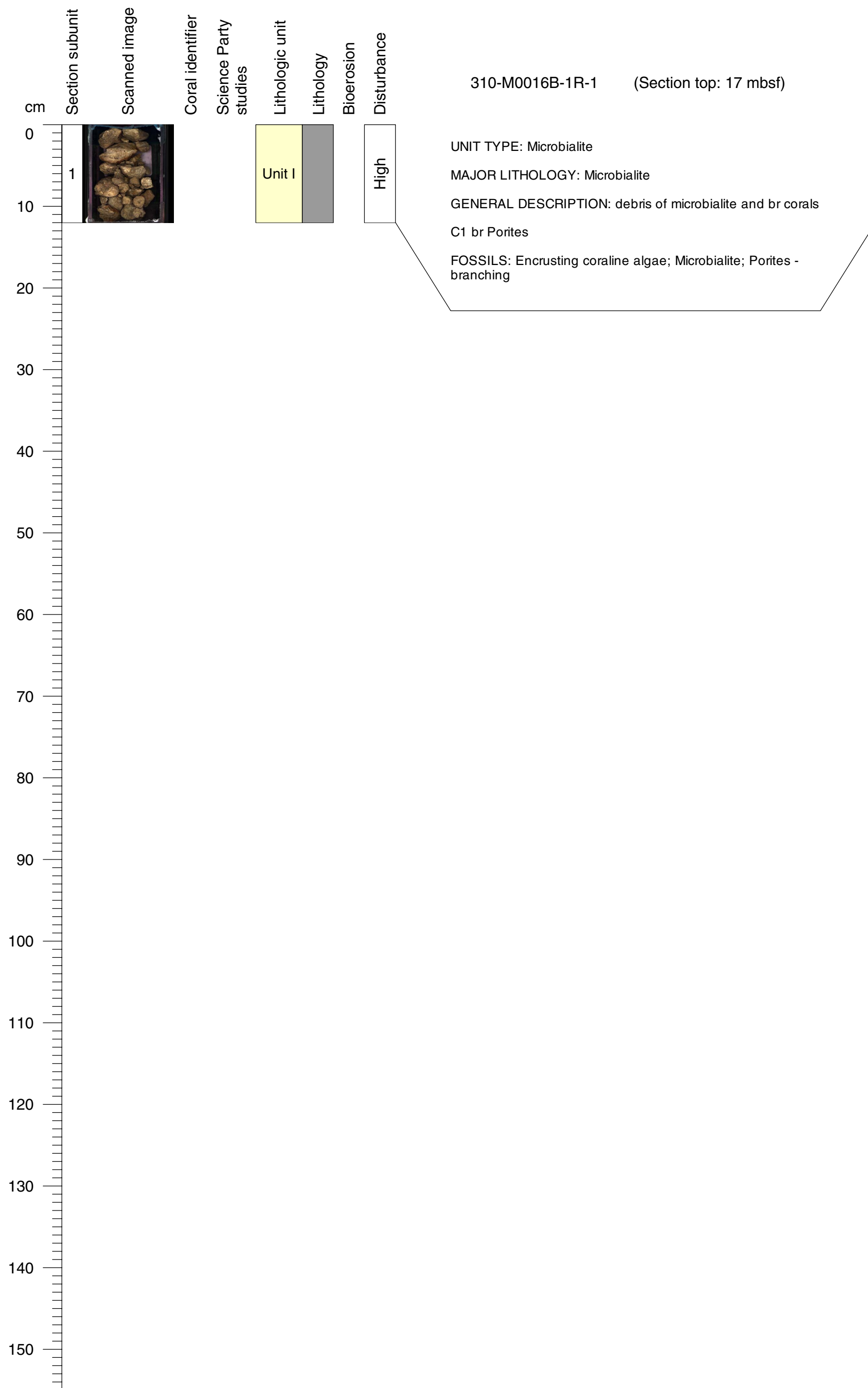
310-M0016A-36R-1 (Section top: 37.14 mbsf)



Core Photo

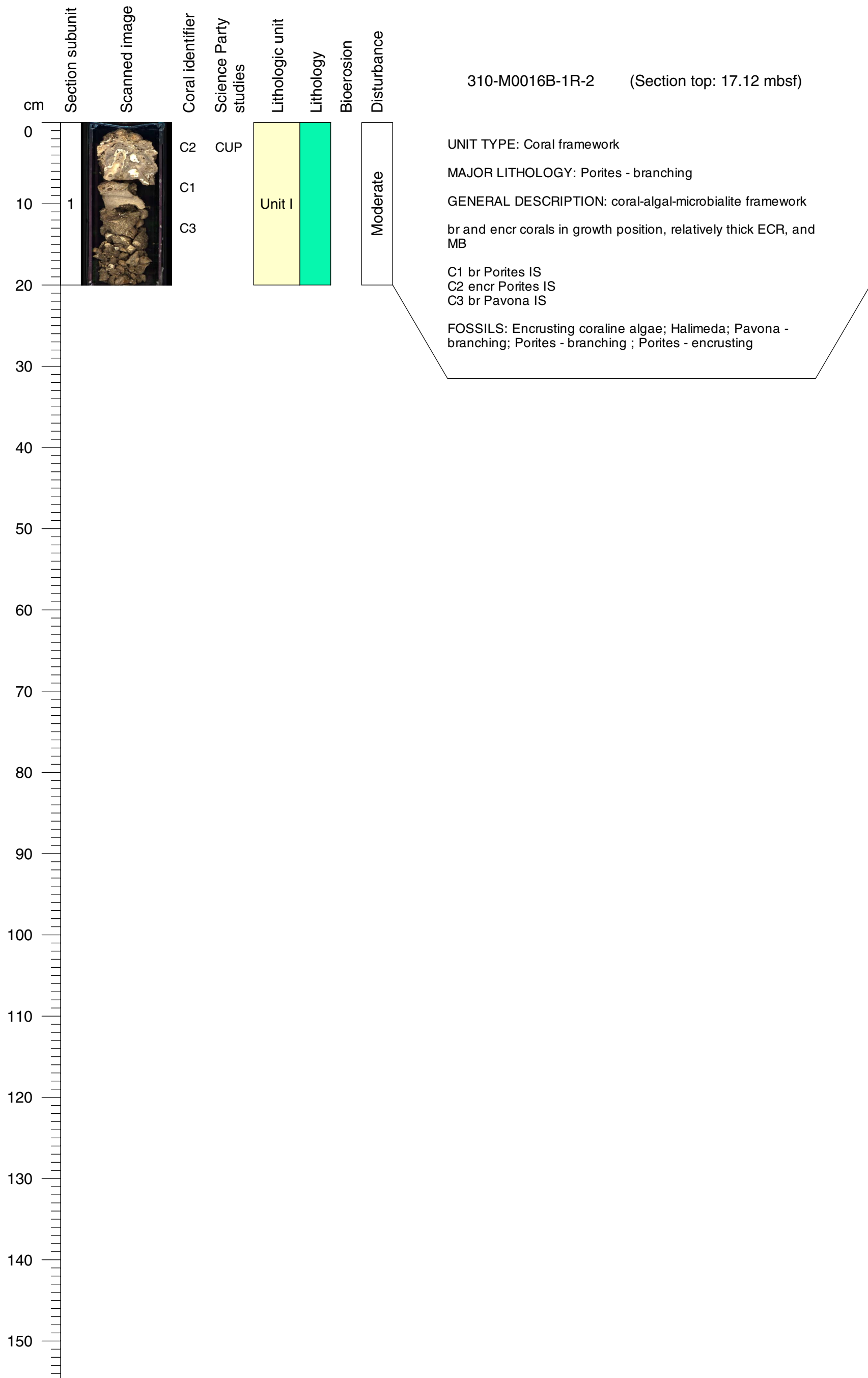


Core Photo

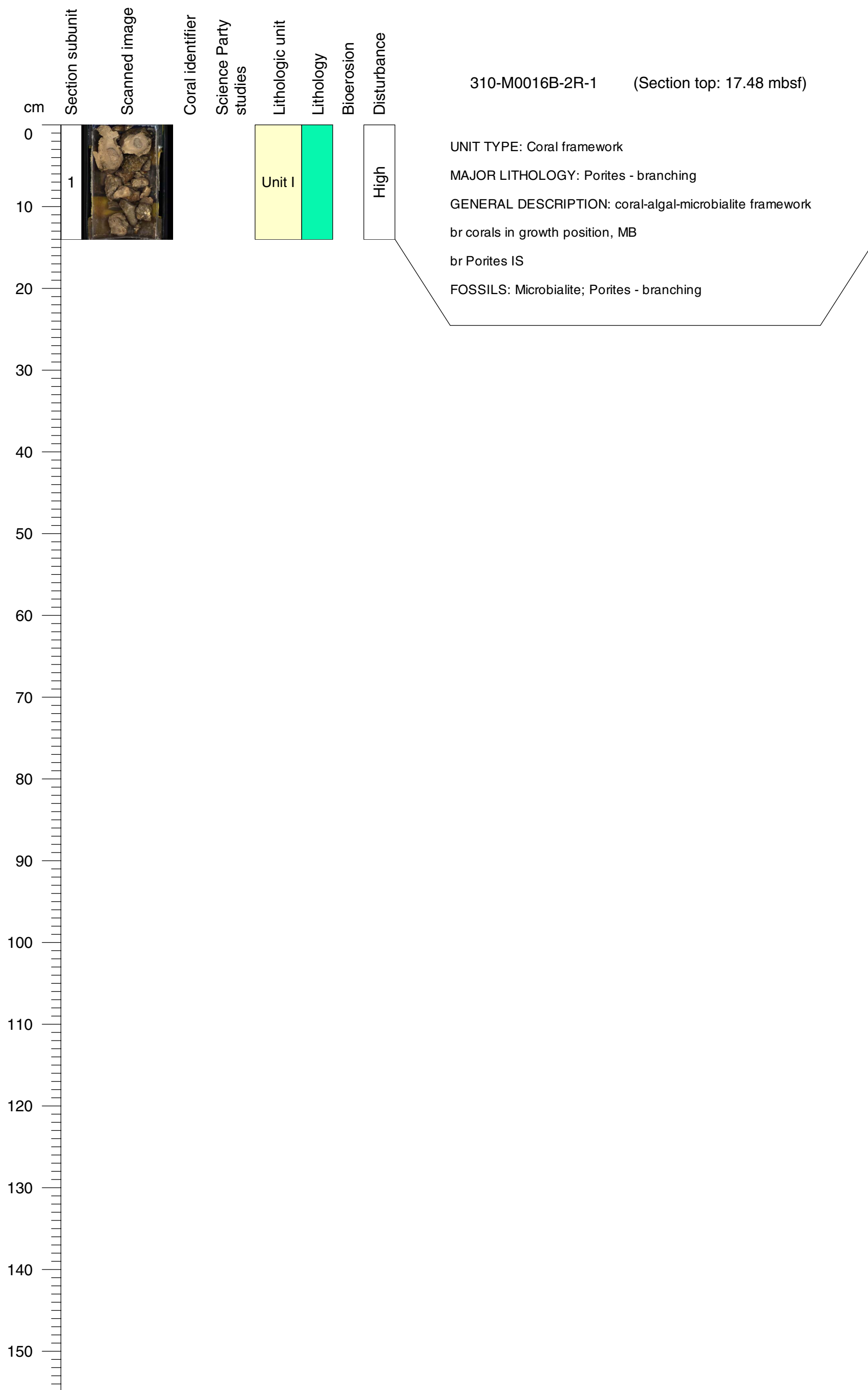


**Core Photo**

310-M0016B-1R-2 (Section top: 17.12 mbsf)

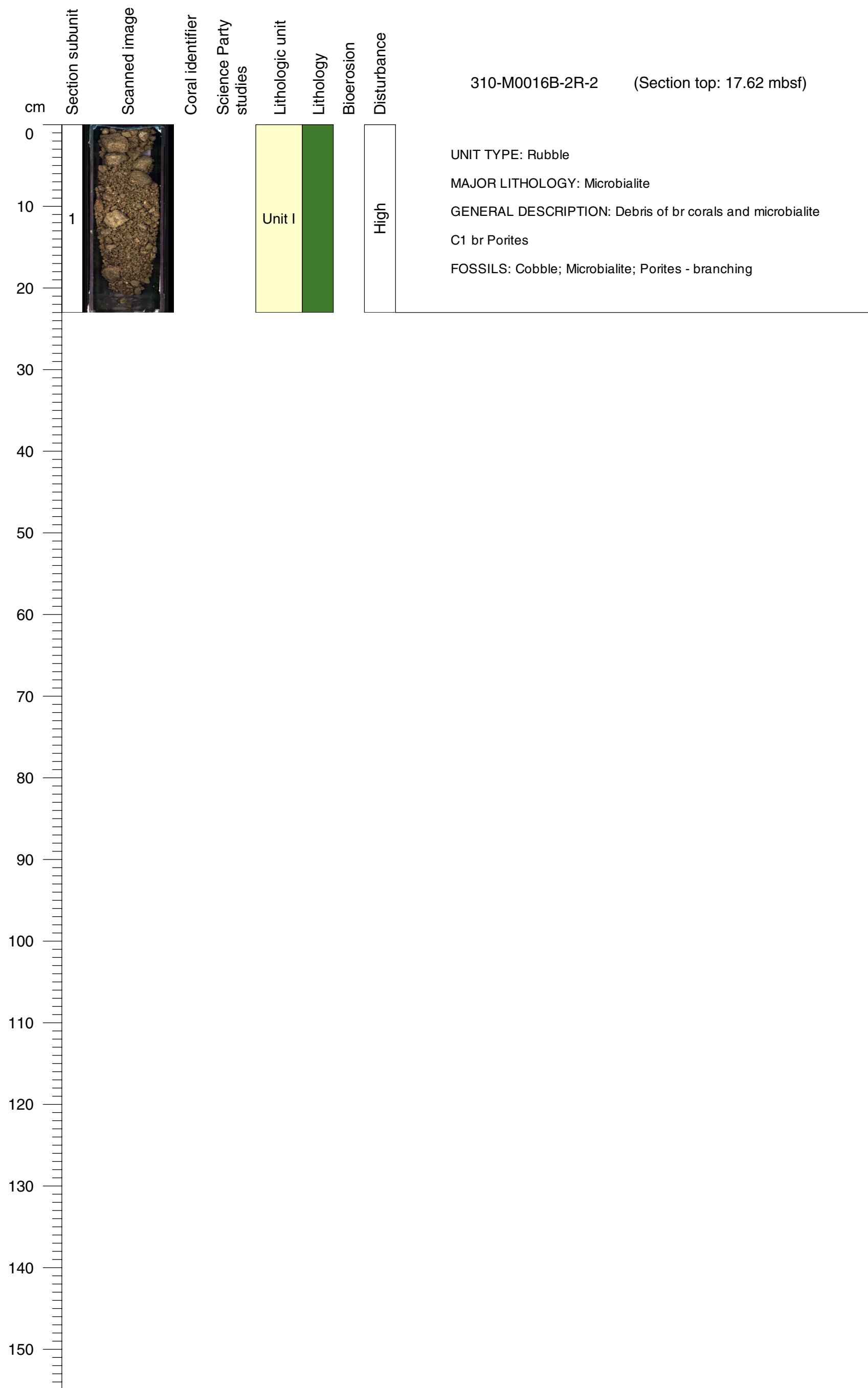


Core Photo

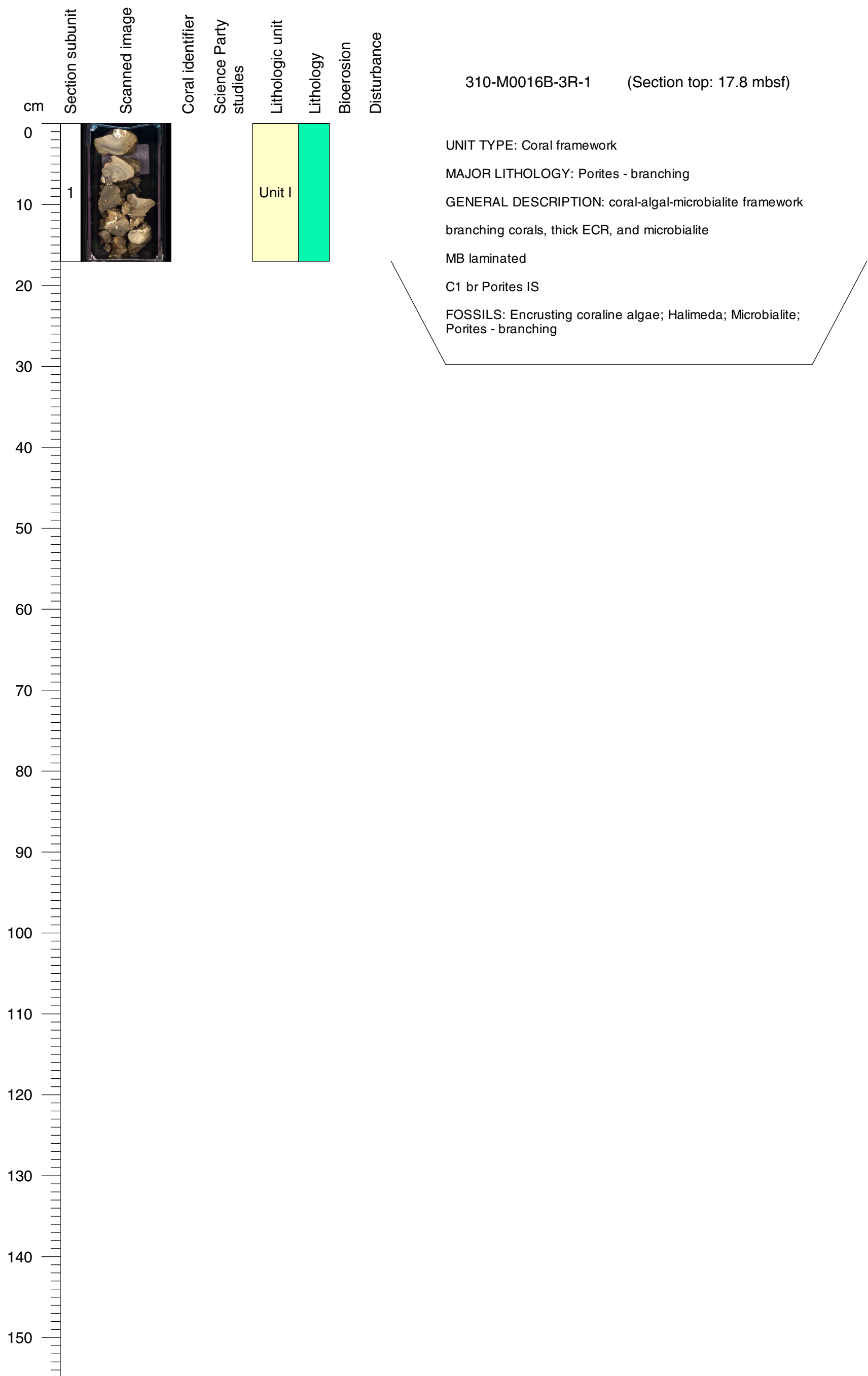




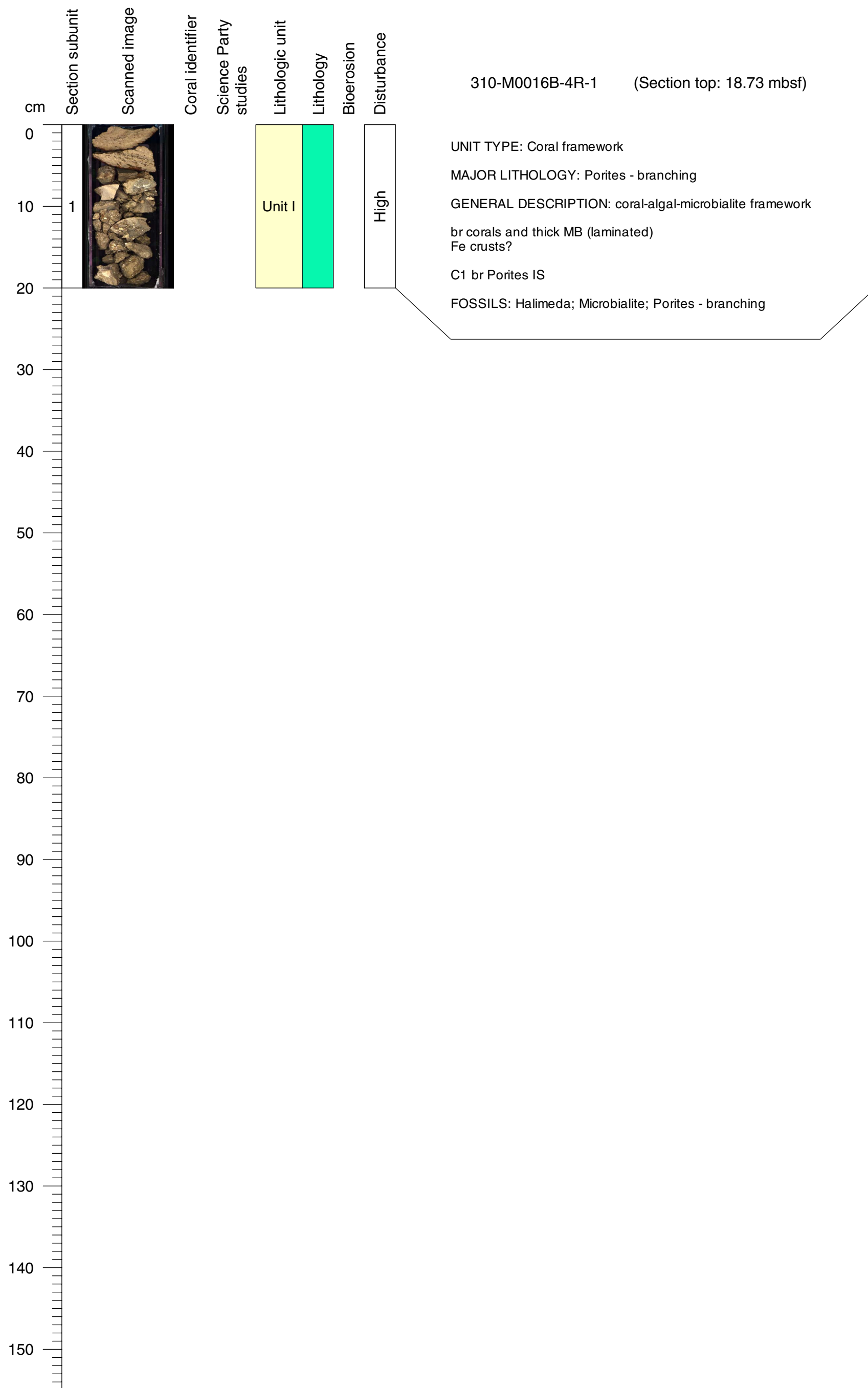
**Core Photo**



**Core Photo**

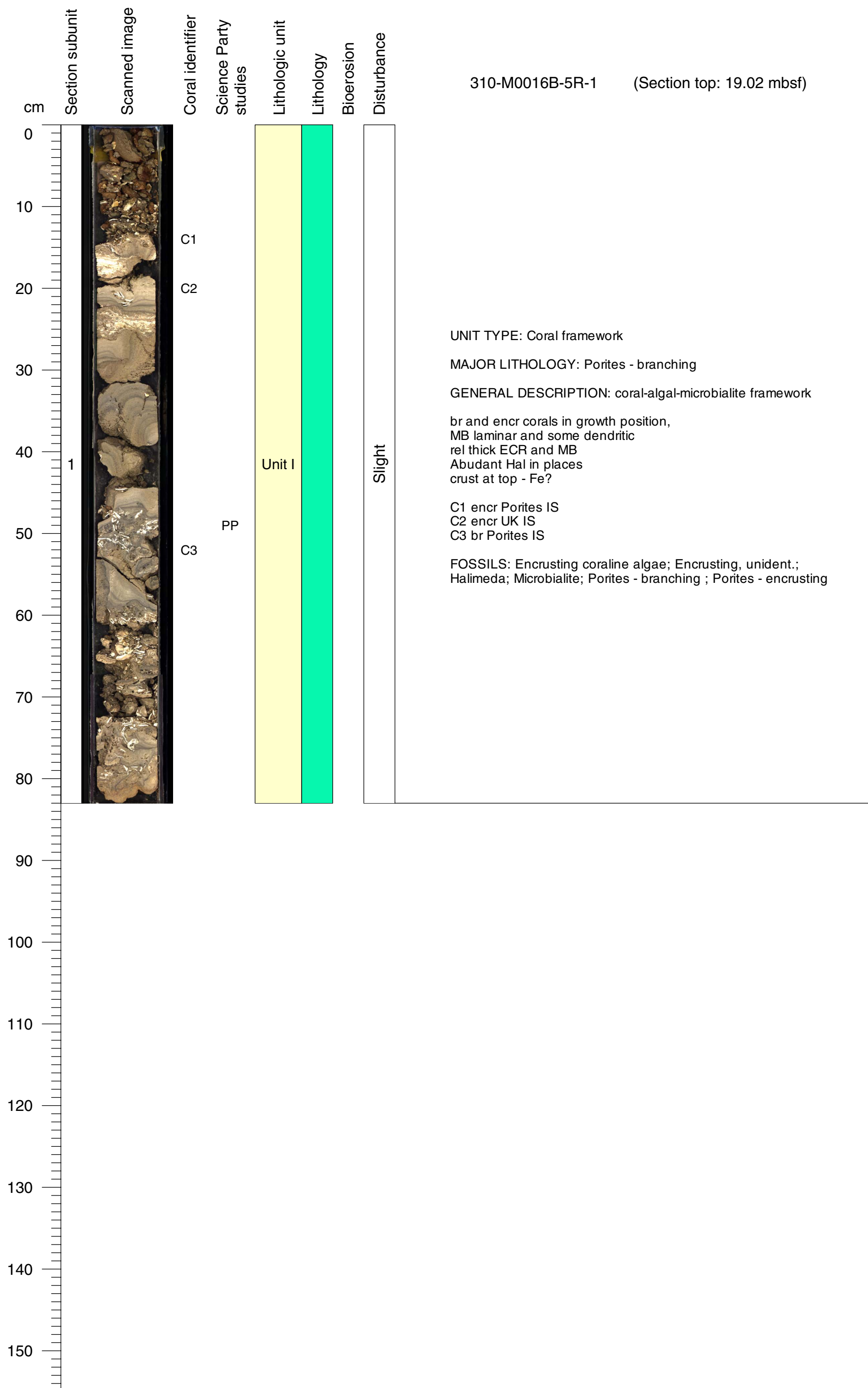


Core Photo



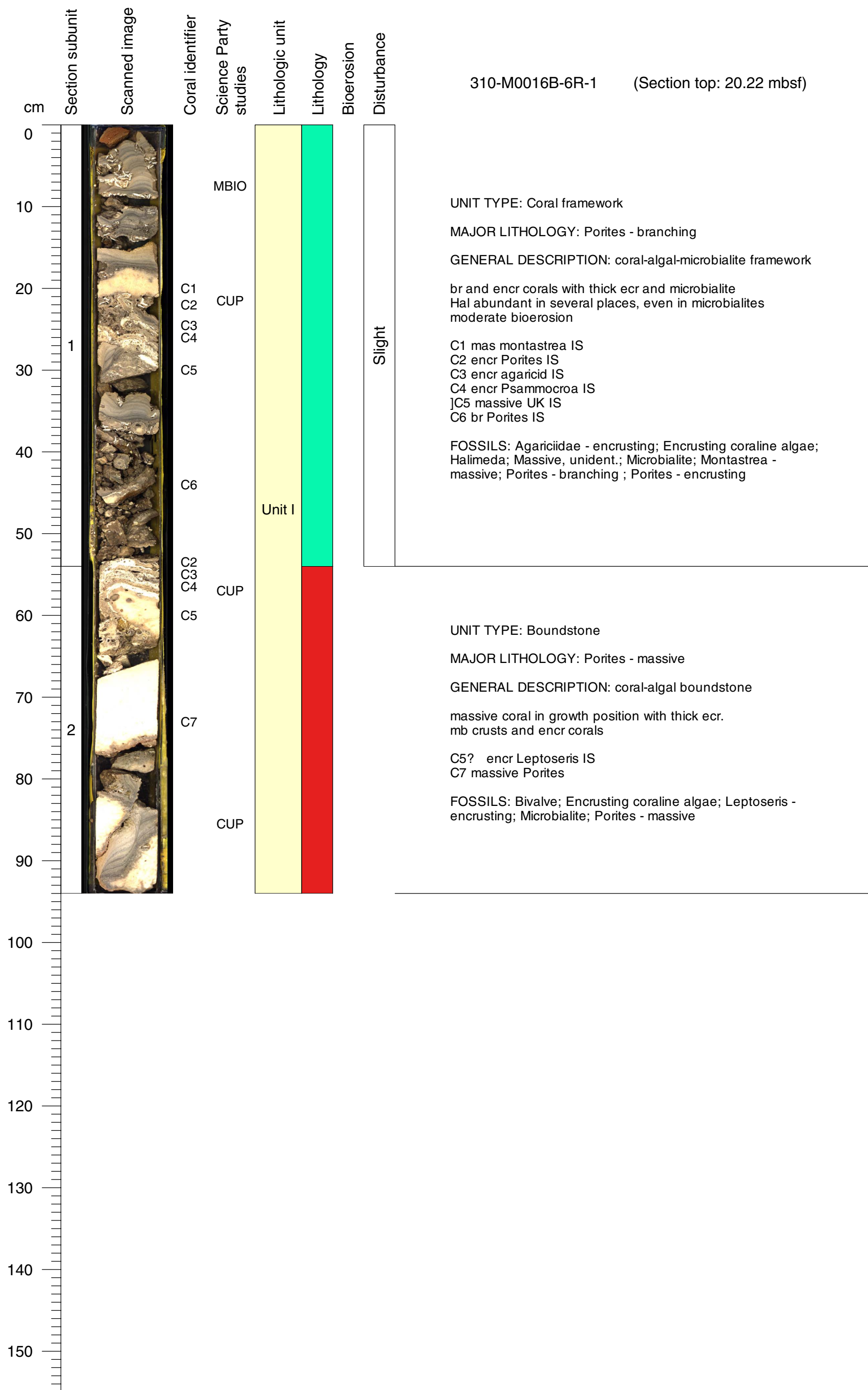
Core Photo

310-M0016B-5R-1 (Section top: 19.02 mbsf)



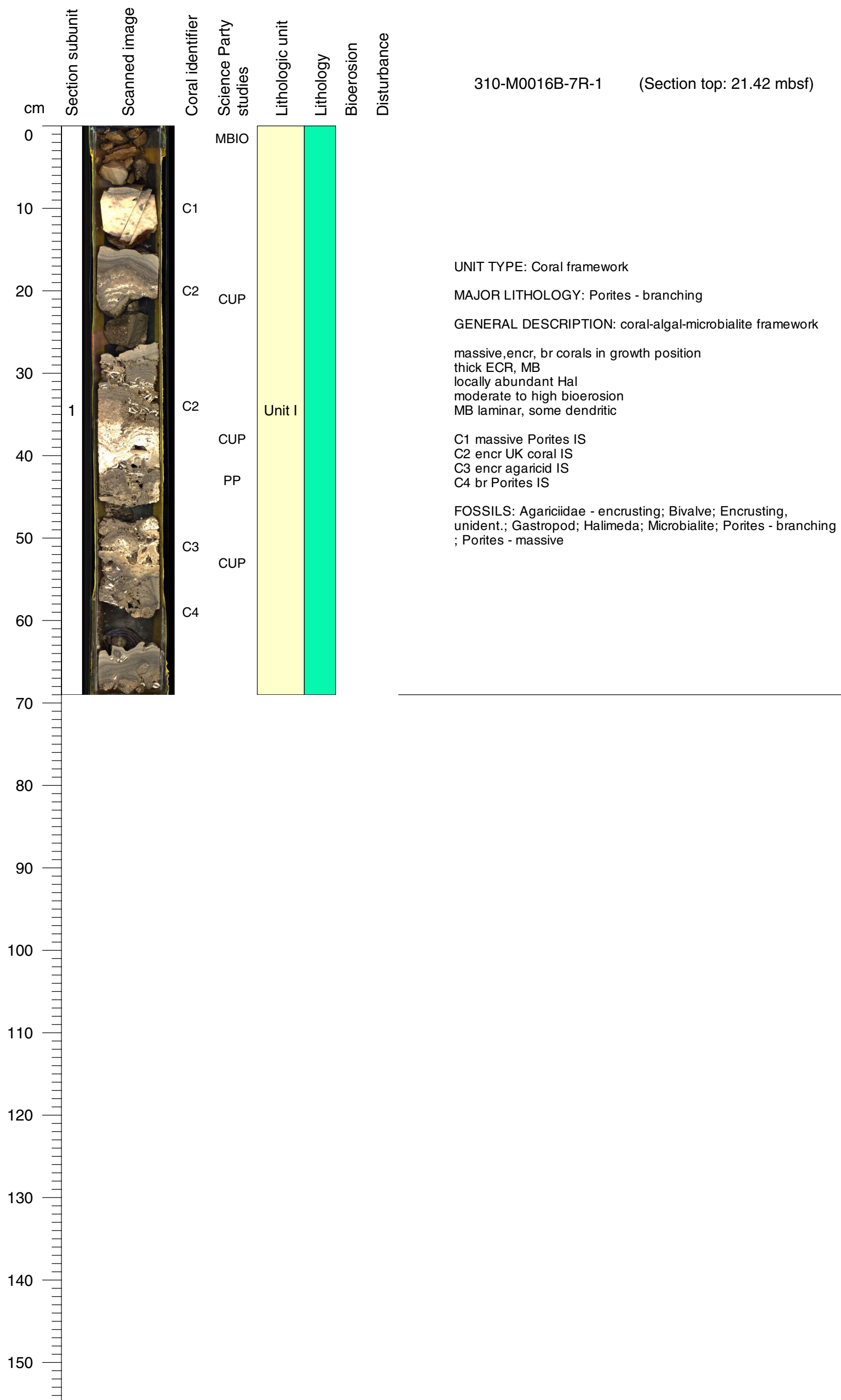
Core Photo

310-M0016B-6R-1 (Section top: 20.22 mbsf)

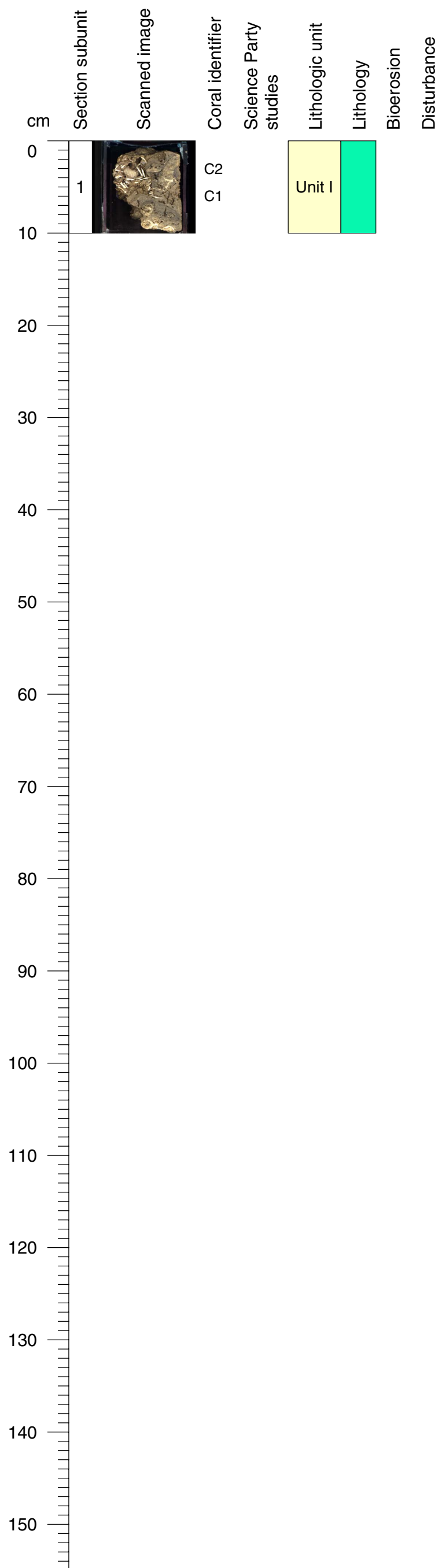


Core Photo

310-M0016B-7R-1 (Section top: 21.42 mbsf)



**Core Photo**



310-M0016B-7R-2 (Section top: 22.11 mbsf)

UNIT TYPE: Coral framework

MAJOR LITHOLOGY: Porites - branching

GENERAL DESCRIPTION: coral-microbialite framework

branching corals in growth position and MB  
rob br debris  
thin ECR  
Hal abundant in places

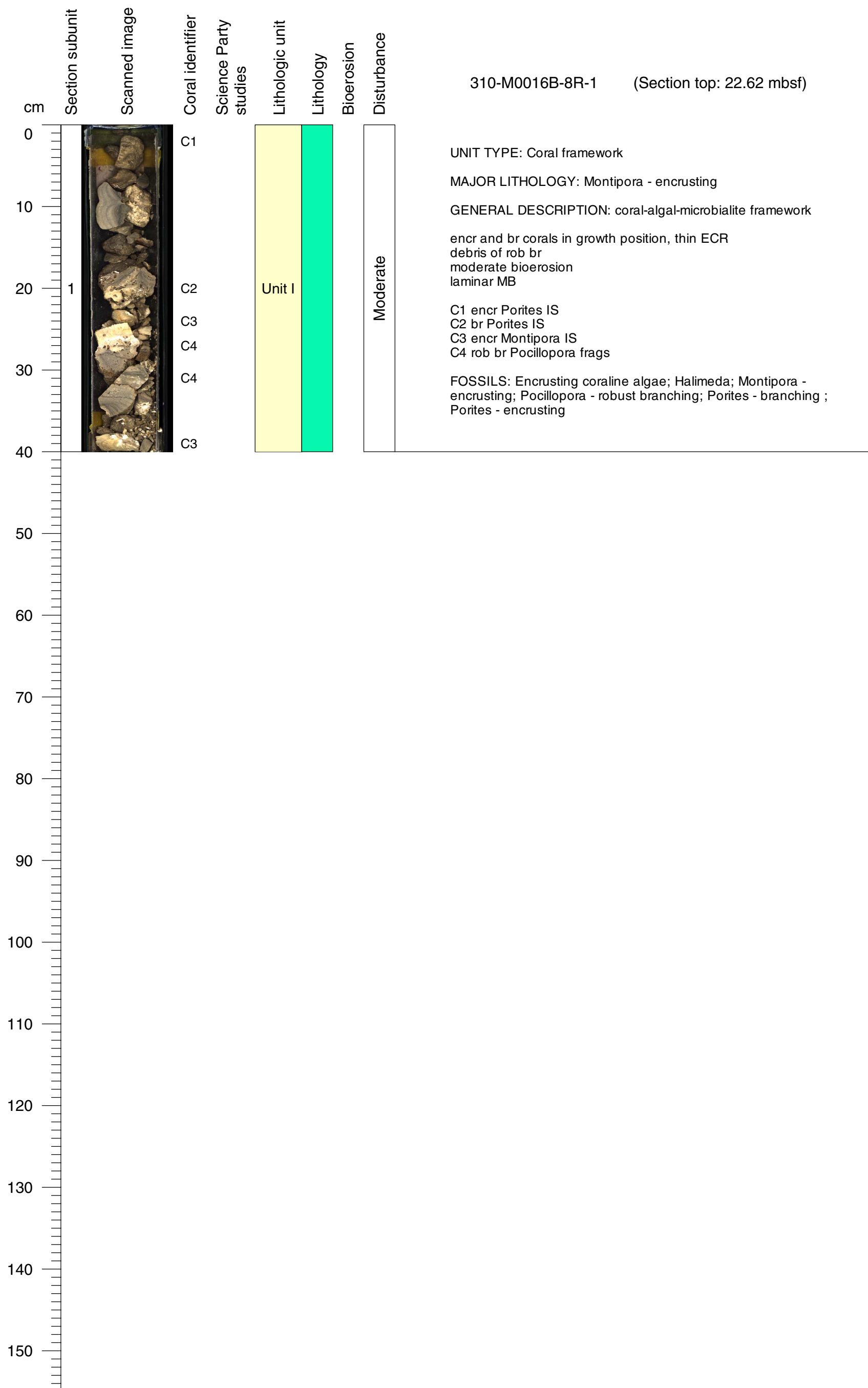
C1 br Porites IS  
C2 rob br Pocillopora frag

FOSSILS: Encrusting coraline algae; Halimeda; Microbialite;  
Pocillopora - robust branching; Porites - branching



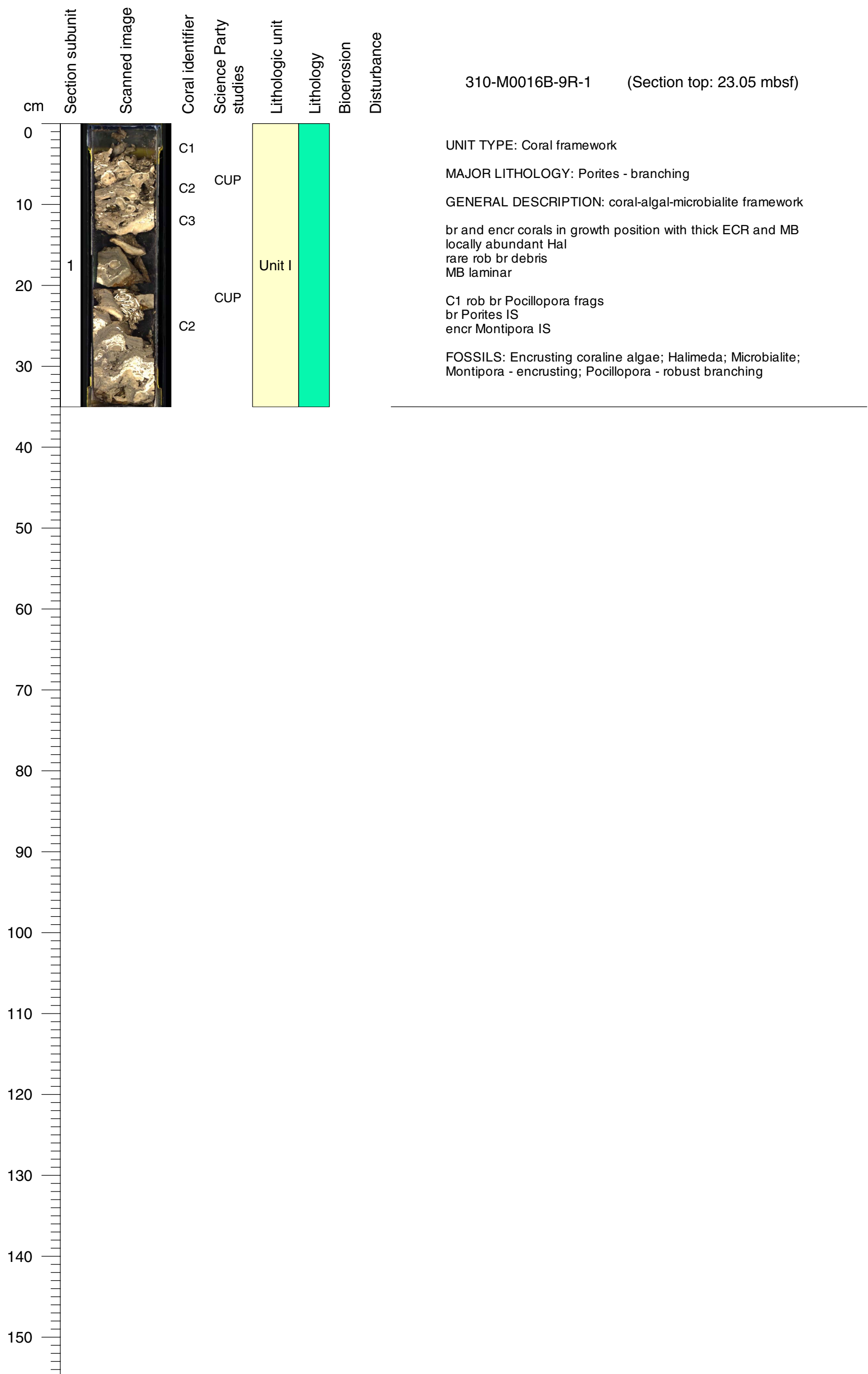
Core Photo

310-M0016B-8R-1 (Section top: 22.62 mbsf)

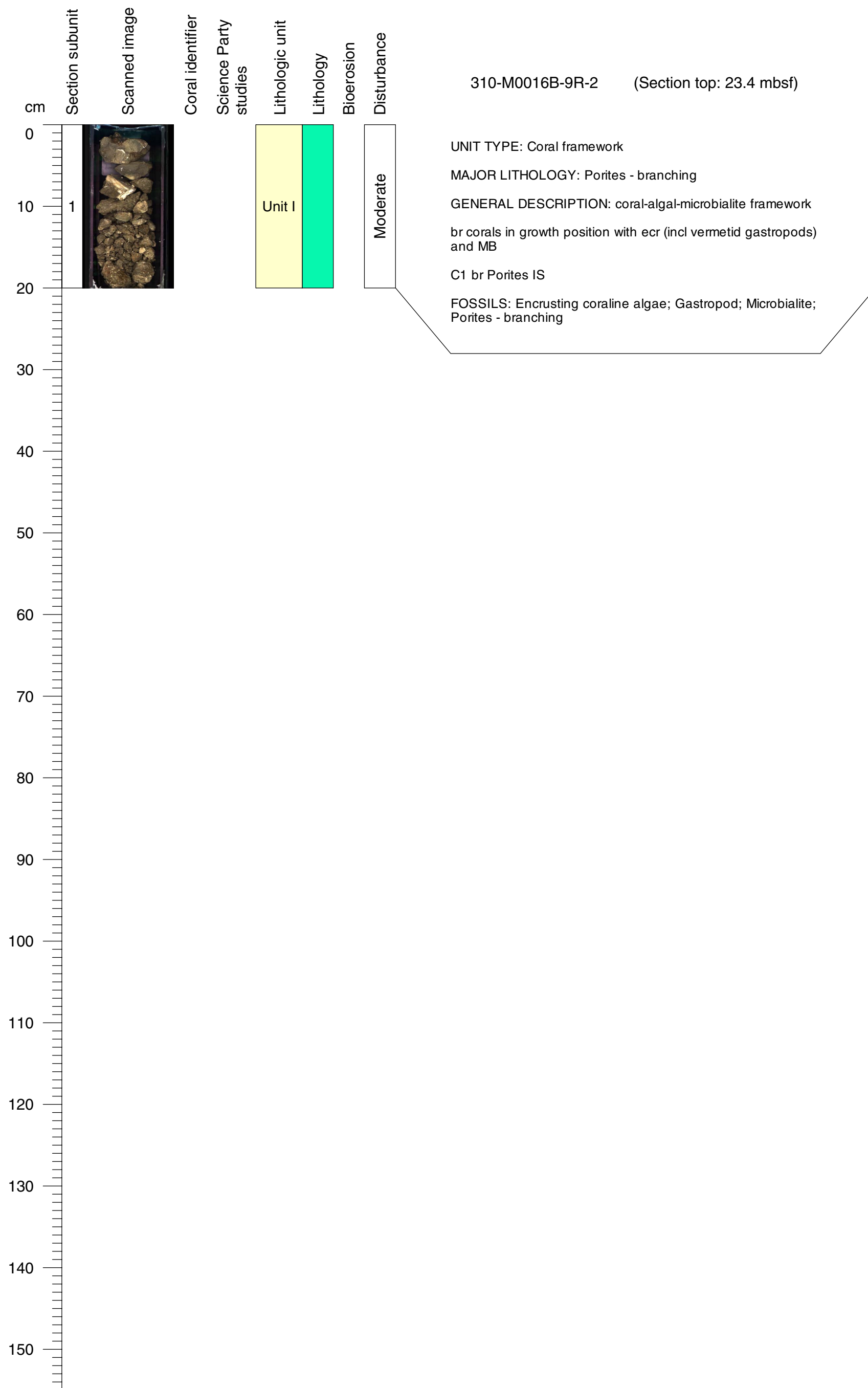




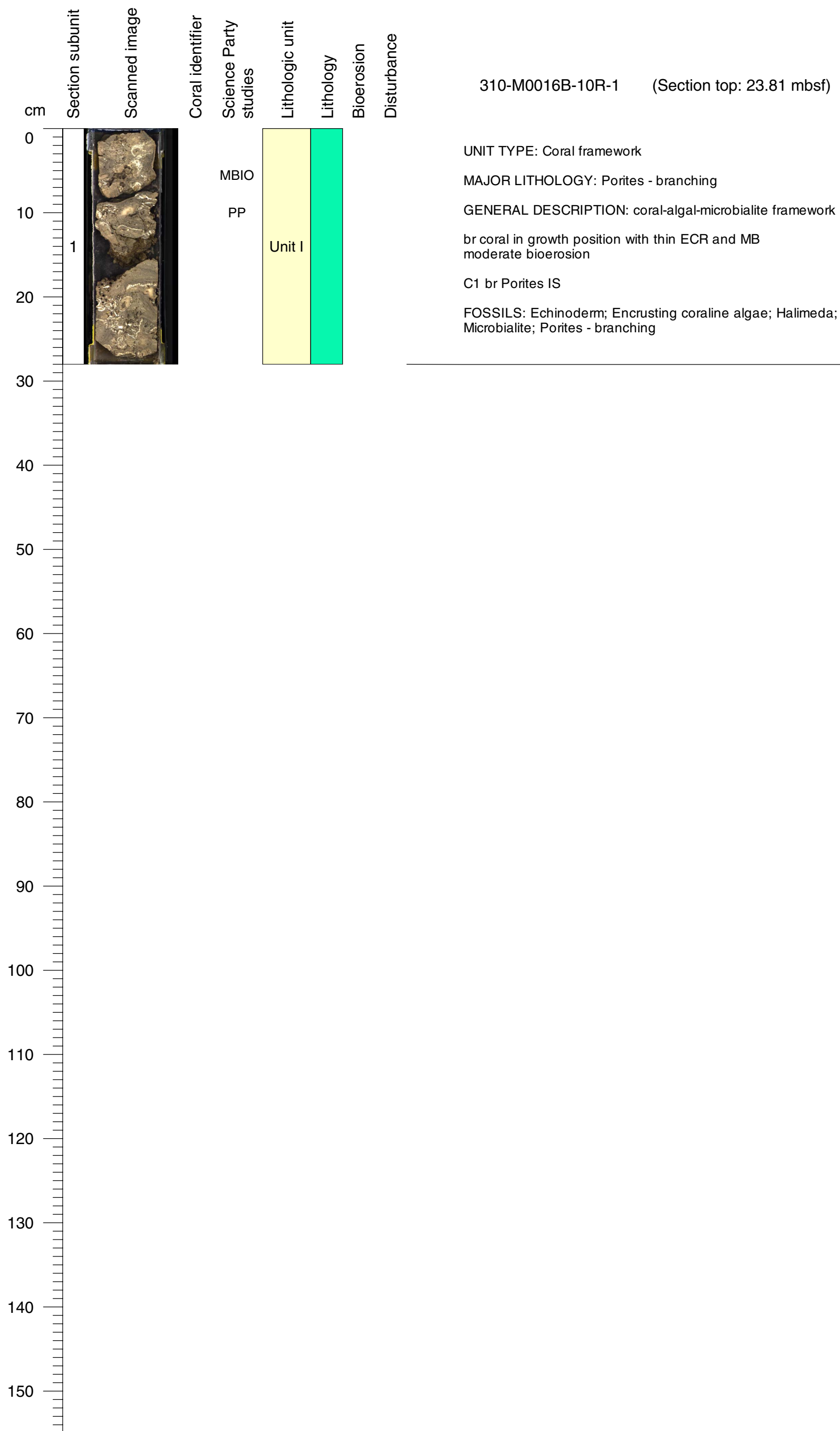
Core Photo



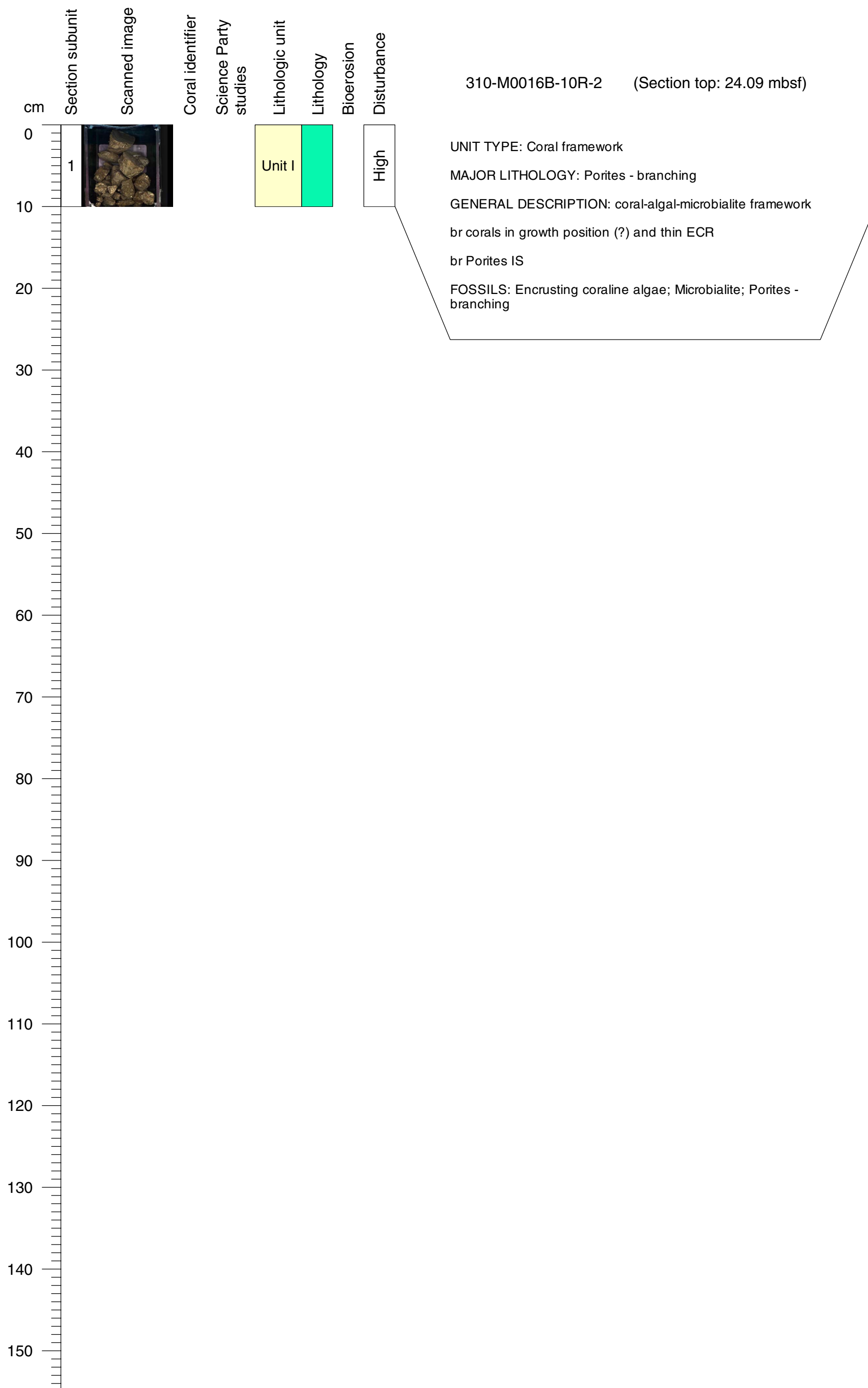
Core Photo



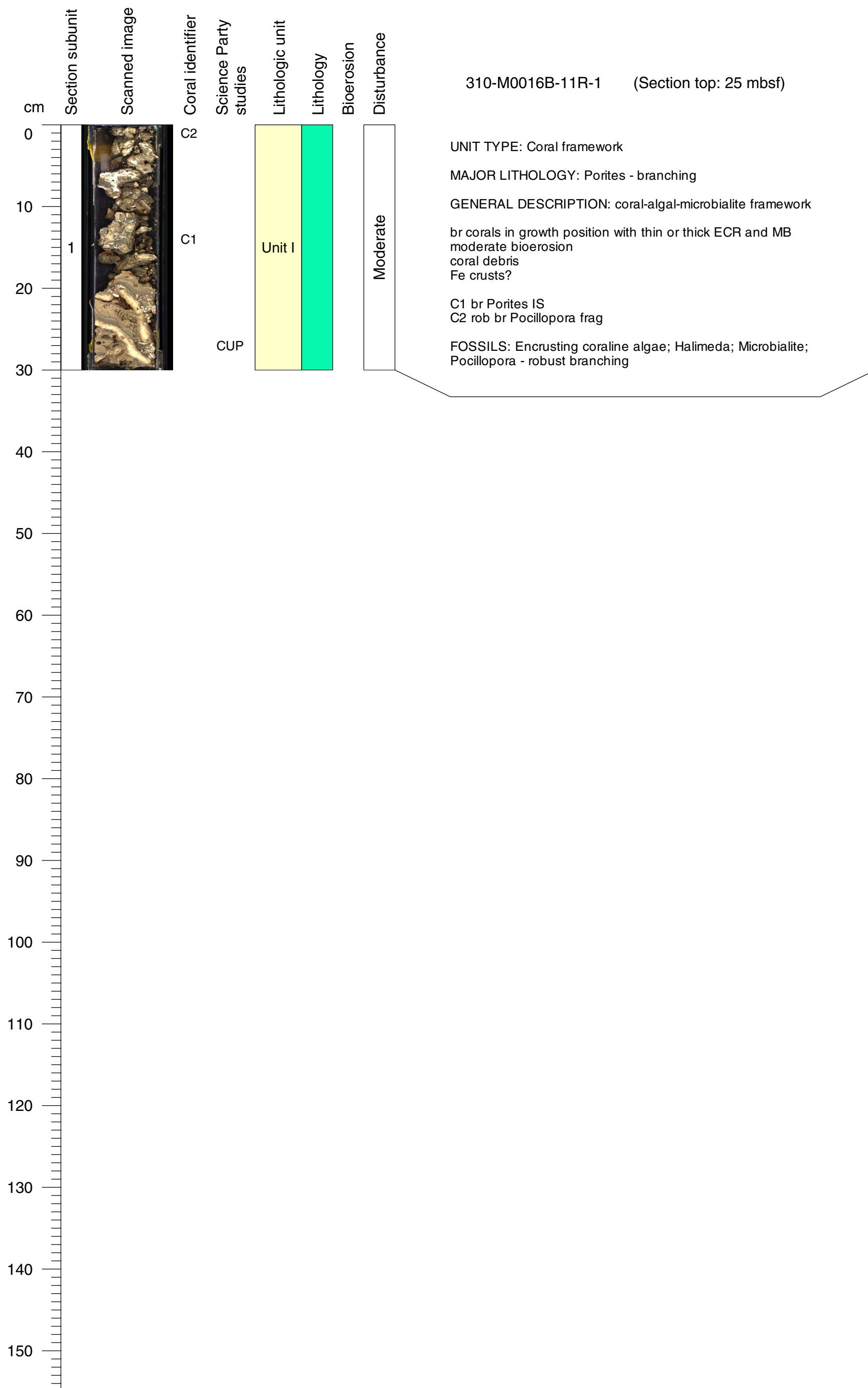
**Core Photo**



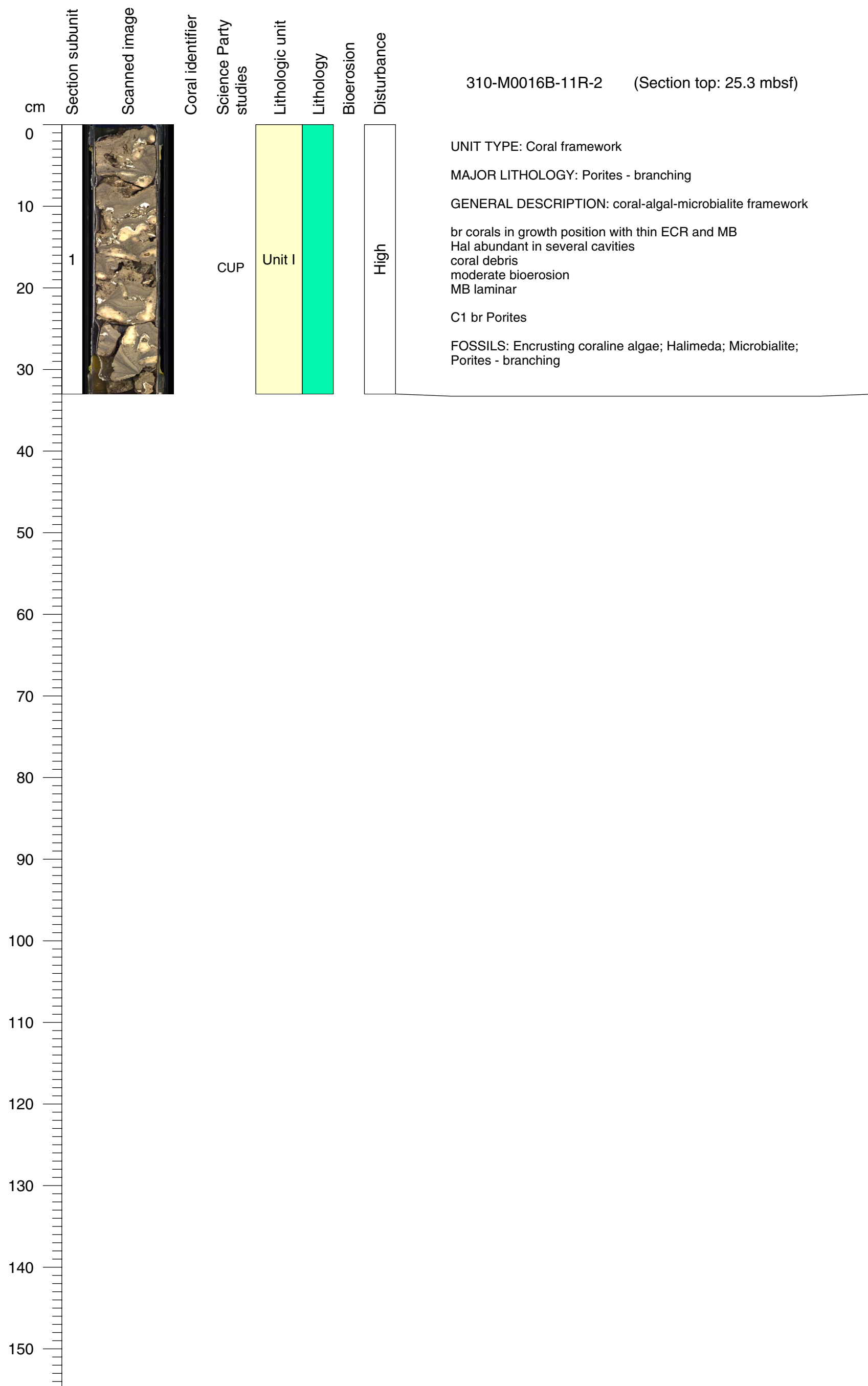
**Core Photo**



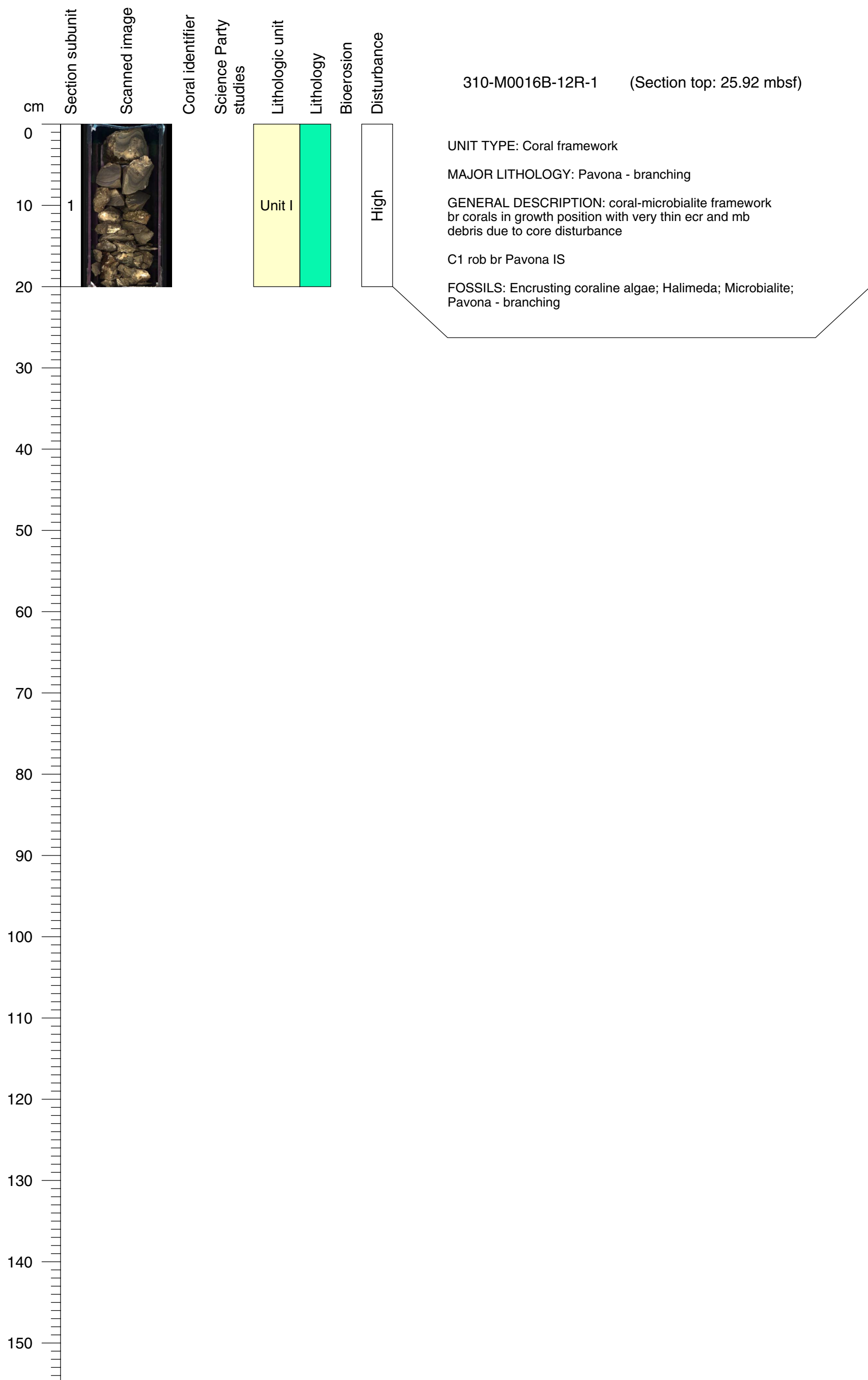
**Core Photo**



Core Photo

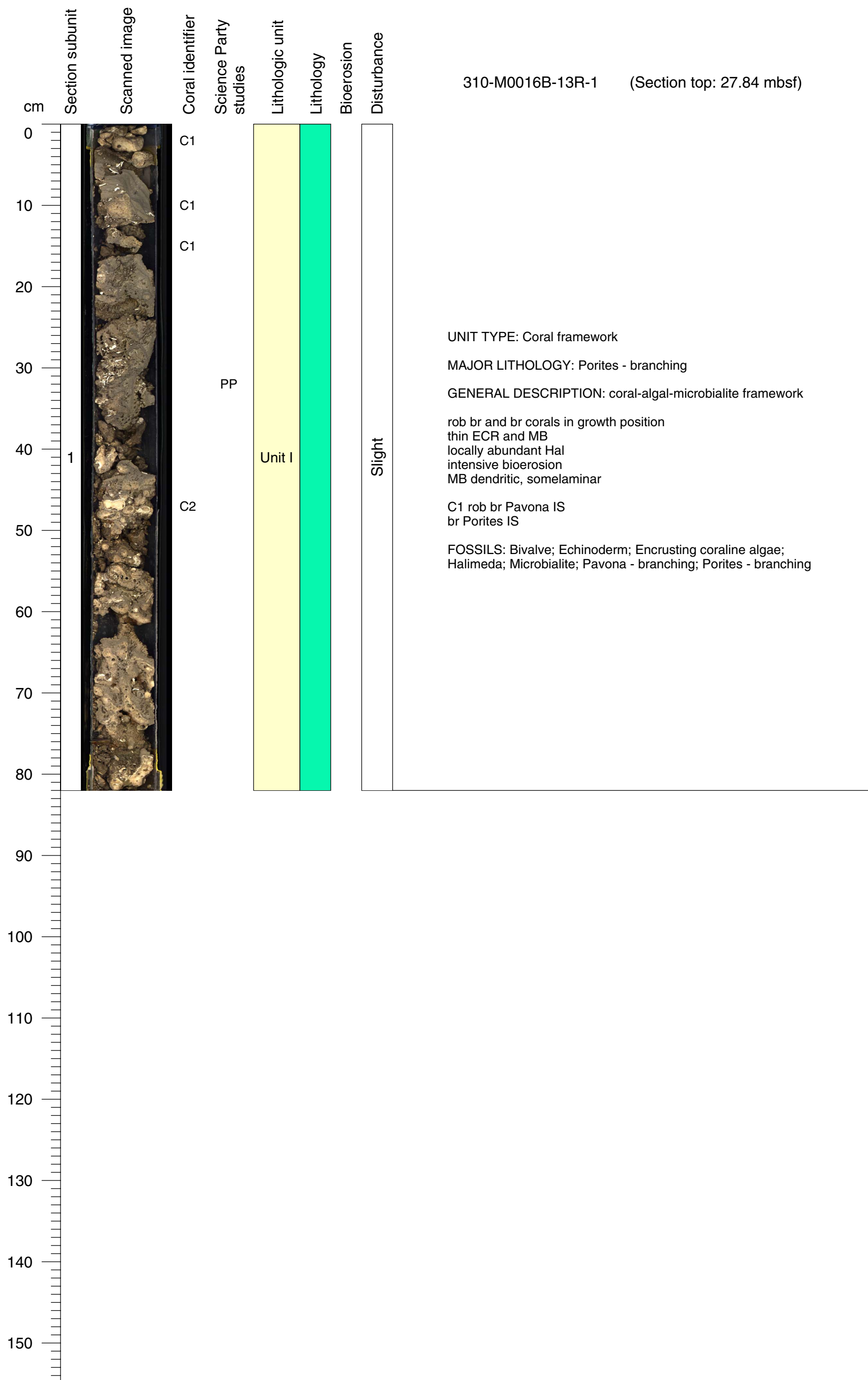


**Core Photo**



Core Photo

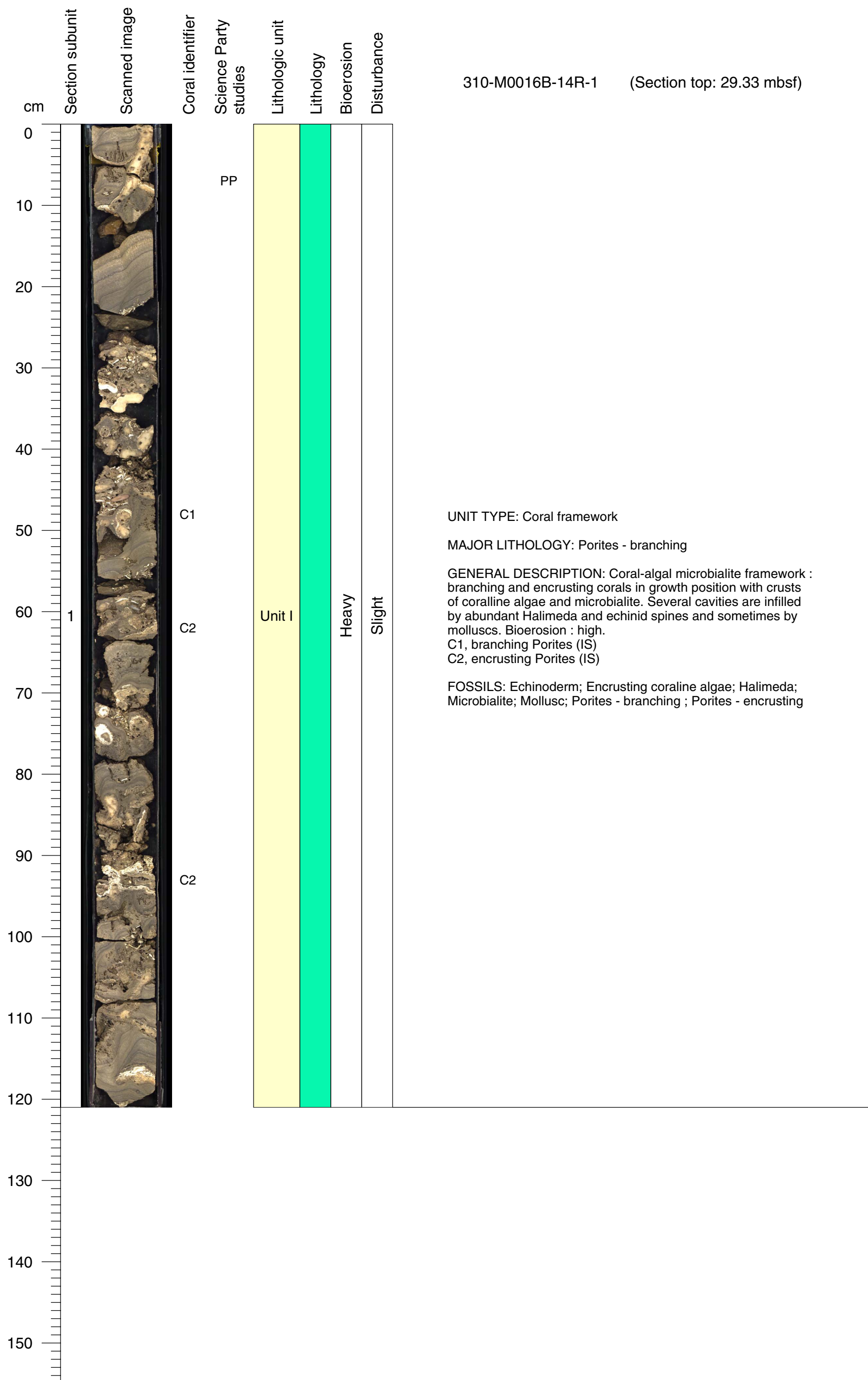
310-M0016B-13R-1 (Section top: 27.84 mbsf)



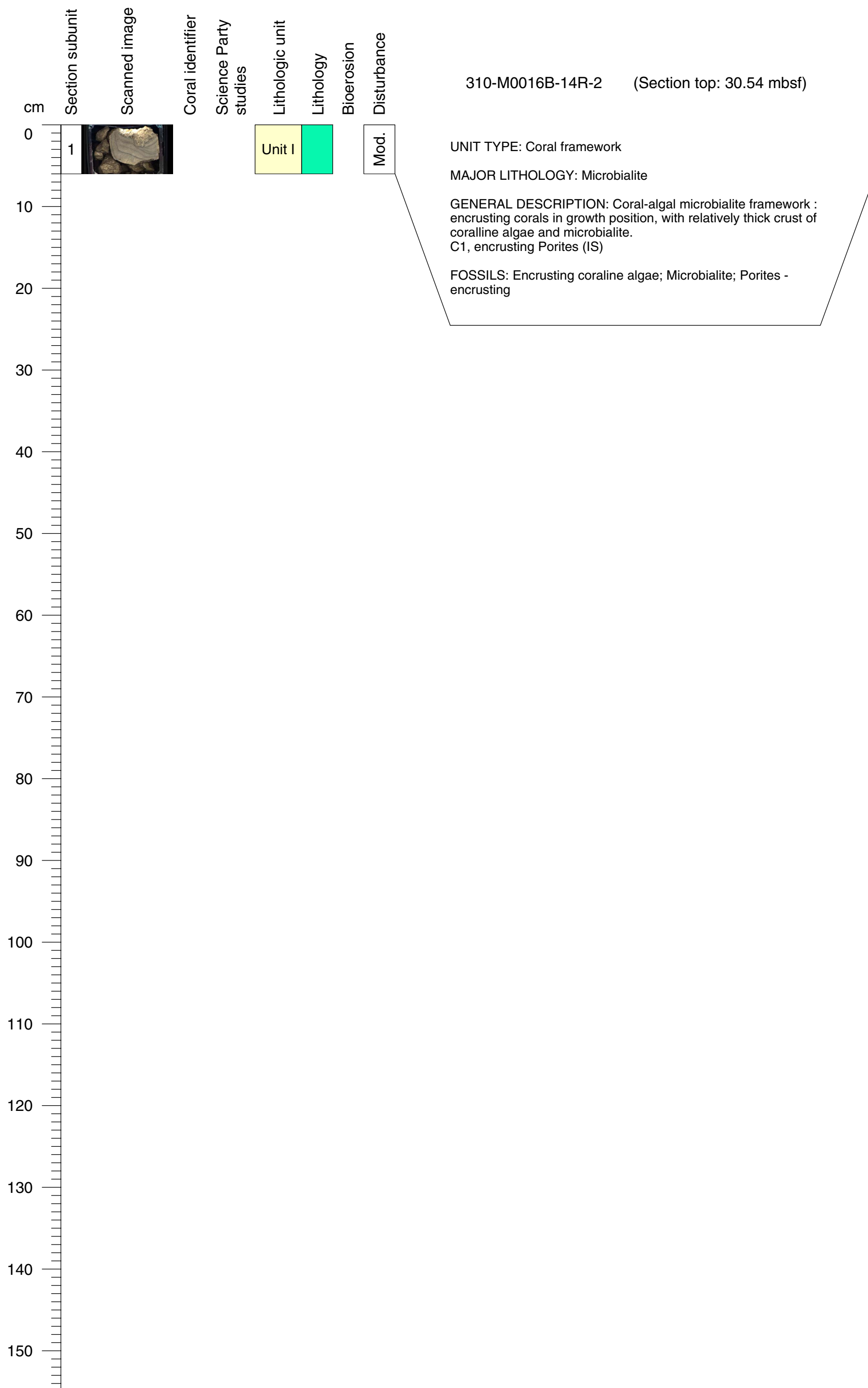


Core Photo

310-M0016B-14R-1 (Section top: 29.33 mbsf)

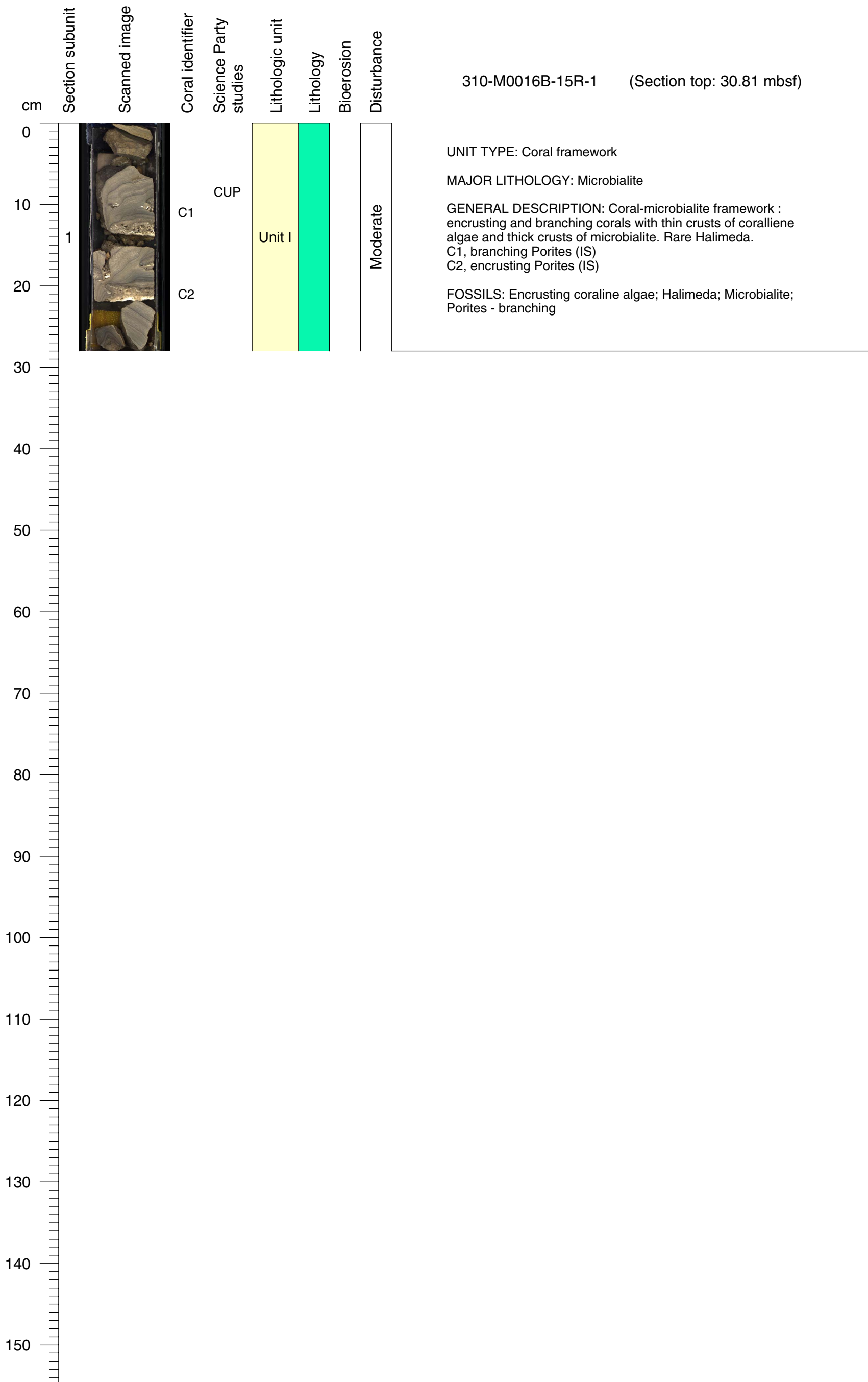


**Core Photo**

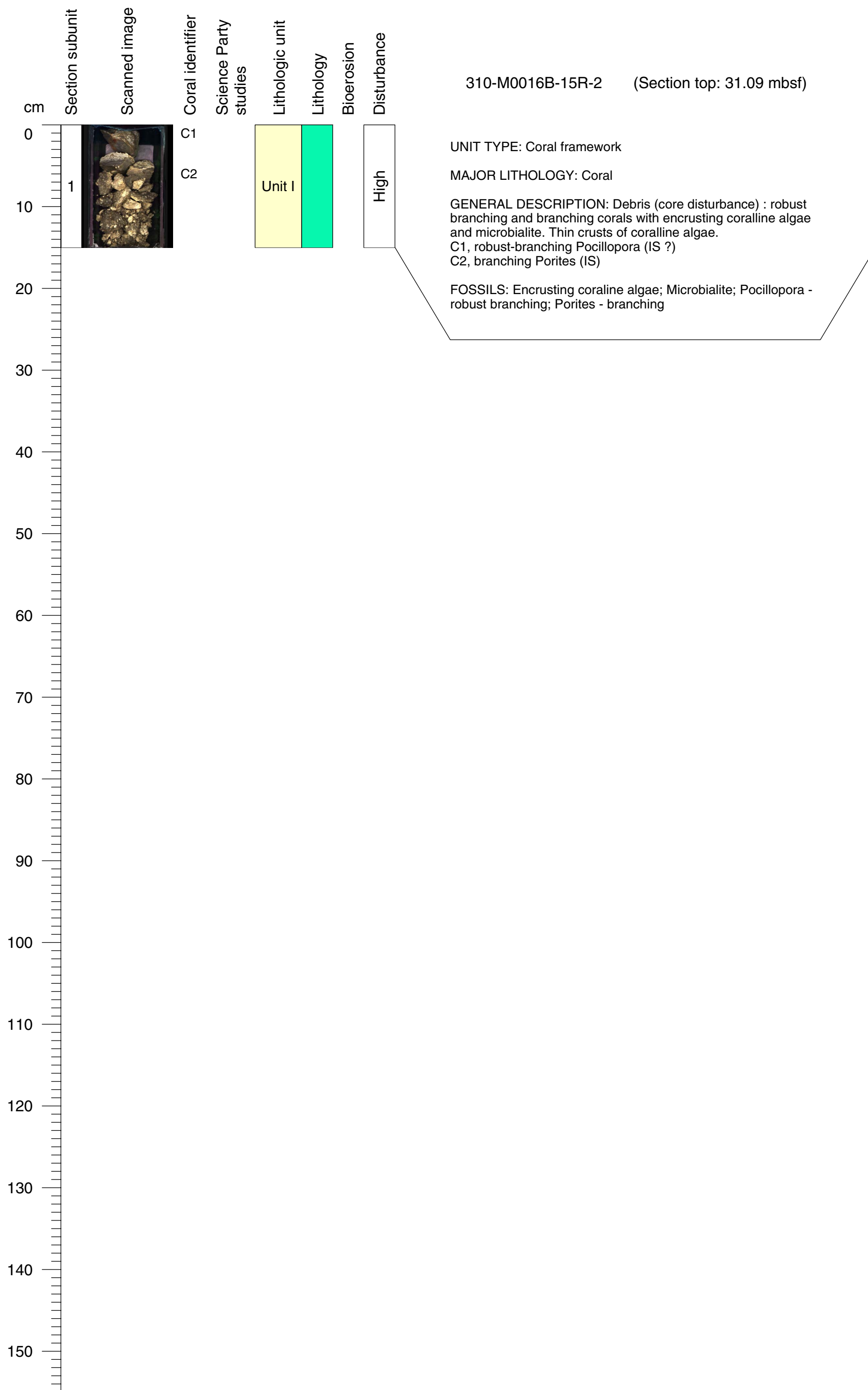


**Core Photo**

310-M0016B-15R-1 (Section top: 30.81 mbsf)

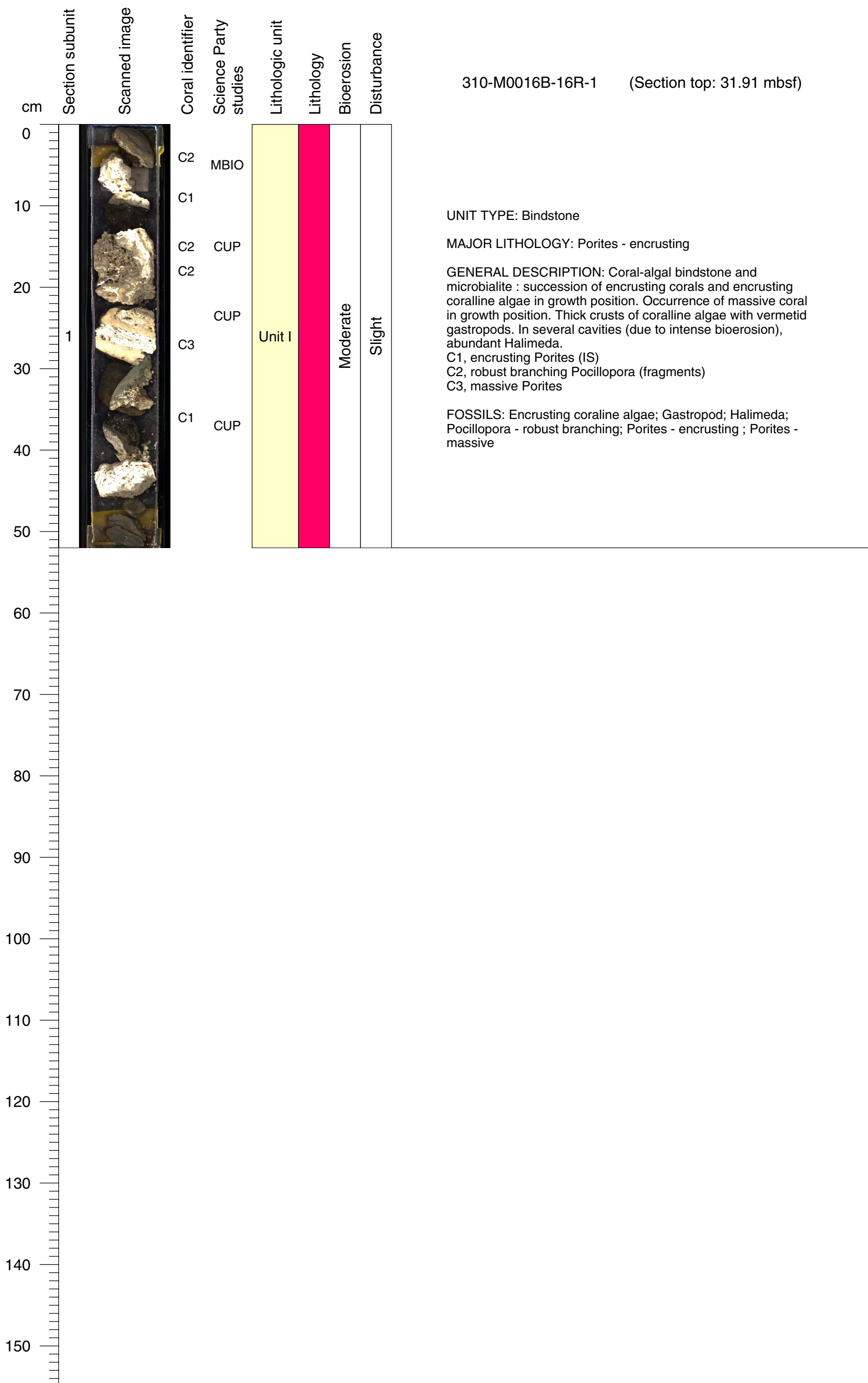


Core Photo

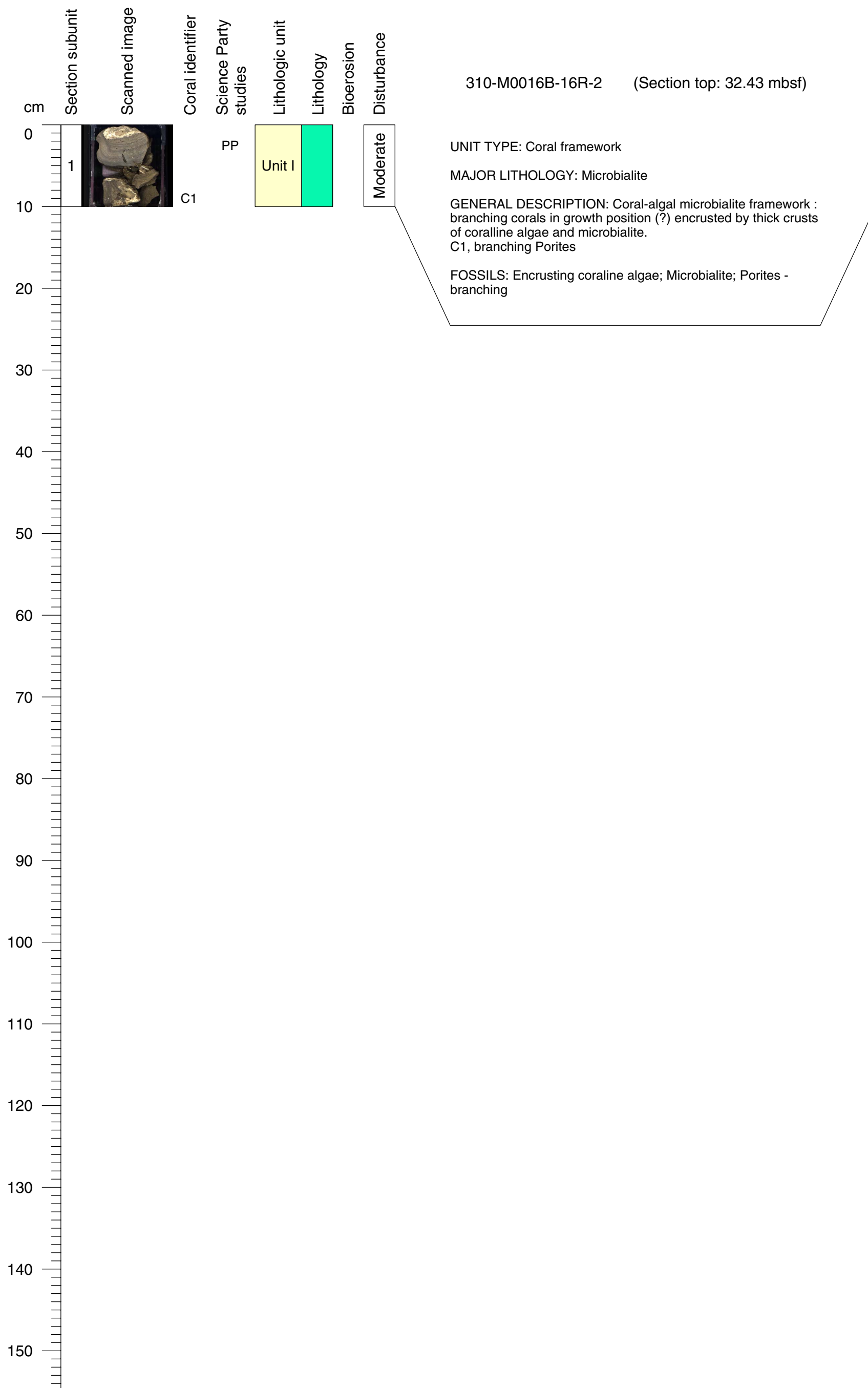


**Core Photo**

310-M0016B-16R-1 (Section top: 31.91 mbsf)




**Core Photo**



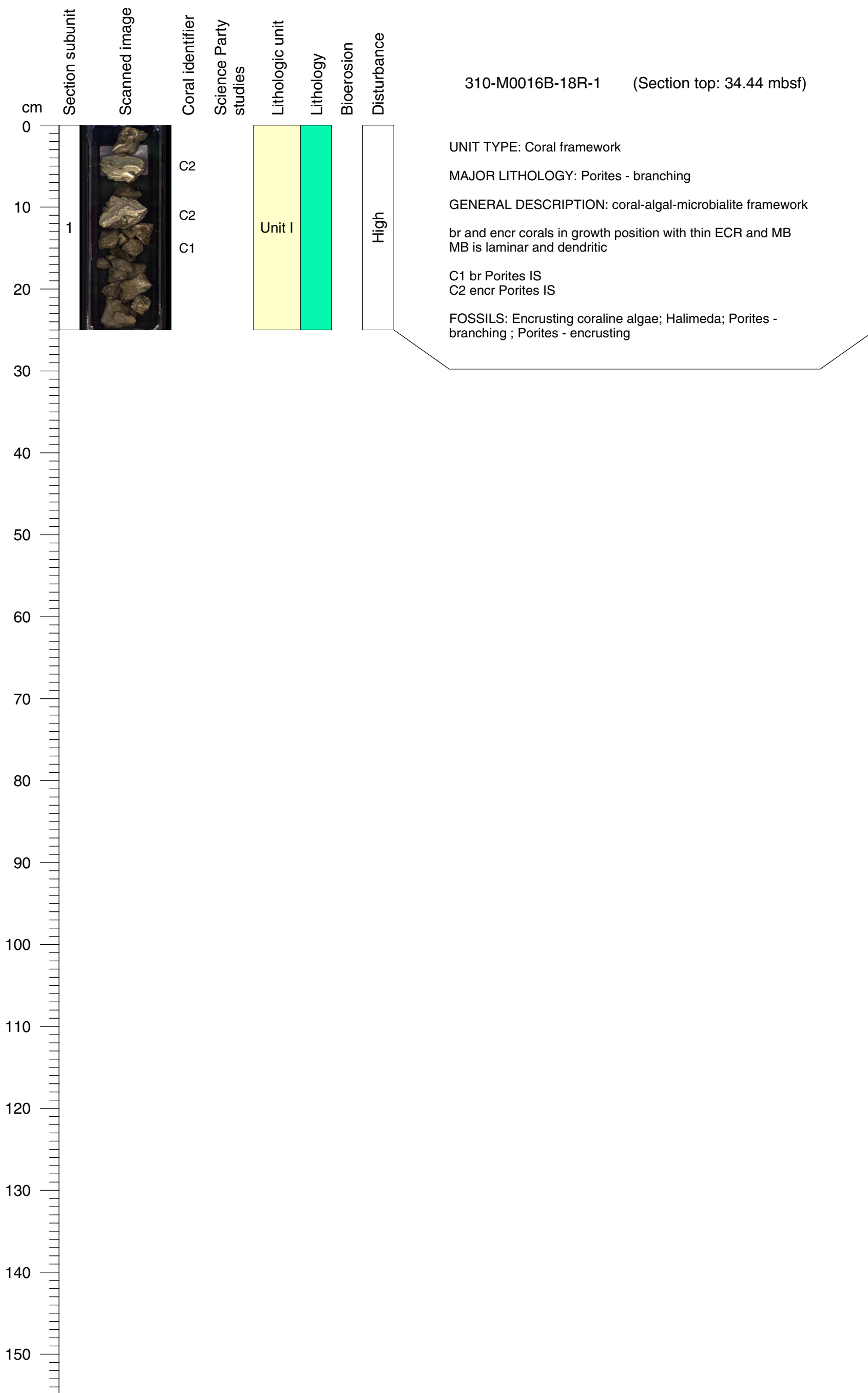
Core Photo

310-M0016B-17R-1 (Section top: 33.21 mbsf)

cm	Section subunit	Scanned image	Coral identifier	Science Party studies	Lithologic unit	Lithology	Bioerosion	Disturbance	
0					Unit I	Coral framework		Moderate	UNIT TYPE: Coral framework MAJOR LITHOLOGY: Porites - branching GENERAL DESCRIPTION: coral-algal-microbialite framework br and encr corals in growth position with veneers of ECR and MB MB is laminar and dendritic FOSSILS: Echinoderm; Encrusting coralline algae; Gastropod; Halimeda; Microbialite; Porites - branching
10			CUP						
20			CUP						
30			C2						
35			CUP						
40			C2						
50	2		CUP						
55			C3						
60									
70									
80									
90									
100									
110									
120									
130									
140									
150									
								Slight	UNIT TYPE: Boundstone MAJOR LITHOLOGY: Porites - massive GENERAL DESCRIPTION: coral-algal boundstone encr corals and ecr in growth position and MB massive in growth position thick ECR with vermetid gastropods C2 encre Porites IS C3 massive Porites IS FOSSILS: Encrusting coralline algae; Gastropod; Halimeda; Microbialite; Porites - encrusting ; Porites - massive

Core Photo

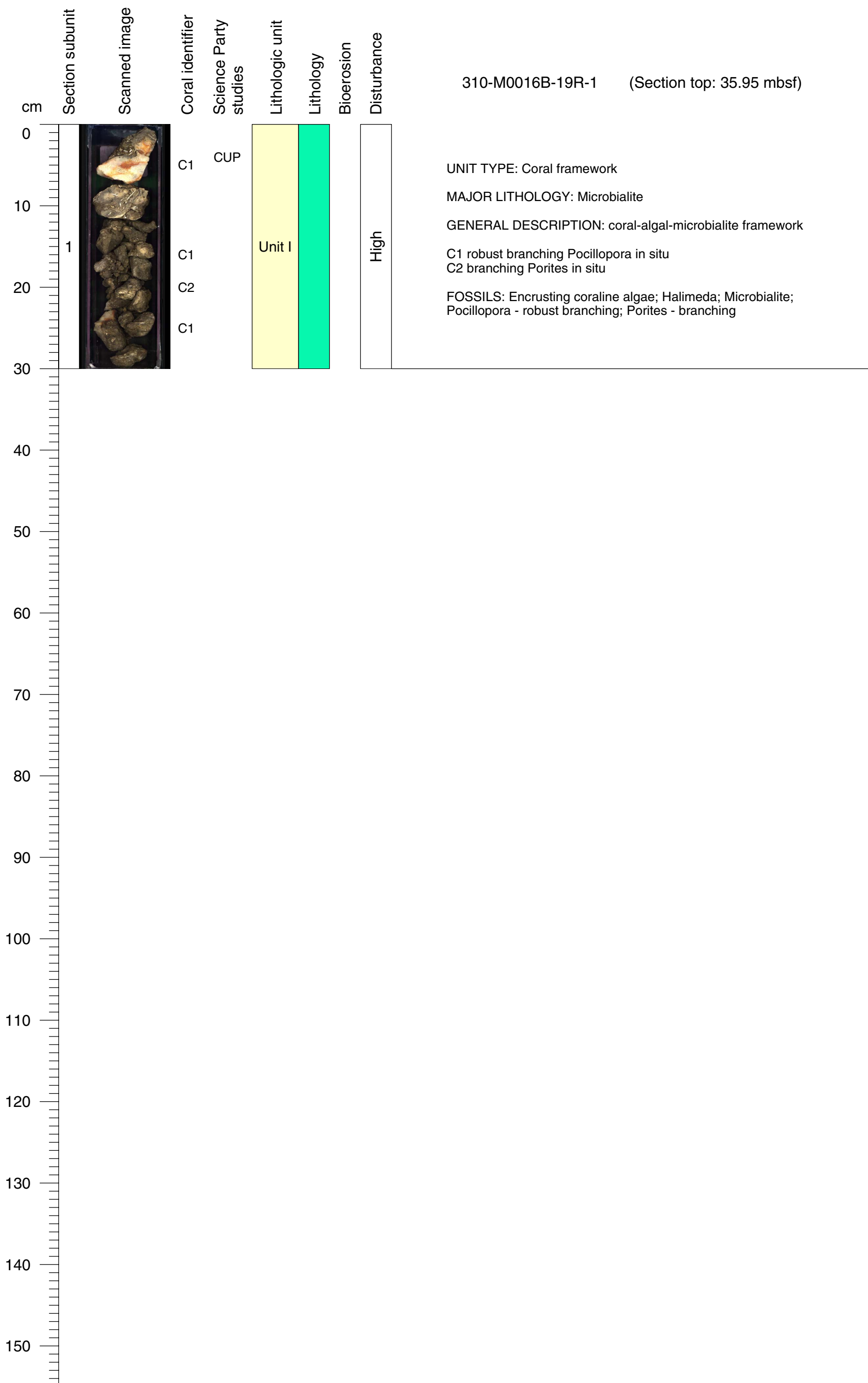
310-M0016B-18R-1 (Section top: 34.44 mbsf)





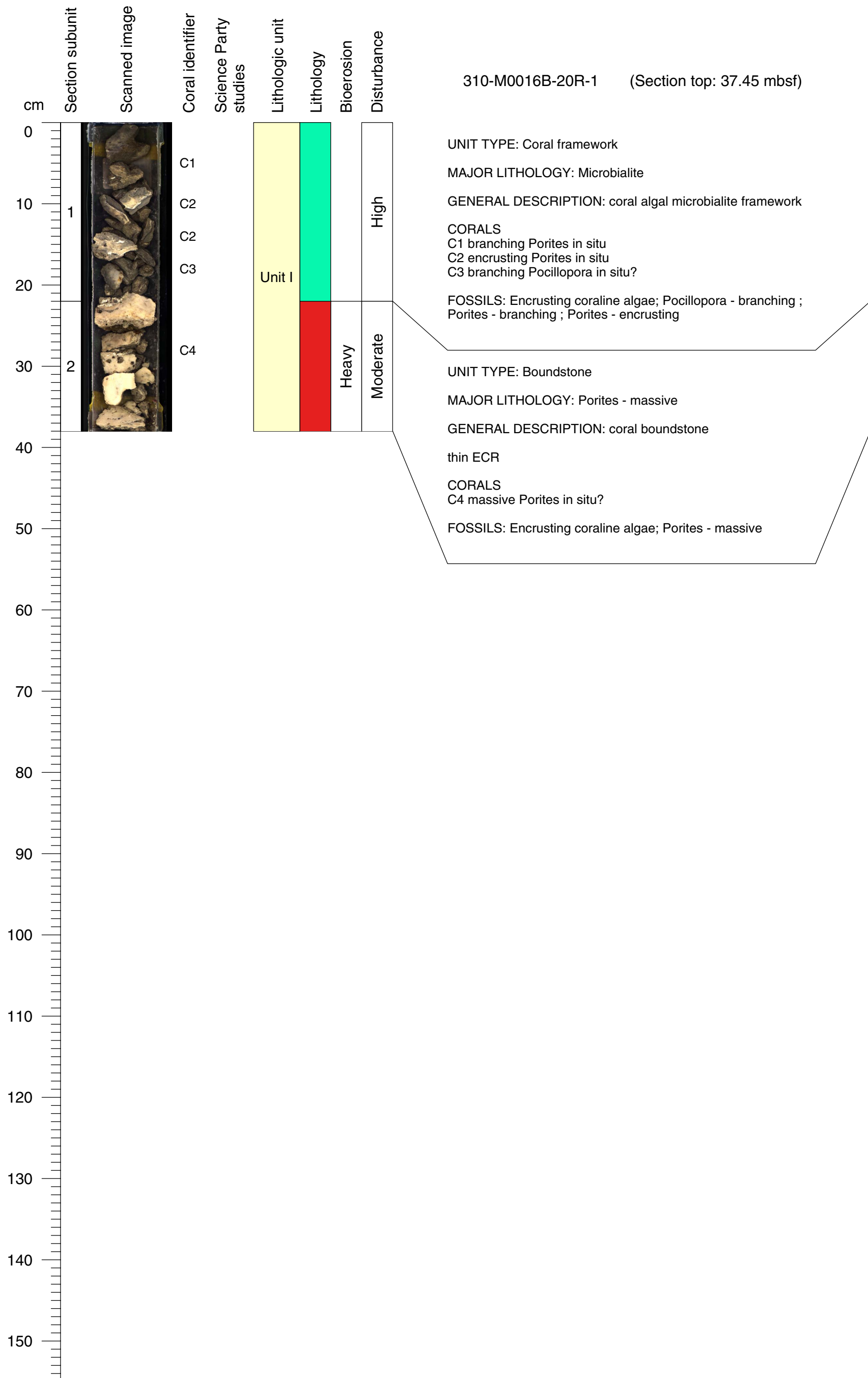
**Core Photo**

310-M0016B-19R-1 (Section top: 35.95 mbsf)

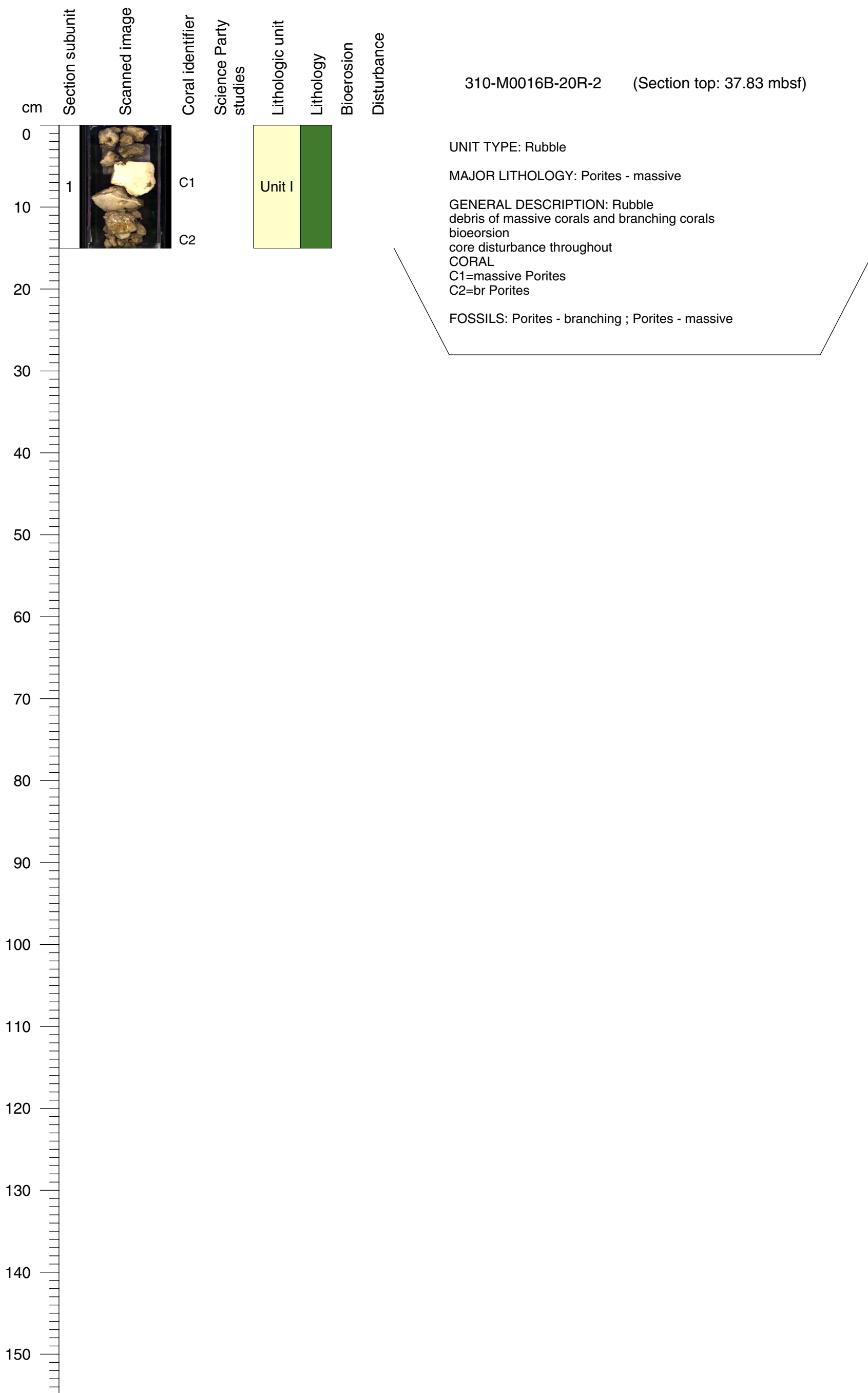


**Core Photo**

310-M0016B-20R-1 (Section top: 37.45 mbsf)

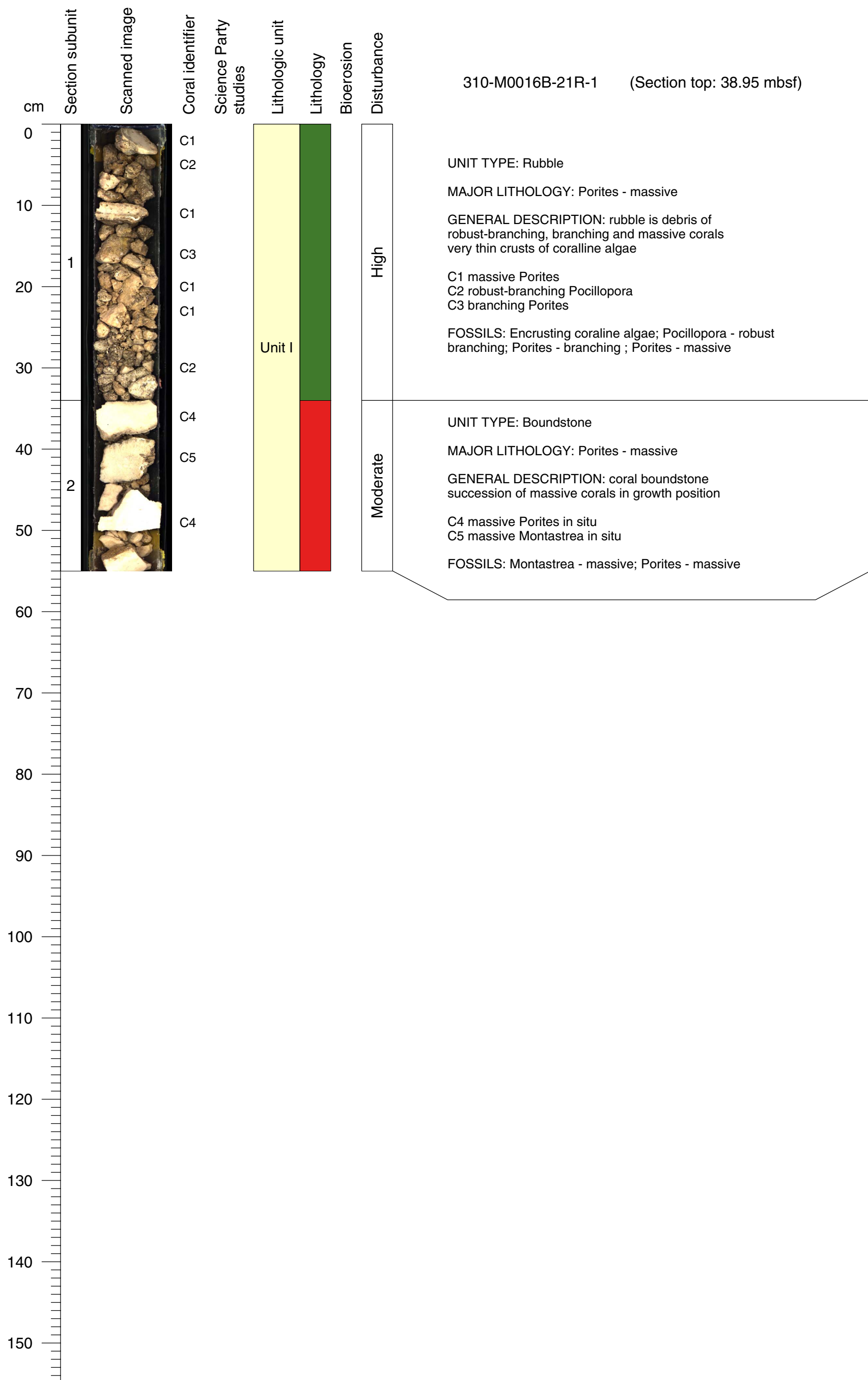


**Core Photo**

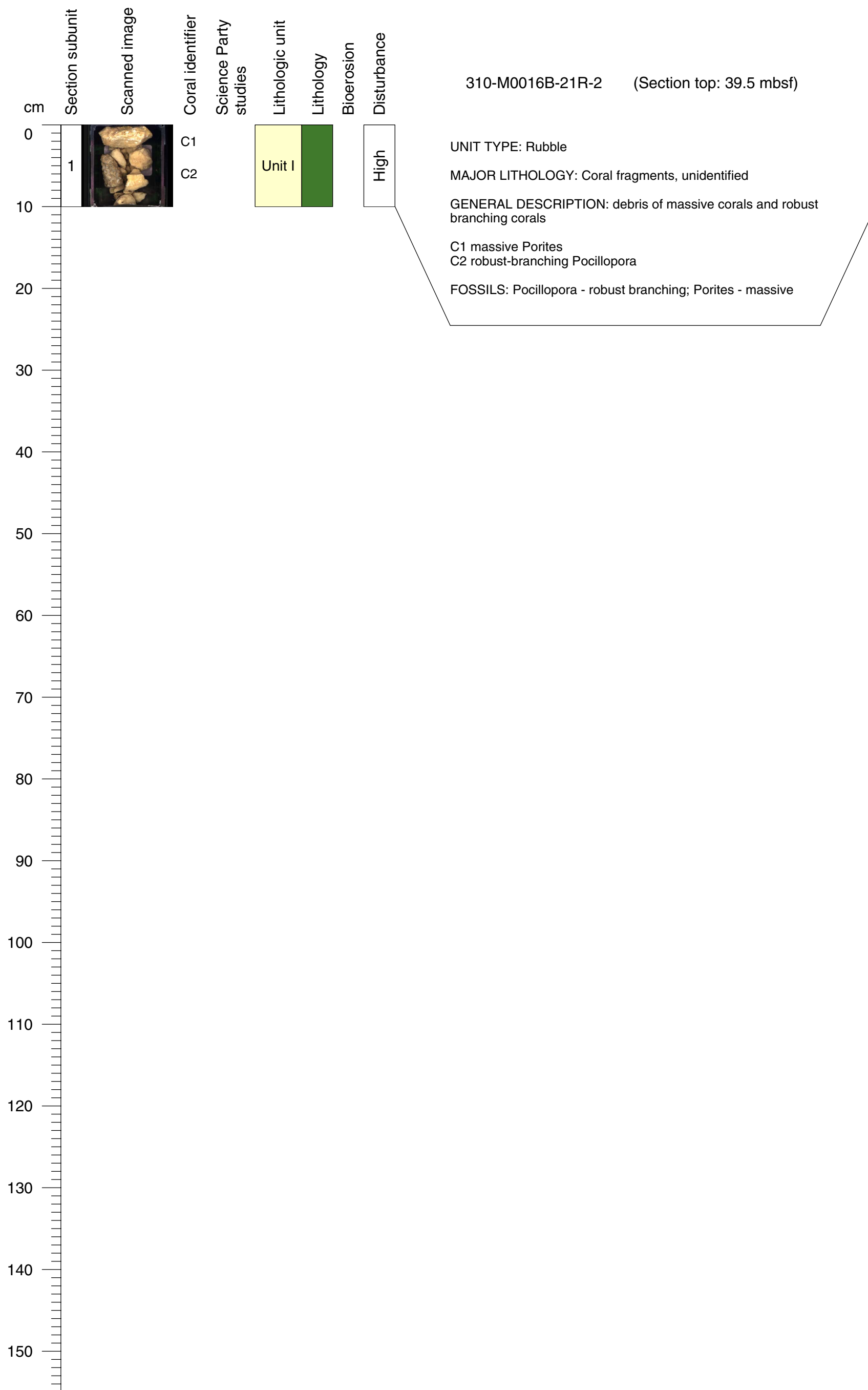


Core Photo

310-M0016B-21R-1 (Section top: 38.95 mbsf)

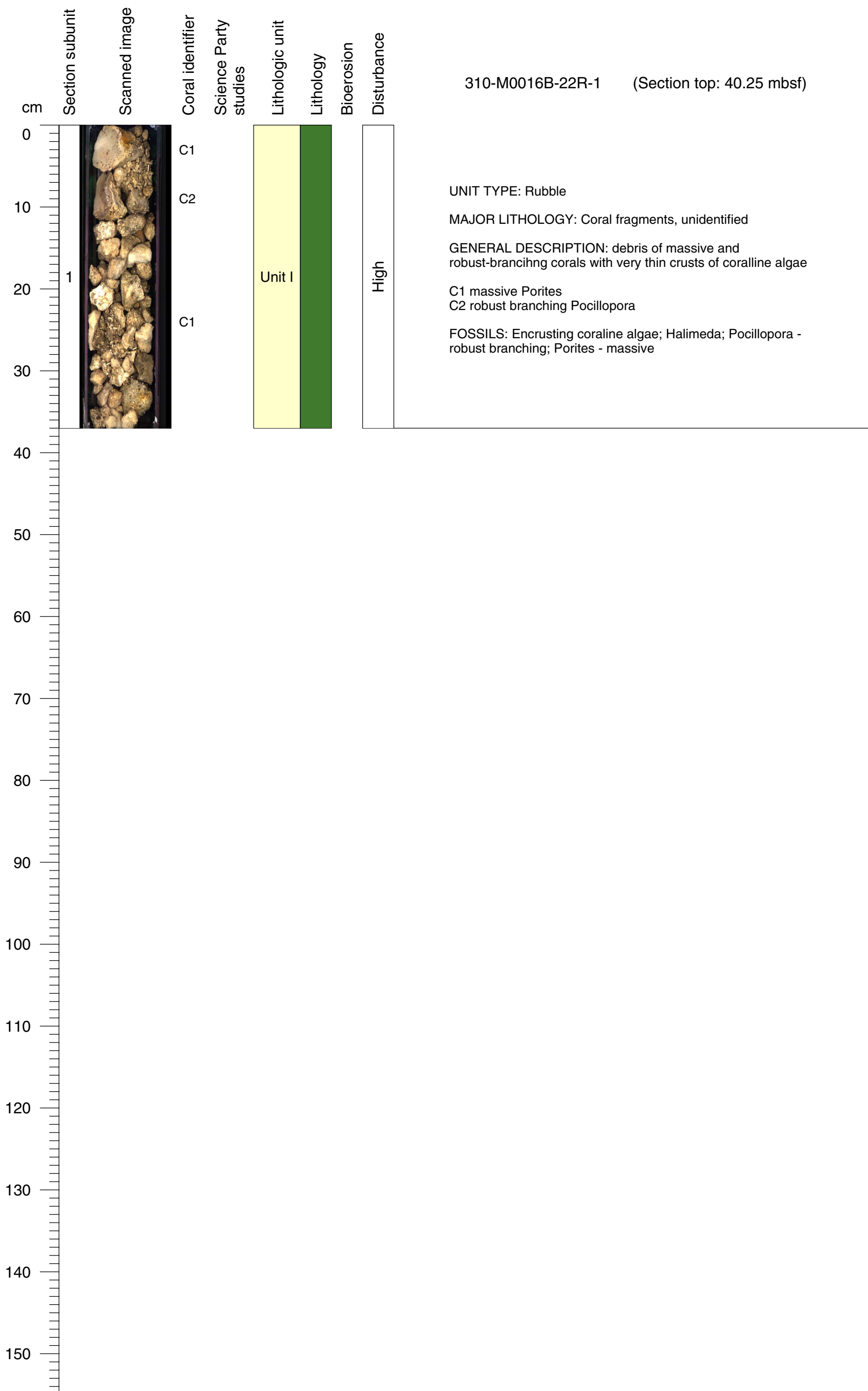


Core Photo

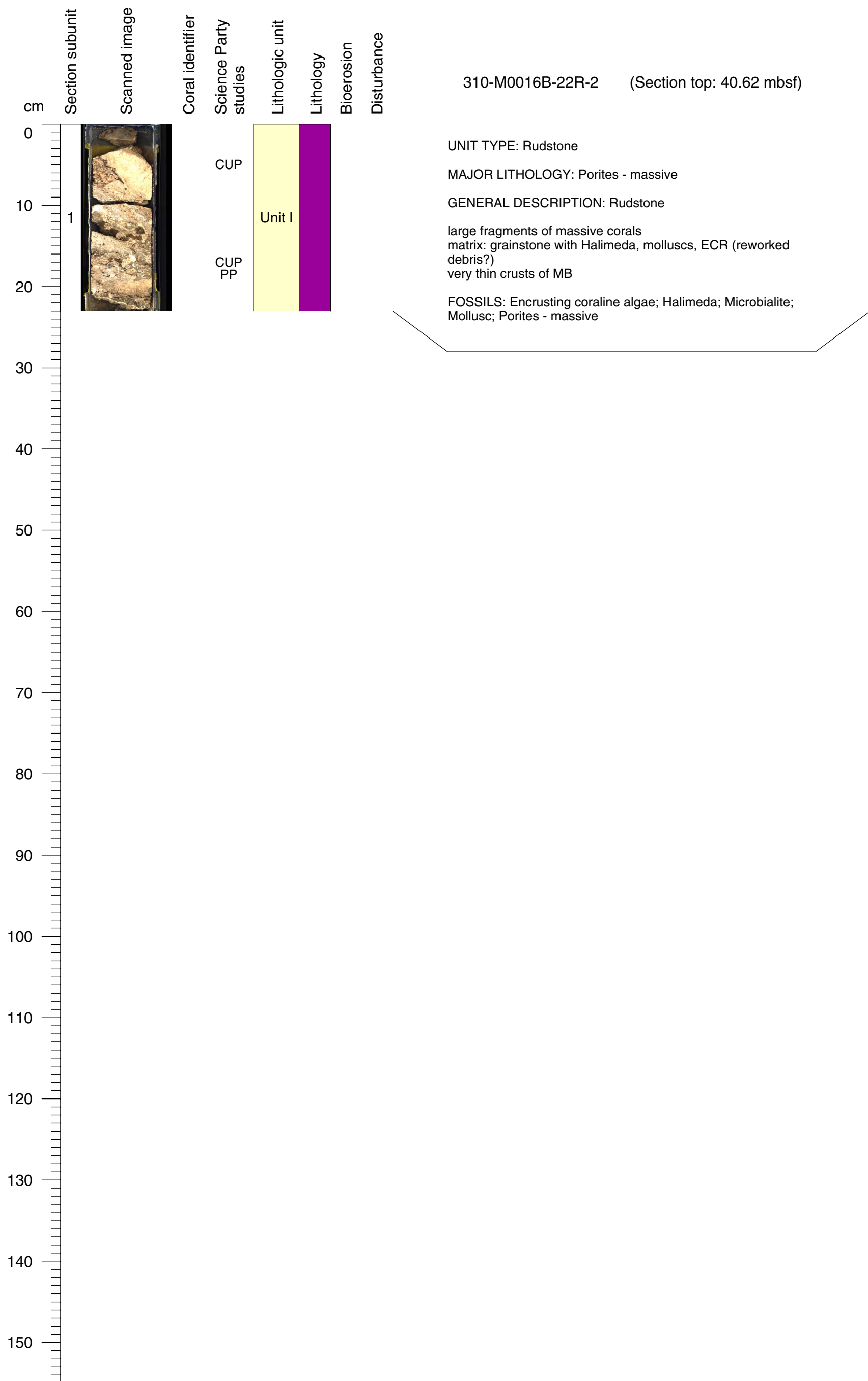


**Core Photo**

310-M0016B-22R-1 (Section top: 40.25 mbsf)

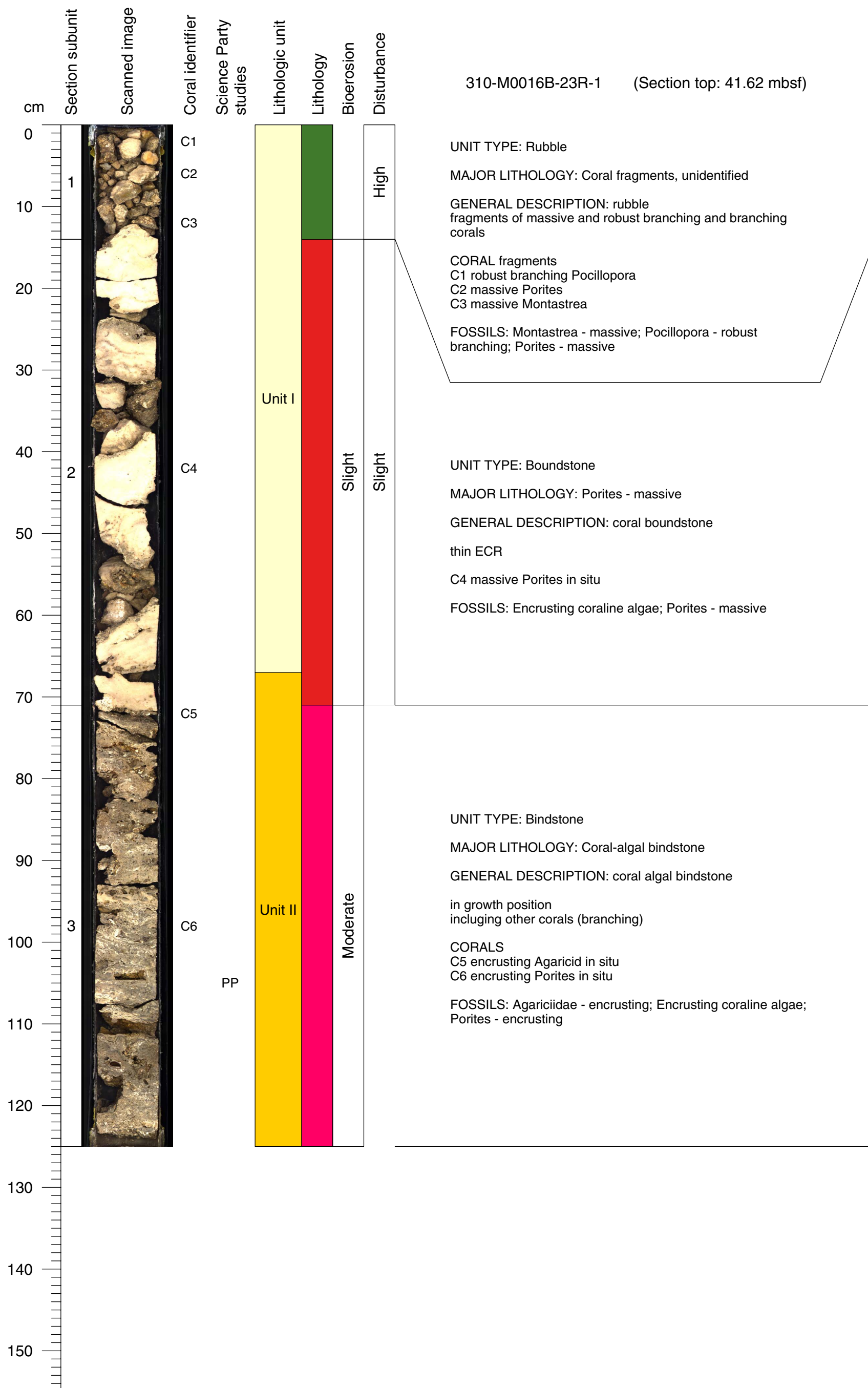


**Core Photo**



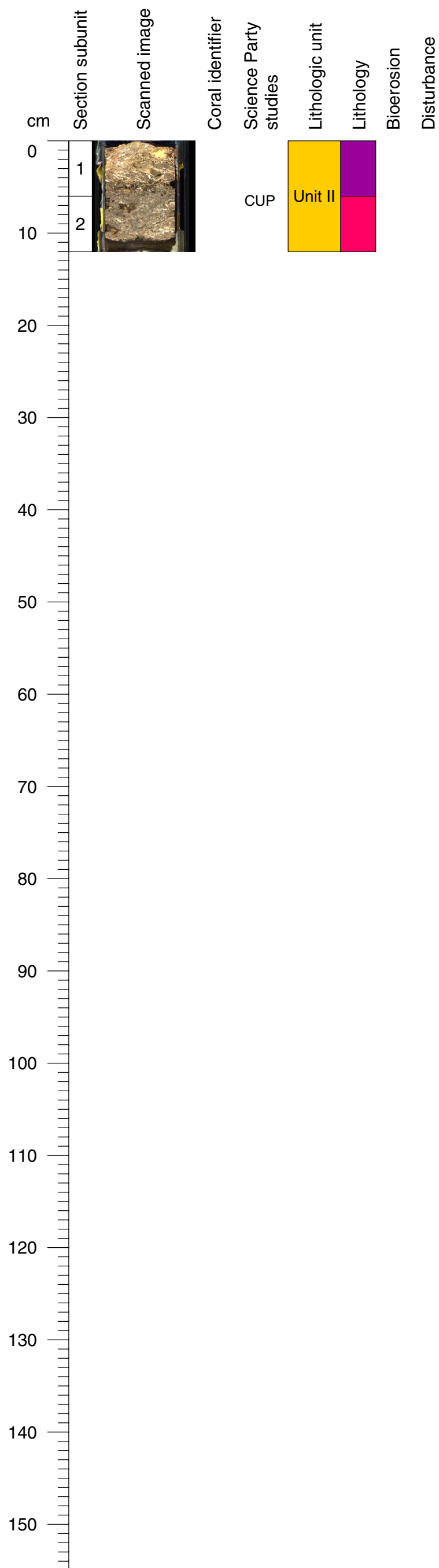
Core Photo

310-M0016B-23R-1 (Section top: 41.62 mbsf)





**Core Photo**



310-M0016B-23R-2 (Section top: 42.87 mbsf)

UNIT TYPE: Rudstone

MAJOR LITHOLOGY: Sand

GENERAL DESCRIPTION: NOTE core upside down, description in stratigraphically correct order

Rudstone

FOSSILS: Encrusting coraline algae; Halimeda; Rhodolith

UNIT TYPE: Bindstone

MAJOR LITHOLOGY: Coral-algal bindstone

GENERAL DESCRIPTION: coral-algal bindstone

Corals

C1 encrusting Porites in situ

NOTE upside down! here in true order

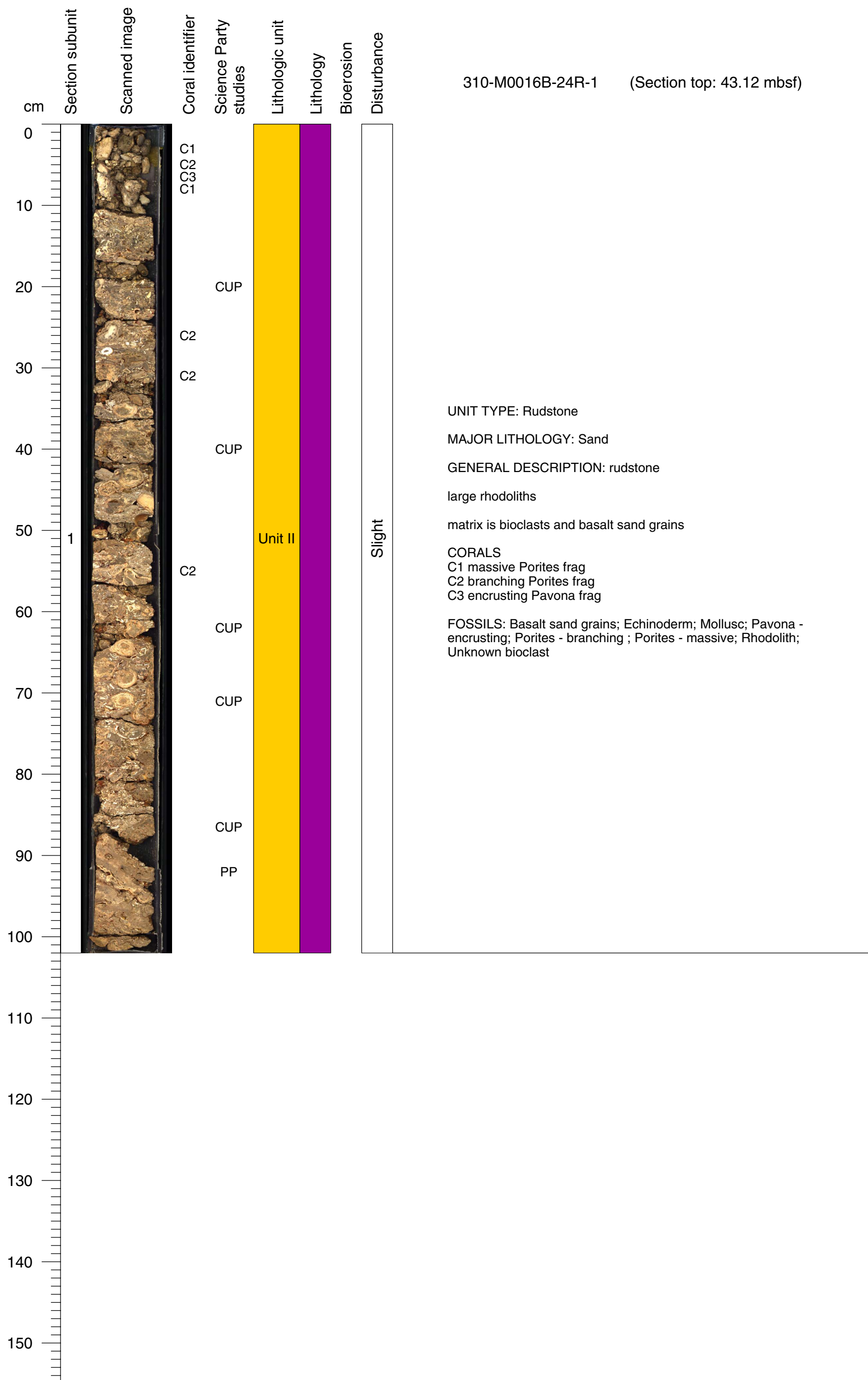
FOSSILS: Coral-algal bindstone; Encrusting coraline algae

CUP

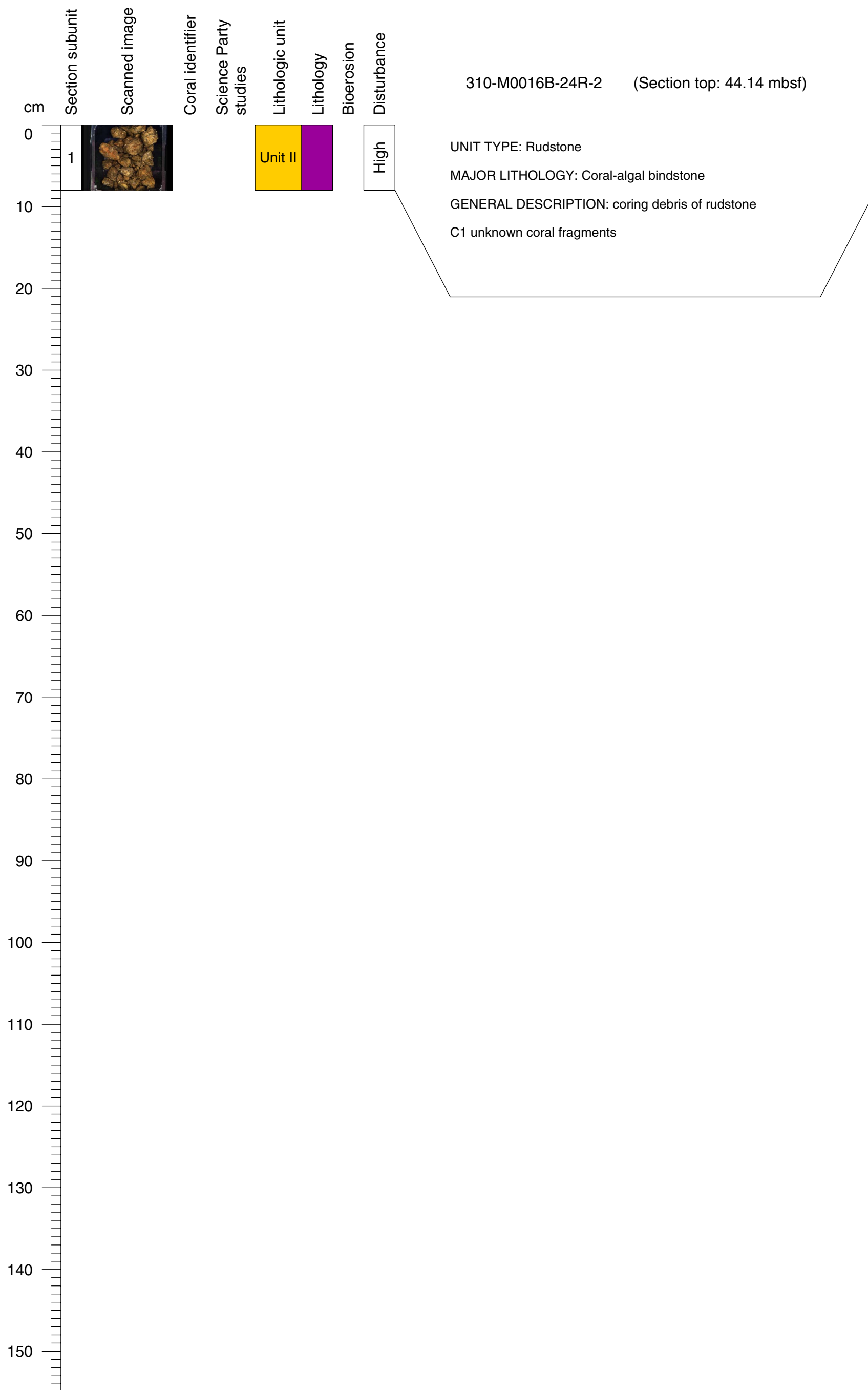


Core Photo

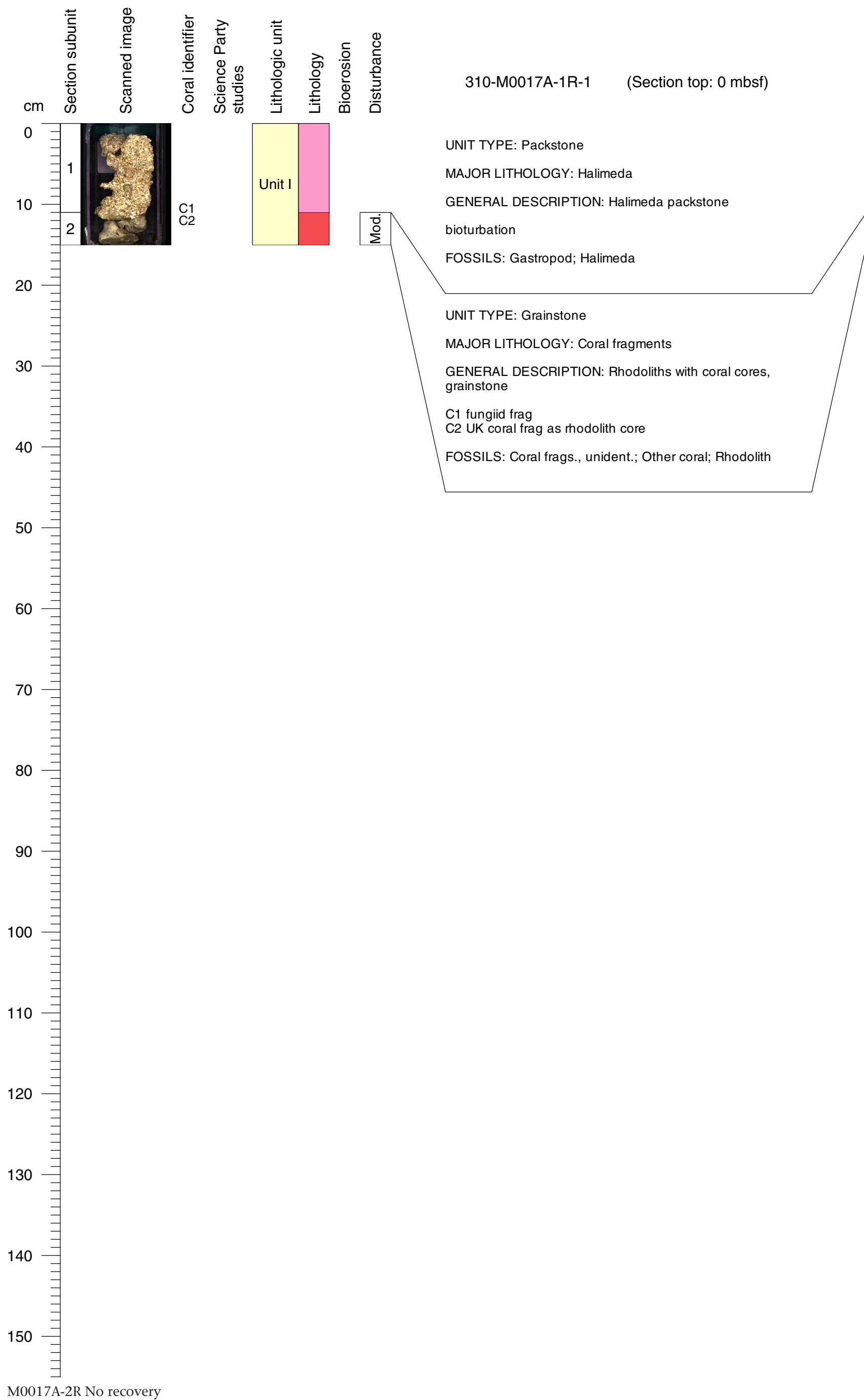
310-M0016B-24R-1 (Section top: 43.12 mbsf)



**Core Photo**

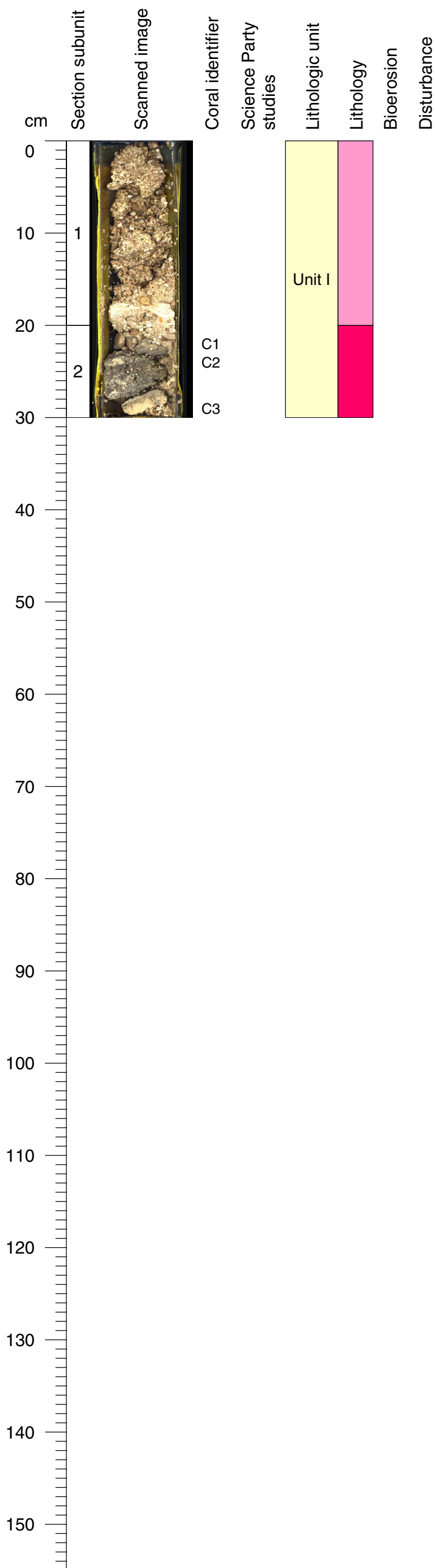


Core Photo



Core Photo

310-M0017A-3R-1 (Section top: 3 mbsf)



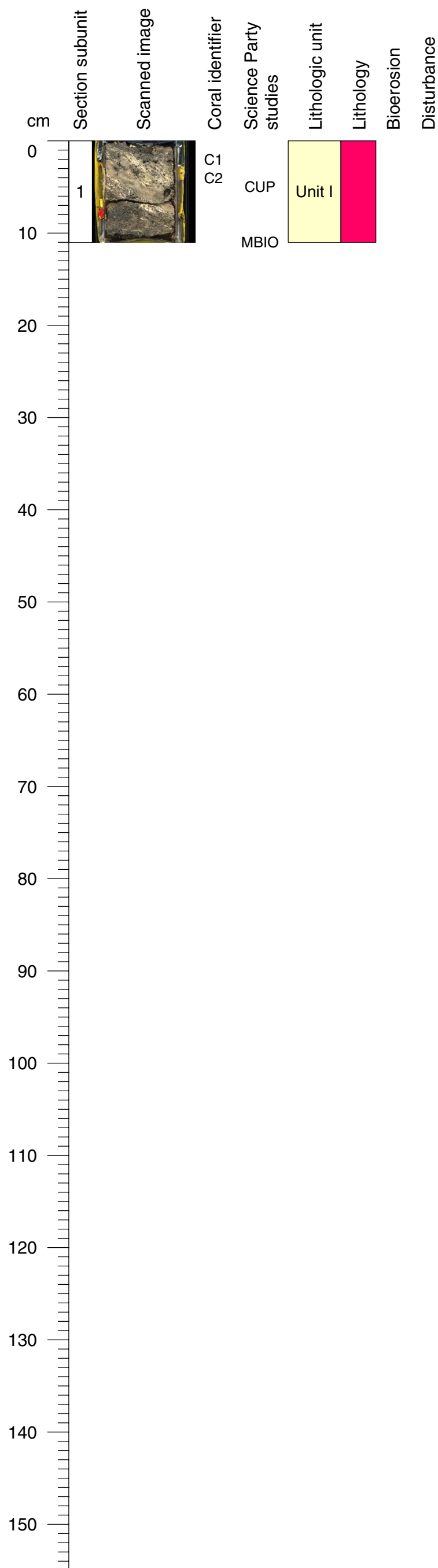
UNIT TYPE: Packstone  
 MAJOR LITHOLOGY: Halimeda  
 GENERAL DESCRIPTION: Halimeda packstone  
 homotrema  
 FOSSILS: Foram; Halimeda

UNIT TYPE: Bindstone  
 MAJOR LITHOLOGY: Coral-algal bindstone  
 GENERAL DESCRIPTION: coral-algal bindstone  
 grey color  
 boring bivalves  
 C1 encr Porites  
 C2 encr UK IS  
 C3 encr Montipora IS  
 FOSSILS: Bivalve; Coral-algal bindstone; Encrusting coralline algae; Encrusting, unident.; Montipora - encrusting; Porites - encrusting



Core Photo

310-M0017A-3R-2 (Section top: 3.3 mbsf)

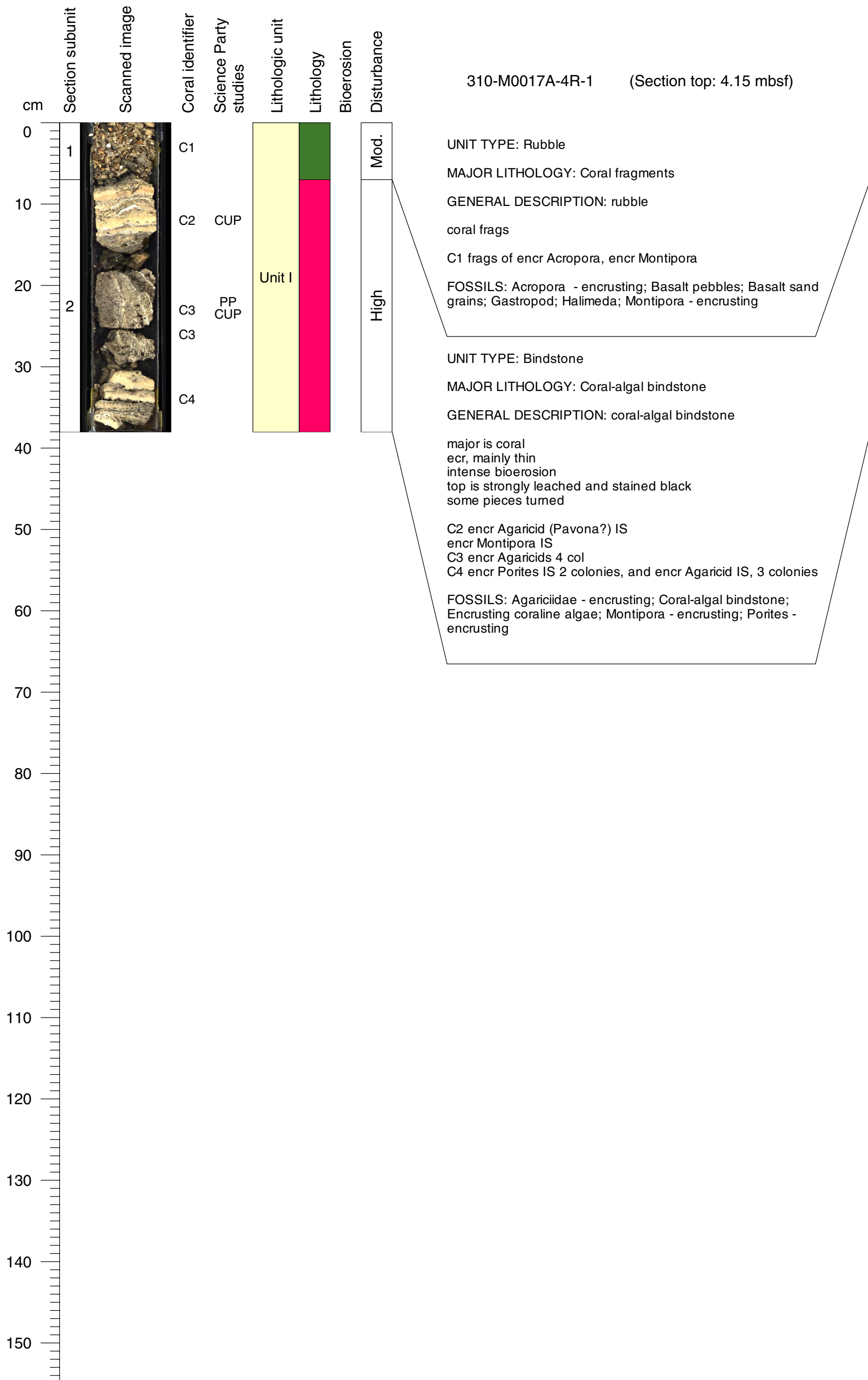


UNIT TYPE: Bindstone  
 MAJOR LITHOLOGY: Coral-algal bindstone  
 GENERAL DESCRIPTION: coral-algal bindstone  
 encr thin, multilayered  
 intense bioerosion  
 C1 encr Montipora IS  
 C2 encr Porites IS  
 FOSSILS: Coral-algal bindstone; Montipora - encrusting;  
 Porites - encrusting



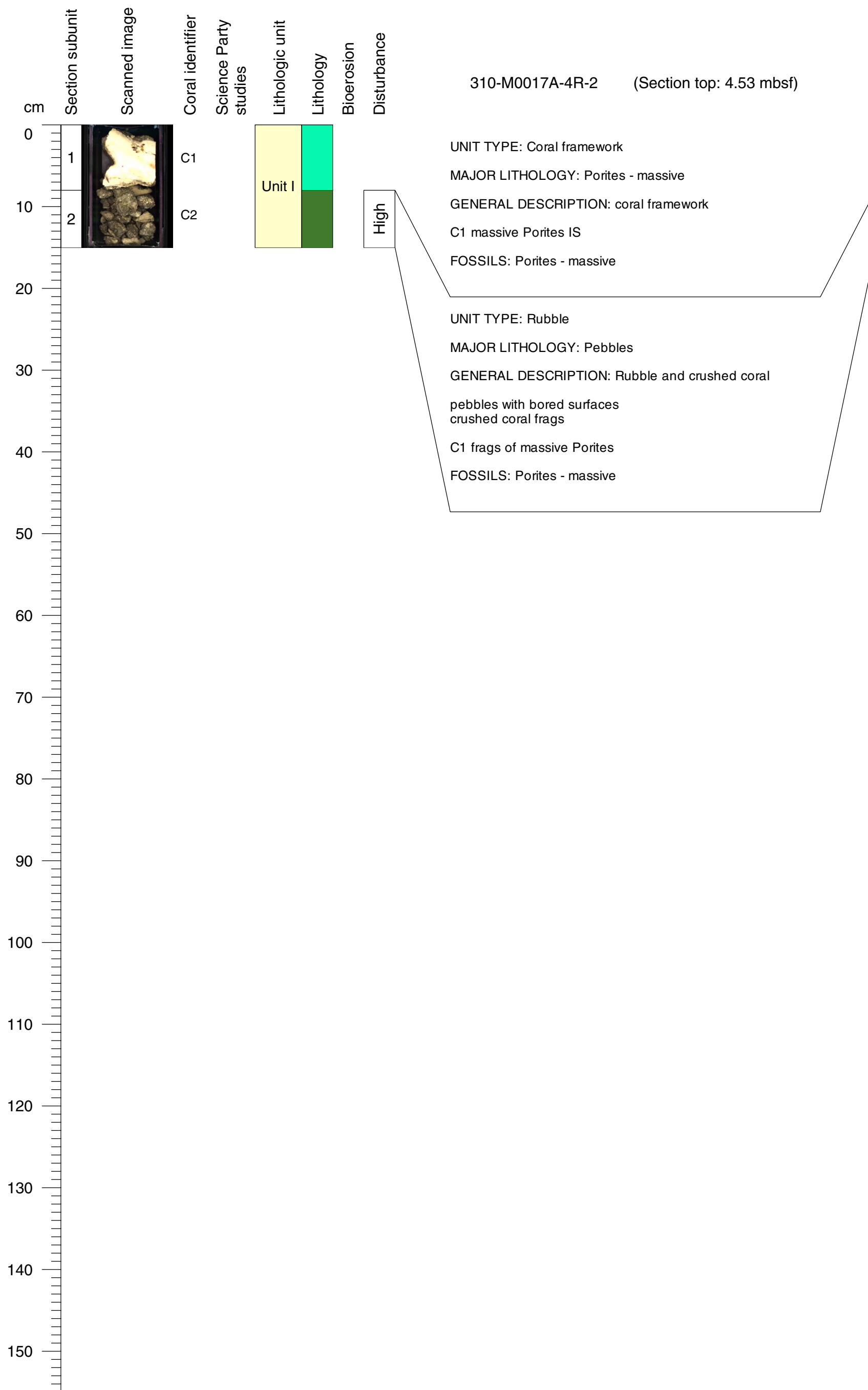
Core Photo

310-M0017A-4R-1 (Section top: 4.15 mbsf)



Core Photo

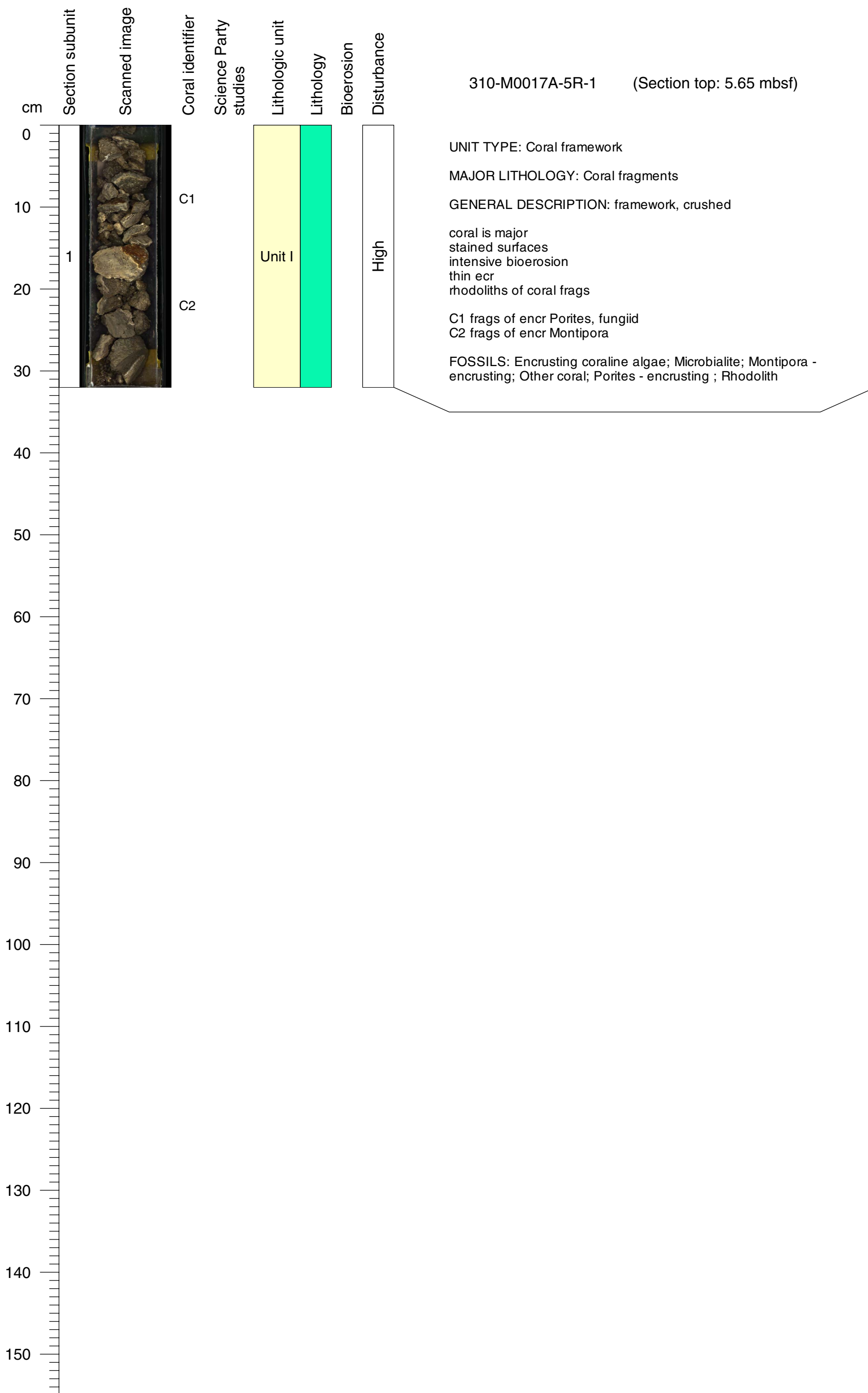
310-M0017A-4R-2 (Section top: 4.53 mbsf)



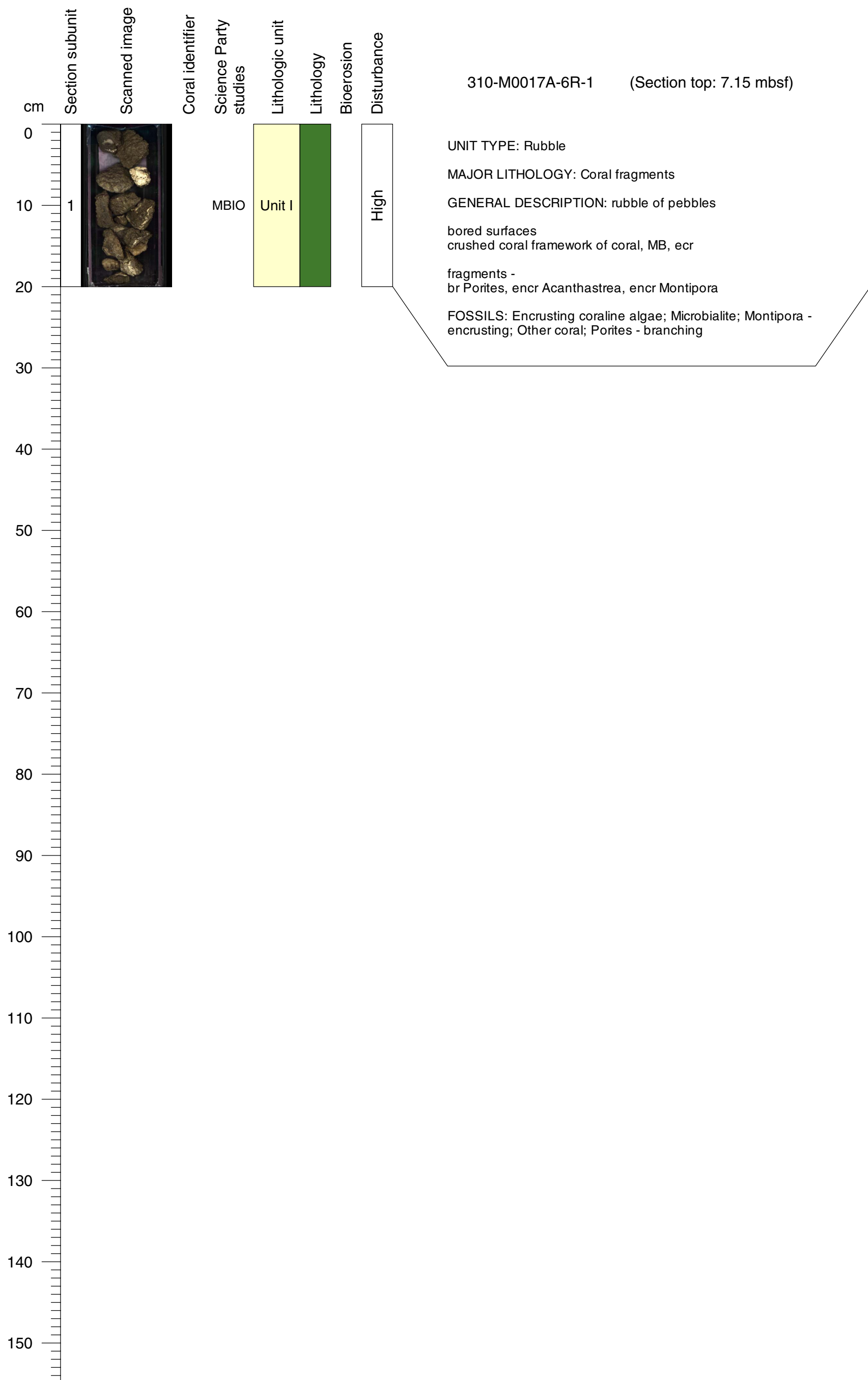


Core Photo

310-M0017A-5R-1 (Section top: 5.65 mbsf)

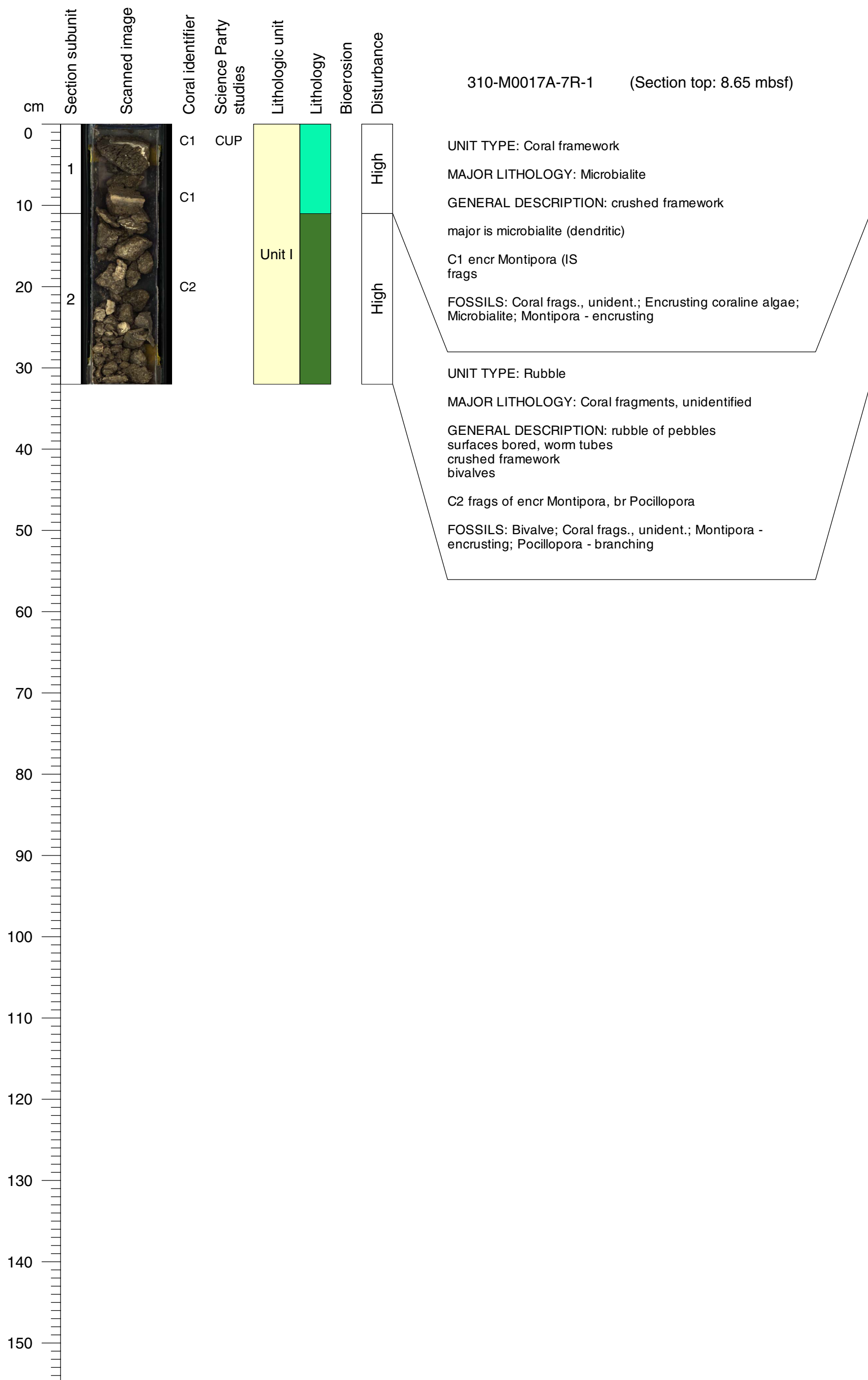


Core Photo

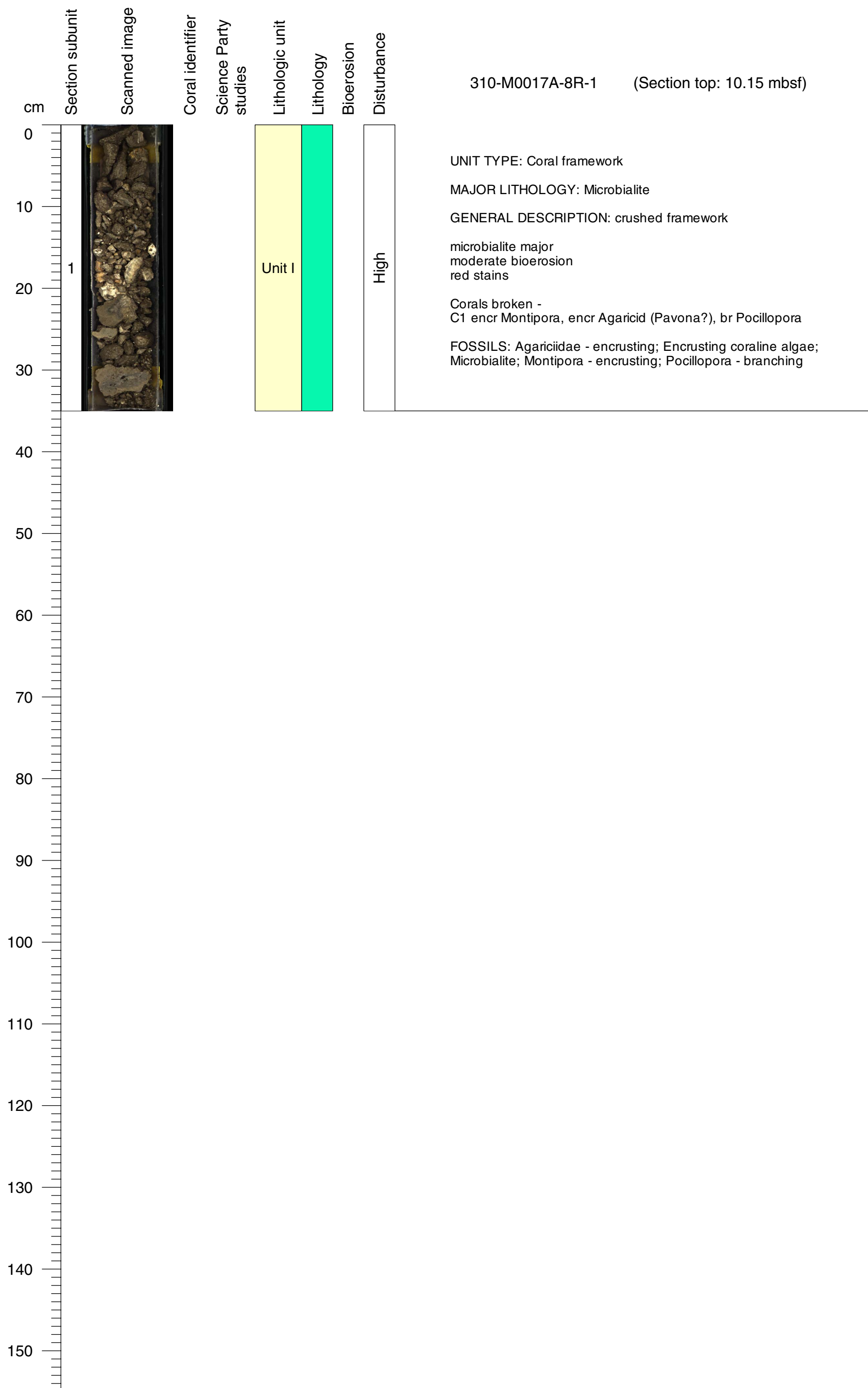


Core Photo

310-M0017A-7R-1 (Section top: 8.65 mbsf)

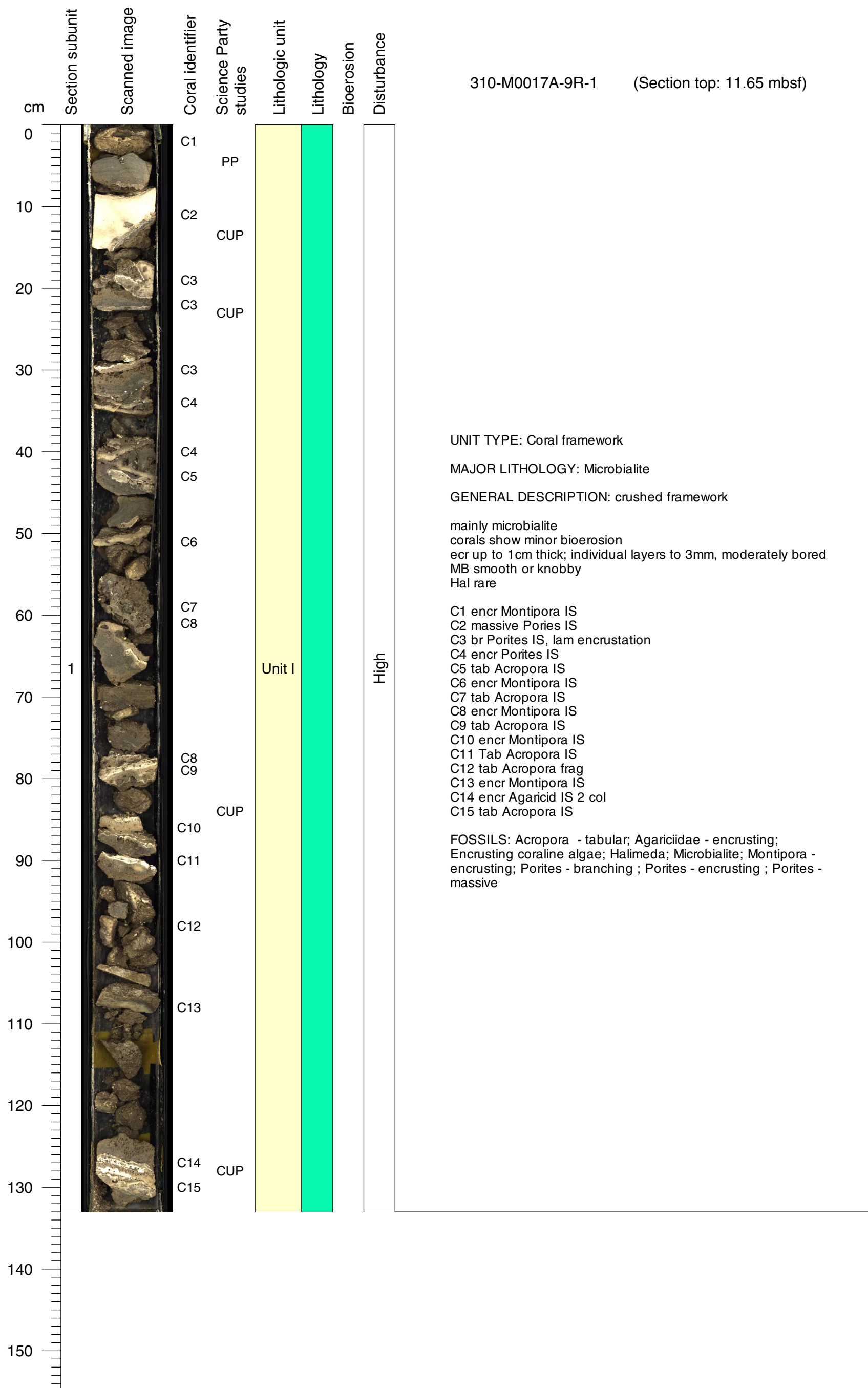


**Core Photo**



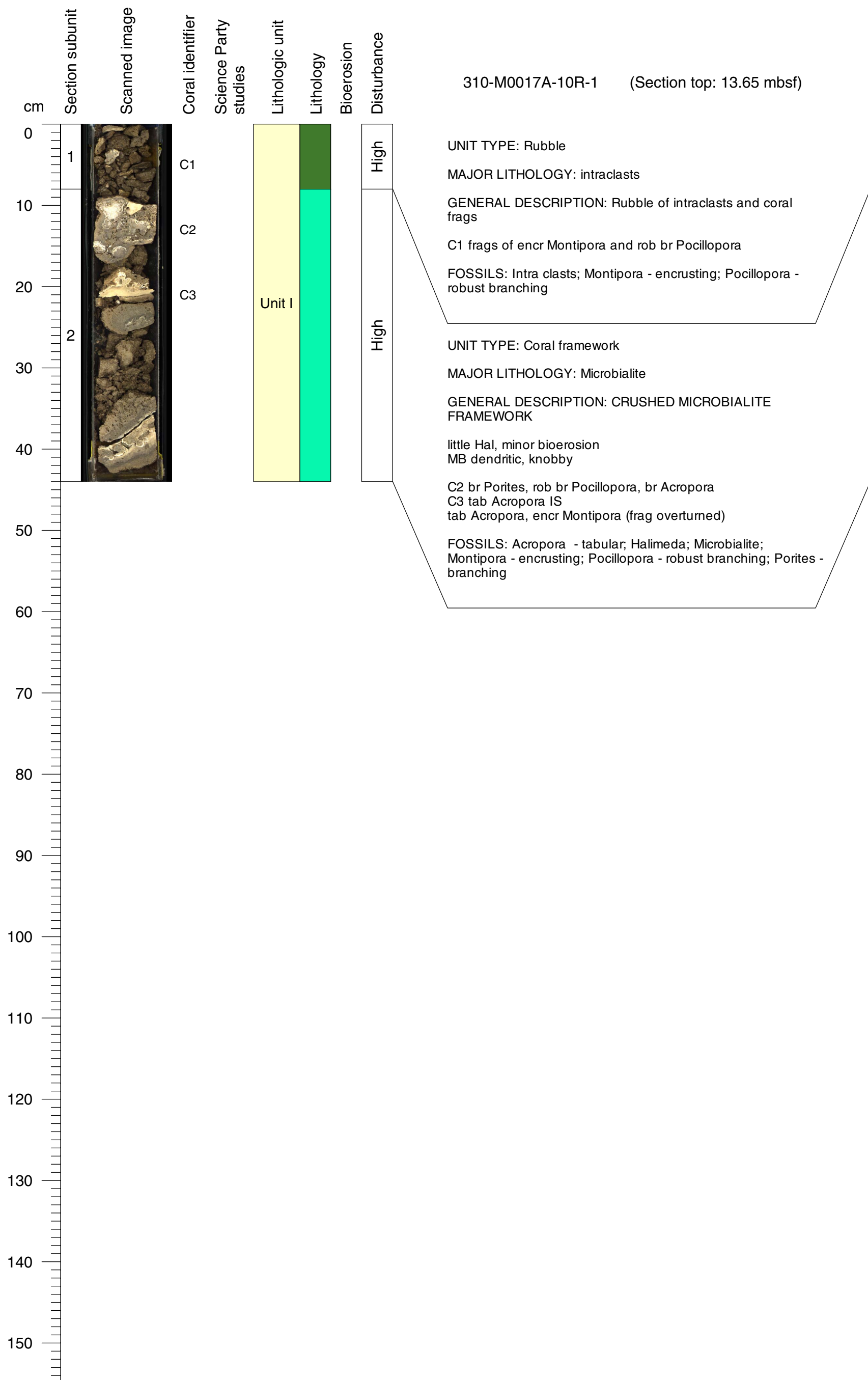
Core Photo

310-M0017A-9R-1 (Section top: 11.65 mbsf)



Core Photo

310-M0017A-10R-1 (Section top: 13.65 mbsf)



Core Photo

310-M0017A-10R-2 (Section top: 14.09 mbsf)

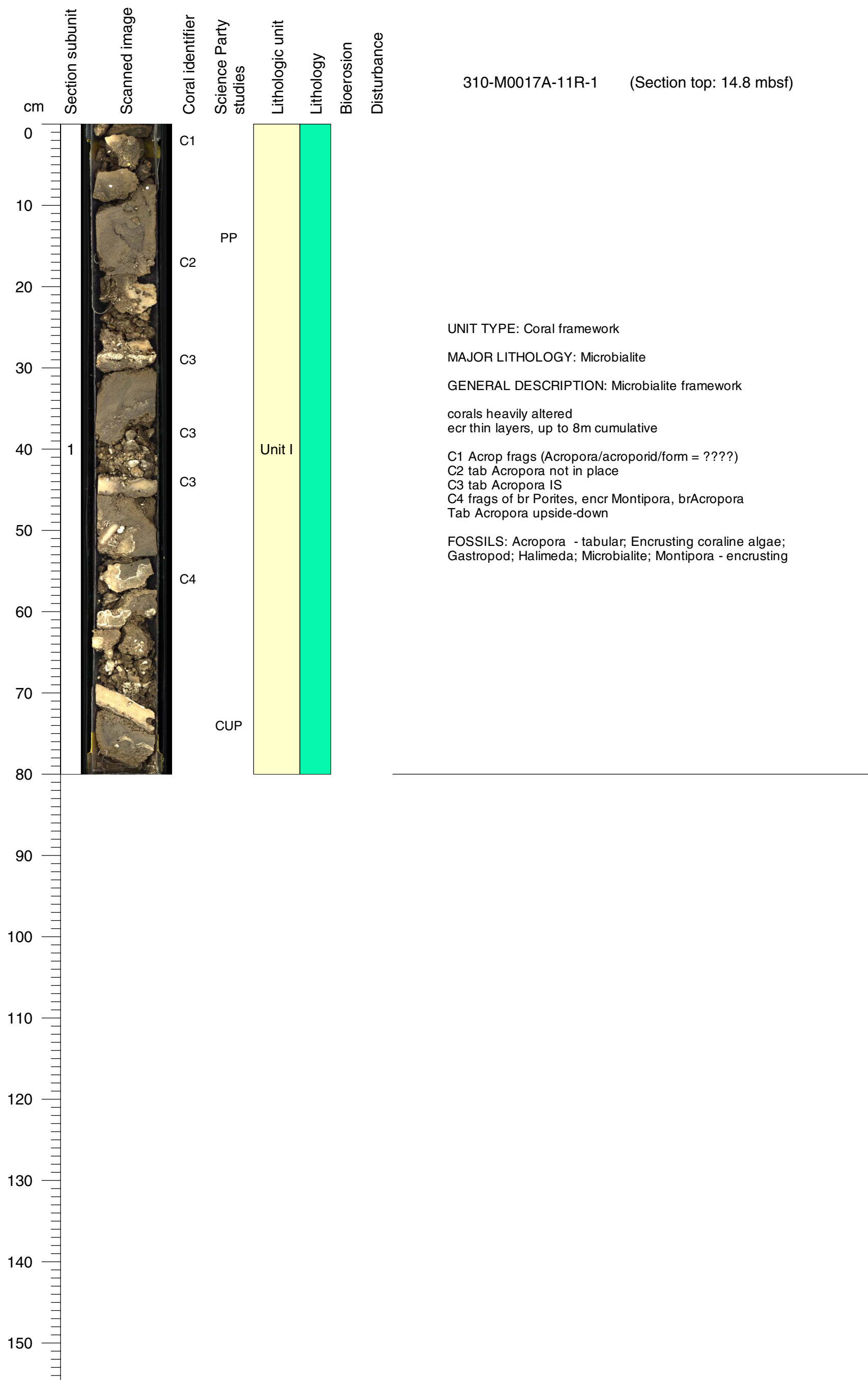
cm	Section subunit	Scanned image	Coral identifier	Science Party studies	Lithologic unit	Lithology	Bioerosion	Disturbance
0			C1	PP PP	Unit I			
10			C2	CUP				
20	1		C3					
30			C4					
40			C5					
45			C6					
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

UNIT TYPE: Coral framework  
 MAJOR LITHOLOGY: Microbialite  
 GENERAL DESCRIPTION: Microbialite framework  
 ecr to 1.2cm thick  
 coral indentations infilled by microbialite  
 heavy bioerosion  
 geopetals  
 primary open vugs  
 C1 tab Acropora frag  
 C2 tab Acropora IS  
 C3 frag of Acroporid  
 C4 encr Montipora IS  
 C5 leptastrea IS  
 C6 tab Acropora IS  
 FOSSILS: Acropora - tabular; Acroporidae - tabular; Encrusting coralline algae; Leptastrea - encrusting ; Microbialite; Montipora - encrusting



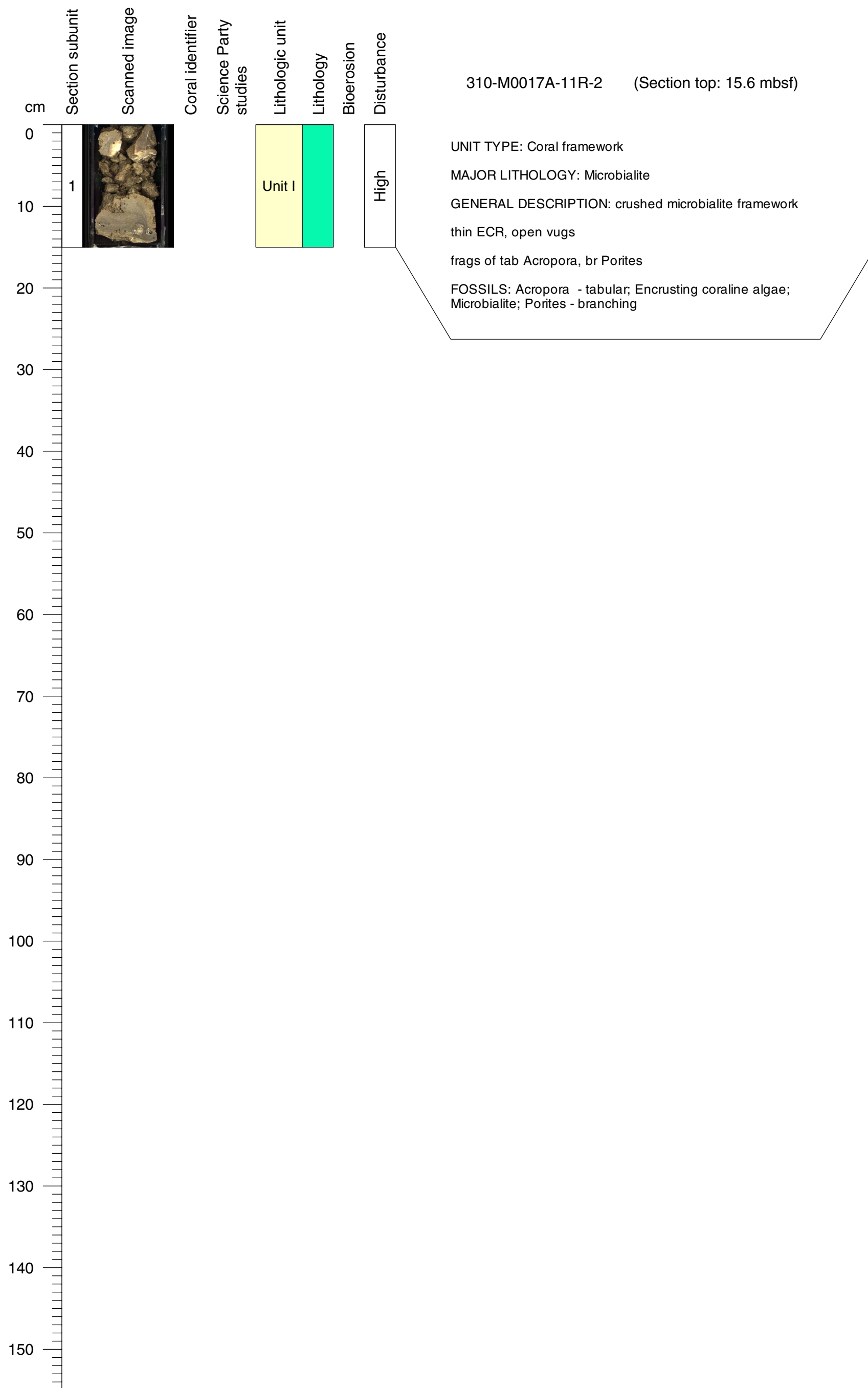
Core Photo

310-M0017A-11R-1 (Section top: 14.8 mbsf)



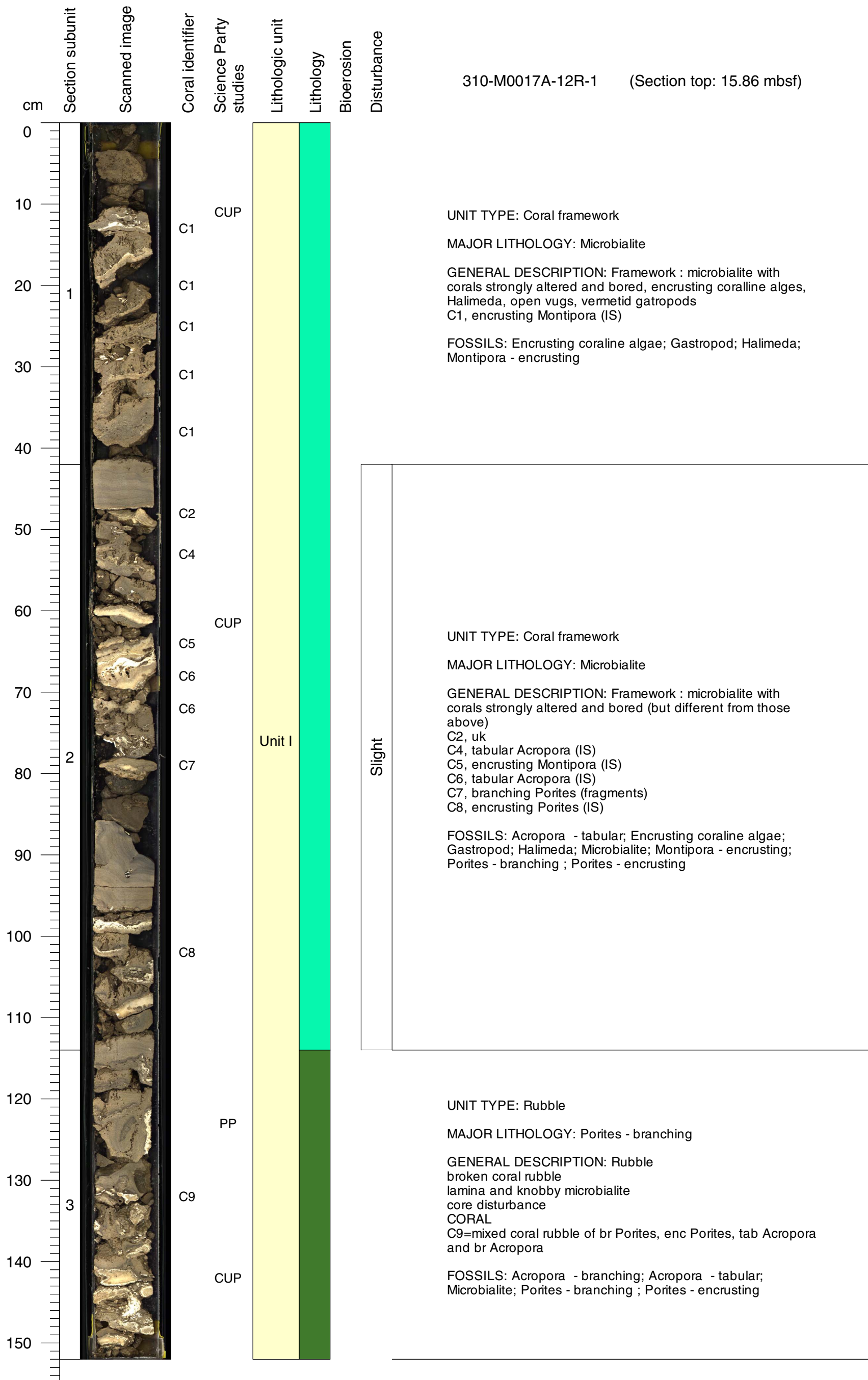


Core Photo



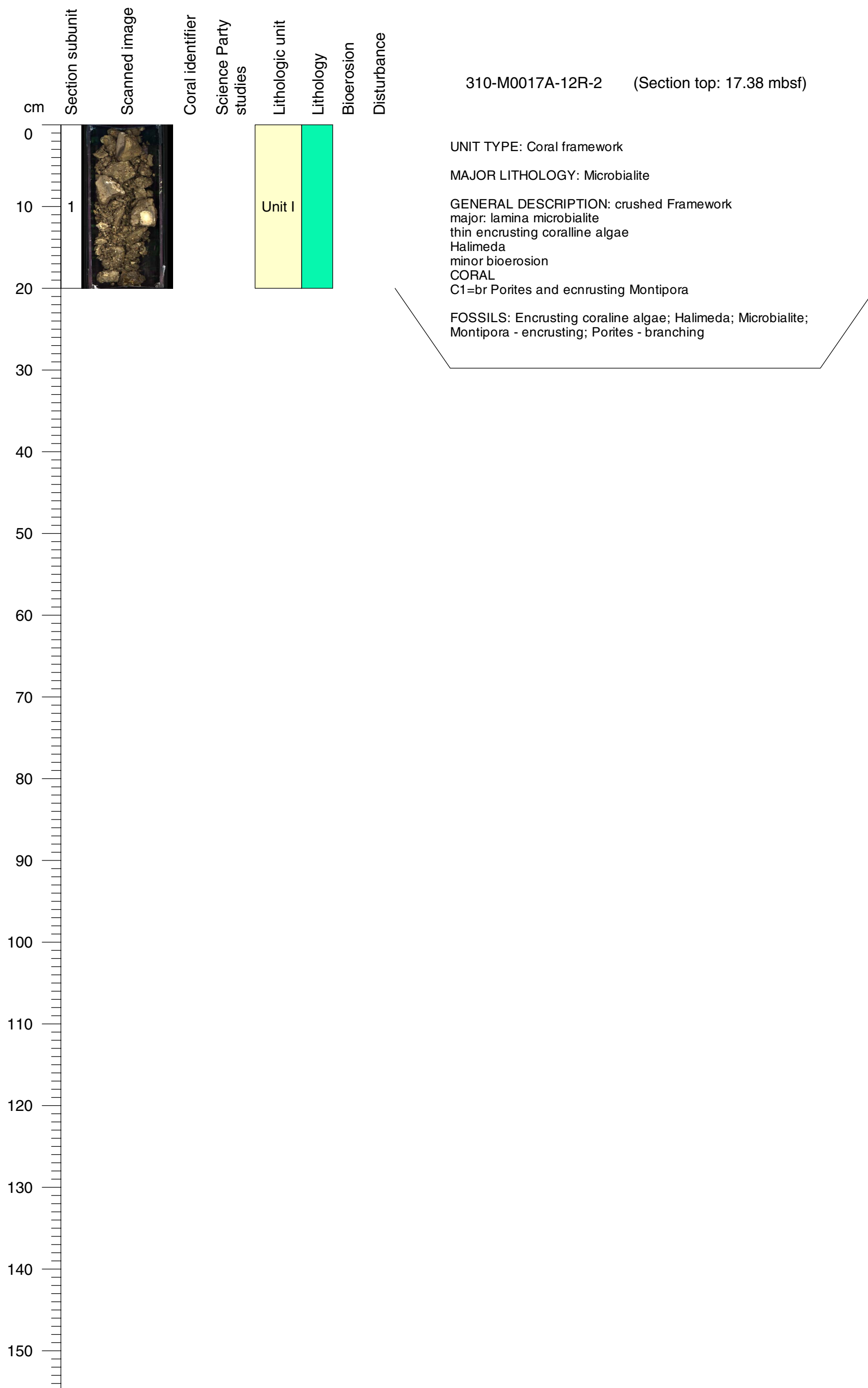
Core Photo

310-M0017A-12R-1 (Section top: 15.86 mbsf)



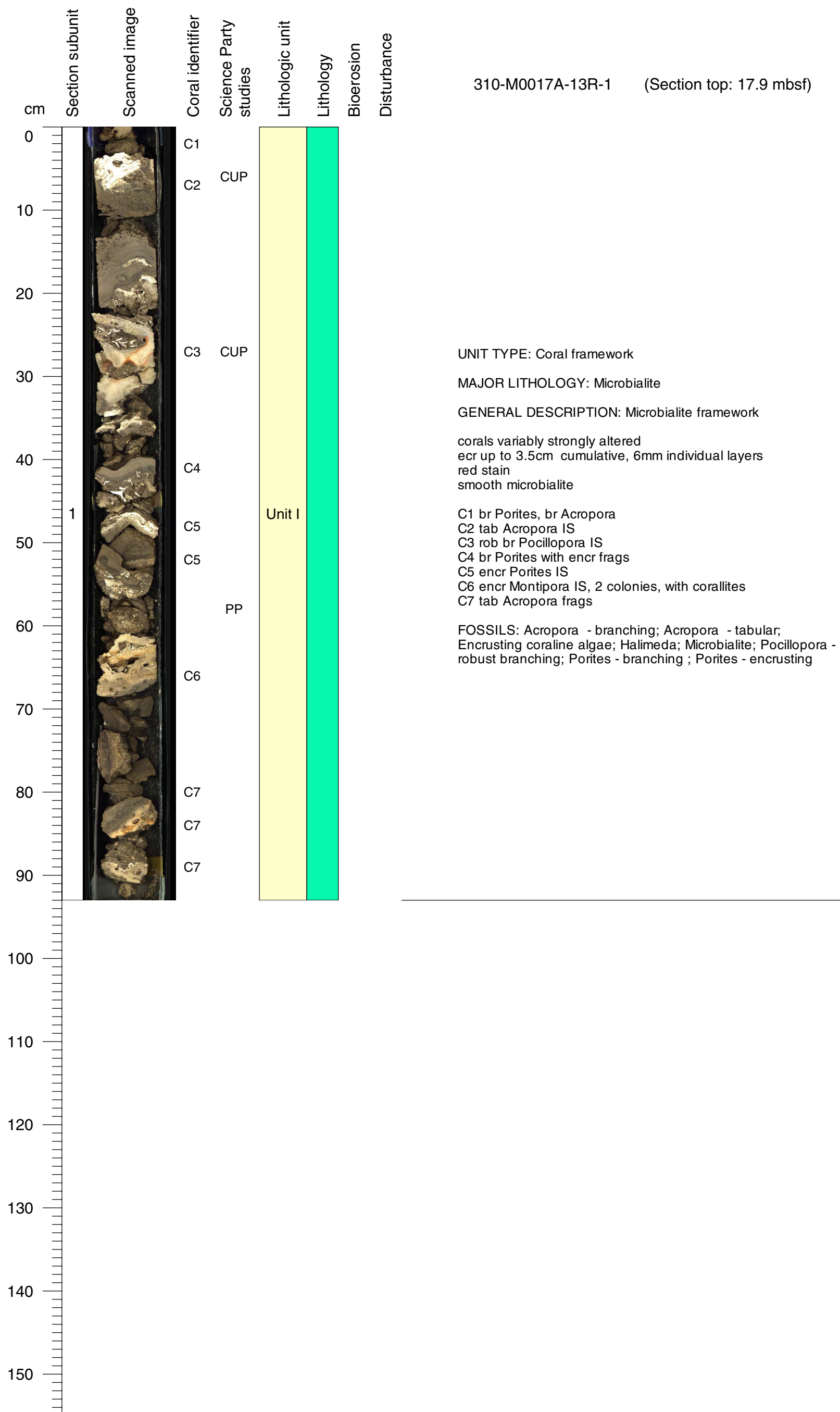
Slight

Core Photo



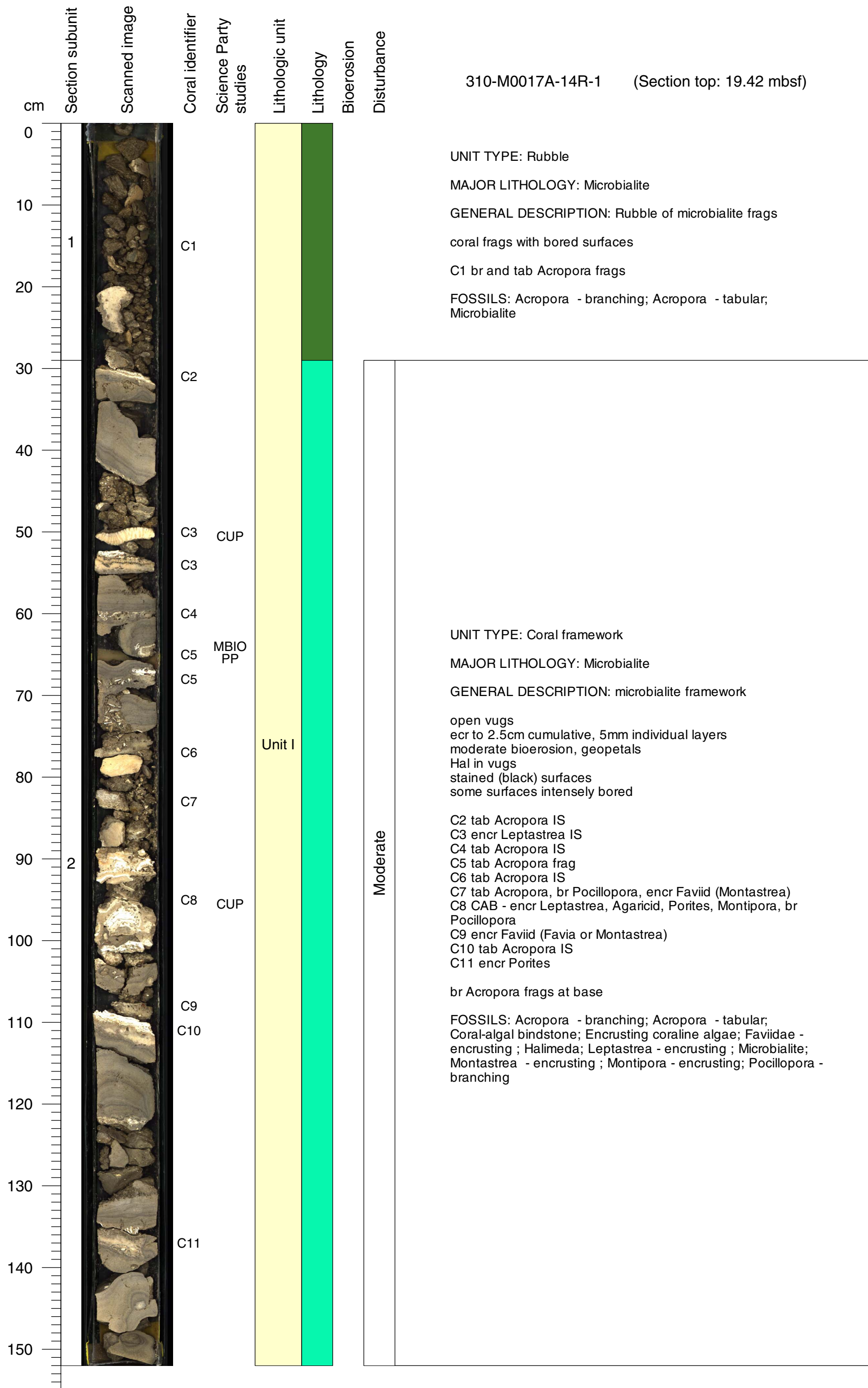
Core Photo

310-M0017A-13R-1 (Section top: 17.9 mbsf)



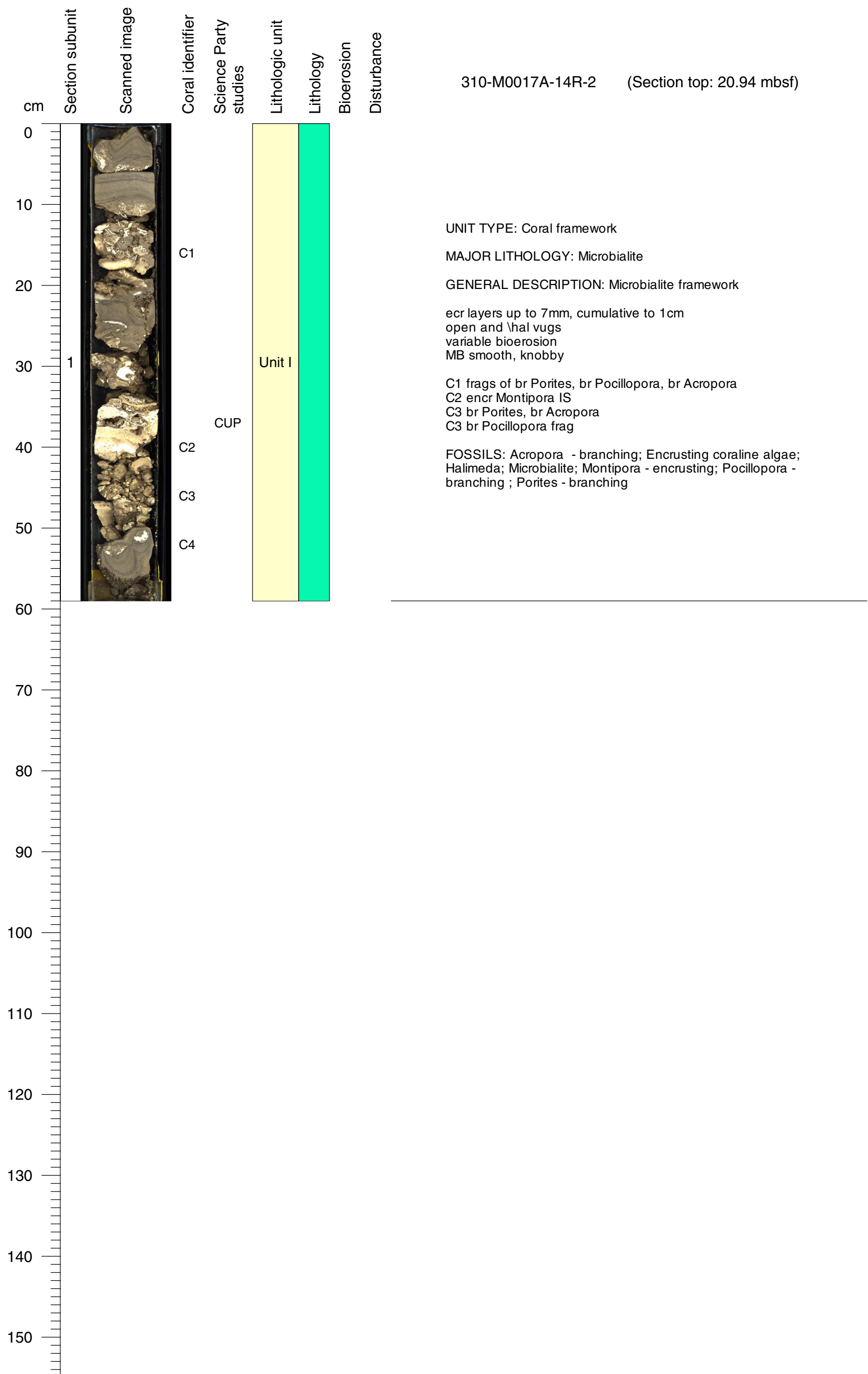
Core Photo

310-M0017A-14R-1 (Section top: 19.42 mbsf)



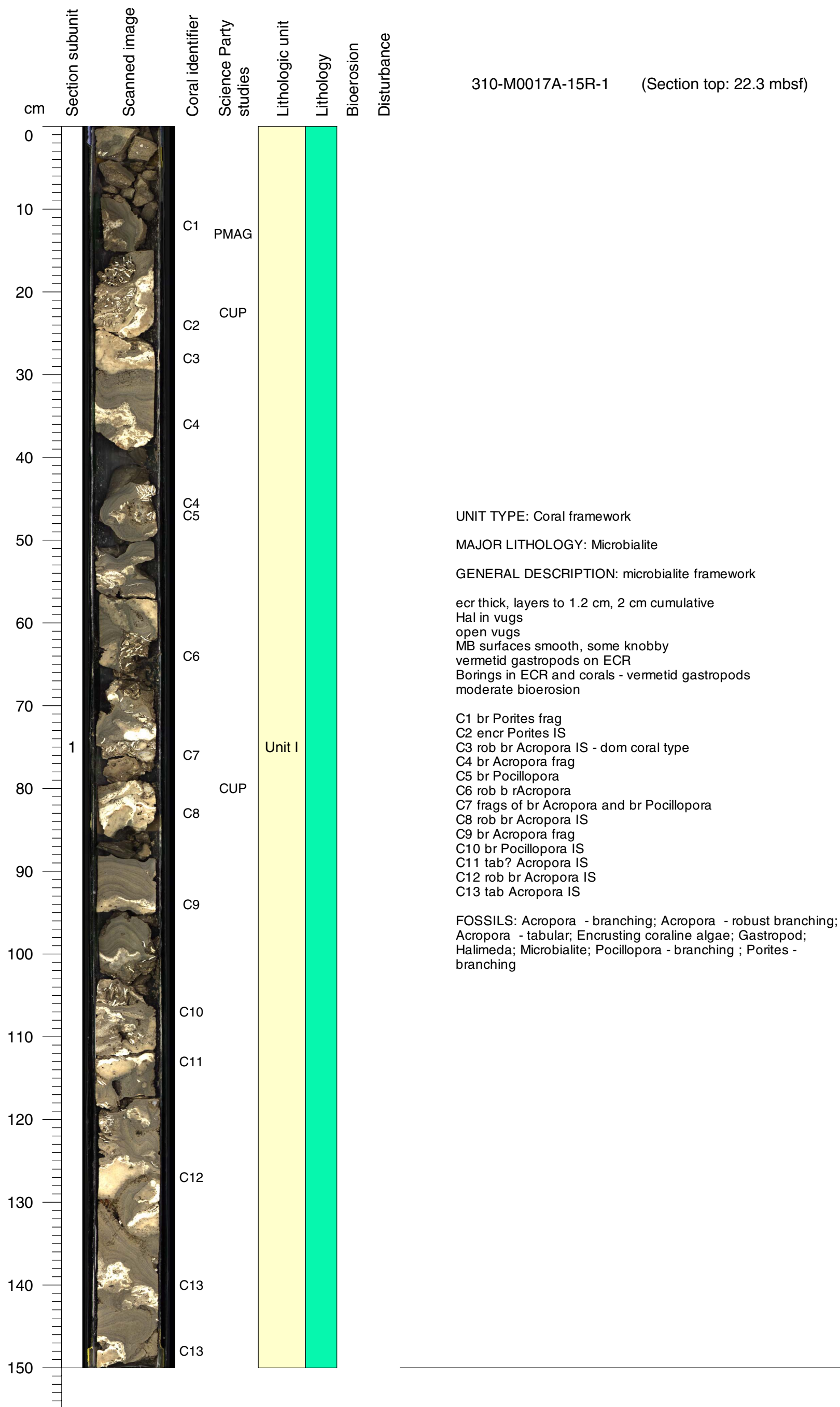
Core Photo

310-M0017A-14R-2 (Section top: 20.94 mbsf)

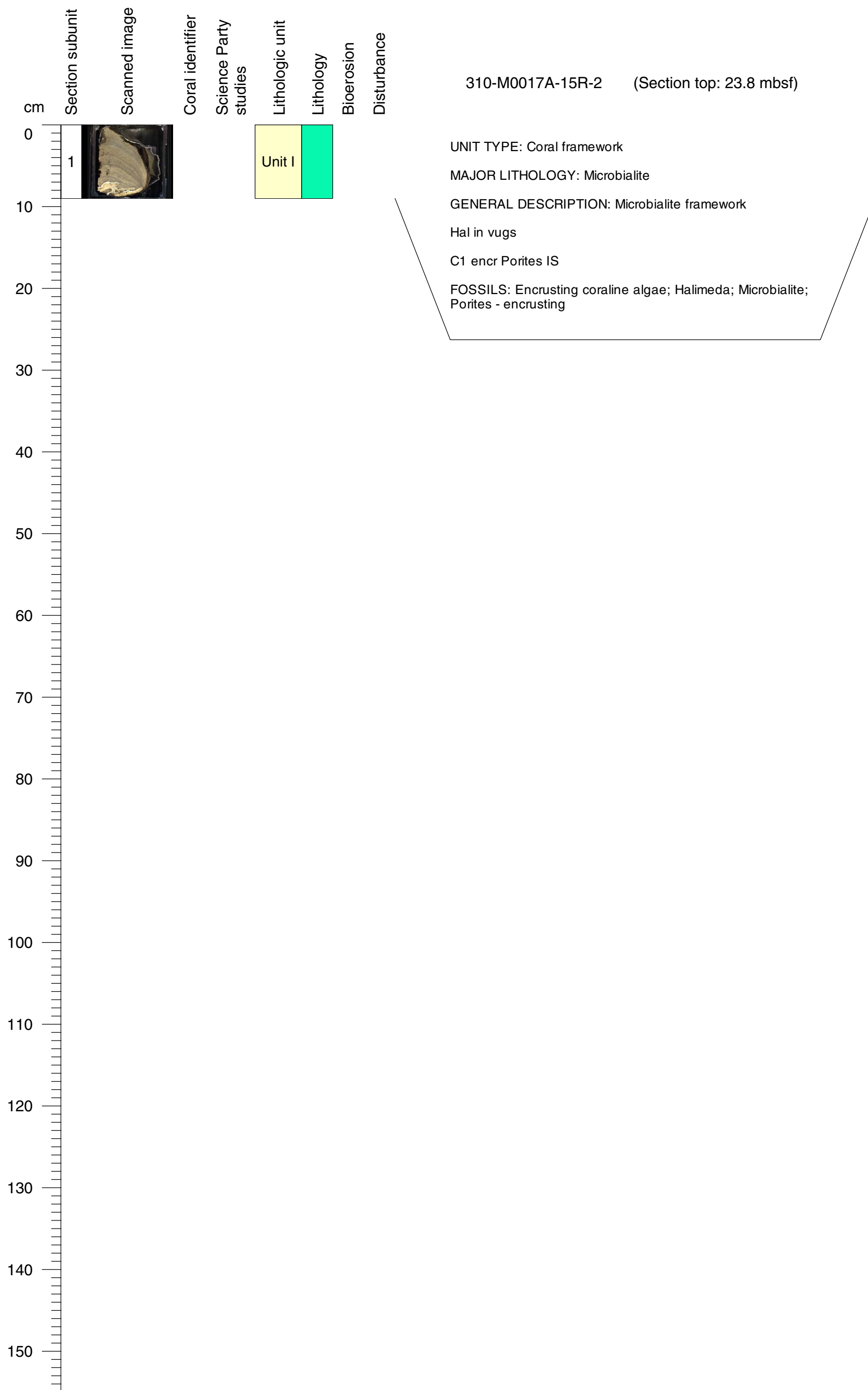


Core Photo

310-M0017A-15R-1 (Section top: 22.3 mbsf)



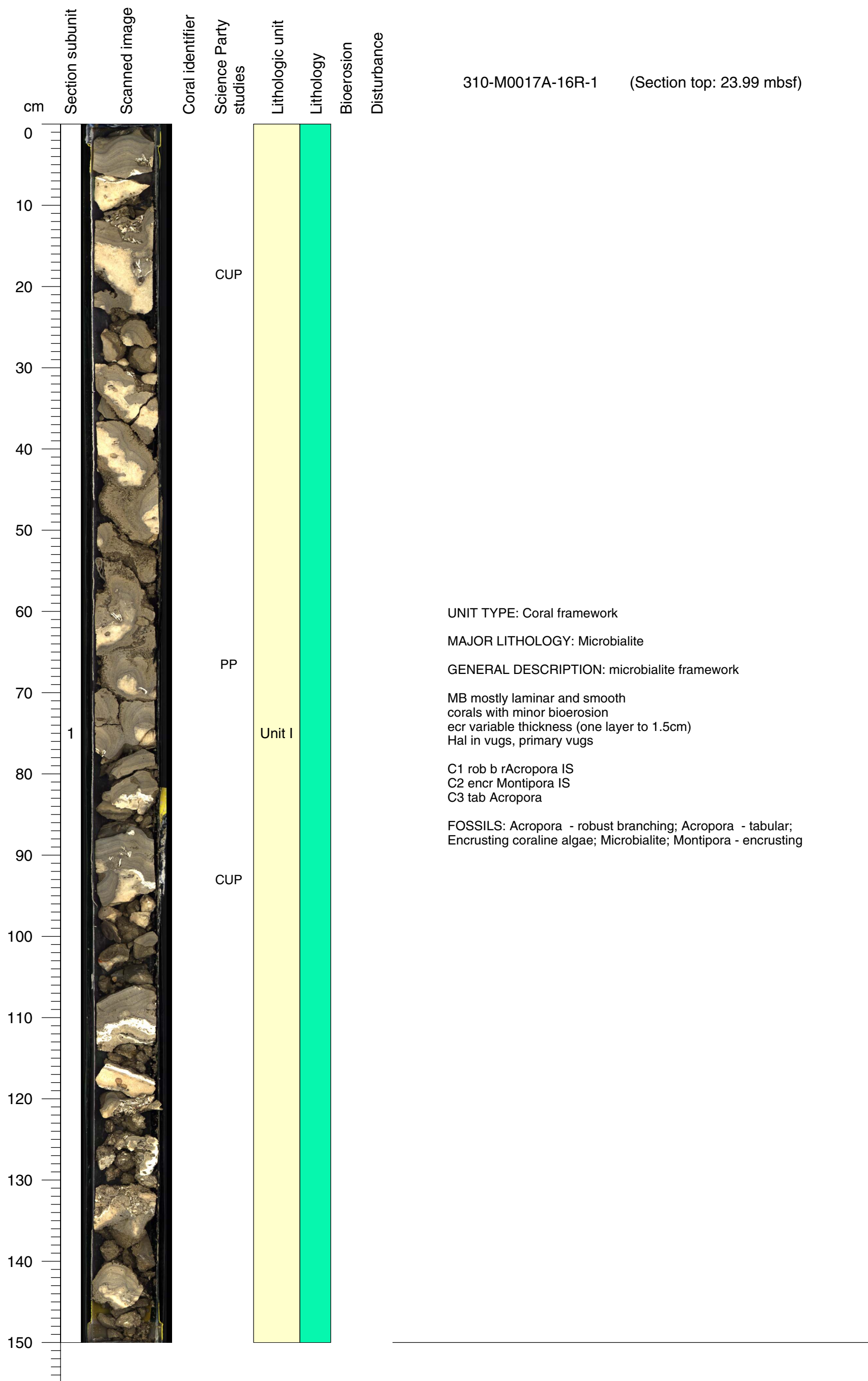
**Core Photo**





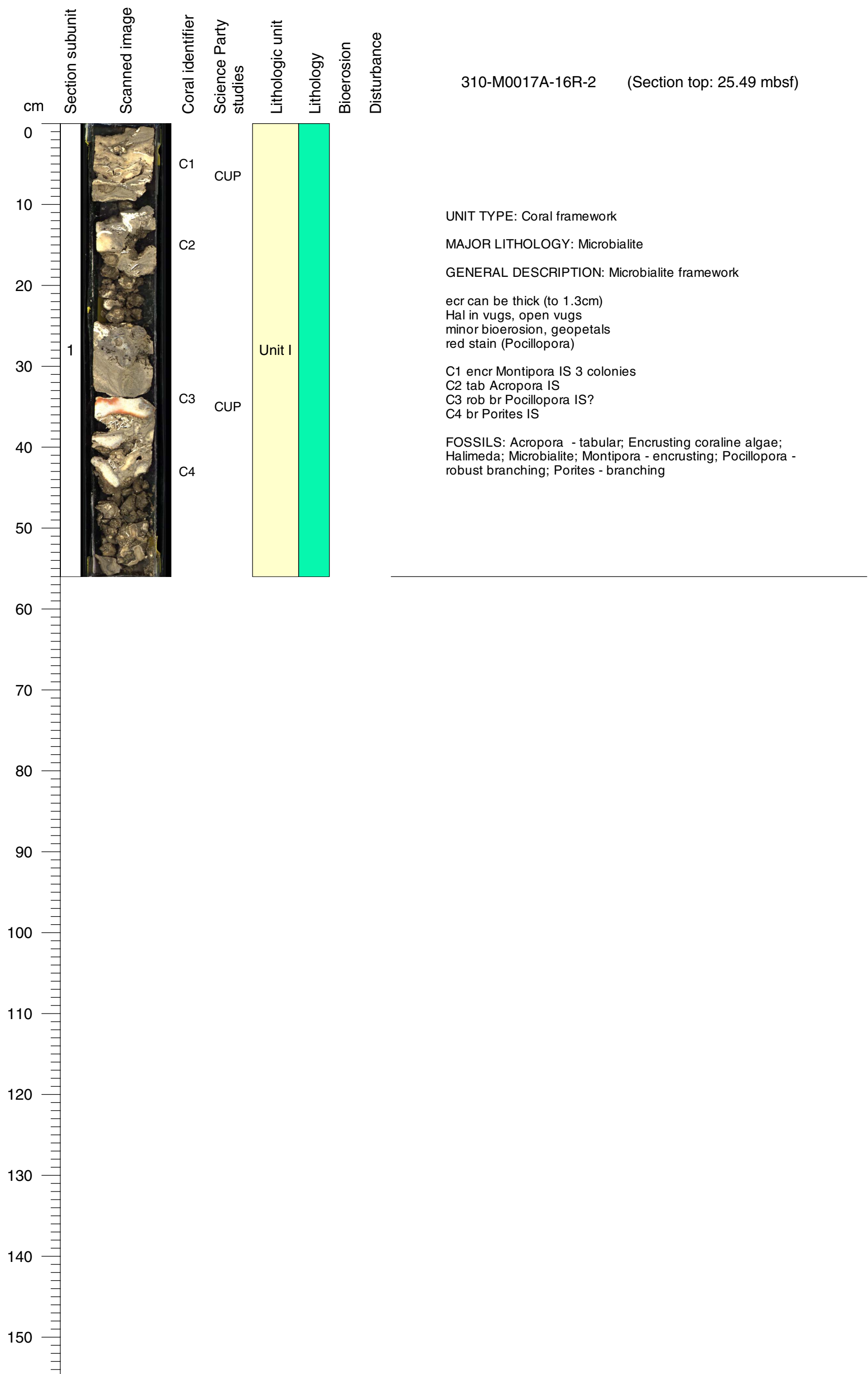
Core Photo

310-M0017A-16R-1 (Section top: 23.99 mbsf)



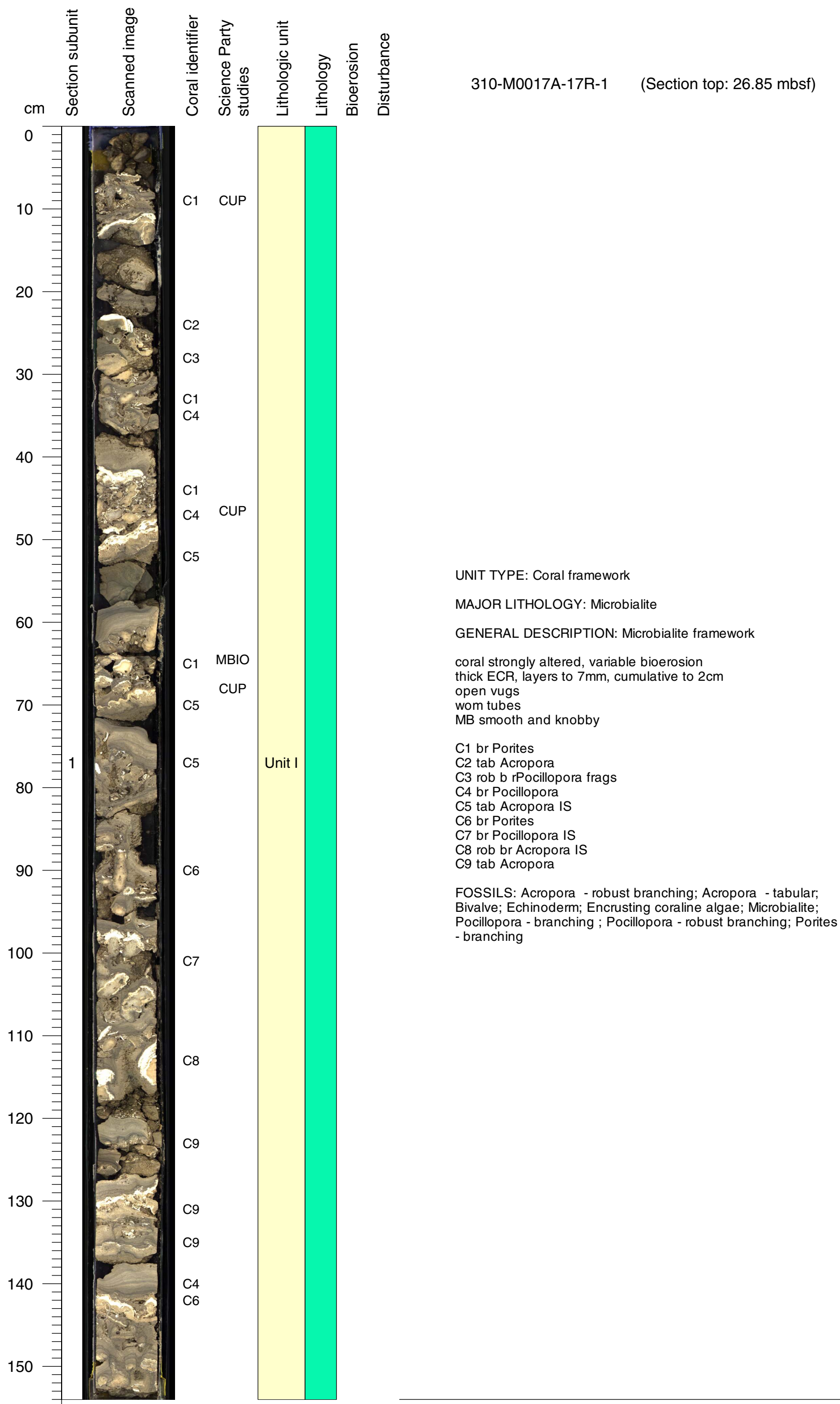
Core Photo

310-M0017A-16R-2 (Section top: 25.49 mbsf)



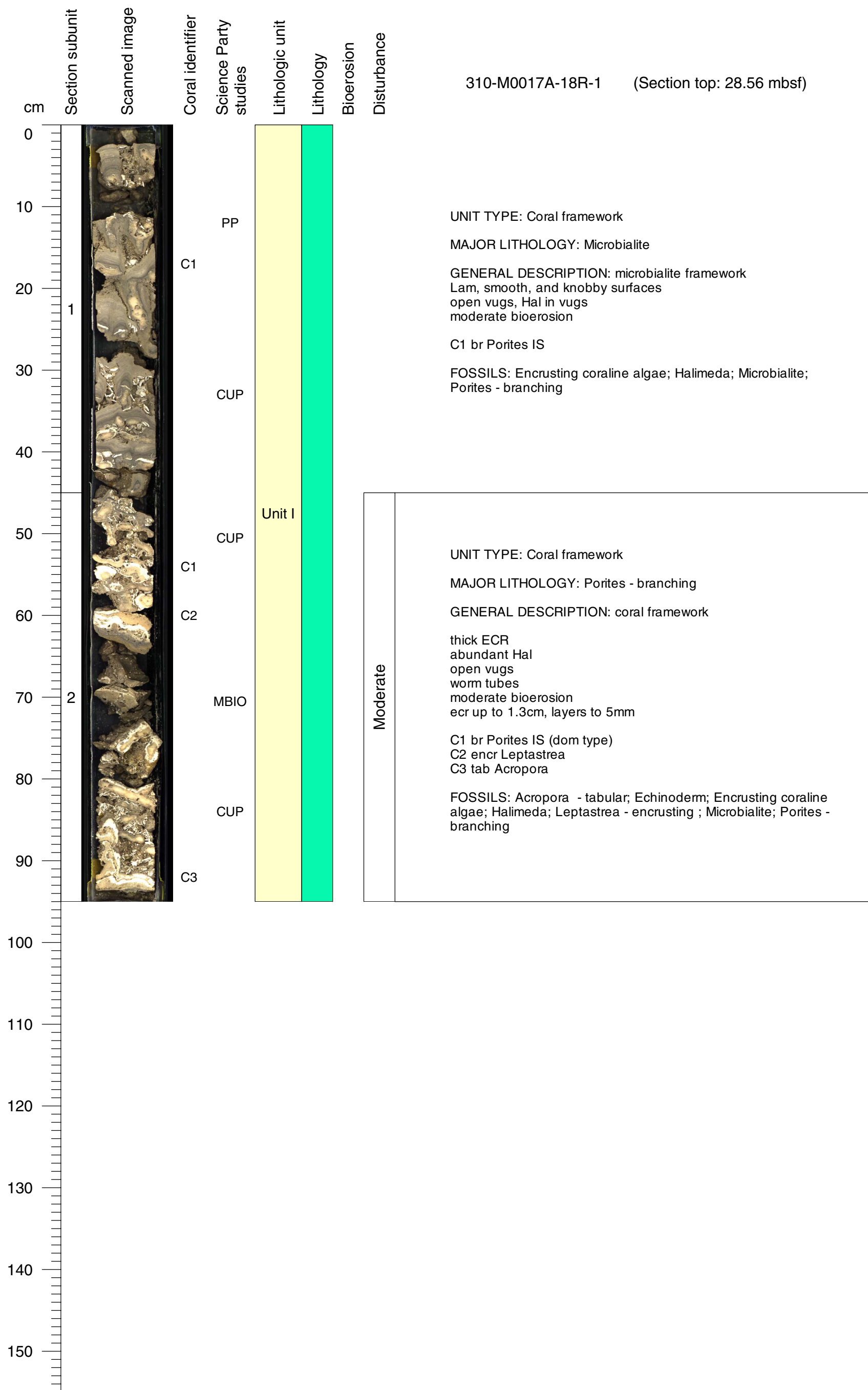
Core Photo

310-M0017A-17R-1 (Section top: 26.85 mbsf)



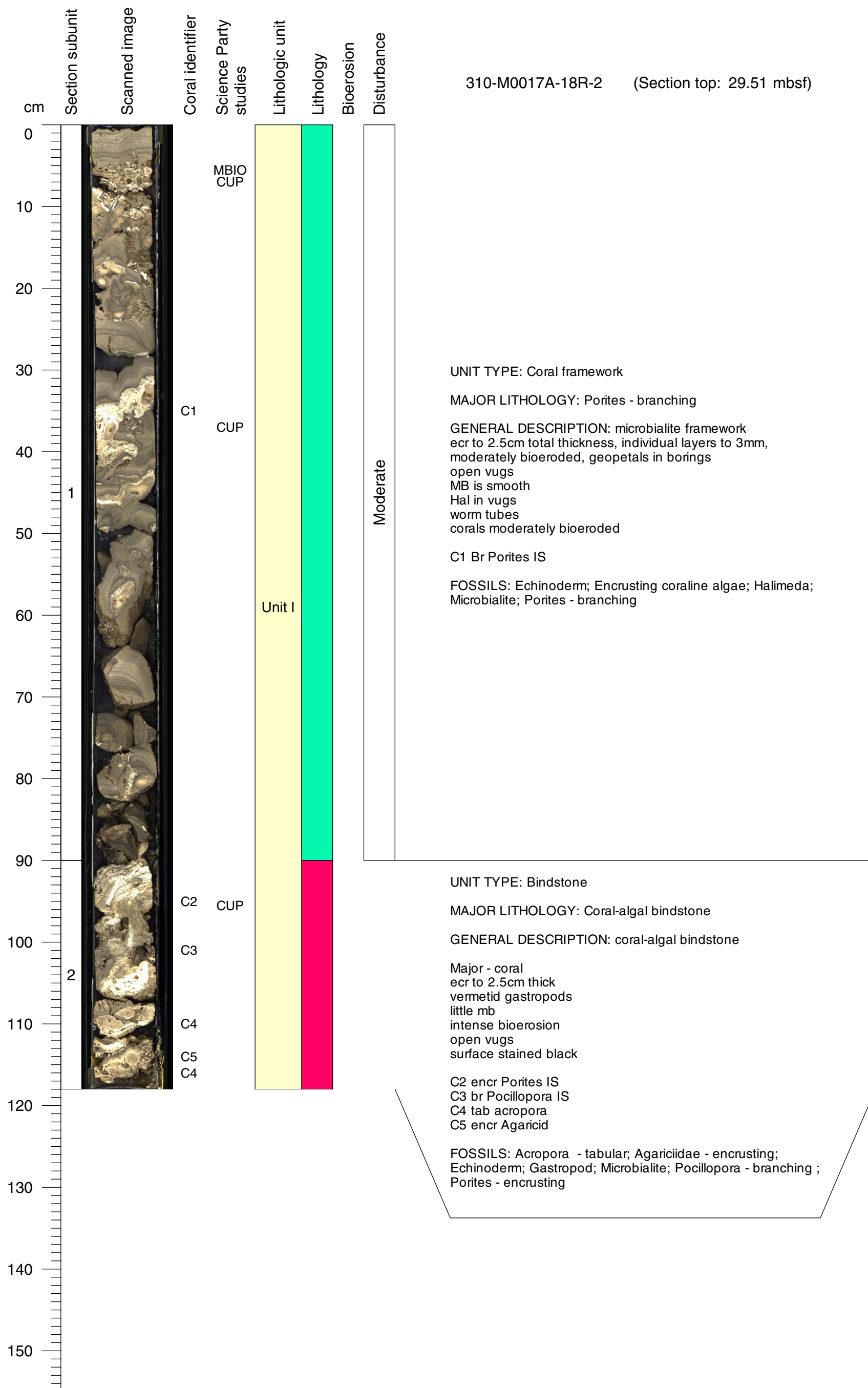
Core Photo

310-M0017A-18R-1 (Section top: 28.56 mbsf)



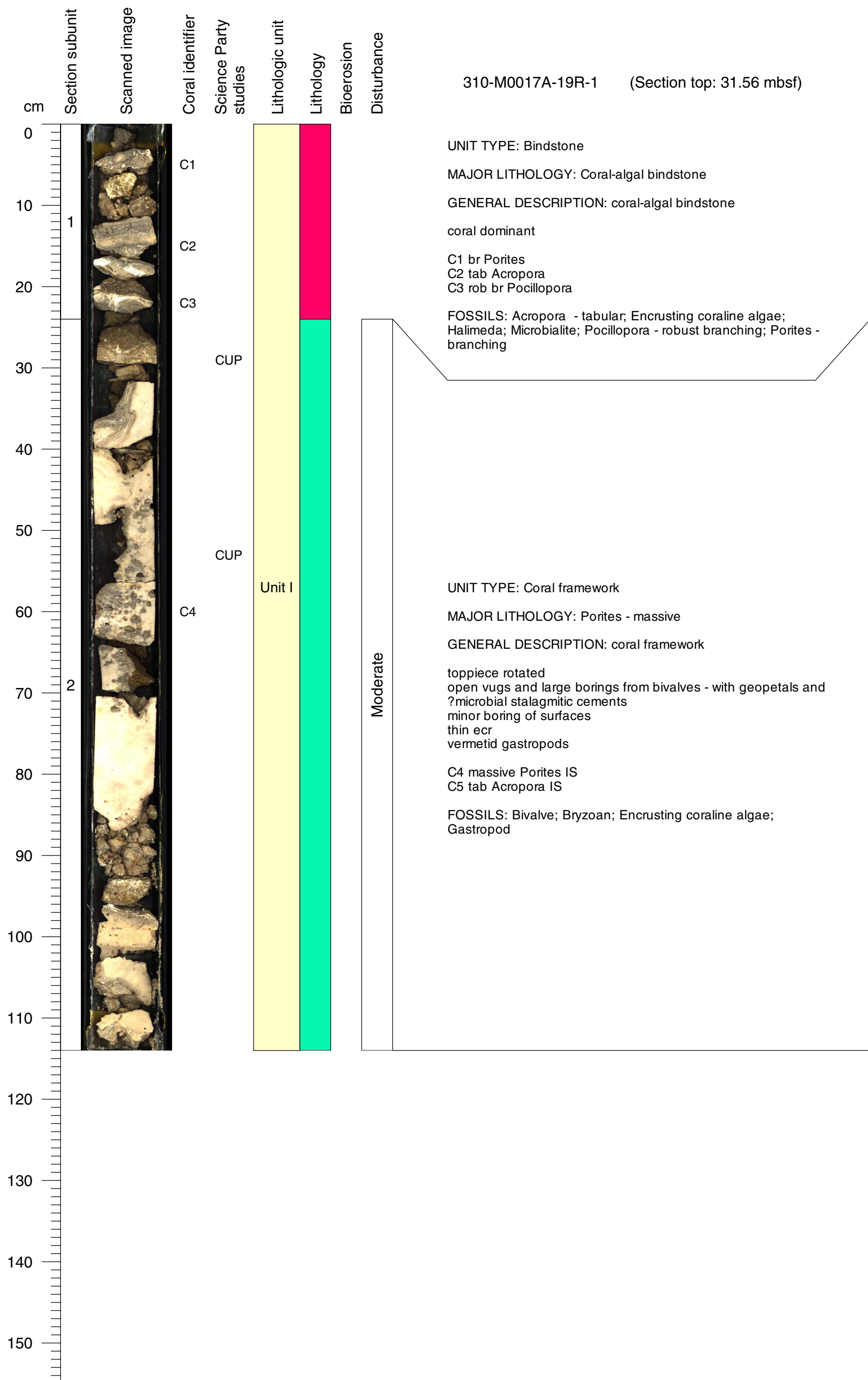
Core Photo

310-M0017A-18R-2 (Section top: 29.51 mbsf)



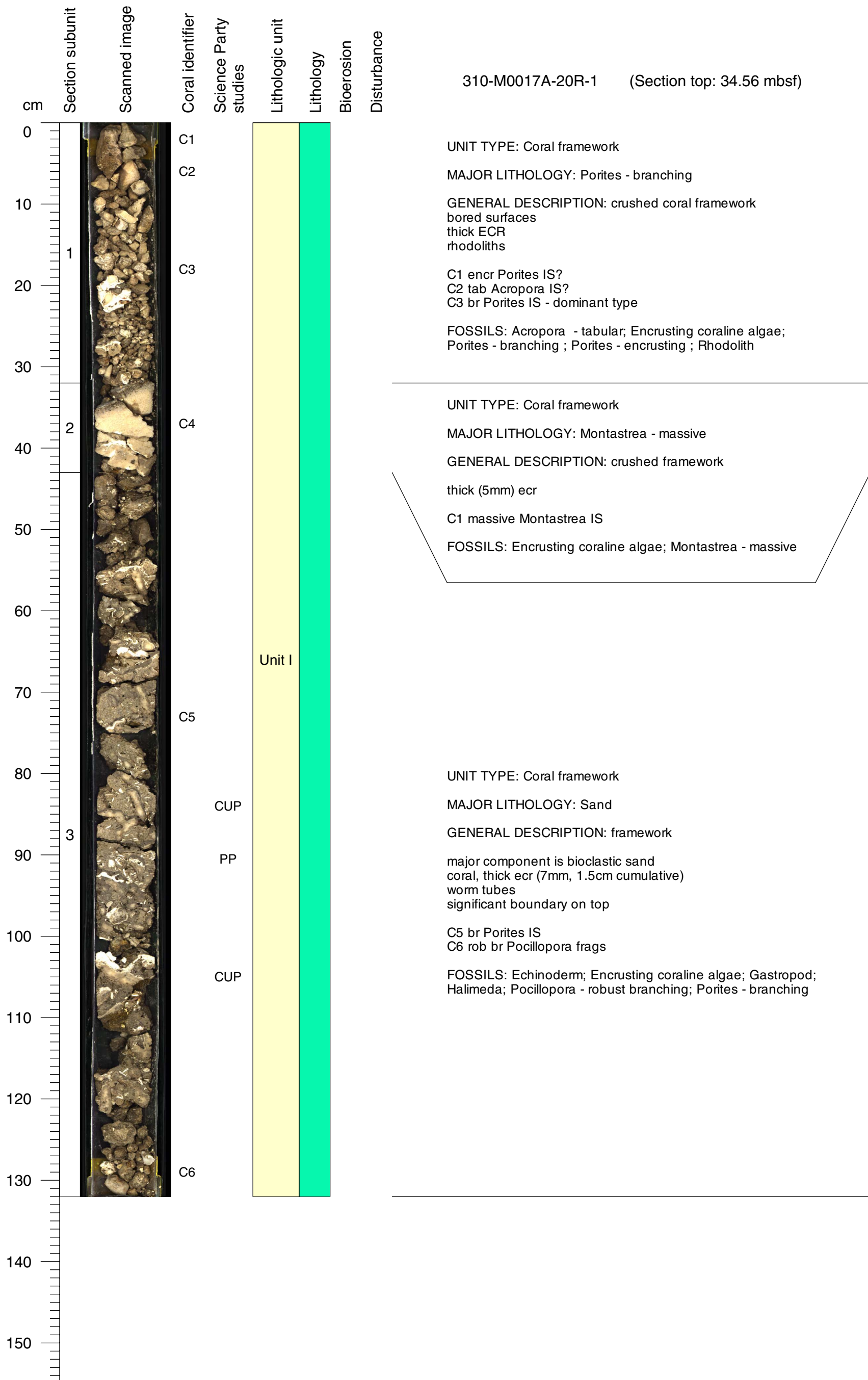
Core Photo

310-M0017A-19R-1 (Section top: 31.56 mbsf)



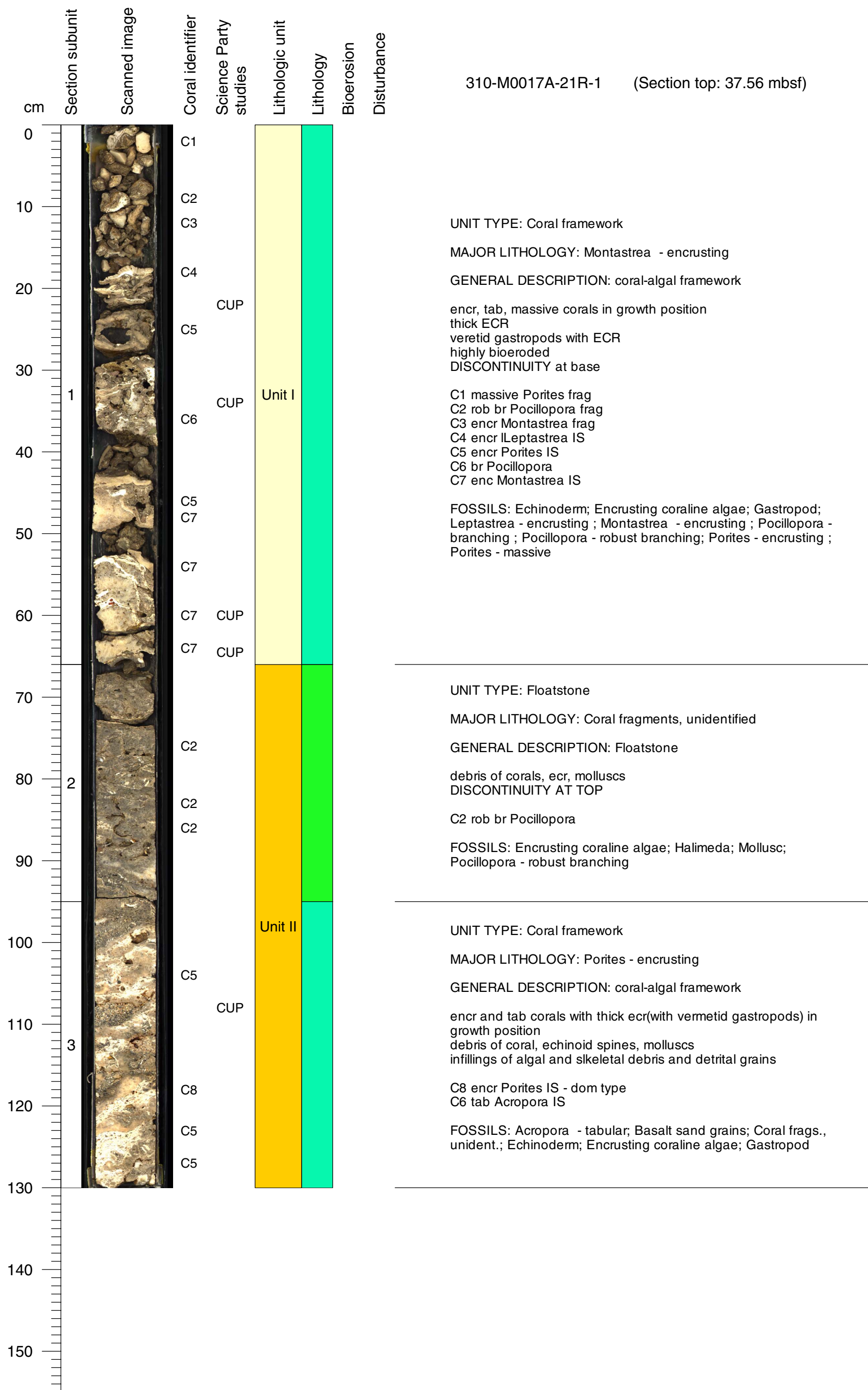
Core Photo

310-M0017A-20R-1 (Section top: 34.56 mbsf)



Core Photo

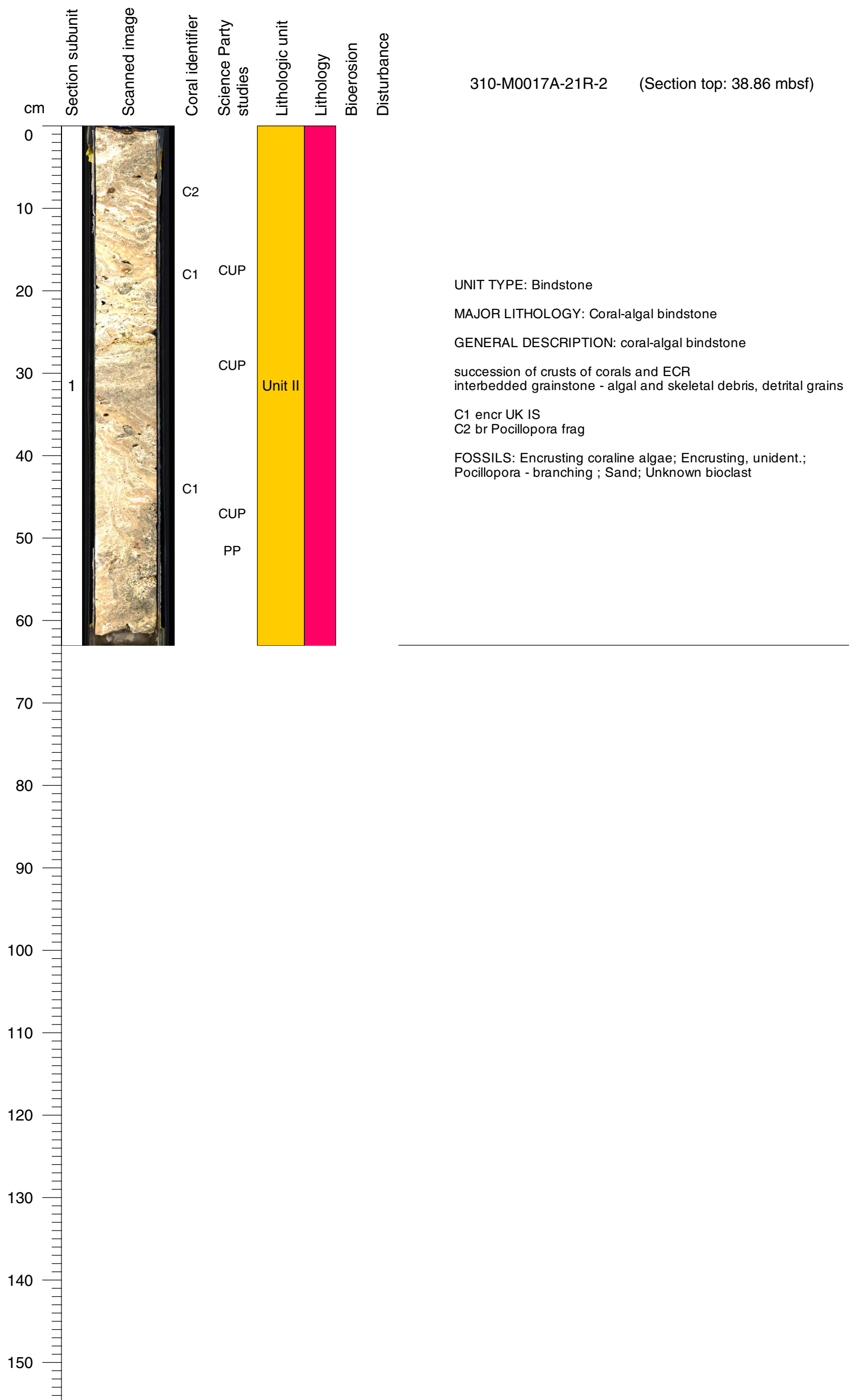
310-M0017A-21R-1 (Section top: 37.56 mbsf)





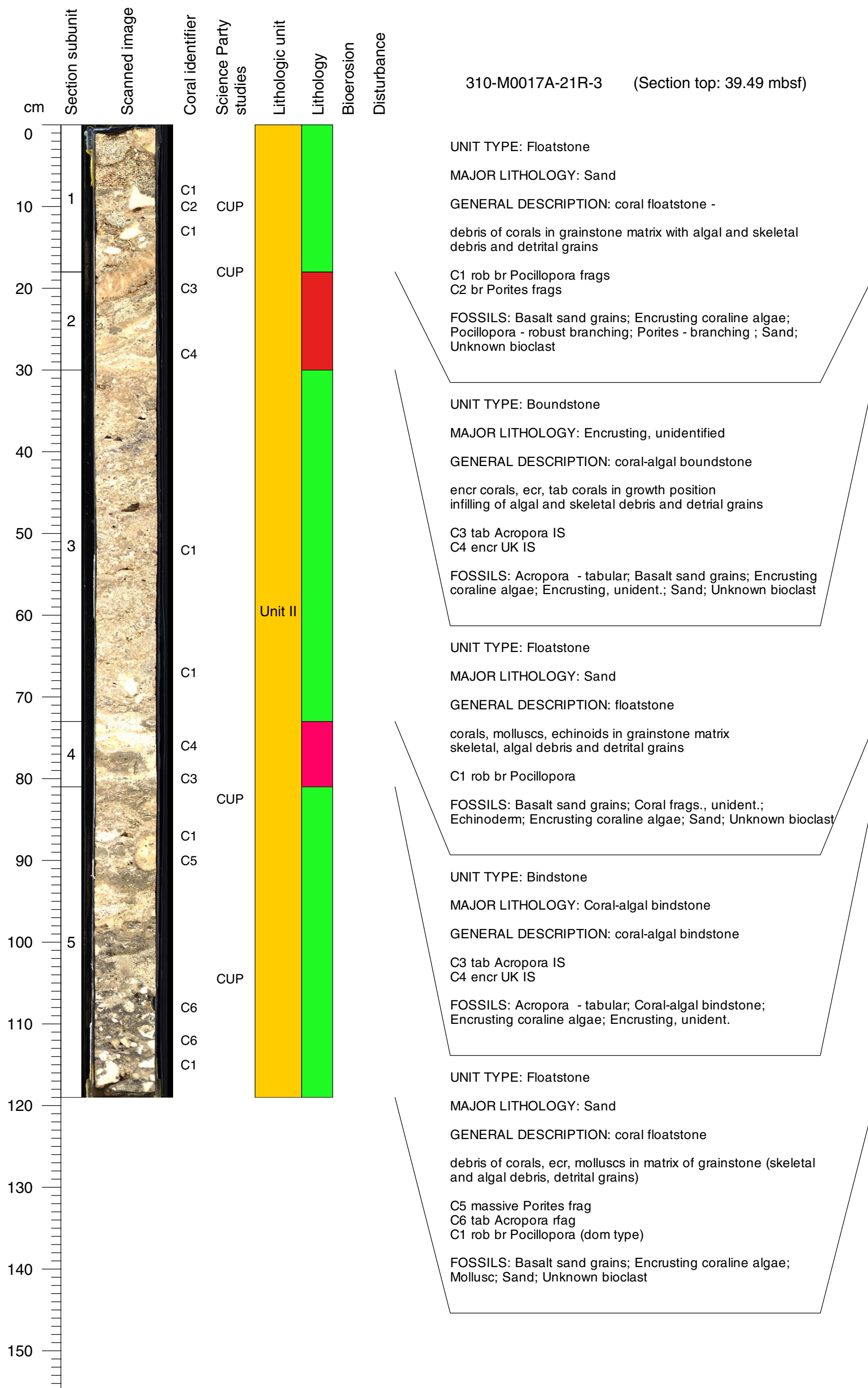
Core Photo

310-M0017A-21R-2 (Section top: 38.86 mbsf)



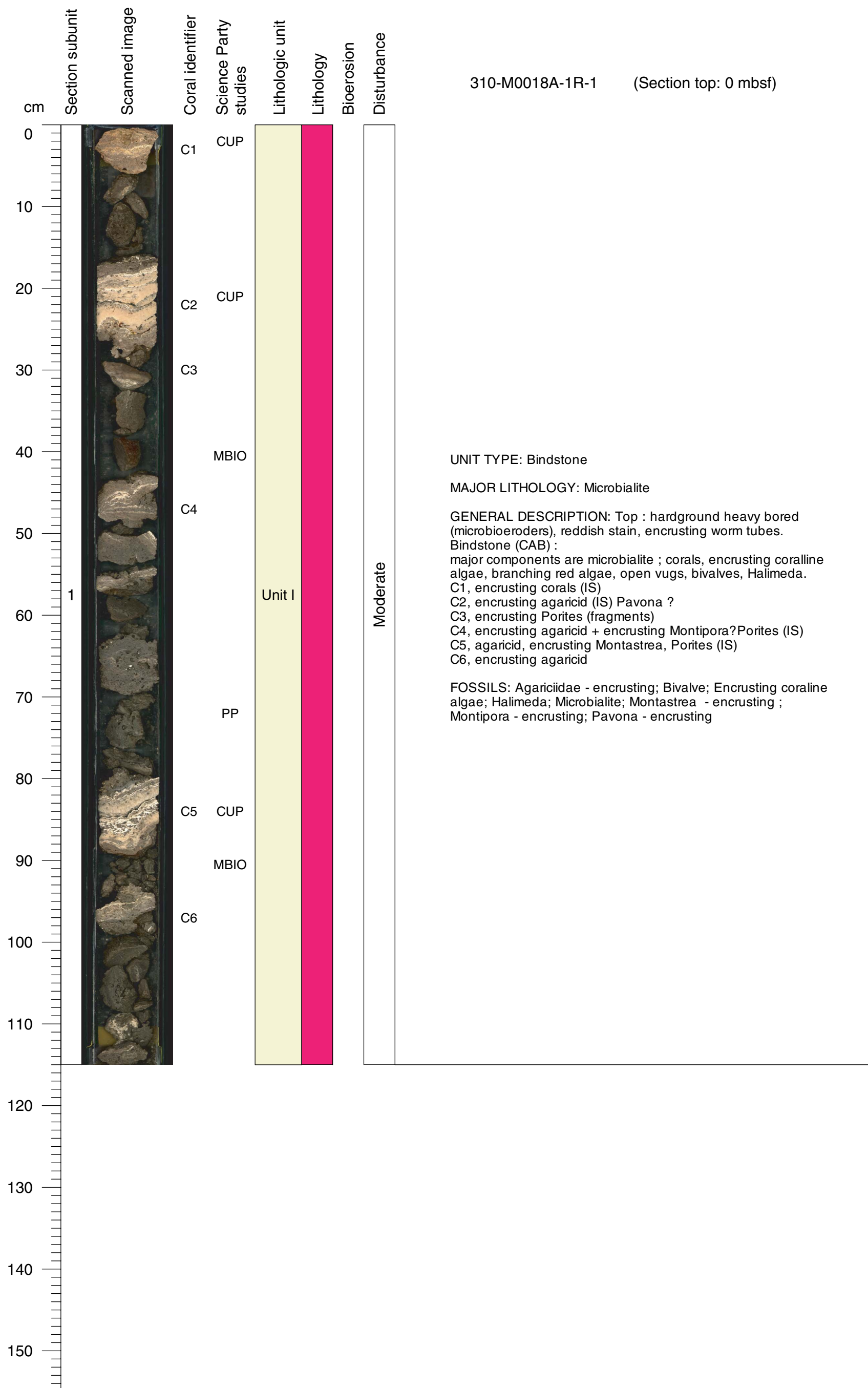
Core Photo

310-M0017A-21R-3 (Section top: 39.49 mbsf)



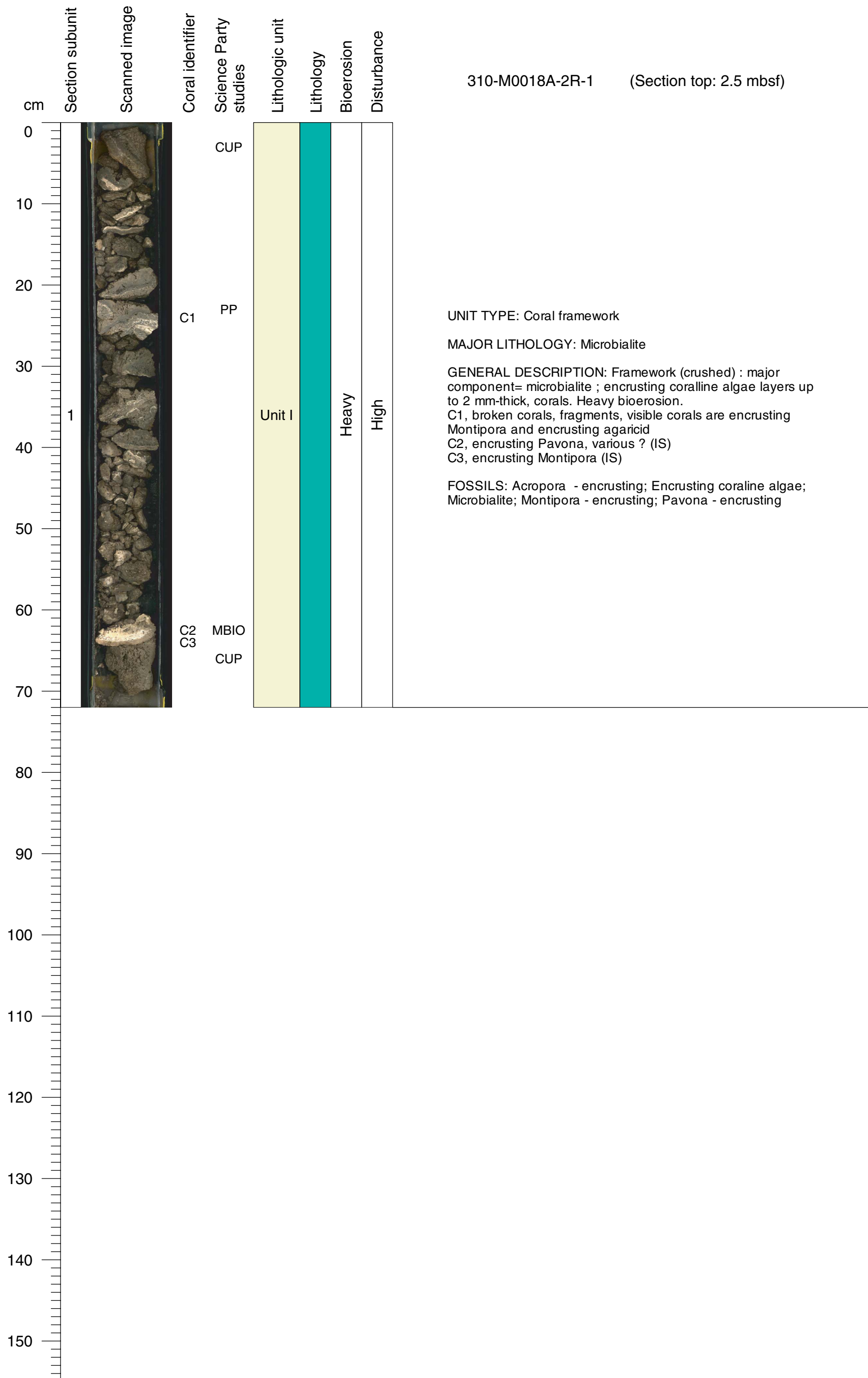
Core Photo

310-M0018A-1R-1 (Section top: 0 mbsf)



Core Photo

310-M0018A-2R-1 (Section top: 2.5 mbsf)



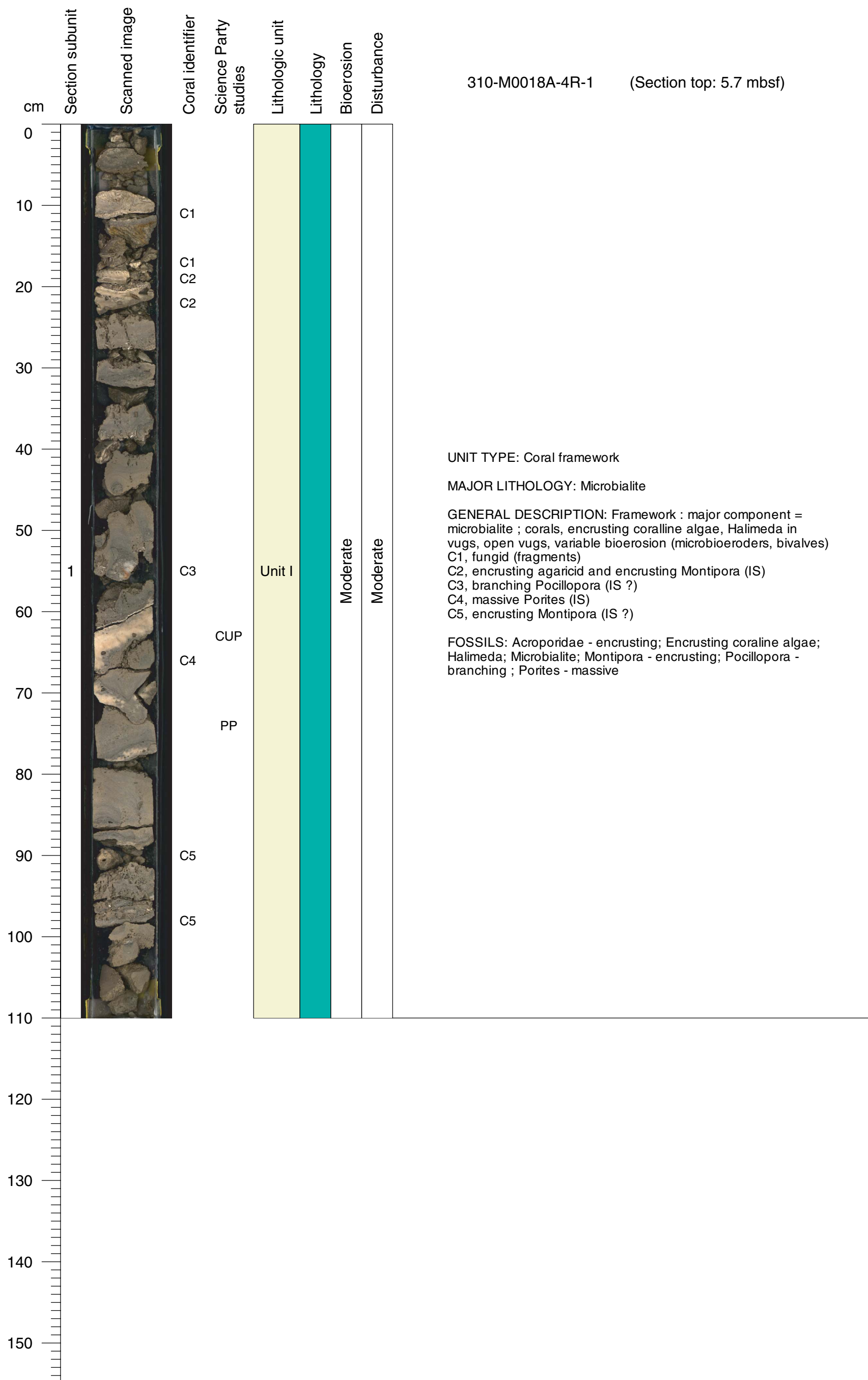
Core Photo

310-M0018A-3R-1 (Section top: 4.2 mbsf)



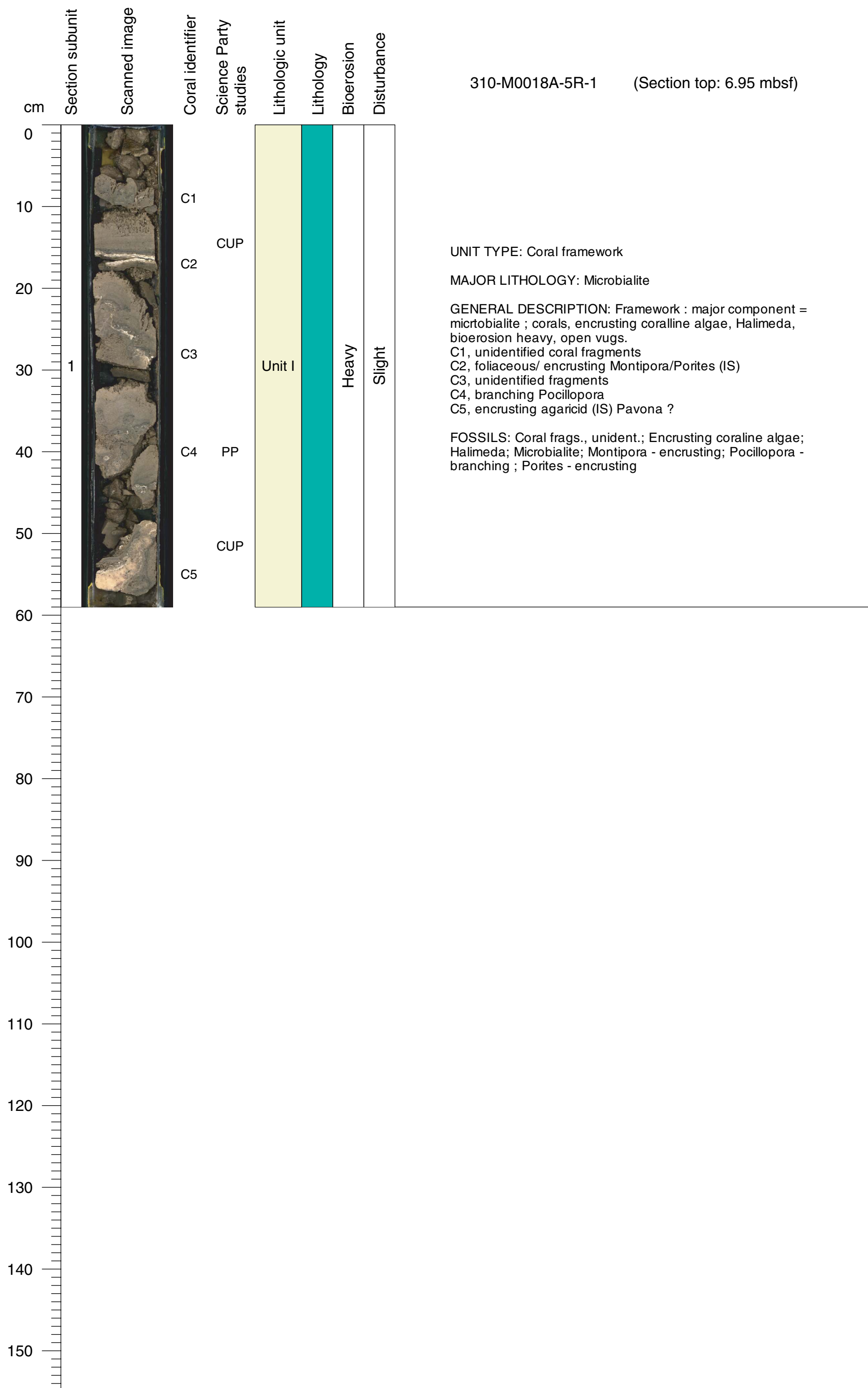
Core Photo

310-M0018A-4R-1 (Section top: 5.7 mbsf)



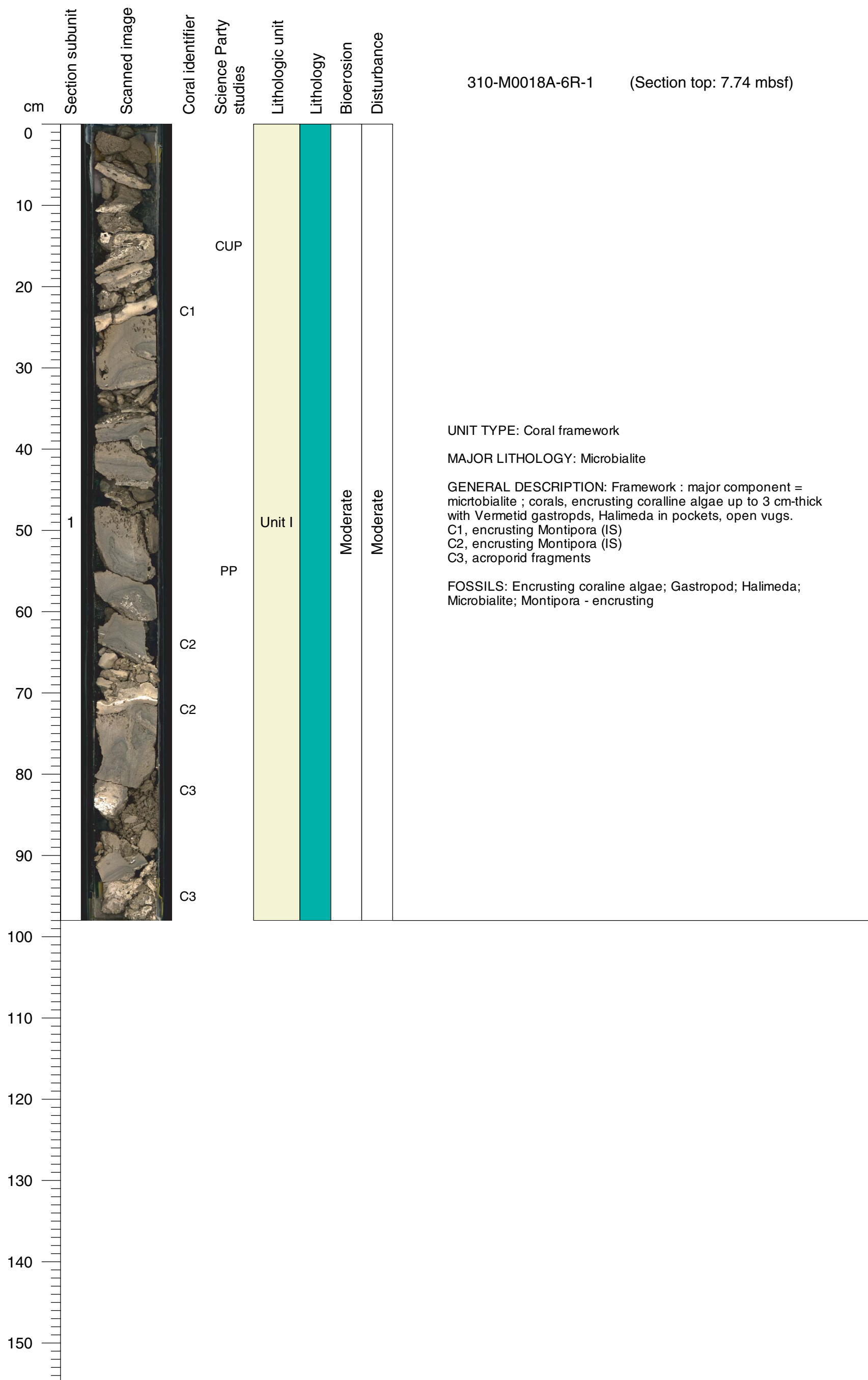
Core Photo

310-M0018A-5R-1 (Section top: 6.95 mbsf)



Core Photo

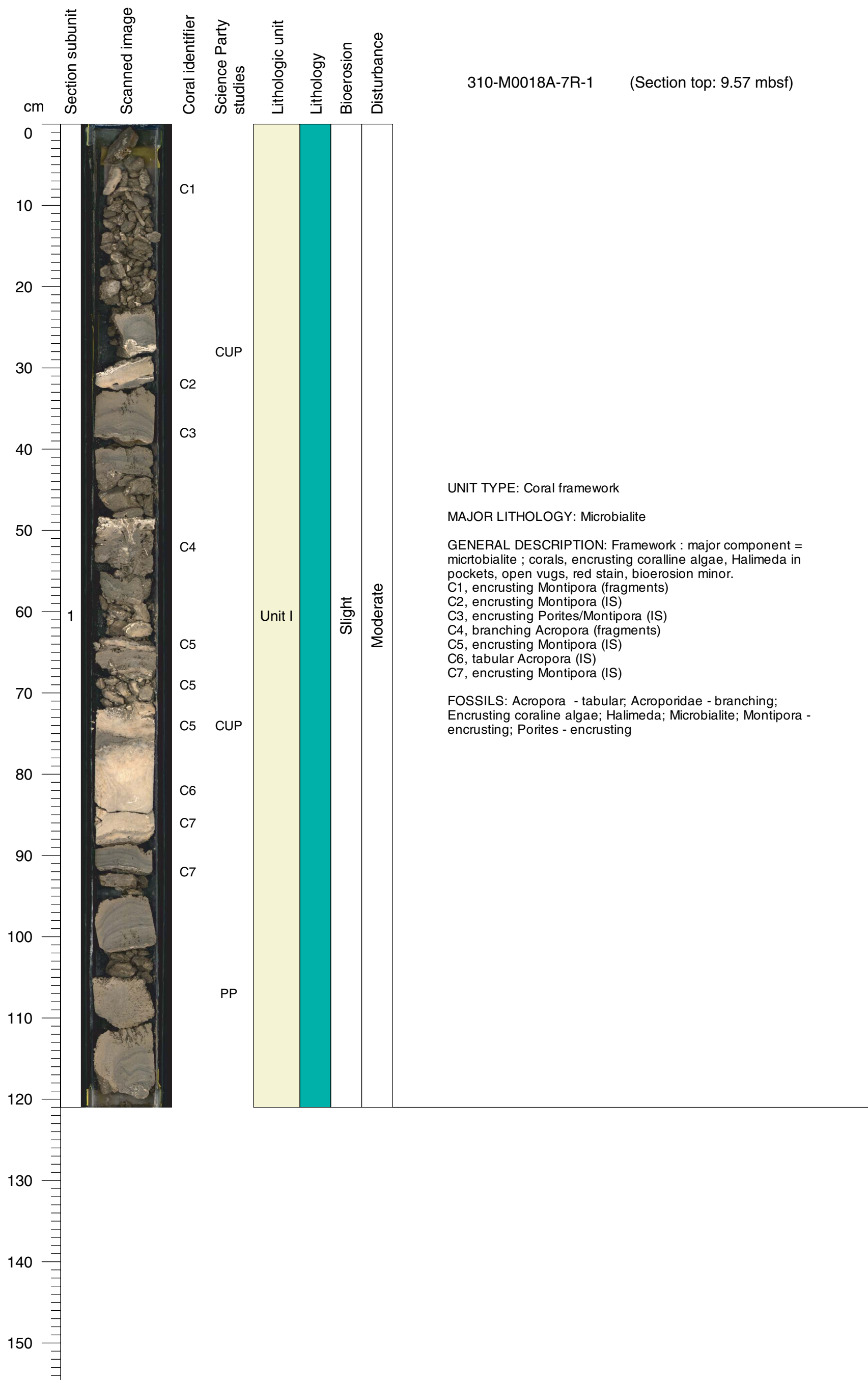
310-M0018A-6R-1 (Section top: 7.74 mbsf)





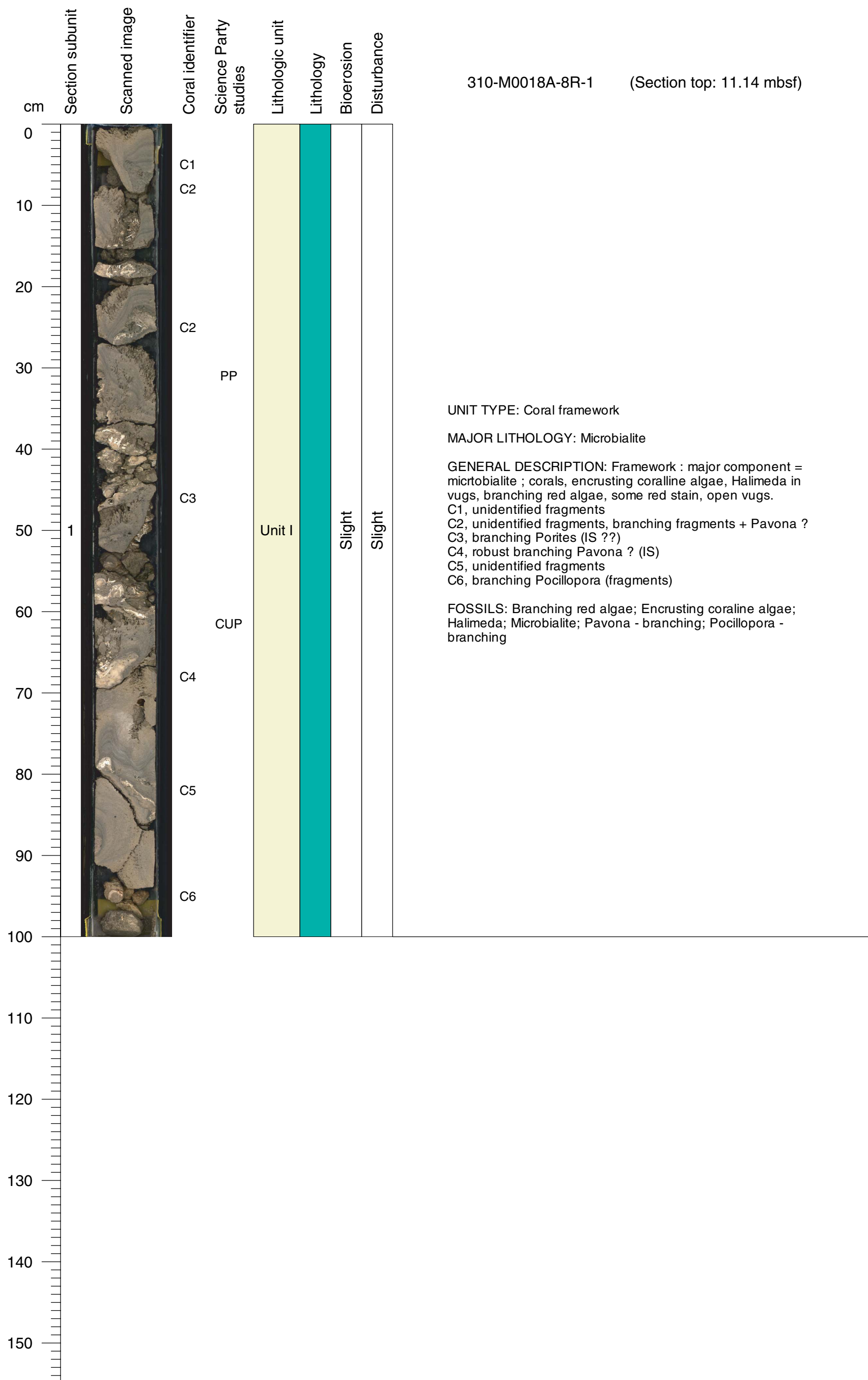
Core Photo

310-M0018A-7R-1 (Section top: 9.57 mbsf)



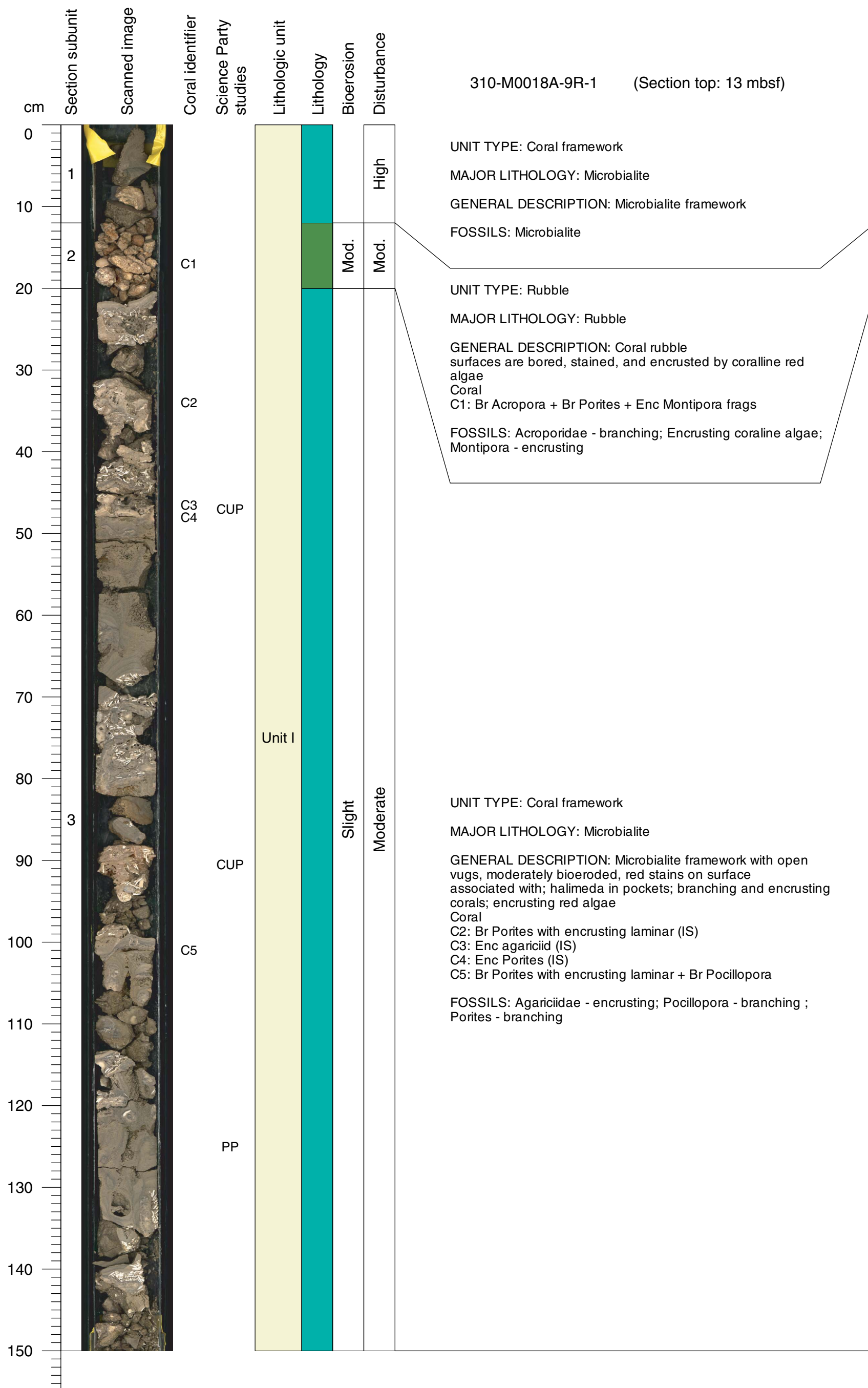
Core Photo

310-M0018A-8R-1 (Section top: 11.14 mbsf)



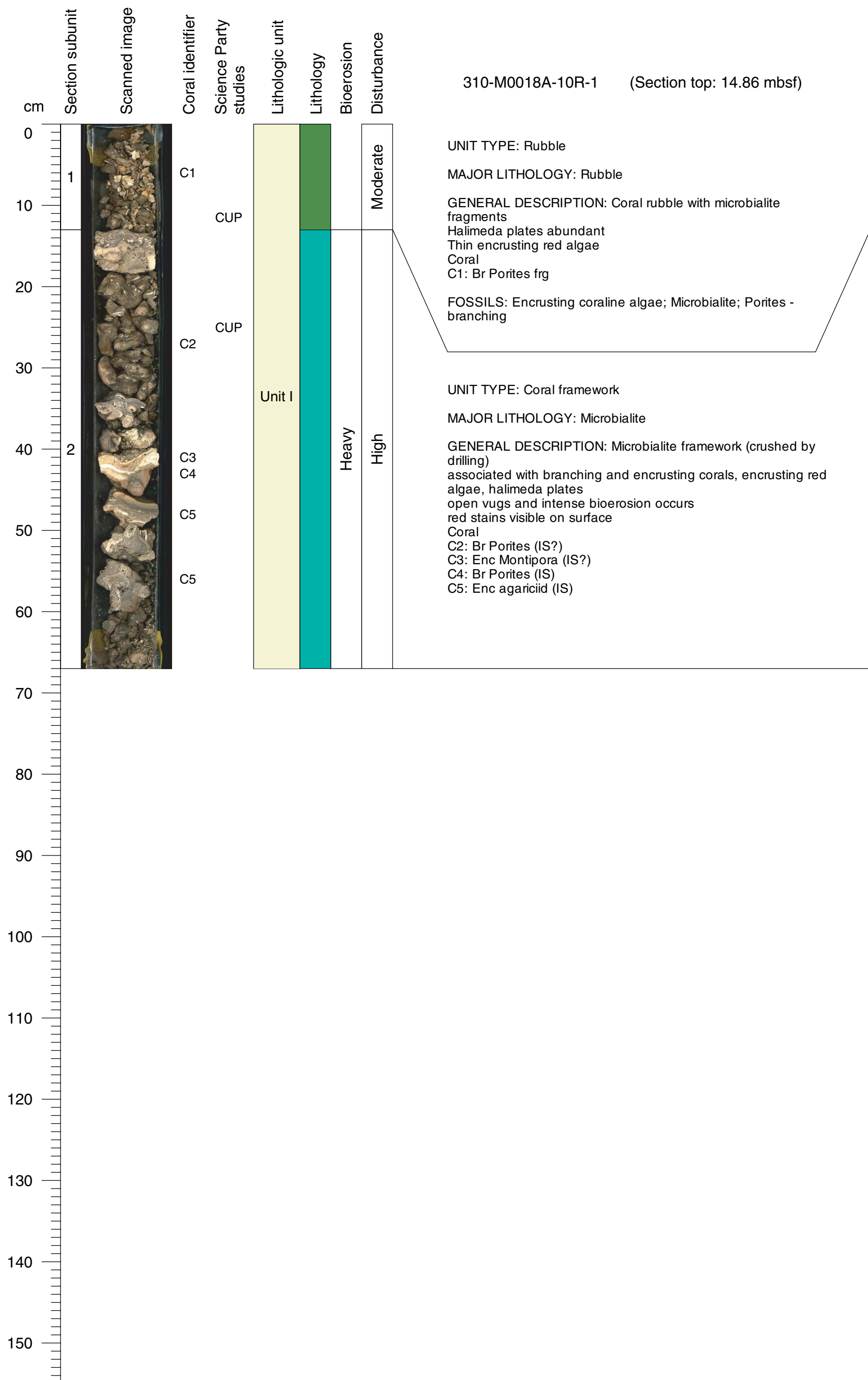
Core Photo

310-M0018A-9R-1 (Section top: 13 mbsf)



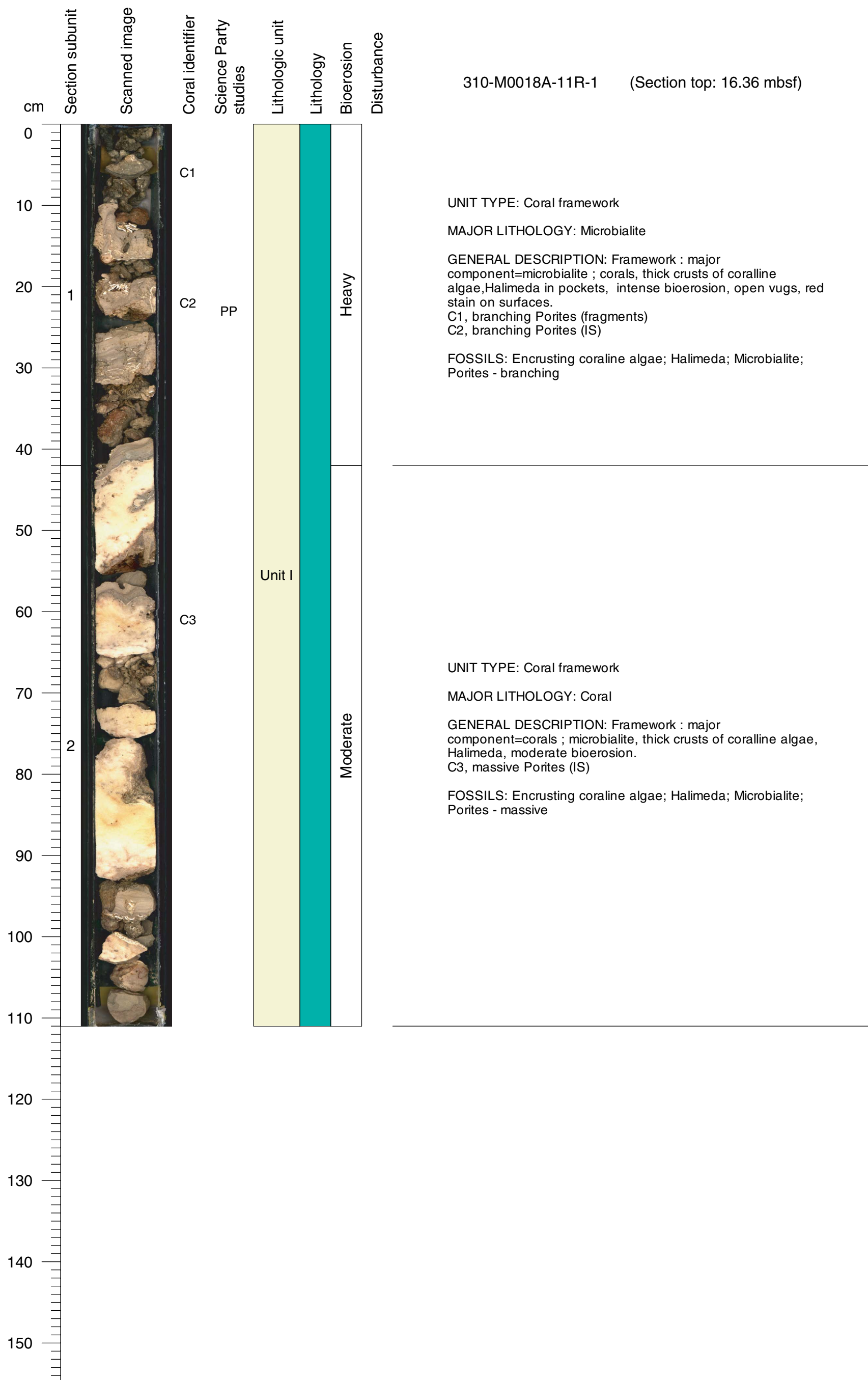
Core Photo

310-M0018A-10R-1 (Section top: 14.86 mbsf)



Core Photo

310-M0018A-11R-1 (Section top: 16.36 mbsf)



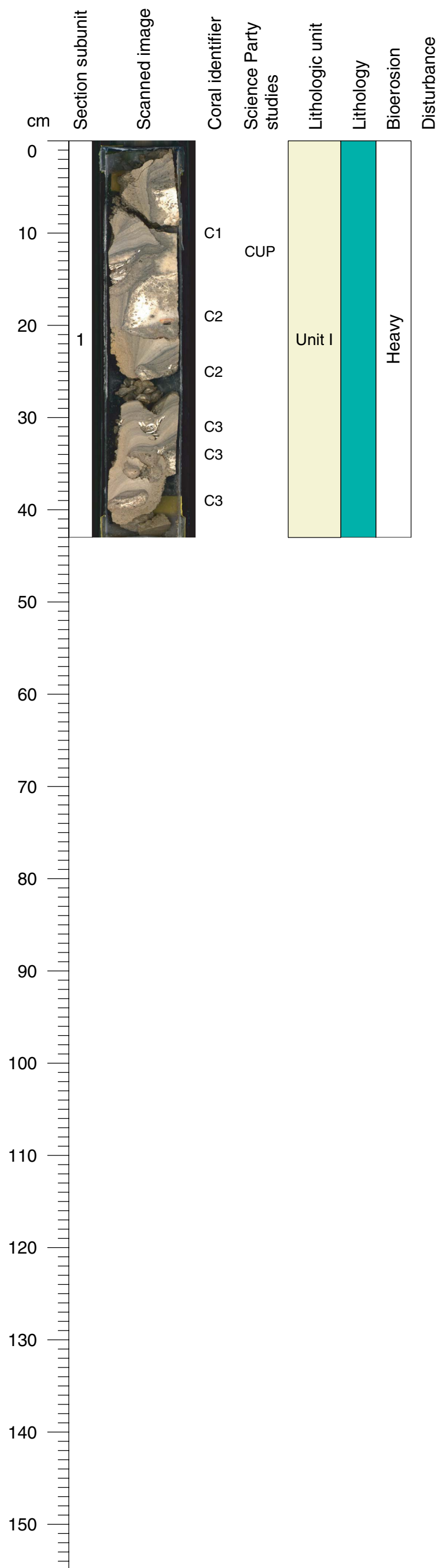
Core Photo

310-M0018A-12R-1 (Section top: 17.55 mbsf)

cm	Section subunit	Scanned image	Coral identifier	Science Party studies	Lithologic unit	Lithology	Bioerosion	Disturbance	
0									
10									UNIT TYPE: Coral framework
20	1		C1	CUP			Heavy	Slight	MAJOR LITHOLOGY: Coral
30									GENERAL DESCRIPTION: Framework : major component=corals ; microbialites laminated, encrusting coralline algae up to 1 cm-thick, bioerosion of encrusting coralline algae heavy, corals minor ; geopetal C1, massive Porites (IS)
40									FOSSILS: Encrusting coralline algae; Microbialite; Porites - massive
50			C2						
60			C2						
70			C3	CUP	Unit I				UNIT TYPE: Coral framework
80			C4						MAJOR LITHOLOGY: Microbialite
90	2		C4					Slight	GENERAL DESCRIPTION: Framework : major component=microbialite ; corals strongly altered, thick crusts of coralline algae up to 0.5 cm-thick, Halimeda in pockets, dissolution vugs ? or macrobioerosion ?, geopetals. Strong contact at 1.10 m and below strongly altered corals. C2, encrusting and branching Porites (fragments) C3, encrusting Porites (thin) + agaricid (IS) C4, branching Porites (fragments) C5, branching Pocillopora (fragments)
100			C4						FOSSILS: Agariciidae - encrusting; Halimeda; Microbialite; Pocillopora - branching ; Porites - branching ; Porites - encrusting
110			C5						
120			C5	CUP					
130			C5						
140			C5	CUP					
150									

Core Photo

310-M0018A-12R-2 (Section top: 18.93 mbsf)



UNIT TYPE: Coral framework

MAJOR LITHOLOGY: Microbialite

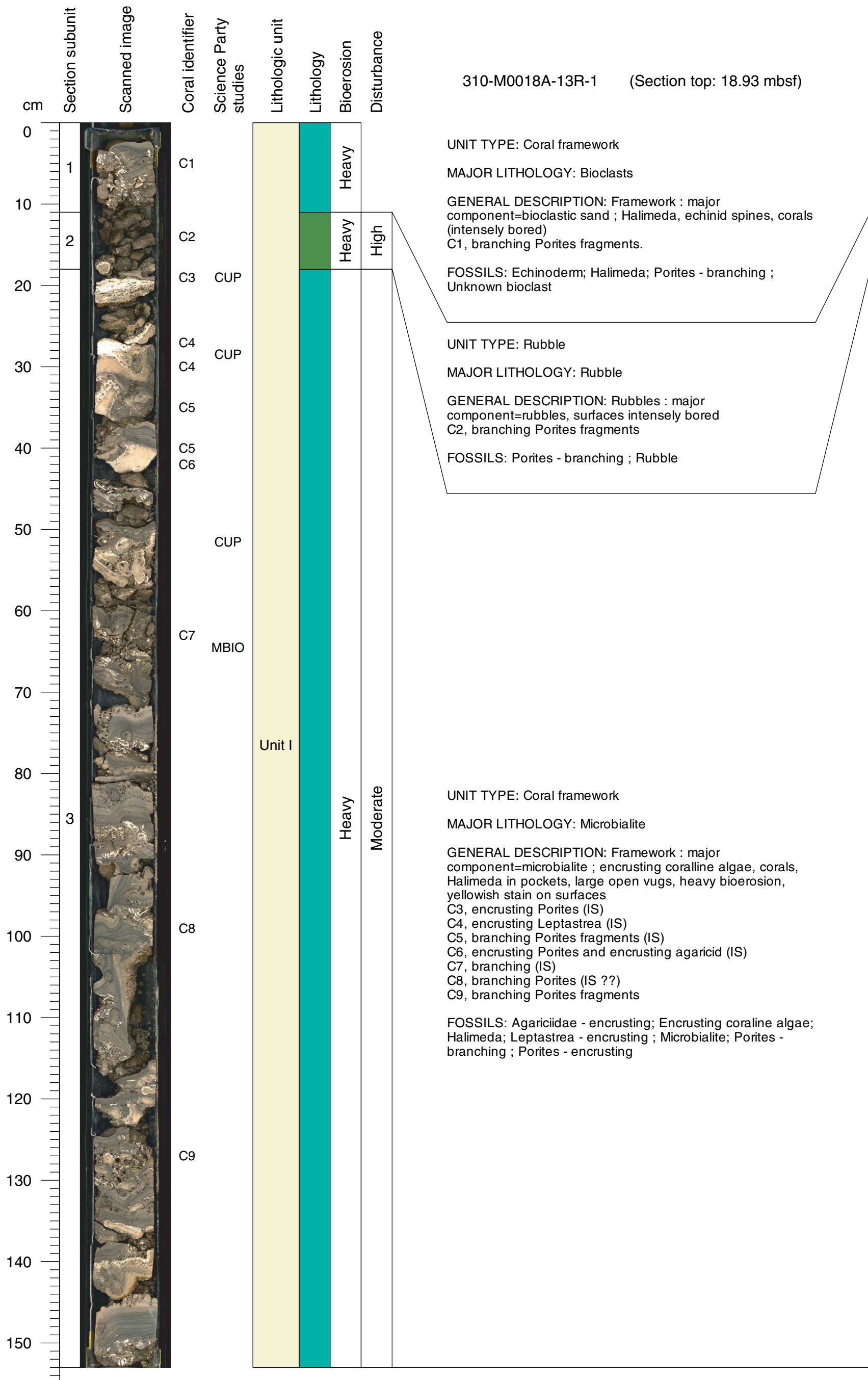
GENERAL DESCRIPTION: Framework : major component=microbialite (smooth surfaces, knobby) ; corals strongly altered, thick crusts of coralline algae up to 2 cm-thick, Halimeda in pockets, open vugs, bioerosion heavy, marine cementation.

C1, encrusting agaricid (IS ?)  
 C2, branching Pocillopora (fragments)  
 C3, branching Porites (fragments)

FOSSILS: Agariciidae - encrusting; Halimeda; Microbialite; Pocillopora - branching ; Porites - branching

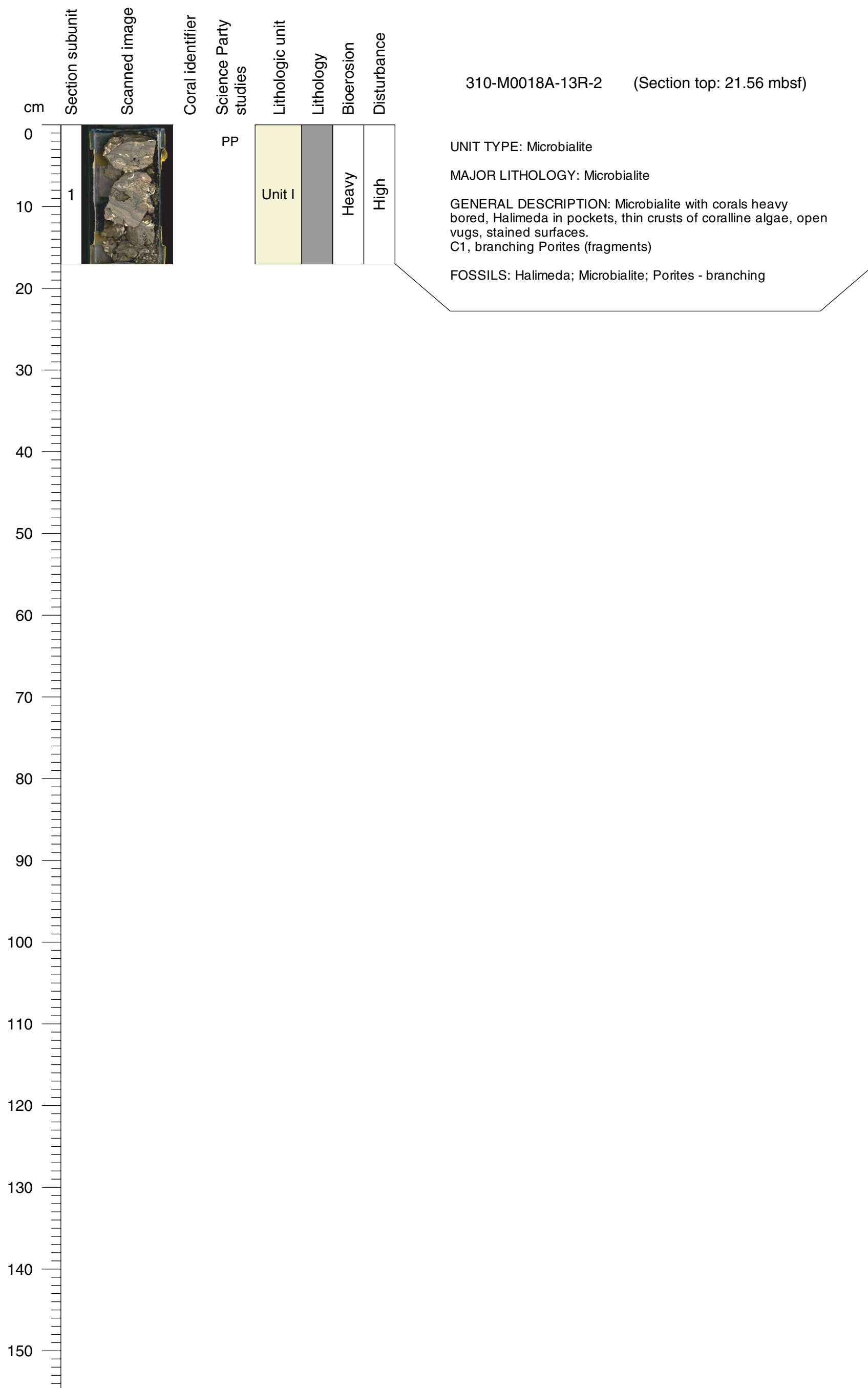
Core Photo

310-M0018A-13R-1 (Section top: 18.93 mbsf)



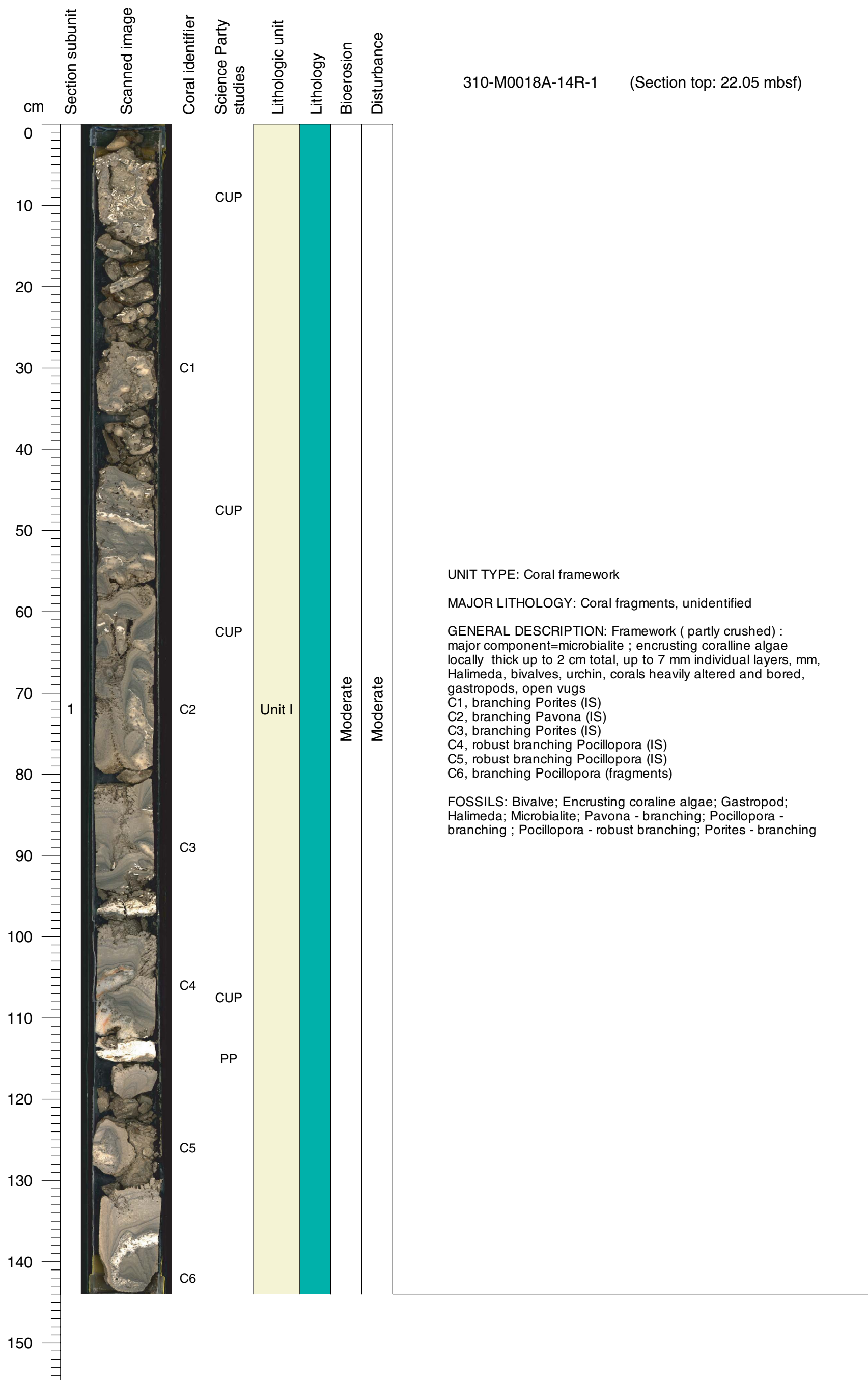


**Core Photo**



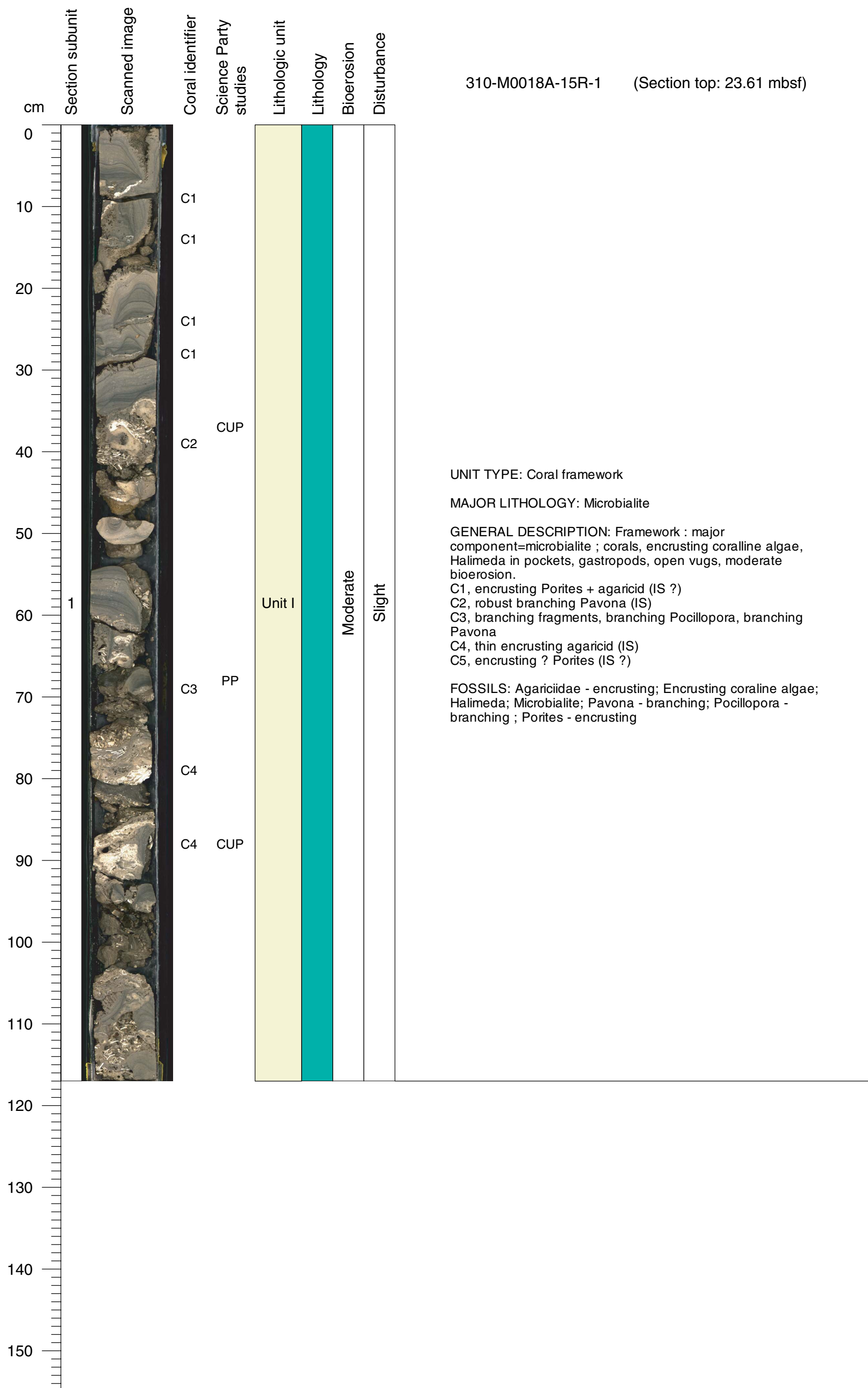
Core Photo

310-M0018A-14R-1 (Section top: 22.05 mbsf)



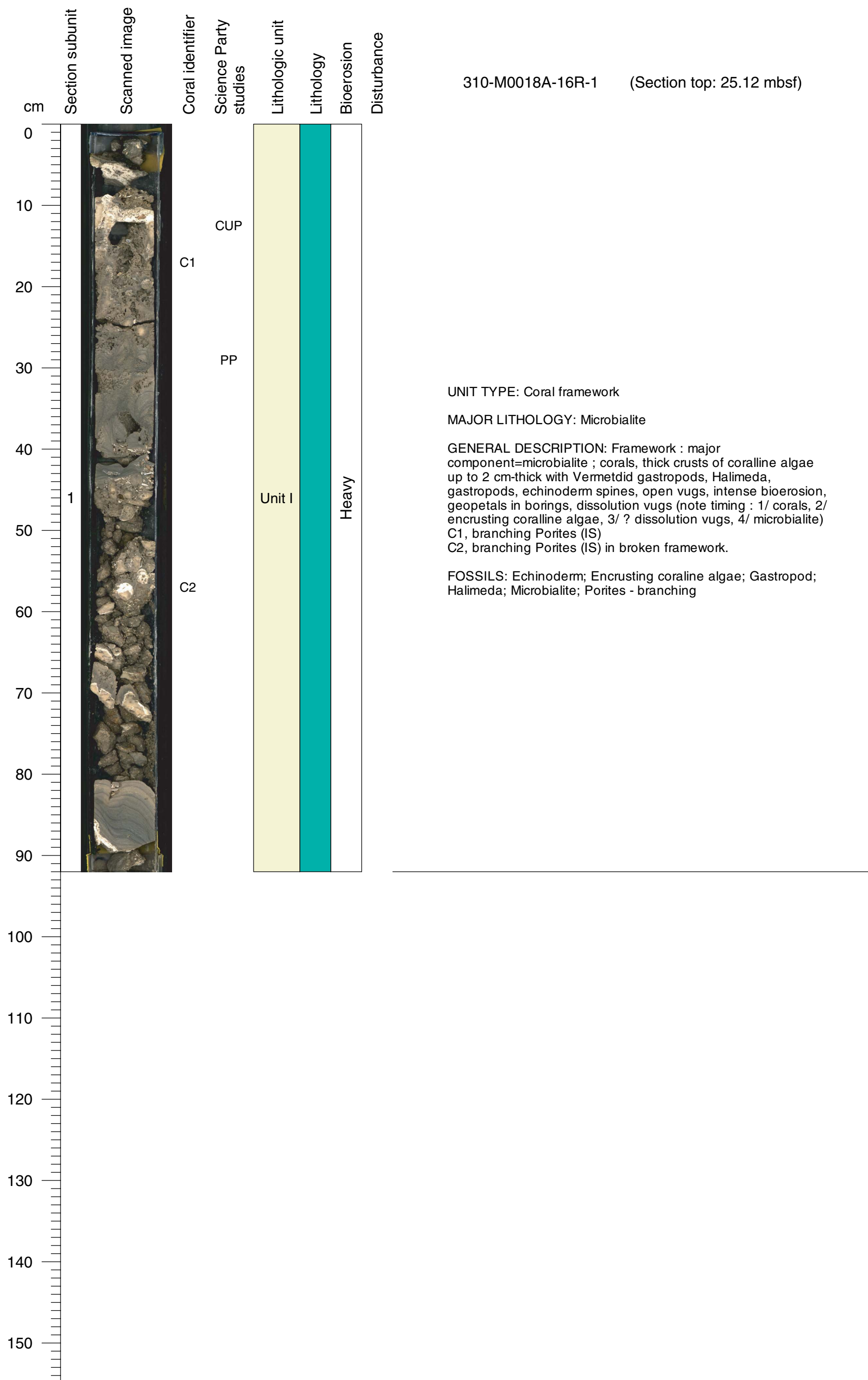
Core Photo

310-M0018A-15R-1 (Section top: 23.61 mbsf)



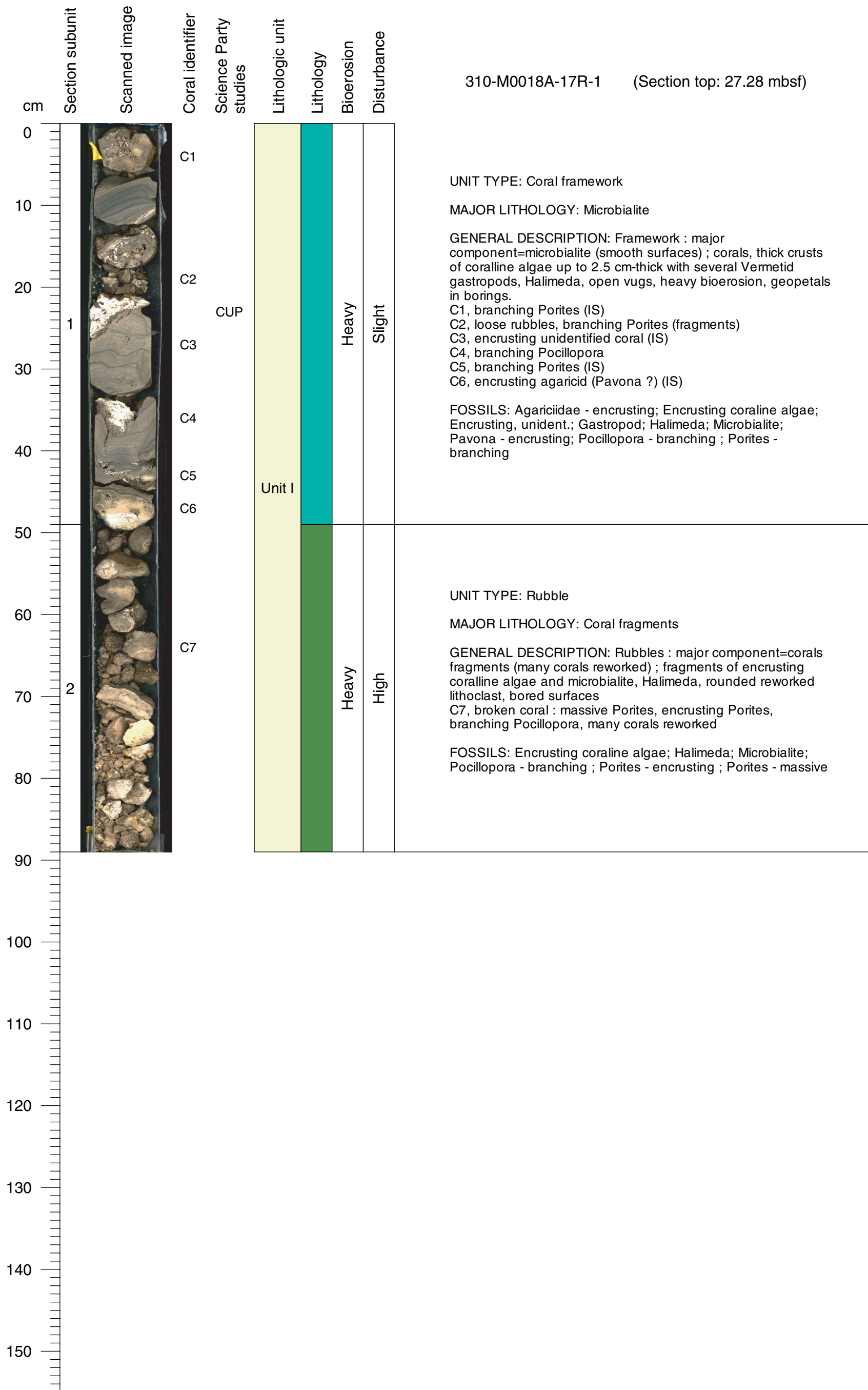
Core Photo

310-M0018A-16R-1 (Section top: 25.12 mbsf)



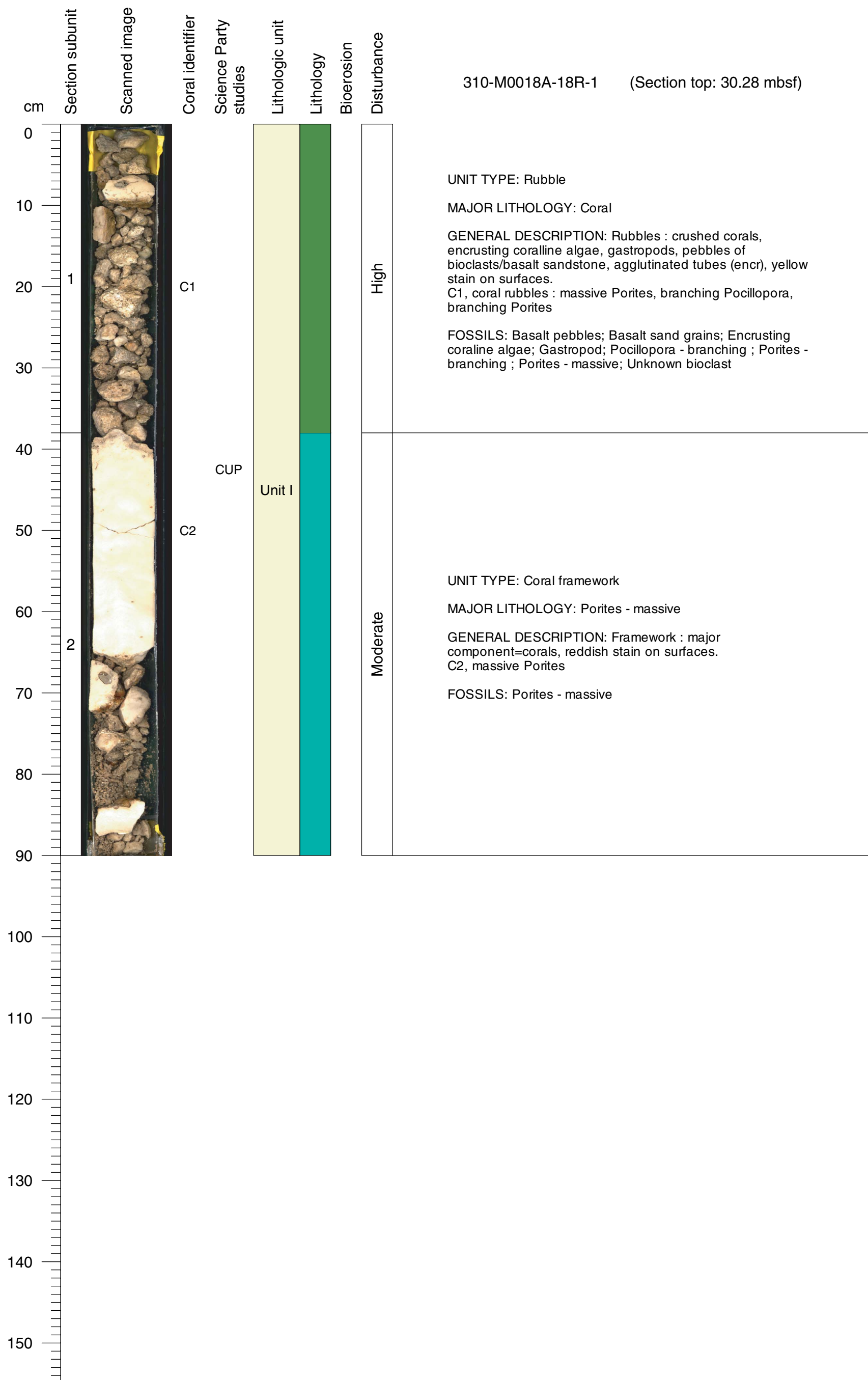
Core Photo

310-M0018A-17R-1 (Section top: 27.28 mbsf)

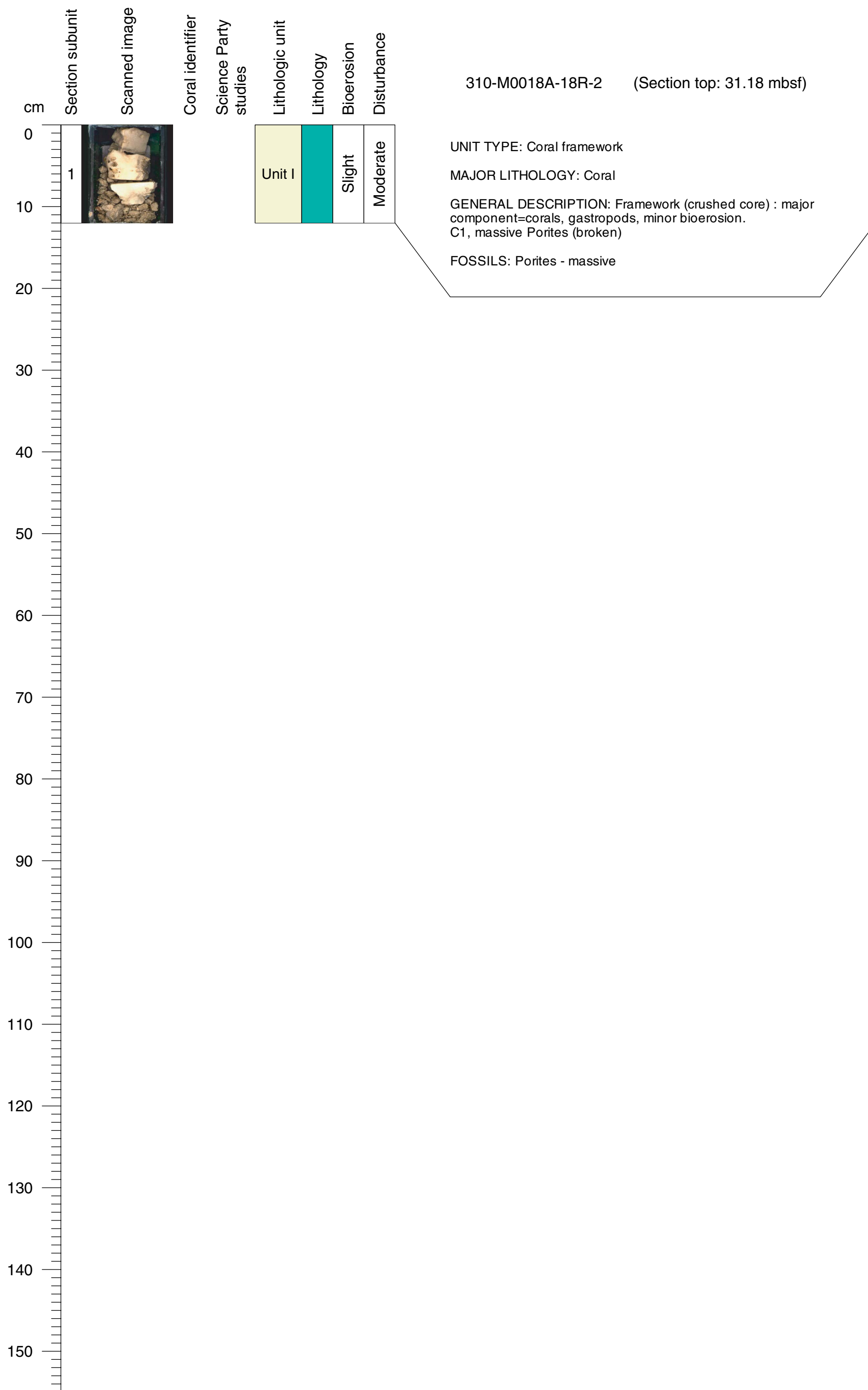


Core Photo

310-M0018A-18R-1 (Section top: 30.28 mbsf)

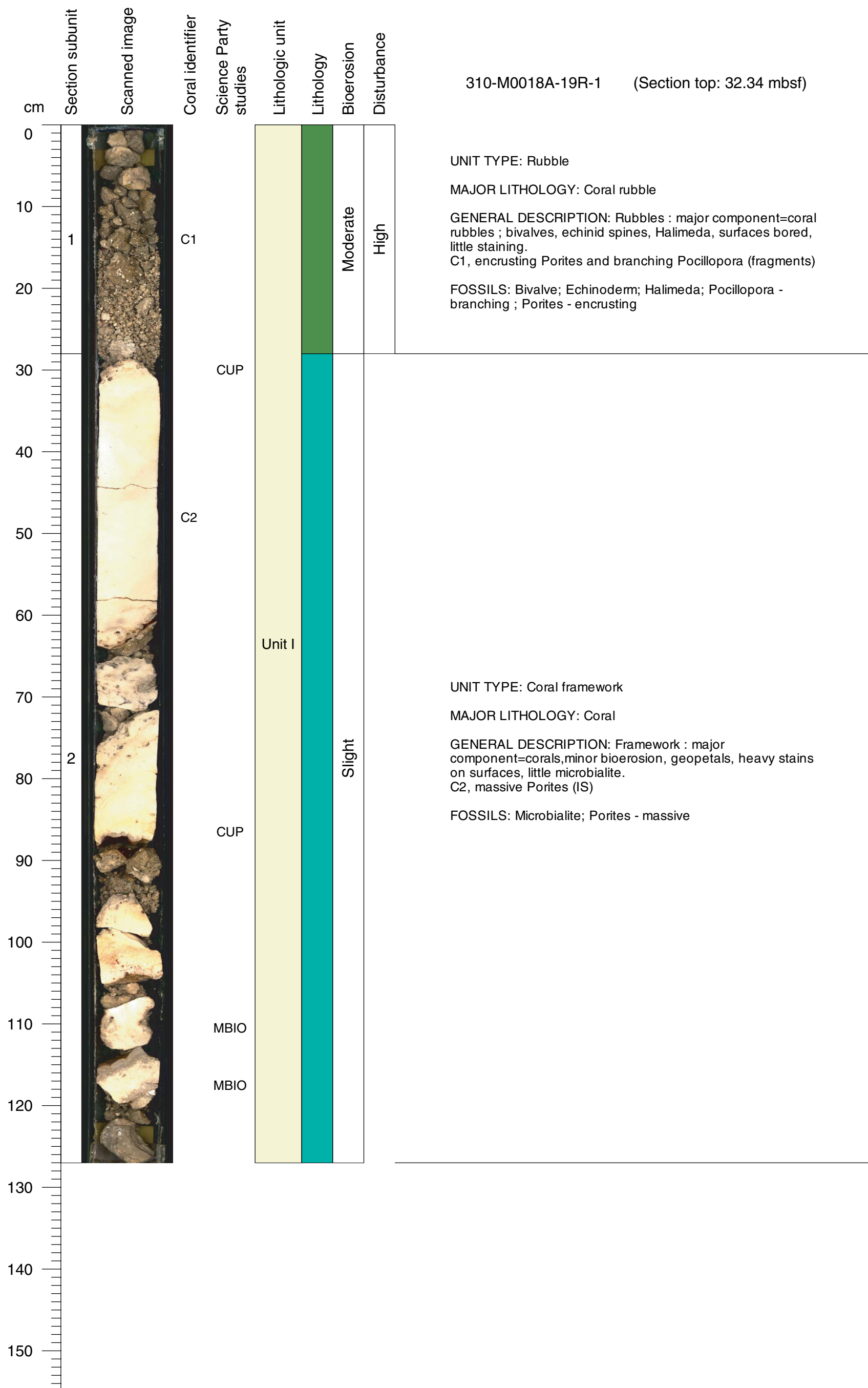


**Core Photo**



Core Photo

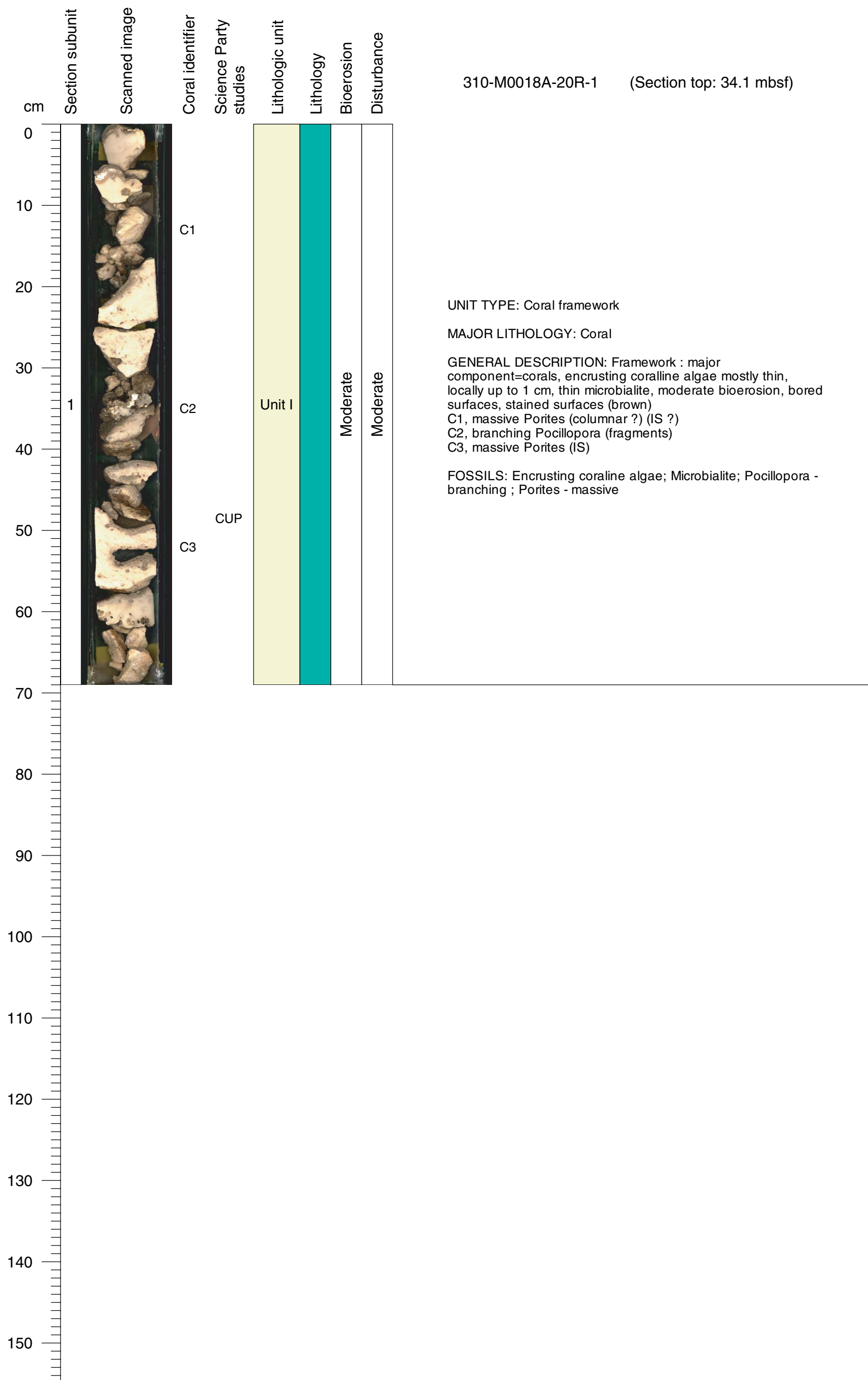
310-M0018A-19R-1 (Section top: 32.34 mbsf)





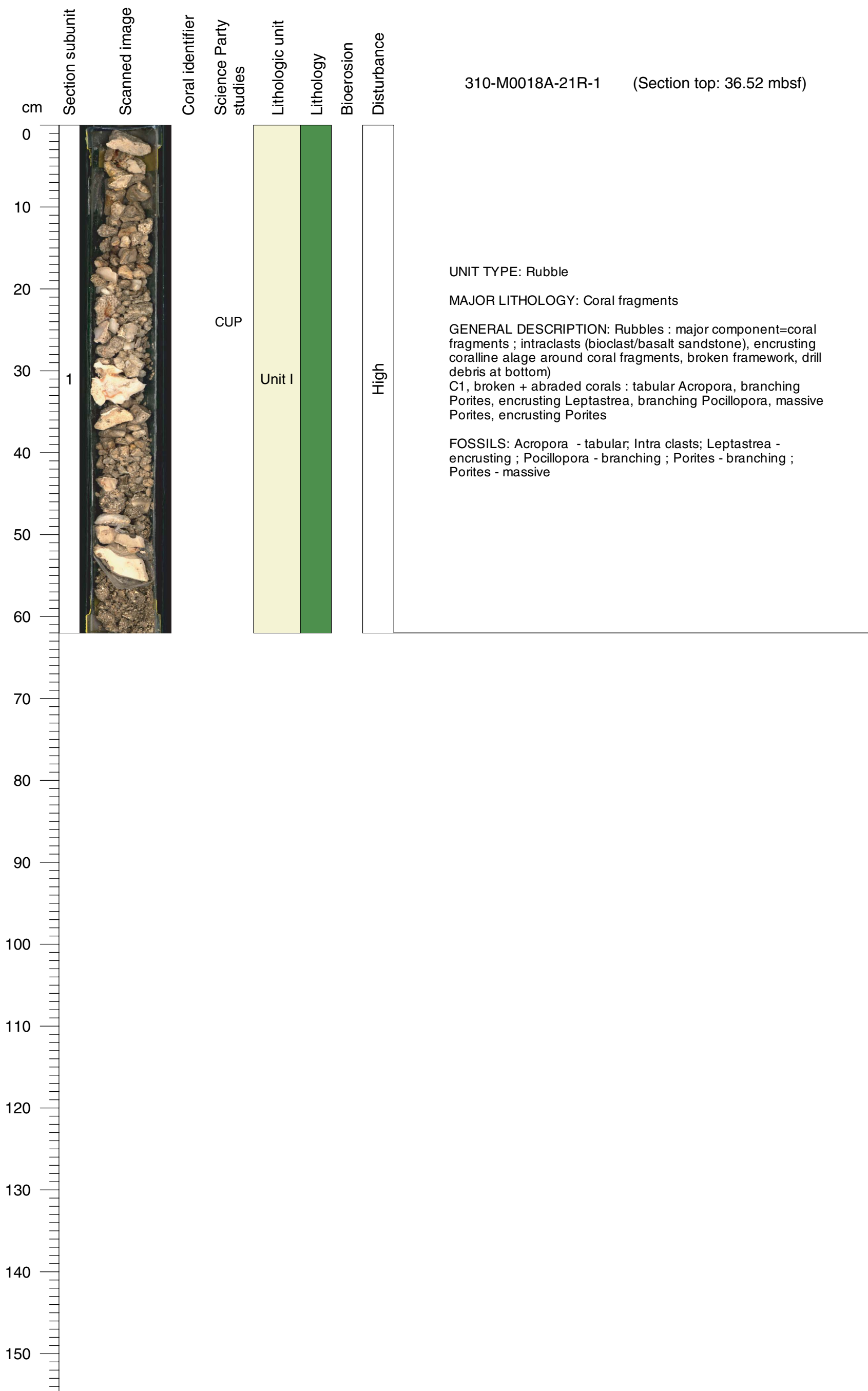
**Core Photo**

310-M0018A-20R-1 (Section top: 34.1 mbsf)

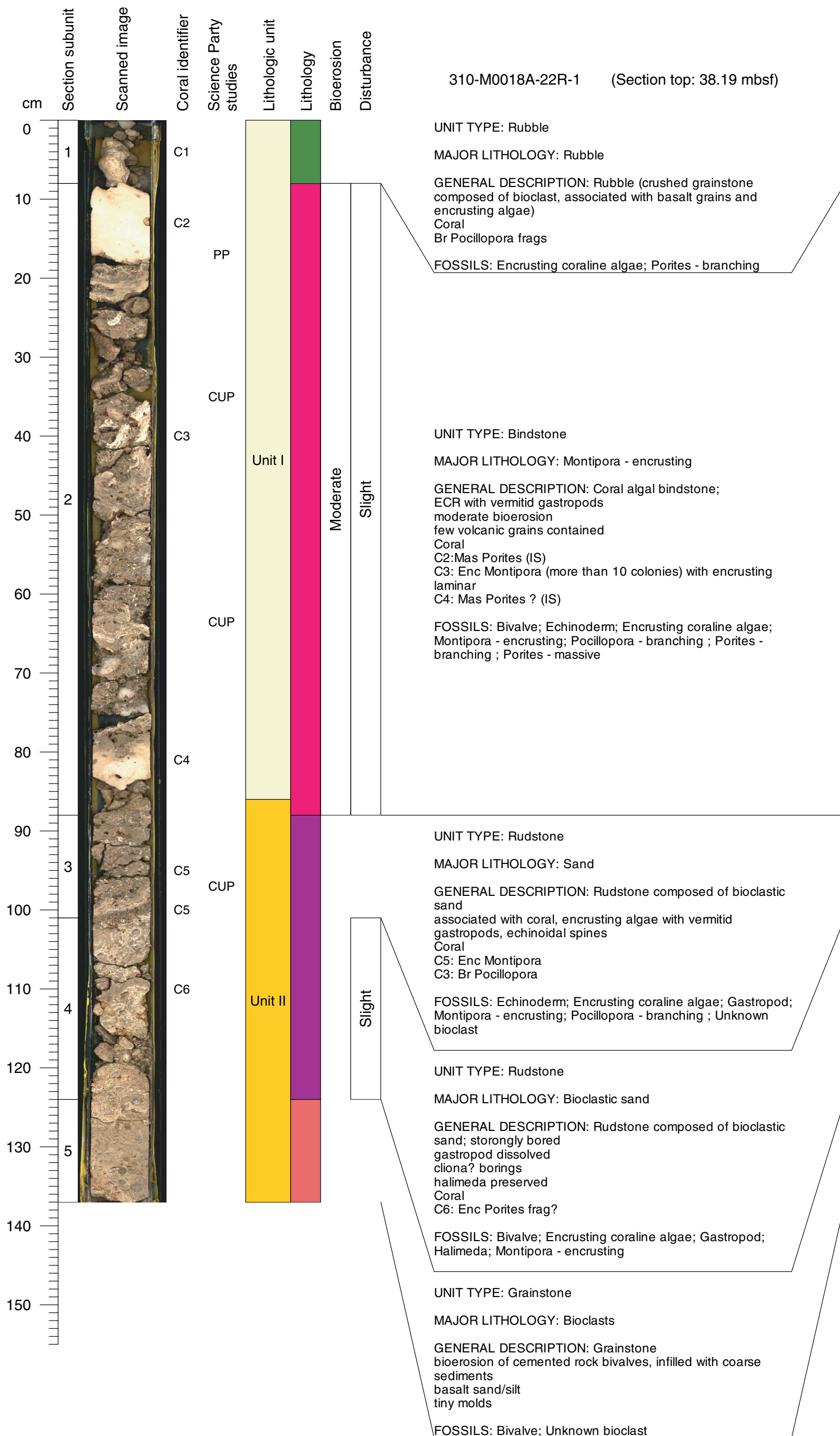


Core Photo

310-M0018A-21R-1 (Section top: 36.52 mbsf)



Core Photo



**Core Photo**

