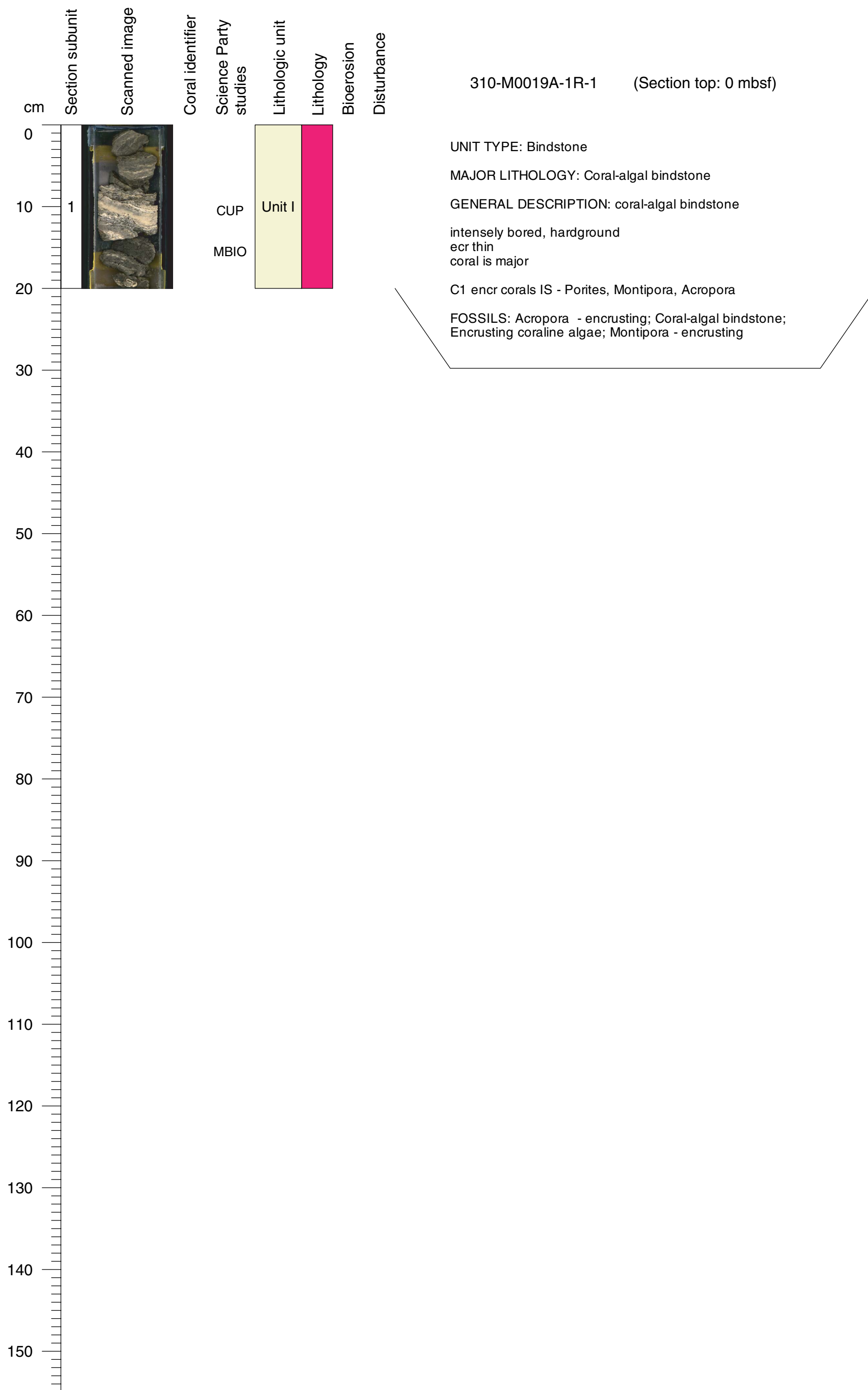
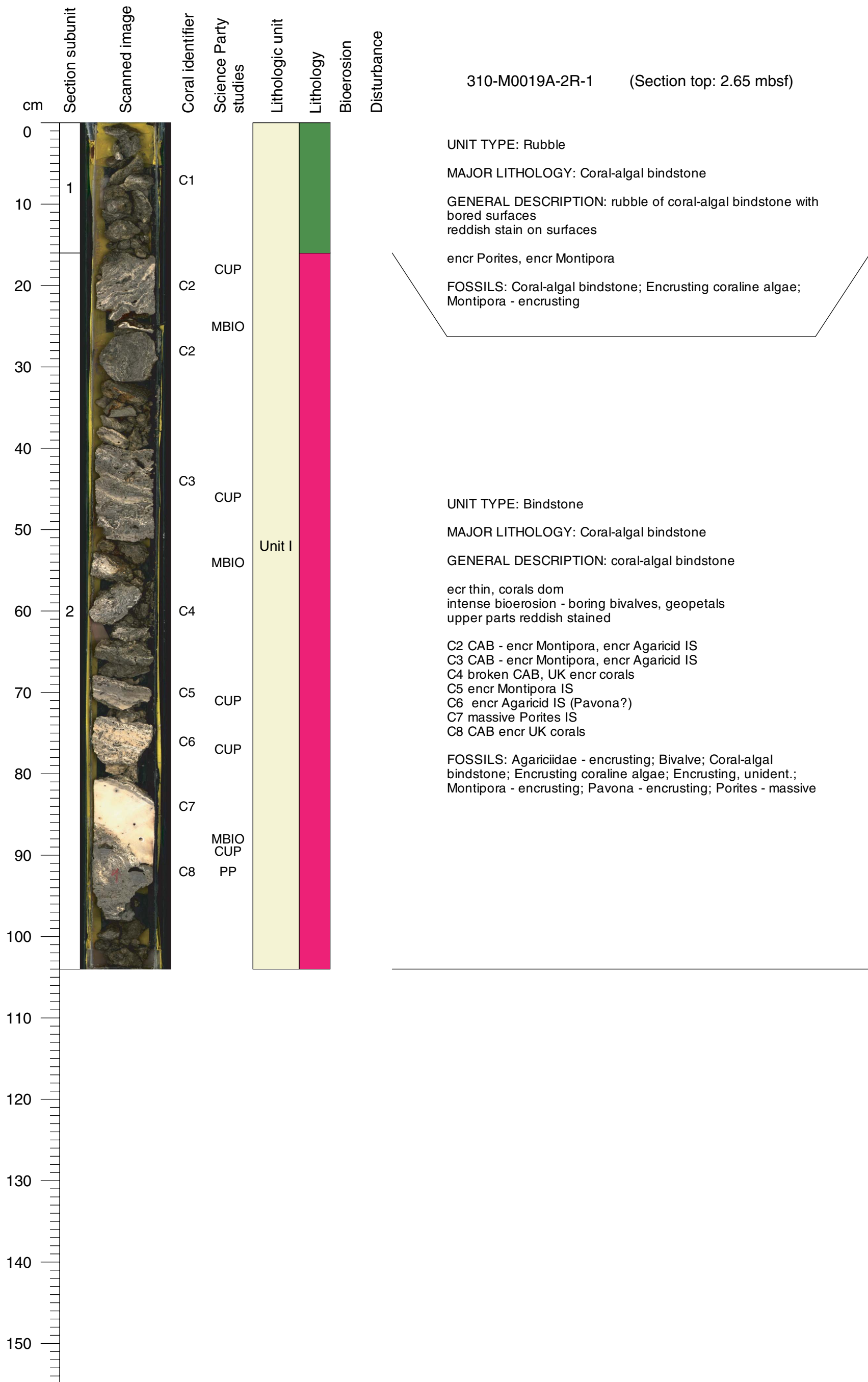


**Core Photo**



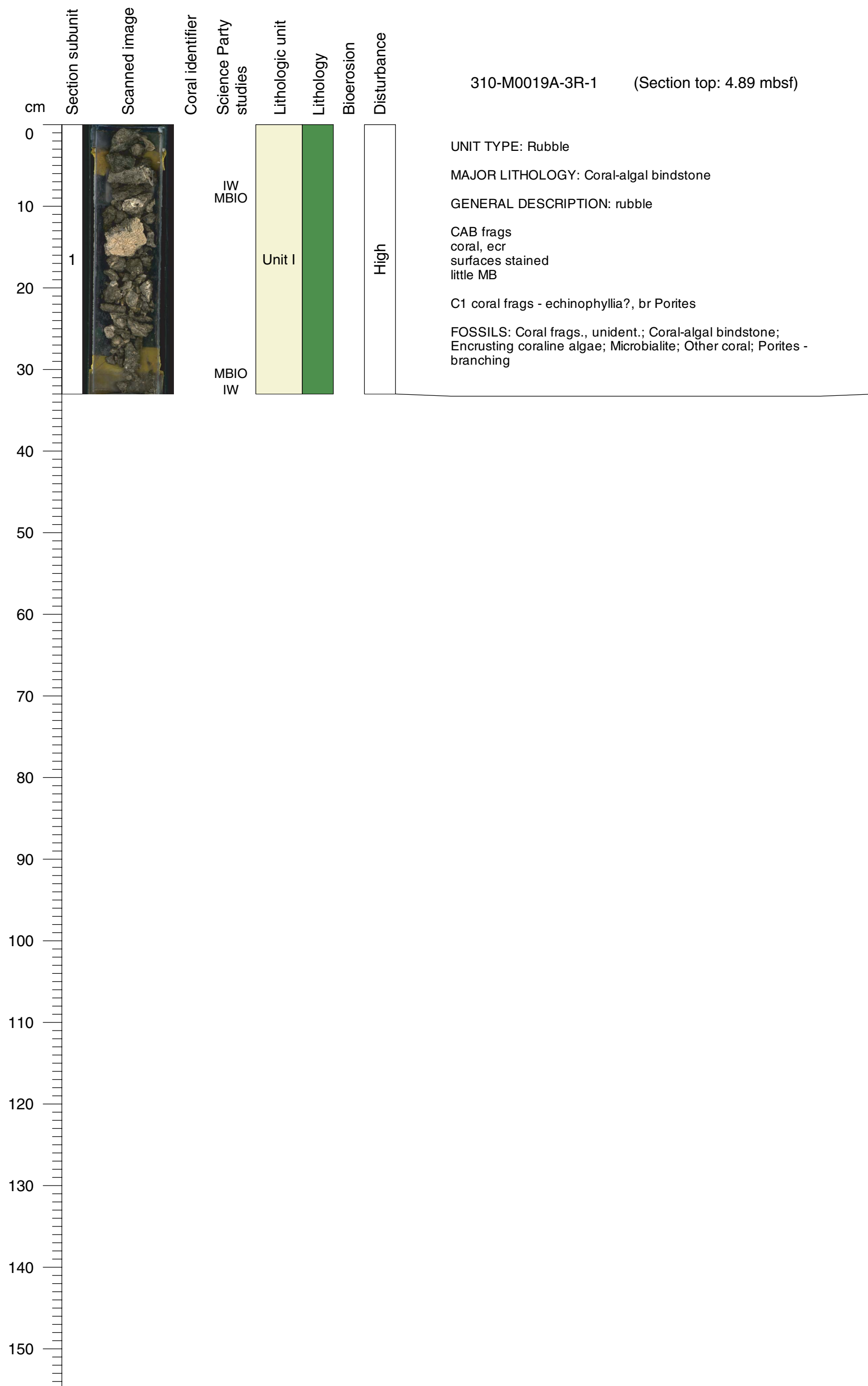
Core Photo

310-M0019A-2R-1 (Section top: 2.65 mbsf)



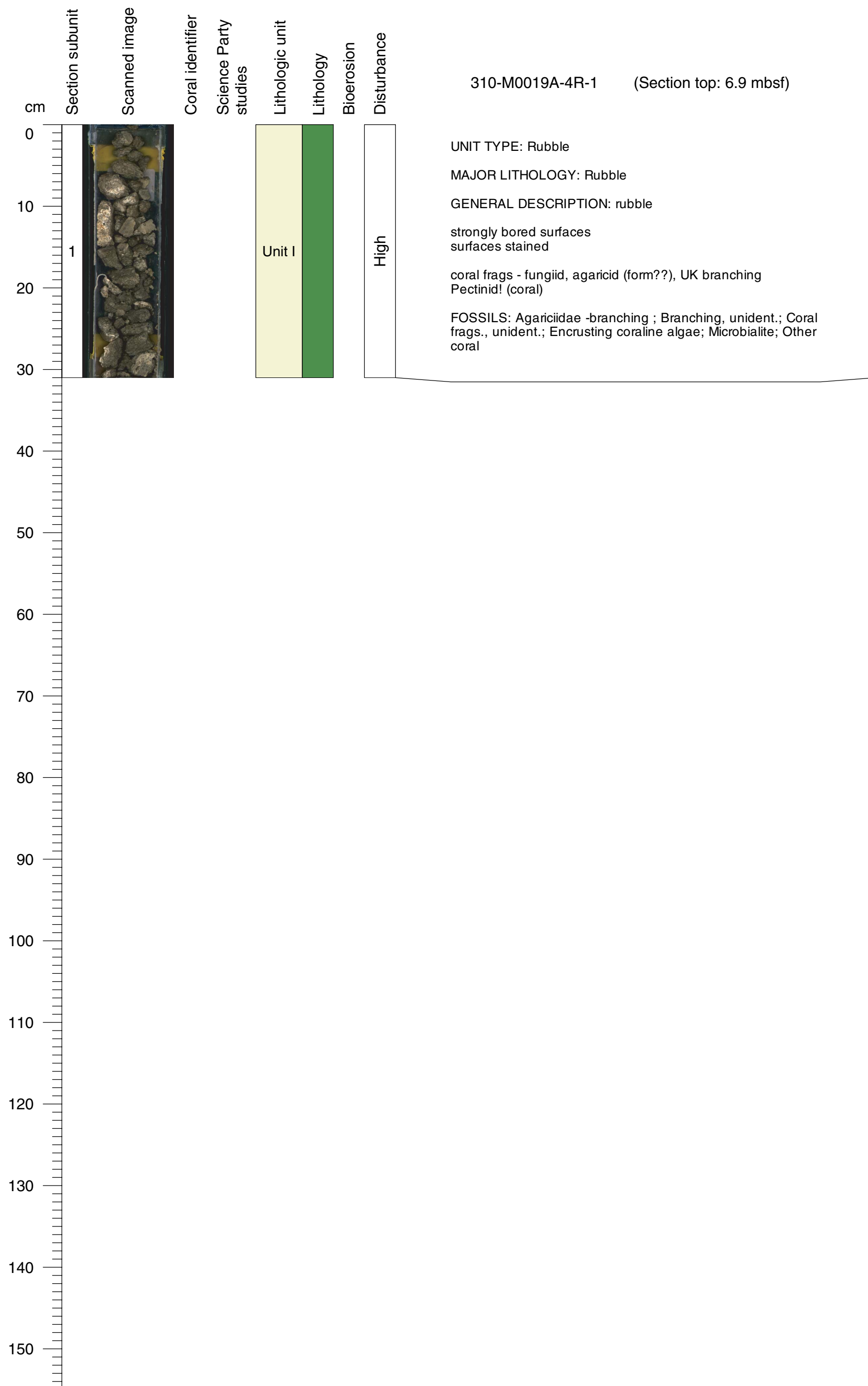
Core Photo

310-M0019A-3R-1 (Section top: 4.89 mbsf)

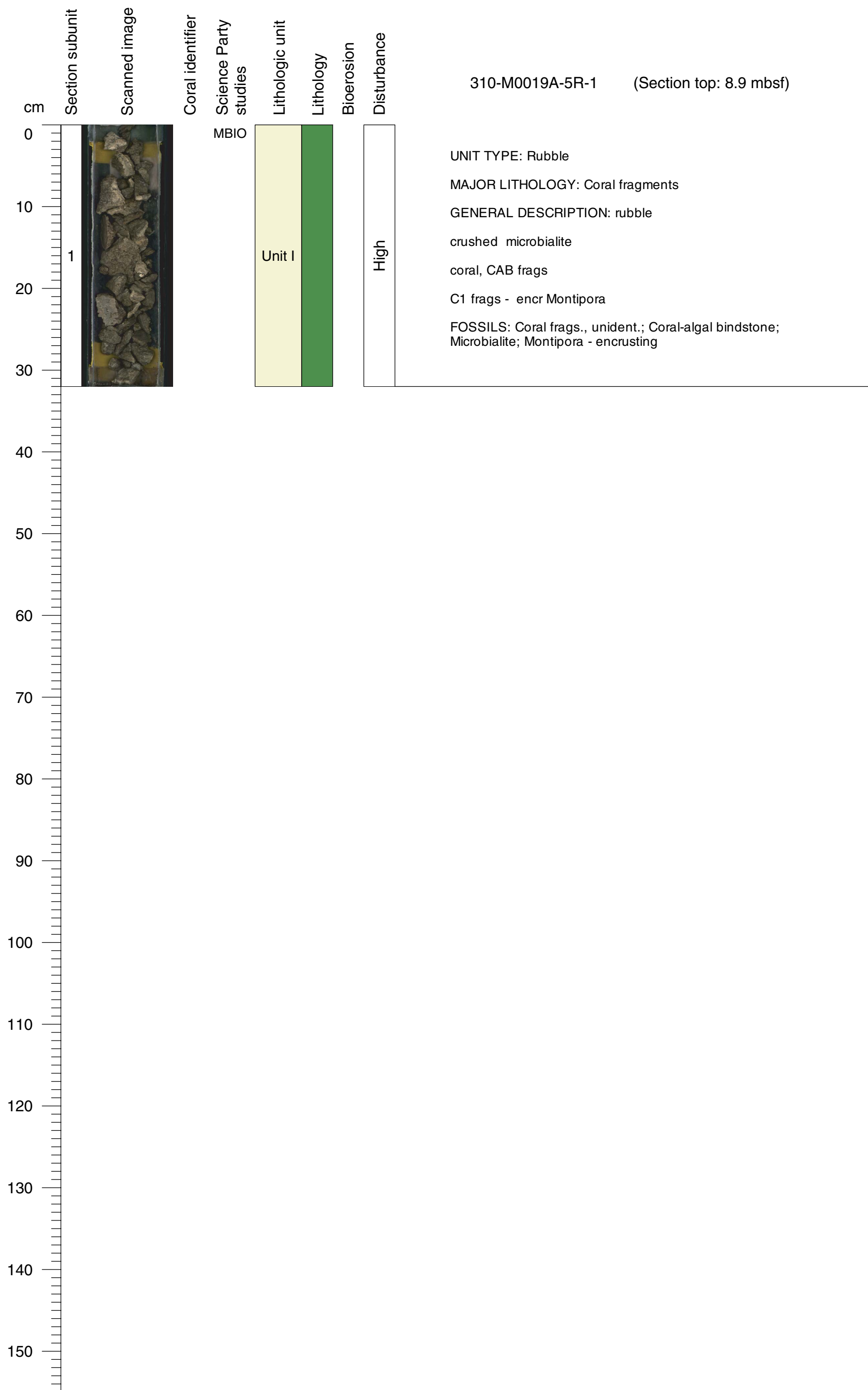


**Core Photo**

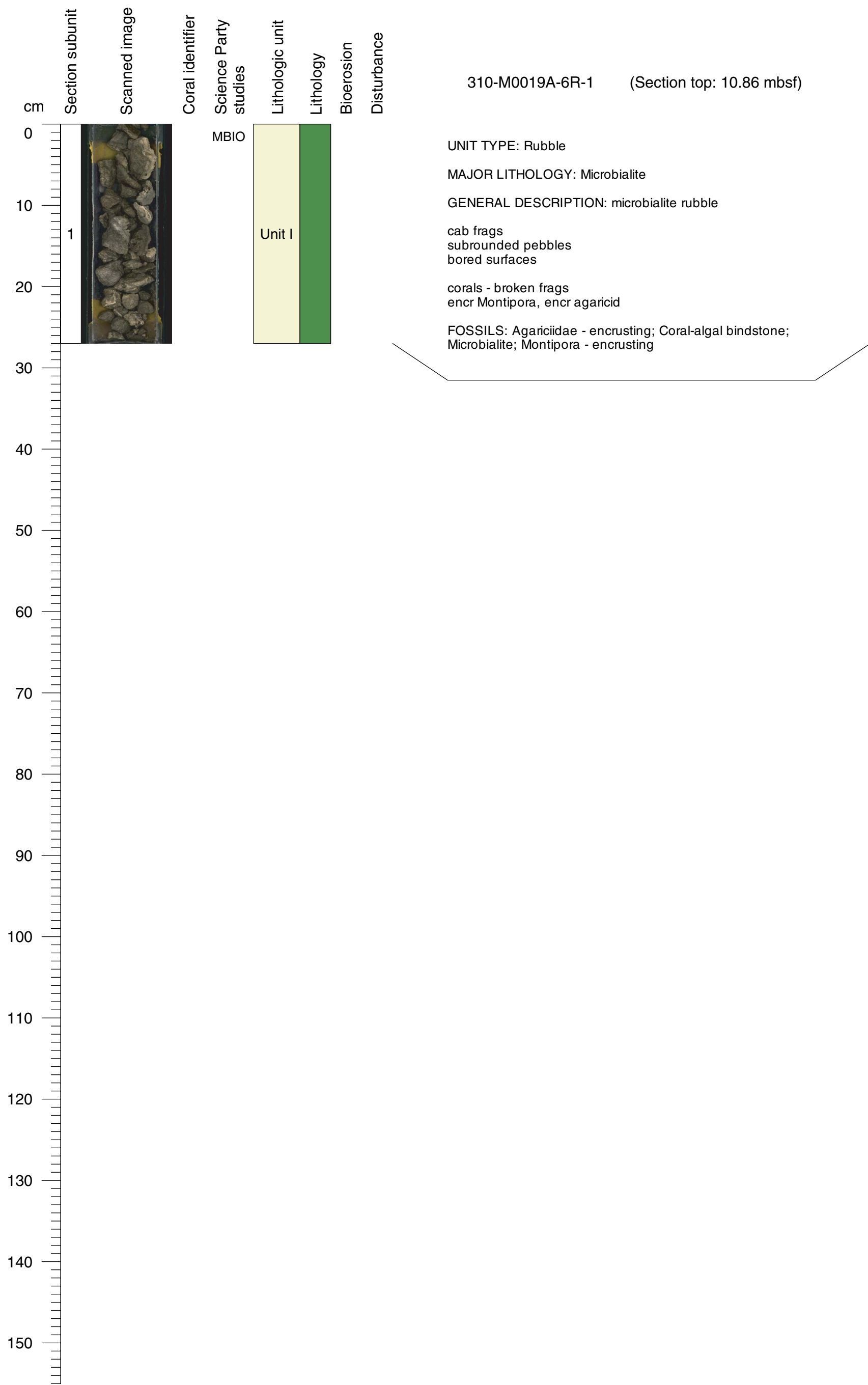
310-M0019A-4R-1 (Section top: 6.9 mbsf)



**Core Photo**

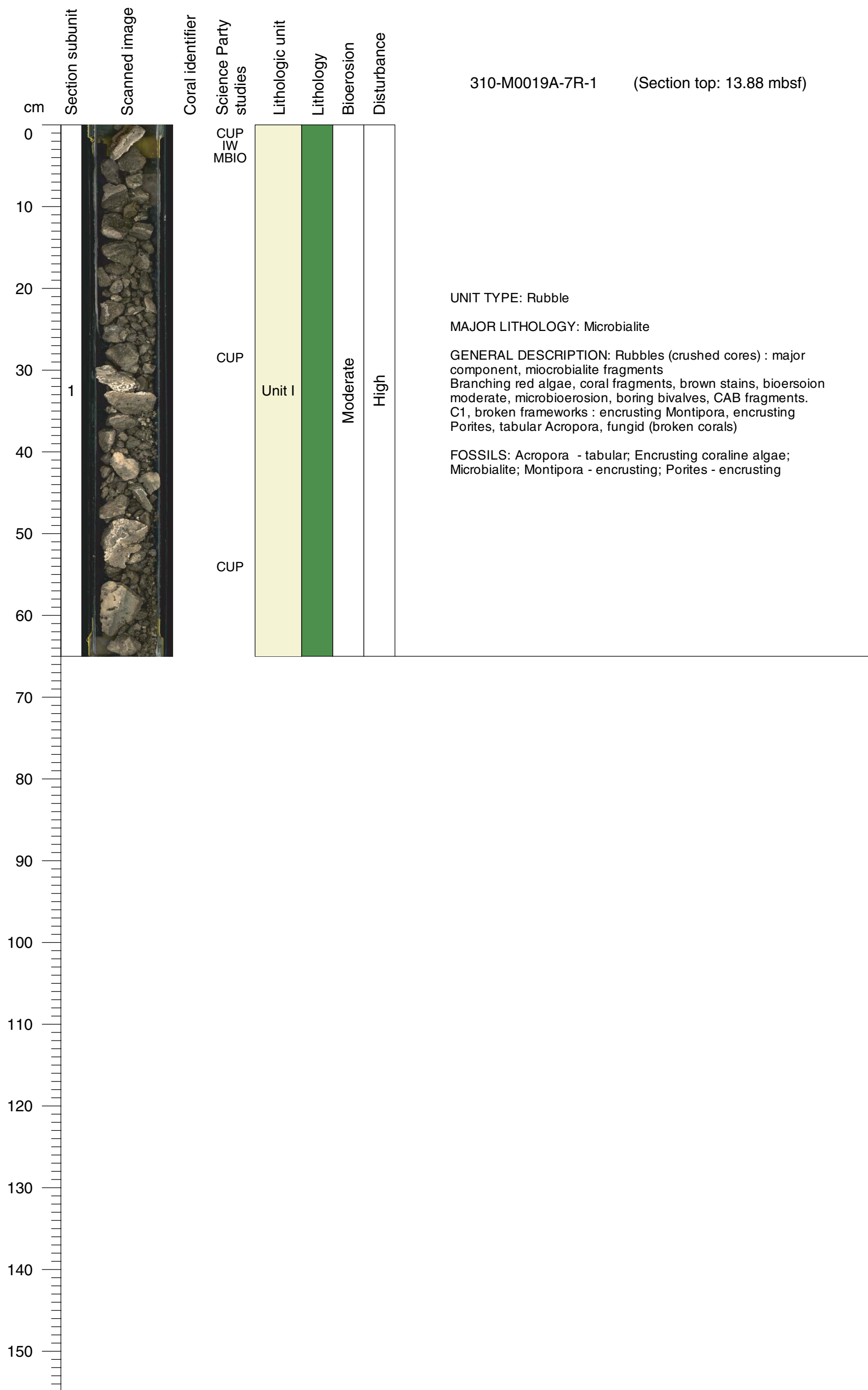


**Core Photo**



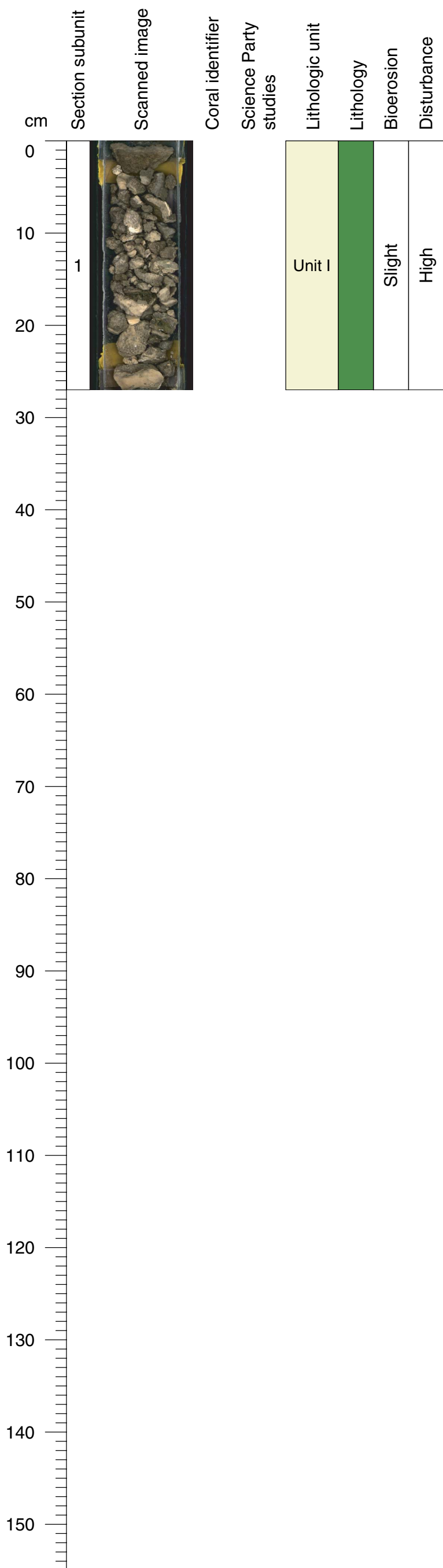
Core Photo

310-M0019A-7R-1 (Section top: 13.88 mbsf)



**Core Photo**

310-M0019A-8R-1 (Section top: 16.9 mbsf)



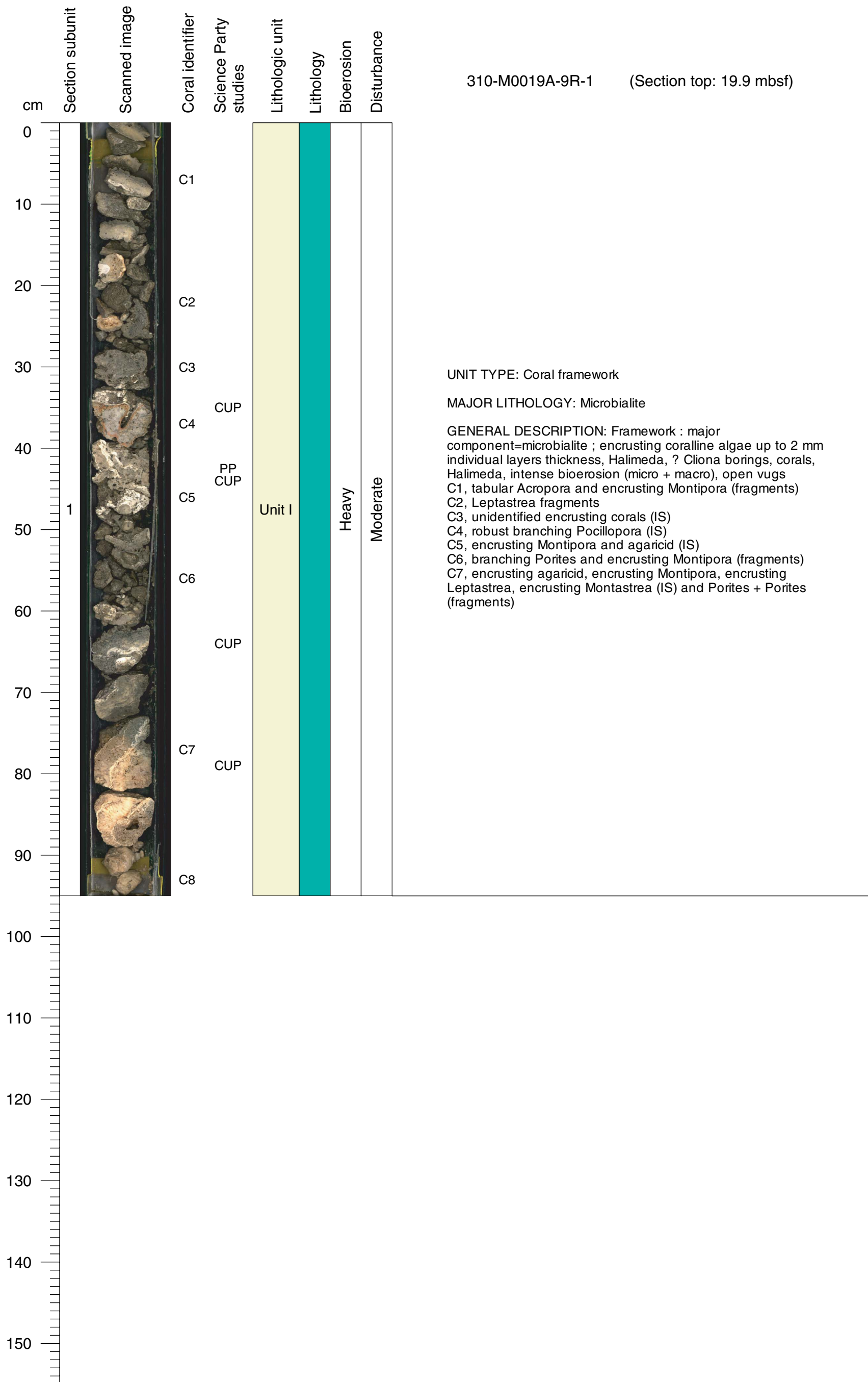
UNIT TYPE: Rubble  
 MAJOR LITHOLOGY: Microbialite  
 GENERAL DESCRIPTION: "Rubbles" (crushed core) : major component=microbialite fragments ; corals, variable bioerosion, stained surfaces.  
 C1, broken coral fragments fragments : encrusting Montipora, agaricid (Pavona ?), encrusting Leptastrea, tabular Acropora.  
 FOSSILS: Acropora - tabular; Agariciidae - encrusting; Leptastrea - encrusting ; Microbialite; Montipora - encrusting





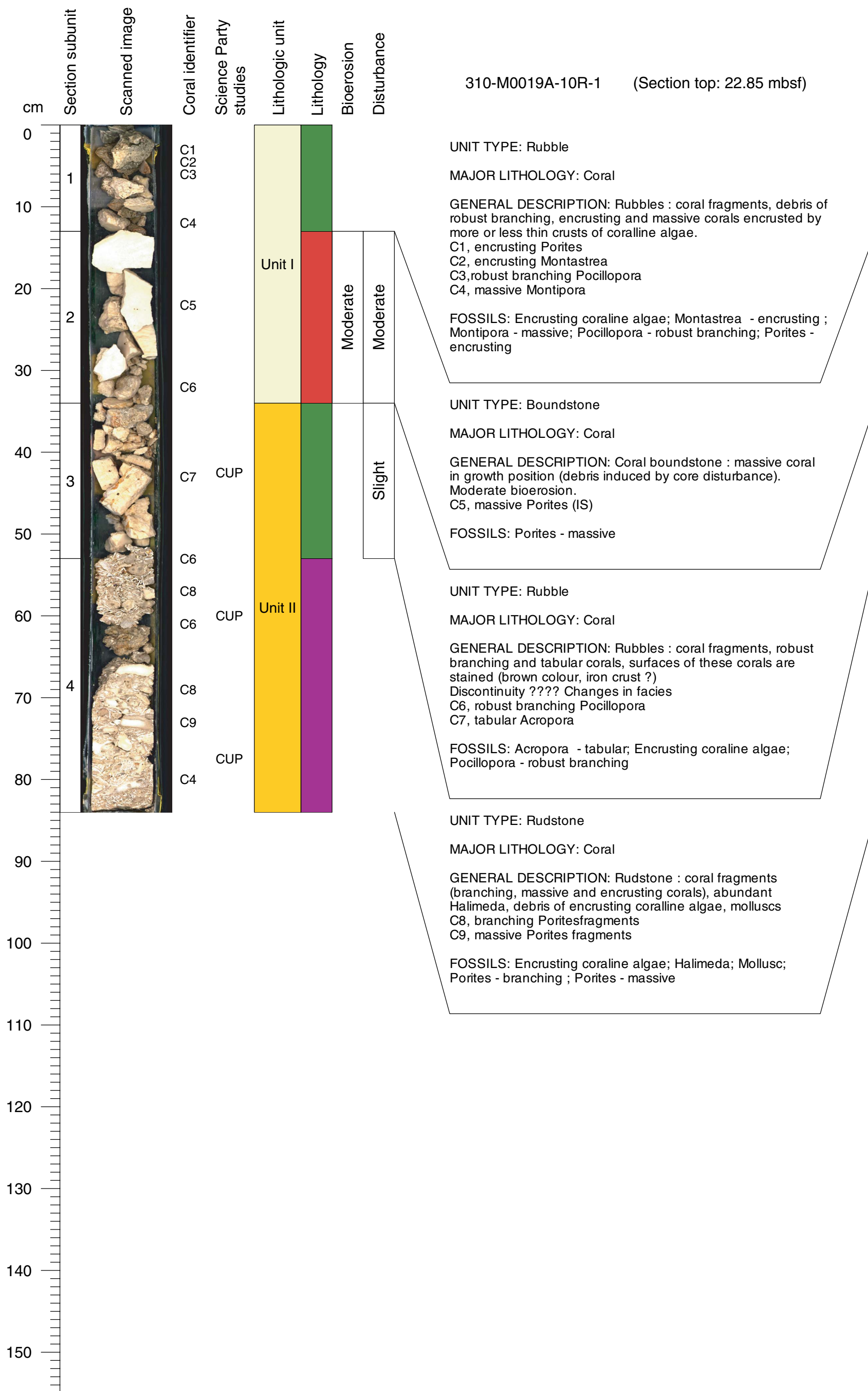
Core Photo

310-M0019A-9R-1 (Section top: 19.9 mbsf)

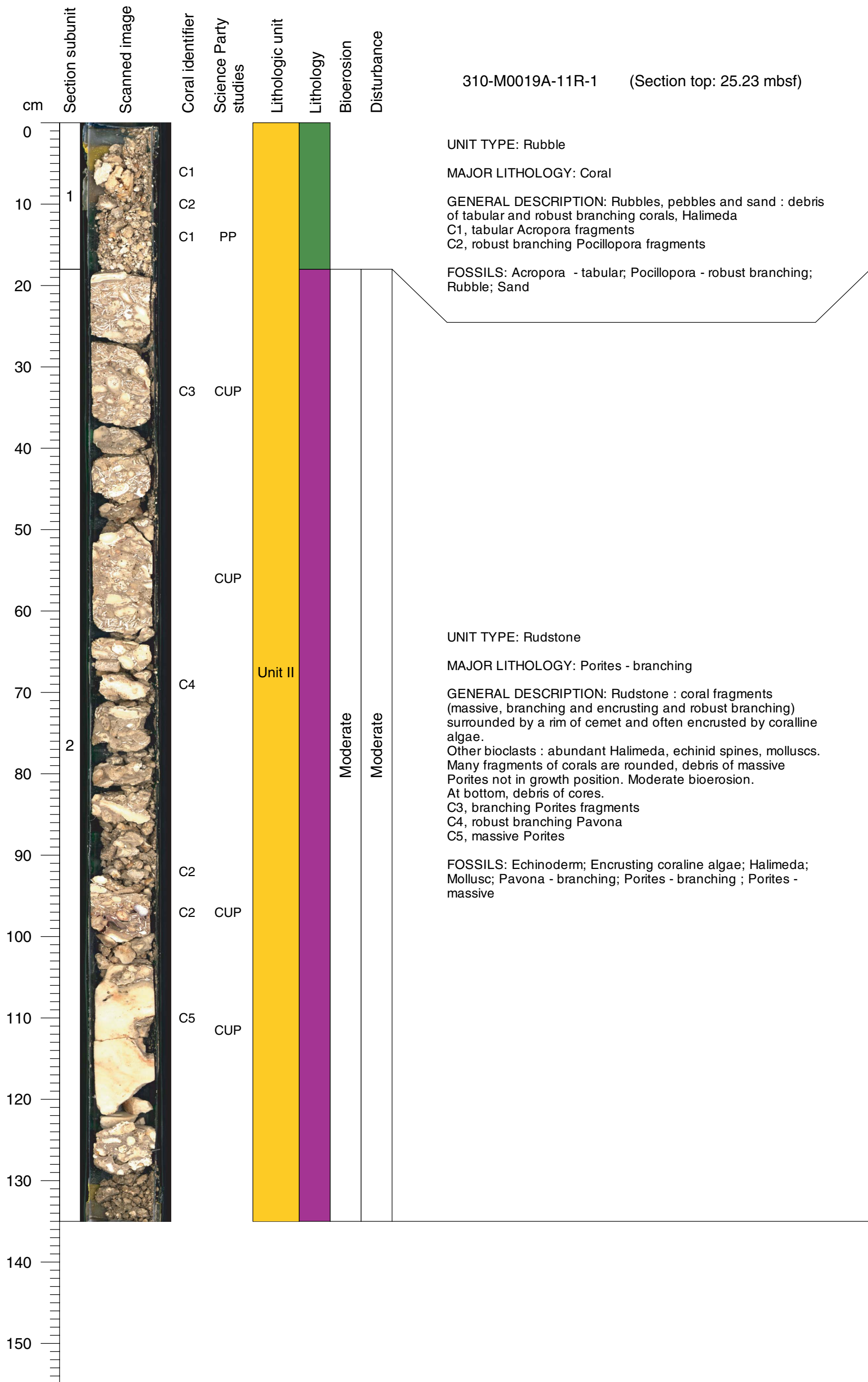


Core Photo

310-M0019A-10R-1 (Section top: 22.85 mbsf)

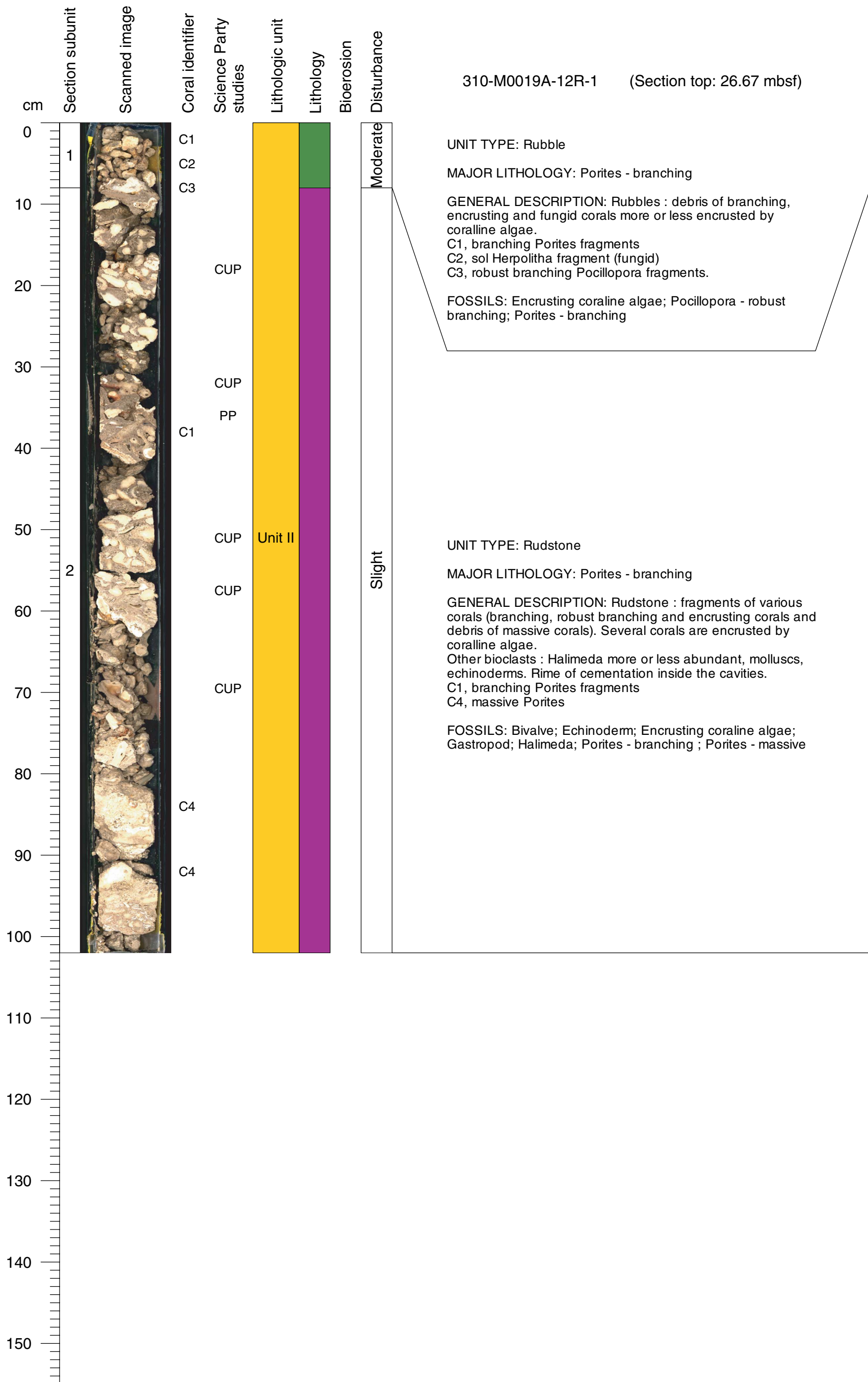


Core Photo



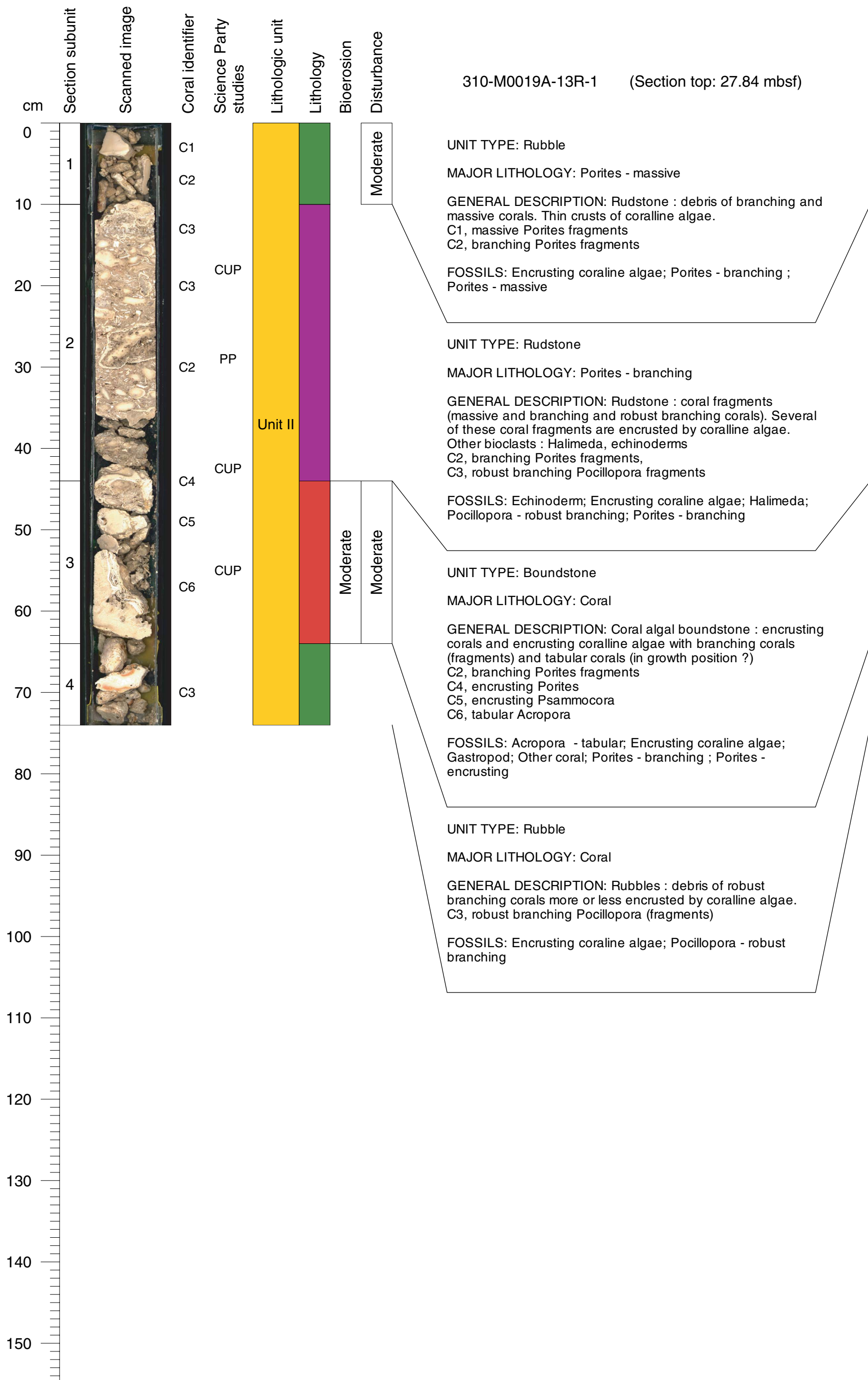
Core Photo

310-M0019A-12R-1 (Section top: 26.67 mbsf)



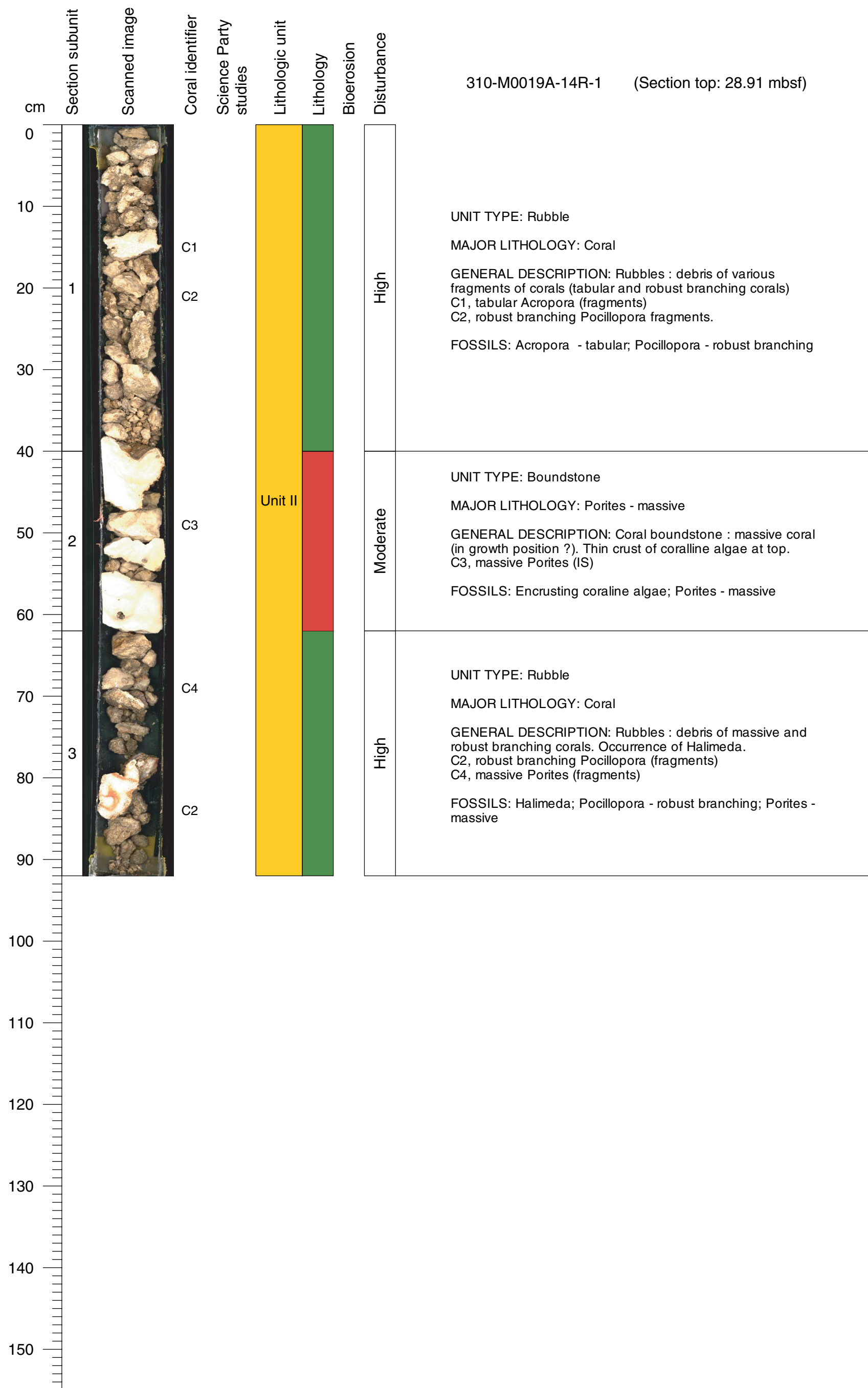
Core Photo

310-M0019A-13R-1 (Section top: 27.84 mbsf)

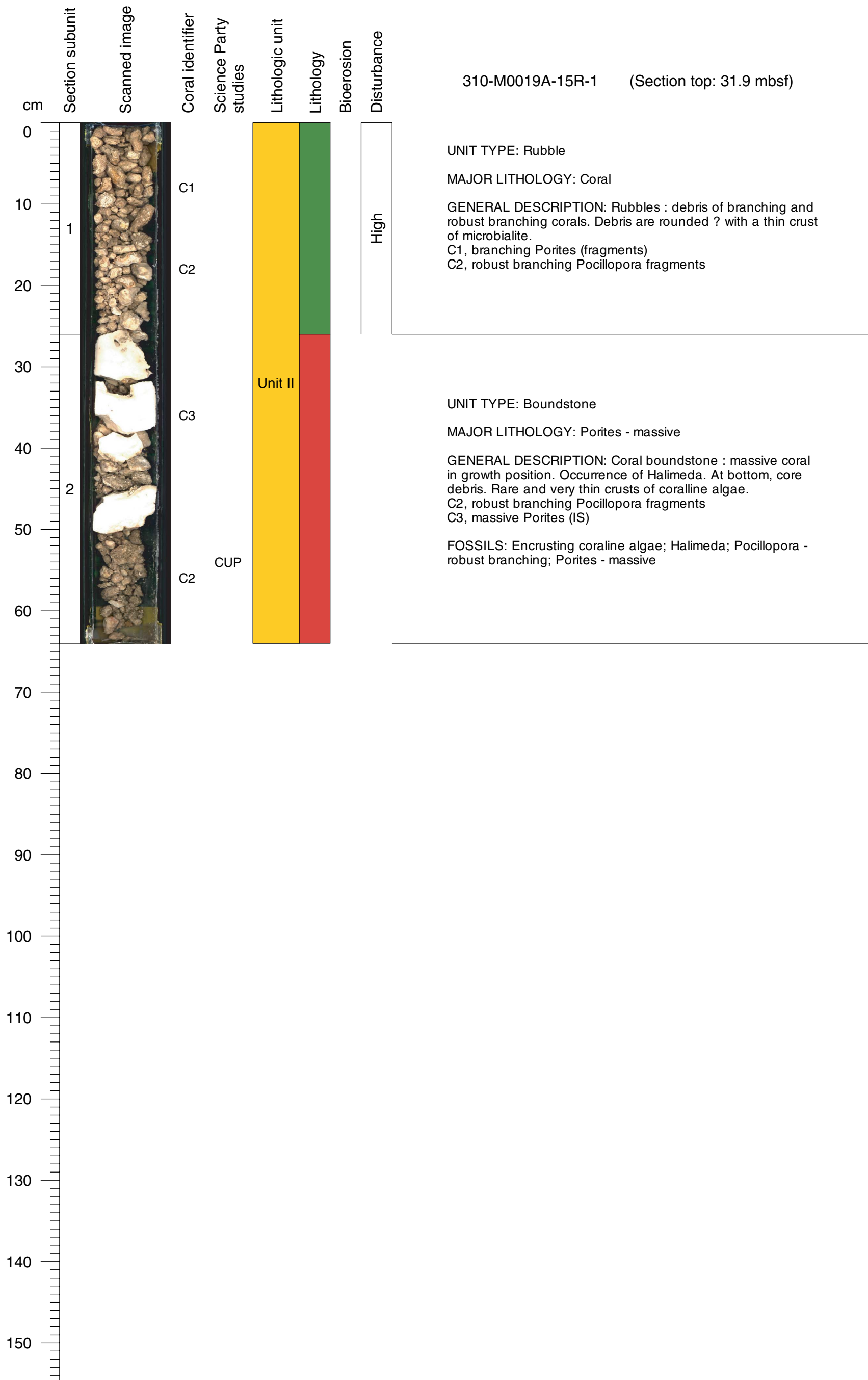


Core Photo

310-M0019A-14R-1 (Section top: 28.91 mbsf)

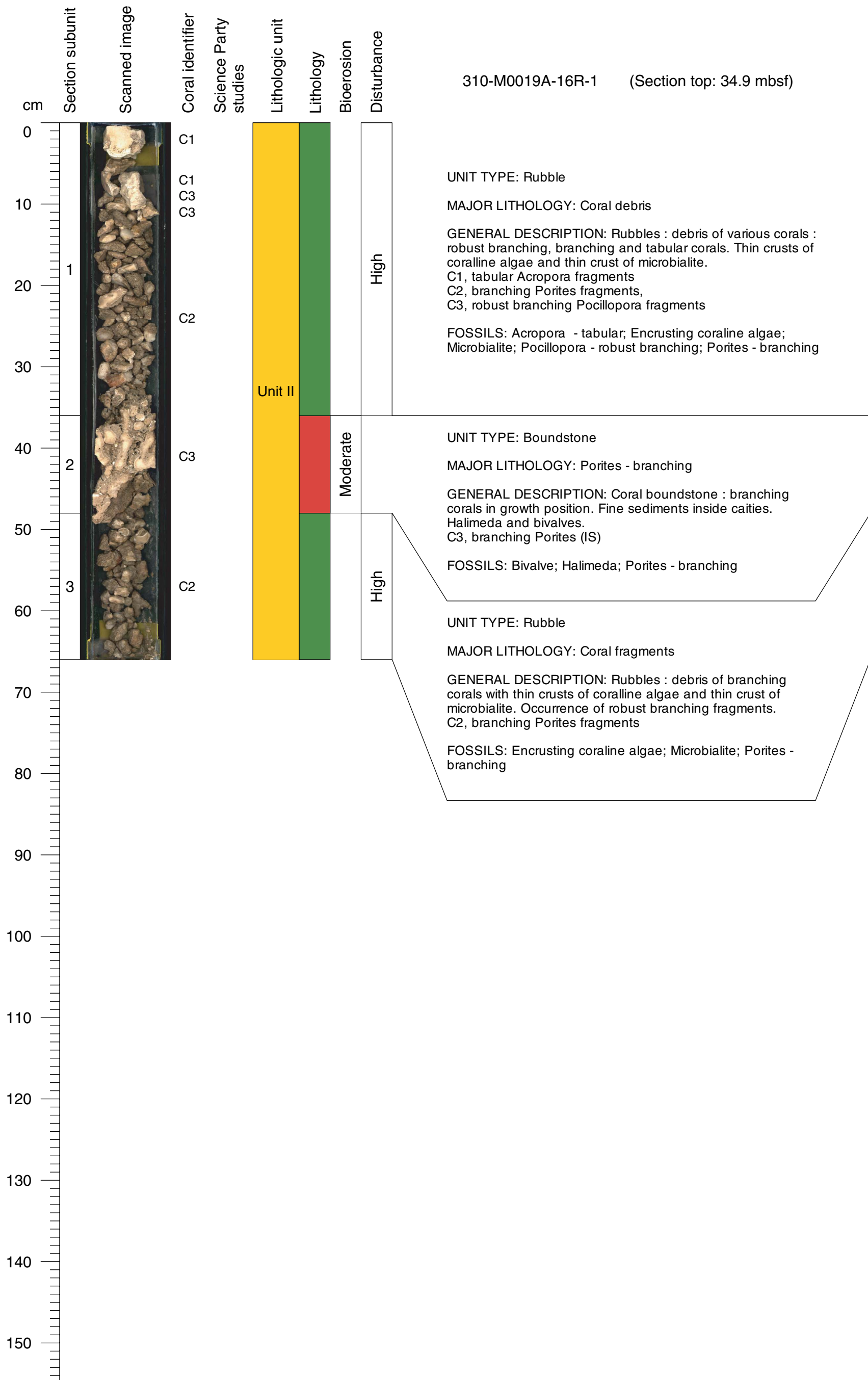


**Core Photo**



Core Photo

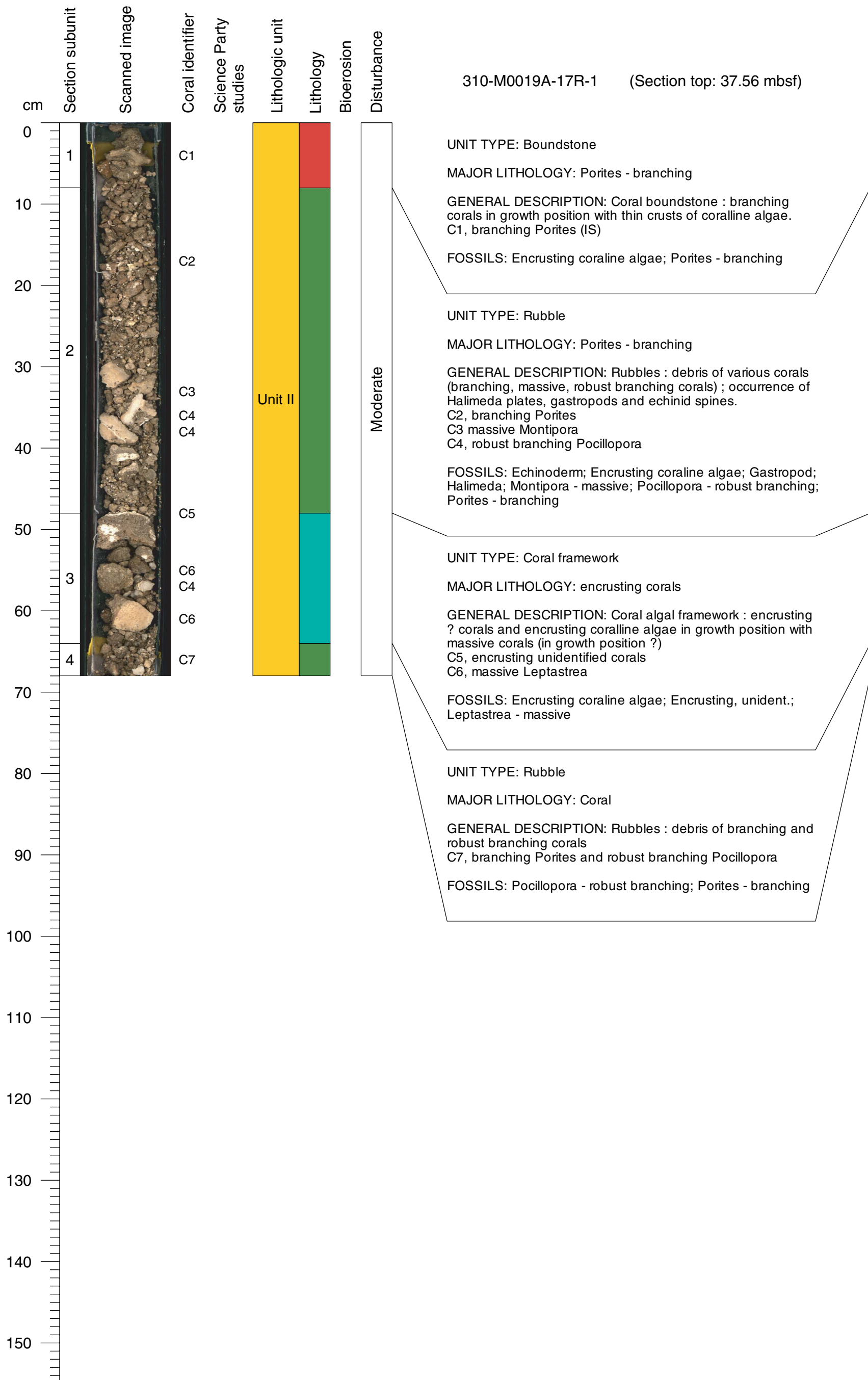
310-M0019A-16R-1 (Section top: 34.9 mbsf)



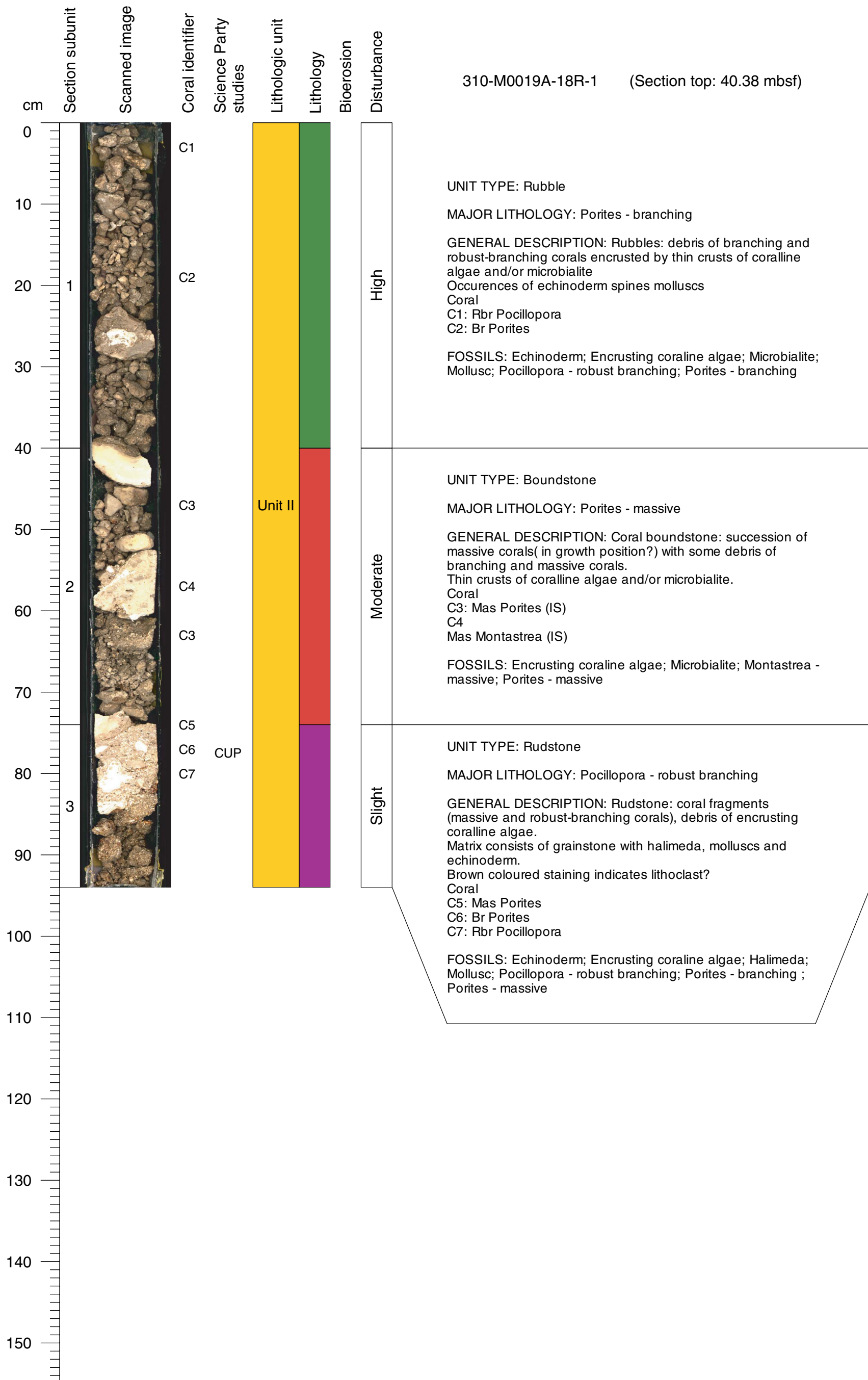


Core Photo

310-M0019A-17R-1 (Section top: 37.56 mbsf)

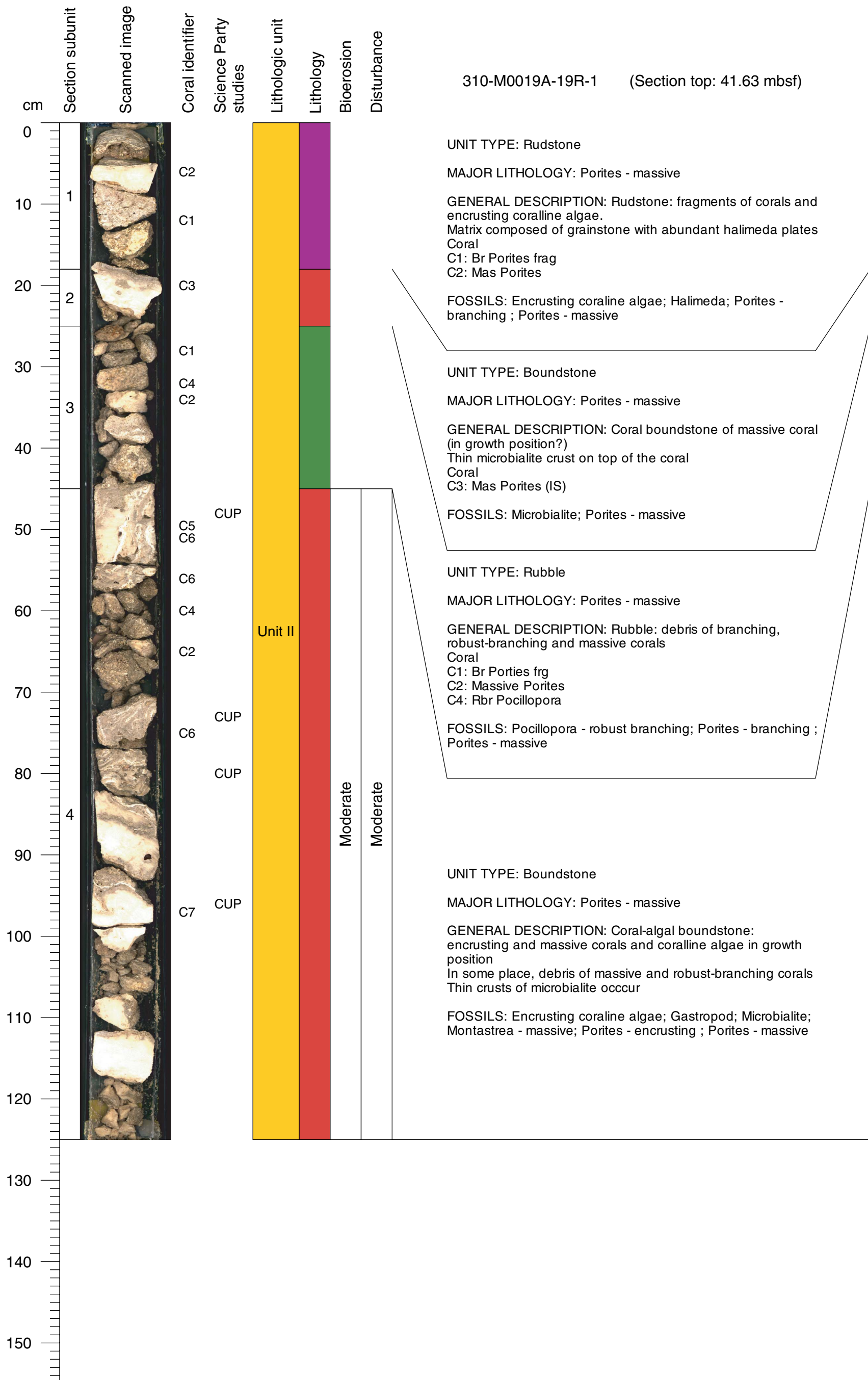


Core Photo



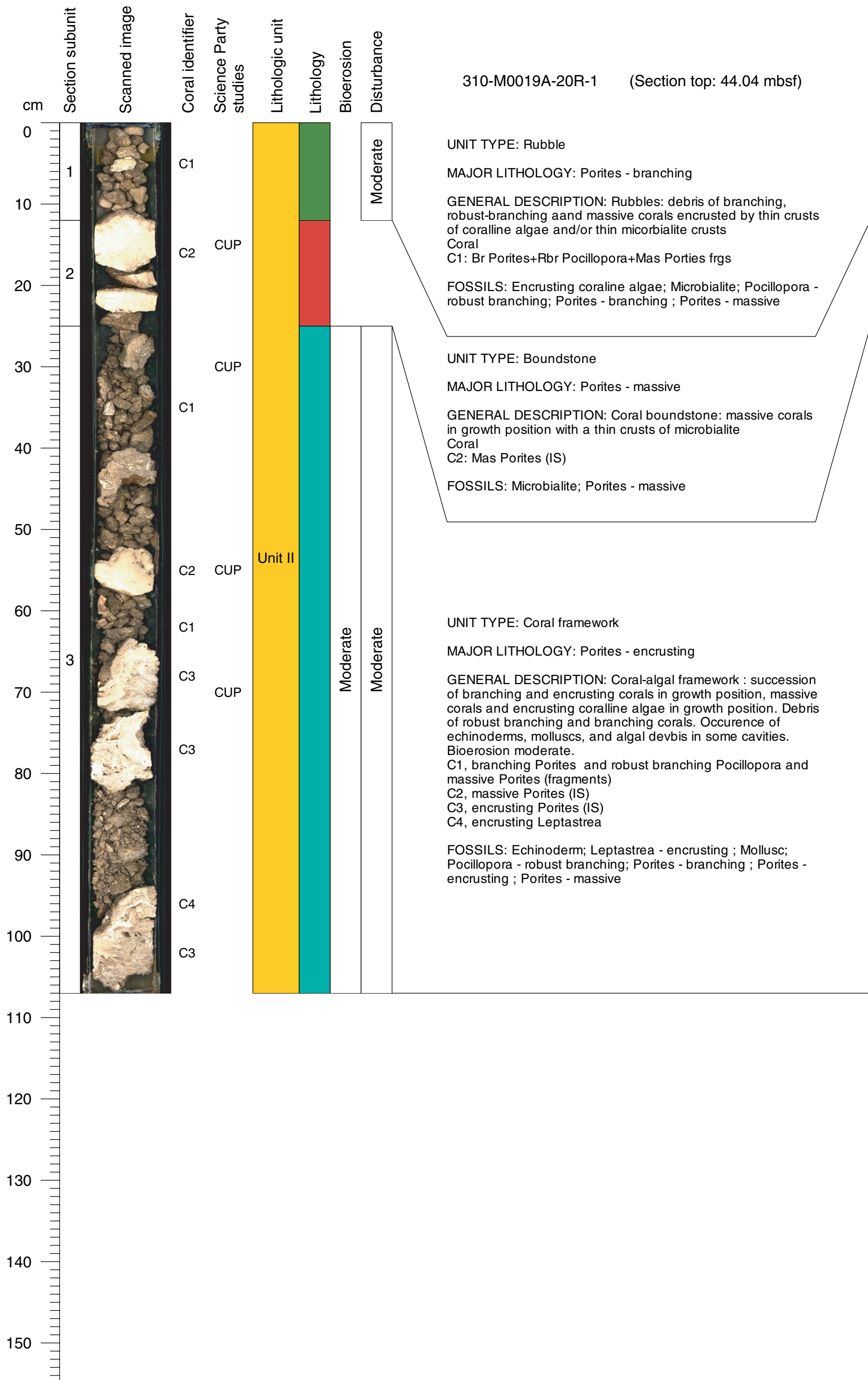
Core Photo

310-M0019A-19R-1 (Section top: 41.63 mbsf)



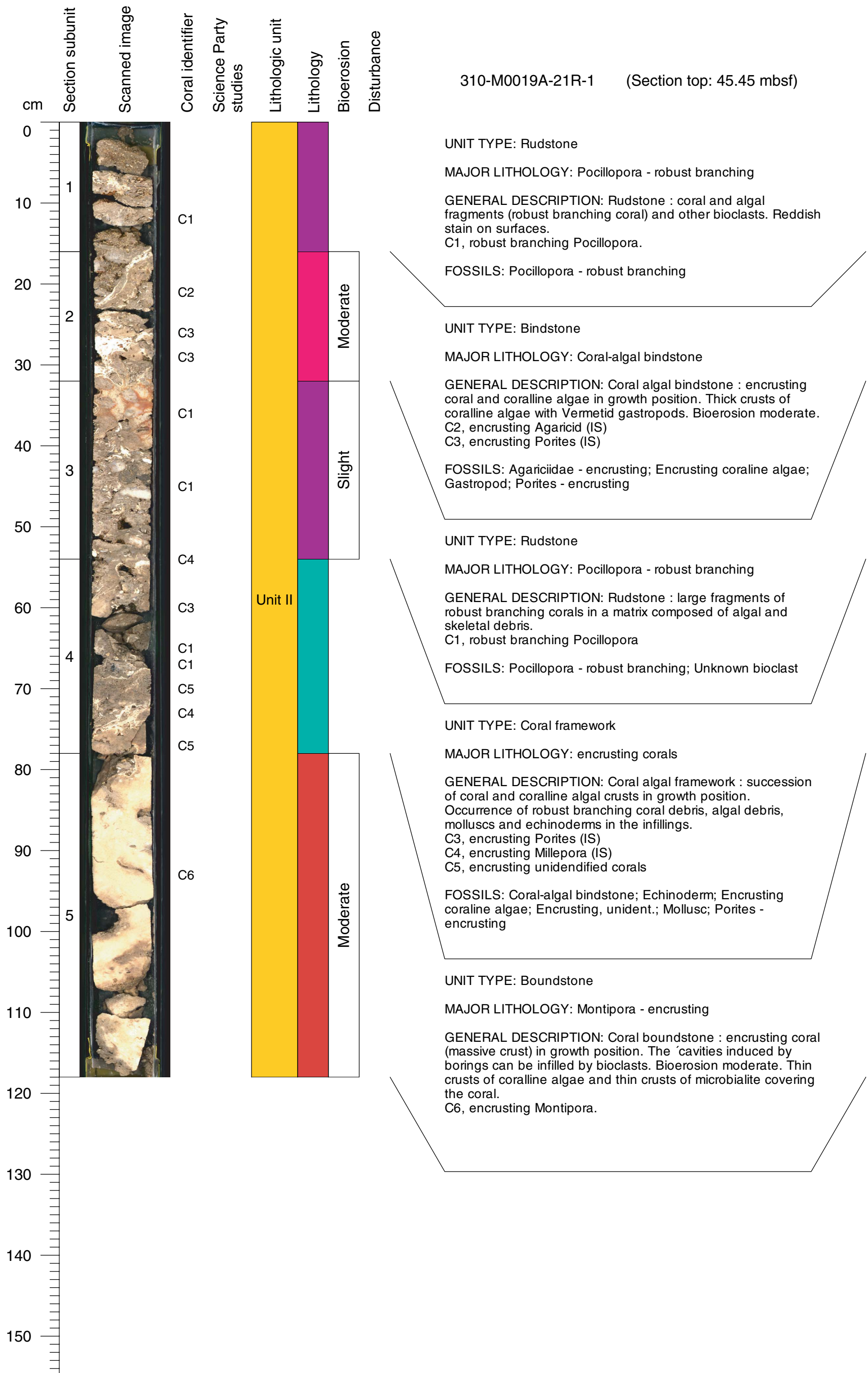
Core Photo

310-M0019A-20R-1 (Section top: 44.04 mbsf)

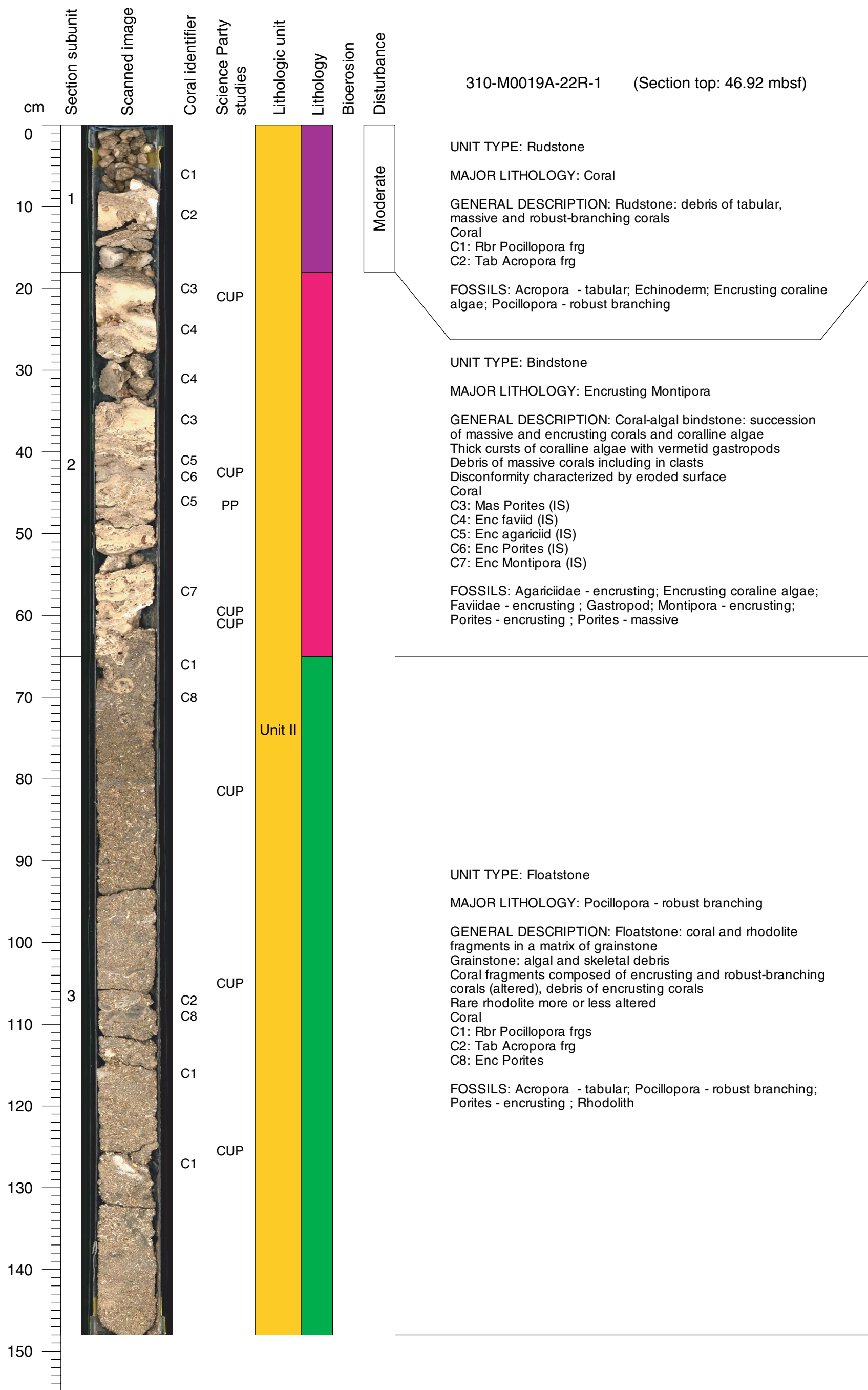


Core Photo

310-M0019A-21R-1 (Section top: 45.45 mbsf)

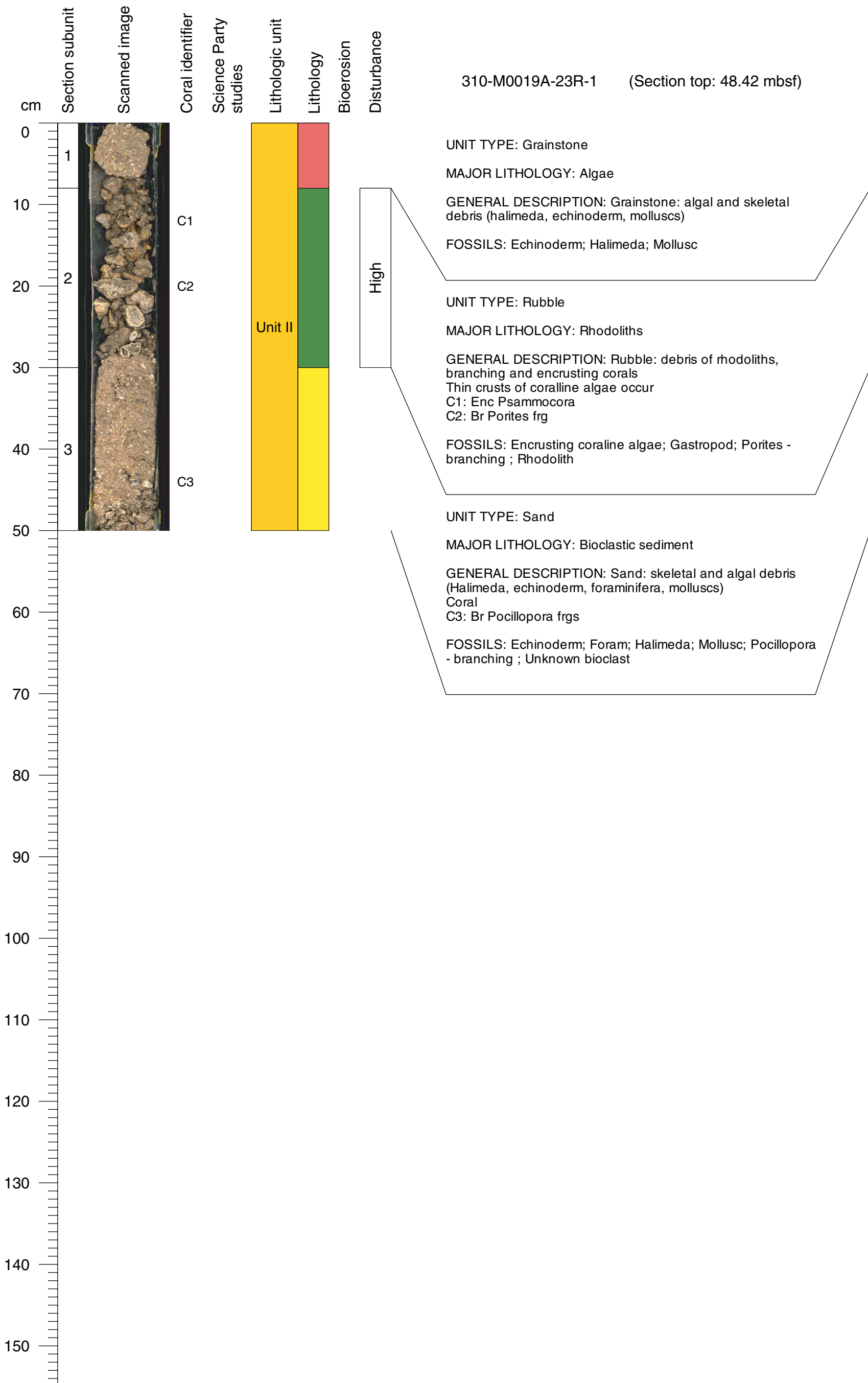


Core Photo

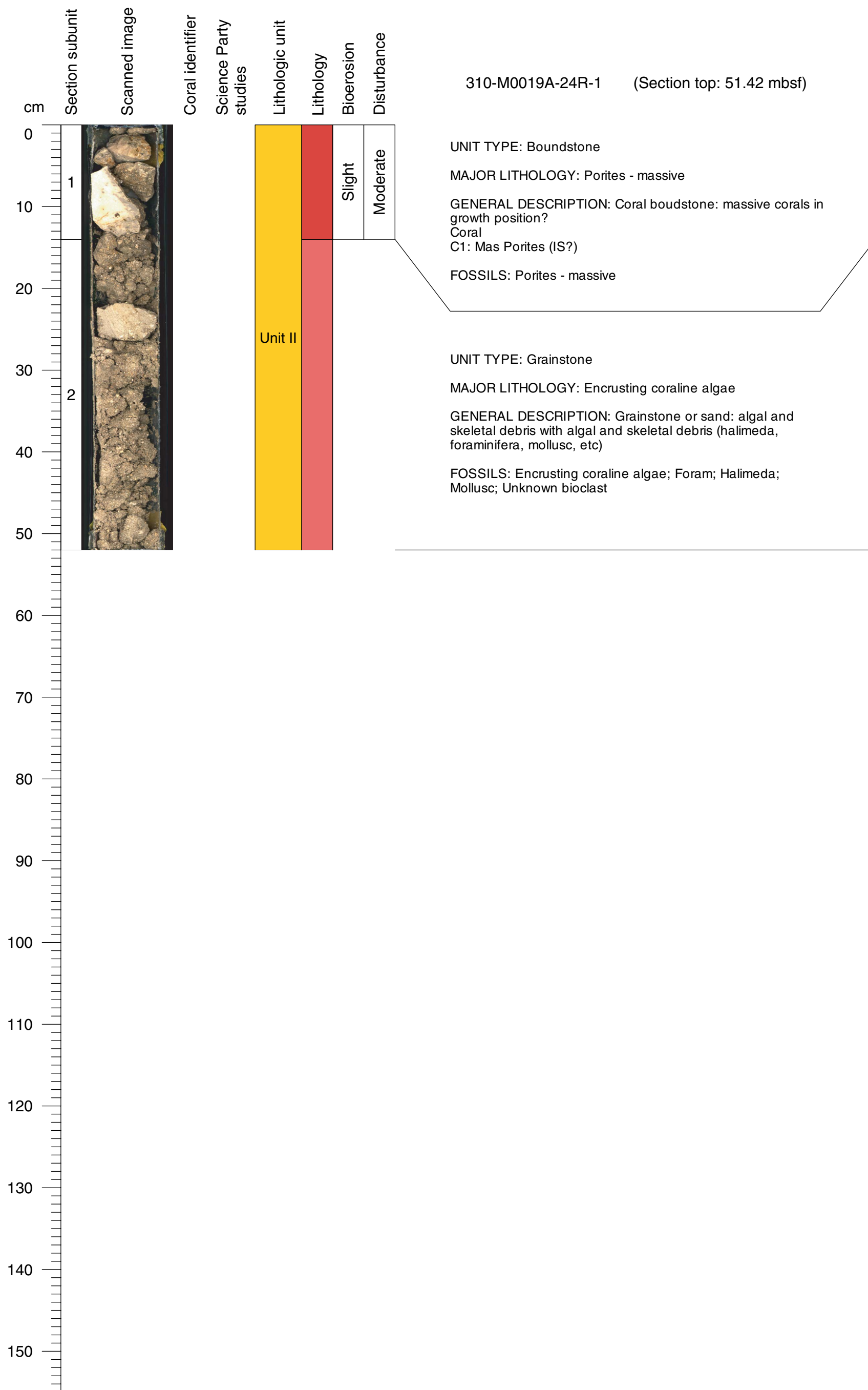


Core Photo

310-M0019A-23R-1 (Section top: 48.42 mbsf)

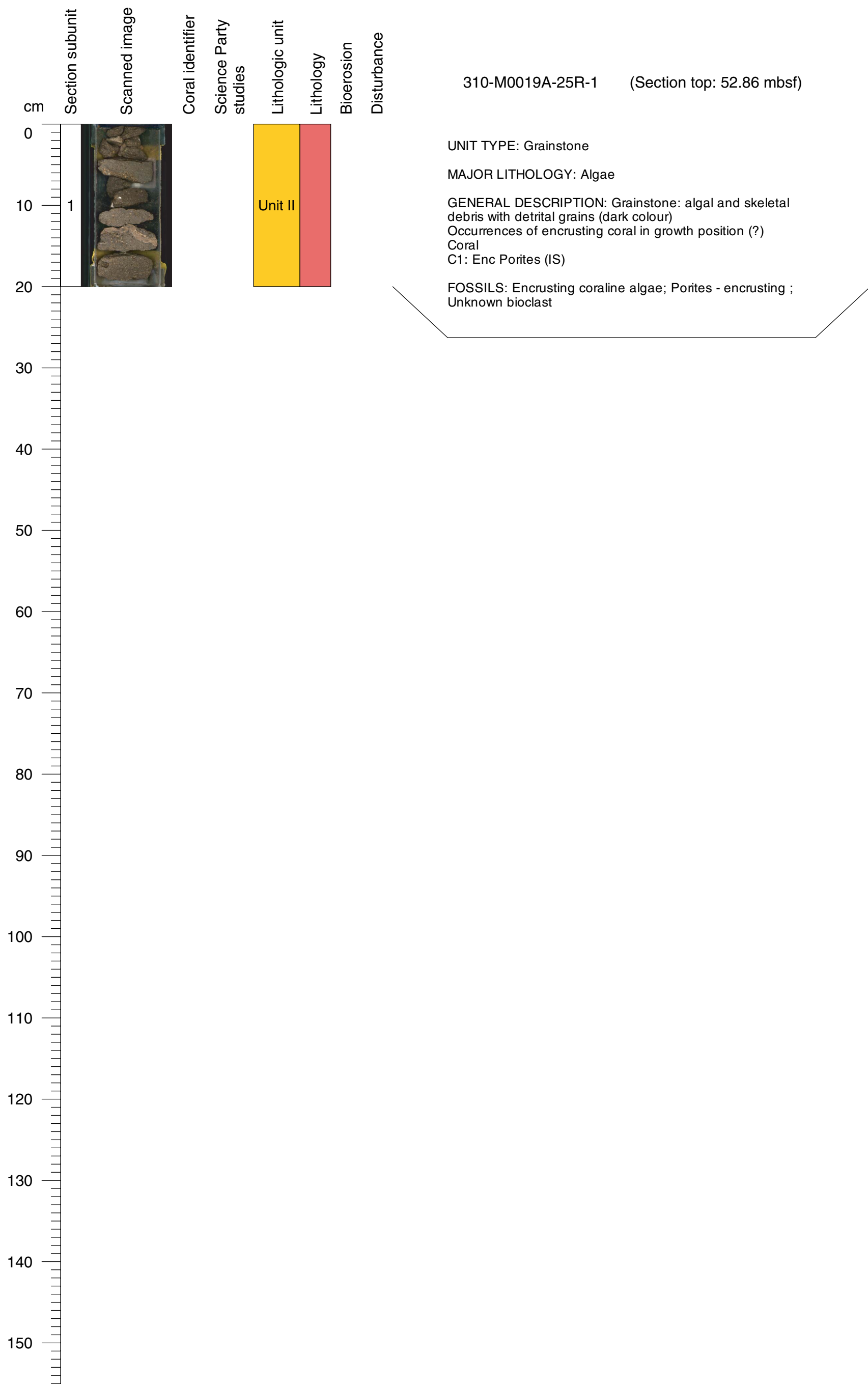


Core Photo



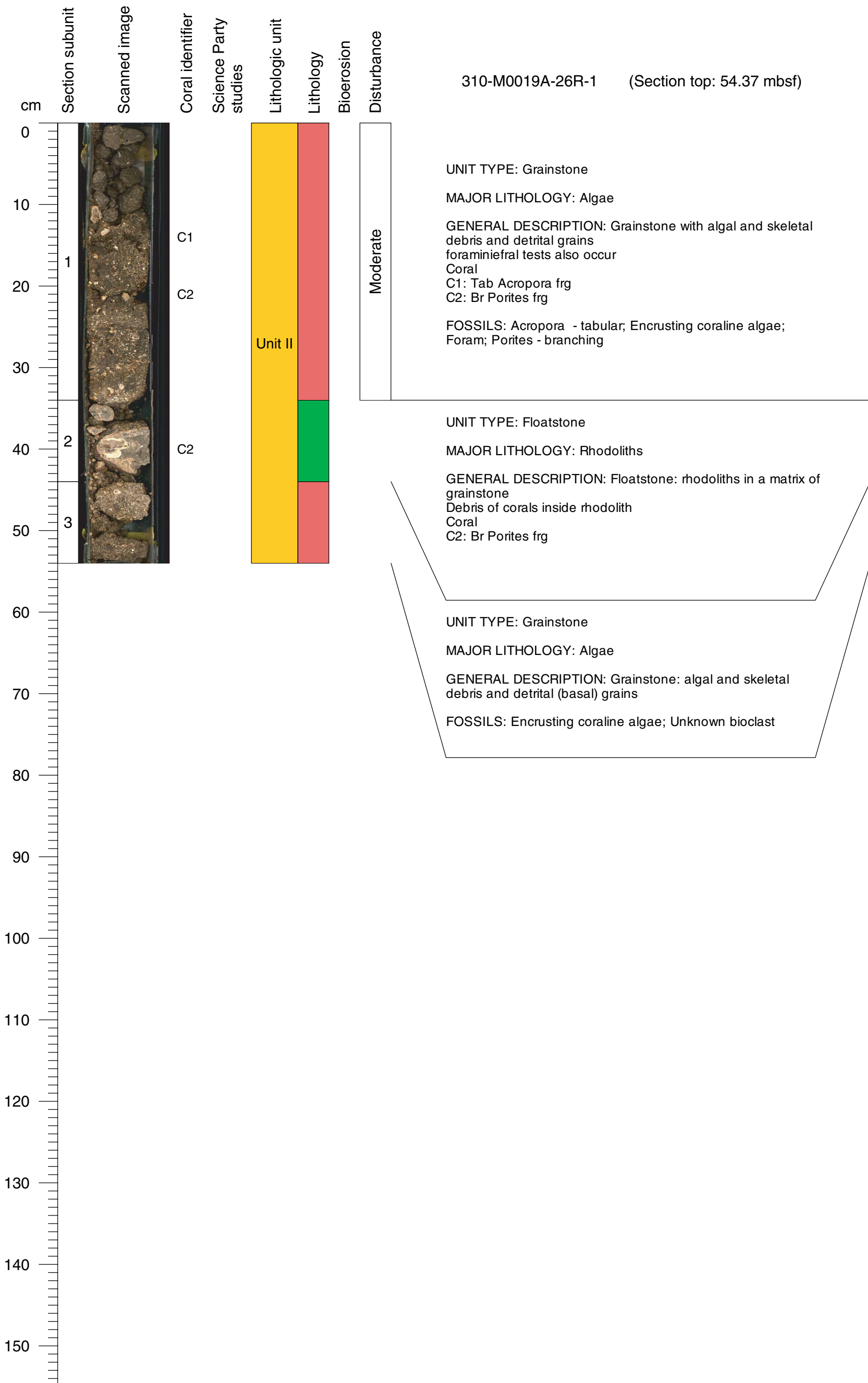


**Core Photo**



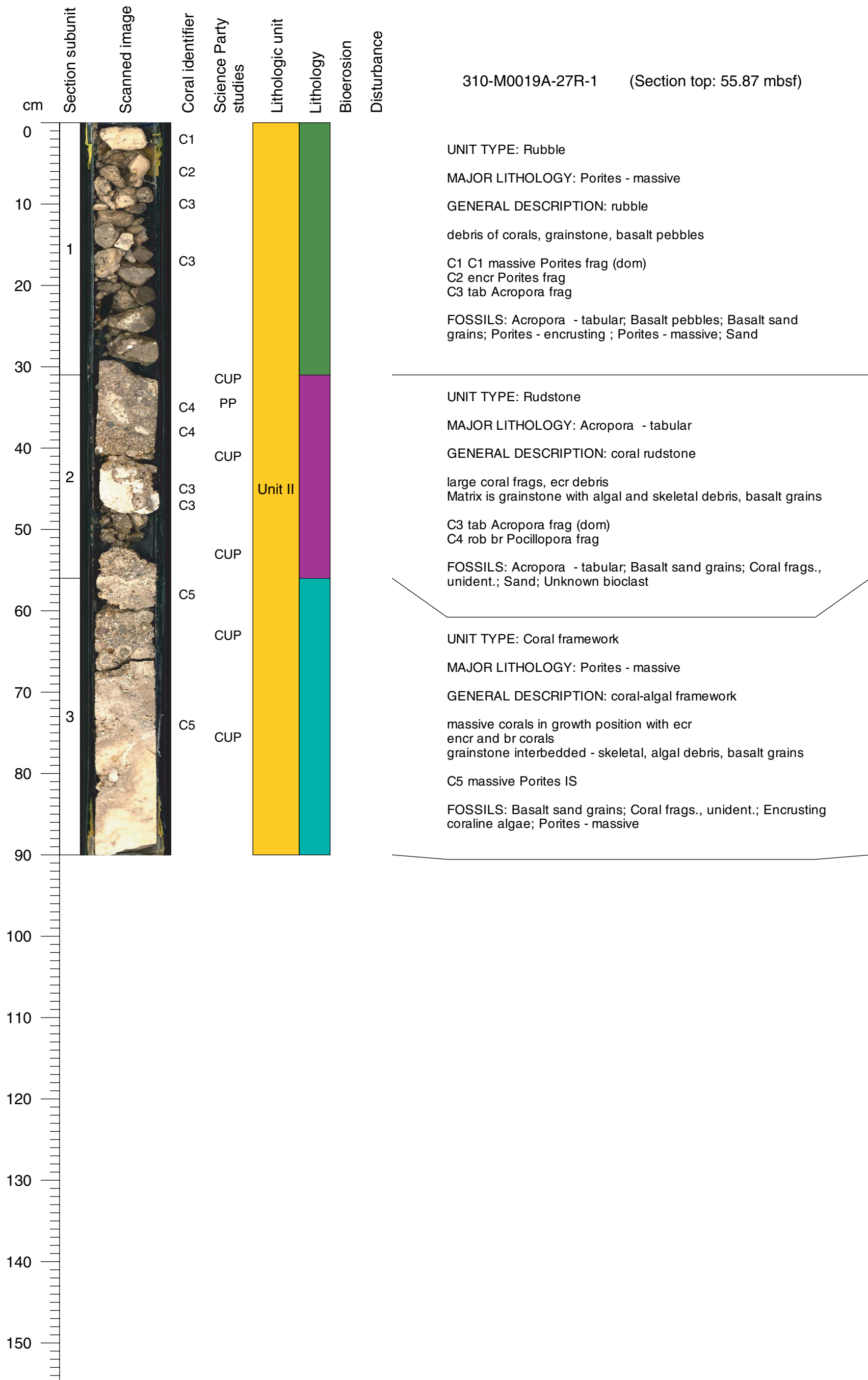
**Core Photo**

310-M0019A-26R-1 (Section top: 54.37 mbsf)



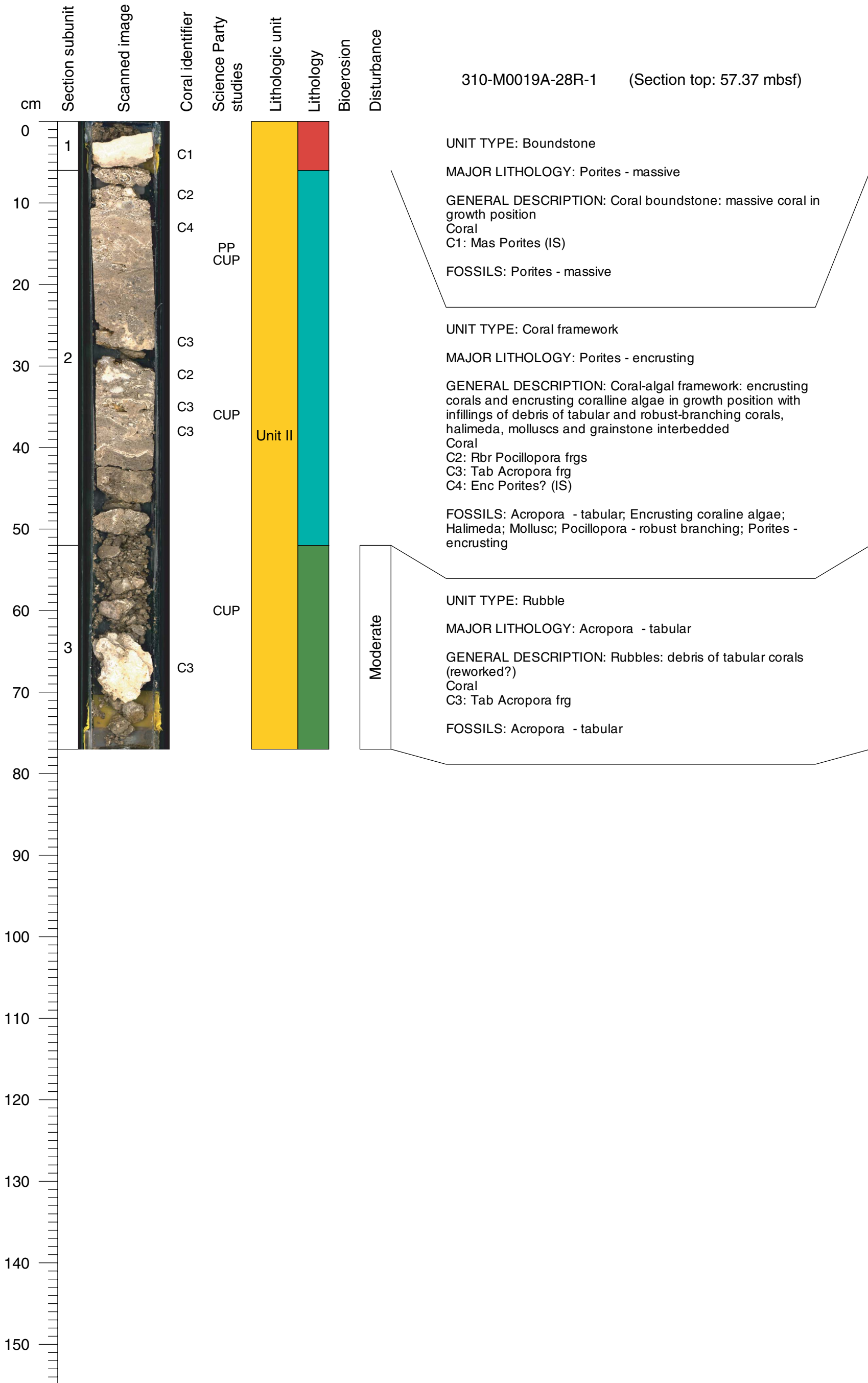
Core Photo

310-M0019A-27R-1 (Section top: 55.87 mbsf)



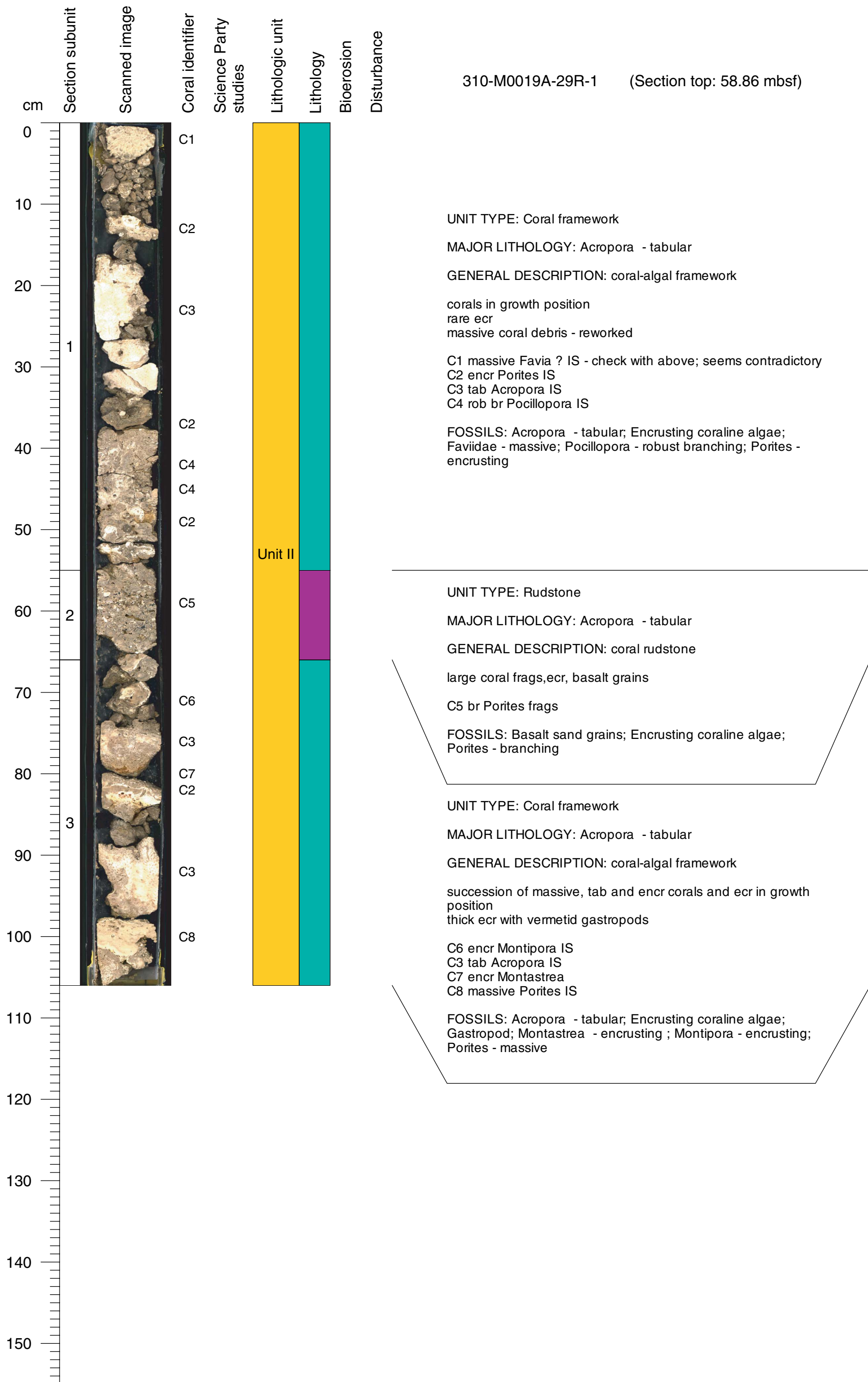
Core Photo

310-M0019A-28R-1 (Section top: 57.37 mbsf)

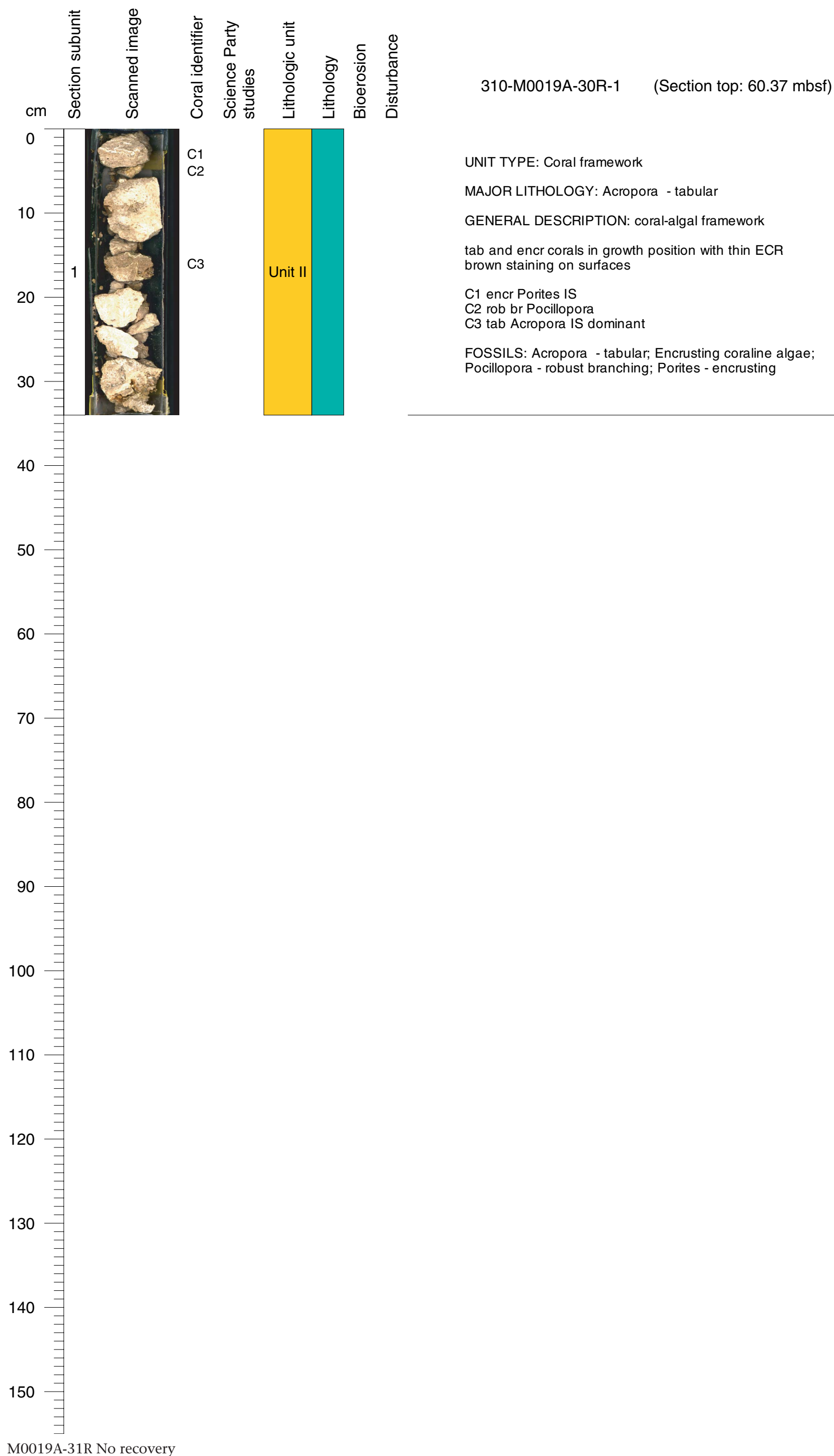


Core Photo

310-M0019A-29R-1 (Section top: 58.86 mbsf)

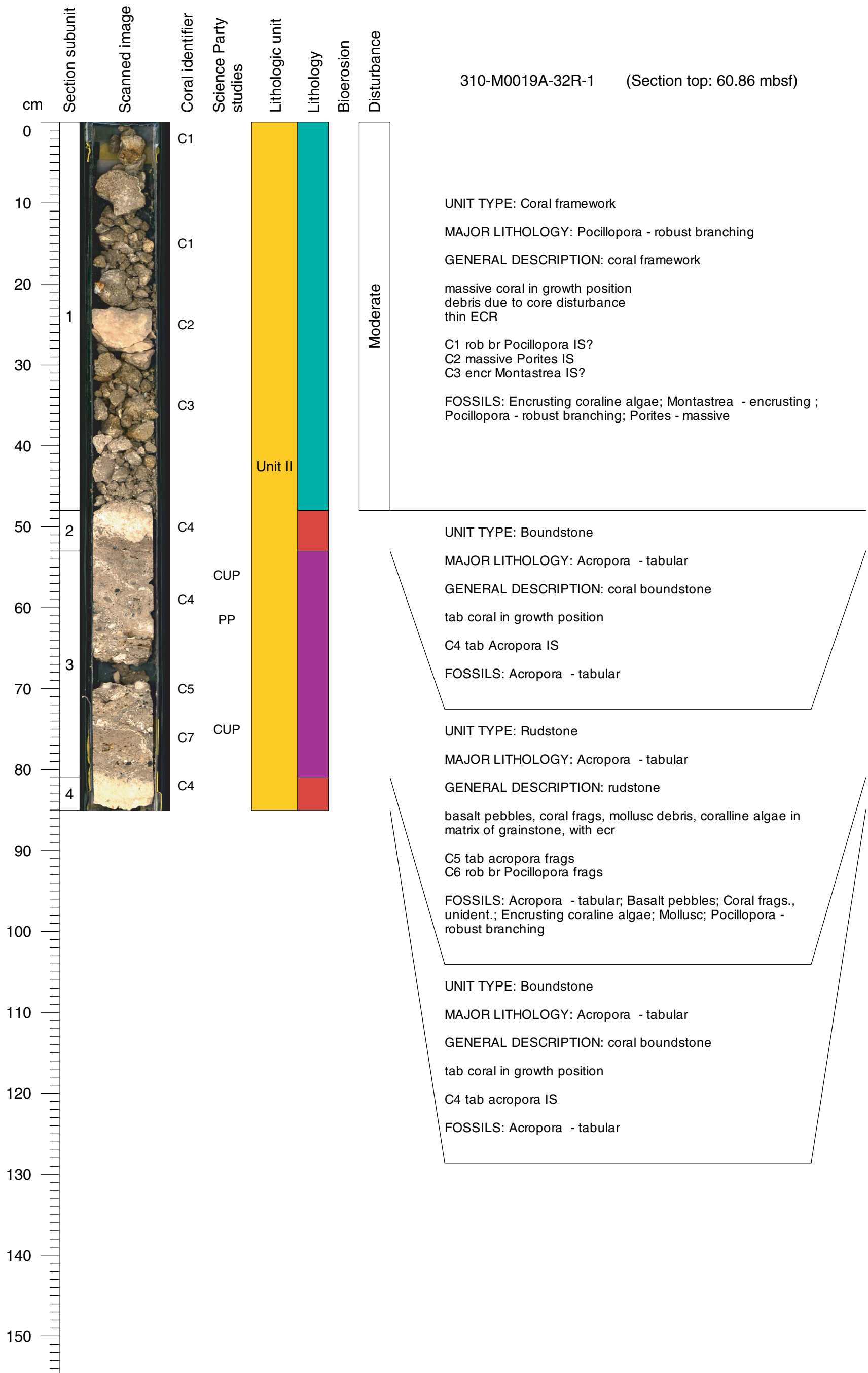


**Core Photo**



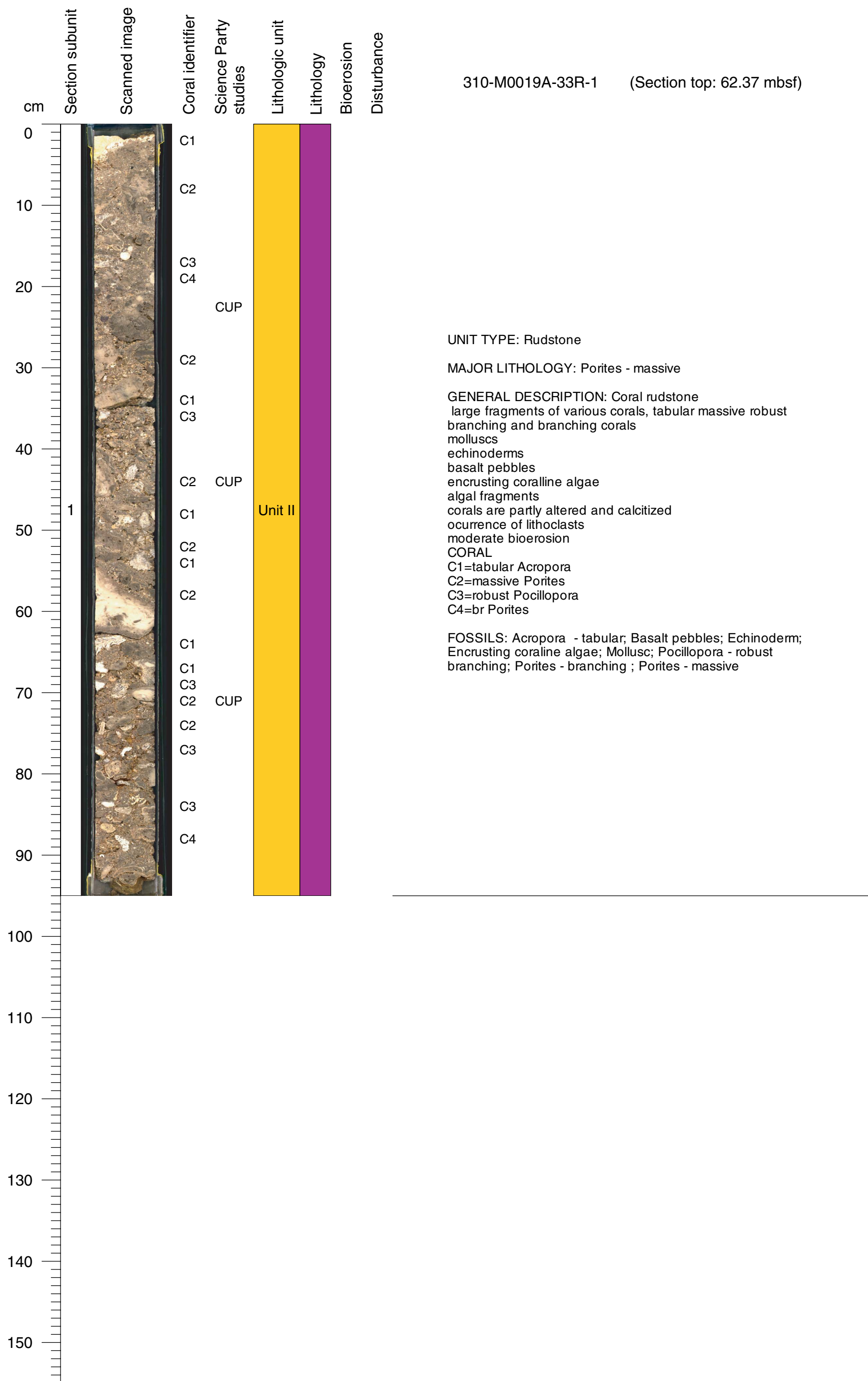
Core Photo

310-M0019A-32R-1 (Section top: 60.86 mbsf)



Core Photo

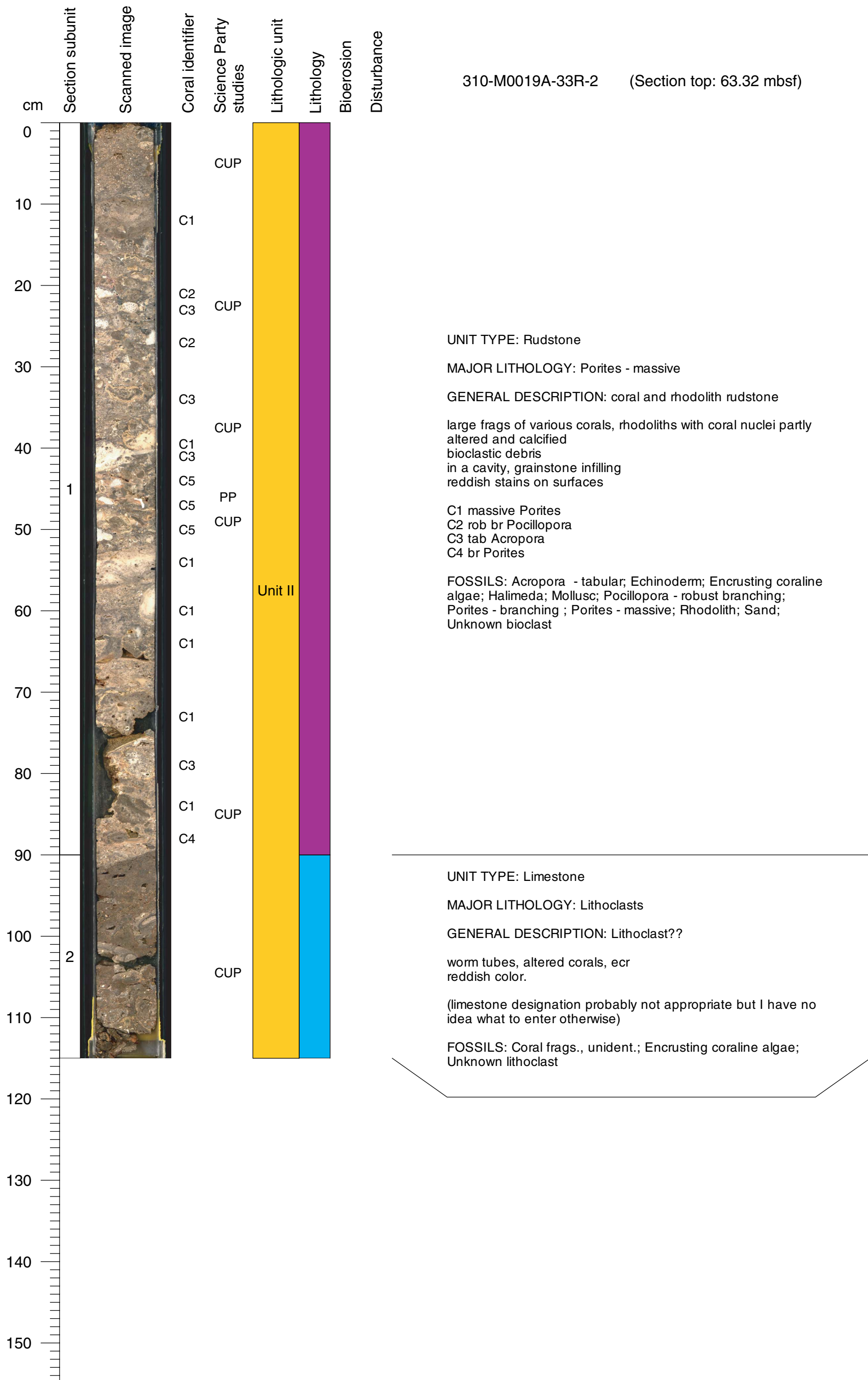
310-M0019A-33R-1 (Section top: 62.37 mbsf)



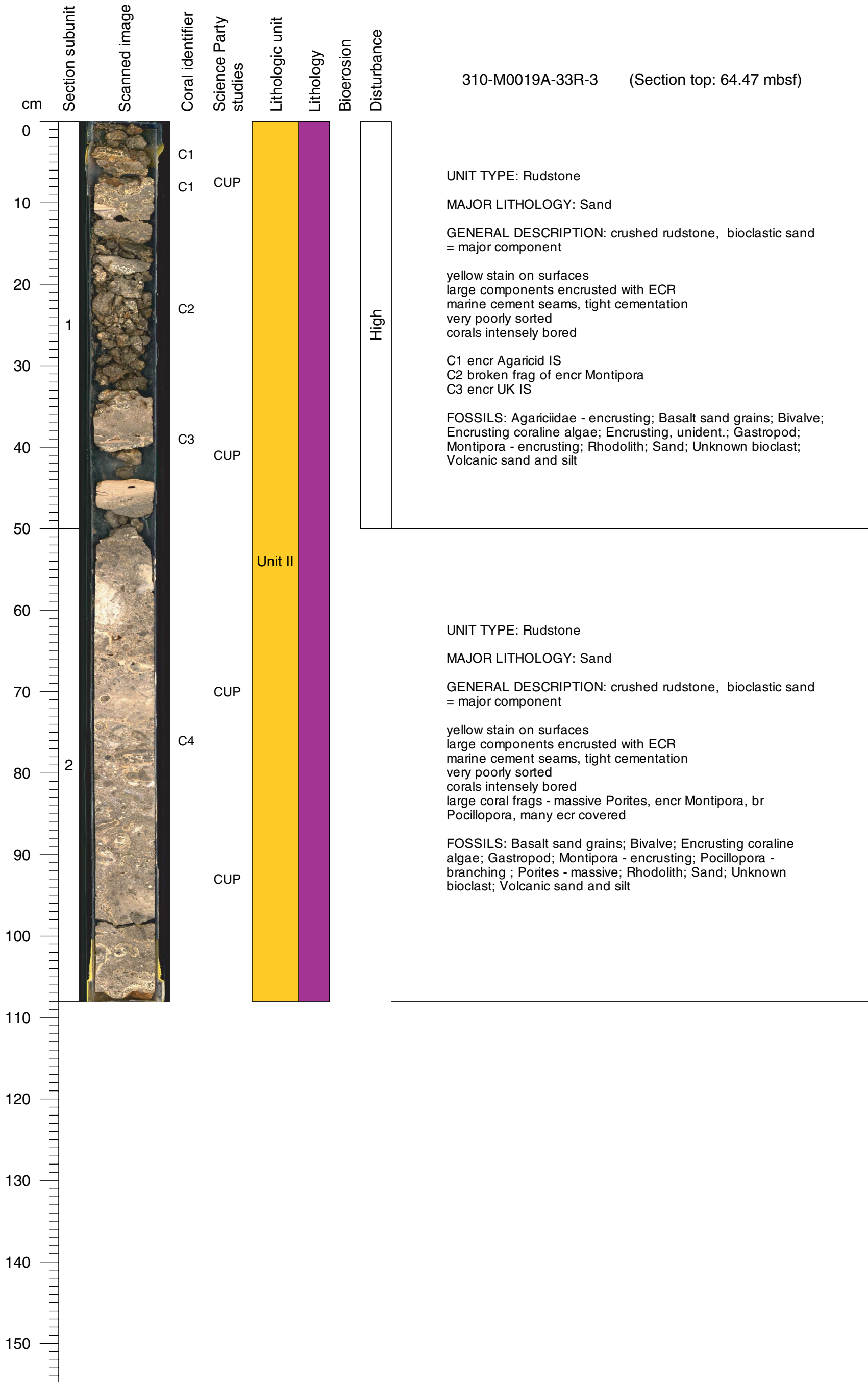


Core Photo

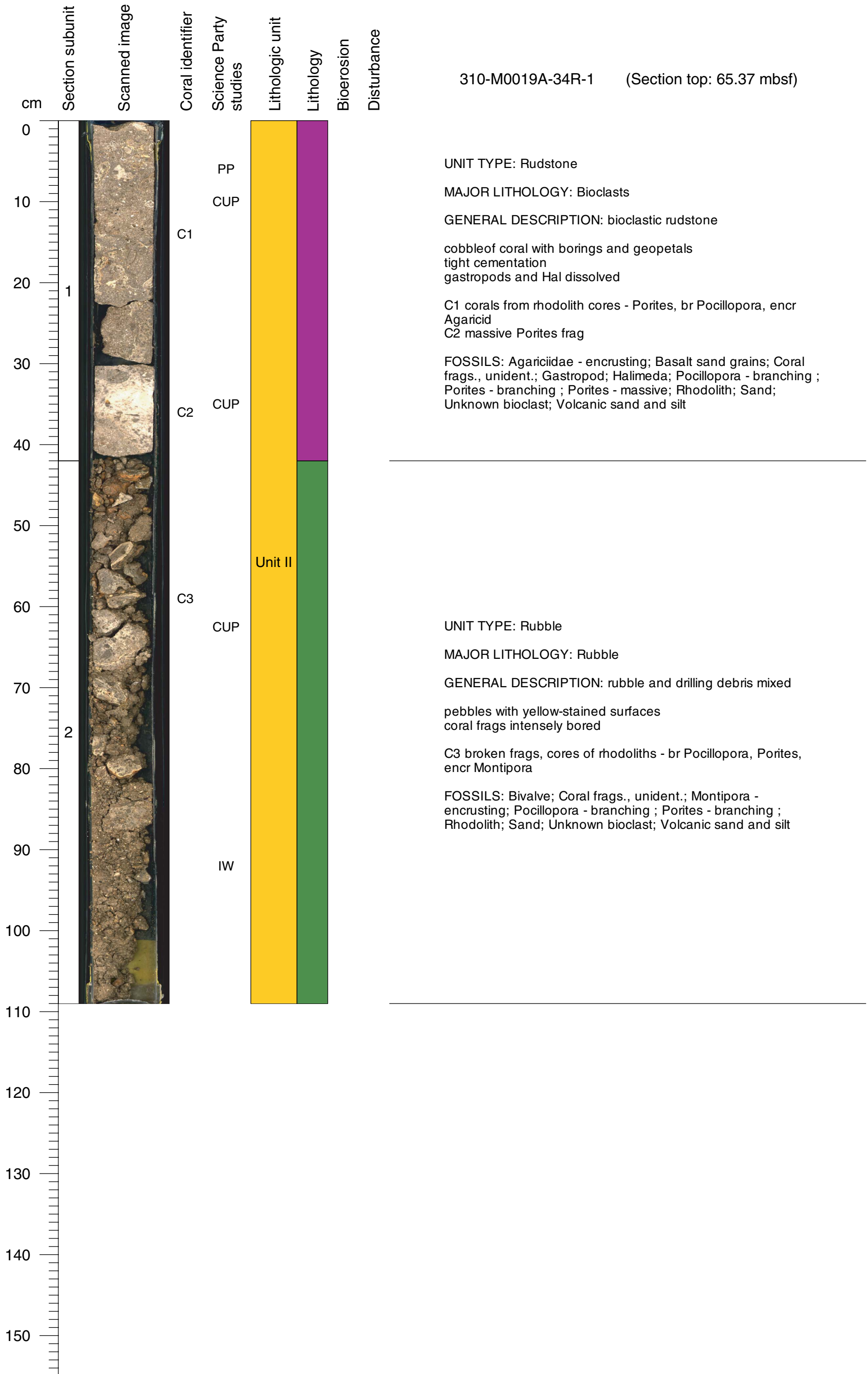
310-M0019A-33R-2 (Section top: 63.32 mbsf)



Core Photo

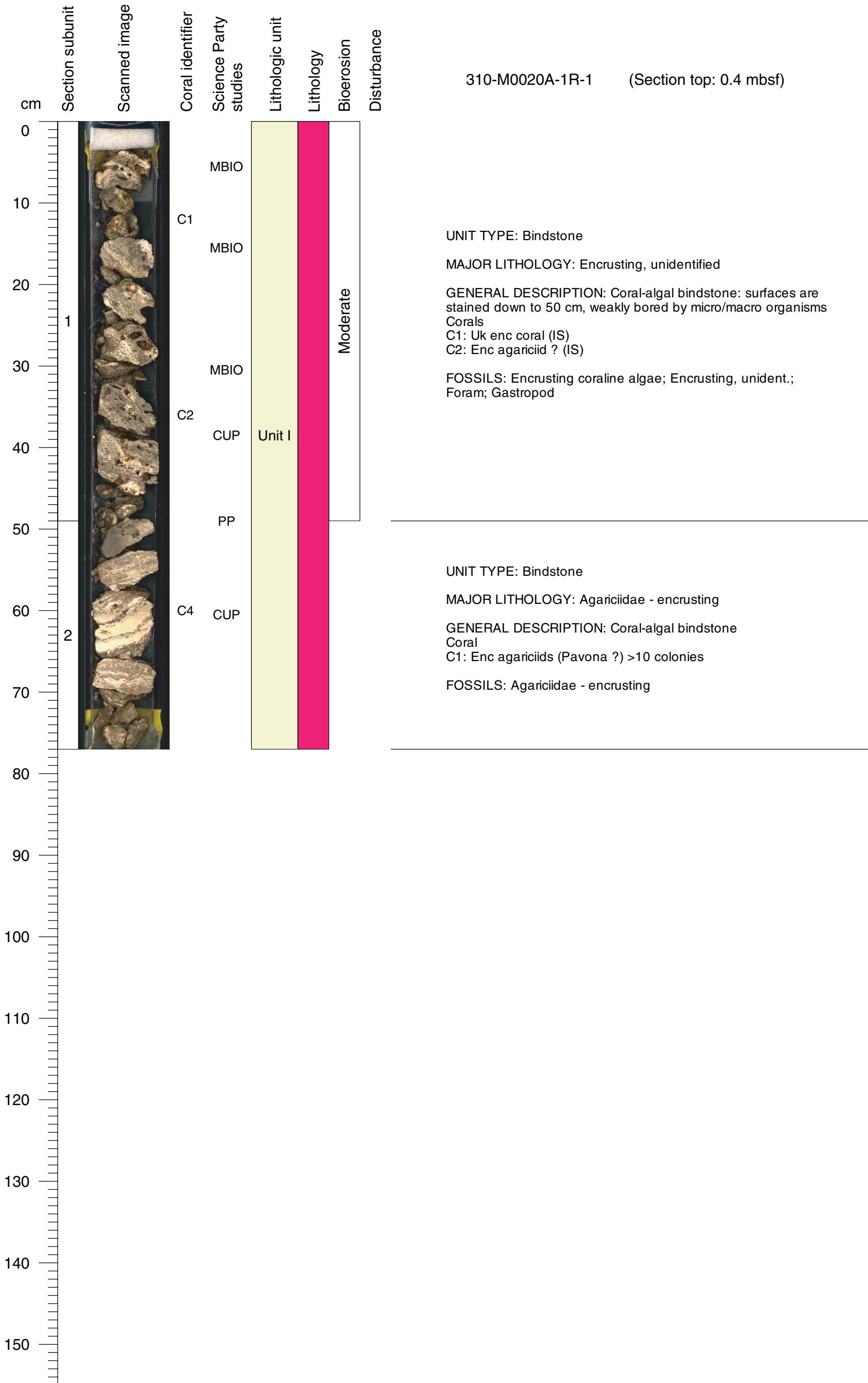


Core Photo

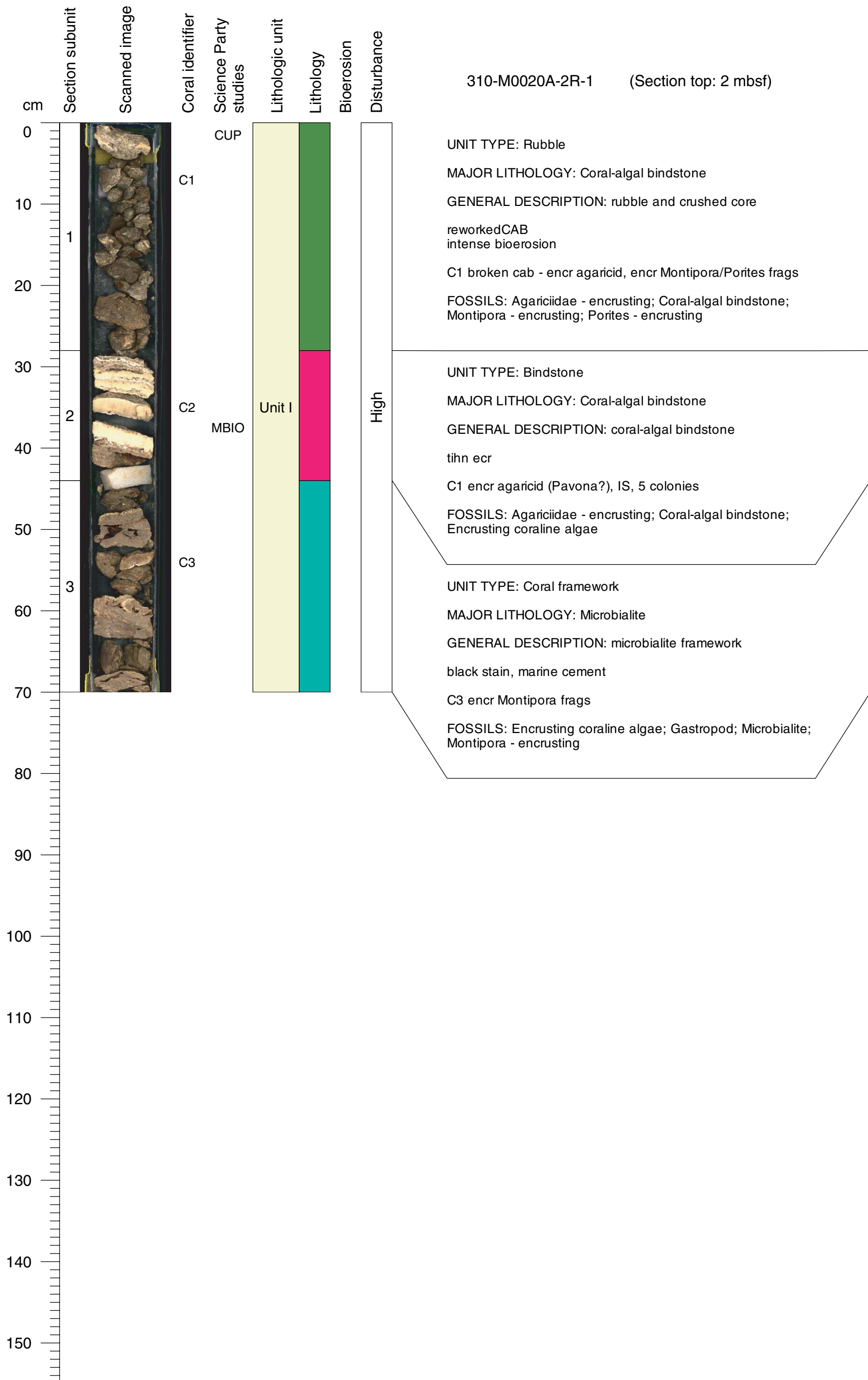


**Core Photo**

310-M0020A-1R-1 (Section top: 0.4 mbsf)

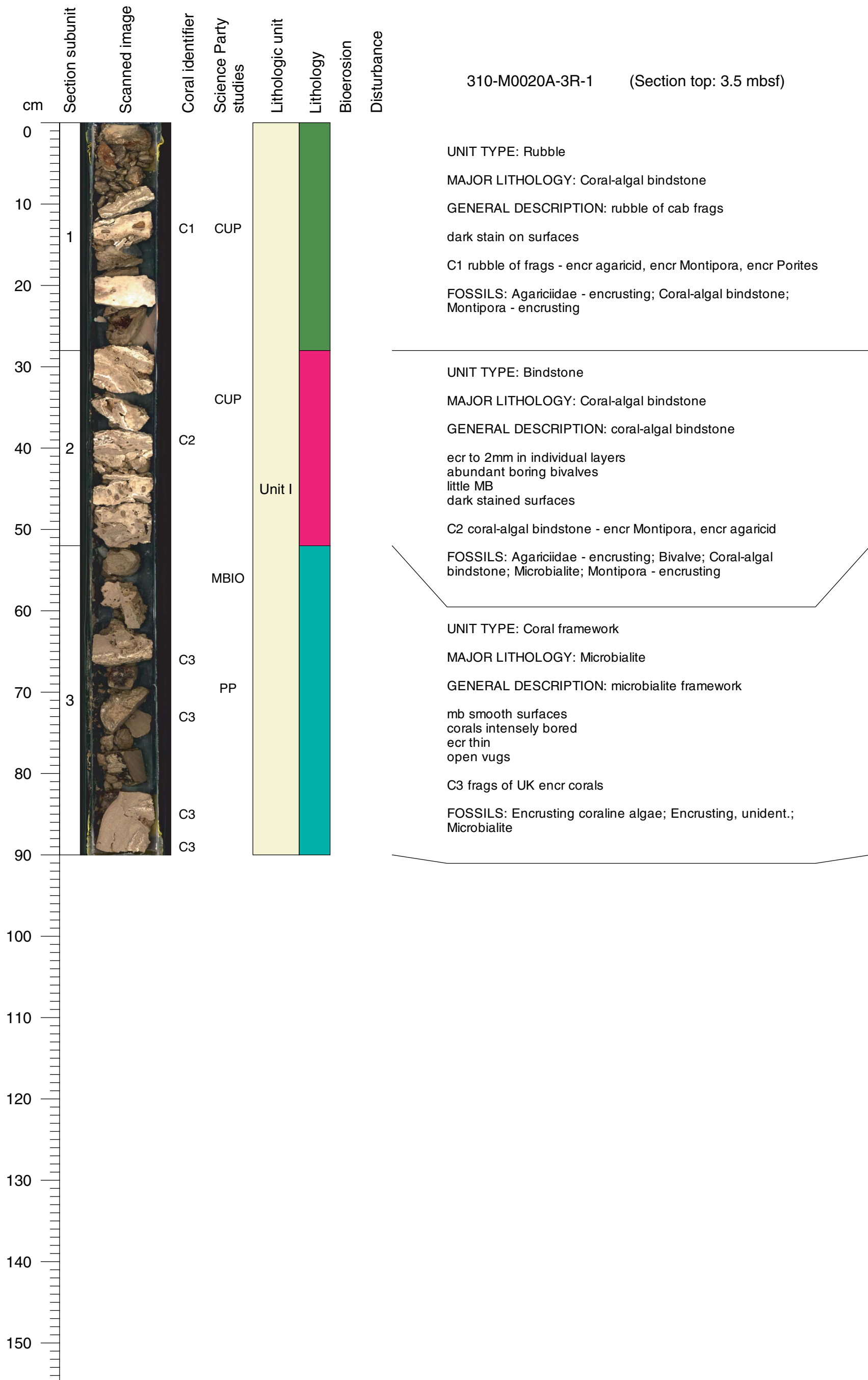


Core Photo



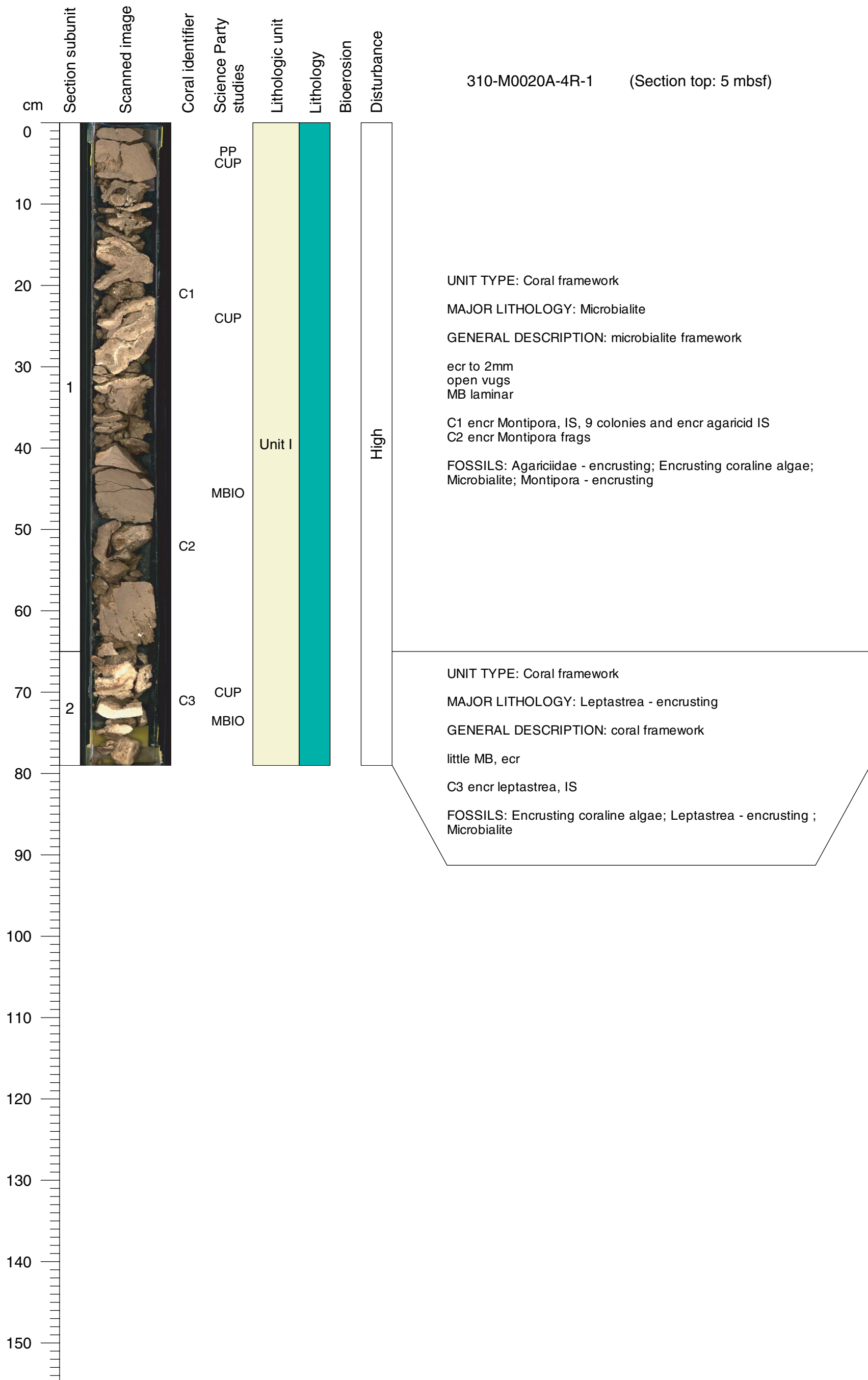
Core Photo

310-M0020A-3R-1 (Section top: 3.5 mbsf)



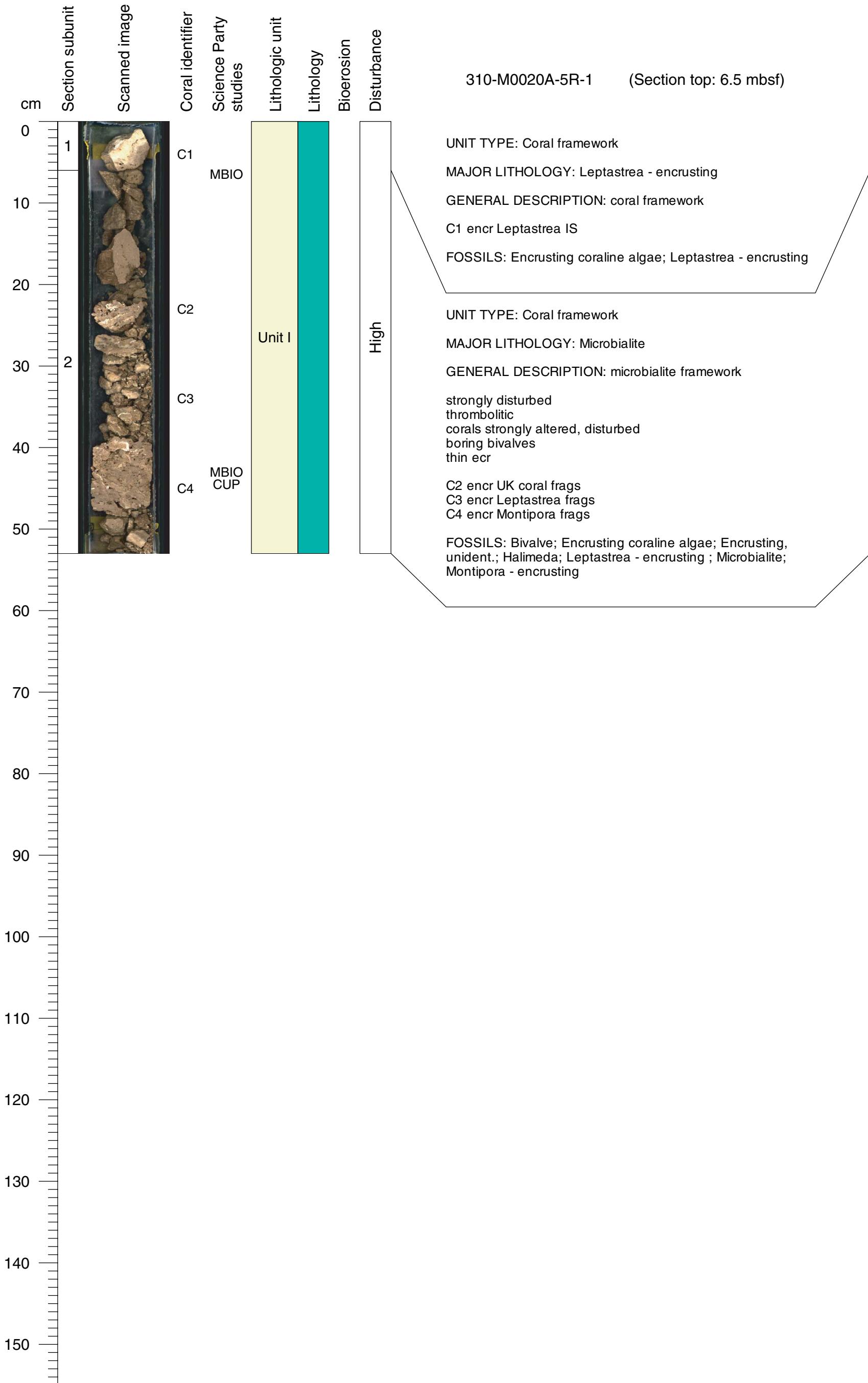
**Core Photo**

310-M0020A-4R-1 (Section top: 5 mbsf)



**Core Photo**

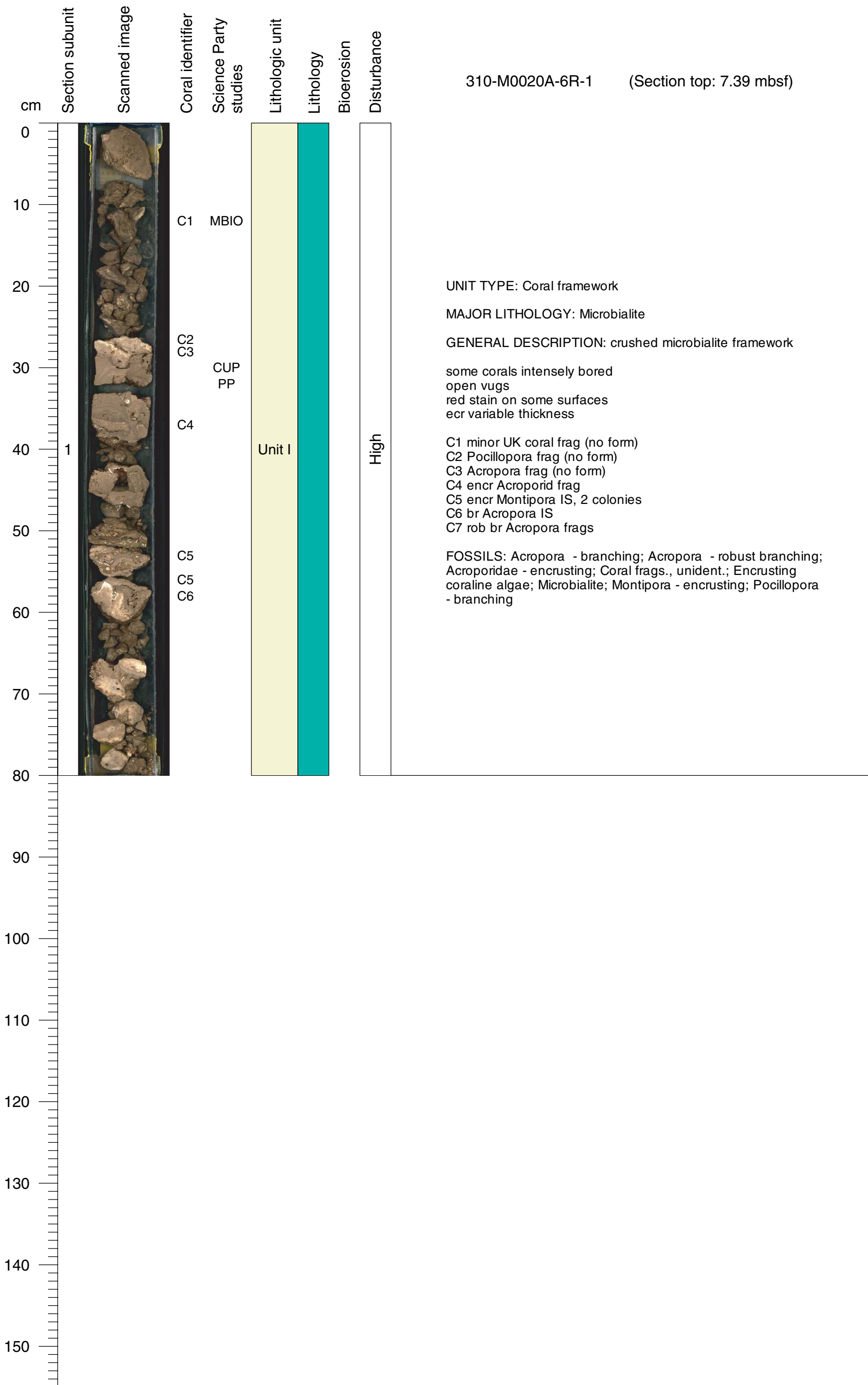
310-M0020A-5R-1 (Section top: 6.5 mbsf)





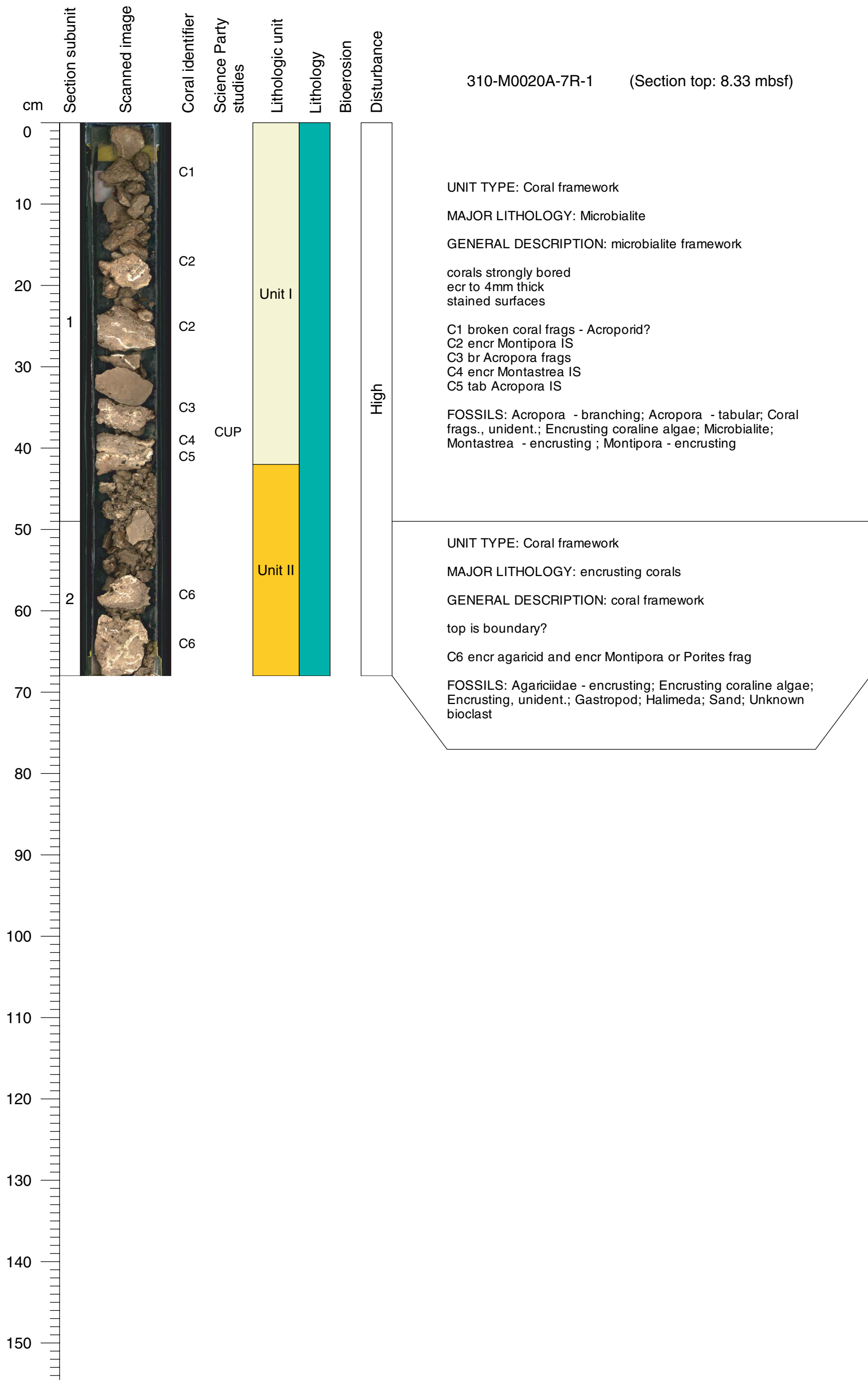
**Core Photo**

310-M0020A-6R-1 (Section top: 7.39 mbsf)



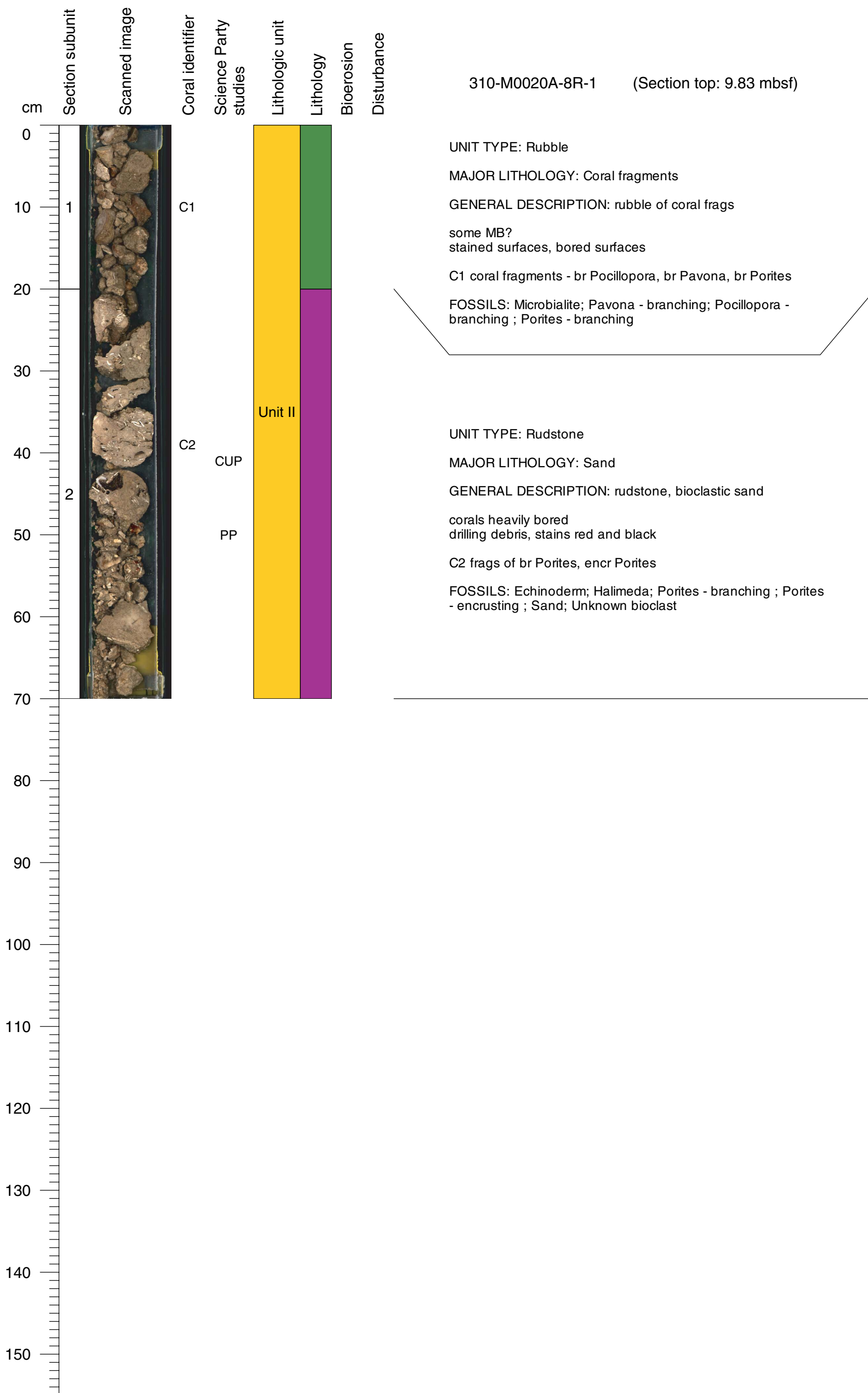
Core Photo

310-M0020A-7R-1 (Section top: 8.33 mbsf)

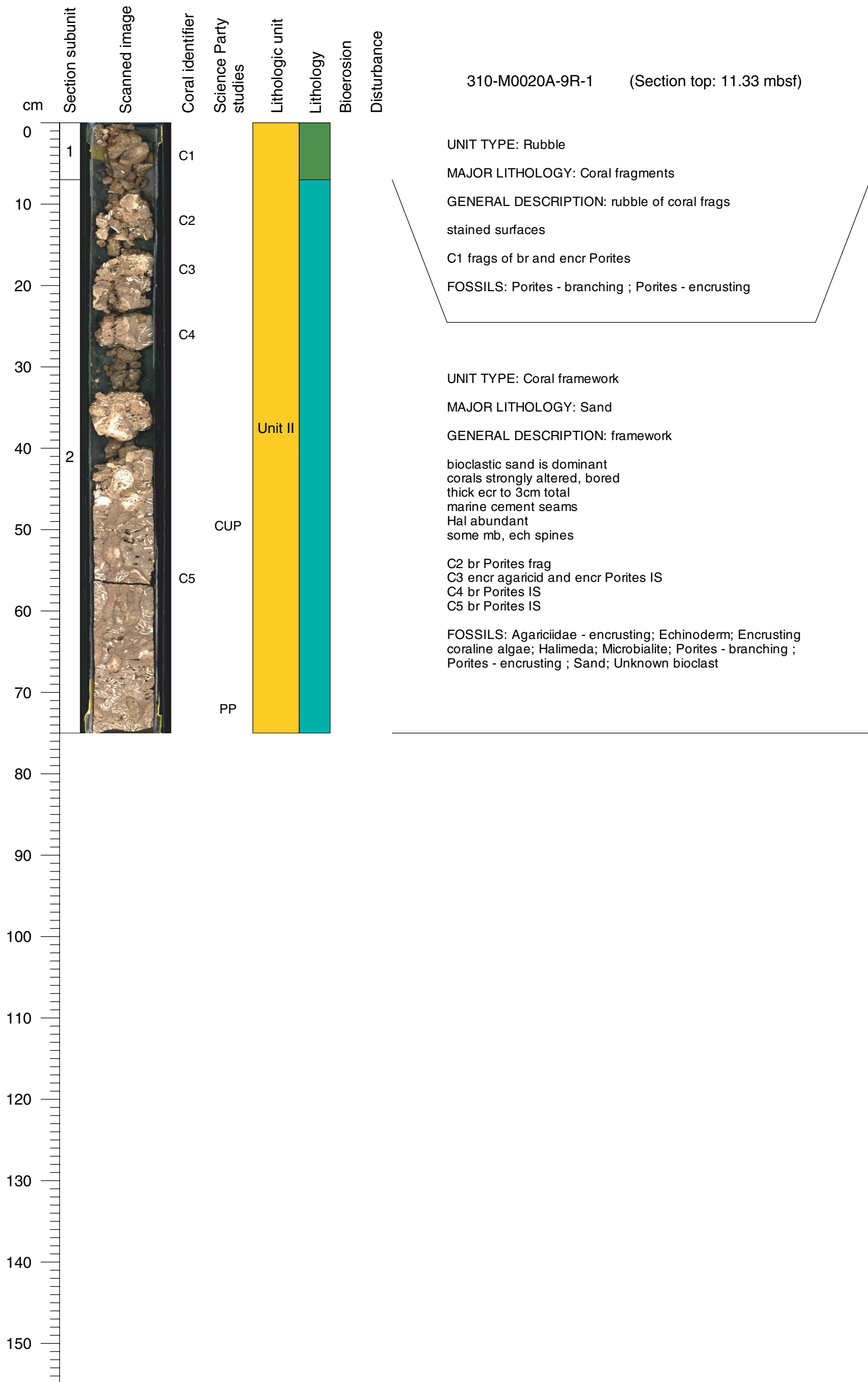


Core Photo

310-M0020A-8R-1 (Section top: 9.83 mbsf)

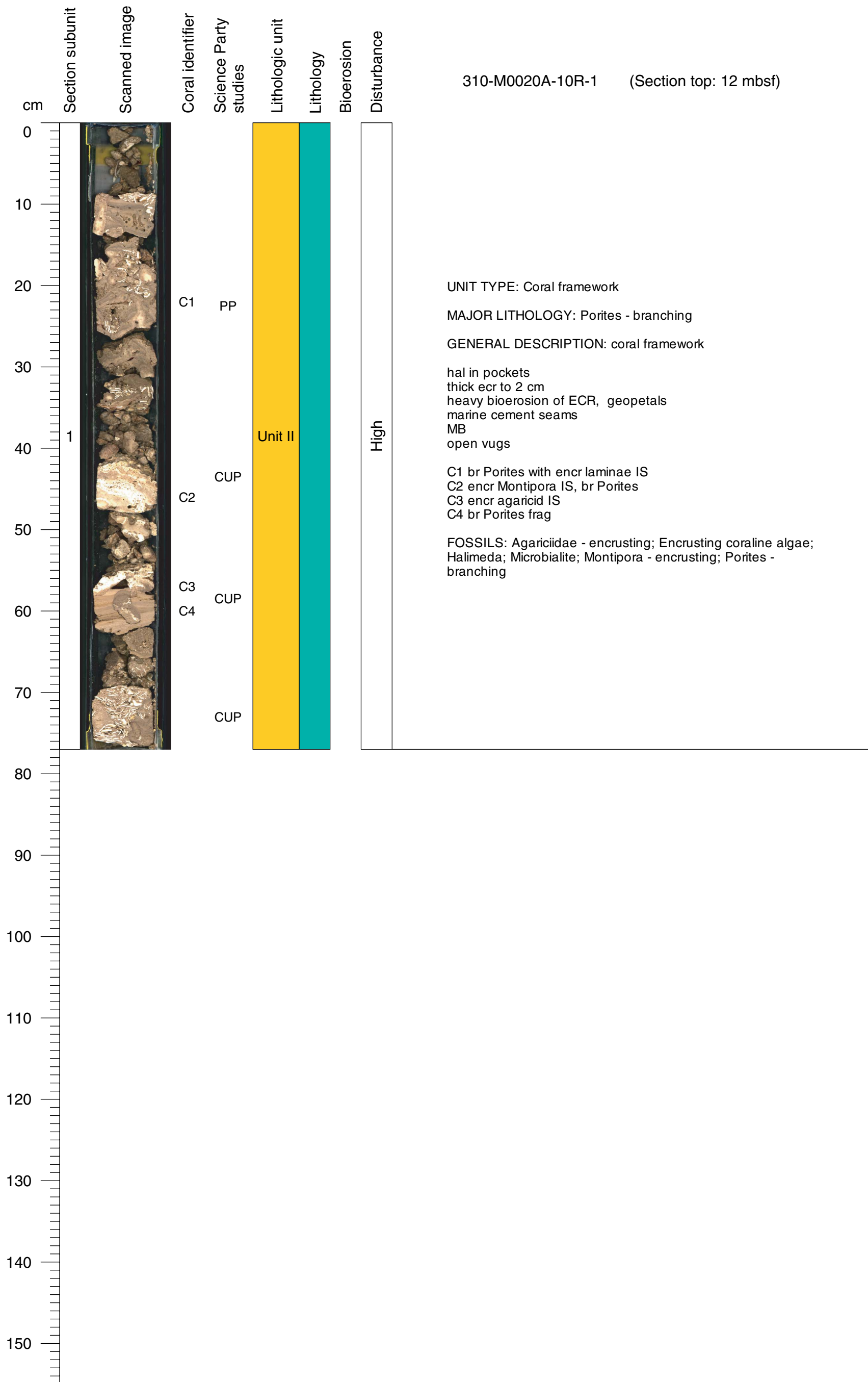


Core Photo



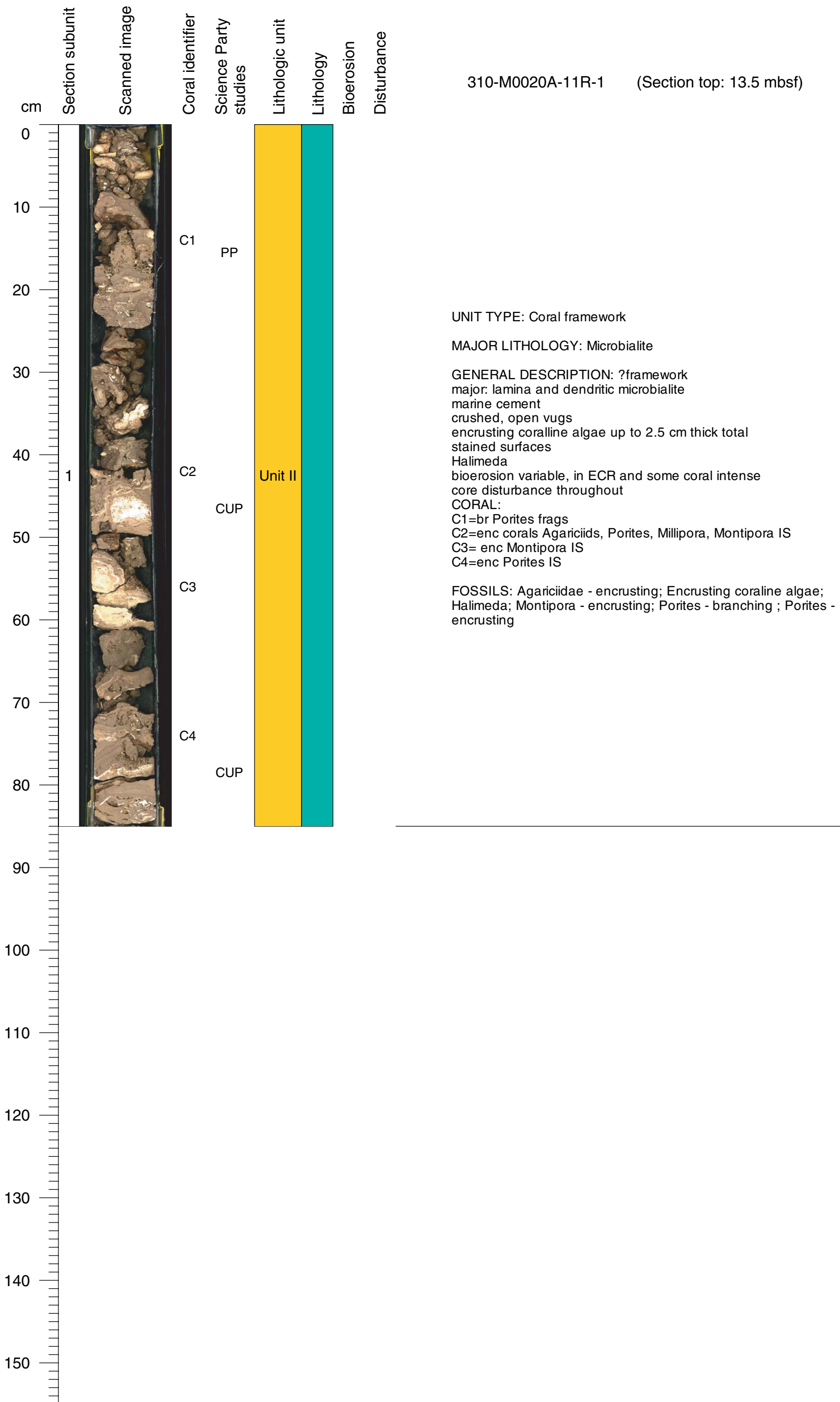
Core Photo

310-M0020A-10R-1 (Section top: 12 mbsf)



Core Photo

310-M0020A-11R-1 (Section top: 13.5 mbsf)



UNIT TYPE: Coral framework

MAJOR LITHOLOGY: Microbialite

GENERAL DESCRIPTION: ?framework  
 major: lamina and dendritic microbialite  
 marine cement  
 crushed, open vugs  
 encrusting coralline algae up to 2.5 cm thick total  
 stained surfaces

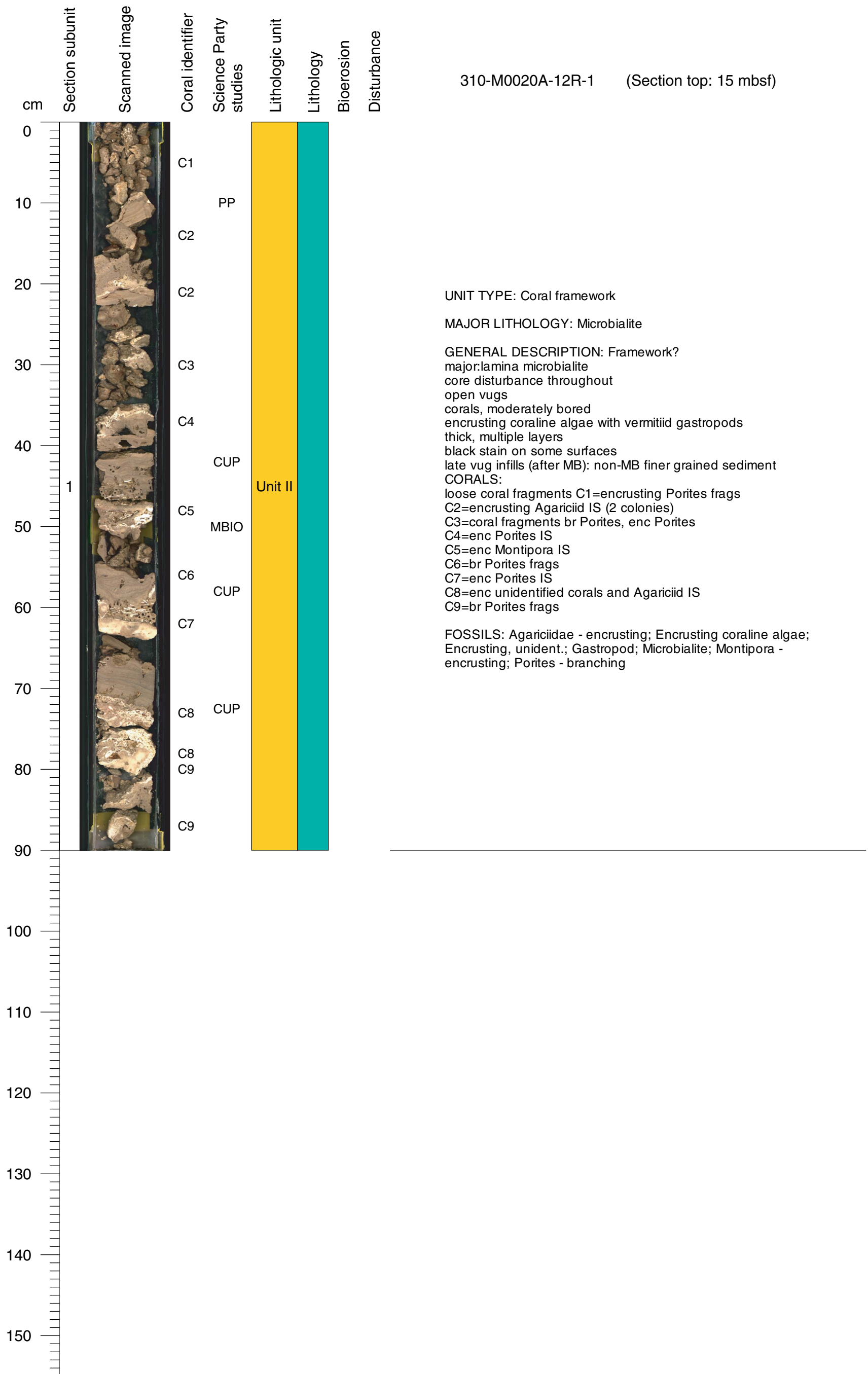
Halimeda  
 bioerosion variable, in ECR and some coral intense  
 core disturbance throughout

CORAL:  
 C1=br Porites frags  
 C2=enc corals Agariciids, Porites, Millipora, Montipora IS  
 C3= enc Montipora IS  
 C4=enc Porites IS

FOSSILS: Agariciidae - encrusting; Encrusting coralline algae;  
 Halimeda; Montipora - encrusting; Porites - branching ; Porites - encrusting

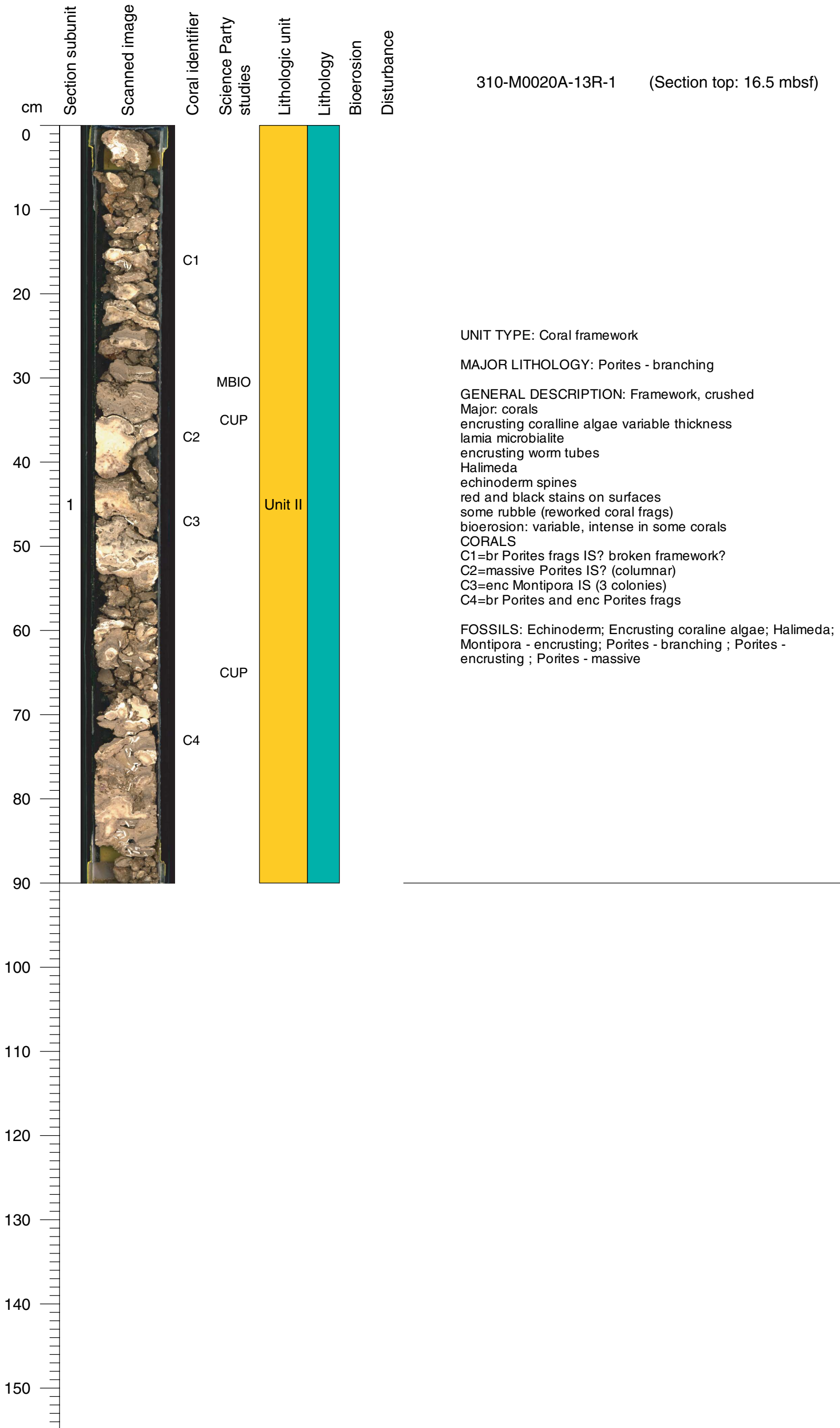
Core Photo

310-M0020A-12R-1 (Section top: 15 mbsf)



Core Photo

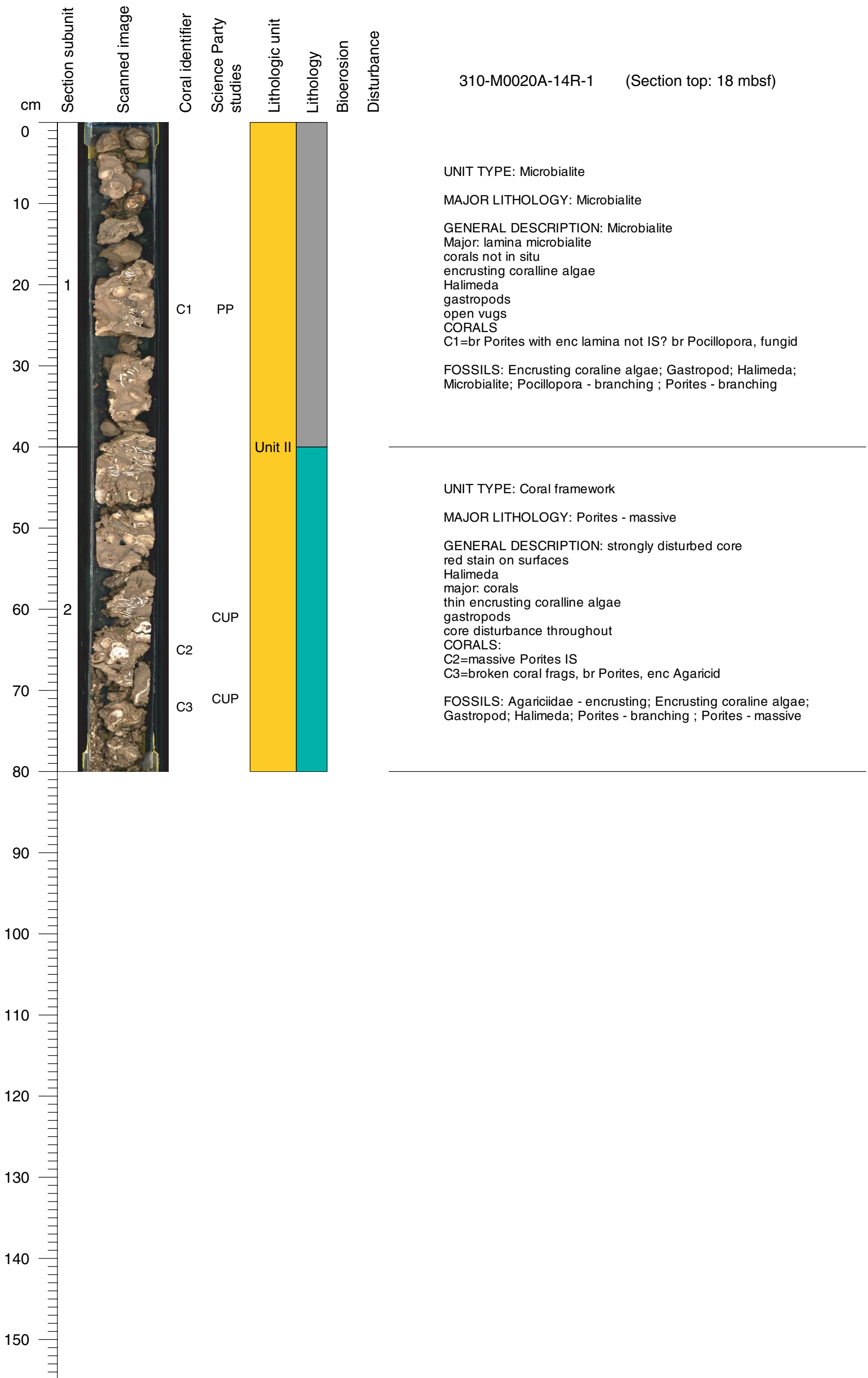
310-M0020A-13R-1 (Section top: 16.5 mbsf)



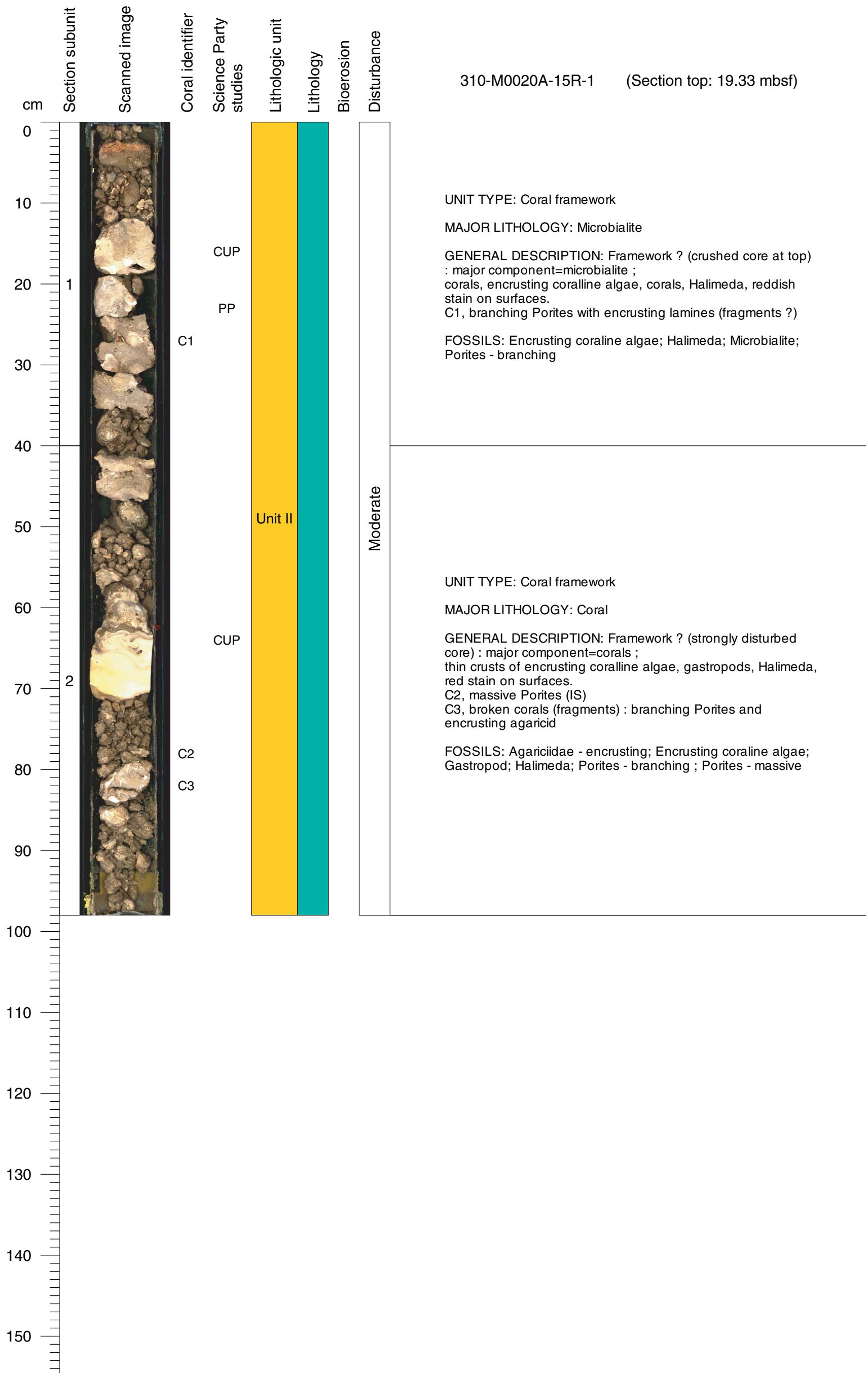


Core Photo

310-M0020A-14R-1 (Section top: 18 mbsf)

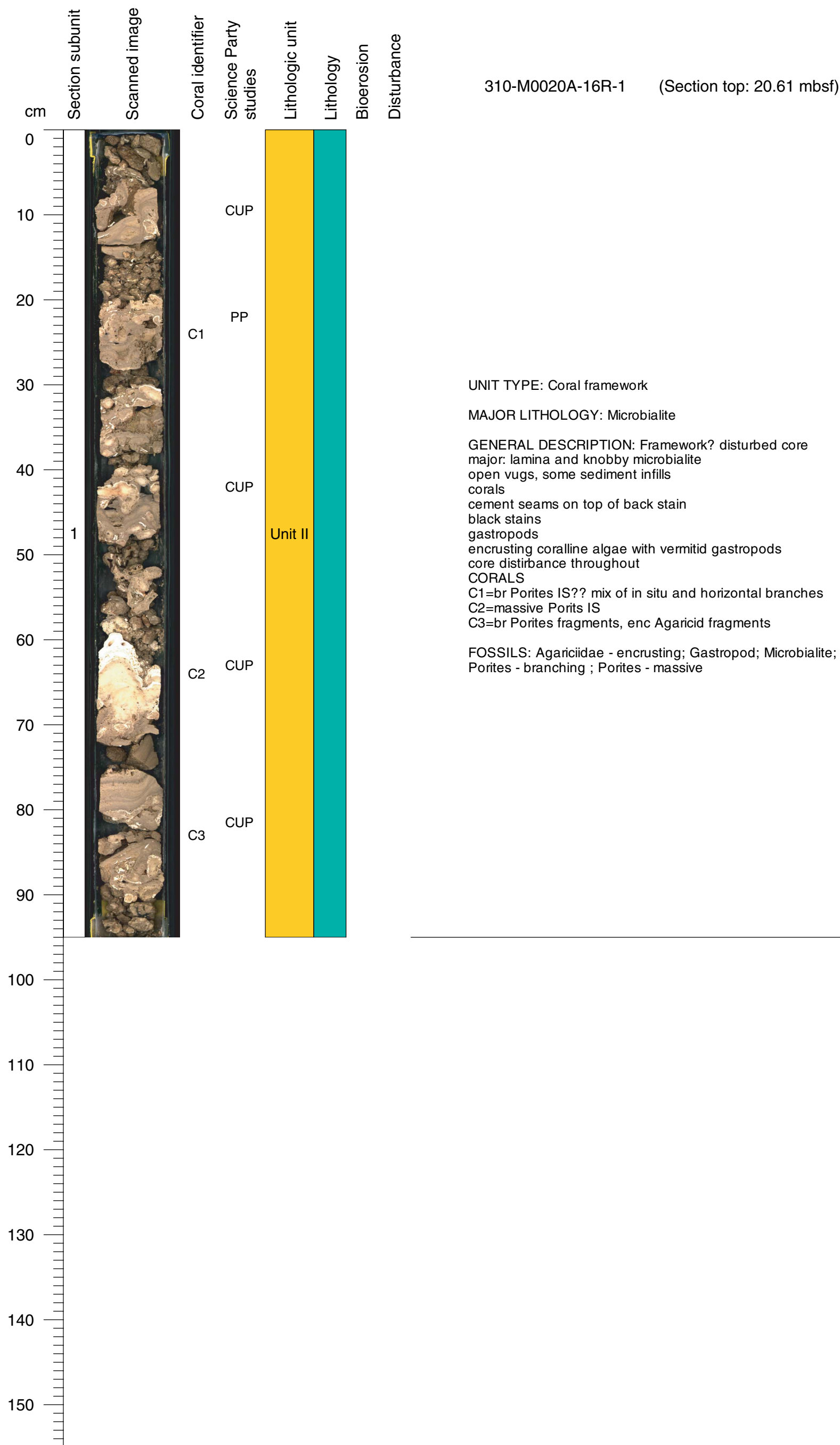


**Core Photo**



**Core Photo**

310-M0020A-16R-1 (Section top: 20.61 mbsf)



UNIT TYPE: Coral framework

MAJOR LITHOLOGY: Microbialite

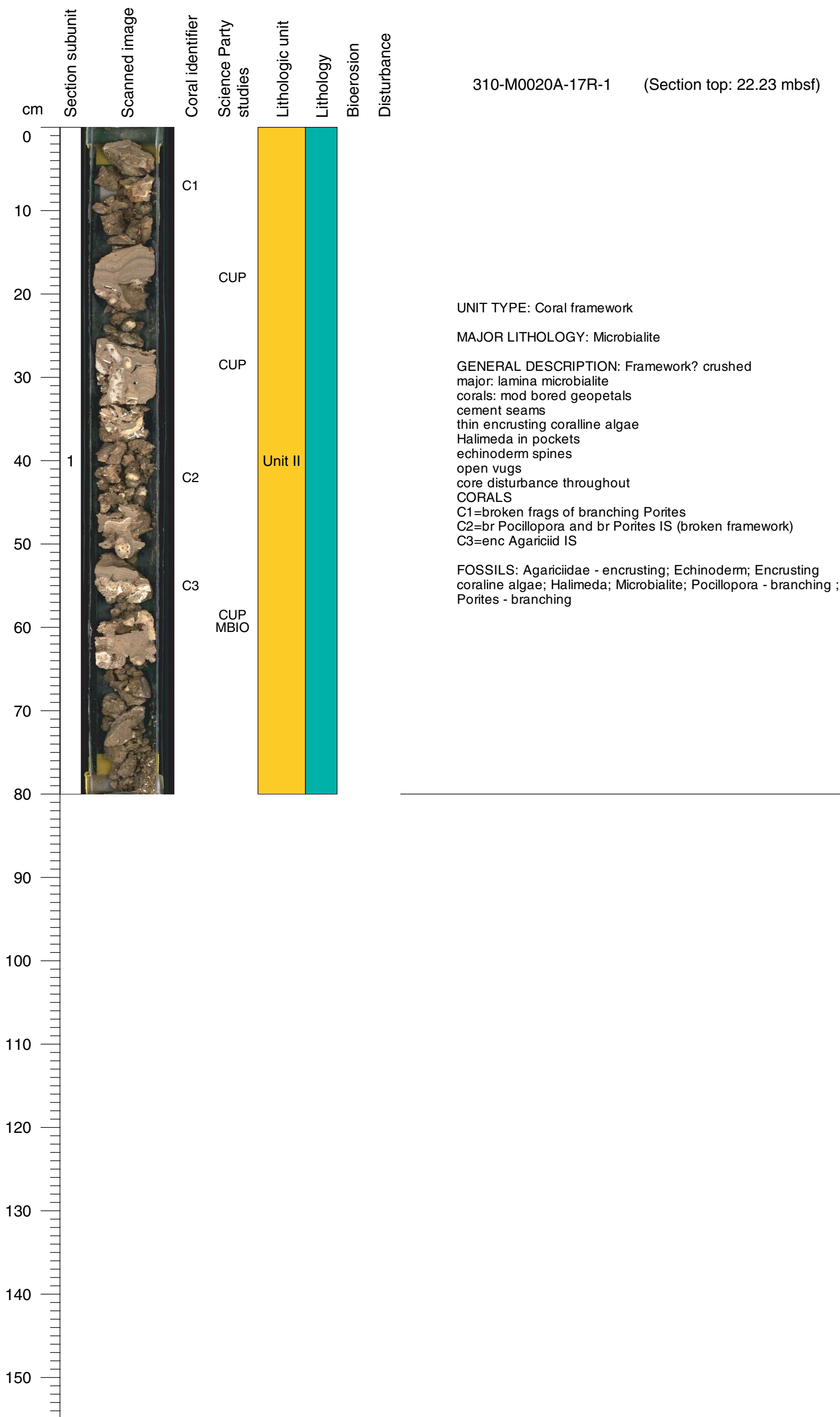
GENERAL DESCRIPTION: Framework? disturbed core  
 major: lamina and knobby microbialite  
 open vugs, some sediment infills  
 corals  
 cement seams on top of back stain  
 black stains  
 gastropods  
 encrusting coralline algae with vermitid gastropods  
 core disturbance throughout  
 CORALS  
 C1=br Porites IS?? mix of in situ and horizontal branches  
 C2=massive Porites IS  
 C3=br Porites fragments, enc Agaricid fragments

FOSSILS: Agariciidae - encrusting; Gastropod; Microbialite;  
 Porites - branching ; Porites - massive



**Core Photo**

310-M0020A-17R-1 (Section top: 22.23 mbsf)

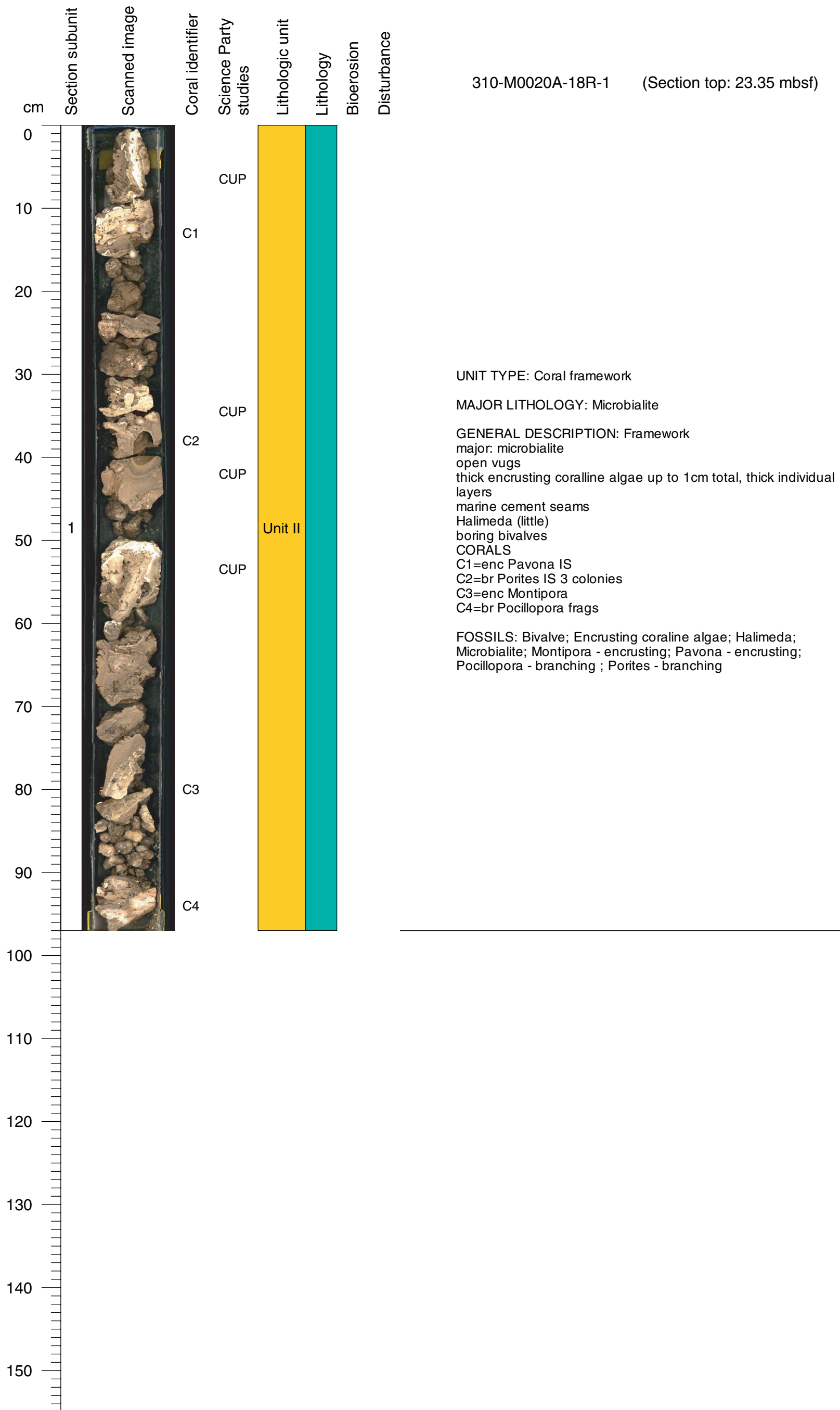


UNIT TYPE: Coral framework  
 MAJOR LITHOLOGY: Microbialite  
 GENERAL DESCRIPTION: Framework? crushed  
 major: lamina microbialite  
 corals: mod bored geopetals  
 cement seams  
 thin encrusting coralline algae  
 Halimeda in pockets  
 echinoderm spines  
 open vugs  
 core disturbance throughout  
 CORALS  
 C1=broken frags of branching Porites  
 C2=br Pocillopora and br Porites IS (broken framework)  
 C3=enc Agariciid IS  
 FOSSILS: Agariciidae - encrusting; Echinoderm; Encrusting coralline algae; Halimeda; Microbialite; Pocillopora - branching ; Porites - branching

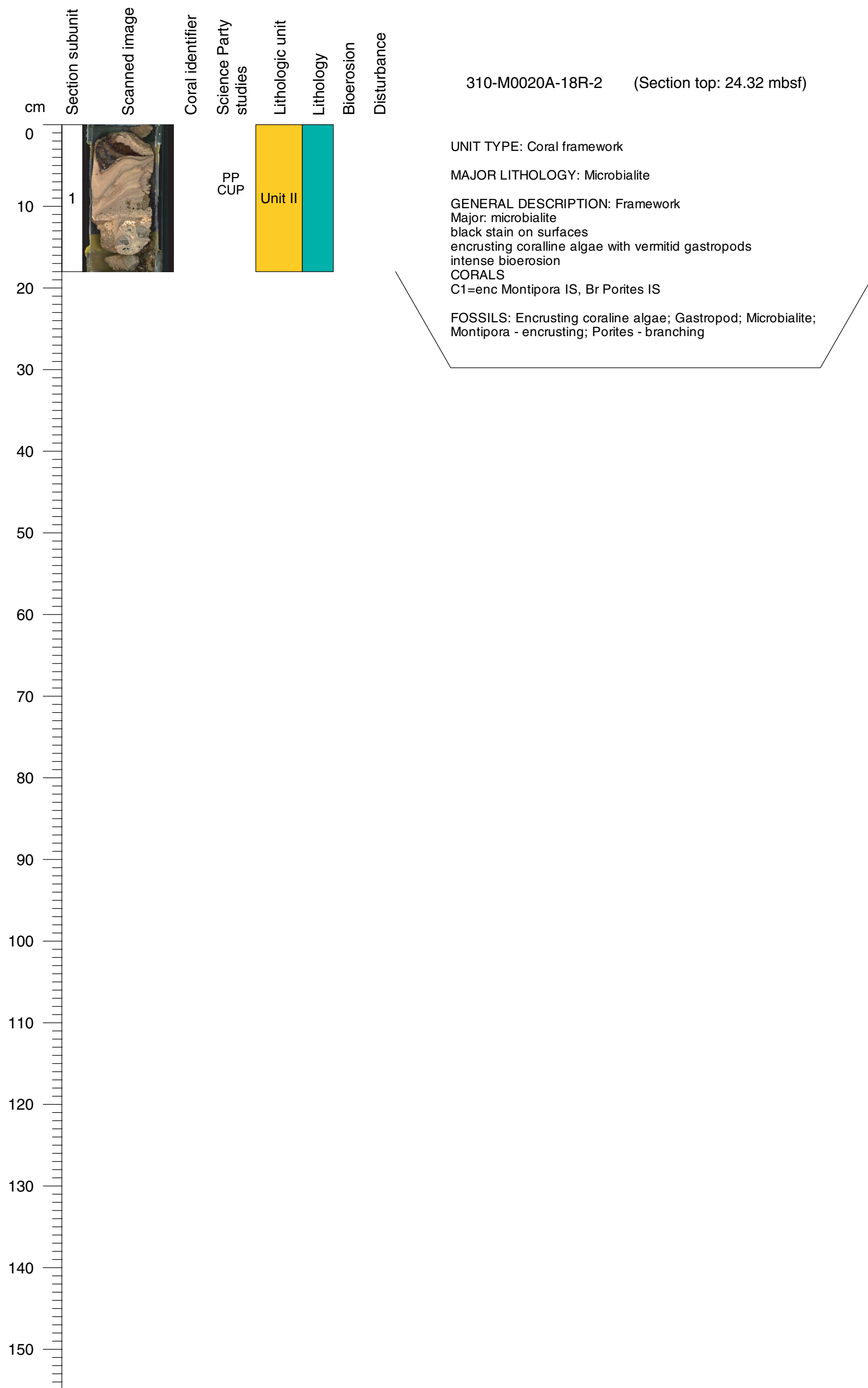


**Core Photo**

310-M0020A-18R-1 (Section top: 23.35 mbsf)

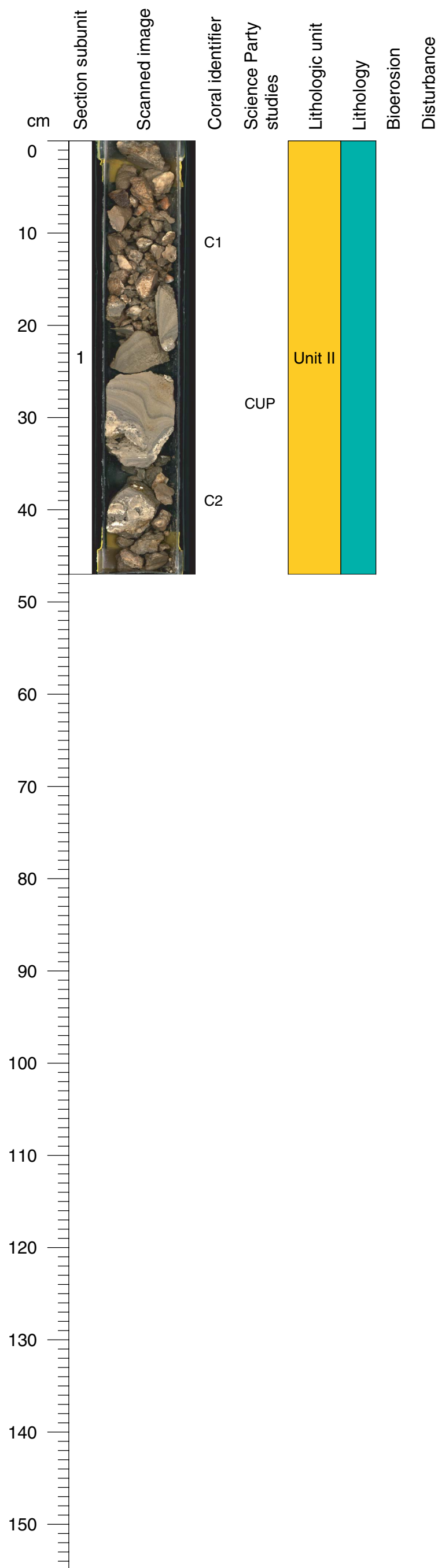


**Core Photo**



**Core Photo**

310-M0020A-19R-1 (Section top: 25.14 mbsf)



UNIT TYPE: Coral framework

MAJOR LITHOLOGY: Microbialite

GENERAL DESCRIPTION: crushed? framework  
 major: lamina microbialite  
 open vugs  
 microbialite surfaces smooth and knobby  
 encrusting coralline algae, multiple thin layers  
 corals: moderate bioerosion  
 upper part frags of microbialite, corals and encrusting coralline algae  
 core disturbance throughout

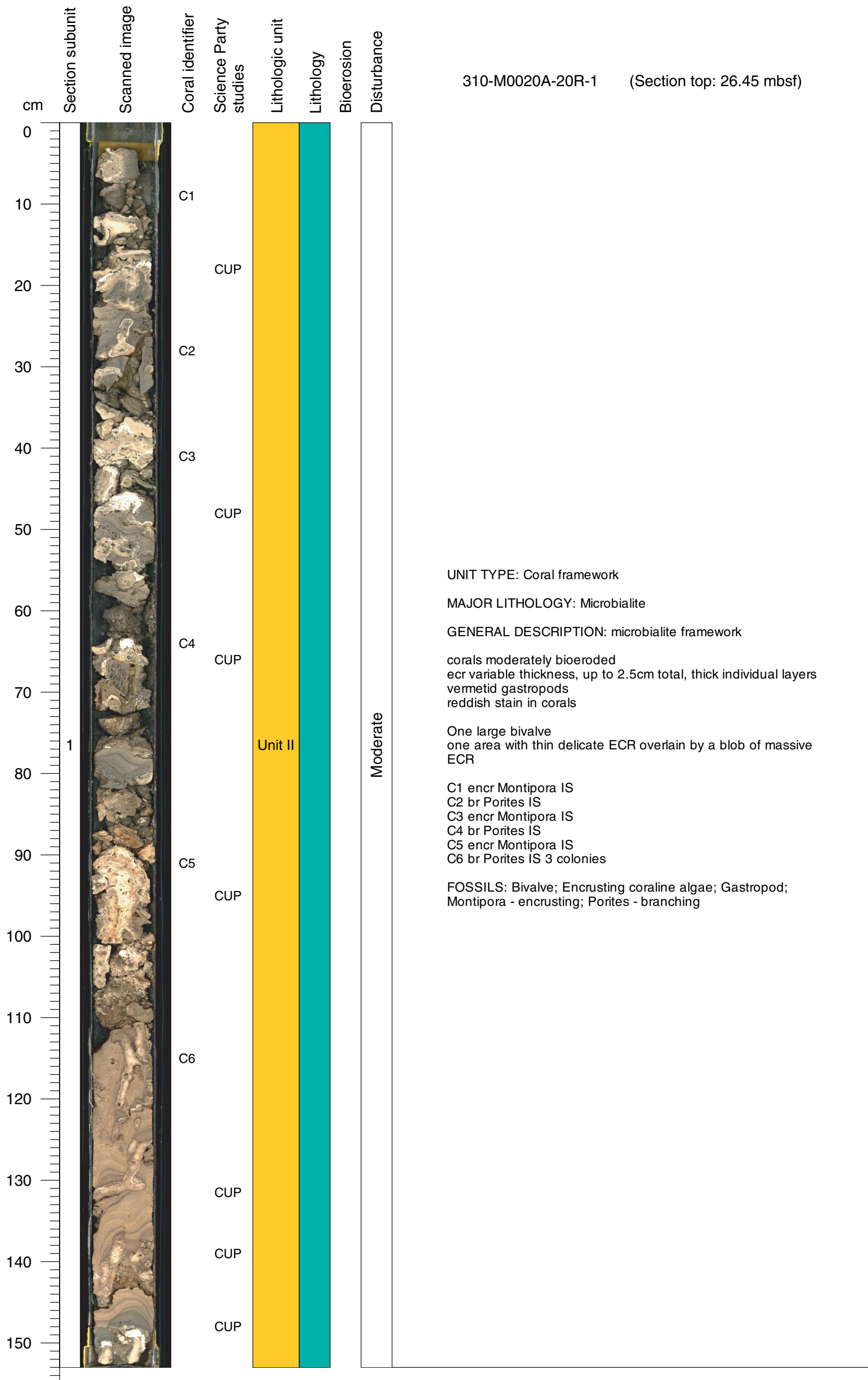
CORALS  
 broken fragments  
 C1=br Pocillopora, br Porites, enc Montipora  
 C2=br Porites IS?

FOSSILS: Encrusting coralline algae; Microbialite; Montipora - encrusting; Pocillopora - branching ; Porites - branching



Core Photo

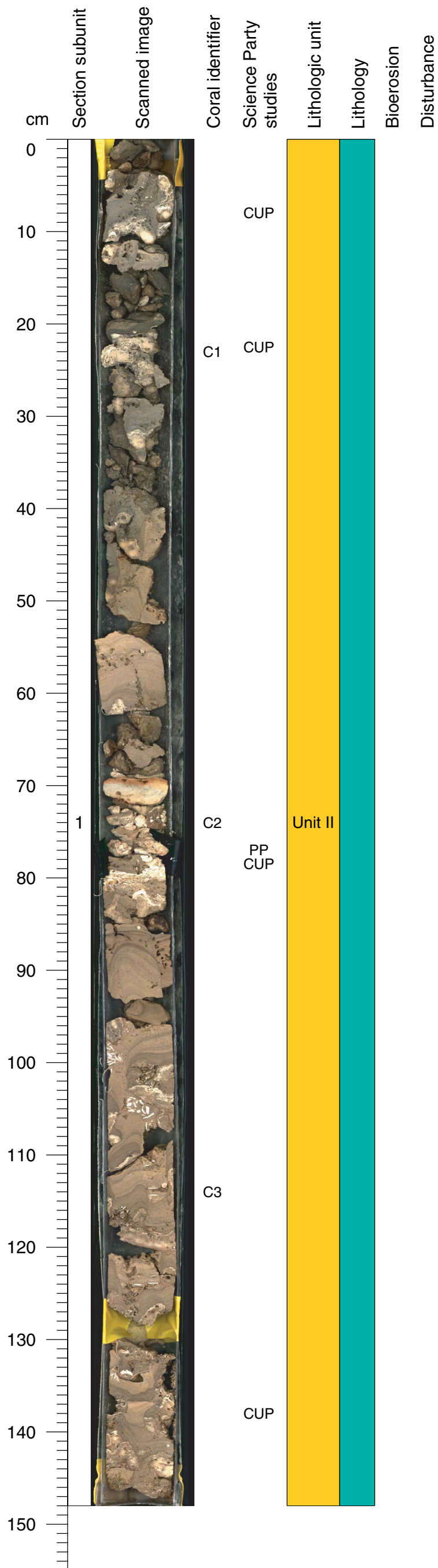
310-M0020A-20R-1 (Section top: 26.45 mbsf)





Core Photo

310-M0020A-21R-1 (Section top: 28.25 mbsf)



UNIT TYPE: Coral framework

MAJOR LITHOLOGY: Microbialite

GENERAL DESCRIPTION: microbialite framework

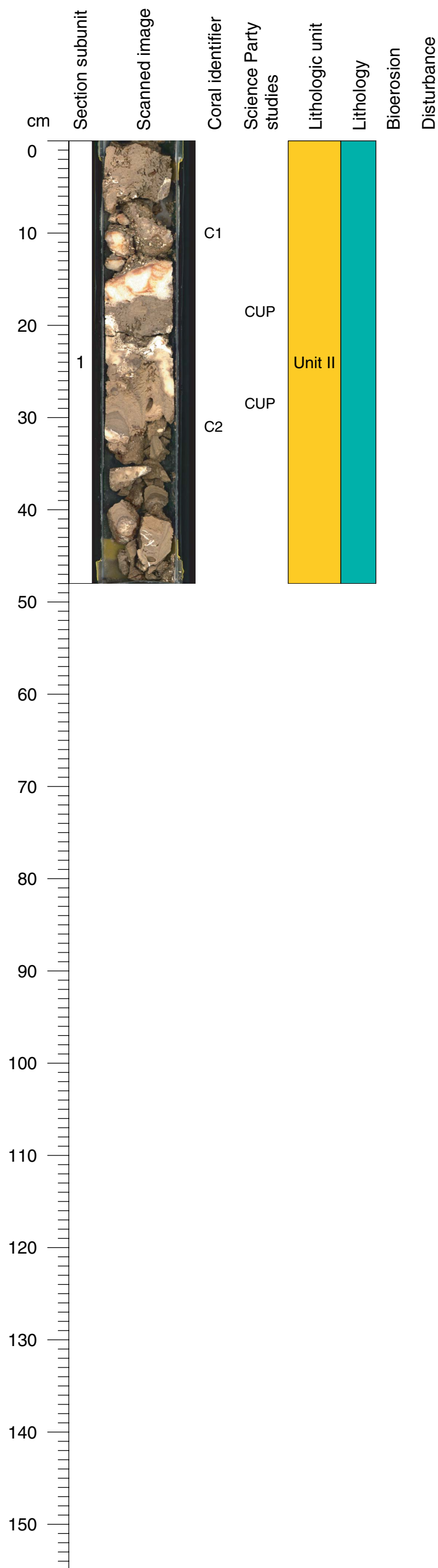
corals - heavy bioerosion  
 vugs open  
 Hal in pockets  
 encr multiple thin layers, some thick, vermetid gastropods  
 marine cement  
 reddish stains of surfaces and coral

C1 br Porites IS  
 C2 encr Porites and encr Montipora frags  
 C3 br Porites IS

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

**Core Photo**

310-M0020A-21R-2 (Section top: 29.73 mbsf)



UNIT TYPE: Coral framework

MAJOR LITHOLOGY: Microbialite

GENERAL DESCRIPTION: microbialite framework

ecr - delicate thin layers and very thick layers with vermetid gastropods  
Hal in pockets  
cement seams  
ech spines

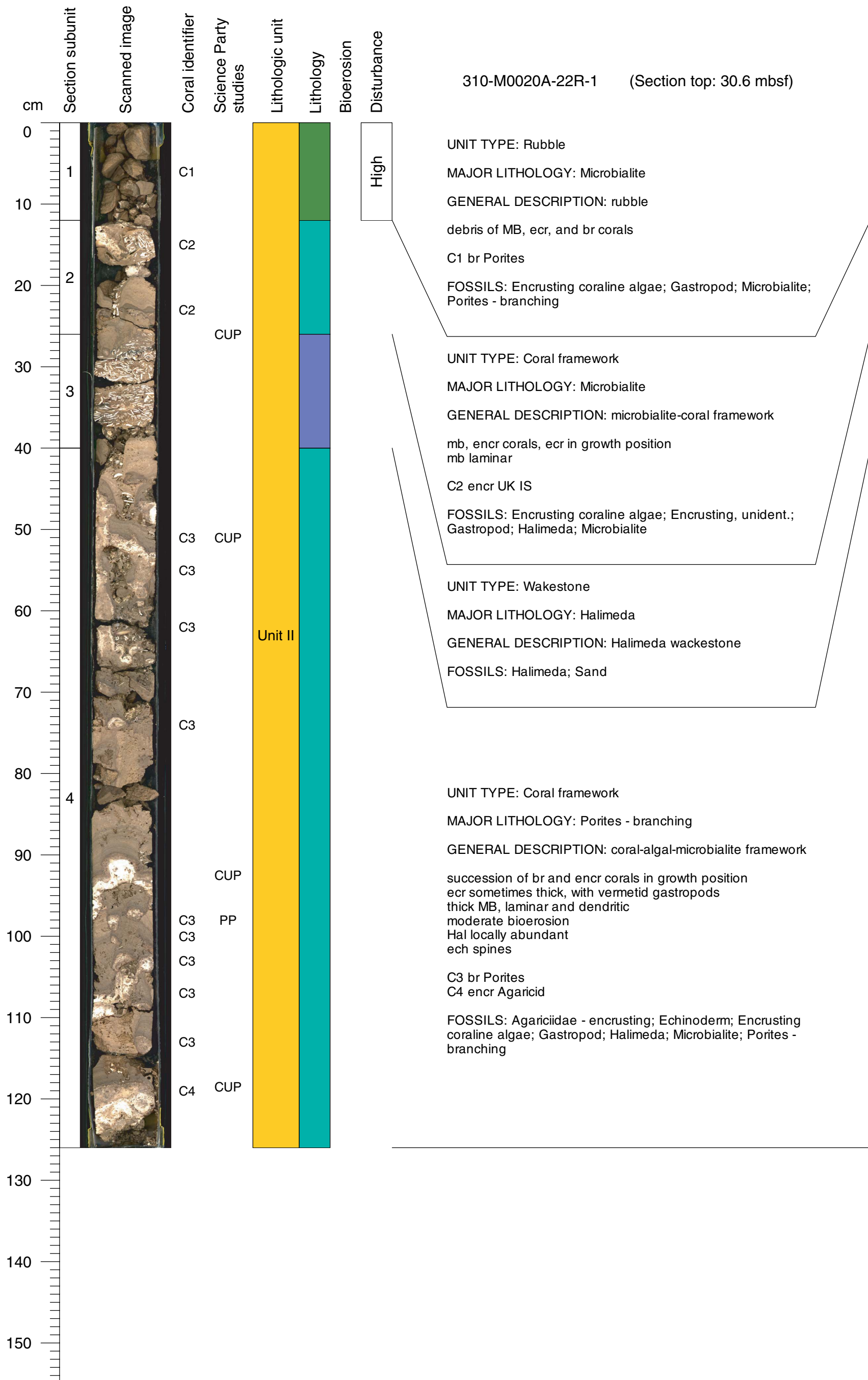
C1 rob br Pocillopora IS  
C2 br Porites IS

broken framework below

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

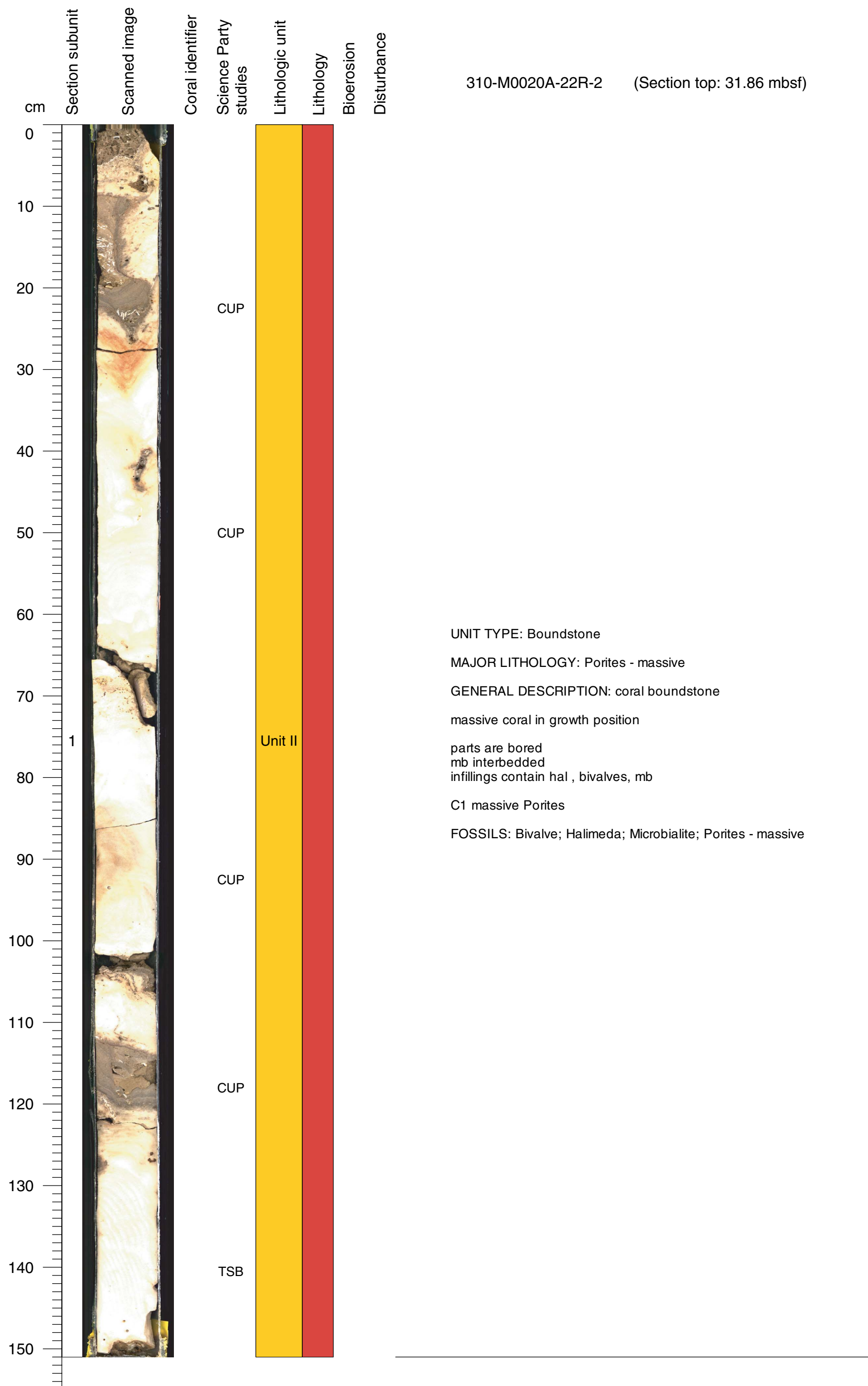


Core Photo

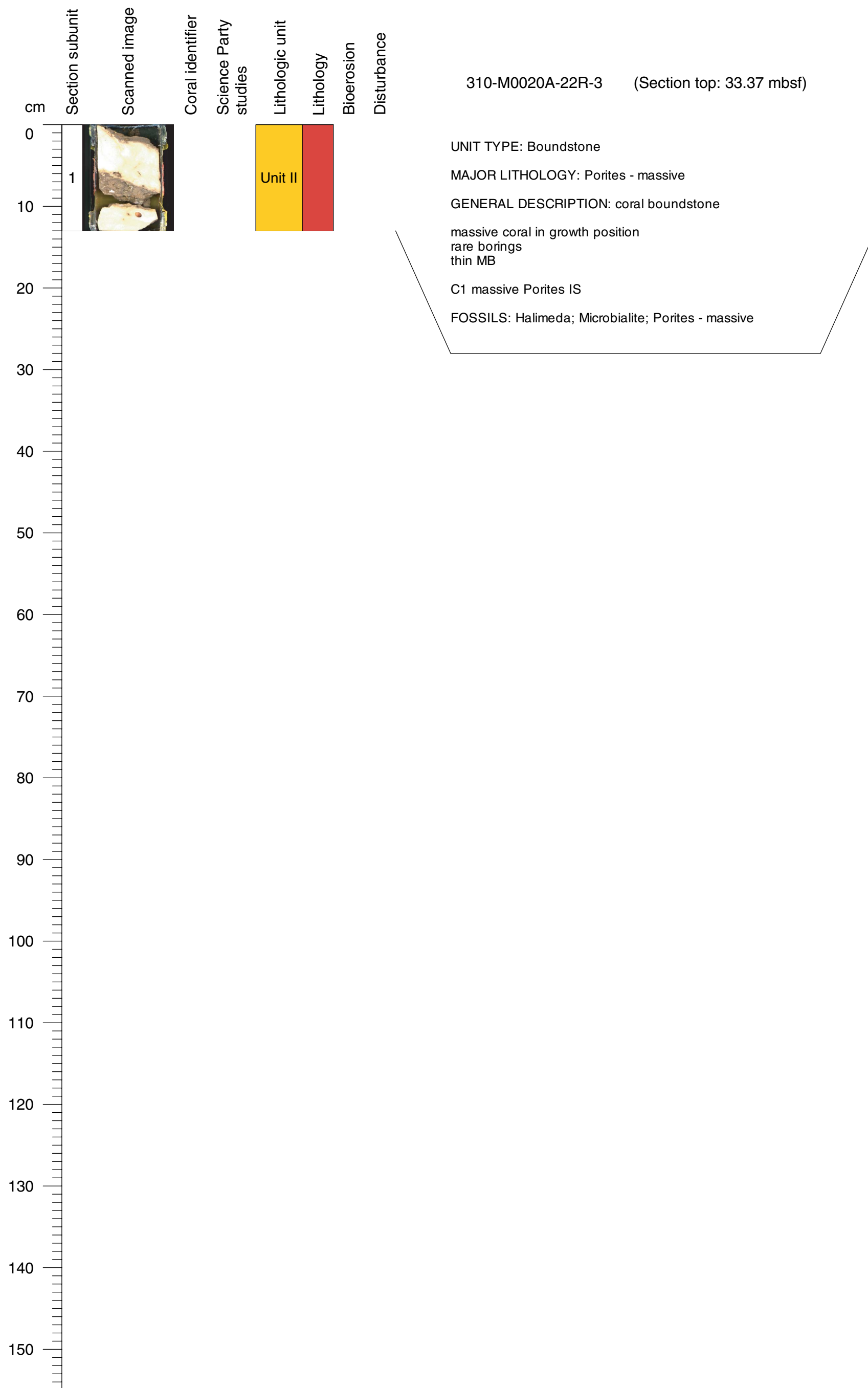


Core Photo

310-M0020A-22R-2 (Section top: 31.86 mbsf)

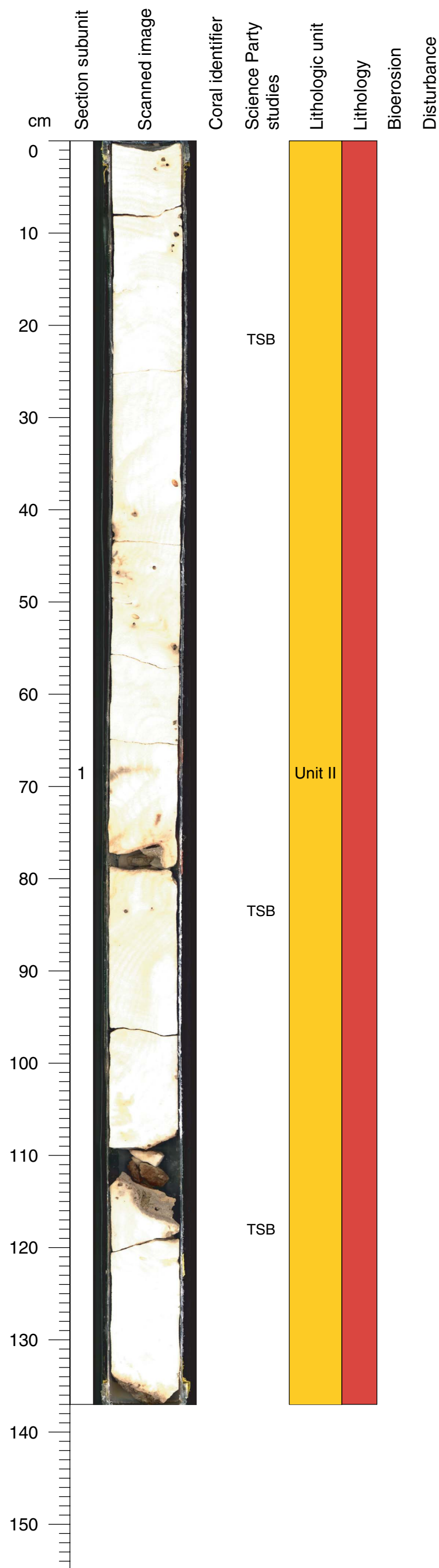


Core Photo



Core Photo

310-M0020A-23R-1 (Section top: 33.6 mbsf)



UNIT TYPE: Boundstone

MAJOR LITHOLOGY: Porites - massive

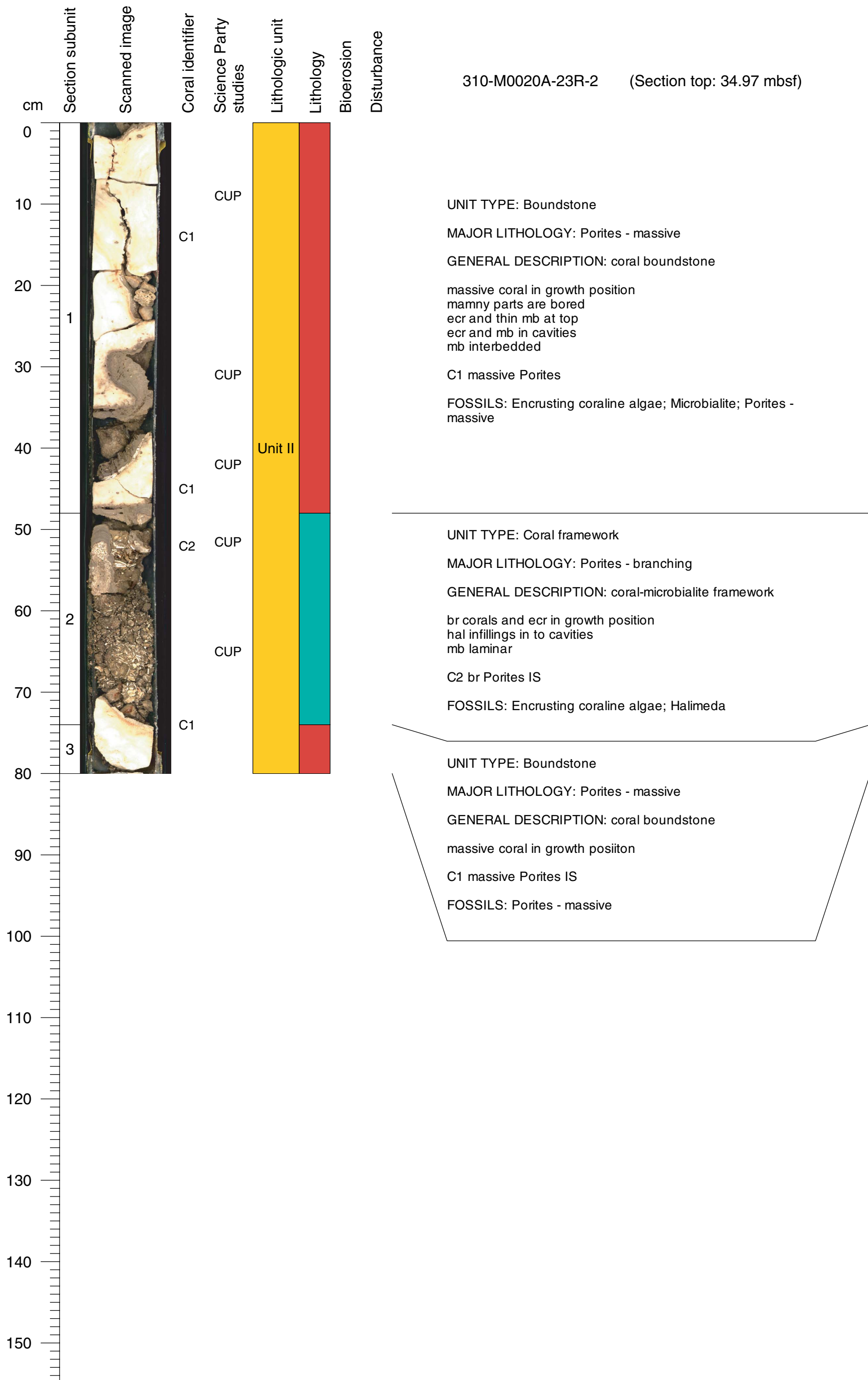
GENERAL DESCRIPTION: coral boundstone

massive coral in growth position.  
thin mb crusts inside cavities  
staining on surfaces = Fe?  
bioerosion noted

FOSSILS: Microbialite; Porites - massive

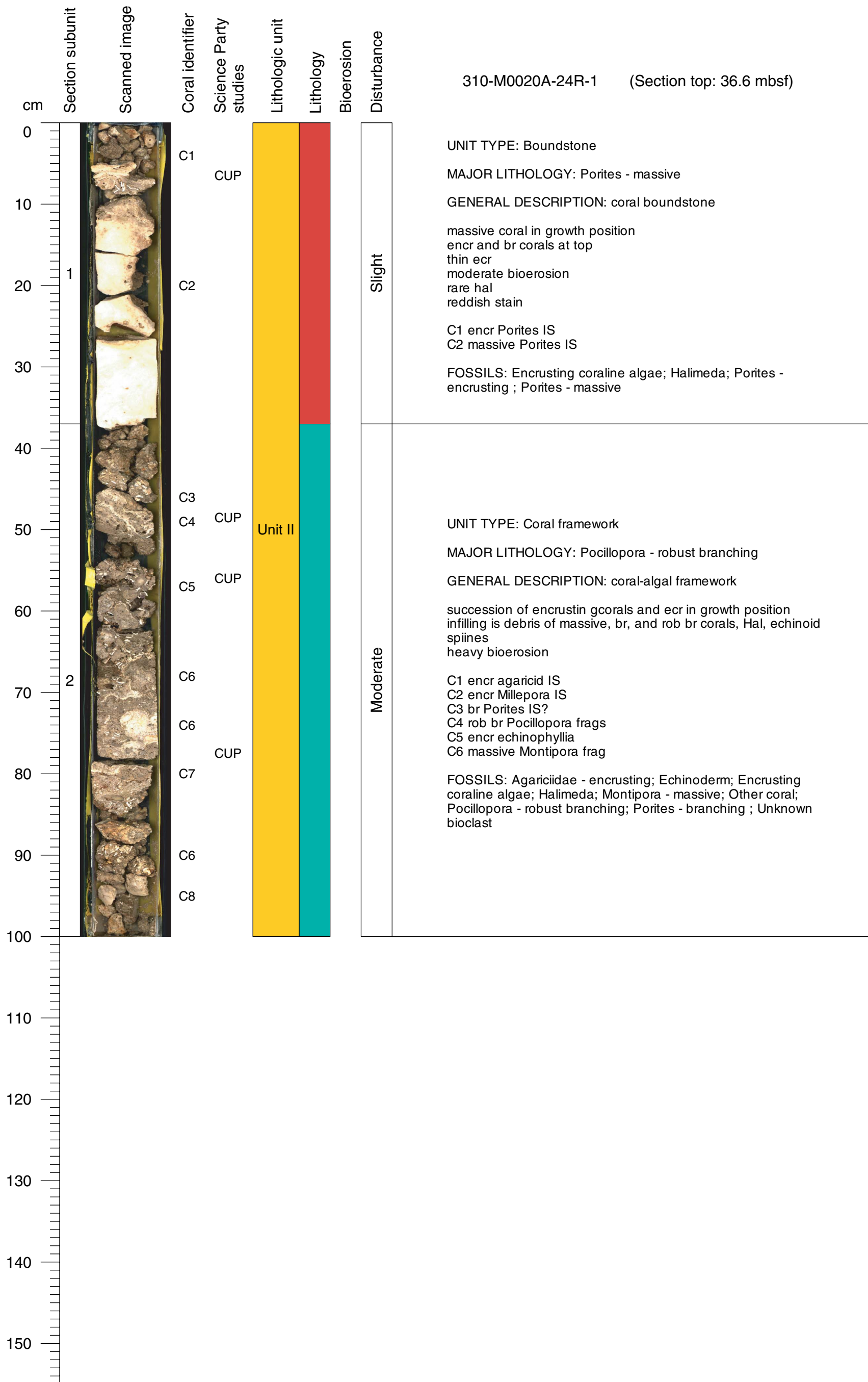
Core Photo

310-M0020A-23R-2 (Section top: 34.97 mbsf)



Core Photo

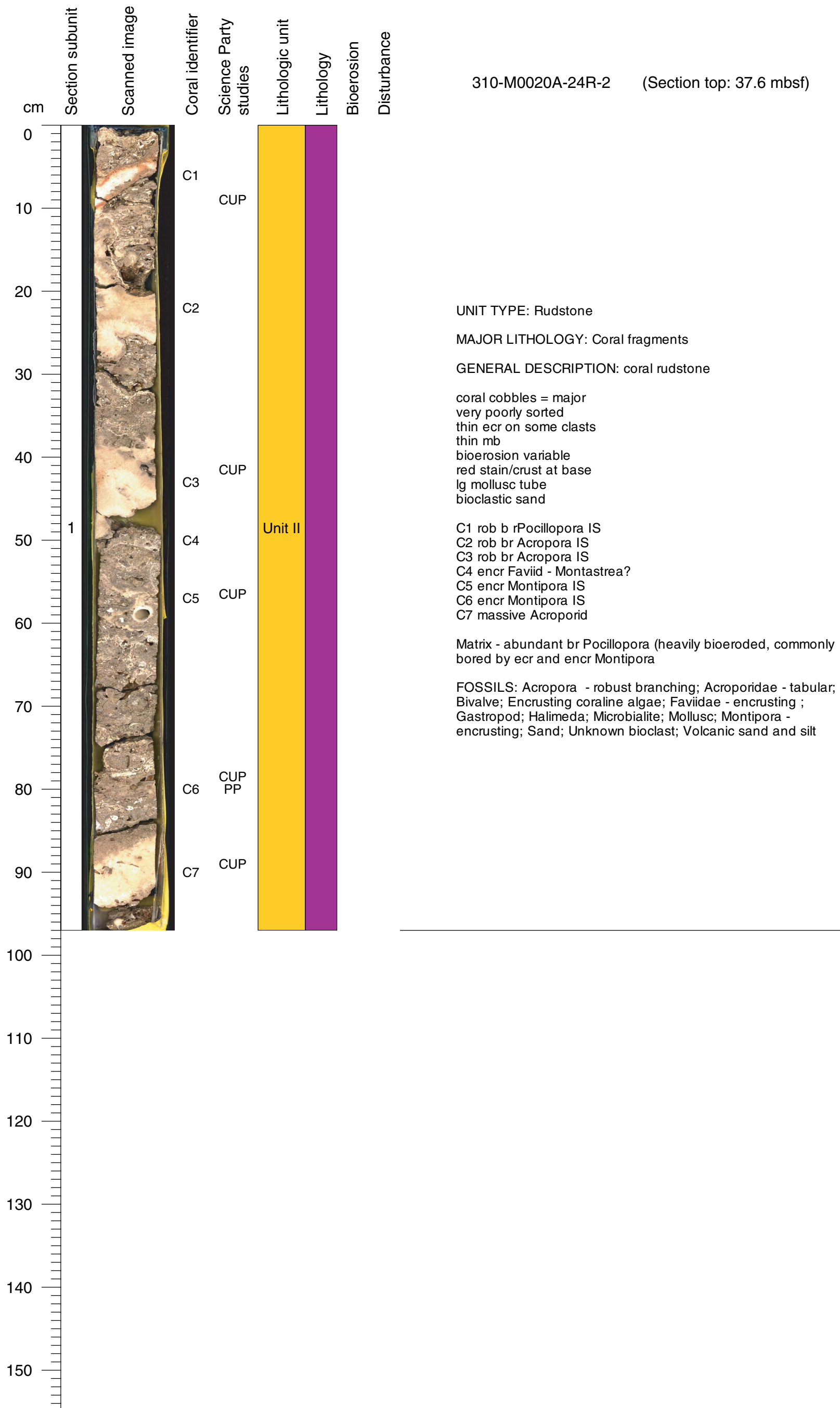
310-M0020A-24R-1 (Section top: 36.6 mbsf)





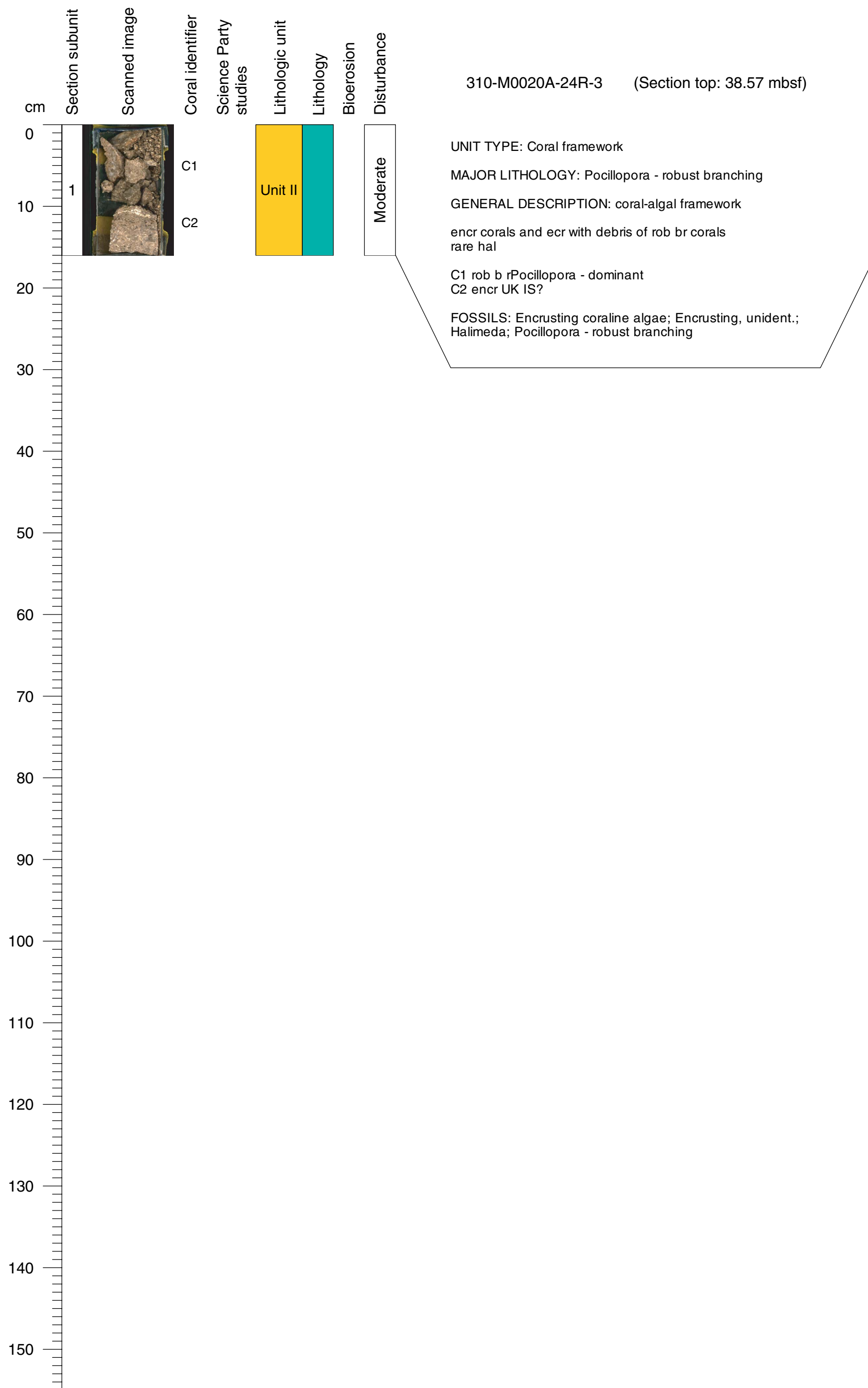
Core Photo

310-M0020A-24R-2 (Section top: 37.6 mbsf)



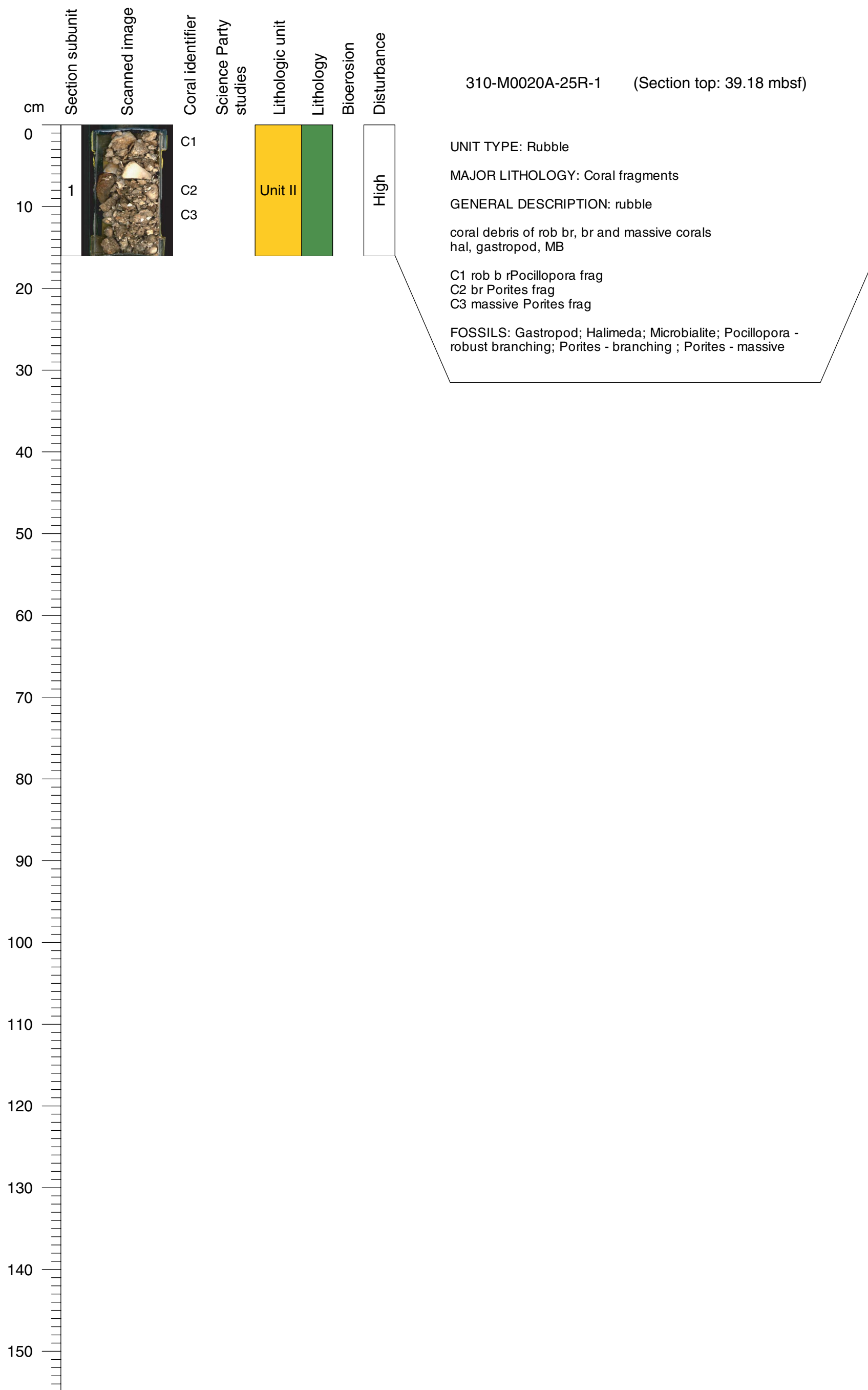
**Core Photo**

310-M0020A-24R-3 (Section top: 38.57 mbsf)



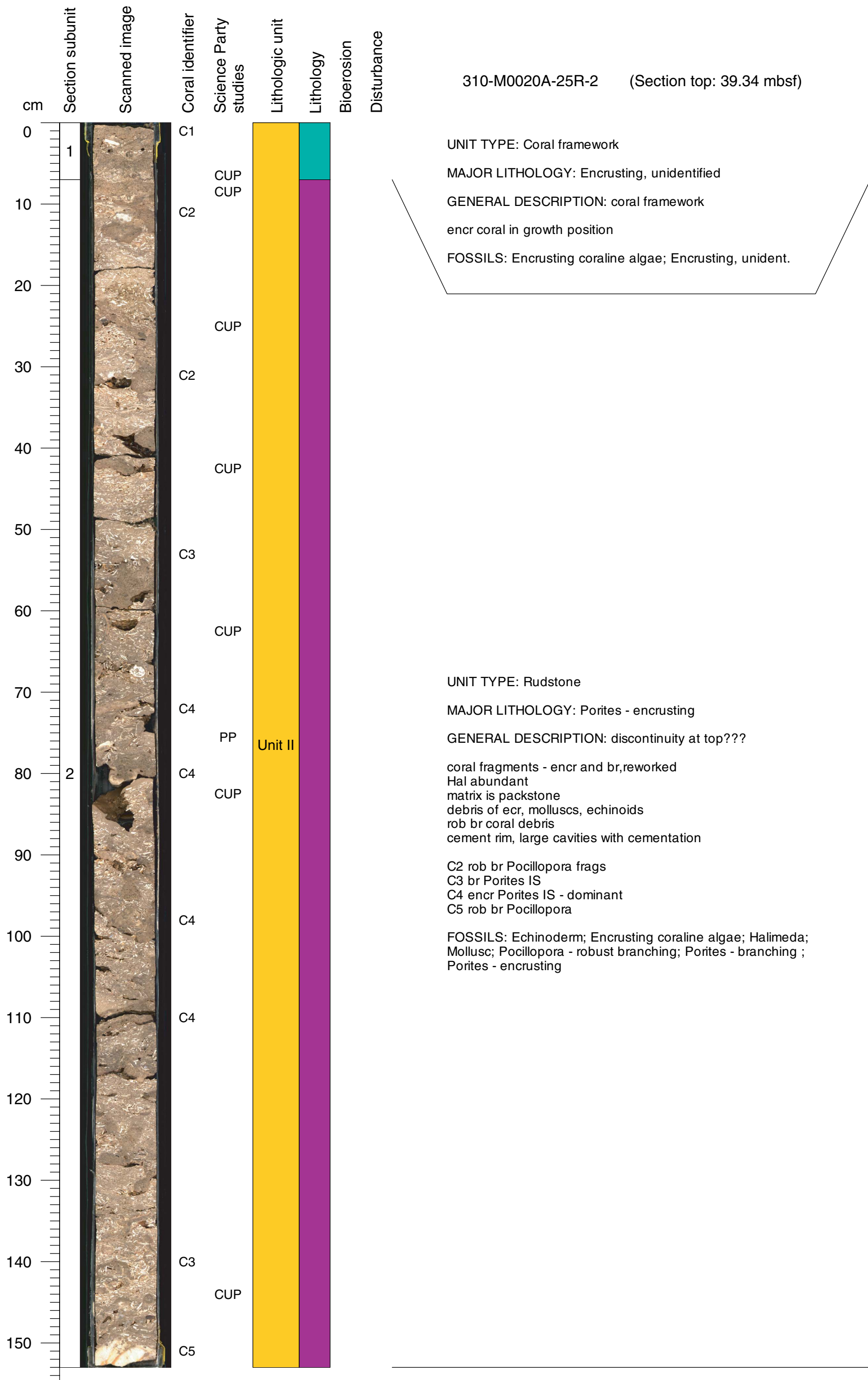
**Core Photo**

310-M0020A-25R-1 (Section top: 39.18 mbsf)



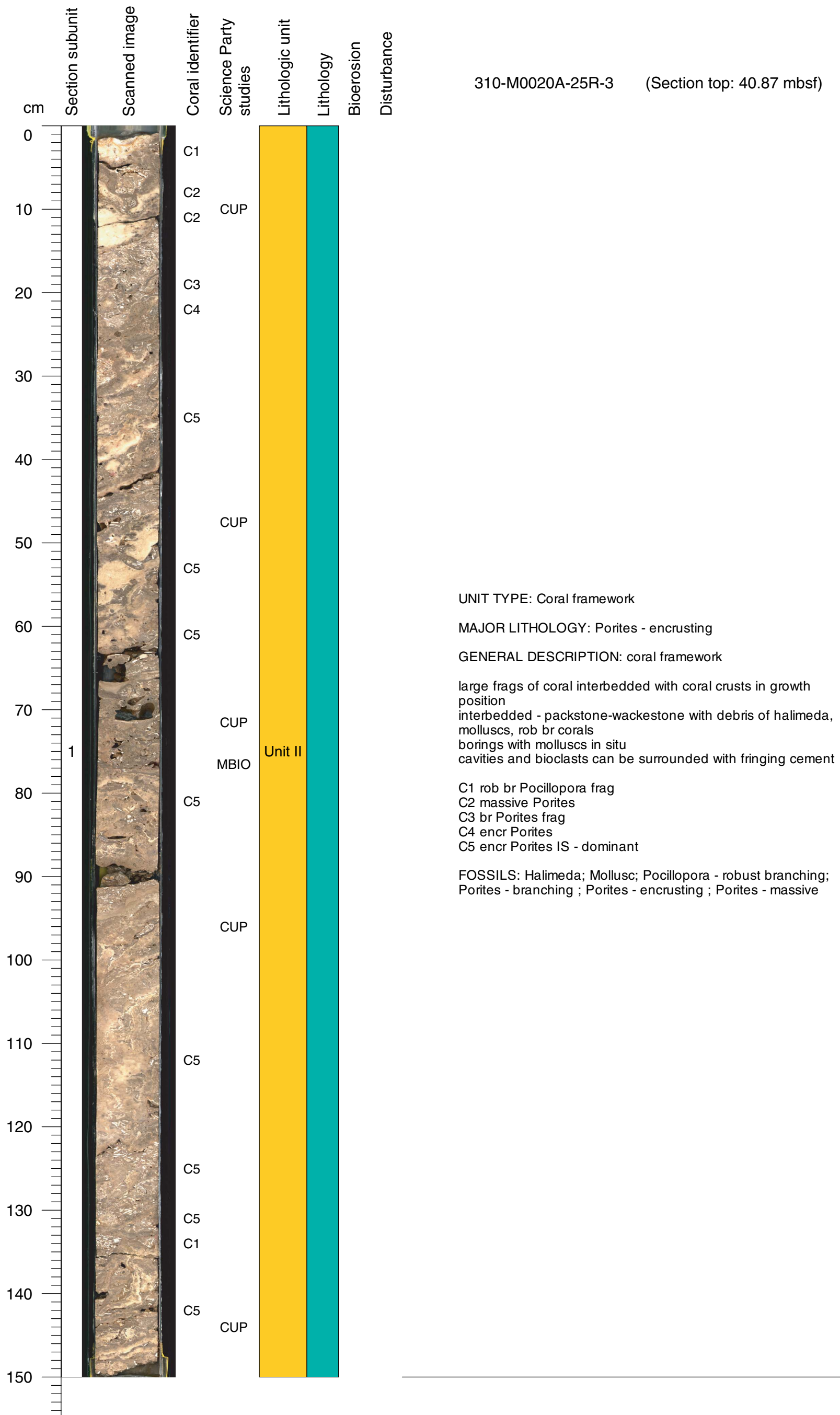
Core Photo

310-M0020A-25R-2 (Section top: 39.34 mbsf)



Core Photo

310-M0020A-25R-3 (Section top: 40.87 mbsf)



UNIT TYPE: Coral framework  
 MAJOR LITHOLOGY: Porites - encrusting  
 GENERAL DESCRIPTION: coral framework  
 large frags of coral interbedded with coral crusts in growth position  
 interbedded - packstone-wackestone with debris of halimeda, molluscs, rob br corals  
 borings with molluscs in situ  
 cavities and bioclasts can be surrounded with fringing cement

C1 rob br Pocillopora frag  
 C2 massive Porites  
 C3 br Porites frag  
 C4 encr Porites  
 C5 encr Porites IS - dominant

FOSSILS: Halimeda; Mollusc; Pocillopora - robust branching; Porites - branching ; Porites - encrusting ; Porites - massive

