NO Trigger Core for 47

CORE LOG

CORE ID 47 PC

SECTION IV

Lat.

Long.

Water Depth

Julia

silt lam @ top - see gamma log

	Color	contact: sharp	grad.	mottled	biogenous mat: foram	calc. Nanno	pter.	rad.	diatom	spicules	plant frag.	mol. Shell	grain size: gravel	sand	silt	clay	structure: lamin	grad. bed	X bed	mottles	homogen
T1A 0	5Y3/2									X											
10																					
T1	Hemi																				
T2 20										X											
	Hemip.																				
30					X			X	X	X	X										
T3 top only 40																					

REMARKS

Date Open & Desc.

Interval Depth 0-34cm

0-5 cm : olive gray clay 5Y3/2 with burrows and bioturbation

5-13 = Medium sand with fragments of spicules

13-18 : Hemipelagic clay 5Y3/2 with some bioturbation

18-20 : Silt layer

20-29 Hemipelagic clay

29-34 = Silt layer with abundant wood. Olive black 5Y2/1

@19cm - no ash

@29cm - no ash

tiny silt section at top - but not reliable as new top ~~silt~~ turbidit.

* No Mazama ash layer is present.

Note this top core section was dropped & fell on floor & reconstituted thus not certain & not sure what top is.

Fossils: X-Present C-Common B-Barren A-Abundant R-Rare

graded bed (turbidite)

ss-smear slide

Note there was no trigger core thus no good top sample was obtained.

CORE LOG

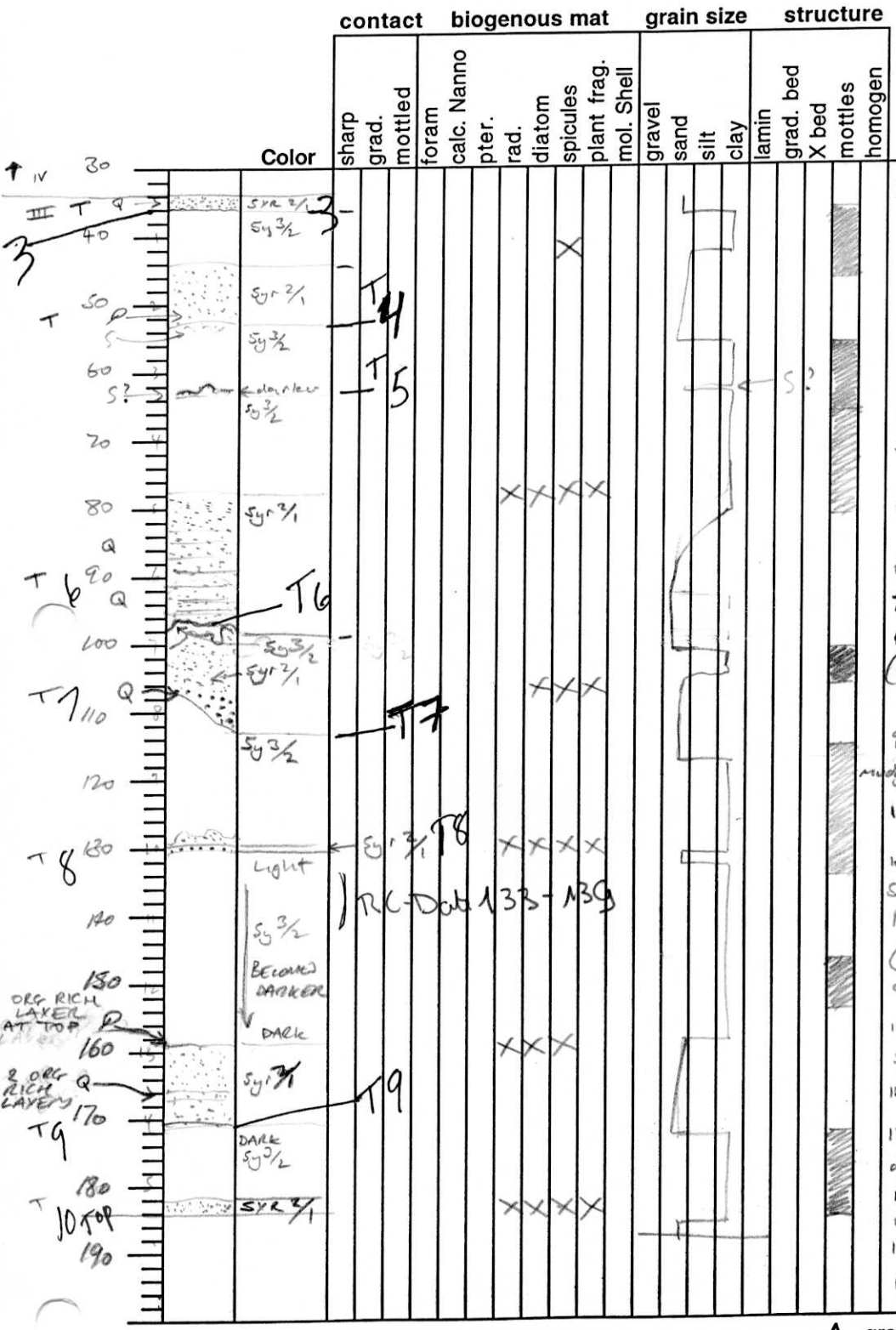
CORE ID MQ9-07-47PC

SECTION III

Lat.

Long.

Water Depth



REMARKS

Date Open & Desc.

Interval Depth 34-184

34-36 VFS with org. fragment in T sharp base

36-44 mottled mud (5y 3/2)

44-53 VFS with sharp base + Top slightly coarser at base than top. contains 2 very organic rich horizons at the base + @ 51cm.

53-61 mottled mud (5y 3/2) bioturbated with vfs @ top 2cm's

61-63 irregular layer of vfs prob. bioturbation

63-77 mottled mud (5y 3/2)

77-96 very organic rich normally graded FS → silt unif. coarsely laminated, (>1cm thick of very org. rich vs. less org. rich layers).

96-101 very mottled / mixed mud (5y 3/2) muddy-silt (5yr 2/1)

101-105 muddy-silt (5yr 2/1)

105-(108-113) vfs very org rich with slanted base - Note Top is flat! ∴ Prob. erosional base

(108-113)-127 5y 3/2 mud with black organic 'stains' in top half.

127-129 mottled 5y 3/2 mud + dark 5y 3/2 muddy-silt

129-131 VFS (5yr 2/1)

131-159 mottled 5y 3/2 mud becomes darker downwards

159-176 norm graded FS → VFS org. rich layers @ 166+167cm's + 159

170-181 mottled dark 5y 3/2 mud

181-184 NFS LAYER.

Fossils: X-Present C-Common B-Barren
A-Abundant R-Rare

graded bed (turbidite)

ss-smear slide

@ 43cm - no ash
@ 77cm - no ash
@ 104cm - no ash

@ 129cm - no ash
@ 158cm - no ash
@ 180cm - no ash

CORE LOG

CORE ID 47 PC (M99.07)

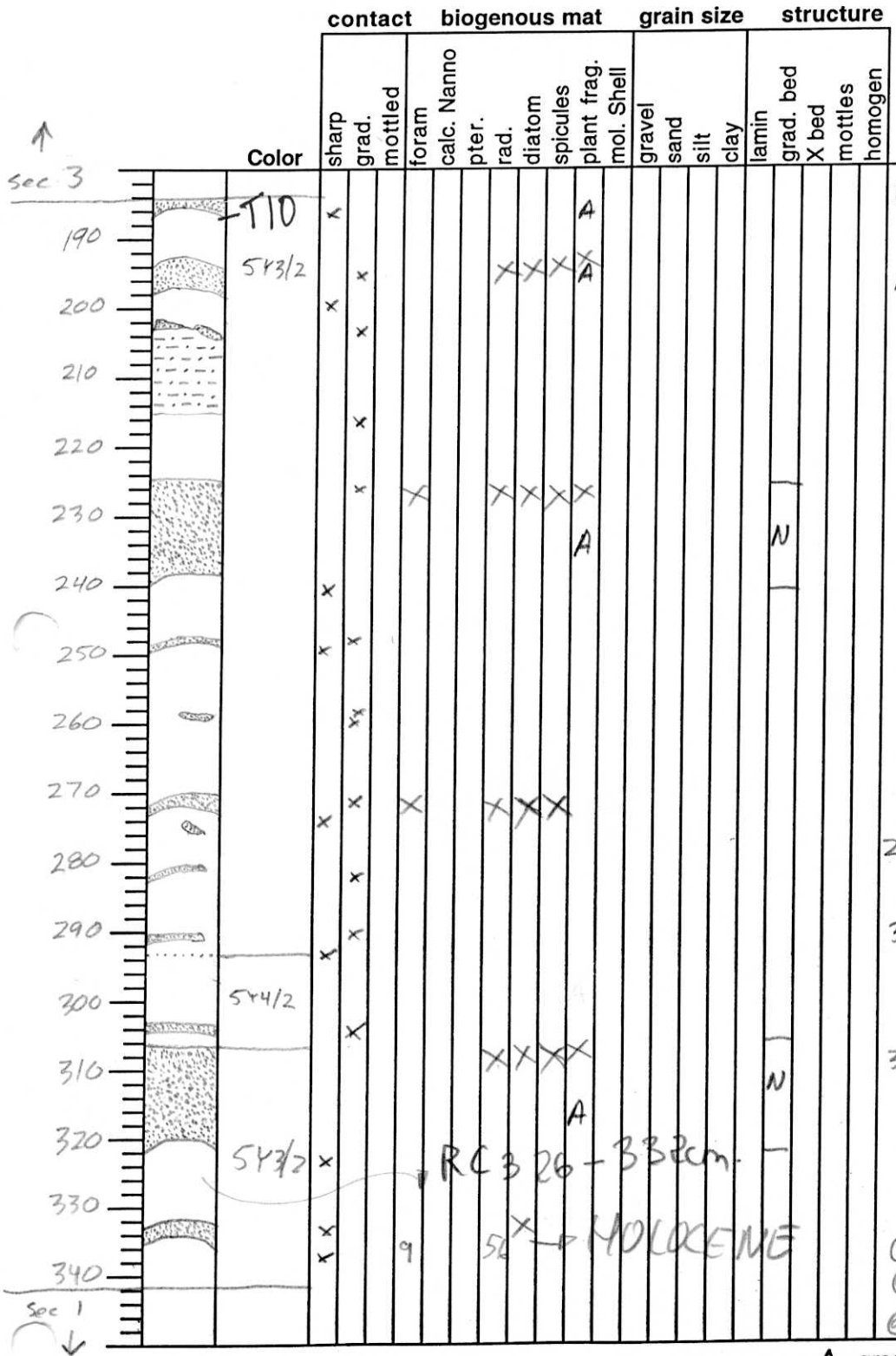
SECTION 2 (of 4)

Lat.

Long.

Water Depth

Mike



REMARKS

Date Open & Desc.

Interval Depth 184-342

184-293 massive homogenous dark olive firm clay with intervals of:

184-185 FS with wood fragments.

193-197 VFS with wood fragments

201-204 mottles of silt and hydrotrill like

204-215 silty clay

225-238 normally graded FS → VFS with wood fragments. Scoured base.

248-250 clean VFS

258-259 discontinuous VFS

270-274 doublet of VFS with wood fragments at top

274-276, 280-282, 290-291 discontinues silt to VFS layers

293-306 lighter, grayer clay than above and below.

302-320 normally graded FS → VFS. Layer of wood fragments @ 308-309 Sharp scoured base.

320-342 return to darker olive clay as in 184-293 with:

332-334 clean VFS. Scoured base

@194cm - no ash

@227cm - no ash

@273cm - no ash

@307cm - no ash

@335cm - no ash

Fossils: X-Present C-Common B-Barren
A-Abundant R-Rare

graded bed (turbidite)

ss-smear slide

CORE LOG

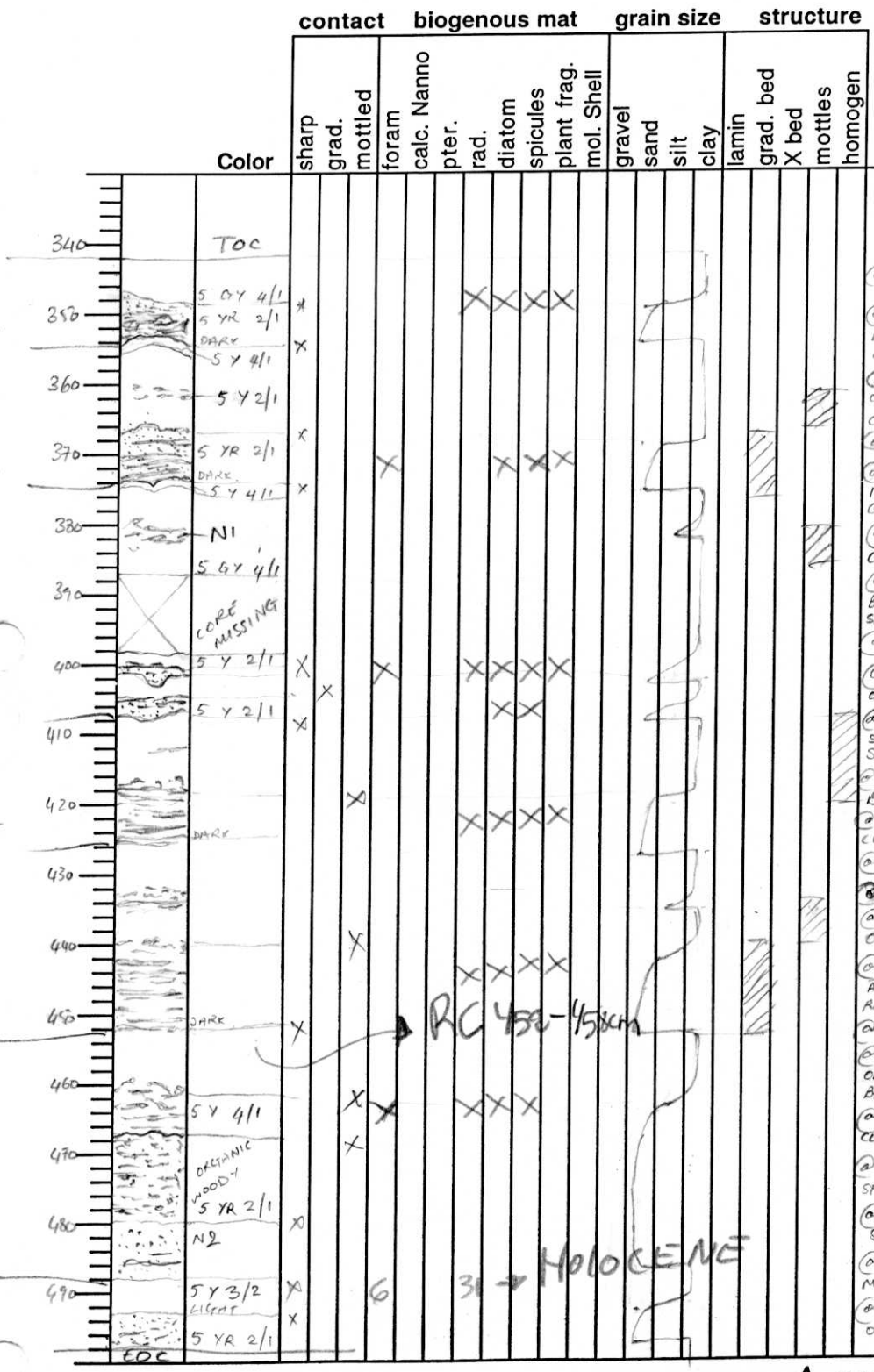
CORE ID M99-07-47PC

SECTION I

Lat.

Long.

Water Depth



REMARKS

Date Open & Desc.

Interval Depth 342-498

@342-346cm DARK GREENISH GREY MUD, SLIGHTLY MOTTLED (LIGHTER)

@346cm SHARP CONTACT. FS MIXED WITH MUDDY LAMINAE AND WOOD FRAGMENTS DISTINCT LAYERS OF WOOD/SAND.

@354-355cm V. NARROW LAYER OF LIGHT OLIVE GREY CLAY. EROSIVE TOP. GRADES TO DARK GREENISH GREY CLAY

@360cm MOTTLES OF OLIVE BLACK.

@366cm SILT/MUD + ORGANIC MATERIAL LAMINATIONS INTERCALATED WITH THIN MUD BEDS & WOODY LAYERS GRADES TO FS AT BASE (374cm)

@374cm SHARP CONTACT WITH LIGHT OLIVE GREY CLAY <1cm THICK.

@375-386cm DARK GREYISH GREEN MUD BIOTURBATED - BURROWS INFILLED WITH BLACK SOFT VVFINE SEDIMENT.

@386-398cm MISSING SECTION.

@398-400cm MOTTLED (WITH DARK SEDIMENT) OLIVE BLACK CLAY EROSIVE BASE WITH

@400-402cm EROSIVE CONTACT WITH ORGANIC VF SAND MIX. SAND COLOUR GREYISH BLACK, DEEP SCOUR BASE

@402-404cm. OLIVE BLACK CLAY. GRADES AT BASE TO SILTY/MUD MIX

@404-406cm MUD / VFS GREY BLACK LAYERS TO CLEAN SAND AT BASE. SHARP EROSIVE CONTACT.

@406-418 DARK OLIVE CLAY

@418cm MOTTLED CONTACT DARK GREY SILT

@413-426cm INTERCALATED OLIVE GREY MUDS ORGANIC LAYERS, VFS → FS AT BASE

@426-442cm OLIVE GREY CLAY BIOTURBATION AT 434cm GRADUALLY BECOMES MORE SILT RICH AND MOTTLED AT BASE.

@442cm MOTTLED CONTACT

@442-452cm INTERCALATED OLIVE GREY MUDS ORGANIC & VFS LAYERS GRADES AT BASE EROSIVE BASE.

@452-460cm. FAIRLY HOMOGEN. OLIVE GREY CLAY. MOTTLED AT BASE

@460cm MOTTLED CONTACT DARK GREENISH GREY SHARP BASE AT 468cm

@468-480cm V. WOOD RICH LAYERS MIXED WITH SANDS/SILTS

@480-488cm SHARP CONTACT WITH FS WITH MUDDY LAMINAE TOWARDS BASE

@488-492cm SHARP CONTACT WITH MOTTLED OLIVE GREY MUD.

@492-498cm. CONTACT WITH SILT/VFS MIXED WITH WOOD ORGANIC MATERIAL

Fossils: X-Present C-Common B-Barren A-Abundant R-Rare

graded bed (turbidite)

ss-smear slide

@348cm - no ash
@371cm - no ash
@400cm - <1% ash
@405cm - <1% ash
@419cm - no ash
@442cm - 1% ash
@463cm - no ash