

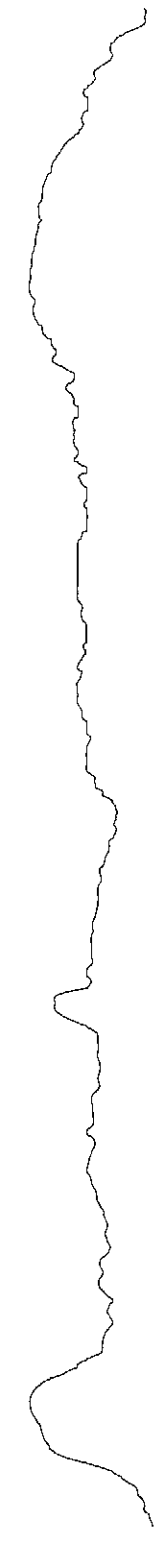
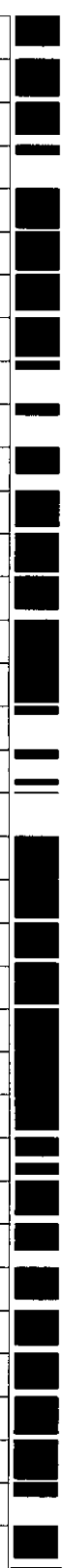
Qh55-10

gam

core
recovery

res(16N)

0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150
160
170
180



Sand, m-c, grd dn to f; silt lam cn, dk to lt gry (0-4)
 Sand, f-vf grd dn to m-c, silt lam cn,
 some charcoal granules, lt brnsh gry to dk gry (4-10)
 Silt, sdy, f-vf, grd dn by 16' to Silt, cly,
 with Crassostrea shl, dk grnsh gry (10-23)
 Clay, silty, sticky, with scat thin bd and lam
 of shell (Crassostrea), few silt-filled burrows, dk grnsh gry (35-40)
 Wood (stump or log) over Sand, m-f, mod cly to cly, sticky,
 with abd vert hair rootlets, grnsh gry (40-44)

Omar Fm.

Sand, f-vf, some mica, homogeneous
 other than scat f-m and m-c sand lam,
 grnsh gry (44-80)

**fine sand unit
Omar?
Formation**

Sand, stacked beds of f-m grd dn to
 m-c, beds about 0.5' thick, some ohm
 lam, lt gry (80-118)

Beaverdam Fm.

Clay, silty, w/ vf sd and silt lam, few lam of org frag, dk gry (118-121)

Sand, c-vc, granules and sml pbl cn, ohm lam cn,
 large piece of wood at 125', gry (121-140)

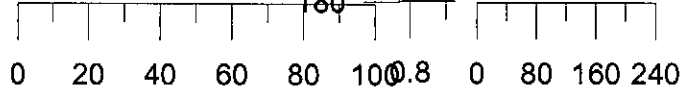
Interbedded f-m and c-vc Sand, beds 0.3'-0.5' thick,
 gry (140-159)

Clay, silty, with distinct sand-filled burrows,
 grnsh gry (159-166)

Bethany Fm.

Sand, f-vf, with patches of Clay, silty, extremely bioturbated, dk grnsh gry ((166-170)

Sand, f-vf, silty silty, few ohm lam, few
 fragments of wood (170-180)



Qhuv-10

Sample #	Core #	Core Start (ft)	Core Stop (ft)	Depth Start (ft)	Depth Stop (ft)	Description	Comments	Strat Unit
101534	1	0	5	0.00	0.10	Root mat, gray silt and grass		Fill
				0.10	0.50	Sand, c-vc, gran and sml pbl cn, pale yellow 2.5Y 7/4, sharp contact with below (fill)		Fill
				0.50	2.00	Sand, f, v dark gray 10YR 3/1, strless, moderately silty, slightly clayey, scattered vc-gran, tr organics (roots)		Qo
				2.00	2.10	as above with thin lt gry vf clayey sand laminae		Qo
				2.10	2.95	Sand, f, silty, slightly cly, silt and clay % decreases downward, dark gray 10YR 4/1, grayish brown (organic rich?) silt laminae (2.7-2.95)	color becomes considerably lighter upon drying (white 2.5Y 8/1)	Qo
				2.95	3.40	Sand, f, granule lamina at 3.25, grayish brown silt laminae (3.3-3.4), light brownish gray 2.5 Y 6/2	as above	
				3.40	5.00	no recovery (partly due to compaction of above)		
101535	2	5	10	5.00	6.50	Sand, f, lt brnsh gray 2.5Y 6/2, few pieces of charcoal, strless, may be bioturbated		
				6.50	7.40	Sand, f-vf, gray 2.5Y 5/1, silt laminae common, granule to vc clasts of charcoal common, sand grades dn to m at 7.4; few scattered thin vertical burrows		
				7.40	8.00	Sand, m, gray 2.5Y 5/1, few silt laminae, sugar sand texture		
				8.00	9.20	Sand, m-c, slightly silty, dark gray 2.5Y 4/1, scattered burrows filled with f vf sand		
				9.20	10.00	no recovery		
101536	3	10	15	10.20	10.25	Sand, f-m, dark gray 2.5 Y 4/1, sharp contact with below	color lightens upon drying to light gray	
				10.25	10.40	Silt, clayey, dark greenish gray 1 Gley 5 GY 3/1, sharp contact with below		
				10.40	13.40	Silt, sandy to Sand, silty vf, dark greenish gray 1 Gley 5GY 3/1, clayey silt laminae 10.65 to 10.70 (like 10.25-10.4), vf white sand laminae 11.05 to 11.10, clayey laminae 11.3 to 11.5, clayey silt filled burrow at 12.5, otherwise homogeneous (thoroughly bioturbated), vf mica grains common to abundant		
				13.40	13.70	as above with chalky (weathered) oyster shells		
				13.70	15.00	no recovery		
101537	4	15	20	15.00	15.25	Sand, f-m, light gray 2.5Y 7/2, loose	could be wash	
				15.25	16.00	Silt, clayey, very dark gray 5Y 3/1, sdy, vf-f, and Shell, fragments and whole <i>Crassostrea</i> shells, very clayey 15.8 to 16.0		
				16.00	20.00	no recovery, trace of vf sand below above sample		

Q100-10

Sample #	Core #	Core Start (ft)	Core Stop (ft)	Depth Start (ft)	Depth Stop (ft)	Description	Comments	Strat Unit
101538	5	20	25	20.00	23.50	Clay, silty to Silt, clayey, dark greenish gray 1 Gley 5GY 3/1, thin beds and laminae of fragments and whole <i>Crassostrea</i> shells (20.25-20.5; 20.6-20.82; 20.9-21.1; 21.4-21.55; 21.95-22.0; 22.35-22.4)		
				23.15	23.40	Silt, sandy, vf, dark greenish gray 1 Gley 5GY 4/1, sharp contact with below with few small pbl and granules at contact		
				23.40	24.50	Clay, silty to Silt, clayey, dark greenish gray 1 Gley 5G 4/1 with patches of lighter color silt give core a mottled appearance (strongly bioturbated)		
101539	6	25	30	25.00	28.50	Clay, silty, dark greenish gray 1 Gley 5G 4/1 with patches of Silt giving the core a mottled appearance (strongly bioturbated), very compact		
				28.50	29.20	as above, with more Silt		
				29.20	29.40	as above, color change slightly darker		
				29.40	30.00	no recovery		
101540	7	30	35	30.00	30.50	Clay, silty, dark greenish gray 1 Gley 5G 4/1 with patches of Silt giving the core a mottled appearance (strongly bioturbated), very compact		
				30.50	32.40	Clay, silty, grades from color above to very dark gray 5Y 3//1, silty sandy, f, sand % increased dn to sandy, f-m, few granules at base, less compact than above		
				32.40	34.10	Clay, silty, dark greenish gray 1 Gley 5G 4/1, homogeneous		
				34.10	35.00	no recovery		
101541	8	35	40	35.00	37.35	Clay, silty, sticky dark greenish gray 1 Gley 5G 4/1, scattered thin shell beds and laminae (mostly <i>Crassostrea</i>) (0-0.3; 0.8-1.15; 1.4-1.5; 1.8-1.9; 2.05, 2.35), very homogeneous		
				37.35	39.40	as above, but with rare shell, silt-filled burrow 3.55		
				39.40	40.00	no recovery		
101542	9	40	45	40.00	40.30	Silt, sandy, f, organic rich, black 5Y 2.5/1		
				40.30	40.90	Wood, black, vertical grain, stump?		
				40.90	45.00	No recovery		
101543	10	45	50	45.00	46.20	Sand, m-f, moderately clayey, sticky, greenish gray 1 Gley 5 GY 5/1, abundant vertical hair rootlets (from tree above?), vc-gran cn		
				46.20	50.00	no recovery		
101544	11	50	55	50.00	51.30	Sand, f-vf, silty, silty cly, greenish gray 1 Gley 5G 6/1, moderately micaceous		
				51.30	51.50	Gravel, sandy, m-c, pbl up to 1 inch diameter, quartz, black chert		
				51.50	52.80	Sand, f-vf, medium common, greenish gray 5GY 6/1, few opaque heavy mineral laminae, few grains muscovite		
				52.80	53.00	Sand m-c, vc to granule common, pale olive 5Y 6/4		
				53.00	55.00	no recovery		
101545	12	55	60	55.00	57.50	Sand, interlaminated f-vf and m-c, greenish gray to pale olive		

Qh00-10

Sample #	Core #	Core Start (ft)	Core Stop (ft)	Depth Start (ft)	Depth Stop (ft)	Description	Comments	Strat Unit
				57.50	59.15	Sand, f-vf, slightly silty, scattered fine to medium laminae, few muscovite grains, greenish gray 1 Gley 5GY 6/1		
				59.15	60.00	no recovery		
101546	13	60	65	60.00	64.40	Sand, f-vf, slightly silty, greenish gray 1 Gley 5G 6/1, few medium laminae, faint opaque heavy mineral laminae, otherwise homogeneous, some greenish grains may be glauconite		
				64.40	65.00	no recovery		
101547	14	65	70	65.00	66.20	Sand, f-vf, slightly silty, greenish gray 1 Gley 5G 6/1, few medium laminae, faint opaque heavy mineral laminae, otherwise homogeneous, some greenish grains may be glauconite		
				66.20	67.20	Sand, vf, silty, to Silt, sandy, vf, greenish gray		
				67.20	68.40	Sand, vf, silty, with some opaque heavy mineral laminae at 67.25, 67.4, 67.48, greenish gray 5GY 5.1		
				68.40	68.70	Sand, vf, silty, to Silt, sandy, vf, greenish gray		
				68.70	70.00	no recovery		
101548	15	70	75	70.00	74.60	Sand, vf-f, silty, greenish gray 5GY 5/1, muscovite grains common, few laminae outlined by mica flakes, otherwise homogeneous, silt laminae, (greenish gray) from 3.75 to 3.8		
				74.60	75.00	Sand, f-vf, some m, gray, 5Y 5/1, opaque heavy minerals common		
101549	16	75	80	75.00	76.70	Sand, f-vf, moderately to slightly silty, pale yellow 5Y 7/3, with vf to silt laminae (brownish green- no good Munsell color match) grades down to vf-f, silty		
				76.70	77.35	Sand, f, pale yellow, with opaque heavy mineral laminae, some medium at bottom		
				77.35	79.60	Sand, vf, to Silt, sdy, vf, pale yellow, fine laminae at 79.5, abundant opaque heavy mineral laminae		
				79.60	80.00	no recovery		
101550	17	80	85	80.00	80.70	Sand, vc to granule, pale yellow 2.5Y 7/3, sml pbl cn	wash?	
				80.80	80.90	Sand, f to vc, mostly m-c, slightly silty, gray 5Y 6/1, few granules		
				80.90	85.00	no recovery		
101551	18A	85	88.5	85.00	86.00	Sand, c-vc, lt gry 2.5 Y 7/2, abd granules, pebble laminae 85.2 to 85.4, pebbles up to 1 inch diam., qtz, chert	cored through quartzite cobble	
				86.00	88.50	no recovery		
101552	18B	88.5	90	88.50	89.00	Sand, c-vc, with abundant granules and small pebbles, lt gray	mostly wash	
				89.00	90.00	no recovery		
	19	90	95	90.00	90.00	no recovery		
101553	20A	95	98.5	95.00	95.55	Sand, c-vc, lt gry 5Y 7/1, fining upward from vc to c		
				95.55	95.65	Clay, silty, greenish gray 1 Gley 5GY 6/1		
				95.65	96.30	Sand, f-m grading down to vc to granule, light gray 5Y 7/1		

Qh-10

Sample #	Core #	Core Start (ft)	Core Stop (ft)	Depth Start (ft)	Depth Stop (ft)	Description	Comments	Strat Unit
				96.30	97.40	Sand, f-m with opaque heavy mineral laminae, grading down by 96.55 to vc to granule, light gray		
				97.40	98.50	As above, grading to vc at 97.8		
101554	20B	98.5	100	98.50	99.00	Sand, c-vc with small qtz and chert pbl, base of fining-upward set beginning at 97.4		
				99.00	99.80	Sand, m with abd f and c, with opaque heavy mineral laminae, grad dn to vc at 99.5		
				99.80	100.00	no recovery		
101555	21A	100	102	100.00	100.75	Sand, m-c fining upward from c-vc with granules, lt gry 5Y 7/1, wh silty matrix	white matrix common in sand, less abd in coarser beds	
				100.75	101.50	As above, fining upward set		
				101.50	101.80	Sand, m-c, ohm lam cn, lt gry		
				101.80	102.00	no recovery		
101556	21B	102	105	102.00	102.70	Sand, m-c, fining upward from vc-granule, lt gry		
				102.70	103.25	Sand, m-c (102.7-103.05) fining upward from c-vc, lt gry		
				103.25	103.75	Sand, m-c (103.25-103.55) fining upward from c-vc, lt gry		
				103.75	104.21	Sand, m-c (103.75-103.95), with ohm lam, fining upward from vc-gran, lt gry		
				104.21	105.00	no recovery		
101557	22	105	109.7	105.00	105.60	Sand, vc-c, abd granules, lt gry, soupy, v sml pbl at base		
				105.60	106.10	Sand, c-vc, fining upward from vc-gran		
				106.10	107.25	Sand, c-vc, scat ohm lam, lt gry		
				107.25	108.30	Sand, c (107.25-107.45) fining upward from vc to granule, lt gry		
				108.30	109.00	Sand, c (108.3-108.8) fining upward from vc to granule, lt gry		
				109.00	109.70	no recovery		
101558	23A	109.7	112	109.70	110.70	Sand, c-m, fining upward from vc-granule, lt gry		
				110.70	111.70	Sand, c-m, fining upward from vc-granule, lt gry, soupy		
				111.70	111.90	Sand, c-m, ohm lam cn, lt gry		
				111.90	112.00	no recovery		
101559	23B	112	115	112.00	113.20	Sand, thin sets (approx. .2 ft thick) of c fining upward from vc to granule, lt gry		
				113.20	114.40	Sand, m-c some f, with ohm lam and c-vc lam, gray, 5Y 6/1	darker gry, sands may be slightly	
				114.40	115.00	no recovery		
101560	24	115	120	115.00	115.40	Sand, m-c, fining upward from vc-granule, gray, scat sml pbl	sulphur precipitate when dry	
				115.40	116.15	Sand, m-c, some f-m, tr silt, scat sml pbl, gray 5Y6/1, scat silty gry patches (relict burrows?)	sulphur precipitate when dry	

Q100-10

Sample #	Core #	Core Start (ft)	Core Stop (ft)	Depth Start (ft)	Depth Stop (ft)	Description	Comments	Strat Unit
				116.15	116.80	Sand, c-vc, abd granules and sml pbl, gry, loose, soupy	sulphur precipitate when dry	
				116.80	117.00	Sand, c-vc, few granules and sml pbl, gray 5Y 5/1	sulphur precipitate when dry	
				117.00	117.55	Sand, c-vc and f-vf, gray to dk gray 5Y 4/1, v abd ohm, fines upward from unit below	sulphur precipitate when dry	
				117.55	118.15	Gravel, sandy, vc-c, abd granules, qtz, cht, dk gray 5Y 4/1	sulphur precipitate when dry	
				118.15	118.45	Sand, vf, silty, with clay lam, dk gry 5Y 4/1	sharp contact with above	
				118.45	119.30	Clay, silty, interlam with vf sand, scat org frag in lam (some may be leaf litter), dk gry 5Y 4/1		
				119.30	119.50	Sand, vf, with silty clay lam, dk gry		
				119.50	119.80	Clay, silty, interlam with vf sand, scat org frag in lam, dk gry 5Y 4/1		
				119.80	120.00	no recovery		
101561	25	120	125	120.00	121.25	Sand, f-vf, silty silty, with silty clay lam (finely lam), dk gry 5Y 4/1, mod w sorted, cn org lam (1.2 and 1.3), some m-c below 1.1, black lam .85-.9)	organics associated with thinly lam finer grained sed.- tidal or overbank?- no burrowing	
				121.25	123.40	Sand, vc-c, granules and sml pbl cn, pbl lam at 1.9-2.0, gray 5Y 5/1, dark gray silty patch 121.35-121.45 (burrow)	sharp contact with above	
				123.40	124.50	Sand, c-m, gray 5Y 5/1	sulphur smell common in this and all samples below	
				124.50	124.80	Sand, c-vc, granules cn, gray		
				124.80	125.00	Wood, brown, large piece		
101562	26	125	130	125.00	126.00	Sand, c-vc, granules cn, gray 5Y 5/1	Not as much wh silt in matrix	
				126.00	126.50	Sand, c-vc, abd granules, gray		
				126.50	127.30	Sand, c-vc, granules cn, vc and m-c lam and ohm lam cn, gray		
				127.30	128.20	Sand, vc-c, granules cn, v soupy, gray		
				128.20	128.60	as above, soupy		
				128.60	129.00	Sand, vc-c, granules and sml pbl cn, gray	fairly sharp contact	
				129.00	130.00	no recovery (due to compaction and loss during core extrusion)		
101563	27A	130	133	130.00	131.80	Sand, vc-granule, gray 5Y 5/1, soupy, clean sand	as 128.6 to 129	
				131.80	132.10	Sand, c-vc, gray, ohm lam cn		
				132.00	133.00	no recovery (due to compaction and loss during core extrusion)		
101564	27B	133	135	133.00	133.50	Sand, vc-granule, abd pbl, abd ohm, gray 5Y 5/1 to dk gray 5Y 4/1		
				133.50	133.75	Sand, c-vc gray, 5Y 5/1		
				133.75	133.95	Sand, vc-gran, abd pbl, abd ohm, dk gry, 5Y 4/1		

Q103-10

Sample #	Core #	Core Start (ft)	Core Stop (ft)	Depth Start (ft)	Depth Stop (ft)	Description	Comments	Strat Unit
				133.95	134.20	Sand, c-vc, abd ohm, dk gry, 5Y 4/1		
				134.20	135.00	no recovery		
101565	28	135	140	135.00	136.20	Sand, c-vc, v soupy, granules abd, pbl at base, gray 5Y5/1	core not intact- runny sand	
				136.20	136.80	Sand, c-vc, granules cn, gray		
				136.80	137.30	Sand, vc-c, soupy, granules cn, gray		
				137.30	137.40	Gravel, v sml pbl and granules, gray		
				137.40	139.10	Sand, c-vc, granules cn, gray 5Y5/1, few dk gry patches- burrows?		
				139.10	140.00	no recovery		
101566	29	140	144.75	140.00	140.20	Sand, f, some m, gray 5Y5/1		
				140.20	140.50	Sand, c-vc, granules cn, gray		
				140.50	140.75	Sand, f-vf, gray, slightly silty		
				140.75	141.00	Sand, c-vc, sml pbl and granules cn, gray		
				141.00	141.45	Sand, f, fining up from m-c, gray		
				141.45	141.80	Sand, c-vc, granules and sml pbl cn, ohm cn-abd, gray, few org frag in lam at 141.65		
				141.80	142.80	Sand, c fining up from vc to granule, gray		
				142.80	143.00	Sand, f-m with granules		
				143.00	144.75	no recovery		
101567	30	144.75	150	144.75	145.80	Sand, f-m fining up from c-vc, gray 5Y 5/1		
				145.80	146.75	Sand, c-vc, granules abd, few sml pbl, few ohm lam, gray		
				146.75	147.40	Sand, m-c, few ohm lam, gray, m and c lam few-cn		
				147.40	148.20	Sand, vc to granule, gray		
				148.20	150.00	no recovery		
101568	31	150	155	150.00	150.10	Sand, cly, c-vc, gran cn, dk gry 5Y 4/1		
				150.10	150.50	Sand, granule to vc, silty slty, blk mud pbl cn, few sml pbl, dk gray, vf pyrite grains in silty zones		
				150.50	150.90	Sand, m-c fining upward from c-vc, gray 5Y 5/1		
				150.90	152.90	Sand, vc-granule, few sml pbl, few lam vc-c, gray, v silty cly 152.8-152.9		
				152.90	153.20	Sand, m-c, vc cn-abd, gray		
				153.20	153.50	Sand m-f, abd ohm, c lam cn, gray to dk gray		
				153.50	154.00	Sand, vc-granule, few sml pbl, dk gry 5Y 4/1		
				154.00	155.00	no recovery		
101569	32	155	160	155.00	155.30	Sand, vc-granule, few sml pbl, gray		
				155.30	155.55	Sand, f-m, gray, few wood frag.		
				155.55	156.15	Sand vc-granule, soupy, few sml pbl, wood frag, 155.9, 156-156.15		
				156.15	156.95	Sand, c-m, vc cn-abd, few granules, organic lam 156.25, 156.3, 156.6, 156.65		
				156.95	157.25	Sand, c-vc, dk gry 5Y 4/1		
				157.25	157.50	Sand, f-m, c cn, gray		

Q100-10

Sample #	Core #	Core Start (ft)	Core Stop (ft)	Depth Start (ft)	Depth Stop (ft)	Description	Comments	Strat Unit
				157.50	158.00	Sand vc-c, granules cn, gray-dk gray		
				158.00	158.40	Sand, c, vc lam cn, dk gray		
				158.40	158.80	Sand, granule to vc, with dk gry to blk mud pbl and qtz pbl, v dk gry 5Y 3/1	sharp contact with below	
				158.80	159.00	Sand f-vf, silty, silty cly, olive gray 5Y 4/2		
				159.00	160.00	no recovery		
101570	33	160	165	160.00	160.50	Sand, vf, some f, mod-v silty, olive gry 5Y 4/2		
				160.50	160.70	Clay, silty, grnsh gry 1 Gley 10Y 5/1, and sand as above filling burrows, heavily bioturbated		
				160.70	161.00	as above, more clay, individual burrows distinct, mod bioturbated		
				161.00	161.80	Clay, silty, greenish gray with scattered distinct vf sand-filled burrows, mod-silty bioturbated		
				161.80	162.95	as above, with few scattered vf sand-filled burrows, few v thin vf sand lam, mottled lighter and darker greenish gray		
				162.95	164.00	Clay, silty, greenish gray, 5GY 5/1, rare burrows from above and silty patches (different generation of burrows)	color change	
				164.00	164.20	Clay, as above, with lenses of f-vf sand		
				164.20	164.30	Sand, f-vf, silty, dk grnsh gry 1 Gley 10Y 3/1		
				164.30	165.00	no recovery		
101571	34	165	170	165.00	165.10	Sand, f-vf, silty, dk grnsh gry 1 Gley 10Y 3/1		
				165.10	165.25	Clay, silty, greenish gry 1 Gley 10Y 3/1		
				165.25	165.50	Sand, f-vf, silty, mod cly, dk grnsh gry 1 Gley 10Y 3/1		
				165.50	169.00	Sand, f-vf, dk grnsh gry, with patches silty clay, v to extremely bioturbated (cannot discern indiv burrows), cly-filled burrow 167.3 to 167.5 (lt olive gry 6/2) another at 168.4		
				169.00	169.50	as above with a few subhoriz to horiz distict burrows		
				169.50	170.00	no recovery		
101572	35	170	175	170.00	171.60	Sand, f-vf, silty silty, few-cn f-m lam, scat frag wood 171.2-171.4		
				171.60	175.00	no recovery		
101573	36	175	180	175.00	178.70	Sand, f-vf, silty silty, gray 5Y 5/1, well sorted, homogeneous other than ohm lam at 75.28, 76.4, 76.55-76.57, 76.63, 76.7, 76.82		
				178.70	180.00	no recovery		
						bottom of hole		