Data Repository item 2004043

Ancora-preferred

Unit	Depth (ft)	Depth (m)	Age (Ma)	Water Depth (m)	Water Depth criteria
Cohansey 2	0	0.00	0	0	?Fluvial
	9	2.74	8.3	0	?Fluvial
	29.25	8.92	8.8	0	?Nearshore
Cohansey 1	29.25	8.92	11.2	0	?Nearshore
	167.9	51.18	11.9	5	?Nearshore
Kirkwood ?1b	167.9	51.18	?19.5	10	Delta front
	227.2	69.25	?20	20	Prodelta
Kirkwood 1a	227.2	69.25	20.2	20	Prodelta
	263.7	80.38	21.2	35	*Nonionellina pizarensis* biofacies
upper Shark River E9	263.7	80.38	36.7	50	*Epistominella minuta* biofacies
	359.8	109.67	37.2	50	*Epistominella minuta* biofacies
upper Shark River E8	359.8	109.67	40.5	50	*Epistominella minuta* biofacies
	388.6	118.45	41	75	*Cibicidoides pippeni* biofacies
lower Shark River E7	388.6	118.45	43.7	110	*Cibicidoides pippeni* biofacies
	427.6	130.33	44.4	140	*Cibicidoides subspiratus* biofacies
lower Shark River E6	427.6	130.33	46.1	100	*Anomalinoides acuta* biofacies
	443	135.03	46.2	100	*Anomalinoides acuta* biofacies
lower Shark River E5	443	135.03	48.4	125	*Siphonina claibornensis* biofacies
	446.7	136.16	48.6	125	*Siphonina claibornensis* biofacies
Manasquan E4	446.7	136.16	49.5	125	*Siphonina claibornensis* biofacies
	448.7	136.77	49.7	125	*Siphonina claibornensis* biofacies
Manasquan E3	448.7	136.77	52	125	*Siphonina claibornensis* biofacies
	461.2	140.58	52.2	155	*Cibicidoides* aff. *subspiratus* biofacies
Manasquan E2	461.2	140.58	52.25	155	*Cibicidoides* aff. *subspiratus* biofacies
	519.2	158.25	52.85	185	*Cibicidoides eocaena* biofacies
Manasquan E1	519.2	158.25	54	70	Middle neritic clayey glauconite sand
	522.2	159.17	54.17	70	Middle neritic clayey glauconite sand
Vincentown Pa3	522.2	159.17	55	45	Middle neritic benthic foraminifers
	562.1	171.33	55.5	45	Middle neritic benthic foraminifers
Hornerstown Pa3	562.1	171.33	55.5	45	Outer neritic benthic foraminifers
	599	182.58	57.1	60	Outer neritic benthic foraminifers
Hornerstown Pa2	599	182.58	57.8	60	Outer neritic benthic foraminifers
	606.5	184.86	60	60	Outer neritic benthic foraminifers

Hornerstown Pa1	606.5	184.86	61	60	Outer neritic benthic foraminifers
	612.5	186.69	63	60	Outer neritic benthic foraminifers
Navesink 2	612.5	186.69	64.5	30	Olsson et al. (2002)
	634	193.25	66	60	Olsson et al. (2002)
Navesink 1	634	193.25	67	30	Olsson et al. (2002)
	651.3	198.52	68.7	60	Olsson et al. (2002)
Marshalltown	651.3	198.52	71.8	20	Skinner (2001)
	718	218.85	*	30	Skinner (2001)
	735	224.03	*	50	Skinner (2001)
	757.2	230.80	76	30	Skinner (2001)
upper Englishtown	757.2	230.80	76	10	Near shore sand bar
	770	234.70	*	20	
	792.3	241.50	77.8	40	Inner-middle neritic silts
Merchantville 3	792.3	241.50	77.7	20	Nearshore silty sands
	797.2	242.99		40	Middle neritic laminated clays
	909	277.07	80.8	70	Middle neritic laminated clays
Merchantville 2	909	277.07	83.2	60	Glauconite sand
	928	282.86	83.5	70	Glauconite sand
Merchantville 1	928	282.86	83.5	45	Glauconite sand
	945.3	288.13	83.8	50	Glauconite sand
Cheesequake	945.3	288.13	84.3	20	Inner neritic quartz sand
	957.4	291.82	85.2	25	Inner neritic silty sand
Magothy 3	957.4	291.82	86.7	0	Delta plain channels
	970	295.66	*	0	Delta plain channels
	987	300.84	87.8	0	Swamp/marsh
Magothy 2	987	300.84	88.3	0	Delta front
	1062.5	323.85	89.8	0	Fluvial/marine channel
Bass River 3	1062.5	323.85	92.8	10	Inner neritic benthic foraminifers
	1082.5	329.95	93.5	30	Inner neritic benthic foraminifers
Bass River 2	1082.5	329.95	93.5	10	Inner neritic benthic foraminifers
	1110.9	338.61	94.6	40	Inner neritic benthic foraminifers
Bass River 1	1110.9	338.61	94.6	10	Inner neritic benthic foraminifers
	1116	340.16	*		Inner neritic benthic foraminifers
	1125	342.90	*		Inner neritic benthic foraminifers
	1148.1	349.95	95.8	50	Middle shelf neritic glauconite and shell facies
Potomac 3	1148.1	349.95	97	-5	Marginal marine/estuarine

	1154.5	351.90	*	-5	Marginal marine/estuarine
Potomac 2	1154.5	351.90	*	20	Shelly laminated brown clay/neritic
	1158.2	353.02	*	20	Shelly laminated brown clay/neritic
Potomac 1	1158.2	353.02	*	-5	Estuarine
	1170	356.62	98.3	-5	Estuarine

Bass River-preferred

Unit	Depth (ft)	Depth (m)	Age (Ma)	Water Depth (m)	Water Depth criteria
Cape May	3	0.91	0	0	Braided stream paleoenvironment
	19.7	6.00	0.011	0	Braided stream paleoenvironment
Cohansey 3	19.7	6.00	7.5	0	Barrier island/nearshore
	40.8	12.44	8	0	Barrier island/nearshore
Cohansey 2	40.8	12.44	8.8	0	Nearshore
	101.9	31.06	9.4	0	Lagoon
Cohansey 1b	101.9	31.06	11.9	0	Nearshore
	124	37.80	12.3	0	Nearshore
Cohansey 1a	124	37.80	12.4	0	Nearshore
	132.9	40.51	12.5	0	Nearshore
Kirkwood 2b	132.9	40.51	15.6	20	Inner neritic
	141	42.98	*	20	Inner neritic
	149.4	45.54	*	20	Inner neritic
	167	50.90	*	20	Inner neritic
	205	62.48	16.1	20	Lagoon/nearshore
Kirkwood 2a	205	62.48	16.5	20	Neritic
	232.4	70.84	*	20	Nearshore
	288.9	88.06	*	40	Inner neritic
unconformity	329	100.28	17.5	20	Lagoon/Bay
Kirkwood 1b	329	100.28	19.8	0	Tidal delta
	383	116.74	20.1	20	Tidal delta/Lagoon
Kirkwood 1a	383	116.74	20.2	20	Delta front sand
	486.5	148.29	*	20	Prodelta
	516	157.28	*	40	Prodelta
	547	166.73	*	30	Neritic
	555.3	169.26	21	20	Neritic
Atlantic City O1	555.3	169.26	32.1	75	Middle neritic, *Bolivina paula* facies
	675.4	205.86	32.7	75	Middle neritic, *Bolivina paula* facies
Absecon Inlet E11	675.4	205.86	33.8	100	Middle neritic, *Cibicidoides* biofacies
	684.9	208.76	34.2	100	Middle neritic, *Cibicidoides* biofacies
Absecon Inlet E10c	684.9	208.76	34.8	75	Middle neritic, *Siphonina* biofacies
	770.7	234.91	35.1	125	Outer neritic, *Globobulimina* biofacies
Absecon Inlet E10b	770.7	234.91	35.15	100	Middle neritic, *Cibicidoides* biofacies
	840.1	256.07	35.5	125	Outer neritic, *Globobulimina* biofacies
Absecon Inlet E10a	840.1	256.07	35.6	100	*Cibicidoides* biofacies

	846.6	258.05	35.7	125	*Globobulimina* biofacies
upper Shark River E9	846.6	258.05	36.5	75	*Cibicidoides* biofacies
	863.6	263.23	37	75	*Cibicidoides* biofacies
upper Shark River E8	863.6	263.23	40	75	*Cibicidoides* biofacies
	885.8	270.00	41	75	*Cibicidoides* biofacies
lower Shark River E7	885.8	270.00	43.4	135	*Cibicidoides subspiratus* biofacies
	932	284.08	44.4	135	*Cibicidoides subspiratus* biofacies
lower Shark River E6	932	284.08	47.2	135	*Cibicidoides subspiratus* biofacies
	954.4	290.90	47.3	135	*Cibicidoides subspiratus* biofacies
lower Shark River E5	954.4	290.90	48.4	135	*Cibicidoides subspiratus* biofacies
	959.9	292.58	48.6	135	*Cibicidoides subspiratus* biofacies
Manasquan E4b	959.9	292.58	49.7	100	*Cibicidoides pseudoungerianus* biofacies
	981.3	299.10	49.8	125	*Siphonina claibornensis* biofacies
	1016.5	309.83	50.4	135	*Cibicidoides subspiratus* biofacies
Manasquan E3b	1016.5	309.83	50.7	100	*Cibicidoides pseudoungerianus* biofacies
	1025	312.42	*	125	*Siphonina claibornensis* biofacies
	1108.5	337.87	52.2	155	*Cibicidoides* aff. *subspiratus* biofacies
Manasquan E2	1108.5	337.87	52.8	155	*Cibicidoides* aff. *subspiratus* biofacies
	1134.6	345.83	53.5	185	*Cibicidoides eocaena* biofacies
Manasquan E1	1134.6	345.83	54	135	*Cibicidoides subspiratus* biofacies
	1138.6	347.05	54.17	135	*Cibicidoides subspiratus* biofacies
Vincentown Pa3c	1138.6	347.05	55	105	Outer neritic benthic foraminifers
	1165	355.10	*	140	Outer neritic benthic foraminifers
	1223	372.77	*	125	Outer neritic benthic foraminifers
	1240.8	378.20	56.5	105	Outer neritic benthic foraminifers
Hornerstown Pa2	1240.8	378.20	58	105	Outer neritic benthic foraminifers
	1248.9	380.67	*	130	Outer neritic benthic foraminifers
	1256.5	382.99	58.5	105	Outer neritic benthic foraminifers
Hornerstown Pa1	1256.5	382.99	61.2	105	Outer neritic benthic foraminifers
	1258.7	383.66	61.7	105	Outer neritic benthic foraminifers
Navesink 2	1258.7	383.66	64.5	50	Olsson et al. (2002)
	1270	387.10	66	80	Olsson et al. (2002)
Navesink 1	1270	387.10	67.1	50	Olsson et al. (2002)
	1294.5	394.57	69	80	Olsson et al. (2002)
Marshalltown	1294.5	394.57	71.2	40	Inner/middle neritic benthic foraminifers
	1349	411.18	*	60	Middle neritic benthic foraminifers

	1391	423.98	*	65	Middle neritic benthic foraminifers
	1429	435.56	*	75	Middle neritic benthic foraminifers
	1440.5	439.07	75.7	60	Middle neritic benthic foraminifers
upper Englishtown	1440.5	439.07	75.8	20	Inner neritic benthic foraminifers
	1472.6	448.85	76.7	20	Inner neritic benthic foraminifers
Merchantville 3	1472.6	448.85	77.8	40	Inner/middle neritic benthic foraminifers
	1488	453.55		70	Middle neritic benthic foraminifers
	1535	467.87		80	Middle/outer neritic benthic foraminifers
	1652.5	503.69	81	80	Outer neritic benthic foraminifers
Merchantville 2	1652.5	503.69	83.1	70	Outer neritic benthic foraminifers
	1674	510.24	83.7	80	Middle/outer neritic benthic foraminifers
Merchantville 1	1674	510.24	83.7	70	Middle/outer neritic benthic foraminifers
	1683.2	513.05	83.9	80	Middle/outer neritic benthic foraminifers
Cheesequake	1683.2	513.05	84.3	10	Inner neritic benthic foraminifers
	1704.1	519.42	*	30	Inner neritic benthic foraminifers
	1709.2	520.97	85.2	20	Inner neritic benthic foraminifers
Magothy 3	1709.2	520.97	86.7	0	Marginal marine
	1730	527.31	*	0	Delta front
	1752	534.02	87.8	0	Terrestrial
Magothy 1	1752	534.02	90	0	Fluvial
	1780	542.55	*	0	Delta front
	1806.4	550.60	91.4	0	Prodelta
Bass River	1806.4	550.60	92.8	20	Inner/middle neritic *Epistomina* assemblage
	1815.1	553.25	*	20	Inner/middle neritic *Epistomina* assemblage
	1825	556.27	*	40	Inner/middle neritic *Epistomina* assemblage
	1839.1	560.56	*	20	Inner/middle neritic *Epistomina* assemblage
	1861	567.24	*	20	Inner/middle neritic *Epistomina* assemblage
	1885	574.55	*	30	Inner/middle neritic *Epistomina* assemblage
	1930	588.27	*	40	Inner/middle neritic *Epistomina* assemblage
	1950	594.37	*	50	Inner/middle neritic *Epistomina* assemblage
	1956.5	596.35	93.5	60	Inner/middle neritic *Epistomina* assemblage

Ancora - conservative

Unit	Depth (ft)	Depth (m)	Age (Ma)	Water Depth (m)	Water Depth criteria
Cohansey 2	0	0.00	0	0	?Fluvial
	9	2.74	8.3	0	?Fluvial
	29.25	8.92	8.8	0	?Nearshore
Cohansey 1	29.25	8.92	11.2	0	?Nearshore
	167.9	51.18	11.9	5	?Nearshore
Kirkwood ?1b	167.9	51.18	?19.5	10	Delta front
	227.2	69.25	?20	20	Prodelta
Kirkwood 1a	227.2	69.25	20.2	20	Prodelta
	263.7	80.38	21.2	35	*Nonionellina pizarensis* biofacies
upper Shark River E9	263.7	80.38	36.7	50	*Epistominella minuta* biofacies
	359.8	109.67	37.2	50	*Epistominella minuta* biofacies
upper Shark River E8	359.8	109.67	40.5	50	*Epistominella minuta* biofacies
	388.6	118.45	41	75	*Cibicidoides pippeni* biofacies
lower Shark River E7	388.6	118.45	43.7	110	*Cibicidoides pippeni* biofacies
	427.6	130.33	44.4	140	*Cibicidoides subspiratus* biofacies
lower Shark River E6	427.6	130.33	46.1	100	*Anomalinoides acuta* biofacies
	443	135.03	46.2	100	*Anomalinoides acuta* biofacies
lower Shark River E5	443	135.03	48.4	125	*Siphonina claibornensis* biofacies
	446.7	136.16	48.6	125	*Siphonina claibornensis* biofacies
Manasquan E4	446.7	136.16	49.5	125	*Siphonina claibornensis* biofacies
	448.7	136.77	49.7	125	*Siphonina claibornensis* biofacies
Manasquan E3	448.7	136.77	52	125	*Siphonina claibornensis* biofacies
	461.2	140.58	52.2	155	*Cibicidoides* aff. *subspiratus* biofacies
Manasquan E2	461.2	140.58	52.25	155	*Cibicidoides* aff. *subspiratus* biofacies
	519.2	158.25	52.85	185	*Cibicidoides eocaena* biofacies
Manasquan E1	519.2	158.25	54	70	Middle neritic clayey glauconite sand
	522.2	159.17	54.17	70	Middle neritic clayey glauconite sand
Vincentown Pa3	522.2	159.17	55	45	Middle neritic benthic foraminifers
	562.1	171.33	55.5	45	Middle neritic benthic foraminifers
Hornerstown Pa3	562.1	171.33	55.5	45	Outer neritic benthic foraminifers
	599	182.58	57.1	60	Outer neritic benthic foraminifers
Hornerstown Pa2	599	182.58	57.8	60	Outer neritic benthic foraminifers

	606.5	184.86	60	60	Outer neritic benthic foraminifers
Hornerstown Pa1	606.5	184.86	61	60	Outer neritic benthic foraminifers
	612.5	186.69	63	60	Outer neritic benthic foraminifers
Navesink	612.5	186.69	64.5	30	Olsson et al. (2002)
	651.3	198.52	68.7	60	Olsson et al. (2002)
Marshalltown	651.3	198.52	71.8	20	Skinner (2001)
	718	218.85	*	30	Skinner (2001)
	735	224.03	*	50	Skinner (2001)
	757.2	230.80	76	30	Skinner (2001)
upper Englishtown	757.2	230.80	76	10	Near shore sand bar
	770	234.70	*	20	
	792.3	241.50	77.8	40	Inner-middle neritic silts
Merchantville	792.3	241.50	77.8	20	Nearshore silty sands
	797.2	242.99	*	40	Middle neritic laminated clays
	928	282.86	*	70	Middle neritic laminated clays
	945.3	288.13	83.8	50	Glauconite sand
Cheesequake	945.3	288.13	84.3	20	Inner neritic quartz sand
	957.4	291.82	85.2	25	Inner neritic silty sand
Magothy 3	957.4	291.82	86.7	0	Delta plain channels
	970	295.66	*	0	Delta plain channels
	987	300.84	87.8	0	Swamp/marsh
Magothy 2	987	300.84	88.3	0	Delta front
	1062.5	323.85	89.8	0	Fluvial/marine channel
Bass River 3	1062.5	323.85	92.8	10	Inner neritic benthic foraminifers
	1082.5	329.95	93.5	30	Inner neritic benthic foraminifers
Bass River 2	1082.5	329.95	93.5	10	Inner neritic benthic foraminifers
	1110.9	338.61	94.6	40	Inner neritic benthic foraminifers
Bass River 1	1110.9	338.61	94.6	10	Inner neritic benthic foraminifers
	1116	340.16	*		Inner neritic benthic foraminifers
	1125	342.90	*		Inner neritic benthic foraminifers
	1148.1	349.95	95.8	50	Middle shelf neritic glauconite and shell facie
Potomac 3	1148.1	349.95	97	-5	Marginal marine/estuarine
	1154.5	351.90	*	-5	Marginal marine/estuarine
Potomac 2	1154.5	351.90	*	20	Shelly laminated brown clay/neritic
	1158.2	353.02	*	20	Shelly laminated brown clay/neritic
Potomac 1	1158.2	353.02	*	-5	Estuarine
	1170	356.62	98.3	-5	Estuarine

Bass River - conservative

Unit	Depth (ft)	Depth (m)	Age (Ma)	Water Depth (m)	Water Depth criteria
Cape May	3	0.91	0	0	Braided stream paleoenvironment
	19.7	6.00	0.011	0	Braided stream paleoenvironment
Cohansey 3	19.7	6.00	7.5	0	Barrier island/nearshore
	40.8	12.44	8	0	Barrier island/nearshore
Cohansey 2	40.8	12.44	8.8	0	Nearshore
	101.9	31.06	9.4	0	Lagoon
Cohansey 1b	101.9	31.06	11.9	0	Nearshore
	124	37.80	12.3	0	Nearshore
Cohansey 1a	124	37.80	12.4	0	Nearshore
	132.9	40.51	12.5	0	Nearshore
Kirkwood 2b	132.9	40.51	15.6	20	Inner neritic
	141	42.98	*	20	Inner neritic
	149.4	45.54	*	20	Inner neritic
	167	50.90	*	20	Inner neritic
	205	62.48	16.1	20	Lagoon/nearshore
Kirkwood 2a	205	62.48	16.5	20	Neritic
	232.4	70.84	*	20	Nearshore
	288.9	88.06	*	40	Inner neritic
	329	100.28	17.5	20	Lagoon/Bay
Kirkwood 1b	329	100.28	19.8	0	Tidal delta
	383	116.74	20.1	20	Tidal delta/Lagoon
Kirkwood 1a	383	116.74	20.2	20	Delta front sand
	486.5	148.29	*	20	Prodelta
	516	157.28	*	40	Prodelta
	547	166.73	*	30	Neritic
	555.3	169.26	21	20	Neritic
Atlantic City O1	555.3	169.26	32.1	75	Middle neritic, *Bolivina paula* facies
	675.4	205.86	32.7	75	Middle neritic, *Bolivina paula* facies
Absecon Inlet E11	675.4	205.86	33.8	100	Middle neritic, *Cibicidoides* biofacies
	684.9	208.76	34.2	100	Middle neritic, *Cibicidoides* biofacies
Absecon Inlet E10c	684.9	208.76	34.8	75	Middle neritic, *Siphonina* biofacies
	770.7	234.91	35.1	125	Outer neritic, *Globobulimina* biofacies
Absecon Inlet E10b	770.7	234.91	35.15	100	Middle neritic, *Cibicidoides* biofacies
	840.1	256.07	35.5	125	Outer neritic, *Globobulimina* biofacies

Absecon Inlet E10a	840.1	256.07	35.6	100	*Cibicidoides* biofacies
	846.6	258.05	35.7	125	*Globobulimina* biofacies
upper Shark River E9	846.6	258.05	36.5	75	*Cibicidoides* biofacies
	863.6	263.23	37	75	*Cibicidoides* biofacies
upper Shark River E8	863.6	263.23	40	75	*Cibicidoides* biofacies
	885.8	270.00	41	75	*Cibicidoides* biofacies
lower Shark River E7	885.8	270.00	43.4	135	*Cibicidoides subspiratus* biofacies
	932	284.08	44.4	135	*Cibicidoides subspiratus* biofacies
lower Shark River E6	932	284.08	47.2	135	*Cibicidoides subspiratus* biofacies
	954.4	290.90	47.3	135	*Cibicidoides subspiratus* biofacies
lower Shark River E5	954.4	290.90	48.4	135	*Cibicidoides subspiratus* biofacies
	959.9	292.58	48.6	135	*Cibicidoides subspiratus* biofacies
Manasquan E4	959.9	292.58	49.7	100	*Cibicidoides pseudoungerianus* biofacies
	981.3	299.10	49.8	125	*Siphonina claibornensis* biofacies
	1016.5	309.83	50.4	135	*Cibicidoides subspiratus* biofacies
Manasquan E3	1016.5	309.83	50.7	100	*Cibicidoides pseudoungerianus* biofacies
	1025	312.42	*	125	*Siphonina claibornensis* biofacies
	1108.5	337.87	52.2	155	*Cibicidoides* aff. *subspiratus* biofacies
Manasquan E2	1108.5	337.87	52.8	155	*Cibicidoides* aff. *subspiratus* biofacies
	1134.6	345.83	53.5	185	*Cibicidoides eocaena* biofacies
Manasquan E1	1134.6	345.83	54	135	*Cibicidoides subspiratus* biofacies
	1138.6	347.05	54.17	135	*Cibicidoides subspiratus* biofacies
Vincentown Pa3	1138.6	347.05	55	105	Outer neritic benthic foraminifers
	1165	355.10	*	140	Outer neritic benthic foraminifers
	1223	372.77	*	125	Outer neritic benthic foraminifers
	1240.8	378.20	56.5	105	Outer neritic benthic foraminifers
Hornerstown Pa2	1240.8	378.20	58	105	Outer neritic benthic foraminifers
	1248.9	380.67	*	130	Outer neritic benthic foraminifers
	1256.5	382.99	58.5	105	Outer neritic benthic foraminifers
Hornerstown Pa1	1256.5	382.99	61.2	105	Outer neritic benthic foraminifers
	1258.7	383.66	61.7	105	Outer neritic benthic foraminifers
Navesink	1258.7	383.66	64.5	50	Olsson et al. (2002)
	1277.5	389.39	*	60	Olsson et al. (2002)
	1294.5	394.57	69	80	Olsson et al. (2002)
Marshalltown	1294.5	394.57	71.2	40	Skinner (2001)
	1349	411.18	*	60	Skinner (2001)
	1391	423.98	*	65	Skinner (2001)

	1429	435.56	*	75	Skinner (2001)
	1440.5	439.07	75.7	60	Skinner (2001)
upper Englishtown	1440.5	439.07	75.8	20	Inner neritic benthic foraminifers
	1472.6	448.85	76.7	20	Inner neritic benthic foraminifers
Merchantville	1472.6	448.85	76.9	40	Inner/middle neritic benthic foraminifers
	1488	453.55	*	70	Middle neritic benthic foraminifers
	1535	467.87	*	80	Middle/outer neritic benthic foraminifers
	1652.5	503.69	*	100	Outer neritic benthic foraminifers
	1674	510.24	*	*	
	1683.2	513.05	83.9	80	Middle/outer neritic benthic foraminifers
Cheesequake	1683.2	513.05	84.3	10	Inner neritic benthic foraminifers
	1704.1	519.42	*	30	Inner neritic benthic foraminifers
	1709.2	520.97	85.2	20	Inner neritic benthic foraminifers
Magothy 3	1709.2	520.97	86.7	0	Marginal marine
	1730	527.31	*	0	Delta front
	1752	534.02	87.8	0	Terrestrial
Magothy 1	1752	534.02	90	0	Fluvial
	1780	542.55	*	0	Delta front
	1806.4	550.60	91.4	0	Prodelta
Bass River	1806.4	550.60	92.8	20	Inner/middle neritic *Epistomina* assemblage
	1815.1	553.25	*	20	Inner/middle neritic *Epistomina* assemblage
	1825	556.27	*	40	Inner/middle neritic *Epistomina* assemblage
	1839.1	560.56	*	20	Inner/middle neritic *Epistomina* assemblage
	1861	567.24	*	20	Inner/middle neritic *Epistomina* assemblage
	1885	574.55	*	30	Inner/middle neritic *Epistomina* assemblage
	1930	588.27	*	40	Inner/middle neritic *Epistomina* assemblage
	1950	594.37	*	50	Inner/middle neritic *Epistomina* assemblage
	1956.5	596.35	93.5	60	Inner/middle neritic *Epistomina* assemblage

Ancora					
Sample Depth (m)	Sample Depth (ft)	Sr86/Sr87	Error (+/-)	Age (Ma) this study	Age (Ma) Howarth & McArthur (1997)
189.59	622.0	0.707903	0.000005	63.7	*
191.72	629.0	0.707832	0.000004	66.8	*
193.85	636.0	0.707844	0.000005	66.3	*
195.99	643.0	0.707826	0.000005	67.1	65.54
197.88	649.2	0.707802	0.000004	68.2	66.68
198.12	650.0	0.707811	0.000006	67.8	66.21
198.73	652.0	0.707722	0.000006	71.8	71.53
199.06	653.1	0.707749	0.000005	70.6	70.44
201.02	659.5	0.707728	0.000005	71.5	71.29
202.69	665.0	0.707705	0.000020	72.6	72.15
203.15	666.5	0.707726	0.000013	71.6	71.37
206.17	676.4	0.707713	0.000005	72.2	71.86
206.65	678.0	0.707710	0.000005	72.3	71.97
207.72	681.5	0.707698	0.000006	72.9	72.38
210.62	691.0	0.707644	0.000009	74.4	74.17
217.57	713.8	0.707676	0.000005	73.9	73.10
218.24	716.0	0.707649	0.000006	74.1	74.00
218.85	718.0	0.707654	0.000020	73.8	73.83
221.01	725.1	0.707653	0.000006	73.9	73.86
223.42	733.0	0.707642	0.000006	74.5	74.24
224.94	738.0	0.707692	0.000008	71.7	72.58
225.70	*740.5*	*0.707792*	*0.000007*	*66.2*	*67.77*
227.69	747.0	0.707654	0.000018	73.8	73.83
228.84	750.8	0.707674	0.000022	72.7	73.17
229.51	753.0	0.707620	0.000007	75.7	75.13
233.78	767.0	0.707642	0.000007	74.5	74.24
235.03	771.1	0.707639	0.000005	74.6	74.35
236.74	*776.7*	*0.707753*	*0.000004*	*68.3*	*70.27*
237.80	780.2	0.707609	0.000015	76.3	75.73
250.52	821.9	0.707628	0.00001	75.2	74.78
251.52	825.2	0.707568	0.000005	78.5	77.86
257.25	844.0	0.707556	0.000006	79.2	78.48
262.13	860.0	0.707565	0.000008	78.7	78.01
263.19	*863.5*	*0.707584*	*0.000005*	*77.7*	*77.07*
265.79	872.0	0.707607	0.000006	76.4	75.85
269.81	885.2	0.707537	0.000005	80.3	79.72
271.24	889.9	0.707609	0.000013	76.3	75.73
271.91	*892.1*	*0.707657*	*0.000004*	*73.6*	*73.73*
275.60	904.2	0.707546	0.000005	79.8	79.13
275.69	904.5	0.707565	0.000006	78.7	78.01
281.03	922.0	0.707521	0.000005	81.1	80.75
284.10	*932.1*	*0.707554*	*0.000022*	*79.3*	*78.59*
336.77	*1104.9*	*0.707507*	*0.000005*	*81.9*	*81.54*
348.75	*1144.2*	*0.707444*	*0.000008*	*85.4*	*84.72*

Bass River					
Sample Depth (m)	Sample Depth (ft)	Sr86/Sr87	Error (+/-)	Age (Ma) this study	Age (Ma) Howarth & McArthur (1997)
384.32	1260.9	0.707889	0.000018	64.3	*
384.47	1261.4	0.707876	0.000013	64.9	*
384.58	1261.75	0.707885	0.000004	64.5	*
385.11	1263.5	0.707895	0.000005	64.0	*
385.27	1264.0	0.707908	0.000005	63.4	*
385.42	1264.5	0.707900	0.000004	63.8	*
385.57	1265.0	0.707874	0.000016	65.0	*
386.03	1266.5	0.707884	0.000010	64.5	*
386.18	1267.0	0.707872	0.000010	65.0	*
386.33	1267.5	0.707872	0.000013	65.0	*
386.79	1269.0	0.707897	0.000006	63.9	*
386.94	1269.5	0.707875	0.000005	64.9	*
390.14	1280.0	0.707882	0.000032	64.6	*
397.37	1303.7	0.707695	0.000014	73.0	72.48
413.00	1355.0	0.707741	0.000039	70.9	70.77
433.18	1421.2	0.707638	0.000006	74.7	74.39
435.22	1427.9	0.707617	0.000005	75.8	75.28
435.80	1429.8	0.707608	0.000016	76.3	75.79
439.03	1440.4	0.707585	0.000006	77.6	77.03
443.48	*1455.0*	*0.707649*	*0.000013*	*74.1*	*74.00*
443.48	*1455.0*	*0.707680*	*0.000015*	*73.7*	*72.97*
445.01	*1460.0*	*0.707680*	*0.000015*	*73.7*	*72.97*
447.93	1469.6	0.707570	0.000006	78.4	77.76
464.82	*1525.0*	*0.707699*	*0.000007*	*72.8*	*72.35*
464.82	1525.0	0.707576	0.000021	78.4	77.47
475.49	1560.0	0.707586	0.000007	77.6	76.98
486.16	*1595.0*	*0.707593*	*0.000008*	*77.2*	*76.62*
491.34	*1612.0*	*0.707602*	*0.000014*	*76.7*	*76.12*
496.82	*1630.0*	*0.707559*	*0.000005*	*79.0*	*78.32*
500.48	*1642.0*	*0.707548*	*0.000005*	*79.7*	*78.98*
503.44	*1651.7*	*0.707558*	*0.000006*	*79.1*	*78.37*
505.97	*1660.0*	*0.707545*	*0.000008*	*79.8*	*79.20*
507.49	*1665.0*	*0.707525*	*0.000006*	*80.9*	*80.49*
508.71	*1669.0*	*0.707534*	*0.000005*	*80.4*	*79.90*
511.94	*1679.6*	*0.707444*	*0.000006*	*85.4*	*84.72*
512.03	*1679.9*	*0.707508*	*0.000006*	*81.9*	*81.68*
516.94	*1696.0*	*0.707531*	*0.000005*	*80.6*	*80.09*
517.70	*1698.5*	*0.707501*	*0.000005*	*82.2*	*82.10*
518.16	*1700.0*	*0.707502*	*0.000006*	*82.2*	*82.04*
518.46	*1701.0*	*0.707484*	*0.000006*	*83.2*	*82.94*
519.68	*1705.0*	*0.707556*	*0.000005*	*79.2*	*78.48*
519.93	*1705.8*	*0.707493*	*0.000006*	*82.7*	*82.51*
520.78	*1708.6*	*0.707470*	*0.000006*	*84.0*	*83.55*
551.38	*1809.0*	*0.707420*	*0.000006*	*86.7*	*85.73*
553.21	*1815.0*	*0.707483*	*0.000004*	*83.2*	*82.99*
556.87	*1827.0*	*0.707440*	*0.000004*	*85.6*	*84.89*

Bass River					
Sample Depth (m)	**Sample Depth (ft)**	**Sr86/Sr87**	**Error (+/-)**	**Age (Ma) this study**	**Age (Ma) Howarth & McArthur (1997)**
559.31	*1835.0*	*0.707434*	*0.000005*	*85.9*	*85.15*
565.40	*1855.0*	*0.707453*	*0.000005*	*84.9*	*84.31*
570.28	*1871.0*	*0.707449*	*0.000006*	*85.1*	*84.49*
573.94	*1883.0*	*0.707445*	*0.000009*	*85.3*	*84.67*
579.42	*1901.0*	*0.707470*	*0.000024*	*84.0*	*83.55*
585.22	*1920.0*	*0.707555*	*0.000004*	*79.3*	*78.53*
587.96	*1929.0*	*0.707463*	*0.000006*	*84.3*	*83.86*
594.06	*1949.0*	*0.707493*	*0.000006*	*82.7*	*82.51*

* Look-up table not applicable to these values