Site 903																																
Hole, Core, sectioin, interval (cm)	Depth (mbsf)	Lithology	Sand	Silt	Clay	Micrite	Cement	Spar. Cem.	Forams	Nannos	Diatoms	Rads	Spicules	Silicoflag	Pellets	Plant	Bioclasts	Rock Fragments	Quartz	Feldspar	Calcite	Dolomite	Siderite	Pyrite	Mica	Glauconite	Opaques	Acc. Min	Opal Count	Sparse Calcite	Pore Space	Unknwon	Descriptions
A-40X-CC, 31–34	352.24	M	40	10	50	50			Tr		0								25			Tr	0	5	0	20					0		Nodules; packstone, poorly sorted angular-subrounded medium sand-sized quartz + feldspar + cpx and medium sand-sized glauconite, abundant pyrite replacing glauconite, calcite-filled shrinkage crack around grains
41X-1, 94–96	356.64	M	40	10	50	50			Tr		Tr								20			Tr	0	5	0	25					0		Nodules; packstone, moderate sorted angular-subrounded medium sand-sized quartz and medium sand-sized glauconite, abundant pyrite replacing glauconite, calcite-filled shrinkage cracks around grains, fracture lined with spherulitic calcite
45X-2, 134–138	397.14	M	5	15	80	80			1		1					2			5			5	0	2	1	1					0		Nodules; common, lined burrows, matrix with abundant fecal pellets, finely recrystallized
48X-5, 12–16																																	Nodule; calcite cemented, burrows filled with quartz silt + foraminifer-rich mud, small borings
48X-5, 72	430.02	M	0	5	95	36			1		2				50	2			5			0	0	2	0	Tr					0		
48X-5, 94–98	430.24	M	0	5	95	95			0		0				0	1			3			0	0	1	0	0					0		Nodule; calcite cemented, minor ?siderite, abundant dissem pyrite, pyritized bivalve shells
48X-6, 44–47	431.24	M	0	5	95	43			1		0				50	Tr			5			0	0	1	0	0					0		Nodules; calcite cemented, abundant ?siderite, dissem pyrite + quartz silt
51X-3, 116–118	456.36	M	0	10	90	55			0			Tr				2			10	0	0	30		3	Tr	Tr							Septarian nodule; calcite-cemented peloidal micrite, common siderite + disseminated pyrite, fractures lined with 2 generations of calcite, overgrown by dolomite.
C-15R-2, 35–36	719.05	M	1	4	95	25			2		0				0	Tr			4			0	65	2	Tr	1					0		Nodule; cemented by ?siderite + minor calcite, minor silt-sized quartz + glauconite + microfossils.
15R-2, 90–92																																	Pyrite nodules; 10–20 m anhedral to subhedral pyrite replacing diatomaceous sediment
17R-4, 59–60																																	Burrow fill; convoluted texture of layered microcrystalline pyrite, common pyrite framboids
19R-2, 37–39	758.07	M	0	10	90	50			0		10	0			0	0			6			5	20	5	2	1					0		Nodule; ?calcite cemented clay
29R-6, 26–30	860.16	M	0	1	99	0			Tr		20	1			0	0			1			40	0	3	0	1					30		Dolostone; planar idiotopic texture, rhombs with Fe-rich rims, abundant fragmented diatoms in intercrystalline porosity + incorporated in dolomite rhombs
34R-1, 2–3	900.72	M	20	5	75	0			0		10	1			0	0			5			50	0	2	0	20					10		Laminated medium-coarse glauconite sand with abundant microfossils, cemented by Fe-poor dolomite rhombs with planar idiotopic texture
37R-3, 70–72	933.4	M	0	2	98	0			0		25	5	1		0	0			2			60	0	1	0	1					5		Dolostone; planar-subhedral idiotopic texture, abundant rads and diatoms

Site 903																																
Hole, Core, sectioin, interval (cm)	Depth (mbsf)	Lithology	Sand	Silt	Clay	Micrite	Cement	Spar. Cem.	Forams	Nannos	Diatoms	Rads	Spicules	Silicoflag	Pellets	Plant	Bioclasts	Rock Fragments	Quartz	Feldspar	Calcite	Dolomite	Siderite	Pyrite	Mica	Glauconite	Opaques	Acc. Min	Opal Count	Sparse Calcite	Pore Space	Unknwon	Descriptions
39R-6, 120–123	957.3	D	50	30	20	10			Tr		2	3	Tr		0	0			20			0	0	5	Tr	50					0		Medium-coarse sand-sized glauconite sand, abundant microfossils + fish fragments, clay matrix with compaction foliation
40R-4, 90	963.6	D	0	25	75	0	10	10	65		10	0				0		0	0	0	0	0	0	5	0	0	0	0			0		
44R-1,127–130	997.77	M	0	1	99	0			1		10	2	0		0	0			1			50	0	0	Tr	1					35		Dolostone; abundant forams, planar idiotopic 50 m Fe-rich dolomite
45R-1, 75–78	1006.95	M	7	3	90	0			1		0	0	0		0	0	1		3			75	0	Tr	0	7					10		Dolostone; planar idiotopic texture, fine sand-sized glauconite, diatom fragments overgrown by dolomite.
51R-5, 50–53	1059.62	M	0	35	65	10			20		5	2	0		0	0	2		17			Tr	0	5	1	15					0		Calcite-cemented packstone; abundant planktonic forams + fine sand-sized quartz + glauconite, broken bivalve shell, compaction foliation 6
51R-6, 147–149	1062.09	D	10	30	60	10			10		1	3	1		0	0	0		27			0	0	5	2	15					0		Laminated, alternating glauconite-rich + poor, burrowed, rare fish fragments, silt + fine sand-sized quartz, dark green + light green glauconite
51R-7, 0–3																																	Laminated, alternating glauconite-rich + poor, medium sand-sized glauconite, abundant microfossils, rare fish fragments, compaction foliation
51R-7, 70	1062.82	D	50	20	30	10			5		3	5	1		0	0	3		15			0	0	5	2	40					0		
51R-7, 120–122																																	Claystone; calcite cemented, glauconite concentrated in burrows, glauconite replacing rads, compaction foliation
52R-1, 14–16	1064.24	D	0	10	90	9	5	0	5		0								1			75		1		4							
52R-4, 67–70	1069.27	D	0	15	85	45	10	0	10		30								2			1		3		1	2		39				Micrite and opal-CT with silt-sized quartz and opaque grains form the matrix of this sample. foraminifers are poorly to well preserved and partially to completely filled with opal-CT. Microfractures are common.
53R-3, 56–58	1077.36	D	0	30	70	40	3	5	20		25								5			2		5			5		25				Micrite and opal-CT with silt-sized quartz and opaque grains form the matrix of thsi sample. Foraminifers are poorly to well preserved and partially to completely filled with opal-CT and sparry calcite.
54R-6, 10–14	1091	D	0	25	75	50	15	1	20		25								4			1		4		1	3		20				Matrix is composed of micrite and opal-CT with silt-sized opaque, quartz and glauconite grains. Subparallel microfractures are abundant. Foraminifers are poorly to well preserved and filled with opal-CT.

Site 903																																
Hole, Core, sectioin, interval (cm)	Depth (mbsf)	Lithology	Sand	Silt	Clay	Micrite	Cement	Spar. Cem.	Forams	Nannos	Diatoms	Rads	Spicules	Silicoflag	Pellets	Plant	Bioclasts	Rock Fragments	Quartz	Feldspar	Calcite	Dolomite	Siderite	Pyrite	Mica	Glauconite	Opaques	Acc. Min	Opal Count	Sparse Calcite	Pore Space	Unknwon	Descriptions
55R-2, 38–41	1094.68	D	0	20	80	53	0	1	9		15								10			1		5		1	5		20				Micrite and opal-CT with silt-sized quartz, opaque, and glauconite grains constitute the matrix of this sample. Quartz is angular and abundant.
56R-4, 65–66	1106.83	D	0	25	75	20	25	5	25		25													0									
56R-5, 133–135	1109.01	D	0	25	75	55	0	0	15		15								5					10		1	9		15				Micrite and opal-CT with silt-sized quartz, opaques, and glauconite grains constitute the matrix of this sample. Microfractures are common. Formainifers are poorly to well preserved. Uniaxial cross in some foraminifers indicates preservation of primary cementation. Most foraminifers are filled with opal-CT.
56R-6, 65				20	80	40		2	15										5			3				2	3		30				Diagenetic fluids form broad zones of dark and light stained micrite. Foraminifers are poorly to well preserved and filled with opal-CT and minor sparry calcite. An increase in opal-CT corresponds to an increase in bulk density and indicates progressive silica diagenesis.
57R-2, 42–43	1113.42	D	0	20	80	50	0	2	15		25								2					5			1		30				Matrix is broad, irregular zones rimmed with dark-stained micrite and filled with opal-CT. Dark-stained lineations also occur sub-paralell to each other and othogonally intersecting. Foraminifers are well preserved and completely filled with opal-CT and minor sparry calcite.
58R-6, 75–78	1128.01	D	0	25	75	40	0	10	20		20	0												5			5	0	30	5	0		Micrite and opal-CT form the matrix of this sample. Opaque stains are common. Foraminifers are abundant, well preserved aqnd filled with opal-CT and minor coarsely crystallyne sparry calcite. Linear subparallel, dark-stained fluid pathways are common.
58R-7, 80–83	1129.56	D	0	25	75	35	10	5	25		10	0				0						0		5			2	0	30	8	0		Matrix is composed of micrite and opal-CT. Foraminifers are well preserved abundant and filled with opal-CT and coarsely crystalline sparry calcite. Linear subparallel microfractures and fluid migration pathways are common.
58R-CC, 5	1130.95	D	0	20	80	48	0	5	15		20	0				0						0		2			2	0	30	5	0		Micrite and opal-CT form the matrix. Foraminifers are well preserved and filled with coarsely crystalline sparry calcite. Minor microfracturing.
59R-3, 109–113	1133.58	D	0	15	85	60	12	10	15		15	0				0		0				0	0	3			3	0	22	10	0		Matrix is composed or micrite and opal-CT. Foraminifers are well preserved and primarily filled with coarsely crystalline sparry calcite. This interval is more calcareous than others. Subparallel microfractures and fluid pathways noted by dark-stained micrite are common.

Site 903																																
Hole, Core, sectioin, interval (cm)	Depth (mbsf)	Lithology	Sand	Silt	Clay	Micrite	Cement	Spar. Cem.	Forams	Nannos	Diatoms	Rads	Spicules	Silicoflag	Pellets	Plant	Bioclasts	Rock Fragments	Quartz	Feldspar	Calcite	Dolomite	Siderite	Pyrite	Mica	Glauconite	Opaques	Acc. Min	Opal Count	Sparse Calcite	Pore Space	Unknwon	Descriptions
60R-4, 90–92				25	75	43			15													1				3	3		25	10			Micrite and opal-CT form the matrix of this sample. Foraminifers are very abundant, well preserved and primarily filled with coarse to fine crystals of sparry calcite. Staining by opaque minerals and glauconite grains common.
D-8R-5, 29–30	848.69	M	20	20	60	0			0			0				1			30	1	15	50		0	Tr	1	2						Fracture fill; cement-supported, very angular, fine sand-sized quartz + glauconite-rich clay intraclasts, cemented by anhedral FE-rich dolomite, convolute texture
21R-5, 41–45	1001.37	D	10	5	85				10		5	5							5		5	50		Tr		20							Dolostone, 50 m planar idiotopic dolomite, abundant microfossils
23R-CC, 10–12	1015.7	D	5	5	90				1		4	5							5			55				5					25		Dolostone; 50 m Fe-rich, planar idiotopic dolomite, common microfossils