

**Table C3-5
Detailed Visual and Shake Test Observations by Depth for
Cores Processed Using Phase 2 Methods**

Core ID	Core Type	Start Depth (cm below mudline)	End Depth (cm below mudline)	Shake Test Depth (cm below mudline)	Visual Observation	Shake Test Result	Shake Test Bleb Rank Estimate
DK012SC-A	Phase 2 Groundwater	0	76	N/A	None	N/A	N/A
DK012SC-A	Phase 2 Groundwater	152	253	242	Sheen	Sheen	NB
DK012SC-A	Phase 2 Groundwater	305	375	N/A	Sheen	N/A	N/A
DK012SC-A	Phase 2 Groundwater	457	506	N/A	Sheen	N/A	N/A
DK012SC-A	Phase 2 Groundwater	610	741	620	None	Negative	NB
DK012SC-A	Phase 2 Groundwater	762	914	N/A	None	N/A	N/A
DK033SC-A	Phase 2 Subsurface	0	50	50	None	Negative	NB
DK033SC-A	Phase 2 Subsurface	50	160	160	None	Negative	NB
DK033SC-A	Phase 2 Subsurface	160	310	250	None	Negative	NB
DK033SC-D	Phase 2 Subsurface	0	13	N/A	None	N/A	N/A
DK033SC-D	Phase 2 Subsurface	13	320	N/A	None	N/A	N/A
DK033SC-G	Phase 2 Subsurface	0	21	10	Sheen	Sheen	NB
DK033SC-G	Phase 2 Subsurface	21	85	N/A	None	N/A	N/A
DK033SC-G	Phase 2 Subsurface	85	138	100	Sheen	Negative	NB
DK033SC-G	Phase 2 Subsurface	138	140	N/A	None	N/A	N/A
DK033SC-G	Phase 2 Subsurface	140	170	N/A	Sheen	N/A	N/A
DK033SC-G	Phase 2 Subsurface	170	210	N/A	None	N/A	N/A
DK033SC-G	Phase 2 Subsurface	210	230	225	Sheen	Negative	NB
DK033SC-G	Phase 2 Subsurface	230	270	N/A	None	N/A	N/A
DK033SC-G	Phase 2 Subsurface	270	320	300	Sheen	Negative	NB
DK033SC-G	Phase 2 Subsurface	320	334	N/A	None	N/A	N/A
DK037SC-A	Phase 2 Subsurface	0	50	40	Sheen	Sheen	NB
DK037SC-A	Phase 2 Subsurface	50	120	N/A	None	N/A	N/A
DK037SC-B	Phase 2 Subsurface	0	85	N/A	Sheen	N/A	N/A
DK037SC-B	Phase 2 Subsurface	85	117	N/A	None	N/A	N/A
DK037SC-E	Phase 2 Subsurface	0	45	N/A	Sheen	N/A	N/A
DK037SC-E	Phase 2 Subsurface	45	110	N/A	None	N/A	N/A
DK041SC-A	Phase 2 Groundwater	0	24	N/A	None	N/A	N/A
DK041SC-A	Phase 2 Groundwater	152	195	N/A	None	N/A	N/A
DK041SC-A	Phase 2 Groundwater	305	314	307	Sheen	Sheen	NB
DK041SC-A	Phase 2 Groundwater	528	544	N/A	None	N/A	N/A
DK041SC-A	Phase 2 Groundwater	544	584	N/A	None	N/A	N/A
DK041SC-A	Phase 2 Groundwater	584	625	N/A	None	N/A	N/A
DK041SC-A	Phase 2 Groundwater	625	762	N/A	None	N/A	N/A
DK041SC-A	Phase 2 Groundwater	762	911	N/A	None	N/A	N/A
DK042SC-A	Phase 2 Groundwater	0	165	N/A	None	N/A	N/A
DK042SC-A	Phase 2 Groundwater	183	200	N/A	None	N/A	N/A
DK042SC-A	Phase 2 Groundwater	200	220	213	Sheen	Sheen	NB
DK042SC-A	Phase 2 Groundwater	220	253	N/A	None	N/A	N/A
DK042SC-A	Phase 2 Groundwater	366	446	N/A	None	N/A	N/A
DK042SC-A	Phase 2 Groundwater	446	466	N/A	None	N/A	N/A
DK042SC-A	Phase 2 Groundwater	518	645	N/A	None	N/A	N/A
DK042SC-A	Phase 2 Groundwater	671	732	N/A	None	N/A	N/A
DK043SC-A	Phase 2 Groundwater	0	120	60	None	Negative	NB
DK043SC-A	Phase 2 Groundwater	120	229	N/A	None	N/A	N/A
DK043SC-A	Phase 2 Groundwater	244	298	N/A	None	N/A	N/A
DK043SC-A	Phase 2 Groundwater	396	417	N/A	None	N/A	N/A
DK043SC-A	Phase 2 Groundwater	549	613	N/A	None	N/A	N/A
DK043SC-A	Phase 2 Groundwater	701	719	N/A	None	N/A	N/A
DK043SC-A	Phase 2 Groundwater	719	828	N/A	None	N/A	N/A
DK043SC-A	Phase 2 Groundwater	853	1,000	1000	None	Negative	NB
DK044SC-A	Phase 2 Groundwater	0	142	N/A	None	N/A	N/A
DK044SC-A	Phase 2 Groundwater	152	216	172	Sheen	Sheen	NB
DK044SC-A	Phase 2 Groundwater	305	343	N/A	Sheen	N/A	N/A
DK044SC-A	Phase 2 Groundwater	343	357	N/A	None	N/A	N/A
DK044SC-A	Phase 2 Groundwater	357	373	N/A	None	N/A	N/A
DK044SC-A	Phase 2 Groundwater	373	389	N/A	None	N/A	N/A
DK044SC-A	Phase 2 Groundwater	457	610	N/A	None	N/A	N/A
DK044SC-A	Phase 2 Groundwater	610	762	N/A	None	N/A	N/A
DK045SC-A	Phase 2 Groundwater	0	30	20	Sheen	Sheen	NB
DK045SC-A	Phase 2 Groundwater	30	55	N/A	None	N/A	N/A
DK045SC-A	Phase 2 Groundwater	229	241	N/A	Sheen	N/A	N/A
DK045SC-A	Phase 2 Groundwater	241	264	N/A	None	N/A	N/A
DK045SC-A	Phase 2 Groundwater	381	425	N/A	None	N/A	N/A
DK045SC-A	Phase 2 Groundwater	533	637	N/A	None	N/A	N/A
DK045SC-A	Phase 2 Groundwater	686	707	N/A	None	N/A	N/A
DK052SC-A	Phase 2 Groundwater	0	52	N/A	None	N/A	N/A
DK052SC-A	Phase 2 Groundwater	52	55	N/A	Sheen	N/A	N/A
DK052SC-A	Phase 2 Groundwater	55	72	N/A	None	N/A	N/A
DK052SC-A	Phase 2 Groundwater	72	77	N/A	Sheen	N/A	N/A
DK052SC-A	Phase 2 Groundwater	77	79	N/A	None	N/A	N/A
DK052SC-A	Phase 2 Groundwater	91	121	N/A	None	N/A	N/A
DK052SC-A	Phase 2 Groundwater	244	270	N/A	None	N/A	N/A

**Table C3-5
Detailed Visual and Shake Test Observations by Depth for
Cores Processed Using Phase 2 Methods**

Core ID	Core Type	Start Depth (cm below mudline)	End Depth (cm below mudline)	Shake Test Depth (cm below mudline)	Visual Observation	Shake Test Result	Shake Test Bleb Rank Estimate
DK052SC-A	Phase 2 Groundwater	270	305	N/A	None	N/A	N/A
DK052SC-A	Phase 2 Groundwater	396	411	N/A	None	N/A	N/A
DK052SC-A	Phase 2 Groundwater	411	444	N/A	None	N/A	N/A
DK052SC-A	Phase 2 Groundwater	549	571	N/A	None	N/A	N/A
DK052SC-A	Phase 2 Groundwater	571	575	N/A	None	N/A	N/A
DK052SC-H	FS Part 1 Gas Ebullition Pilot Study	0	357	N/A	None	N/A	N/A
DK052SC-I	FS Part 1 Gas Ebullition Pilot Study	0	506	N/A	None	N/A	N/A
DK052SC-J	FS Part 1 Gas Ebullition Pilot Study	0	460	N/A	None	N/A	N/A
DK052SC-K	FS Part 1 Gas Ebullition Pilot Study	0	302	N/A	None	N/A	N/A
DK052SC-L	FS Part 1 Gas Ebullition Pilot Study	0	280	N/A	None	N/A	N/A
DK052SC-M	FS Part 1 Gas Ebullition Pilot Study	0	305	N/A	None	N/A	N/A
DK052SC-N	FS Part 1 Gas Ebullition Pilot Study	0	290	N/A	None	N/A	N/A
EB006SC-A	Phase 2 Subsurface	0	100	40	None	Negative	NB
EB006SC-A	Phase 2 Subsurface	100	123	110	Blebs	Blebs	1
EB025SC-A	Phase 2 Groundwater	0	21	N/A	None	N/A	N/A
EB025SC-A	Phase 2 Groundwater	213	296	253	None	Negative	NB
EB025SC-A	Phase 2 Groundwater	366	378	376	Sheen	Sheen	NB
EB025SC-A	Phase 2 Groundwater	378	477	N/A	None	N/A	N/A
EB025SC-A	Phase 2 Groundwater	518	671	N/A	None	N/A	N/A
EB025SC-A	Phase 2 Groundwater	671	762	N/A	None	N/A	N/A
EB040SC-A	Phase 2 Subsurface	0	187	100	None	Negative	NB
EB040SC-A	Phase 2 Subsurface	187	246	235	Sheen	Blebs	2
EB040SC-A	Phase 2 Subsurface	246	321	N/A	None	N/A	N/A
EB040SC-A	Phase 2 Subsurface	321	440	330	None	Blebs	2
EB040SC-A	Phase 2 Subsurface	440	501	480	Sheen	Sheen	NB
EB040SC-D	Phase 2 Subsurface	0	90	90	None	Negative	NB
EB040SC-D	Phase 2 Subsurface	90	290	200	None	Negative	NB
EB040SC-D	Phase 2 Subsurface	290	355	300	Sheen	Blebs	3
EB040SC-D	Phase 2 Subsurface	355	377	360	Sheen	Sheen	NB
EB040SC-D	Phase 2 Subsurface	377	406	400	Sheen	Blebs	1
EB040SC-E	Phase 2 Subsurface	0	150	100	None	Negative	NB
EB040SC-E	Phase 2 Subsurface	150	208	150	Blebs	Blebs	3
EB040SC-E	Phase 2 Subsurface	208	241	220	Sheen	Sheen	NB
EB041SC-A	Phase 2 Subsurface	0	13	13	Sheen	Sheen	NB
EB041SC-A	Phase 2 Subsurface	13	97	90	Sheen	Sheen	NB
EB041SC-A	Phase 2 Subsurface	97	177	N/A	None	N/A	N/A
EB041SC-A	Phase 2 Subsurface	177	223	200	Sheen	Sheen	NB
EB041SC-A	Phase 2 Subsurface	223	344	N/A	None	N/A	N/A
EB041SC-A	Phase 2 Subsurface	344	466	N/A	None	N/A	N/A
EB041SC-B	Phase 2 Subsurface	0	40	N/A	Sheen	N/A	N/A
EB041SC-B	Phase 2 Subsurface	40	90	N/A	None	N/A	N/A
EB041SC-B	Phase 2 Subsurface	90	240	210	Sheen	Sheen	NB
EB041SC-B	Phase 2 Subsurface	240	360	N/A	None	N/A	N/A
EB041SC-B	Phase 2 Subsurface	360	442	N/A	None	N/A	N/A
EB045SC-A	Phase 2 Subsurface	0	40	40	None	Sheen	NB
EB045SC-A	Phase 2 Subsurface	40	200	200	None	Sheen	NB
EB045SC-A	Phase 2 Subsurface	200	493	460	None	Blebs	1
EB045SC-A	Phase 2 Subsurface	493	496	493	None	Sheen	NB
EB045SC-A	Phase 2 Subsurface	496	522	510	None	Negative	NB
EB045SC-B	Phase 2 Subsurface	0	130	70	None	Sheen	NB
EB045SC-B	Phase 2 Subsurface	130	215	130	None	Sheen	NB
EB045SC-B	Phase 2 Subsurface	215	280	215	None	Sheen	NB
EB045SC-B	Phase 2 Subsurface	280	360	280	None	Sheen	NB
EB045SC-B	Phase 2 Subsurface	360	440	360	None	Sheen	NB
EB045SC-B	Phase 2 Subsurface	440	466	440	None	Sheen	NB
EB045SC-B	Phase 2 Subsurface	466	528	500	None	Negative	NB
EB046SC-A	Phase 2 Groundwater	0	229	N/A	None	N/A	N/A
EB046SC-A	Phase 2 Groundwater	396	481	N/A	None	N/A	N/A
EB046SC-A	Phase 2 Groundwater	481	515	500	None	Negative	NB
EB046SC-A	Phase 2 Groundwater	549	610	N/A	None	N/A	N/A
EB046SC-A	Phase 2 Groundwater	701	738	N/A	None	N/A	N/A
EB047SC-A	Phase 2 Groundwater	0	73	N/A	None	N/A	N/A
EB047SC-A	Phase 2 Groundwater	152	186	172	None	Negative	NB
EB047SC-A	Phase 2 Groundwater	305	320	N/A	None	N/A	N/A
EB047SC-A	Phase 2 Groundwater	320	378	N/A	None	N/A	N/A
EB048SC-A	Phase 2 Groundwater	0	76	42	Sheen	Sheen	NB
EB048SC-A	Phase 2 Groundwater	91	126	105	None	Negative	NB
EB048SC-A	Phase 2 Groundwater	152	216	N/A	None	N/A	N/A
EB048SC-A	Phase 2 Groundwater	305	380	N/A	None	N/A	N/A
EB049SC-A	Phase 2 Groundwater	0	98	N/A	None	N/A	N/A
EB049SC-A	Phase 2 Groundwater	122	166	N/A	None	N/A	N/A
EB049SC-A	Phase 2 Groundwater	274	284	N/A	None	N/A	N/A
EB050SC-A	Phase 2 Groundwater	0	160	N/A	None	N/A	N/A

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Core ID	Core Type	Start Depth (cm below mudline)	End Depth (cm below mudline)	Shake Test Depth (cm below mudline)	Visual Observation	Shake Test Result	Shake Test Bleb Rank Estimate
EB050SC-A	Phase 2 Groundwater	160	216	160	None	Negative	NB
EB050SC-A	Phase 2 Groundwater	305	384	N/A	None	N/A	N/A
EB050SC-A	Phase 2 Groundwater	457	573	N/A	None	N/A	N/A
EB050SC-A	Phase 2 Groundwater	610	657	N/A	None	N/A	N/A
EB050SC-A	Phase 2 Groundwater	657	687	N/A	None	N/A	N/A
EB050SC-A	Phase 2 Groundwater	687	701	N/A	None	N/A	N/A
EB051SC-A	Phase 2 Groundwater	0	62	31	Sheen	Sheen	NB
EB051SC-A	Phase 2 Groundwater	62	107	N/A	None	N/A	N/A
EB051SC-A	Phase 2 Groundwater	152	183	N/A	Sheen	N/A	N/A
EB051SC-A	Phase 2 Groundwater	305	396	N/A	None	N/A	N/A
EB051SC-A	Phase 2 Groundwater	457	497	N/A	None	N/A	N/A
EB051SC-A	Phase 2 Groundwater	497	582	N/A	None	N/A	N/A
EB052SC-A	Phase 2 Groundwater	0	213	N/A	None	N/A	N/A
EB052SC-A	Phase 2 Groundwater	488	515	495	None	Negative	NB
EB052SC-A	Phase 2 Groundwater	640	700	N/A	None	N/A	N/A
EB052SC-A	Phase 2 Groundwater	700	710	N/A	None	N/A	N/A
EB052SC-A	Phase 2 Groundwater	792	884	N/A	None	N/A	N/A
EK003SC-B	Phase 2 Subsurface/Processed Phase 1 Archive	0	30	10	None	Negative	NB
EK003SC-B	Phase 2 Subsurface/Processed Phase 1 Archive	30	90	50	Sheen	Sheen	NB
EK003SC-B	Phase 2 Subsurface/Processed Phase 1 Archive	90	123	100	Blebs	Blebs	2
EK003SC-B	Phase 2 Subsurface/Processed Phase 1 Archive	123	220	150	None	Negative	NB
EK003SC-B	Phase 2 Subsurface/Processed Phase 1 Archive	220	281	220	None	Negative	NB
EK003SC-B	Phase 2 Subsurface/Processed Phase 1 Archive	281	286	283	Coated	Layer	NB
EK004SC-B	Phase 2 Subsurface/Processed Phase 1 Archive	0	30	20	None	Negative	NB
EK004SC-B	Phase 2 Subsurface/Processed Phase 1 Archive	30	55	45	Sheen	Sheen	NB
EK004SC-B	Phase 2 Subsurface/Processed Phase 1 Archive	55	160	100	None	Negative	NB
EK004SC-B	Phase 2 Subsurface/Processed Phase 1 Archive	160	240	160	None	Negative	NB
EK004SC-B	Phase 2 Subsurface/Processed Phase 1 Archive	240	270	240	None	Negative	NB
EK004SC-B	Phase 2 Subsurface/Processed Phase 1 Archive	270	410	310	None	Negative	NB
EK004SC-B	Phase 2 Subsurface/Processed Phase 1 Archive	410	470	410	None	Negative	NB
EK004SC-B	Phase 2 Subsurface/Processed Phase 1 Archive	470	495	470	None	Negative	NB
EK004SC-B	Phase 2 Subsurface/Processed Phase 1 Archive	495	505	N/A	Coated	N/A	N/A
EK004SC-B	Phase 2 Subsurface/Processed Phase 1 Archive	505	530	520	Saturated	Layer	NB
EK005SC-A	Phase 2 Subsurface/Processed Phase 1 Archive	0	80	30	Sheen	Sheen	NB
EK005SC-A	Phase 2 Subsurface/Processed Phase 1 Archive	80	90	90	Blebs	Blebs	2
EK005SC-A	Phase 2 Subsurface/Processed Phase 1 Archive	90	115	N/A	Sheen	N/A	N/A
EK005SC-A	Phase 2 Subsurface/Processed Phase 1 Archive	115	148	135	None	Negative	NB
EK005SC-A	Phase 2 Subsurface/Processed Phase 1 Archive	148	155	N/A	Blebs	N/A	N/A
EK005SC-A	Phase 2 Subsurface/Processed Phase 1 Archive	155	190	N/A	None	N/A	N/A
EK005SC-A	Phase 2 Subsurface/Processed Phase 1 Archive	190	211	208	Coated	Layer	NB
EK005SC-A	Phase 2 Subsurface/Processed Phase 1 Archive	211	222	N/A	None	N/A	N/A
EK005SC-A	Phase 2 Subsurface/Processed Phase 1 Archive	222	230	N/A	Coated	N/A	N/A
EK005SC-A	Phase 2 Subsurface/Processed Phase 1 Archive	230	260	235	Sheen	Sheen	NB
EK005SC-A	Phase 2 Subsurface/Processed Phase 1 Archive	260	270	260	None	Negative	NB
EK005SC-A	Phase 2 Subsurface/Processed Phase 1 Archive	275	422	360	None	Negative	NB
EK006SC-C	Phase 2 Subsurface	0	30	30	Sheen	Sheen	NB
EK006SC-C	Phase 2 Subsurface	30	108	100	Sheen	Sheen	NB
EK006SC-D	Phase 2 Subsurface	0	106	40	Sheen	Sheen	NB
EK006SC-D	Phase 2 Subsurface	106	108	N/A	Blebs	N/A	N/A
EK006SC-D	Phase 2 Subsurface	108	115	110	Coated	Layer	NB
EK007SC-B	Processed Phase 1 Archive	0	21	10	Sheen	Sheen	NB
EK007SC-B	Processed Phase 1 Archive	21	44	35	None	Sheen	NB
EK007SC-B	Processed Phase 1 Archive	59	196	80	None	Sheen	NB
EK007SC-B	Processed Phase 1 Archive	210	220	220	None	Sheen	NB
EK007SC-B	Processed Phase 1 Archive	220	380	370	None	Sheen	NB
EK007SC-B	Processed Phase 1 Archive	380	410	390	None	Negative	NB
EK007SC-B	Processed Phase 1 Archive	410	442	N/A	None	N/A	N/A
EK007SC-B	Processed Phase 1 Archive	442	480	N/A	None	N/A	N/A
EK007SC-B	Processed Phase 1 Archive	480	502	495	None	Negative	NB
EK008SC-B	Processed Phase 1 Archive	0	20	N/A	None	N/A	N/A
EK008SC-B	Processed Phase 1 Archive	20	97	30	None	Sheen	NB
EK008SC-B	Processed Phase 1 Archive	106	218	120	None	Sheen	NB
EK008SC-B	Processed Phase 1 Archive	218	228	218	None	Sheen	NB
EK008SC-B	Processed Phase 1 Archive	228	304	238	None	Negative	NB
EK008SC-B	Processed Phase 1 Archive	304	365	360	None	Negative	NB
EK008SC-B	Processed Phase 1 Archive	365	372	N/A	None	N/A	N/A
EK009SC-A	Phase 2 Groundwater	0	168	N/A	None	N/A	N/A
EK009SC-A	Phase 2 Groundwater	213	247	218	None	Sheen	NB
EK009SC-A	Phase 2 Groundwater	366	436	N/A	None	N/A	N/A
EK009SC-A	Phase 2 Groundwater	518	600	N/A	None	N/A	N/A
EK013SC-A	Phase 2 Groundwater	0	119	N/A	None	N/A	N/A
EK013SC-A	Phase 2 Groundwater	244	277	N/A	None	N/A	N/A
EK013SC-A	Phase 2 Groundwater	396	423	N/A	None	N/A	N/A

**Table C3-5
Detailed Visual and Shake Test Observations by Depth for
Cores Processed Using Phase 2 Methods**

Core ID	Core Type	Start Depth (cm below mudline)	End Depth (cm below mudline)	Shake Test Depth (cm below mudline)	Visual Observation	Shake Test Result	Shake Test Bleb Rank Estimate
EK013SC-A	Phase 2 Groundwater	423	494	N/A	None	N/A	N/A
EK013SC-A	Phase 2 Groundwater	549	655	N/A	None	N/A	N/A
EK013SC-A	Phase 2 Groundwater	701	708	N/A	None	N/A	N/A
EK013SC-A	Phase 2 Groundwater	708	768	N/A	None	N/A	N/A
EK013SC-A	Phase 2 Groundwater	853	861	N/A	None	N/A	N/A
EK013SC-A	Phase 2 Groundwater	861	975	N/A	None	N/A	N/A
EK025SC-H	FS Part 1 NAPL Distribution Refinement	0	85	35	Sheen	Sheen	NB
EK025SC-H	FS Part 1 NAPL Distribution Refinement			53	Sheen	Sheen	NB
EK025SC-H	FS Part 1 NAPL Distribution Refinement	85	264	254	None	Negative	NB
EK025SC-H	FS Part 1 NAPL Distribution Refinement	264	265	264	Blebs	Blebs	3
EK025SC-H	FS Part 1 NAPL Distribution Refinement	265	396	275	None	Negative	NB
EK025SC-H	FS Part 1 NAPL Distribution Refinement			391	None	Negative	NB
EK025SC-I	FS Part 1 NAPL Distribution Refinement	305	310	N/A	Sheen	N/A	N/A
EK025SC-I	FS Part 1 NAPL Distribution Refinement	310	314	314	Blebs	Sheen	NB
EK025SC-I	FS Part 1 NAPL Distribution Refinement	314	325	N/A	Sheen	N/A	N/A
EK025SC-I	FS Part 1 NAPL Distribution Refinement	325	326	N/A	Saturated	N/A	N/A
EK025SC-I	FS Part 1 NAPL Distribution Refinement	326	370	N/A	Sheen	N/A	N/A
EK025SC-I	FS Part 1 NAPL Distribution Refinement	370	430	N/A	None	N/A	N/A
EK025SC-I	FS Part 1 NAPL Distribution Refinement	430	432	431	Blebs	Blebs	2
EK025SC-I	FS Part 1 NAPL Distribution Refinement	432	451	N/A	None	N/A	N/A
EK025SC-I	FS Part 1 NAPL Distribution Refinement	451	457	N/A	No Recovery	N/A	N/A
EK025SC-I	FS Part 1 NAPL Distribution Refinement	457	520	N/A	None	N/A	N/A
EK025SC-I	FS Part 1 NAPL Distribution Refinement	520	528	522	Blebs	Blebs	3
EK025SC-I	FS Part 1 NAPL Distribution Refinement	528	552	N/A	None	N/A	N/A
EK025SC-I	FS Part 1 NAPL Distribution Refinement	552	558	554 ^{1,2}	Coated	Layer	NB
EK025SC-I	FS Part 1 NAPL Distribution Refinement	558	591	N/A	None	N/A	N/A
EK025SC-I	FS Part 1 NAPL Distribution Refinement	591	610	N/A	No Recovery	N/A	N/A
EK025SC-I	FS Part 1 NAPL Distribution Refinement	610	738	650	None	Negative	NB
EK025SC-I	FS Part 1 NAPL Distribution Refinement	738	762	N/A	No Recovery	N/A	N/A
EK025SC-I	FS Part 1 NAPL Distribution Refinement	762	893	860	None	Negative	NB
EK026SC-A	Phase 2 Groundwater	0	223	N/A	None	N/A	N/A
EK026SC-A	Phase 2 Groundwater	244	284	282	None	Negative	NB
EK026SC-A	Phase 2 Groundwater	366	390	N/A	None	N/A	N/A
EK026SC-A	Phase 2 Groundwater	390	424	N/A	None	N/A	N/A
EK026SC-A	Phase 2 Groundwater	518	588	N/A	None	N/A	N/A
EK026SC-A	Phase 2 Groundwater	671	756	N/A	None	N/A	N/A
EK036SC-A	Phase 2 Groundwater	0	46	N/A	None	N/A	N/A
EK036SC-A	Phase 2 Groundwater	152	198	196	None	Negative	NB
EK036SC-A	Phase 2 Groundwater	305	309	N/A	None	N/A	N/A
EK036SC-A	Phase 2 Groundwater	309	385	N/A	None	N/A	N/A
EK036SC-A	Phase 2 Groundwater	457	588	506	None	Negative	NB
EK036SC-A	Phase 2 Groundwater	610	762	N/A	None	N/A	N/A
EK042SC-A	Phase 2 Groundwater	0	142	N/A	None	N/A	N/A
EK042SC-A	Phase 2 Groundwater	152	188	N/A	None	N/A	N/A
EK042SC-A	Phase 2 Groundwater	213	244	230	Sheen	Negative	NB
EK042SC-A	Phase 2 Groundwater	366	405	N/A	None	N/A	N/A
EK042SC-A	Phase 2 Groundwater	405	406	N/A	Sheen	N/A	N/A
EK042SC-A	Phase 2 Groundwater	406	465	N/A	None	N/A	N/A
EK042SC-A	Phase 2 Groundwater	465	466	465	Sheen	Sheen	NB
EK042SC-A	Phase 2 Groundwater	466	470	N/A	None	N/A	N/A
EK042SC-A	Phase 2 Groundwater	518	594	520	None	Negative	NB
EK042SC-A	Phase 2 Groundwater	671	747	N/A	None	N/A	N/A
EK070SC-A	Phase 2 Groundwater	0	37	N/A	None	N/A	N/A
EK070SC-A	Phase 2 Groundwater	46	85	46	None	Sheen	NB
EK070SC-A	Phase 2 Groundwater	198	206	N/A	None	N/A	N/A
EK070SC-A	Phase 2 Groundwater	206	251	N/A	None	N/A	N/A
EK070SC-A	Phase 2 Groundwater	251	268	N/A	None	N/A	N/A
EK070SC-A	Phase 2 Groundwater	351	454	N/A	None	N/A	N/A
EK078SC-C	Phase 2 Subsurface	0	60	N/A	None	N/A	N/A
EK078SC-C	Phase 2 Subsurface	60	90	70	Blebs	Blebs	3
EK078SC-C	Phase 2 Subsurface	90	230	N/A	None	N/A	N/A
EK079SC-A	Phase 2 Subsurface	0	15	15	Sheen	Sheen	NB
EK079SC-A	Phase 2 Subsurface	15	105	100	Sheen	Sheen	NB
EK079SC-A	Phase 2 Subsurface	105	386	N/A	None	N/A	N/A
EK079SC-A	Phase 2 Subsurface	386	610	N/A	None	N/A	N/A
EK080SC-A	Phase 2 Subsurface	0	75	60	Sheen	Sheen	NB
EK080SC-A	Phase 2 Subsurface	75	272	N/A	None	N/A	N/A
EK080SC-A	Phase 2 Subsurface	272	428	N/A	None	N/A	N/A
EK080SC-A	Phase 2 Subsurface	428	431	430	Saturated	Layer	NB
EK080SC-A	Phase 2 Subsurface	431	462	N/A	None	N/A	N/A
EK081SC-A	Phase 2 Subsurface	0	54	25	Sheen	Sheen	NB
EK081SC-A	Phase 2 Subsurface	54	230	N/A	None	N/A	N/A

**Table C3-5
Detailed Visual and Shake Test Observations by Depth for
Cores Processed Using Phase 2 Methods**

Core ID	Core Type	Start Depth (cm below mudline)	End Depth (cm below mudline)	Shake Test Depth (cm below mudline)	Visual Observation	Shake Test Result	Shake Test Bleb Rank Estimate
EK081SC-A	Phase 2 Subsurface	230	300	230	Sheen	Sheen	NB
EK081SC-A	Phase 2 Subsurface	300	500	N/A	None	N/A	N/A
EK081SC-A	Phase 2 Subsurface	500	550	N/A	None	N/A	N/A
EK081SC-B	Phase 2 Subsurface	0	60	N/A	Sheen	N/A	N/A
EK081SC-B	Phase 2 Subsurface	60	396	N/A	None	N/A	N/A
EK082SC-A	Phase 2 Subsurface	0	22	10	Sheen	Negative	NB
EK082SC-A	Phase 2 Subsurface	22	203	N/A	None	N/A	N/A
EK082SC-A	Phase 2 Subsurface	203	239	230	Sheen	Sheen	NB
EK082SC-A	Phase 2 Subsurface	239	510	N/A	None	N/A	N/A
EK082SC-B	Phase 2 Subsurface	0	230	N/A	None	N/A	N/A
EK082SC-B	Phase 2 Subsurface	230	231	N/A	Sheen	N/A	N/A
EK082SC-B	Phase 2 Subsurface	231	290	N/A	None	N/A	N/A
EK082SC-B	Phase 2 Subsurface	290	305	N/A	None	N/A	N/A
EK083SC-B	Phase 2 Subsurface	0	22	N/A	Sheen	N/A	N/A
EK083SC-B	Phase 2 Subsurface	22	230	N/A	None	N/A	N/A
EK083SC-B	Phase 2 Subsurface	230	533	N/A	Sheen	N/A	N/A
EK083SC-C	Phase 2 Subsurface	0	20	20	Sheen	Sheen	NB
EK083SC-C	Phase 2 Subsurface	20	95	N/A	None	N/A	N/A
EK083SC-C	Phase 2 Subsurface	95	110	110	Sheen	Sheen	NB
EK083SC-C	Phase 2 Subsurface	110	290	N/A	None	N/A	N/A
EK083SC-C	Phase 2 Subsurface	290	300	300	Sheen	Blebs	3
EK083SC-C	Phase 2 Subsurface	300	542	N/A	None	N/A	N/A
EK084SC-C	Phase 2 Subsurface	0	50	N/A	None	N/A	N/A
EK084SC-C	Phase 2 Subsurface	50	95	60	Sheen	Sheen	NB
EK084SC-C	Phase 2 Subsurface	95	426	N/A	None	N/A	N/A
EK084SC-C	Phase 2 Subsurface	426	554	N/A	None	N/A	N/A
EK085SC-D	Phase 2 Subsurface	0	80	30	Sheen	Sheen	NB
EK085SC-D	Phase 2 Subsurface	80	110	100	Blebs	Blebs	2
EK085SC-D	Phase 2 Subsurface	110	120	N/A	None	N/A	N/A
EK085SC-D	Phase 2 Subsurface	120	200	182	None	Negative	NB
EK085SC-D	Phase 2 Subsurface	200	300	200	None	Negative	NB
EK085SC-D	Phase 2 Subsurface	300	377	300	None	Negative	NB
EK089SC-A	Phase 2 Subsurface	0	80	N/A	None	N/A	N/A
EK089SC-A	Phase 2 Subsurface	80	185	80	Sheen	Sheen	NB
EK089SC-A	Phase 2 Subsurface	185	192	185	Sheen	Sheen	NB
EK089SC-A	Phase 2 Subsurface	192	195	193	Sheen	Sheen	NB
EK089SC-A	Phase 2 Subsurface	195	200	200	Sheen	Sheen	NB
EK089SC-A	Phase 2 Subsurface	200	212	N/A	Sheen	N/A	N/A
EK089SC-A	Phase 2 Subsurface	212	214	214	Sheen	Sheen	NB
EK089SC-A	Phase 2 Subsurface	214	560	240	None	Negative	NB
EK090SC-A	Phase 2 Groundwater	0	189	N/A	None	N/A	N/A
EK090SC-A	Phase 2 Groundwater	244	275	270	Sheen	Sheen	NB
EK090SC-A	Phase 2 Groundwater	275	314	300	None	Negative	NB
EK090SC-A	Phase 2 Groundwater	314	549	320	None	Negative	NB
EK091SC-A	Phase 2 Groundwater	0	130	N/A	Sheen	N/A	N/A
EK091SC-A	Phase 2 Groundwater	152	174	160	Sheen	Sheen	NB
EK091SC-A	Phase 2 Groundwater	244	250	N/A	Sheen	N/A	N/A
EK091SC-A	Phase 2 Groundwater	250	311	270	None	Negative	NB
EK091SC-A	Phase 2 Groundwater	396	457	N/A	None	N/A	N/A
EK091SC-A	Phase 2 Groundwater	457	500	N/A	None	N/A	N/A
EK091SC-A	Phase 2 Groundwater	549	604	N/A	None	N/A	N/A
EK092SC-A	Phase 2 Groundwater	0	31	N/A	None	N/A	N/A
EK092SC-A	Phase 2 Groundwater	31	58	58	None	Negative	NB
EK092SC-A	Phase 2 Groundwater	88	137	N/A	None	N/A	N/A
EK092SC-A	Phase 2 Groundwater	244	289	285	None	Negative	NB
EK092SC-A	Phase 2 Groundwater	289	338	N/A	None	N/A	N/A
EK093SC-A	Phase 2 Groundwater	0	90	N/A	None	N/A	N/A
EK093SC-A	Phase 2 Groundwater	90	91	N/A	Saturated	N/A	N/A
EK093SC-A	Phase 2 Groundwater	91	120	N/A	None	N/A	N/A
EK093SC-A	Phase 2 Groundwater	120	122	120	Blebs	Blebs	3
EK093SC-A	Phase 2 Groundwater	137	167	N/A	Blebs	N/A	N/A
EK093SC-A	Phase 2 Groundwater	167	189	189	None	Sheen	NB
EK094SC-A	Phase 2 Groundwater	0	168	N/A	None	N/A	N/A
EK094SC-A	Phase 2 Groundwater	183	200	N/A	None	N/A	N/A
EK094SC-A	Phase 2 Groundwater	200	215	N/A	None	N/A	N/A
EK094SC-A	Phase 2 Groundwater	215	230	223	Saturated	Layer	NB
EK094SC-A	Phase 2 Groundwater	230	265	N/A	Blebs	N/A	N/A
EK094SC-A	Phase 2 Groundwater	335	434	N/A	Sheen	N/A	N/A
EK094SC-A	Phase 2 Groundwater	434	701	N/A	None	N/A	N/A
EK096SC-A	Phase 2 Groundwater	0	101	N/A	None	N/A	N/A
EK096SC-A	Phase 2 Groundwater	152	165	152	None	Sheen	NB
EK096SC-A	Phase 2 Groundwater	366	380	N/A	None	N/A	N/A
EK096SC-A	Phase 2 Groundwater	380	475	N/A	None	N/A	N/A

**Table C3-5
Detailed Visual and Shake Test Observations by Depth for
Cores Processed Using Phase 2 Methods**

Core ID	Core Type	Start Depth (cm below mudline)	End Depth (cm below mudline)	Shake Test Depth (cm below mudline)	Visual Observation	Shake Test Result	Shake Test Bleb Rank Estimate
EK096SC-A	Phase 2 Groundwater	518	574	N/A	None	N/A	N/A
EK096SC-A	Phase 2 Groundwater	574	625	N/A	None	N/A	N/A
EK096SC-A	Phase 2 Groundwater	625	655	N/A	None	N/A	N/A
EK097SC-A	Phase 2 Groundwater	0	34	N/A	None	N/A	N/A
EK097SC-A	Phase 2 Groundwater	61	82	61	None	Sheen	NB
EK097SC-A	Phase 2 Groundwater	213	226	N/A	None	N/A	N/A
EK097SC-A	Phase 2 Groundwater	226	253	N/A	None	N/A	N/A
EK097SC-A	Phase 2 Groundwater	253	283	N/A	None	N/A	N/A
EK097SC-A	Phase 2 Groundwater	366	448	N/A	None	N/A	N/A
EK098SC-D	Phase 2 Groundwater	0	122	N/A	None	N/A	N/A
EK098SC-D	Phase 2 Groundwater	122	158	N/A	None	N/A	N/A
EK098SC-D	Phase 2 Groundwater	335	354	N/A	None	N/A	N/A
EK098SC-D	Phase 2 Groundwater	354	390	N/A	None	N/A	N/A
EK098SC-D	Phase 2 Groundwater	390	436	N/A	None	N/A	N/A
EK098SC-D	Phase 2 Groundwater	488	552	N/A	None	N/A	N/A
EK098SC-D	Phase 2 Groundwater	552	604	N/A	None	N/A	N/A
EK099SC-A	Phase 2 Groundwater	0	131	N/A	None	N/A	N/A
EK099SC-A	Phase 2 Groundwater	244	270	254	Sheen	Sheen	NB
EK099SC-A	Phase 2 Groundwater	270	274	N/A	None	N/A	N/A
EK099SC-A	Phase 2 Groundwater	396	500	N/A	None	N/A	N/A
EK099SC-A	Phase 2 Groundwater	549	634	N/A	None	N/A	N/A
EK100SC-A	Phase 2 Subsurface	0	98	30	Blebs	Blebs	2
EK100SC-A	Phase 2 Subsurface	98	100	100	Blebs	Blebs	2
EK100SC-A	Phase 2 Subsurface	100	134	110	None	Negative	NB
EK100SC-A	Phase 2 Subsurface	134	136	N/A	Coated	N/A	N/A
EK100SC-A	Phase 2 Subsurface	136	141	N/A	None	N/A	N/A
EK100SC-A	Phase 2 Subsurface	141	148	144	Saturated	Layer	NB
EK100SC-A	Phase 2 Subsurface	148	200	200	None	Negative	NB
EK100SC-A	Phase 2 Subsurface	200	350	300	None	Negative	NB
EK100SC-A	Phase 2 Subsurface	350	356	352	Saturated	Layer	NB
EK100SC-A	Phase 2 Subsurface	356	390	N/A	None	N/A	N/A
EK100SC-A	Phase 2 Subsurface	390	420	400	Sheen	Sheen	NB
EK100SC-A	Phase 2 Subsurface	420	428	424	Saturated	Layer	NB
EK100SC-A	Phase 2 Subsurface	428	430	N/A	Sheen	N/A	N/A
EK100SC-A	Phase 2 Subsurface	430	432	N/A	Saturated	N/A	N/A
EK100SC-A	Phase 2 Subsurface	432	450	N/A	Sheen	N/A	N/A
EK100SC-A	Phase 2 Subsurface	450	451	N/A	Saturated	N/A	N/A
EK100SC-A	Phase 2 Subsurface	451	468	455	None	Negative	NB
EK100SC-A	Phase 2 Subsurface	468	469	N/A	Saturated	N/A	N/A
EK100SC-A	Phase 2 Subsurface	469	502	N/A	None	N/A	N/A
EK100SC-A	Phase 2 Subsurface	502	512	510	Saturated	Layer	NB
EK100SC-A	Phase 2 Subsurface	512	526	520	None	Negative	NB
EK101SC-A	Phase 2 Subsurface	0	85	40	Sheen	Sheen	NB
EK101SC-A	Phase 2 Subsurface	85	103	95	None	Negative	NB
EK101SC-A	Phase 2 Subsurface	103	263	180	None	Negative	NB
EK101SC-A	Phase 2 Subsurface	263	280	272	Saturated	Layer	NB
EK101SC-A	Phase 2 Subsurface	280	343	312	None	Negative	NB
EK102SC-C	Phase 2 Subsurface	0	33	30	Sheen	Sheen	NB
EK102SC-C	Phase 2 Subsurface	33	280	160	None	Sheen	NB
EK102SC-C	Phase 2 Subsurface	280	330	280	None	Sheen	NB
EK102SC-C	Phase 2 Subsurface	330	440	345	None	Negative	NB
EK102SC-C	Phase 2 Subsurface	440	563	440	None	Negative	NB
EK102SC-D	Phase 2 Subsurface	0	200	50	None	Negative	NB
EK102SC-D	Phase 2 Subsurface	200	284	250	Sheen	Sheen	NB
EK102SC-D	Phase 2 Subsurface	284	465	N/A	None	N/A	N/A
EK103SC-A	Phase 2 Subsurface	0	35	20	Sheen	Sheen	NB
EK103SC-A	Phase 2 Subsurface	35	44	N/A	None	N/A	N/A
EK103SC-A	Phase 2 Subsurface	44	100	60	Sheen	Sheen	NB
EK103SC-A	Phase 2 Subsurface	100	116	100	Sheen	Sheen	NB
EK103SC-A	Phase 2 Subsurface	116	120	N/A	None	N/A	N/A
EK103SC-A	Phase 2 Subsurface	120	121	N/A	Coated	N/A	N/A
EK103SC-A	Phase 2 Subsurface	121	128	N/A	None	N/A	N/A
EK103SC-A	Phase 2 Subsurface	128	130	128	Coated	Layer	NB
EK103SC-A	Phase 2 Subsurface	130	133	N/A	None	N/A	N/A
EK103SC-A	Phase 2 Subsurface	133	134	N/A	Coated	N/A	N/A
EK103SC-A	Phase 2 Subsurface	134	139	N/A	None	N/A	N/A
EK103SC-A	Phase 2 Subsurface	139	140	N/A	Coated	N/A	N/A
EK103SC-A	Phase 2 Subsurface	140	154	148	None	Negative	NB
EK103SC-A	Phase 2 Subsurface	154	155	N/A	Coated	N/A	N/A
EK103SC-A	Phase 2 Subsurface	155	166	N/A	None	N/A	N/A
EK103SC-A	Phase 2 Subsurface	166	168	N/A	Saturated	N/A	N/A
EK103SC-A	Phase 2 Subsurface	168	175	N/A	None	N/A	N/A
EK103SC-A	Phase 2 Subsurface	175	182	180	Saturated	Layer	NB

**Table C3-5
Detailed Visual and Shake Test Observations by Depth for
Cores Processed Using Phase 2 Methods**

Core ID	Core Type	Start Depth (cm below mudline)	End Depth (cm below mudline)	Shake Test Depth (cm below mudline)	Visual Observation	Shake Test Result	Shake Test Bleb Rank Estimate
EK103SC-A	Phase 2 Subsurface	182	187	N/A	None	N/A	N/A
EK103SC-A	Phase 2 Subsurface	187	189	N/A	Saturated	N/A	N/A
EK103SC-A	Phase 2 Subsurface	189	193	N/A	None	N/A	N/A
EK103SC-A	Phase 2 Subsurface	193	193	N/A	Coated	N/A	N/A
EK103SC-A	Phase 2 Subsurface	193	195	N/A	None	N/A	N/A
EK103SC-A	Phase 2 Subsurface	195	195	N/A	Coated	N/A	N/A
EK103SC-A	Phase 2 Subsurface	195	200	N/A	None	N/A	N/A
EK103SC-A	Phase 2 Subsurface	200	201	200	Saturated	Layer	NB
EK103SC-A	Phase 2 Subsurface	201	204	N/A	None	N/A	N/A
EK103SC-A	Phase 2 Subsurface	204	204	N/A	Coated	N/A	N/A
EK103SC-A	Phase 2 Subsurface	204	210	208	None	Negative	NB
EK104SC-A	Phase 2 Subsurface	0	50	30	None	Negative	NB
EK104SC-A	Phase 2 Subsurface	50	100	80	Sheen	Sheen	NB
EK104SC-A	Phase 2 Subsurface	100	130	110	Blebs	Blebs	3
EK104SC-A	Phase 2 Subsurface	130	132	131	Saturated	Layer	NB
EK104SC-A	Phase 2 Subsurface	132	133	N/A	Blebs	N/A	N/A
EK104SC-A	Phase 2 Subsurface	133	148	142	None	Negative	NB
EK104SC-A	Phase 2 Subsurface	148	151	150	Saturated	Layer	NB
EK104SC-A	Phase 2 Subsurface	151	156	N/A	None	N/A	N/A
EK104SC-A	Phase 2 Subsurface	156	156	N/A	Saturated	N/A	N/A
EK104SC-A	Phase 2 Subsurface	156	225	200	None	Negative	NB
EK104SC-A	Phase 2 Subsurface	225	256	225	None	Negative	NB
EK104SC-A	Phase 2 Subsurface	256	278	256	None	Negative	NB
EK108SC-J	FS Part 1 NAPL Distribution Refinement	0	56	44	Sheen	Sheen	NB
EK108SC-J	FS Part 1 NAPL Distribution Refinement			64	None	Sheen	NB
EK108SC-J	FS Part 1 NAPL Distribution Refinement	56	195	87	None	Negative	NB
EK108SC-J	FS Part 1 NAPL Distribution Refinement			190	None	Negative	NB
EK108SC-K	FS Part 1 NAPL Distribution Refinement	0	100	12	Sheen	Sheen	NB
EK108SC-K	FS Part 1 NAPL Distribution Refinement	100	564	120	None	Negative	NB
EK108SC-K	FS Part 1 NAPL Distribution Refinement			520	None	Negative	NB
EK114SC-I	FS Part 1 NAPL Distribution Refinement			306	Sheen	Blebs	2
EK114SC-I	FS Part 1 NAPL Distribution Refinement	305	414	395	Sheen	Blebs	2
EK114SC-I	FS Part 1 NAPL Distribution Refinement	414	415	414	Blebs	Blebs	2
EK114SC-I	FS Part 1 NAPL Distribution Refinement	415	467	423	None	Negative	NB
EK114SC-J	FS Part 1 NAPL Distribution Refinement			15	Sheen	Sheen	NB
EK114SC-J	FS Part 1 NAPL Distribution Refinement	0	399	210	Sheen	Sheen	NB
EK114SC-J	FS Part 1 NAPL Distribution Refinement	399	421	404	None	Negative	NB
EK114SC-K	FS Part 1 NAPL Distribution Refinement	457	588	555	Sheen	Blebs	2
EK114SC-K	FS Part 1 NAPL Distribution Refinement	588	610	N/A	No Recovery	N/A	N/A
EK114SC-K	FS Part 1 NAPL Distribution Refinement	610	629	N/A	None	N/A	N/A
EK114SC-K	FS Part 1 NAPL Distribution Refinement	629	634	632	Blebs	Blebs	3
EK114SC-K	FS Part 1 NAPL Distribution Refinement	634	658	N/A	None	N/A	N/A
EK114SC-K	FS Part 1 NAPL Distribution Refinement	658	701	660	Sheen	Blebs	1
EK114SC-K	FS Part 1 NAPL Distribution Refinement	701	707	702	None	Negative	NB
EK114SC-K	FS Part 1 NAPL Distribution Refinement	707	720	N/A	Sheen	N/A	N/A
EK114SC-K	FS Part 1 NAPL Distribution Refinement	720	741	725	Blebs	Blebs	4
EK114SC-K	FS Part 1 NAPL Distribution Refinement	741	762	N/A	No Recovery	N/A	N/A
EK114SC-K	FS Part 1 NAPL Distribution Refinement	762	790	N/A	None	N/A	N/A
EK114SC-K	FS Part 1 NAPL Distribution Refinement	790	836	815	Sheen	Blebs	1
EK114SC-K	FS Part 1 NAPL Distribution Refinement	836	845	842	Blebs	Blebs	1
EK114SC-K	FS Part 1 NAPL Distribution Refinement	845	855	N/A	Sheen	N/A	N/A
EK114SC-K	FS Part 1 NAPL Distribution Refinement	855	893	877	None	Sheen	NB
EK114SC-L	FS Part 1 NAPL Distribution Refinement	0	128	N/A	Sheen	N/A	N/A
EK114SC-L	FS Part 1 NAPL Distribution Refinement	128	167	N/A	None	N/A	N/A
EK114SC-L	FS Part 1 NAPL Distribution Refinement	167	170	N/A	No Recovery	N/A	N/A
EK114SC-L	FS Part 1 NAPL Distribution Refinement			188	None	Sheen	NB
EK114SC-L	FS Part 1 NAPL Distribution Refinement	170	437	390	None	Sheen	NB
EK114SC-L	FS Part 1 NAPL Distribution Refinement			430	None	Negative	NB
EK114SC-L	FS Part 1 NAPL Distribution Refinement	437	439	N/A	Sheen	N/A	N/A
EK114SC-L	FS Part 1 NAPL Distribution Refinement	439	441	440	Blebs	Blebs	5
EK114SC-L	FS Part 1 NAPL Distribution Refinement	441	445	N/A	Sheen	N/A	N/A
EK114SC-L	FS Part 1 NAPL Distribution Refinement			450	None	Negative	NB
EK114SC-L	FS Part 1 NAPL Distribution Refinement	445	607	572	None	Negative	NB
EK114SC-M	FS Part 1 NAPL Distribution Refinement	0	130	N/A	Sheen	N/A	N/A
EK114SC-M	FS Part 1 NAPL Distribution Refinement	130	252	N/A	None	N/A	N/A
EK114SC-M	FS Part 1 NAPL Distribution Refinement	252	286	256	Sheen	Sheen	NB
EK114SC-M	FS Part 1 NAPL Distribution Refinement			412	None	Sheen	NB
EK114SC-M	FS Part 1 NAPL Distribution Refinement	286	584	510	None	Negative	NB
EK114SC-M	FS Part 1 NAPL Distribution Refinement			573	None	Negative	NB
EK114SC-M	FS Part 1 NAPL Distribution Refinement	584	585	N/A	Sheen	N/A	N/A
EK114SC-M	FS Part 1 NAPL Distribution Refinement	585	586	586 ¹	Blebs	Blebs	4

**Table C3-5
Detailed Visual and Shake Test Observations by Depth for
Cores Processed Using Phase 2 Methods**

Core ID	Core Type	Start Depth (cm below mudline)	End Depth (cm below mudline)	Shake Test Depth (cm below mudline)	Visual Observation	Shake Test Result	Shake Test Bleb Rank Estimate
EK114SC-M	FS Part 1 NAPL Distribution Refinement	586	587	N/A	Sheen	N/A	N/A
EK114SC-M	FS Part 1 NAPL Distribution Refinement	587	588	N/A	None	N/A	N/A
EK114SC-N	FS Part 1 NAPL Distribution Refinement	0	128	N/A	Sheen	N/A	N/A
EK114SC-N	FS Part 1 NAPL Distribution Refinement	128	190	N/A	None	N/A	N/A
EK114SC-N	FS Part 1 NAPL Distribution Refinement	190	270	210	Sheen	Sheen	NB
EK114SC-N	FS Part 1 NAPL Distribution Refinement	270	573	463	None	Negative	NB
EK114SC-N	FS Part 1 NAPL Distribution Refinement			568	None	Negative	NB
EK116SC-H	FS Part 1 NAPL Distribution Refinement	0	732	12	None	Negative	NB
EK116SC-H	FS Part 1 NAPL Distribution Refinement			153	None	Sheen	NB
EK116SC-H	FS Part 1 NAPL Distribution Refinement			213 ¹	None	Negative	NB
EK116SC-H	FS Part 1 NAPL Distribution Refinement			312	None	Negative	NB
EK116SC-H	FS Part 1 NAPL Distribution Refinement			599	None	Negative	NB
EK116SC-H	FS Part 1 NAPL Distribution Refinement			724	None	Negative	NB
EK116SC-I	FS Part 1 NAPL Distribution Refinement	0	100	29	Sheen	Sheen	NB
EK116SC-I	FS Part 1 NAPL Distribution Refinement			93	Sheen	Sheen	NB
EK116SC-I	FS Part 1 NAPL Distribution Refinement	100	704	130	None	Negative	NB
EK116SC-I	FS Part 1 NAPL Distribution Refinement			534 ¹	None	Negative	NB
EK116SC-I	FS Part 1 NAPL Distribution Refinement			694	None	Negative	NB
EK118SC-H	FS Part 1 NAPL Distribution Refinement	213	252	N/A	Sheen	N/A	N/A
EK118SC-H	FS Part 1 NAPL Distribution Refinement	252	262	N/A	None	N/A	N/A
EK118SC-H	FS Part 1 NAPL Distribution Refinement	262	286	286	Sheen	Blebs	2
EK118SC-H	FS Part 1 NAPL Distribution Refinement	286	309	N/A	Sheen	N/A	N/A
EK118SC-H	FS Part 1 NAPL Distribution Refinement	309	353	316 ¹	None	Negative	NB
EK118SC-I	FS Part 1 NAPL Distribution Refinement	335	356	N/A	None	N/A	N/A
EK118SC-I	FS Part 1 NAPL Distribution Refinement	356	400	387	Blebs	Blebs	2
EK118SC-I	FS Part 1 NAPL Distribution Refinement	400	423	N/A	None	N/A	N/A
EK118SC-I	FS Part 1 NAPL Distribution Refinement	423	488	N/A	No Recovery	N/A	N/A
EK118SC-I	FS Part 1 NAPL Distribution Refinement	488	587	N/A	None	N/A	N/A
EK118SC-I	FS Part 1 NAPL Distribution Refinement	587	598	592	Coated	Layer	NB
EK118SC-I	FS Part 1 NAPL Distribution Refinement	598	617	N/A	None	N/A	N/A
EK118SC-I	FS Part 1 NAPL Distribution Refinement	617	640	N/A	No Recovery	N/A	N/A
EK118SC-I	FS Part 1 NAPL Distribution Refinement	640	690	N/A	None	N/A	N/A
EK118SC-I	FS Part 1 NAPL Distribution Refinement	690	700	696	Blebs	Blebs	3
EK118SC-I	FS Part 1 NAPL Distribution Refinement	700	734	N/A	None	N/A	N/A
EK118SC-I	FS Part 1 NAPL Distribution Refinement	734	792	N/A	No Recovery	N/A	N/A
EK118SC-I	FS Part 1 NAPL Distribution Refinement	792	840	824	Sheen	Sheen	NB
EK118SC-I	FS Part 1 NAPL Distribution Refinement	840	886	N/A	None	N/A	N/A
EK118SC-J	FS Part 1 NAPL Distribution Refinement	0	243	30	Sheen	Sheen	NB
EK118SC-J	FS Part 1 NAPL Distribution Refinement			220	Sheen	Blebs	2
EK118SC-J	FS Part 1 NAPL Distribution Refinement	243	247	245	Blebs	Blebs	2
EK118SC-J	FS Part 1 NAPL Distribution Refinement	247	266	N/A	Sheen	N/A	N/A
EK118SC-J	FS Part 1 NAPL Distribution Refinement	266	320	308	None	Negative	NB
EK118SC-J	FS Part 1 NAPL Distribution Refinement	320	321	320 ¹	Coated	Layer	NB
EK118SC-J	FS Part 1 NAPL Distribution Refinement	321	716	335	None	Sheen	NB
EK118SC-J	FS Part 1 NAPL Distribution Refinement			675	None	Negative	NB
EK119SC-H	FS Part 1 NAPL Distribution Refinement	305	364	313	Sheen	Sheen	NB
EK119SC-H	FS Part 1 NAPL Distribution Refinement	364	473	420	None	Negative	NB
EK119SC-I	FS Part 1 NAPL Distribution Refinement	152	161	N/A	Sheen	N/A	N/A
EK119SC-I	FS Part 1 NAPL Distribution Refinement	161	197	167	Blebs	Blebs	1
EK119SC-I	FS Part 1 NAPL Distribution Refinement	197	240	N/A	Sheen	N/A	N/A
EK119SC-I	FS Part 1 NAPL Distribution Refinement	240	310	N/A	None	N/A	N/A
EK119SC-I	FS Part 1 NAPL Distribution Refinement	310	427	N/A	N/A	N/A	N/A
EK119SC-I	FS Part 1 NAPL Distribution Refinement	427	731	510	None	Negative	NB
EK119SC-I	FS Part 1 NAPL Distribution Refinement			670	None	Negative	NB
EK119SC-J	FS Part 1 NAPL Distribution Refinement	0	149	35	None	Negative	NB
EK119SC-J	FS Part 1 NAPL Distribution Refinement			76	None	Negative	NB
EK119SC-J	FS Part 1 NAPL Distribution Refinement			143	None	Negative	NB
EK119SC-J	FS Part 1 NAPL Distribution Refinement	149	171	N/A	Sheen	N/A	N/A
EK119SC-J	FS Part 1 NAPL Distribution Refinement	171	220	N/A	None	N/A	N/A
EK119SC-J	FS Part 1 NAPL Distribution Refinement	220	241	235	Sheen	Blebs	2
EK121SC-H	FS Part 1 NAPL Distribution Refinement	153	176	N/A	Sheen	N/A	N/A
EK121SC-H	FS Part 1 NAPL Distribution Refinement	176	240	180	Sheen	Blebs	2
EK121SC-H	FS Part 1 NAPL Distribution Refinement			209	Sheen	Sheen	NB
EK121SC-H	FS Part 1 NAPL Distribution Refinement	240	299	N/A	Sheen	N/A	N/A
EK121SC-H	FS Part 1 NAPL Distribution Refinement	299	305	N/A	No Recovery	N/A	N/A
EK121SC-H	FS Part 1 NAPL Distribution Refinement	305	335	324	Sheen	Sheen	NB
EK121SC-H	FS Part 1 NAPL Distribution Refinement	335	436	352 ¹	None	Negative	NB

**Table C3-5
Detailed Visual and Shake Test Observations by Depth for
Cores Processed Using Phase 2 Methods**

Core ID	Core Type	Start Depth (cm below mudline)	End Depth (cm below mudline)	Shake Test Depth (cm below mudline)	Visual Observation	Shake Test Result	Shake Test Bleb Rank Estimate
EK121SC-H	FS Part 1 NAPL Distribution Refinement	436	457	N/A	No Recovery	N/A	N/A
EK121SC-H	FS Part 1 NAPL Distribution Refinement	457	760	540	None	Negative	NB
EK121SC-H	FS Part 1 NAPL Distribution Refinement			660	None	Negative	NB
EK121SC-I	FS Part 1 NAPL Distribution Refinement	0	10	N/A	None	N/A	N/A
EK121SC-I	FS Part 1 NAPL Distribution Refinement	10	18	15	Sheen	Sheen	NB
EK121SC-I	FS Part 1 NAPL Distribution Refinement	18	210	20	None	Negative	NB
EK121SC-I	FS Part 1 NAPL Distribution Refinement			200 ¹	None	Sheen	NB
EK122SC-H	FS Part 1 NAPL Distribution Refinement	305	382	327 ¹	Sheen	Sheen	NB
EK122SC-H	FS Part 1 NAPL Distribution Refinement			380	Sheen	Sheen	NB
EK122SC-H	FS Part 1 NAPL Distribution Refinement	382	445	N/A	None	N/A	N/A
EK122SC-H	FS Part 1 NAPL Distribution Refinement	445	457	N/A	No Recovery	N/A	N/A
EK122SC-H	FS Part 1 NAPL Distribution Refinement	457	610	N/A	N/A	N/A	N/A
EK122SC-H	FS Part 1 NAPL Distribution Refinement	610	729	680	None	Negative	NB
EK122SC-H	FS Part 1 NAPL Distribution Refinement	729	762	N/A	No Recovery	N/A	N/A
EK122SC-H	FS Part 1 NAPL Distribution Refinement	762	945	820	None	Negative	NB
EK122SC-I	FS Part 1 NAPL Distribution Refinement	0	20	N/A	None	N/A	N/A
EK122SC-I	FS Part 1 NAPL Distribution Refinement	20	399	37	Sheen	Sheen	NB
EK122SC-I	FS Part 1 NAPL Distribution Refinement			394	Sheen	Blebs	2
EK122SC-I	FS Part 1 NAPL Distribution Refinement	399	899	697	None	Negative	NB
EK122SC-I	FS Part 1 NAPL Distribution Refinement			725	None	Negative	NB
EK122SC-I	FS Part 1 NAPL Distribution Refinement			895	None	Negative	NB
EK123SC-H	FS Part 1 NAPL Distribution Refinement	457	768	550	None	Negative	NB
EK123SC-H	FS Part 1 NAPL Distribution Refinement			666	None	Negative	NB
EK123SC-I	FS Part 1 NAPL Distribution Refinement	0	76	60	Sheen	Sheen	NB
EK123SC-I	FS Part 1 NAPL Distribution Refinement	76	90	80	Blebs	Blebs	2
EK123SC-I	FS Part 1 NAPL Distribution Refinement			86	Blebs	Blebs	2
EK123SC-I	FS Part 1 NAPL Distribution Refinement	90	610	145	None	Negative	NB
EK123SC-I	FS Part 1 NAPL Distribution Refinement			177	None	Negative	NB
EK123SC-I	FS Part 1 NAPL Distribution Refinement			338	None	Negative	NB
EK123SC-I	FS Part 1 NAPL Distribution Refinement			600	None	Negative	NB
EK125SC-H	FS Part 1 NAPL Distribution Refinement	305	355	312 ¹	Blebs	Blebs	2
EK125SC-H	FS Part 1 NAPL Distribution Refinement	355	458	420	None	Negative	NB
EK125SC-H	FS Part 1 NAPL Distribution Refinement	458	490	470	Sheen	Sheen	NB
EK125SC-H	FS Part 1 NAPL Distribution Refinement	490	513	N/A	None	N/A	N/A
EK125SC-H	FS Part 1 NAPL Distribution Refinement	513	529	520	Sheen	Sheen	NB
EK125SC-H	FS Part 1 NAPL Distribution Refinement	529	594	N/A	None	N/A	N/A
EK125SC-H	FS Part 1 NAPL Distribution Refinement	594	610	N/A	No Recovery	N/A	N/A
EK125SC-H	FS Part 1 NAPL Distribution Refinement	610	635	N/A	None	N/A	N/A
EK125SC-H	FS Part 1 NAPL Distribution Refinement	635	641	640	Sheen	Sheen	NB
EK125SC-H	FS Part 1 NAPL Distribution Refinement	641	878	735	None	Negative	NB
EK125SC-H	FS Part 1 NAPL Distribution Refinement			860	None	Negative	NB
EK125SC-I	FS Part 1 NAPL Distribution Refinement	0	112	60	None	Sheen	NB
EK125SC-I	FS Part 1 NAPL Distribution Refinement	112	120	N/A	Coated	N/A	N/A
EK125SC-I	FS Part 1 NAPL Distribution Refinement	120	140	130	None	Negative	NB
EK125SC-I	FS Part 1 NAPL Distribution Refinement	140	144	N/A ²	Saturated	N/A	N/A
EK125SC-I	FS Part 1 NAPL Distribution Refinement	144	148	N/A	None	N/A	N/A
EK125SC-I	FS Part 1 NAPL Distribution Refinement	148	157	153 ²	Saturated	Layer	NB
EK125SC-I	FS Part 1 NAPL Distribution Refinement	157	160	N/A	None	N/A	N/A
EK125SC-I	FS Part 1 NAPL Distribution Refinement	160	163	N/A	Saturated	N/A	N/A
EK125SC-I	FS Part 1 NAPL Distribution Refinement	163	168	N/A	None	N/A	N/A
EK125SC-I	FS Part 1 NAPL Distribution Refinement	168	178	N/A ²	Saturated	N/A	N/A
EK125SC-I	FS Part 1 NAPL Distribution Refinement	178	182	N/A ²	None	N/A	N/A
EK125SC-I	FS Part 1 NAPL Distribution Refinement	182	190	185 ²	Saturated	Layer	NB
EK125SC-I	FS Part 1 NAPL Distribution Refinement	190	196	N/A	None	N/A	N/A
EK125SC-I	FS Part 1 NAPL Distribution Refinement	196	197	N/A	Coated	N/A	N/A
EK125SC-I	FS Part 1 NAPL Distribution Refinement	197	215	210	None	Negative	NB
EK125SC-I	FS Part 1 NAPL Distribution Refinement	215	217	N/A	Sheen	N/A	N/A
EK125SC-I	FS Part 1 NAPL Distribution Refinement	217	223	N/A	Coated	N/A	N/A
EK125SC-I	FS Part 1 NAPL Distribution Refinement	223	224	N/A	Sheen	N/A	N/A
EK125SC-I	FS Part 1 NAPL Distribution Refinement	224	230	N/A	None	N/A	N/A
EK125SC-I	FS Part 1 NAPL Distribution Refinement	230	240	N/A ²	Saturated	N/A	N/A
EK125SC-I	FS Part 1 NAPL Distribution Refinement	240	257	250	None	Negative	NB
EK125SC-I	FS Part 1 NAPL Distribution Refinement	257	259	N/A	Blebs	N/A	N/A
EK125SC-I	FS Part 1 NAPL Distribution Refinement	259	396	385	None	Negative	NB
EK126SC-H	FS Part 1 NAPL Distribution Refinement	305	317	N/A	None	N/A	N/A
EK126SC-H	FS Part 1 NAPL Distribution Refinement	317	325	322	Sheen	Sheen	NB
EK126SC-H	FS Part 1 NAPL Distribution Refinement	325	355	N/A	None	N/A	N/A
EK126SC-H	FS Part 1 NAPL Distribution Refinement	355	356	N/A	Sheen	N/A	N/A
EK126SC-H	FS Part 1 NAPL Distribution Refinement	356	411	N/A	None	N/A	N/A
EK126SC-H	FS Part 1 NAPL Distribution Refinement	411	412	N/A	Blebs	N/A	N/A

**Table C3-5
Detailed Visual and Shake Test Observations by Depth for
Cores Processed Using Phase 2 Methods**

Core ID	Core Type	Start Depth (cm below mudline)	End Depth (cm below mudline)	Shake Test Depth (cm below mudline)	Visual Observation	Shake Test Result	Shake Test Bleb Rank Estimate
EK126SC-H	FS Part 1 NAPL Distribution Refinement	412	419	N/A	None	N/A	N/A
EK126SC-H	FS Part 1 NAPL Distribution Refinement	419	420	420	Saturated	Blebs	4
EK126SC-H	FS Part 1 NAPL Distribution Refinement	420	437	424	Sheen	Blebs	1
EK126SC-H	FS Part 1 NAPL Distribution Refinement	437	442	N/A	None	N/A	N/A
EK126SC-H	FS Part 1 NAPL Distribution Refinement	442	457	N/A	No Recovery	N/A	N/A
EK126SC-H	FS Part 1 NAPL Distribution Refinement	457	465	N/A ²	Saturated	N/A	N/A
EK126SC-H	FS Part 1 NAPL Distribution Refinement	465	469	N/A ²	Sheen	N/A	N/A
EK126SC-H	FS Part 1 NAPL Distribution Refinement	469	486	473 ²	Saturated	Layer	NB
EK126SC-H	FS Part 1 NAPL Distribution Refinement	486	508	N/A ²	Saturated	N/A	N/A
EK126SC-H	FS Part 1 NAPL Distribution Refinement	508	534	512	Blebs	Blebs	2
EK126SC-H	FS Part 1 NAPL Distribution Refinement	534	570	N/A ²	Saturated	N/A	N/A
EK126SC-H	FS Part 1 NAPL Distribution Refinement	570	579	N/A	None	N/A	N/A
EK126SC-I	FS Part 1 NAPL Distribution Refinement	610	914	703	None	Negative	NB
EK126SC-I	FS Part 1 NAPL Distribution Refinement			830	None	Negative	NB
EK126SC-J	FS Part 1 NAPL Distribution Refinement	0	31	N/A	None	N/A	N/A
EK126SC-J	FS Part 1 NAPL Distribution Refinement	31	62	48	Sheen	Sheen	NB
EK126SC-J	FS Part 1 NAPL Distribution Refinement	62	180	N/A	None	N/A	N/A
EK126SC-J	FS Part 1 NAPL Distribution Refinement	180	249	230	Sheen	Sheen	NB
EK126SC-J	FS Part 1 NAPL Distribution Refinement	249	266	N/A ²	Saturated	N/A	N/A
EK126SC-J	FS Part 1 NAPL Distribution Refinement	266	270	N/A	Sheen	N/A	N/A
EK126SC-J	FS Part 1 NAPL Distribution Refinement	270	281	N/A	Coated	N/A	N/A
EK126SC-J	FS Part 1 NAPL Distribution Refinement	281	288	N/A	Sheen	N/A	N/A
EK126SC-J	FS Part 1 NAPL Distribution Refinement	288	301	N/A	None	N/A	N/A
EK126SC-J	FS Part 1 NAPL Distribution Refinement	301	307	305	Sheen	Sheen	NB
EK126SC-J	FS Part 1 NAPL Distribution Refinement	307	320	N/A	None	N/A	N/A
EK126SC-J	FS Part 1 NAPL Distribution Refinement	320	325	324	Coated	Layer	NB
EK126SC-J	FS Part 1 NAPL Distribution Refinement	325	327	N/A	Sheen	N/A	N/A
EK126SC-J	FS Part 1 NAPL Distribution Refinement	327	337	N/A	None	N/A	N/A
EK126SC-J	FS Part 1 NAPL Distribution Refinement	337	339	N/A	Coated	N/A	N/A
EK126SC-J	FS Part 1 NAPL Distribution Refinement	339	341	N/A	Sheen	N/A	N/A
EK126SC-J	FS Part 1 NAPL Distribution Refinement	341	384	N/A ²	Saturated	N/A	N/A
EK126SC-J	FS Part 1 NAPL Distribution Refinement	384	387	N/A	Sheen	N/A	N/A
EK126SC-J	FS Part 1 NAPL Distribution Refinement	387	398	394 ²	Saturated	Layer	NB
EK126SC-J	FS Part 1 NAPL Distribution Refinement	398	402	N/A	None	N/A	N/A
EK136SC-H	FS Part 1 NAPL Distribution Refinement	0	50	20	None	Sheen	NB
EK136SC-H	FS Part 1 NAPL Distribution Refinement	50	75	65	Sheen	Sheen	NB
EK136SC-H	FS Part 1 NAPL Distribution Refinement	75	805	120 ¹	None	Negative	NB
EK136SC-H	FS Part 1 NAPL Distribution Refinement			164	None	Negative	NB
EK136SC-H	FS Part 1 NAPL Distribution Refinement			180	None	Negative	NB
EK136SC-H	FS Part 1 NAPL Distribution Refinement			480	None	Negative	NB
EK136SC-H	FS Part 1 NAPL Distribution Refinement			800 ¹	None	Negative	NB
EK137SC-H	FS Part 1 NAPL Distribution Refinement	305	324	N/A	None	N/A	N/A
EK137SC-H	FS Part 1 NAPL Distribution Refinement	324	392	352	Blebs	Blebs	3
EK137SC-H	FS Part 1 NAPL Distribution Refinement	392	421	395 ¹	Sheen	Blebs	1
EK137SC-H	FS Part 1 NAPL Distribution Refinement	421	457	N/A	No Recovery	N/A	N/A
EK137SC-H	FS Part 1 NAPL Distribution Refinement	457	470	N/A	None	N/A	N/A
EK137SC-H	FS Part 1 NAPL Distribution Refinement	470	480	N/A	Sheen	N/A	N/A
EK137SC-H	FS Part 1 NAPL Distribution Refinement	480	492	485	Blebs	Blebs	2
EK137SC-H	FS Part 1 NAPL Distribution Refinement	492	735	498	None	Negative	NB
EK137SC-H	FS Part 1 NAPL Distribution Refinement			670	None	Negative	NB
EK137SC-I	FS Part 1 NAPL Distribution Refinement	0	127	20 ¹	None	Negative	NB
EK137SC-I	FS Part 1 NAPL Distribution Refinement			126	None	Negative	NB
EK137SC-I	FS Part 1 NAPL Distribution Refinement	127	129	N/A	Sheen	N/A	N/A
EK137SC-I	FS Part 1 NAPL Distribution Refinement	129	153	140 ²	Coated	Layer	NB
EK137SC-I	FS Part 1 NAPL Distribution Refinement	153	156	N/A	Sheen	N/A	N/A
EK137SC-I	FS Part 1 NAPL Distribution Refinement	156	237	165	None	Sheen	NB
EK137SC-I	FS Part 1 NAPL Distribution Refinement	237	250	238	Sheen	Blebs	1
EK137SC-I	FS Part 1 NAPL Distribution Refinement			243	Sheen	Sheen	NB
EK137SC-I	FS Part 1 NAPL Distribution Refinement	250	251	250 ²	Saturated	Layer	NB
EK137SC-I	FS Part 1 NAPL Distribution Refinement	251	264	N/A	Sheen	N/A	N/A
EK137SC-I	FS Part 1 NAPL Distribution Refinement	264	415	267 ¹	None	Sheen	NB
EK137SC-I	FS Part 1 NAPL Distribution Refinement			400 ¹	None	Negative	NB
EK137SC-J	FS Part 1 NAPL Distribution Refinement	762	930	808	None	Negative	NB
EK138SC-H	FS Part 1 NAPL Distribution Refinement	0	600	14	None	Negative	NB
EK138SC-H	FS Part 1 NAPL Distribution Refinement			54	None	Negative	NB
EK138SC-H	FS Part 1 NAPL Distribution Refinement			145	None	Negative	NB
EK138SC-H	FS Part 1 NAPL Distribution Refinement			595	None	Negative	NB

**Table C3-5
Detailed Visual and Shake Test Observations by Depth for
Cores Processed Using Phase 2 Methods**

Core ID	Core Type	Start Depth (cm below mudline)	End Depth (cm below mudline)	Shake Test Depth (cm below mudline)	Visual Observation	Shake Test Result	Shake Test Bleb Rank Estimate
EK138SC-I	FS Part 1 NAPL Distribution Refinement	518	698	540	None	Negative	NB
EK138SC-I	FS Part 1 NAPL Distribution Refinement			690	None	Negative	NB
EK145SC-H	FS Part 1 NAPL Distribution Refinement	0	50	12 ¹	Sheen	Sheen	NB
EK145SC-H	FS Part 1 NAPL Distribution Refinement			50	Sheen	Sheen	NB
EK145SC-H	FS Part 1 NAPL Distribution Refinement	50	896	118	None	Negative	NB
EK145SC-H	FS Part 1 NAPL Distribution Refinement			403	None	Negative	NB
EK145SC-H	FS Part 1 NAPL Distribution Refinement			470	None	Negative	NB
EK145SC-H	FS Part 1 NAPL Distribution Refinement			690 ¹	None	Negative	NB
EK145SC-H	FS Part 1 NAPL Distribution Refinement			887	None	Negative	NB
EK146SC-H	FS Part 1 NAPL Distribution Refinement	0	36	N/A	None	N/A	N/A
EK146SC-H	FS Part 1 NAPL Distribution Refinement	36	50	48	Sheen	Sheen	NB
EK146SC-H	FS Part 1 NAPL Distribution Refinement	50	144	N/A	None	N/A	N/A
EK146SC-H	FS Part 1 NAPL Distribution Refinement	144	150	146	Sheen	Sheen	NB
EK146SC-H	FS Part 1 NAPL Distribution Refinement	150	175	N/A	None	N/A	N/A
EK146SC-H	FS Part 1 NAPL Distribution Refinement	175	191	N/A	Sheen	N/A	N/A
EK146SC-H	FS Part 1 NAPL Distribution Refinement	191	197	N/A	Sheen	N/A	N/A
EK146SC-H	FS Part 1 NAPL Distribution Refinement	197	914	232	None	Negative	NB
EK146SC-H	FS Part 1 NAPL Distribution Refinement			437	None	Negative	NB
EK146SC-H	FS Part 1 NAPL Distribution Refinement			610 ¹	None	Negative	NB
EK146SC-H	FS Part 1 NAPL Distribution Refinement			900	None	Negative	NB
MC005SC-E	Phase 2 Subsurface	0	58	N/A	None	N/A	N/A
MC005SC-E	Phase 2 Subsurface	58	119	70	Blebs	Blebs	2
MC007SC-A	Phase 2 Subsurface	0	150	50	Sheen	Sheen	NB
MC007SC-A	Phase 2 Subsurface	150	210	160	Blebs	Blebs	1
MC007SC-A	Phase 2 Subsurface	210	220	210	Blebs	Blebs	1
MC007SC-A	Phase 2 Subsurface	220	240	N/A	Sheen	N/A	N/A
MC007SC-A	Phase 2 Subsurface	240	320	250	None	Negative	NB
MC007SC-A	Phase 2 Subsurface	320	345	320	Sheen	Sheen	NB
MC007SC-A	Phase 2 Subsurface	345	380	N/A	None	N/A	N/A
MC007SC-C	Phase 2 Subsurface	0	33	N/A	None	N/A	N/A
MC007SC-C	Phase 2 Subsurface	33	160	50	Blebs	Blebs	1
MC007SC-C	Phase 2 Subsurface	160	300	160	Blebs	Blebs	2
MC007SC-C	Phase 2 Subsurface	300	350	300	Blebs	Blebs	2
MC007SC-C	Phase 2 Subsurface	350	388	350	Blebs	Blebs	2
MC029SC-A	Phase 2 Groundwater	0	186	110	Sheen	Blebs	2
MC029SC-A	Phase 2 Groundwater	198	235	N/A	Sheen	N/A	N/A
MC029SC-A	Phase 2 Groundwater	351	411	N/A	Sheen	N/A	N/A
MC029SC-A	Phase 2 Groundwater	411	439	N/A	None	N/A	N/A
MC029SC-A	Phase 2 Groundwater	503	607	N/A	None	N/A	N/A
MC029SC-A	Phase 2 Groundwater	655	774	773	Sheen	Sheen	NB
MC029SC-A	Phase 2 Groundwater	808	868	N/A	Sheen	N/A	N/A
MC029SC-A	Phase 2 Groundwater	868	939	937	None	Negative	NB
MC029SC-A	Phase 2 Groundwater	960	1,000	N/A	None	N/A	N/A
MC029SC-A	Phase 2 Groundwater	1,000	1,027	N/A	None	N/A	N/A
MC030SC-A	Phase 2 Groundwater	0	185	60	Sheen	Sheen	NB
MC030SC-A	Phase 2 Groundwater	185	229	N/A	None	N/A	N/A
MC030SC-A	Phase 2 Groundwater	229	287	N/A	Sheen	N/A	N/A
MC030SC-A	Phase 2 Groundwater	381	457	N/A	Sheen	N/A	N/A
MC030SC-A	Phase 2 Groundwater	533	573	543	Sheen	Sheen	NB
MC030SC-A	Phase 2 Groundwater	573	655	N/A	None	N/A	N/A
MC030SC-A	Phase 2 Groundwater	686	733	700	Sheen	Sheen	NB
MC030SC-A	Phase 2 Groundwater	733	745	N/A	None	N/A	N/A
MC030SC-A	Phase 2 Groundwater	745	762	N/A	None	N/A	N/A
MC030SC-A	Phase 2 Groundwater	838	873	840	None	Negative	NB
MC030SC-A	Phase 2 Groundwater	873	903	N/A	None	N/A	N/A
MC030SC-A	Phase 2 Groundwater	903	961	N/A	None	N/A	N/A
MC030SC-A	Phase 2 Groundwater	961	1,011	N/A	None	N/A	N/A
MC030SC-A	Phase 2 Groundwater	1,011	1,082	N/A	None	N/A	N/A
MC031SC-A	Phase 2 Groundwater	0	40	N/A	None	N/A	N/A
MC031SC-A	Phase 2 Groundwater	244	262	257	Sheen	Sheen	NB
MC031SC-A	Phase 2 Groundwater	262	308	N/A	Sheen	N/A	N/A
MC031SC-A	Phase 2 Groundwater	396	486	446	Sheen	Sheen	NB
MC031SC-A	Phase 2 Groundwater	486	512	N/A	None	N/A	N/A
MC031SC-A	Phase 2 Groundwater	549	559	N/A	None	N/A	N/A
MC031SC-A	Phase 2 Groundwater	559	579	N/A	Sheen	N/A	N/A
MC031SC-A	Phase 2 Groundwater	579	695	N/A	None	N/A	N/A
MC031SC-A	Phase 2 Groundwater	701	734	N/A	Sheen	N/A	N/A
MC031SC-A	Phase 2 Groundwater	734	822	810	None	Negative	NB
MC031SC-A	Phase 2 Groundwater	822	832	N/A	None	N/A	N/A
MC031SC-A	Phase 2 Groundwater	853	925	N/A	None	N/A	N/A
MC031SC-A	Phase 2 Groundwater	925	985	N/A	None	N/A	N/A
MC031SC-A	Phase 2 Groundwater	985	1,003	N/A	None	N/A	N/A

**Table C3-5
Detailed Visual and Shake Test Observations by Depth for
Cores Processed Using Phase 2 Methods**

Core ID	Core Type	Start Depth (cm below mudline)	End Depth (cm below mudline)	Shake Test Depth (cm below mudline)	Visual Observation	Shake Test Result	Shake Test Bleb Rank Estimate
NC003SC-F	Phase 2 Subsurface	0	100	60	None	Negative	NB
NC003SC-F	Phase 2 Subsurface	100	115	100	None	Negative	NB
NC012SC-C	Phase 2 Subsurface	0	14	2	None	Negative	NB
NC012SC-C	Phase 2 Subsurface	14	80	14	None	Negative	NB
NC012SC-C	Phase 2 Subsurface	80	118	80	None	Negative	NB
NC012SC-F	Phase 2 Subsurface	0	25	25	Sheen	Sheen	NB
NC012SC-F	Phase 2 Subsurface	25	100	N/A	None	N/A	N/A
NC012SC-F	Phase 2 Subsurface	100	128	100	Sheen	Sheen	NB
NC012SC-F	Phase 2 Subsurface	128	139	132	Sheen	Blebs	2
NC012SC-F	Phase 2 Subsurface	139	143	N/A	None	N/A	N/A
NC022SC-B	Processed Phase 1 Archive	0	50	30	None	Negative	NB
NC022SC-B	Processed Phase 1 Archive	50	55	N/A	Sheen	N/A	N/A
NC022SC-B	Processed Phase 1 Archive	55	116	91	Sheen	Blebs	1
NC022SC-B	Processed Phase 1 Archive	116	174	137	Sheen	Blebs	3
NC022SC-B	Processed Phase 1 Archive	174	216	183	None	Negative	NB
NC023SC-B	Processed Phase 1 Archive	0	46	N/A	None	N/A	N/A
NC023SC-B	Processed Phase 1 Archive	46	107	76	Sheen	Sheen	NB
NC023SC-B	Processed Phase 1 Archive	107	207	183	Sheen	Blebs	2
NC023SC-B	Processed Phase 1 Archive	207	241	223	None	Negative	NB
NC023SC-B	Processed Phase 1 Archive	241	274	265	None	Negative	NB
NC029SC-A	Phase 2 Groundwater	0	116	20	None	Negative	NB
NC029SC-A	Phase 2 Groundwater	116	168	152	Sheen	Sheen	NB
NC029SC-A	Phase 2 Groundwater	183	223	203	Sheen	Sheen	NB
NC029SC-A	Phase 2 Groundwater	366	446	370	None	Negative	NB
NC029SC-A	Phase 2 Groundwater	446	475	N/A	None	N/A	N/A
NC029SC-A	Phase 2 Groundwater	518	610	610	None	Negative	NB
NC036SC-A	Processed Phase 1 Archive	0	24	15	None	Negative	NB
NC036SC-A	Processed Phase 1 Archive	24	65	45	None	Sheen	NB
NC036SC-A	Processed Phase 1 Archive	65	100	85	Sheen	Sheen	NB
NC036SC-A	Processed Phase 1 Archive	100	107	N/A	None	N/A	N/A
NC036SC-A	Processed Phase 1 Archive	115	131	118	None	Negative	NB
NC036SC-A	Processed Phase 1 Archive	131	161	148	None	Negative	NB
NC036SC-A	Processed Phase 1 Archive	161	228	173	None	Negative	NB
NC036SC-A	Processed Phase 1 Archive	228	272	243	None	Negative	NB
NC036SC-A	Processed Phase 1 Archive	280	316	N/A	None	N/A	N/A
NC036SC-A	Processed Phase 1 Archive	316	445	363	None	Negative	NB
NC037SC-D	Phase 2 Subsurface	0	85	50	None	Negative	NB
NC037SC-D	Phase 2 Subsurface	85	112	100	Blebs	Blebs	2
NC044SC-B	Processed Phase 1 Archive	0	43	20	None	Negative	NB
NC044SC-B	Processed Phase 1 Archive	43	91	70	Sheen	Blebs	1
NC044SC-B	Processed Phase 1 Archive	101	167	137	None	Negative	NB
NC044SC-B	Processed Phase 1 Archive	167	207	197	None	Negative	NB
NC044SC-B	Processed Phase 1 Archive	207	243	N/A	None	N/A	N/A
NC044SC-B	Processed Phase 1 Archive	243	251	251	None	Negative	NB
NC044SC-B	Processed Phase 1 Archive	251	308	286	None	Negative	NB
NC044SC-B	Processed Phase 1 Archive	308	395	326	None	Negative	NB
NC045SC-A	Processed Phase 1 Archive	0	10	N/A	None	N/A	N/A
NC045SC-A	Processed Phase 1 Archive	10	58	35	None	Sheen	NB
NC045SC-A	Processed Phase 1 Archive	58	70	70	None	Blebs	2
NC045SC-A	Processed Phase 1 Archive	70	102	90	None	Sheen	NB
NC045SC-A	Processed Phase 1 Archive	102	111	102	None	Sheen	NB
NC045SC-A	Processed Phase 1 Archive	111	150	120	None	Negative	NB
NC045SC-A	Processed Phase 1 Archive	150	255	240	None	Negative	NB
NC048SC-E	Processed Phase 1 Archive	0	3	2	None	Negative	NB
NC048SC-E	Processed Phase 1 Archive	3	35	N/A	None	N/A	N/A
NC048SC-E	Processed Phase 1 Archive	35	46	35	Blebs	Sheen	NB
NC048SC-E	Processed Phase 1 Archive	59	137	82	None	Negative	NB
NC048SC-E	Processed Phase 1 Archive	137	144	N/A	None	N/A	N/A
NC048SC-E	Processed Phase 1 Archive	144	152	147	Blebs	Blebs	3
NC048SC-E	Processed Phase 1 Archive	152	174	N/A	None	N/A	N/A
NC048SC-E	Processed Phase 1 Archive	174	182	N/A	Blebs	N/A	N/A
NC048SC-E	Processed Phase 1 Archive	182	201	N/A	None	N/A	N/A
NC048SC-E	Processed Phase 1 Archive	201	227	216	None	Blebs	2
NC048SC-E	Processed Phase 1 Archive	227	258	251	None	Blebs	1
NC048SC-E	Processed Phase 1 Archive	258	281	N/A	None	N/A	N/A
NC048SC-E	Processed Phase 1 Archive	281	296	291	None	Negative	NB
NC048SC-E	Processed Phase 1 Archive	296	325	321	None	Negative	NB
NC048SC-E	Processed Phase 1 Archive	325	353	N/A	None	N/A	N/A
NC049SC-A	Processed Phase 1 Archive	0	10	4	None	Negative	NB
NC049SC-A	Processed Phase 1 Archive	10	90	30	Sheen	Sheen	NB
NC049SC-A	Processed Phase 1 Archive	90	131	122	Blebs	Blebs	1
NC050SC-B	Processed Phase 1 Archive	0	69	N/A	None	N/A	N/A
NC050SC-B	Processed Phase 1 Archive	69	88	77	Sheen	Sheen	NB

**Table C3-5
Detailed Visual and Shake Test Observations by Depth for
Cores Processed Using Phase 2 Methods**

Core ID	Core Type	Start Depth (cm below mudline)	End Depth (cm below mudline)	Shake Test Depth (cm below mudline)	Visual Observation	Shake Test Result	Shake Test Bleb Rank Estimate
NC050SC-B	Processed Phase 1 Archive	88	110	N/A	None	N/A	N/A
NC050SC-B	Processed Phase 1 Archive	110	178	123	Sheen	Sheen	NB
NC050SC-B	Processed Phase 1 Archive	178	188	183	None	Negative	NB
NC050SC-B	Processed Phase 1 Archive	188	194	N/A	None	N/A	N/A
NC050SC-B	Processed Phase 1 Archive	194	217	N/A	None	N/A	N/A
NC050SC-B	Processed Phase 1 Archive	217	236	N/A	None	N/A	N/A
NC050SC-B	Processed Phase 1 Archive	236	265	N/A	None	N/A	N/A
NC051SC-B	Processed Phase 1 Archive	0	2	N/A	None	N/A	N/A
NC051SC-B	Processed Phase 1 Archive	2	92	45	None	Negative	NB
NC051SC-B	Processed Phase 1 Archive	104	188	112	Sheen	Blebs	2
NC051SC-B	Processed Phase 1 Archive	188	192	192	Blebs	Blebs	2
NC051SC-B	Processed Phase 1 Archive	192	214	N/A	Sheen	N/A	N/A
NC051SC-B	Processed Phase 1 Archive	214	257	240	Sheen	Sheen	NB
NC051SC-B	Processed Phase 1 Archive	257	260	N/A	None	N/A	N/A
NC051SC-B	Processed Phase 1 Archive	260	336	270	None	Negative	NB
NC055SC-B	Processed Phase 1 Archive	0	20	N/A	None	N/A	N/A
NC055SC-B	Processed Phase 1 Archive	20	58	35	Sheen	Sheen	NB
NC055SC-B	Processed Phase 1 Archive	71	144	104	None	Sheen	NB
NC055SC-B	Processed Phase 1 Archive	144	160	149	Sheen	Blebs	2
NC055SC-B	Processed Phase 1 Archive	160	196	170	None	Negative	NB
NC055SC-B	Processed Phase 1 Archive	196	334	212	None	Negative	NB
NC056SC-A	Phase 2 Groundwater	0	165	50	None	Sheen	NB
NC056SC-A	Phase 2 Groundwater	183	263	240	None	Sheen	NB
NC056SC-A	Phase 2 Groundwater	263	268	265	Sheen	Sheen	NB
NC056SC-A	Phase 2 Groundwater	268	293	N/A	None	N/A	N/A
NC056SC-A	Phase 2 Groundwater	305	439	325	None	Negative	NB
NC062SC-A	Phase 2 Groundwater	0	70	N/A	Sheen	N/A	N/A
NC062SC-A	Phase 2 Groundwater	183	244	243	Sheen	Sheen	NB
NC062SC-A	Phase 2 Groundwater	335	384	N/A	Sheen	N/A	N/A
NC062SC-A	Phase 2 Groundwater	488	533	N/A	Sheen	N/A	N/A
NC062SC-A	Phase 2 Groundwater	533	597	N/A	None	N/A	N/A
NC062SC-A	Phase 2 Groundwater	640	756	730	Sheen	Sheen	NB
NC069SC-A	Phase 2 Groundwater	0	34	N/A	None	N/A	N/A
NC069SC-A	Phase 2 Groundwater	34	113	65	Sheen	Sheen	NB
NC069SC-A	Phase 2 Groundwater	122	174	N/A	None	N/A	N/A
NC069SC-A	Phase 2 Groundwater	305	381	N/A	None	N/A	N/A
NC069SC-A	Phase 2 Groundwater	457	475	N/A	Blebs	N/A	N/A
NC069SC-A	Phase 2 Groundwater	475	479	479	Saturated	Blebs	4
NC069SC-A	Phase 2 Groundwater	479	490	483	None	Sheen	NB
NC069SC-A	Phase 2 Groundwater	490	500	N/A	Blebs	N/A	N/A
NC069SC-A	Phase 2 Groundwater	610	640	610	None	Negative	NB
NC069SC-A	Phase 2 Groundwater	640	677	N/A	None	N/A	N/A
NC069SC-A	Phase 2 Groundwater	762	811	810	None	Negative	NB
NC069SC-B	Processed Phase 1 Archive	0	70	40	None	Sheen	NB
NC069SC-B	Processed Phase 1 Archive	70	115	90	Sheen	Sheen	NB
NC069SC-B	Processed Phase 1 Archive	134	209	159	None	Blebs	1
NC069SC-B	Processed Phase 1 Archive	209	249	224	Sheen	Blebs	1
NC069SC-B	Processed Phase 1 Archive	249	300	287	None	Negative	NB
NC069SC-B	Processed Phase 1 Archive	300	322	316	None	Sheen	NB
NC069SC-B	Processed Phase 1 Archive	322	324	322	Coated	Layer	NB
NC069SC-B	Processed Phase 1 Archive	324	348	347	None	Negative	NB
NC069SC-B	Processed Phase 1 Archive	348	447	N/A	None	N/A	N/A
NC069SC-B	Processed Phase 1 Archive	447	574	462	None	Negative	NB
NC071SC-B	Phase 2 Subsurface	0	60	30	Sheen	Sheen	NB
NC071SC-B	Phase 2 Subsurface	60	120	65	Sheen	Sheen	NB
NC071SC-B	Phase 2 Subsurface	120	129	120	Sheen	Sheen	NB
NC072SC-B	Processed Phase 1 Archive	0	27	15	Sheen	Sheen	NB
NC072SC-B	Processed Phase 1 Archive	27	120	80	Sheen	Blebs	1
NC072SC-B	Processed Phase 1 Archive	120	131	N/A	Sheen	N/A	N/A
NC072SC-B	Processed Phase 1 Archive	151	180	N/A	Sheen	N/A	N/A
NC072SC-B	Processed Phase 1 Archive	180	290	220	Sheen	Sheen	NB
NC072SC-B	Processed Phase 1 Archive	290	296	290	Sheen	Sheen	NB
NC072SC-B	Processed Phase 1 Archive	296	301	299	Coated	Blebs	3
NC072SC-B	Processed Phase 1 Archive	301	319	N/A	None	N/A	N/A
NC072SC-B	Processed Phase 1 Archive	319	320	N/A	None	N/A	N/A
NC072SC-B	Processed Phase 1 Archive	320	325	N/A	None	N/A	N/A
NC072SC-B	Processed Phase 1 Archive	325	329	N/A	Coated	N/A	N/A
NC072SC-B	Processed Phase 1 Archive	329	360	340	None	Negative	NB
NC072SC-B	Processed Phase 1 Archive	360	373	360	Coated	Layer	NB
NC072SC-B	Processed Phase 1 Archive	373	388	380	None	Negative	NB
NC072SC-B	Processed Phase 1 Archive	388	436	400	None	Negative	NB
NC073SC-A	Processed Phase 1 Archive	0	30	10	Sheen	Sheen	NB
NC073SC-A	Processed Phase 1 Archive	30	98	50	Sheen	Sheen	NB

**Table C3-5
Detailed Visual and Shake Test Observations by Depth for
Cores Processed Using Phase 2 Methods**

Core ID	Core Type	Start Depth (cm below mudline)	End Depth (cm below mudline)	Shake Test Depth (cm below mudline)	Visual Observation	Shake Test Result	Shake Test Bleb Rank Estimate
NC073SC-A	Processed Phase 1 Archive	107	120	N/A	Sheen	N/A	N/A
NC073SC-A	Processed Phase 1 Archive	120	160	140	Sheen	Sheen	NB
NC073SC-A	Processed Phase 1 Archive	160	173	N/A	Blebs	N/A	N/A
NC073SC-A	Processed Phase 1 Archive	173	182	175	None	Blebs	2
NC073SC-A	Processed Phase 1 Archive	182	190	N/A	None	N/A	N/A
NC073SC-A	Processed Phase 1 Archive	190	250	200	None	Sheen	NB
NC073SC-A	Processed Phase 1 Archive	250	287	N/A	None	N/A	N/A
NC073SC-A	Processed Phase 1 Archive	287	292	N/A	None	N/A	N/A
NC073SC-A	Processed Phase 1 Archive	292	315	310	None	Negative	NB
NC073SC-A	Processed Phase 1 Archive	315	360	N/A	None	N/A	N/A
NC073SC-A	Processed Phase 1 Archive	360	403	390	None	Negative	NB
NC073SC-A	Processed Phase 1 Archive	403	460	N/A	None	N/A	N/A
NC073SC-A	Processed Phase 1 Archive	460	486	475	None	Negative	NB
NC073SC-A	Processed Phase 1 Archive	486	555	505	None	Negative	NB
NC074SC-B	Processed Phase 1 Archive	0	5	2	Sheen	Sheen	NB
NC074SC-B	Processed Phase 1 Archive	5	23	20	None	Sheen	NB
NC074SC-B	Processed Phase 1 Archive	23	40	N/A	None	N/A	N/A
NC074SC-B	Processed Phase 1 Archive	40	50	N/A	None	N/A	N/A
NC074SC-B	Processed Phase 1 Archive	59	80	N/A	None	N/A	N/A
NC074SC-B	Processed Phase 1 Archive	80	108	N/A	None	N/A	N/A
NC074SC-B	Processed Phase 1 Archive	108	195	120	None	Sheen	NB
NC074SC-B	Processed Phase 1 Archive	195	204	N/A	None	N/A	N/A
NC074SC-B	Processed Phase 1 Archive	207	222	210	None	Sheen	NB
NC074SC-B	Processed Phase 1 Archive	222	230	224	None	Sheen	NB
NC074SC-B	Processed Phase 1 Archive	230	246	N/A	None	N/A	N/A
NC074SC-B	Processed Phase 1 Archive	246	280	N/A	None	N/A	N/A
NC074SC-B	Processed Phase 1 Archive	280	290	N/A	None	N/A	N/A
NC074SC-B	Processed Phase 1 Archive	290	300	293	None	Sheen	NB
NC074SC-B	Processed Phase 1 Archive	300	317	305	None	Negative	NB
NC074SC-B	Processed Phase 1 Archive	317	319	N/A	None	N/A	N/A
NC074SC-B	Processed Phase 1 Archive	319	355	330	None	Negative	NB
NC074SC-B	Processed Phase 1 Archive	362	400	N/A	None	N/A	N/A
NC074SC-B	Processed Phase 1 Archive	400	454	420	None	Negative	NB
NC074SC-B	Processed Phase 1 Archive	454	466	454	None	Negative	NB
NC074SC-B	Processed Phase 1 Archive	466	508	N/A	None	N/A	N/A
NC075SC-A	Phase 2 Groundwater	0	211	129	Blebs	Blebs	5
NC075SC-A	Phase 2 Groundwater	211	244	211	Blebs	Blebs	2
NC075SC-A	Phase 2 Groundwater	244	304	N/A	Blebs	N/A	N/A
NC075SC-A	Phase 2 Groundwater	304	335	N/A	Coated	N/A	N/A
NC075SC-A	Phase 2 Groundwater	396	494	413	Coated	Layer	NB
NC075SC-A	Phase 2 Groundwater	549	572	565	None	Negative	NB
NC154SC-D	Phase 2 Subsurface	0	90	50	None	Negative	NB
NC154SC-D	Phase 2 Subsurface	90	122	90	None	Negative	NB
NC161SC-A	Phase 2 Subsurface	0	116	100	None	Negative	NB
NC161SC-B	Phase 2 Subsurface	0	120	40	None	Negative	NB
NC161SC-B	Phase 2 Subsurface	120	135	120	None	Negative	NB
NC161SC-C	Phase 2 Subsurface	0	127	110	None	Negative	NB
NC169SC-C	Phase 2 Subsurface	0	20	N/A	None	N/A	N/A
NC169SC-C	Phase 2 Subsurface	20	48	40	Sheen	Negative	NB
NC169SC-C	Phase 2 Subsurface	48	131	N/A	None	N/A	N/A
NC169SC-D	Phase 2 Subsurface	0	21	N/A	None	N/A	N/A
NC169SC-D	Phase 2 Subsurface	21	70	N/A	Sheen	N/A	N/A
NC169SC-D	Phase 2 Subsurface	70	106	N/A	None	N/A	N/A
NC174SC-D	Phase 2 Subsurface	0	60	20	Sheen	Sheen	NB
NC174SC-D	Phase 2 Subsurface	60	90	60	Sheen	Sheen	NB
NC174SC-D	Phase 2 Subsurface	90	113	100	Blebs	Blebs	2
NC176SC-A	Phase 2 Subsurface	0	200	N/A	None	N/A	N/A
NC176SC-A	Phase 2 Subsurface	200	225	202	Blebs	Blebs	1
NC176SC-A	Phase 2 Subsurface	227	228	228	Blebs	Blebs	2
NC176SC-A	Phase 2 Subsurface	228	244	244	Blebs	Blebs	1
NC176SC-A	Phase 2 Subsurface	244	328	315	Sheen	Sheen	NB
NC176SC-A	Phase 2 Subsurface	328	370	338	Blebs	Blebs	2
NC176SC-A	Phase 2 Subsurface	370	395	374	Sheen	Sheen	NB
NC176SC-A	Phase 2 Subsurface	395	400	396	Blebs	Blebs	2
NC176SC-A	Phase 2 Subsurface	400	442	N/A	Sheen	N/A	N/A
NC176SC-A	Phase 2 Subsurface	442	446	N/A	Blebs	N/A	N/A
NC176SC-A	Phase 2 Subsurface	446	448	N/A	Sheen	N/A	N/A
NC176SC-A	Phase 2 Subsurface	448	449	N/A	Blebs	N/A	N/A
NC176SC-A	Phase 2 Subsurface	449	530	N/A	Sheen	N/A	N/A
NC176SC-B	Phase 2 Subsurface	0	345	N/A	None	N/A	N/A
NC176SC-B	Phase 2 Subsurface	345	371	N/A	Blebs	N/A	N/A
NC176SC-B	Phase 2 Subsurface	371	377	N/A	None	N/A	N/A
NC176SC-B	Phase 2 Subsurface	377	524	N/A	None	N/A	N/A

**Table C3-5
Detailed Visual and Shake Test Observations by Depth for
Cores Processed Using Phase 2 Methods**

Core ID	Core Type	Start Depth (cm below mudline)	End Depth (cm below mudline)	Shake Test Depth (cm below mudline)	Visual Observation	Shake Test Result	Shake Test Bleb Rank Estimate
NC218SC-A	Phase 2 Groundwater	0	49	N/A	None	N/A	N/A
NC218SC-A	Phase 2 Groundwater	183	221	185	None	Negative	NB
NC218SC-A	Phase 2 Groundwater	221	232	N/A	None	N/A	N/A
NC218SC-A	Phase 2 Groundwater	335	375	N/A	None	N/A	N/A
NC218SC-A	Phase 2 Groundwater	375	445	N/A	None	N/A	N/A
NC218SC-A	Phase 2 Groundwater	488	527	N/A	None	N/A	N/A
NC218SC-A	Phase 2 Groundwater	527	576	564	None	Negative	NB
NC229SC-A	Phase 2 Subsurface	0	25	N/A	None	N/A	N/A
NC229SC-A	Phase 2 Subsurface	25	40	30	Blebs	Blebs	2
NC229SC-A	Phase 2 Subsurface	40	75	60	Blebs	Blebs	2
NC229SC-A	Phase 2 Subsurface	75	110	80	Sheen	Sheen	NB
NC229SC-A	Phase 2 Subsurface	110	383	N/A	None	N/A	N/A
NC229SC-B	Phase 2 Subsurface	0	15	N/A	None	N/A	N/A
NC229SC-B	Phase 2 Subsurface	15	130	80	Sheen	Sheen	NB
NC229SC-B	Phase 2 Subsurface	130	420	N/A	None	N/A	N/A
NC230SC-A	Phase 2 Subsurface	0	100	N/A	None	N/A	N/A
NC230SC-A	Phase 2 Subsurface	100	160	110	Blebs	Blebs	2
NC230SC-A	Phase 2 Subsurface	160	450	N/A	None	N/A	N/A
NC230SC-B	Phase 2 Subsurface	0	130	N/A	None	N/A	N/A
NC230SC-B	Phase 2 Subsurface	130	200	130	Sheen	Sheen	NB
NC230SC-B	Phase 2 Subsurface	200	298	200	None	Sheen	NB
NC232SC-H	FS Part 1 NAPL Distribution Refinement	0	213	184	None	Negative	NB
NC232SC-I	FS Part 1 NAPL Distribution Refinement	310	350	N/A	None	N/A	N/A
NC232SC-I	FS Part 1 NAPL Distribution Refinement	350	380	350	Blebs	Blebs	2
NC232SC-I	FS Part 1 NAPL Distribution Refinement	380	441	412	None	Negative	NB
NC233SC-A	Phase 2 Subsurface	0	20	20	Sheen	Sheen	NB
NC233SC-A	Phase 2 Subsurface	20	163	130	Sheen	Sheen	NB
NC233SC-A	Phase 2 Subsurface	163	444	N/A	None	N/A	N/A
NC233SC-B	Phase 2 Subsurface	0	32	N/A	None	N/A	N/A
NC233SC-B	Phase 2 Subsurface	32	178	N/A	Sheen	N/A	N/A
NC233SC-B	Phase 2 Subsurface	178	211	N/A	Sheen	N/A	N/A
NC233SC-B	Phase 2 Subsurface	211	390	N/A	None	N/A	N/A
NC251SC-A	Phase 2 Subsurface	0	250	100	None	Negative	NB
NC251SC-A	Phase 2 Subsurface	250	440	250	None	Negative	NB
NC251SC-A	Phase 2 Subsurface	440	470	460	Blebs	Blebs	2
NC251SC-A	Phase 2 Subsurface	470	509	N/A	None	N/A	N/A
NC253SC-A	Phase 2 Subsurface	0	115	65	None	Negative	NB
NC253SC-A	Phase 2 Subsurface	115	126	115	None	Negative	NB
NC254SC-G	Phase 2 Subsurface	0	75	40	None	Negative	NB
NC254SC-G	Phase 2 Subsurface	75	84	80	Blebs	Blebs	3
NC254SC-G	Phase 2 Subsurface	84	114	N/A	None	N/A	N/A
NC255SC-A	Phase 2 Subsurface	0	50	10	None	Negative	NB
NC255SC-A	Phase 2 Subsurface	50	95	50	None	Negative	NB
NC255SC-A	Phase 2 Subsurface	95	107	95	None	Negative	NB
NC256SC-A	Phase 2 Subsurface	0	81	N/A	None	N/A	N/A
NC256SC-A	Phase 2 Subsurface	81	90	87	Sheen	Sheen	NB
NC256SC-A	Phase 2 Subsurface	90	100	N/A	None	N/A	N/A
NC256SC-B	Phase 2 Subsurface	0	91	10	None	Negative	NB
NC256SC-B	Phase 2 Subsurface	91	115	108	Sheen	Sheen	NB
NC256SC-G	Phase 2 Subsurface	0	85	N/A	None	N/A	N/A
NC256SC-G	Phase 2 Subsurface	85	92	N/A	Sheen	N/A	N/A
NC256SC-G	Phase 2 Subsurface	92	113	N/A	None	N/A	N/A
NC257SC-F	Phase 2 Subsurface	0	95	60	None	Negative	NB
NC257SC-F	Phase 2 Subsurface	95	120	95	None	Negative	NB
NC258SC-A	Phase 2 Subsurface	0	92	50	None	Negative	NB
NC258SC-A	Phase 2 Subsurface	92	121	102	Sheen	Blebs	1
NC258SC-A	Phase 2 Subsurface	121	188	135	Blebs	Blebs	2
NC258SC-A	Phase 2 Subsurface	188	228	219	None	Negative	NB
NC258SC-A	Phase 2 Subsurface	228	236	228	None	Negative	NB
NC258SC-D	Phase 2 Subsurface	0	52	40	Sheen	Sheen	NB
NC258SC-D	Phase 2 Subsurface	52	255	220	Sheen	Sheen	NB
NC258SC-D	Phase 2 Subsurface	255	275	N/A	None	N/A	N/A
NC258SC-E	Phase 2 Subsurface	0	58	N/A	None	N/A	N/A
NC258SC-E	Phase 2 Subsurface	58	130	65	Sheen	Sheen	NB
NC258SC-E	Phase 2 Subsurface	130	168	130	Sheen	Sheen	NB
NC258SC-E	Phase 2 Subsurface	168	206	180	None	Negative	NB
NC258SC-E	Phase 2 Subsurface	206	225	N/A	None	N/A	N/A
NC258SC-F	Phase 2 Subsurface	0	102	30	None	Negative	NB
NC258SC-F	Phase 2 Subsurface	102	145	120	Blebs	Blebs	2
NC258SC-F	Phase 2 Subsurface	145	170	145	Blebs	Blebs	2
NC258SC-F	Phase 2 Subsurface	170	238	190	Sheen	Blebs	2
NC259SC-A	Phase 2 Subsurface	0	115	45	None	Negative	NB
NC259SC-A	Phase 2 Subsurface	115	125	120	Blebs	Blebs	2

**Table C3-5
Detailed Visual and Shake Test Observations by Depth for
Cores Processed Using Phase 2 Methods**

Core ID	Core Type	Start Depth (cm below mudline)	End Depth (cm below mudline)	Shake Test Depth (cm below mudline)	Visual Observation	Shake Test Result	Shake Test Bleb Rank Estimate
NC260SC-E	Phase 2 Subsurface	0	50	20	None	Negative	NB
NC260SC-E	Phase 2 Subsurface	50	67	50	None	Negative	NB
NC260SC-E	Phase 2 Subsurface	67	80	78	Sheen	Sheen	NB
NC261SC-A	Phase 2 Subsurface	0	90	25	None	Negative	NB
NC261SC-A	Phase 2 Subsurface	90	100	100	Blebs	Blebs	2
NC261SC-A	Phase 2 Subsurface	100	120	120	Blebs	Blebs	2
NC261SC-A	Phase 2 Subsurface	120	171	N/A	None	N/A	N/A
NC261SC-A	Phase 2 Subsurface	171	206	N/A	None	N/A	N/A
NC261SC-A	Phase 2 Subsurface	206	252	N/A	None	N/A	N/A
NC261SC-A	Phase 2 Subsurface	252	384	290	None	Negative	NB
NC262SC-A	Phase 2 Subsurface	0	112	40	None	Sheen	NB
NC262SC-A	Phase 2 Subsurface	112	128	127	Sheen	Sheen	NB
NC262SC-A	Phase 2 Subsurface	128	179	N/A	None	N/A	N/A
NC262SC-A	Phase 2 Subsurface	179	183	180	Sheen	Sheen	NB
NC262SC-A	Phase 2 Subsurface	183	195	N/A	None	N/A	N/A
NC262SC-A	Phase 2 Subsurface	195	198	197	Blebs	Layer	NB
NC262SC-A	Phase 2 Subsurface	198	358	230	None	Negative	NB
NC263SC-C	Phase 2 Subsurface	0	23	N/A	None	N/A	N/A
NC263SC-C	Phase 2 Subsurface	23	94	30	Sheen	Sheen	NB
NC263SC-C	Phase 2 Subsurface	94	103	100	Blebs	Blebs	2
NC263SC-C	Phase 2 Subsurface	103	114	N/A	None	N/A	N/A
NC263SC-C	Phase 2 Subsurface	117	175	N/A	None	N/A	N/A
NC263SC-C	Phase 2 Subsurface	175	210	190	Blebs	Blebs	2
NC263SC-C	Phase 2 Subsurface	210	236	220	Sheen	Sheen	NB
NC263SC-C	Phase 2 Subsurface	236	571	N/A	None	N/A	N/A
NC264SC-B	Phase 2 Subsurface	0	24	N/A	None	N/A	N/A
NC264SC-B	Phase 2 Subsurface	24	52	50	Blebs	Blebs	2
NC264SC-B	Phase 2 Subsurface	52	113	N/A	None	N/A	N/A
NC264SC-B	Phase 2 Subsurface	113	142	130	Sheen	Sheen	NB
NC264SC-B	Phase 2 Subsurface	142	210	N/A	None	N/A	N/A
NC264SC-B	Phase 2 Subsurface	210	260	210	Blebs	Blebs	1
NC264SC-B	Phase 2 Subsurface	260	271	260	Blebs	Blebs	2
NC264SC-B	Phase 2 Subsurface	271	384	N/A	None	N/A	N/A
NC264SC-B	Phase 2 Subsurface	384	436	N/A	None	N/A	N/A
NC264SC-B	Phase 2 Subsurface	436	479	460	None	Negative	NB
NC264SC-B	Phase 2 Subsurface	479	482	480	Blebs	Blebs	2
NC264SC-B	Phase 2 Subsurface	482	501	N/A	None	N/A	N/A
NC265SC-A	Phase 2 Subsurface	0	40	N/A	None	N/A	N/A
NC265SC-A	Phase 2 Subsurface	40	150	50	Sheen	Sheen	NB
NC265SC-A	Phase 2 Subsurface	150	223	150	Sheen	Sheen	NB
NC265SC-A	Phase 2 Subsurface	223	283	240	None	Negative	NB
NC265SC-A	Phase 2 Subsurface	283	285	284	Coated	Blebs	5
NC265SC-A	Phase 2 Subsurface	285	287	N/A	None	N/A	N/A
NC265SC-A	Phase 2 Subsurface	287	289	N/A	Coated	N/A	N/A
NC265SC-A	Phase 2 Subsurface	289	345	320	None	Negative	NB
NC265SC-A	Phase 2 Subsurface	345	352	345	None	Negative	NB
NC265SC-A	Phase 2 Subsurface	352	358	N/A	None	N/A	N/A
NC265SC-A	Phase 2 Subsurface	358	425	N/A	None	N/A	N/A
NC265SC-A	Phase 2 Subsurface	434	535	500	None	Negative	NB
NC265SC-A	Phase 2 Subsurface	535	576	550	None	Negative	NB
NC265SC-B	Phase 2 Subsurface	0	160	105	Sheen	Sheen	NB
NC265SC-B	Phase 2 Subsurface	160	161	N/A	Coated	N/A	N/A
NC265SC-B	Phase 2 Subsurface	161	182	N/A	Sheen	N/A	N/A
NC265SC-B	Phase 2 Subsurface	182	186	182	Coated	Blebs	3
NC265SC-B	Phase 2 Subsurface	186	191	N/A	Sheen	N/A	N/A
NC265SC-B	Phase 2 Subsurface	191	193	193	Coated	Blebs	5
NC265SC-B	Phase 2 Subsurface	193	204	N/A	Sheen	N/A	N/A
NC265SC-B	Phase 2 Subsurface	204	206	N/A	Coated	N/A	N/A
NC265SC-B	Phase 2 Subsurface	206	215	N/A	Sheen	N/A	N/A
NC265SC-B	Phase 2 Subsurface	215	278	255	None	Negative	NB
NC265SC-B	Phase 2 Subsurface	278	340	N/A	None	N/A	N/A
NC265SC-B	Phase 2 Subsurface	340	368	N/A	None	N/A	N/A
NC266SC-A	Phase 2 Groundwater	0	9	N/A	None	N/A	N/A
NC266SC-A	Phase 2 Groundwater	9	10	10	Sheen	Negative	NB
NC266SC-A	Phase 2 Groundwater	10	149	140	None	Negative	NB
NC266SC-A	Phase 2 Groundwater	152	186	N/A	None	N/A	N/A
NC266SC-A	Phase 2 Groundwater	305	365	N/A	None	N/A	N/A
NC266SC-A	Phase 2 Groundwater	365	381	N/A	None	N/A	N/A
NC266SC-A	Phase 2 Groundwater	457	517	457	None	Negative	NB
NC266SC-A	Phase 2 Groundwater	517	547	N/A	None	N/A	N/A
NC266SC-A	Phase 2 Groundwater	547	582	N/A	None	N/A	N/A
NC267SC-A	Phase 2 Groundwater	0	41	N/A	None	N/A	N/A

**Table C3-5
Detailed Visual and Shake Test Observations by Depth for
Cores Processed Using Phase 2 Methods**

Core ID	Core Type	Start Depth (cm below mudline)	End Depth (cm below mudline)	Shake Test Depth (cm below mudline)	Visual Observation	Shake Test Result	Shake Test Bleb Rank Estimate
NC267SC-A	Phase 2 Groundwater	41	42	N/A	Sheen	N/A	N/A
NC267SC-A	Phase 2 Groundwater	42	134	133	Sheen	Negative	NB
NC267SC-A	Phase 2 Groundwater	134	135	N/A	Sheen	N/A	N/A
NC267SC-A	Phase 2 Groundwater	135	160	N/A	None	N/A	N/A
NC267SC-A	Phase 2 Groundwater	160	161	N/A	Sheen	N/A	N/A
NC267SC-A	Phase 2 Groundwater	161	162	N/A	None	N/A	N/A
NC267SC-A	Phase 2 Groundwater	213	251	N/A	None	N/A	N/A
NC267SC-A	Phase 2 Groundwater	251	271	260	Sheen	Negative	NB
NC267SC-A	Phase 2 Groundwater	366	439	N/A	Sheen	N/A	N/A
NC267SC-A	Phase 2 Groundwater	518	553	538	Sheen	Blebs	1
NC267SC-A	Phase 2 Groundwater	553	576	571	Sheen	Sheen	NB
NC267SC-A	Phase 2 Groundwater	671	701	N/A	None	N/A	N/A
NC267SC-A	Phase 2 Groundwater	701	780	N/A	None	N/A	N/A
NC267SC-A	Phase 2 Groundwater	823	914	N/A	None	N/A	N/A
NC268SC-A	Phase 2 Groundwater	0	180	N/A	None	N/A	N/A
NC268SC-A	Phase 2 Groundwater	180	201	180	Sheen	Sheen	NB
NC268SC-A	Phase 2 Groundwater	213	287	N/A	Sheen	N/A	N/A
NC268SC-A	Phase 2 Groundwater	518	530	520	Sheen	Sheen	NB
NC268SC-A	Phase 2 Groundwater	530	539	N/A	None	N/A	N/A
NC268SC-A	Phase 2 Groundwater	671	802	675	None	Negative	NB
NC268SC-A	Phase 2 Groundwater	823	860	N/A	None	N/A	N/A
NC269SC-A	Phase 2 Groundwater	0	8	N/A	None	N/A	N/A
NC269SC-A	Phase 2 Groundwater	8	21	N/A	None	N/A	N/A
NC269SC-A	Phase 2 Groundwater	21	94	60	None	Negative	NB
NC269SC-A	Phase 2 Groundwater	305	388	325	None	Negative	NB
NC269SC-A	Phase 2 Groundwater	388	401	N/A	None	N/A	N/A
NC269SC-A	Phase 2 Groundwater	401	421	N/A	None	N/A	N/A
NC269SC-A	Phase 2 Groundwater	457	522	N/A	None	N/A	N/A
NC269SC-A	Phase 2 Groundwater	522	533	N/A	None	N/A	N/A
NC270SC-D	Phase 2 Groundwater	0	4	N/A	None	N/A	N/A
NC270SC-D	Phase 2 Groundwater	4	5	5	Sheen	Sheen	NB
NC270SC-D	Phase 2 Groundwater	5	43	36	None	Negative	NB
NC270SC-D	Phase 2 Groundwater	61	101	N/A	None	N/A	N/A
NC270SC-D	Phase 2 Groundwater	101	134	N/A	None	N/A	N/A
NC270SC-D	Phase 2 Groundwater	213	347	N/A	None	N/A	N/A
NC270SC-D	Phase 2 Groundwater	366	427	N/A	None	N/A	N/A
NC271SC-A	Phase 2 Groundwater	0	30	N/A	None	N/A	N/A
NC271SC-A	Phase 2 Groundwater	30	45	N/A	Blebs	N/A	N/A
NC271SC-A	Phase 2 Groundwater	45	60	N/A	None	N/A	N/A
NC271SC-A	Phase 2 Groundwater	60	61	N/A	Blebs	N/A	N/A
NC271SC-A	Phase 2 Groundwater	61	75	N/A	None	N/A	N/A
NC271SC-A	Phase 2 Groundwater	75	76	N/A	Blebs	N/A	N/A
NC271SC-A	Phase 2 Groundwater	76	110	N/A	None	N/A	N/A
NC271SC-A	Phase 2 Groundwater	110	120	N/A	Blebs	N/A	N/A
NC271SC-A	Phase 2 Groundwater	120	122	N/A	None	N/A	N/A
NC271SC-A	Phase 2 Groundwater	122	182	N/A	Blebs	N/A	N/A
NC271SC-A	Phase 2 Groundwater	182	188	184	Saturated	Blebs	2
NC271SC-A	Phase 2 Groundwater	188	204	N/A	None	N/A	N/A
NC271SC-A	Phase 2 Groundwater	244	276	244	None	Negative	NB
NC271SC-A	Phase 2 Groundwater	276	296	N/A	None	N/A	N/A
NC271SC-A	Phase 2 Groundwater	296	324	N/A	None	N/A	N/A
NC271SC-A	Phase 2 Groundwater	324	456	N/A	None	N/A	N/A
NC271SC-A	Phase 2 Groundwater	456	488	N/A	None	N/A	N/A
NC271SC-B	Phase 2 Groundwater	0	67	30	Sheen	Negative	NB
NC271SC-B	Phase 2 Groundwater	67	98	84	Sheen	Negative	NB
NC271SC-B	Phase 2 Groundwater	98	128	N/A	Sheen	N/A	N/A
NC271SC-B	Phase 2 Groundwater	128	155	137	None	Negative	NB
NC271SC-C	Phase 2 Groundwater	0	91	61	Sheen	Negative	NB
NC271SC-C	Phase 2 Groundwater	91	105	N/A	Sheen	N/A	N/A
NC271SC-C	Phase 2 Groundwater	105	120	114	Sheen	Blebs	2
NC271SC-C	Phase 2 Groundwater	120	145	131	Sheen	Blebs	3
NC271SC-C	Phase 2 Groundwater	145	168	158	None	Sheen	NB
NC272SC-A	Phase 2 Groundwater	0	152	N/A	None	N/A	N/A
NC272SC-A	Phase 2 Groundwater	152	269	165	None	Negative	NB
NC272SC-A	Phase 2 Groundwater	305	363	N/A	None	N/A	N/A
NC273SC-A	Phase 2 Groundwater	305	327	320	Sheen	Sheen	NB
NC273SC-A	Phase 2 Groundwater	327	357	N/A	None	N/A	N/A
NC273SC-A	Phase 2 Groundwater	357	364	360	None	Negative	NB
NC273SC-A	Phase 2 Groundwater	457	640	N/A	None	N/A	N/A
NC275SC-A	Phase 2 Groundwater	0	70	50	Sheen	Sheen	NB
NC275SC-A	Phase 2 Groundwater	70	107	N/A	None	N/A	N/A
NC275SC-A	Phase 2 Groundwater	152	174	N/A	None	N/A	N/A
NC275SC-A	Phase 2 Groundwater	174	186	N/A	None	N/A	N/A

**Table C3-5
Detailed Visual and Shake Test Observations by Depth for
Cores Processed Using Phase 2 Methods**

Core ID	Core Type	Start Depth (cm below mudline)	End Depth (cm below mudline)	Shake Test Depth (cm below mudline)	Visual Observation	Shake Test Result	Shake Test Bleb Rank Estimate
NC275SC-A	Phase 2 Groundwater	305	375	375	None	Negative	NB
NC276SC-A	Phase 2 Groundwater	0	22	N/A	None	N/A	N/A
NC276SC-A	Phase 2 Groundwater	22	24	N/A	Sheen	N/A	N/A
NC276SC-A	Phase 2 Groundwater	24	44	N/A	None	N/A	N/A
NC276SC-A	Phase 2 Groundwater	44	54	N/A	Sheen	N/A	N/A
NC276SC-A	Phase 2 Groundwater	54	60	N/A	None	N/A	N/A
NC276SC-A	Phase 2 Groundwater	60	110	80	Sheen	Blebs	3
NC276SC-A	Phase 2 Groundwater	110	130	N/A	None	N/A	N/A
NC276SC-A	Phase 2 Groundwater	130	180	N/A	Sheen	N/A	N/A
NC276SC-A	Phase 2 Groundwater	183	213	N/A	None	N/A	N/A
NC276SC-A	Phase 2 Groundwater	213	233	228	Sheen	Blebs	2
NC276SC-A	Phase 2 Groundwater	233	238	N/A	None	N/A	N/A
NC276SC-A	Phase 2 Groundwater	238	244	244	None	Negative	NB
NC276SC-A	Phase 2 Groundwater	259	323	N/A	None	N/A	N/A
NC276SC-A	Phase 2 Groundwater	323	472	N/A	None	N/A	N/A
NC277SC-A	Phase 2 Groundwater	0	107	N/A	Sheen	N/A	N/A
NC277SC-A	Phase 2 Groundwater	107	152	140	Blebs	Blebs	2
NC277SC-A	Phase 2 Groundwater	152	207	N/A	Sheen	N/A	N/A
NC277SC-A	Phase 2 Groundwater	244	283	N/A	Sheen	N/A	N/A
NC277SC-A	Phase 2 Groundwater	283	298	N/A	Sheen	N/A	N/A
NC277SC-A	Phase 2 Groundwater	298	329	329	None	Negative	NB
NC277SC-A	Phase 2 Groundwater	396	446	N/A	None	N/A	N/A
NC277SC-A	Phase 2 Groundwater	446	549	N/A	None	N/A	N/A
NC278SC-A	Phase 2 Groundwater	0	110	40	None	Negative	NB
NC278SC-A	Phase 2 Groundwater	110	128	112	Sheen	Blebs	2
NC278SC-A	Phase 2 Groundwater	128	137	N/A	None	N/A	N/A
NC278SC-A	Phase 2 Groundwater	152	180	N/A	None	N/A	N/A
NC278SC-A	Phase 2 Groundwater	180	274	210	None	Negative	NB
NC278SC-A	Phase 2 Groundwater	305	396	N/A	None	N/A	N/A
NC278SC-A	Phase 2 Groundwater	396	418	N/A	None	N/A	N/A
NC279SC-A	Phase 2 Groundwater	0	43	17	Sheen	Sheen	NB
NC279SC-A	Phase 2 Groundwater	305	325	N/A	Sheen	N/A	N/A
NC279SC-A	Phase 2 Groundwater	325	335	N/A	None	N/A	N/A
NC279SC-A	Phase 2 Groundwater	335	354	350	Sheen	Sheen	NB
NC279SC-A	Phase 2 Groundwater	354	361	N/A	None	N/A	N/A
NC279SC-A	Phase 2 Groundwater	361	381	N/A	None	N/A	N/A
NC279SC-A	Phase 2 Groundwater	457	693	N/A	None	N/A	N/A
NC279SC-A	Phase 2 Groundwater	693	710	N/A	None	N/A	N/A
NC279SC-A	Phase 2 Groundwater	762	782	N/A	None	N/A	N/A
NC279SC-A	Phase 2 Groundwater	782	817	N/A	None	N/A	N/A
NC280SC-A	Phase 2 Groundwater	0	27	N/A	None	N/A	N/A
NC280SC-A	Phase 2 Groundwater	152	162	N/A	None	N/A	N/A
NC280SC-A	Phase 2 Groundwater	162	201	173	None	Sheen	NB
NC280SC-A	Phase 2 Groundwater	201	229	N/A	None	N/A	N/A
NC280SC-A	Phase 2 Groundwater	305	366	N/A	None	N/A	N/A
NC281SC-A	Phase 2 Groundwater	274	324	304	Sheen	Sheen	NB
NC281SC-A	Phase 2 Groundwater	324	336	334	Sheen	Sheen	NB
NC281SC-A	Phase 2 Groundwater	336	351	N/A	None	N/A	N/A
NC281SC-A	Phase 2 Groundwater	427	503	N/A	None	N/A	N/A
NC281SC-A	Phase 2 Groundwater	579	594	N/A	None	N/A	N/A
NC282SC-A	Phase 2 Groundwater	152	170	N/A	Sheen	N/A	N/A
NC282SC-A	Phase 2 Groundwater	170	201	182	Sheen	Blebs	2
NC282SC-A	Phase 2 Groundwater	305	375	N/A	None	N/A	N/A
NC282SC-A	Phase 2 Groundwater	375	387	N/A	None	N/A	N/A
NC282SC-A	Phase 2 Groundwater	457	580	477	None	Negative	NB
NC282SC-A	Phase 2 Groundwater	580	588	N/A	None	N/A	N/A
NC284SC-A	Phase 2 Groundwater	0	100	62	Sheen	Sheen	NB
NC284SC-A	Phase 2 Groundwater	100	244	N/A	None	N/A	N/A
NC284SC-A	Phase 2 Groundwater	244	305	N/A	Sheen	N/A	N/A
NC284SC-A	Phase 2 Groundwater	396	402	N/A	None	N/A	N/A
NC284SC-A	Phase 2 Groundwater	402	442	N/A	Sheen	N/A	N/A
NC284SC-A	Phase 2 Groundwater	549	579	560	Sheen	Blebs	2
NC284SC-A	Phase 2 Groundwater	579	655	600	None	Negative	NB
NC284SC-A	Phase 2 Groundwater	701	853	N/A	None	N/A	N/A
NC286SC-A	Phase 2 Groundwater	0	128	75	None	Sheen	NB
NC286SC-A	Phase 2 Groundwater	152	192	N/A	None	N/A	N/A
NC286SC-A	Phase 2 Groundwater	305	358	N/A	None	N/A	N/A
NC286SC-A	Phase 2 Groundwater	358	369	N/A	None	N/A	N/A
NC286SC-A	Phase 2 Groundwater	457	555	N/A	None	N/A	N/A
NC286SC-A	Phase 2 Groundwater	610	750	N/A	None	N/A	N/A
NC286SC-A	Phase 2 Groundwater	762	779	N/A	None	N/A	N/A
NC286SC-A	Phase 2 Groundwater	779	828	N/A	None	N/A	N/A
NC286SC-A	Phase 2 Groundwater	828	902	840	None	Negative	NB

**Table C3-5
Detailed Visual and Shake Test Observations by Depth for
Cores Processed Using Phase 2 Methods**

Core ID	Core Type	Start Depth (cm below mudline)	End Depth (cm below mudline)	Shake Test Depth (cm below mudline)	Visual Observation	Shake Test Result	Shake Test Bleb Rank Estimate
NC287SC-A	Phase 2 Groundwater	0	52	52	Sheen	Sheen	NB
NC287SC-A	Phase 2 Groundwater	52	210	120	Sheen	Sheen	NB
NC287SC-A	Phase 2 Groundwater	244	254	N/A	Sheen	N/A	N/A
NC287SC-A	Phase 2 Groundwater	254	335	N/A	Sheen	N/A	N/A
NC287SC-A	Phase 2 Groundwater	396	469	N/A	Sheen	N/A	N/A
NC287SC-A	Phase 2 Groundwater	549	579	N/A	Sheen	N/A	N/A
NC287SC-A	Phase 2 Groundwater	579	622	N/A	None	N/A	N/A
NC287SC-A	Phase 2 Groundwater	701	838	701	None	Negative	NB
NC287SC-A	Phase 2 Groundwater	853	975	N/A	None	N/A	N/A
NC287SC-A	Phase 2 Groundwater	975	1,003	N/A	None	N/A	N/A
NC287SC-A	Phase 2 Groundwater	1,006	1,035	N/A	None	N/A	N/A
NC287SC-A	Phase 2 Groundwater	1,035	1,043	N/A	None	N/A	N/A
NC287SC-A	Phase 2 Groundwater	1,043	1,155	N/A	None	N/A	N/A
NC288SC-A	Phase 2 Groundwater	0	238	N/A	Sheen	N/A	N/A
NC288SC-A	Phase 2 Groundwater	244	308	308	Sheen	Sheen	NB
NC288SC-A	Phase 2 Groundwater	366	412	N/A	Sheen	N/A	N/A
NC288SC-A	Phase 2 Groundwater	412	443	443	None	Negative	NB
NC288SC-A	Phase 2 Groundwater	518	671	N/A	None	N/A	N/A
NC288SC-A	Phase 2 Groundwater	671	762	N/A	None	N/A	N/A
NC295SC-A	Phase 2 Subsurface	0	104	N/A	None	N/A	N/A
NC295SC-A	Phase 2 Subsurface	152	204	N/A	None	N/A	N/A
NC295SC-A	Phase 2 Subsurface	305	341	N/A	None	N/A	N/A
NC295SC-A	Phase 2 Subsurface	457	518	494	None	Negative	NB
NC295SC-A	Phase 2 Subsurface	610	637	N/A	None	N/A	N/A
NC295SC-A	Phase 2 Subsurface	686	719	706	None	Negative	NB
NC295SC-A	Phase 2 Subsurface	762	814	N/A	None	N/A	N/A
NC295SC-A	Phase 2 Subsurface	814	829	N/A	None	N/A	N/A
NC295SC-A	Phase 2 Subsurface	914	930	925	Sheen	Sheen	NB
NC295SC-A	Phase 2 Subsurface	930	939	N/A	None	N/A	N/A
NC296SC-A	Phase 2 Groundwater	0	186	94	Sheen	Sheen	NB
NC296SC-A	Phase 2 Groundwater	213	320	N/A	Sheen	N/A	N/A
NC296SC-A	Phase 2 Groundwater	366	416	414	Coated	Layer	NB
NC296SC-A	Phase 2 Groundwater	416	426	N/A	Coated	N/A	N/A
NC296SC-A	Phase 2 Groundwater	426	475	454	Coated	Blebs	5
NC296SC-A	Phase 2 Groundwater	518	548	548	Sheen	Sheen	NB
NC296SC-A	Phase 2 Groundwater	548	594	578	Sheen	Sheen	NB
NC298SC-A	Phase 2 Groundwater	0	198	112	Coated	Layer	NB
NC298SC-A	Phase 2 Groundwater	396	511	491	Coated	Layer	NB
NC298SC-A	Phase 2 Groundwater	511	541	N/A	Coated	N/A	N/A
NC298SC-A	Phase 2 Groundwater	549	579	N/A	Coated	N/A	N/A
NC298SC-A	Phase 2 Groundwater	579	625	N/A	None	N/A	N/A
NC298SC-A	Phase 2 Groundwater	625	655	641	Coated	Blebs	4
NC298SC-A	Phase 2 Groundwater	701	756	728	None	Negative	NB
NC299SC-A	Phase 2 Groundwater	152	160	154	Sheen	Sheen	NB
NC299SC-A	Phase 2 Groundwater	160	204	188	None	Negative	NB
NC299SC-A	Phase 2 Groundwater	305	381	N/A	None	N/A	N/A
NC299SC-A	Phase 2 Groundwater	427	488	N/A	None	N/A	N/A
NC300SC-A	Phase 2 Groundwater	0	155	44	Sheen	Sheen	NB
NC300SC-A	Phase 2 Groundwater	213	232	N/A	Sheen	N/A	N/A
NC300SC-A	Phase 2 Groundwater	232	335	277	None	Negative	NB
NC300SC-A	Phase 2 Groundwater	457	539	N/A	None	N/A	N/A
NC306SC-C	Phase 2 Subsurface	0	160	80	None	Negative	NB
NC306SC-C	Phase 2 Subsurface	160	185	160	Blebs	Blebs	2
NC306SC-C	Phase 2 Subsurface	185	205	N/A	None	N/A	N/A
NC307SC-B	Phase 2 Subsurface	0	280	N/A	None	N/A	N/A
NC307SC-B	Phase 2 Subsurface	280	290	280	Sheen	Sheen	NB
NC307SC-B	Phase 2 Subsurface	290	440	380	None	Negative	NB
NC307SC-B	Phase 2 Subsurface	440	485	N/A	None	N/A	N/A
NC307SC-B	Phase 2 Subsurface	485	513	N/A	None	N/A	N/A
NC307SC-B	Phase 2 Subsurface	513	610	N/A	None	N/A	N/A
NC308SC-A	Phase 2 Subsurface	0	92	25	Sheen	Sheen	NB
NC308SC-A	Phase 2 Subsurface	92	200	N/A	None	N/A	N/A
NC308SC-A	Phase 2 Subsurface	200	350	270	Sheen	Sheen	NB
NC308SC-A	Phase 2 Subsurface	350	592	N/A	None	N/A	N/A
NC308SC-B	Phase 2 Subsurface	0	85	65	Sheen	Sheen	NB
NC308SC-B	Phase 2 Subsurface	85	577	N/A	None	N/A	N/A
NC309SC-A	Phase 2 Subsurface	0	180	N/A	Sheen	N/A	N/A
NC309SC-A	Phase 2 Subsurface	180	587	N/A	None	N/A	N/A
NC309SC-B	Phase 2 Subsurface	0	240	N/A	Sheen	N/A	N/A
NC309SC-B	Phase 2 Subsurface	240	607	N/A	None	N/A	N/A
NC309SC-C	Phase 2 Subsurface	0	55	25	Sheen	Sheen	NB
NC309SC-C	Phase 2 Subsurface	55	220	145	Blebs	Blebs	3
NC309SC-C	Phase 2 Subsurface	220	285	225	Sheen	Sheen	NB

**Table C3-5
Detailed Visual and Shake Test Observations by Depth for
Cores Processed Using Phase 2 Methods**

Core ID	Core Type	Start Depth (cm below mudline)	End Depth (cm below mudline)	Shake Test Depth (cm below mudline)	Visual Observation	Shake Test Result	Shake Test Bleb Rank Estimate
NC309SC-C	Phase 2 Subsurface	285	505	N/A	None	N/A	N/A
NC309SC-C	Phase 2 Subsurface	505	590	520	Sheen	Sheen	NB
NC309SC-C	Phase 2 Subsurface	590	606	590	Sheen	Sheen	NB
NC319SC-A	Phase 2 Groundwater	0	162	37	None	Sheen	NB
NC319SC-A	Phase 2 Groundwater	244	326	N/A	None	N/A	N/A
NC319SC-A	Phase 2 Groundwater	427	454	N/A	None	N/A	N/A
NC319SC-A	Phase 2 Groundwater	579	640	640	Sheen	Sheen	NB
NC319SC-A	Phase 2 Groundwater	732	762	760	Sheen	Sheen	NB
NC319SC-A	Phase 2 Groundwater	762	778	N/A	None	N/A	N/A
NC319SC-A	Phase 2 Groundwater	778	827	827	None	Negative	NB
NC319SC-A	Phase 2 Groundwater	884	960	N/A	None	N/A	N/A
NC319SC-A	Phase 2 Groundwater	960	1,006	N/A	None	N/A	N/A
NC319SC-A	Phase 2 Groundwater	1,036	1,128	N/A	None	N/A	N/A
NC320SC-A	Phase 2 Groundwater	0	232	62	Sheen	Sheen	NB
NC320SC-A	Phase 2 Groundwater	274	323	N/A	Sheen	N/A	N/A
NC320SC-A	Phase 2 Groundwater	427	479	445	Sheen	Sheen	NB
NC320SC-A	Phase 2 Groundwater	479	503	N/A	None	N/A	N/A
NC320SC-A	Phase 2 Groundwater	579	669	N/A	None	N/A	N/A
NC320SC-A	Phase 2 Groundwater	669	692	691	None	Negative	NB
NC320SC-A	Phase 2 Groundwater	732	777	N/A	None	N/A	N/A
NC342SC-H	FS Part 1 Gas Ebullition Pilot Study	0	165	N/A	None	N/A	N/A
NC342SC-H	FS Part 1 Gas Ebullition Pilot Study	165	168	N/A	Sheen	N/A	N/A
NC342SC-H	FS Part 1 Gas Ebullition Pilot Study	168	180	N/A	None	N/A	N/A
NC342SC-H	FS Part 1 Gas Ebullition Pilot Study	180	183	N/A	Coated	N/A	N/A
NC342SC-H	FS Part 1 Gas Ebullition Pilot Study	183	247	N/A	None	N/A	N/A
NC342SC-H	FS Part 1 Gas Ebullition Pilot Study	247	250	N/A	Saturated	N/A	N/A
NC342SC-H	FS Part 1 Gas Ebullition Pilot Study	250	253	N/A	None	N/A	N/A
NC342SC-H	FS Part 1 Gas Ebullition Pilot Study	253	283	N/A	Blebs	N/A	N/A
NC342SC-H	FS Part 1 Gas Ebullition Pilot Study	283	323	N/A	None	N/A	N/A
NC342SC-H	FS Part 1 Gas Ebullition Pilot Study	323	332	N/A	Blebs	N/A	N/A
NC342SC-H	FS Part 1 Gas Ebullition Pilot Study	332	335	N/A	None	N/A	N/A
NC342SC-H	FS Part 1 Gas Ebullition Pilot Study	335	338	N/A	Blebs	N/A	N/A
NC342SC-H	FS Part 1 Gas Ebullition Pilot Study	338	351	N/A	None	N/A	N/A
NC342SC-H	FS Part 1 Gas Ebullition Pilot Study	351	405	N/A	Blebs	N/A	N/A
NC342SC-I	FS Part 1 Gas Ebullition Pilot Study	0	180	N/A	None	N/A	N/A
NC342SC-I	FS Part 1 Gas Ebullition Pilot Study	180	181	N/A	Blebs	N/A	N/A
NC342SC-I	FS Part 1 Gas Ebullition Pilot Study	181	195	N/A	None	N/A	N/A
NC342SC-I	FS Part 1 Gas Ebullition Pilot Study	195	197	N/A	Coated	N/A	N/A
NC342SC-I	FS Part 1 Gas Ebullition Pilot Study	197	213	N/A	Blebs	N/A	N/A
NC342SC-I	FS Part 1 Gas Ebullition Pilot Study	213	332	N/A	None	N/A	N/A
NC342SC-I	FS Part 1 Gas Ebullition Pilot Study	332	351	N/A	Blebs	N/A	N/A
NC342SC-I	FS Part 1 Gas Ebullition Pilot Study	351	396	N/A	None	N/A	N/A
NC342SC-I	FS Part 1 Gas Ebullition Pilot Study	396	433	N/A	Blebs	N/A	N/A
NC342SC-J	FS Part 1 Gas Ebullition Pilot Study	0	143	N/A	None	N/A	N/A
NC342SC-J	FS Part 1 Gas Ebullition Pilot Study	143	146	N/A	Blebs	N/A	N/A
NC342SC-J	FS Part 1 Gas Ebullition Pilot Study	146	189	N/A	None	N/A	N/A
NC342SC-J	FS Part 1 Gas Ebullition Pilot Study	189	192	N/A	Coated	N/A	N/A
NC342SC-J	FS Part 1 Gas Ebullition Pilot Study	192	207	N/A	Blebs	N/A	N/A
NC342SC-J	FS Part 1 Gas Ebullition Pilot Study	207	283	N/A	None	N/A	N/A
NC342SC-J	FS Part 1 Gas Ebullition Pilot Study	283	351	N/A	Blebs	N/A	N/A
NC342SC-J	FS Part 1 Gas Ebullition Pilot Study	351	404	N/A	Blebs	N/A	N/A
NC342SC-J	FS Part 1 Gas Ebullition Pilot Study	404	405	N/A	Saturated	N/A	N/A
NC342SC-J	FS Part 1 Gas Ebullition Pilot Study	405	421	N/A	Coated	N/A	N/A
NC342SC-K	FS Part 1 Gas Ebullition Pilot Study	0	171	N/A	None	N/A	N/A
NC342SC-K	FS Part 1 Gas Ebullition Pilot Study	171	189	N/A	Blebs	N/A	N/A
NC342SC-K	FS Part 1 Gas Ebullition Pilot Study	189	207	N/A	Blebs	N/A	N/A
NC342SC-K	FS Part 1 Gas Ebullition Pilot Study	207	209	N/A	Saturated	N/A	N/A
NC342SC-K	FS Part 1 Gas Ebullition Pilot Study	209	216	N/A	Blebs	N/A	N/A
NC342SC-K	FS Part 1 Gas Ebullition Pilot Study	216	320	N/A	None	N/A	N/A
NC342SC-K	FS Part 1 Gas Ebullition Pilot Study	320	393	N/A	Blebs	N/A	N/A
NC342SC-K	FS Part 1 Gas Ebullition Pilot Study	393	418	N/A	Blebs	N/A	N/A
NC342SC-L	FS Part 1 Gas Ebullition Pilot Study	0	165	N/A	None	N/A	N/A
NC342SC-L	FS Part 1 Gas Ebullition Pilot Study	165	178	N/A	Blebs	N/A	N/A
NC342SC-L	FS Part 1 Gas Ebullition Pilot Study	178	180	N/A	Saturated	N/A	N/A
NC342SC-L	FS Part 1 Gas Ebullition Pilot Study	180	253	N/A	Blebs	N/A	N/A
NC342SC-L	FS Part 1 Gas Ebullition Pilot Study	253	259	N/A	Blebs	N/A	N/A
NC342SC-L	FS Part 1 Gas Ebullition Pilot Study	259	280	N/A	Blebs	N/A	N/A
NC342SC-L	FS Part 1 Gas Ebullition Pilot Study	280	323	N/A	Blebs	N/A	N/A
NC342SC-L	FS Part 1 Gas Ebullition Pilot Study	323	332	N/A	Blebs	N/A	N/A
NC342SC-L	FS Part 1 Gas Ebullition Pilot Study	332	399	N/A	Blebs	N/A	N/A
NC342SC-M	FS Part 1 Gas Ebullition Pilot Study	0	137	N/A	None	N/A	N/A

**Table C3-5
Detailed Visual and Shake Test Observations by Depth for
Cores Processed Using Phase 2 Methods**

Core ID	Core Type	Start Depth (cm below mudline)	End Depth (cm below mudline)	Shake Test Depth (cm below mudline)	Visual Observation	Shake Test Result	Shake Test Bleb Rank Estimate
NC342SC-M	FS Part 1 Gas Ebullition Pilot Study	137	174	N/A	Blebs	N/A	N/A
NC342SC-M	FS Part 1 Gas Ebullition Pilot Study	174	189	N/A	Blebs	N/A	N/A
NC342SC-M	FS Part 1 Gas Ebullition Pilot Study	189	207	N/A	Blebs	N/A	N/A
NC342SC-M	FS Part 1 Gas Ebullition Pilot Study	207	209	N/A	Saturated	N/A	N/A
NC342SC-M	FS Part 1 Gas Ebullition Pilot Study	209	220	N/A	Blebs	N/A	N/A
NC342SC-M	FS Part 1 Gas Ebullition Pilot Study	220	247	N/A	Blebs	N/A	N/A
NC342SC-M	FS Part 1 Gas Ebullition Pilot Study	247	265	N/A	Blebs	N/A	N/A
NC342SC-M	FS Part 1 Gas Ebullition Pilot Study	265	277	N/A	Blebs	N/A	N/A
NC342SC-M	FS Part 1 Gas Ebullition Pilot Study	277	296	N/A	Saturated	N/A	N/A
NC342SC-M	FS Part 1 Gas Ebullition Pilot Study	296	320	N/A	Blebs	N/A	N/A
NC342SC-M	FS Part 1 Gas Ebullition Pilot Study	320	384	N/A	Blebs	N/A	N/A
NC353SC-I	FS Part 1 NAPL Distribution Refinement	0	58	25	Sheen	Sheen	NB
NC353SC-I	FS Part 1 NAPL Distribution Refinement	58	130	103	Blebs	Blebs	1
NC353SC-I	FS Part 1 NAPL Distribution Refinement	130	233	144	None	Negative	NB
NC353SC-I	FS Part 1 NAPL Distribution Refinement			203	None	Negative	NB
NC354SC-H	FS Part 1 NAPL Distribution Refinement	0	138	134	None	Negative	NB
NC354SC-H	FS Part 1 NAPL Distribution Refinement	138	173	N/A	Blebs	N/A	N/A
NC354SC-H	FS Part 1 NAPL Distribution Refinement	173	212	188	None	Negative	NB
NC354SC-H	FS Part 1 NAPL Distribution Refinement	212	224	N/A	Blebs	N/A	N/A
NC354SC-H	FS Part 1 NAPL Distribution Refinement	224	248	N/A	None	N/A	N/A
NC354SC-H	FS Part 1 NAPL Distribution Refinement	248	259	N/A	Blebs	N/A	N/A
NC354SC-H	FS Part 1 NAPL Distribution Refinement	259	429	350	None	Negative	NB
NC355SC-H	FS Part 1 NAPL Distribution Refinement	152	166	N/A	None	N/A	N/A
NC355SC-H	FS Part 1 NAPL Distribution Refinement	166	195	183 ¹	Sheen	Sheen	NB
NC355SC-H	FS Part 1 NAPL Distribution Refinement	195	274	N/A	None	N/A	N/A
NC355SC-I	FS Part 1 NAPL Distribution Refinement	0	20	N/A	None	N/A	N/A
NC355SC-I	FS Part 1 NAPL Distribution Refinement	20	210	80	Sheen	Sheen	NB
NC355SC-I	FS Part 1 NAPL Distribution Refinement	210	253	226	Blebs	Blebs	2
NC355SC-K	FS Part 1 NAPL Distribution Refinement	244	300	277 ¹	Sheen	Sheen	NB
NC355SC-K	FS Part 1 NAPL Distribution Refinement	300	386	N/A	None	N/A	N/A
NC355SC-K	FS Part 1 NAPL Distribution Refinement	386	396	N/A	No Recovery	N/A	N/A
NC355SC-K	FS Part 1 NAPL Distribution Refinement	396	480	N/A	None	N/A	N/A
NC355SC-K	FS Part 1 NAPL Distribution Refinement	480	512	485	Blebs	Blebs	3
NC355SC-L	FS Part 1 NAPL Distribution Refinement	550	575	570	Sheen	Sheen	NB
NC355SC-L	FS Part 1 NAPL Distribution Refinement	575	653	606	None	Negative	NB
NC356SC-H	FS Part 1 NAPL Distribution Refinement	0	190	120	None	Negative	NB
NC356SC-H	FS Part 1 NAPL Distribution Refinement	190	206	202	Blebs	Blebs	3
NC356SC-H	FS Part 1 NAPL Distribution Refinement	206	340	N/A	None	N/A	N/A
NC356SC-H	FS Part 1 NAPL Distribution Refinement	340	345	343	Blebs	Blebs	3
NC356SC-H	FS Part 1 NAPL Distribution Refinement	345	568	475	None	Negative	NB
NC357SC-H	FS Part 1 NAPL Distribution Refinement	0	40	N/A	None	N/A	N/A
NC357SC-H	FS Part 1 NAPL Distribution Refinement	40	60	50	Sheen	Sheen	NB
NC357SC-H	FS Part 1 NAPL Distribution Refinement	60	158	N/A	None	N/A	N/A
NC357SC-H	FS Part 1 NAPL Distribution Refinement	158	190	180	Blebs	Blebs	2
NC357SC-H	FS Part 1 NAPL Distribution Refinement	190	201	N/A	No Recovery	N/A	N/A
NC357SC-H	FS Part 1 NAPL Distribution Refinement	201	210	N/A	Blebs	N/A	N/A
NC357SC-I	FS Part 1 NAPL Distribution Refinement	226	242	230 ¹	Sheen	Sheen	NB
NC357SC-I	FS Part 1 NAPL Distribution Refinement	242	324	290	Blebs	Blebs	2
NC357SC-I	FS Part 1 NAPL Distribution Refinement	324	351	N/A	None	N/A	N/A
NC357SC-J	FS Part 1 NAPL Distribution Refinement	354	380	N/A	None	N/A	N/A
NC357SC-J	FS Part 1 NAPL Distribution Refinement	380	400	387	Sheen	Sheen	NB
NC357SC-J	FS Part 1 NAPL Distribution Refinement	400	476	N/A	None	N/A	N/A
NC358SC-H	FS Part 1 NAPL Distribution Refinement	0	94	50	Sheen	Sheen	NB
NC358SC-H	FS Part 1 NAPL Distribution Refinement	94	224	N/A	None	N/A	N/A
NC358SC-H	FS Part 1 NAPL Distribution Refinement	224	235	226	Blebs	Blebs	3
NC358SC-I	FS Part 1 NAPL Distribution Refinement	272	330	275	Sheen	Blebs	2
NC358SC-I	FS Part 1 NAPL Distribution Refinement	330	352	340	Blebs	Blebs	1
NC358SC-I	FS Part 1 NAPL Distribution Refinement	352	371	N/A	Sheen	N/A	N/A
NC372SC-H	FS Part 1 NAPL Distribution Refinement	0	40	N/A	Sheen	N/A	N/A
NC372SC-H	FS Part 1 NAPL Distribution Refinement	40	80	69	Sheen	Sheen	NB
NC372SC-H	FS Part 1 NAPL Distribution Refinement	80	142	90	None	Negative	NB
NC372SC-H	FS Part 1 NAPL Distribution Refinement	142	147	146	Blebs	Blebs	2
NC372SC-H	FS Part 1 NAPL Distribution Refinement	147	205	N/A	None	N/A	N/A
NC372SC-H	FS Part 1 NAPL Distribution Refinement	205	247	220 ¹	Blebs	Blebs	3
NC372SC-H	FS Part 1 NAPL Distribution Refinement	247	448	275	None	Negative	NB
NC372SC-H	FS Part 1 NAPL Distribution Refinement			360	None	Sheen	NB

**Table C3-5
Detailed Visual and Shake Test Observations by Depth for
Cores Processed Using Phase 2 Methods**

Core ID	Core Type	Start Depth (cm below mudline)	End Depth (cm below mudline)	Shake Test Depth (cm below mudline)	Visual Observation	Shake Test Result	Shake Test Bleb Rank Estimate
NC374SC-H	FS Part 1 NAPL Distribution Refinement	305	355	328 ¹	Blebs	Blebs	2
NC374SC-H	FS Part 1 NAPL Distribution Refinement	355	356	N/A	Coated	N/A	N/A
NC374SC-H	FS Part 1 NAPL Distribution Refinement	356	367	N/A	Blebs	N/A	N/A
NC374SC-H	FS Part 1 NAPL Distribution Refinement	367	370	N/A	None	N/A	N/A
NC374SC-H	FS Part 1 NAPL Distribution Refinement	370	403	378	Blebs	Blebs	4
NC374SC-H	FS Part 1 NAPL Distribution Refinement	403	404	403	Coated	Layer	NB
NC374SC-H	FS Part 1 NAPL Distribution Refinement	404	448	N/A	None	N/A	N/A
NC374SC-H	FS Part 1 NAPL Distribution Refinement	448	457	N/A	No Recovery	N/A	N/A
NC374SC-H	FS Part 1 NAPL Distribution Refinement	457	914	N/A	N/A	N/A	N/A
NC374SC-H	FS Part 1 NAPL Distribution Refinement	914	1,091	1000	None	Negative	NB
NC374SC-H	FS Part 1 NAPL Distribution Refinement	1,091	1,524	N/A	N/A	N/A	N/A
NC374SC-H	FS Part 1 NAPL Distribution Refinement	1,524	1,631	N/A	None	N/A	N/A
NC374SC-H	FS Part 1 NAPL Distribution Refinement	1,631	1,676	N/A	No Recovery	N/A	N/A
NC374SC-H	FS Part 1 NAPL Distribution Refinement	1,676	1,756	1720 ¹	None	Negative	NB
NC374SC-I	FS Part 1 NAPL Distribution Refinement	0	120	25 ¹	Sheen	Sheen	NB
NC374SC-I	FS Part 1 NAPL Distribution Refinement	120	218	200	None	Negative	NB
NC374SC-I	FS Part 1 NAPL Distribution Refinement	218	272	229	Blebs	Blebs	4
NC374SC-I	FS Part 1 NAPL Distribution Refinement	272	300	287	Sheen	Sheen	NB
NC374SC-I	FS Part 1 NAPL Distribution Refinement	300	333	323	Blebs	Blebs	2
NC374SC-I	FS Part 1 NAPL Distribution Refinement	333	407	347	None	Negative	NB
NC374SC-I	FS Part 1 NAPL Distribution Refinement	407	408	407 ¹	Coated	Blebs	3
NC374SC-I	FS Part 1 NAPL Distribution Refinement	408	591	417	None	Negative	NB
NC374SC-I	FS Part 1 NAPL Distribution Refinement			470	None	Negative	NB
NC374SC-I	FS Part 1 NAPL Distribution Refinement			580	None	Negative	NB
NC374SC-J	FS Part 1 NAPL Distribution Refinement	1,006	1,138	1041	None	Negative	NB
NC374SC-K	FS Part 1 NAPL Distribution Refinement	549	579	566	Coated	Blebs	3
NC374SC-K	FS Part 1 NAPL Distribution Refinement	579	686	604	Blebs	Blebs	3
NC374SC-K	FS Part 1 NAPL Distribution Refinement	686	698	N/A	Sheen	N/A	N/A
NC374SC-K	FS Part 1 NAPL Distribution Refinement	698	732	724	None	Negative	NB
NC374SC-L	FS Part 1 NAPL Distribution Refinement	786	896	815	Blebs	Blebs	1
NC374SC-L	FS Part 1 NAPL Distribution Refinement			850 ¹	Blebs	Blebs	1
NC374SC-L	FS Part 1 NAPL Distribution Refinement			890	Blebs	Blebs	1
NC374SC-L	FS Part 1 NAPL Distribution Refinement	896	935	915	None	Negative	NB
NC374SC-M	FS Part 1 NAPL Distribution Refinement	1,585	1,689	1593	None	Negative	NB
NC374SC-M	FS Part 1 NAPL Distribution Refinement			1680	None	Negative	NB
NC374SC-N	FS Part 1 NAPL Distribution Refinement	1,280	1,353	1305	None	Negative	NB
NC374SC-O	FS Part 1 NAPL Distribution Refinement	1,128	1,223	1193	None	Negative	NB
NC374SC-P	FS Part 1 NAPL Distribution Refinement	1,347	1,457	1420	None	Negative	NB
NC374SC-Q	FS Part 1 NAPL Distribution Refinement	1,399	1,515	1462	None	Negative	NB
NC374SC-R	FS Part 1 NAPL Distribution Refinement	1,981	2,094	1994	None	Sheen	NB
NC374SC-R	FS Part 1 NAPL Distribution Refinement			2015	None	Sheen	NB
NC374SC-R	FS Part 1 NAPL Distribution Refinement			2036	None	Negative	NB
NC374SC-R	FS Part 1 NAPL Distribution Refinement			2060	None	Negative	NB
NC374SC-S	FS Part 1 NAPL Distribution Refinement	1,829	1,960	1842	None	Negative	NB
NC374SC-S	FS Part 1 NAPL Distribution Refinement			1875	None	Negative	NB
NC374SC-S	FS Part 1 NAPL Distribution Refinement			1900	None	Negative	NB
NC374SC-S	FS Part 1 NAPL Distribution Refinement			1935	None	Negative	NB
NC374SC-S	FS Part 1 NAPL Distribution Refinement			1945	None	Negative	NB
NC374SC-S	FS Part 1 NAPL Distribution Refinement	1,960	1,981	N/A	No Recovery	N/A	
NC374SC-S	FS Part 1 NAPL Distribution Refinement	1,981	2,286	N/A	N/A	N/A	
NC374SC-S	FS Part 1 NAPL Distribution Refinement	2,286	2,438	2290	None	Negative	NB
NC374SC-S	FS Part 1 NAPL Distribution Refinement			2325	None	Negative	NB
NC374SC-S	FS Part 1 NAPL Distribution Refinement			2400	None	Negative	NB
NC374SC-T	FS Part 1 NAPL Distribution Refinement	1,798	1,914	1810	None	Negative	NB
NC374SC-T	FS Part 1 NAPL Distribution Refinement			1865	None	Negative	NB
NC374SC-T	FS Part 1 NAPL Distribution Refinement			1895	None	Negative	NB
NC374SC-T	FS Part 1 NAPL Distribution Refinement	1,914	1,951	N/A	No Recovery	N/A	
NC374SC-T	FS Part 1 NAPL Distribution Refinement	1,951	2,103	N/A	N/A	N/A	
NC374SC-T	FS Part 1 NAPL Distribution Refinement	2,103	2,210	2120	None	Negative	NB
NC374SC-T	FS Part 1 NAPL Distribution Refinement			2155	None	Negative	NB
NC374SC-T	FS Part 1 NAPL Distribution Refinement			2205	None	Negative	NB
NC374SC-T	FS Part 1 NAPL Distribution Refinement	2,210	2,256	N/A	No Recovery	N/A	
NC374SC-T	FS Part 1 NAPL Distribution Refinement	2,256	2,563	2262	None	Negative	NB
NC374SC-T	FS Part 1 NAPL Distribution Refinement			2284	None	Negative	NB
NC374SC-T	FS Part 1 NAPL Distribution Refinement			2319	None	Negative	NB
NC374SC-T	FS Part 1 NAPL Distribution Refinement			2382	None	Negative	NB
NC374SC-T	FS Part 1 NAPL Distribution Refinement			2445	None	Negative	NB
NC374SC-T	FS Part 1 NAPL Distribution Refinement			2520	None	Negative	NB
NC374SC-T	FS Part 1 NAPL Distribution Refinement			2560	None	Negative	NB

**Table C3-5
Detailed Visual and Shake Test Observations by Depth for
Cores Processed Using Phase 2 Methods**

Core ID	Core Type	Start Depth (cm below mudline)	End Depth (cm below mudline)	Shake Test Depth (cm below mudline)	Visual Observation	Shake Test Result	Shake Test Bleb Rank Estimate
NC375SC-H	FS Part 1 NAPL Distribution Refinement	0	59	20	Sheen	Sheen	NB
NC375SC-H	FS Part 1 NAPL Distribution Refinement	59	210	60	None	Negative	NB
NC375SC-H	FS Part 1 NAPL Distribution Refinement	210	215	213	Sheen	Sheen	NB
NC375SC-H	FS Part 1 NAPL Distribution Refinement	215	613	223	None	Negative	NB
NC375SC-H	FS Part 1 NAPL Distribution Refinement			294	None	Negative	NB
NC375SC-H	FS Part 1 NAPL Distribution Refinement			600	None	Negative	NB
WC003SC-F	Phase 2 Subsurface	0	80	9	None	Negative	NB
WC003SC-F	Phase 2 Subsurface	80	92	85	Sheen	Sheen	NB
WC003SC-G	Phase 2 Subsurface	0	78	N/A	None	N/A	N/A
WC003SC-G	Phase 2 Subsurface	78	91	N/A	Sheen	N/A	N/A
WC003SC-H	Phase 2 Subsurface	0	83	N/A	None	N/A	N/A
WC003SC-H	Phase 2 Subsurface	83	91	N/A	Sheen	N/A	N/A
WC008SC-A	Phase 2 Groundwater	0	56	48	Sheen	Sheen	NB
WC008SC-A	Phase 2 Groundwater	56	165	140	None	Negative	NB
WC008SC-A	Phase 2 Groundwater	229	381	239	None	Negative	NB
WC008SC-A	Phase 2 Groundwater	381	445	N/A	None	N/A	N/A
WC012SC-B	Phase 2 Subsurface	0	60	50	Sheen	Sheen	NB
WC012SC-B	Phase 2 Subsurface	60	128	100	Sheen	Sheen	NB
WC015SC-E	Phase 2 Subsurface	0	95	25	None	Sheen	NB
WC015SC-E	Phase 2 Subsurface	95	115	100	Sheen	Sheen	NB
WC015SC-E	Phase 2 Subsurface	115	120	115	None	Negative	NB
WC015SC-F	Phase 2 Subsurface	0	64	N/A	None	N/A	N/A
WC015SC-F	Phase 2 Subsurface	64	69	N/A	Sheen	N/A	N/A
WC015SC-F	Phase 2 Subsurface	69	83	N/A	None	N/A	N/A
WC015SC-F	Phase 2 Subsurface	83	96	N/A	Sheen	N/A	N/A
WC015SC-F	Phase 2 Subsurface	96	106	N/A	None	N/A	N/A
WC015SC-G	Phase 2 Subsurface	0	76	N/A	None	N/A	N/A
WC015SC-G	Phase 2 Subsurface	76	112	N/A	Sheen	N/A	N/A
WC017SC-A	Phase 2 Groundwater	0	30	30	None	Negative	NB
WC017SC-A	Phase 2 Groundwater	30	244	200	None	Sheen	NB
WC017SC-A	Phase 2 Groundwater	305	317	317	None	Negative	NB
WC017SC-A	Phase 2 Groundwater	317	361	N/A	Sheen	N/A	N/A
WC017SC-A	Phase 2 Groundwater	361	375	N/A	None	N/A	N/A
WC017SC-A	Phase 2 Groundwater	375	390	380	Sheen	Negative	NB
WC017SC-A	Phase 2 Groundwater	390	395	N/A	None	N/A	N/A
WC017SC-A	Phase 2 Groundwater	395	451	451	None	Negative	NB
WC017SC-A	Phase 2 Groundwater	457	513	N/A	None	N/A	N/A
WC017SC-A	Phase 2 Groundwater	513	536	N/A	None	N/A	N/A
WC017SC-A	Phase 2 Groundwater	536	584	N/A	None	N/A	N/A
WC018SC-A	Phase 2 Groundwater	0	180	30	None	Sheen	NB
WC018SC-A	Phase 2 Groundwater	180	195	180	None	Sheen	NB
WC018SC-A	Phase 2 Groundwater	457	530	476	None	Negative	NB
WC018SC-A	Phase 2 Groundwater	530	543	N/A	None	N/A	N/A
WC018SC-A	Phase 2 Groundwater	610	762	762	None	Negative	NB

Notes:

1 = A duplicate shake test was performed. All duplicate shake tests had the same result as the parent shake test.

2 = A large-scale shake test was conducted within the depth interval.

For depth intervals in cores with no observations reported, no sediment was recovered within those depth intervals.

Visual observation = Observations described as none, sheen, blebs, coated, or saturated, as defined in the Phase 2 FSAP Volume 2. Procedures for core processing and characterization of visual observations in sediment and native material are provided in the Phase 2 FSAP Volume 2, SOP NC-20 – Sediment and Native Material Core Processing (Anchor QEA 2014).

Shake test result = Using Phase 2 FSAP Volume 2, SOP NC-21 – Sediment-Water Shake Test (Anchor QEA 2014), jar contents are observed for a negative result, or the presence of a sheen, NAPL blebs, or a NAPL layer.

Acronyms:

cm = centimeter

FS = Feasibility Study

N/A = not applicable, shake test or visual observation not conducted

NAPL = nonaqueous phase liquid

NB = no blebs observed in shake test

Phase 2 FSAP Volume 2 = Phase 2 Field Sampling and Analysis Plan – Volume 2

SOP = Standard Operating Procedure

Reference:

Anchor QEA (Anchor QEA, LLC), 2014. Phase 2 Field Sampling and Analysis Plan – Volume 2. Remedial Investigation/Feasibility Study, Newtown Creek. November 2014.