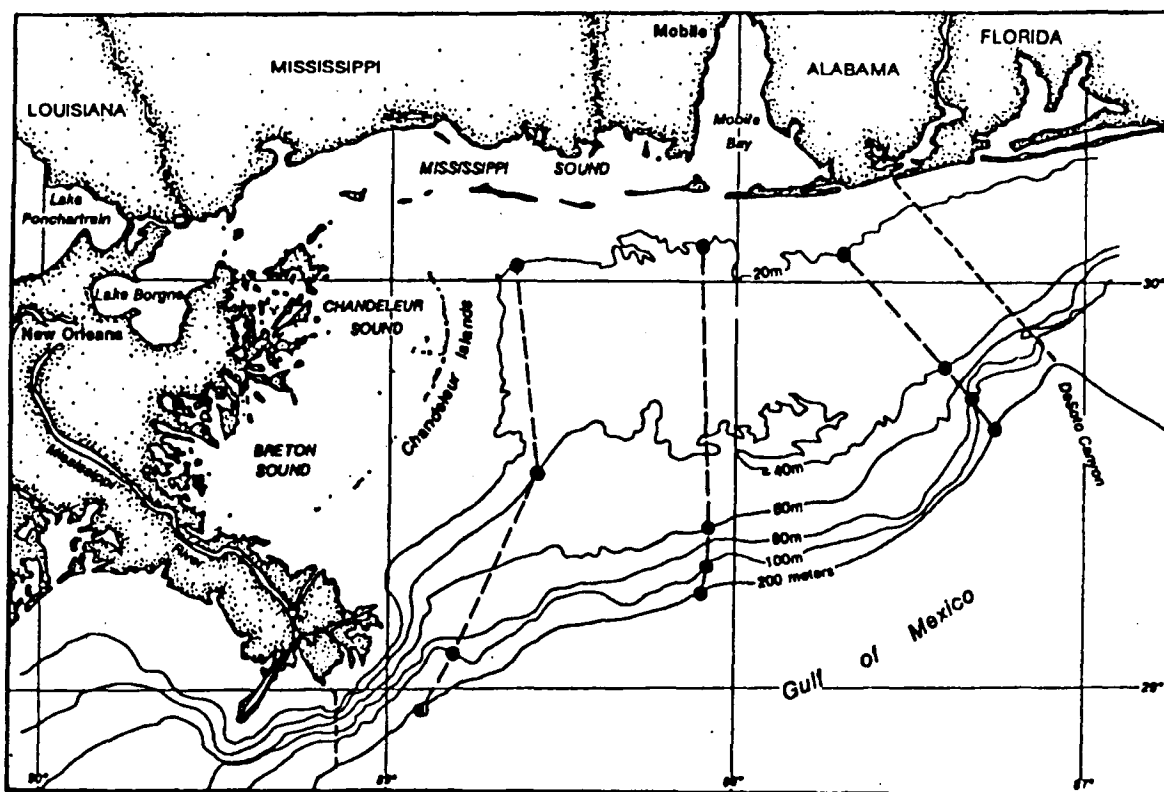


# Mississippi-Alabama Marine Ecosystem Study Annual Report Year 1

## Volume II: Appendices



# Mississippi-Alabama Marine Ecosystem Study Annual Report Year 1

## Volume II: Appendices

Editors

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# Appendix A

## **SEDIMENTS**

High Molecular Weight Hydrocarbon

HIGH MOLECULAR WEIGHT HYDROCARBONS - AROMATICS

+ = Peaks reported during NOAA Status and Trends Gulf Survey

\* = Peaks may be present but less than the limit of quantification

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FILE #	CRUISE	TRANSECT -STATION	% RECOVERIES BASED ON					INTERNAL STANDARD				
			d8-NAPHTH (%)	d10-ACENAPH (%)	d10-PHENAN (%)	d12-CHRYSENE (%)	d12-PERYLENE (%)	1,2,4,5-TETRAMETHYLBENZENE (area)	d8-NAPHTH (area)	d10-ACENAPH (area)	d10-PHENAN (area)	d12-CHRYSENE (area)
L4525	MMS-0	C-1	106.2	92.6	82.8	61.7	73.6	25886	44716	25375	43616	77110
L4526	MMS-0	C-2	107.6	100.8	103.5	89.9	103.0	18333	32089	19566	38617	79482
L4527	MMS-0	C-3	79.9	82.8	77.9	56.0	69.5	28816	37455	25272	45676	77789
L4528	MMS-0	C-4	105.3	89.1	61.4	34.4	32.3	21149	36255	19956	26442	35116
L4529	MMS-0	D-2	94.5	73.0	46.6	28.8	34.4	29084	44708	22481	27568	40444
L4530	MMS-0	D-3	82.3	76.7	65.8	48.0	42.6	16650	22301	13526	22305	38584
L4531	MMS-0	D-4	82.8	81.8	71.8	51.4	55.2	20716	27905	17947	30284	51372
L4532	MMS-0	M-1	56.1	58.3	63.5	52.5	51.3	29681	27098	18335	38342	75179
L4533	MMS-0	M-2	60.6	60.6	60.2	49.3	40.0	34192	33729	21932	41919	81351
L4534	MMS-0	M-3	58.2	50.1	59.1	51.7	41.7	18969	17977	10054	22842	47294
L4535	MMS-0	M-4	109.8	98.4	86.1	63.6	87.6	18876	33734	19660	33078	57944
W6233	MMS-1	C-1	93.9	96.2	87.7	78.5	78.2	81755	100561	91499	203032	233892
W6234	MMS-1	C-2	98.6	94.1	78.5	59.9	60.6	76135	98330	83325	169155	166123
W6235	MMS-1	C-3	60.8	73.1	84.2	81.8	84.0	64867	51700	55161	154585	193228
W6236	MMS-1	C-4	85.9	90.7	86.8	83.0	85.9	63660	71644	67189	156467	192450
W6237	MMS-1	D-1	74.3	81.2	82.8	67.5	62.1	75743	73776	71504	177512	186422
W6238	MMS-1	D-2	93.9	89.7	82.8	62.4	64.7	85084	104647	88759	199551	193410
W6239	MMS-1	D-3	83.0	92.1	98.5	105.4	101.9	117173	127407	125493	326848	449812
W6240	MMS-1	D-4	101.7	107.7	93.3	48.1	18.6	43667	57475	48199	72905	32260
W6241	MMS-1	M-1	86.1	97.2	93.2	84.9	82.7	84932	95807	96020	224215	262804
W6242	MMS-1	M-2	93.1	91.5	84.3	65.6	60.1	76894	93804	81821	183520	183838
W6243	MMS-1	M-3	83.3	93.2	92.8	94.1	92.9	94971	103730	102903	249595	325483
W6244	MMS-1	M-4	82.7	97.0	100.1	150.1	136.3	113500	122970	128014	321557	620609
W7734	MMS-2	C-1	76.2	81.2	92.7	95.3	91.4	48377	58292	42960	67008	84694
W7735	MMS-2	C-2	85.5	78.2	68.3	60.0	55.6	3638	4918	3110	3710	4009
W7736	MMS-2	C-3	62.0	93.8	148.2	137.3	98.1	40881	40094	41908	90498	103173
W7737	MMS-2	C-4	90.2	94.5	103.0	107.8	97.7	45668	65146	47167	70260	90520
W7738	MMS-2	D-1	82.8	88.9	97.0	100.0	102.0	51187	67075	49742	74206	94117
W7739	MMS-2	D-2	81.2	77.3	85.0	84.3	83.5	55248	70990	46701	70150	85633
W7740	MMS-2	D-3	85.8	90.0	99.6	109.4	106.2	55999	75989	55108	83351	112612
W7741	MMS-2	D-4	91.9	95.1	104.0	100.6	106.6	63769	92725	66295	99094	117856
W7742	MMS-2	M-1	78.4	93.0	98.4	108.3	103.1	73864	91571	75076	108557	147061
W7743	MMS-2	M-2	87.0	94.8	103.2	116.3	84.3	84919	116916	88009	130913	181536
W7744	MMS-2	M-3	88.6	99.5	111.4	123.2	106.4	78150	109498	85024	130076	177033
W7745	MMS-2	M-4	77.5	89.9	99.6	105.9	115.2	65607	80407	64458	97628	127644







HIGH MOLECULAR WEIGHT HYDROCARBONS - AROMATICS

+ = Peaks reported during NOAA  
Status and Trends Gulf Survey

\* = Peaks may be present but less  
than the limit of quantification

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FILE #	CRUISE	TRANSECT -STATION	PERYLENE (ppb)+	INDENO-PYRENE (ppb)	DIBENZ ANTHRAC (ppb)+	BENZO(ghi) PERYLENE (ppb)	TOTAL AROM MEAS (ppb)	TOTAL MEAS AS YR 1(+)	2-3 RINGS MEAS AS YR 1(+)	4-5 RINGS MEAS AS YR 1(+)	RATIO 4-5 TO 2-3 RINGS AS YR 1(+)
			(ppb)+	(ppb)	(ppb)+	(ppb)	(ppb)	(ppb)	(%)	(%)	
L4525	MMS-0	C-1	11	<5	<5	<5	16	16	32.6	67.4	2.07
L4526	MMS-0	C-2	<5	<5	<5	<5	6	•	•	•	•
L4527	MMS-0	C-3	52	8	<5	11	174	139	23.2	76.8	3.32
L4528	MMS-0	C-4	94	14	<5	17	348	288	30.9	69.1	2.23
L4529	MMS-0	D-2	<5	<5	<5	<5	5	•	•	•	•
L4530	MMS-0	D-3	<5	<5	<5	<5	6	•	•	•	•
L4531	MMS-0	D-4	<5	6	<5	6	63	40	72.6	27.4	0.38
L4532	MMS-0	M-1	<5	<5	<5	<5	•	•	•	•	•
L4533	MMS-0	M-2	<5	<5	<5	<5	•	•	•	•	•
L4534	MMS-0	M-3	<5	<5	<5	<5	7	•	•	•	•
L4535	MMS-0	M-4	15	9	<5	10	112	78	31.4	68.6	2.19
W6233	MMS-1	C-1	11	<5	<5	<5	76	69	64	36	0.56
W6234	MMS-1	C-2	42	8	<5	9	263	216	52.9	47.1	0.89
W6235	MMS-1	C-3	28	9	<5	11	288	232	57.3	42.7	0.75
W6236	MMS-1	C-4	56	20	5	24	514	411	45.4	54.6	1.2
W6237	MMS-1	D-1	<5	<5	<5	<5	6	•	•	•	•
W6238	MMS-1	D-2	<5	<5	<5	<5	•	•	•	•	•
W6239	MMS-1	D-3	<5	<5	<5	<5	45	39	56	44	0.78
W6240	MMS-1	D-4	<5	<5	<5	<5	192	159	82	18	0.22
W6241	MMS-1	M-1	<5	<5	<5	<5	•	•	•	•	•
W6242	MMS-1	M-2	<5	<5	<5	<5	6	6	100	0	0
W6243	MMS-1	M-3	5	<5	<5	<5	97	88	72.5	27.5	0.38
W6244	MMS-1	M-4	14	9	<5	7	279	230	58.9	41.1	0.7
W7734	MMS-2	C-1	6	8	<5	<5	14	6	0	100	•
W7735	MMS-2	C-2	36	47	<5	15	269	194	58.2	41.8	0.72
W7736	MMS-2	C-3	9	<5	<5	<5	35	27	20.5	79.5	3.88
W7737	MMS-2	C-4	101	40	<5	13	331	260	22.2	77.8	3.5
W7738	MMS-2	D-1	<5	<5	<5	<5	•	•	•	•	•
W7739	MMS-2	D-2	<5	<5	<5	<5	•	•	•	•	•
W7740	MMS-2	D-3	<5	21	<5	5	47	14	0	100	•
W7741	MMS-2	D-4	<5	<5	<5	<5	•	•	•	•	•
W7742	MMS-2	M-1	<5	<5	<5	<5	10	10	0	100	•
W7743	MMS-2	M-2	<5	<5	<5	<5	•	•	•	•	•
W7744	MMS-2	M-3	13	26	<5	8	147	91	18.2	81.8	4.5
W7745	MMS-2	M-4	<5	<5	<5	<5	•	•	•	•	•

HIGH MOLECULAR WEIGHT HYDROCARBONS - AROMATICS

+ = Peaks reported during NOAA  
Status and Trends Gulf Survey

• = Peaks may be present but less  
than the limit of quantification

6-V

FILE #	CRUISE	TRANSECT -STATION	RATIO PHEN/ANTH
L4525	MMS-0	C-1	•
L4526	MMS-0	C-2	•
L4527	MMS-0	C-3	•
L4528	MMS-0	C-4	•
L4529	MMS-0	D-2	•
L4530	MMS-0	D-3	•
L4531	MMS-0	D-4	•
L4532	MMS-0	M-1	•
L4533	MMS-0	M-2	•
L4534	MMS-0	M-3	•
L4535	MMS-0	M-4	•
W6233	MMS-1	C-1	•
W6234	MMS-1	C-2	•
W6235	MMS-1	C-3	•
W6236	MMS-1	C-4	•
W6237	MMS-1	D-1	•
W6238	MMS-1	D-2	•
W6239	MMS-1	D-3	•
W6240	MMS-1	D-4	•
W6241	MMS-1	M-1	•
W6242	MMS-1	M-2	•
W6243	MMS-1	M-3	•
W6244	MMS-1	M-4	•
W7734	MMS-2	C-1	•
W7735	MMS-2	C-2	4.12
W7736	MMS-2	C-3	•
W7737	MMS-2	C-4	2.72
W7738	MMS-2	D-1	•
W7739	MMS-2	D-2	•
W7740	MMS-2	D-3	•
W7741	MMS-2	D-4	•
W7742	MMS-2	M-1	•
W7743	MMS-2	M-2	•
W7744	MMS-2	M-3	•
W7745	MMS-2	M-4	•

## HIGH MOLECULAR WEIGHT HYDROCARBONS - ALKANES

C-Possible coelution of  
non-hydrocarbon peak

FILE #	CRUISE	TRANSECT -STATION	TOTAL	UNRESOLVED COMPLEX MIXTURE		TOT	N-C15 (ppb)	N-C16 (ppb)	N-C17 (ppb)	PRIST (ppb)	N-C18 (ppb)	PHYT (ppb)
			EOM (ppm)	UCM <C23 (ppm)	UCM >C23 (ppm)	UCM (ppm)						
L4525	MMS-0	C-1	44.8	2	2	4	8	14	21	0	16	7
L4526	MMS-0	C-2	16	1	2	3	10	8	3	11	12	5
L4527	MMS-0	C-3	129.6	8	17	23	13	10	16	35	15	21
L4528	MMS-0	C-4	134.4	15	28	42	88	44	64	68	98	21
L4529	MMS-0	D-2	8	1	1	2	26	20	10	8	26	11
L4530	MMS-0	D-3	51.2	1	2	3	11	9	9	14	13	9
L4531	MMS-0	D-4	102	3	8	11	9	7	5	14	17	7
L4532	MMS-0	M-1	10.4	1	1	2	2	4	9	2	6	3
L4533	MMS-0	M-2	14.4	1	1	1	5	5	5	4	7	2
L4534	MMS-0	M-3	4.8	2	4	6	22	18	9	11	31	10
L4535	MMS-0	M-4	145.2	5	7	12	11	7	13	38	17	19
W6233	MMS-1	C-1	38.1	4	1	5	157	287	388	53	185	69
W6234	MMS-1	C-2	87.5	9	5	14	160	318	276	26	67	44
W6235	MMS-1	C-3	70.1	7	5	12	239	459	434	55	104	85
W6236	MMS-1	C-4	123.6	10	7	17	232	398	341	40	81	55
W6237	MMS-1	D-1	19.7	1	1	2	7	23	13	<5	<5	6
W6238	MMS-1	D-2	7.3	1	1	2	15	39	32	6	8	11
W6239	MMS-1	D-3	7.7	3	1	4	51	98	124	49	53	49
W6240	MMS-1	D-4	188.1	9	5	14	34	102	81	54	52	16
W6241	MMS-1	M-1	10.4	2	1	3	35	62	50	19	14	23
W6242	MMS-1	M-2	18.4	2	1	3	48	67	65	22	16	27
W6243	MMS-1	M-3	55	4	2	6	224	340	304	54	68	60
W6244	MMS-1	M-4	86.6	9	3	12	302	483	381	63	94	77
RW7734	MMS-2	C-1	41.5	3	6	9	5	33	14	6	98	12
RW7735	MMS-2	C-2	70.3	7	15	22	13	23	14	16	142	23
RW7736	MMS-2	C-3	49.5	4	10	14	11	50	27	8	130	10
RW7737	MMS-2	C-4	262.1	14	32	46	25	67	56	23	134	24
RW7738	MMS-2	D-1	24.8	3	10	13	4	24	15	14	108	5
RW7739	MMS-2	D-2	24.8	2	8	10	0	31	7	8	117	8
RW7740	MMS-2	D-3	81.5	7	17	24	7	23	16	52	126	32
RW7741	MMS-2	D-4	12	3	5	8	3	17	10	5	100	5
RW7742	MMS-2	M-1	32.9	3	6	9	84	13	7	8	110	7
RW7743	MMS-2	M-2	128	10	14	24	14	36	38	34	139	20
RW7744	MMS-2	M-3	119.2	1	2	3	94	12	0	0	99	0
RW7745	MMS-2	M-4	8	2	2	4	83	14	10	7	97	5

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## HIGH MOLECULAR WEIGHT HYDROCARBONS - ALKANES

C-Possible coelution of  
non-hydrocarbon peak

FILE #	CRUISE	TRANSECT -STATION	NORMAL ALKANE CONCENTRATIONS									
			N-C19 (ppb)	N-C20 (ppb)	N-C21 (ppb)	N-C22 (ppb)	N-C23 (ppb)	N-C24 (ppb)	N-C25 (ppb)	N-C26 (ppb)	N-C27 (ppb)	N-C28 (ppb)
L4525	MMS-0	C-1	5	12	45	3	8	4	9	5	29	13
L4526	MMS-0	C-2	5	13	27	2	4	3	4	8	11	9
L4527	MMS-0	C-3	6	9	87	5	14	7	16	30	45	9
L4528	MMS-0	C-4	34	42	213	18	102	15	38	60	172	19
L4529	MMS-0	D-2	17	12	14	7	15	10	7	13	6	7
L4530	MMS-0	D-3	7	12	19	2	4	3	2	2	18	7
L4531	MMS-0	D-4	8	14	31	2	6	4	4	5	34	11
L4532	MMS-0	M-1	45	4	18	2	2	0	3	4	4	3
L4533	MMS-0	M-2	3	5	13	0	0	0	5	6	3	4
L4534	MMS-0	M-3	16	20	43	5	9	7	11	15	27	16
L4535	MMS-0	M-4	5	14	84	3	9	6	10	22	38	8
W6233	MMS-1	C-1	78	65	15	25	11	9	170	19	85	9
W6234	MMS-1	C-2	24	<5	9	<5	9	10	161	<5	83	15
W6235	MMS-1	C-3	30	22	24	23	12	15	226	32	128	26
W6236	MMS-1	C-4	27	24	14	33	13	13	172	<5	125	20
W6237	MMS-1	D-1	<5	<5	<5	5	<5	<5	180	5	13	<5
W6238	MMS-1	D-2	6	<5	<5	5	<5	<5	190	5	9	<5
W6239	MMS-1	D-3	21	12	6	10	<5	10	81	12	18	<5
W6240	MMS-1	D-4	12	12	3	16	9	8	37	47	65	<5
W6241	MMS-1	M-1	13	6	7	16	8	11	121	8	23	<5
W6242	MMS-1	M-2	9	7	11	11	<5	6	143	5	22	<5
W6243	MMS-1	M-3	22	13	15	15	5	53	132	14	46	6
W6244	MMS-1	M-4	29	16	5	19	<5	16	157	5	97	11
RW7734	MMS-2	C-1	6	9	16	34	5	5	49	12	53	13
RW7735	MMS-2	C-2	11	26	18	11	10	23	50	20	108	21
RW7736	MMS-2	C-3	16	28	10	16	6	11	38	13	47	11
RW7737	MMS-2	C-4	23	44	12	49	336	22	92	7	373	96
RW7738	MMS-2	D-1	7	18	5	5	3	4	60	4	8	16
RW7739	MMS-2	D-2	6	0	0	7	11	5	59	10	8	6
RW7740	MMS-2	D-3	13	14	12	10	8	12	49	6	103	30
RW7741	MMS-2	D-4	6	13	3	5	6	3	62	4	40	103
RW7742	MMS-2	M-1	6	14	7	7	2	5	53	38	26	8
RW7743	MMS-2	M-2	23	61	28	16	10	8	41	0	75	19
RW7744	MMS-2	M-3	0	0	0	0	10	3	63	4	0	5
RW7745	MMS-2	M-4	7	12	8	8	2	4	50	4	12	3

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HIGH MOLECULAR WEIGHT HYDROCARBONS - ALKANES

C-Possible coelution of non-hydrocarbon peak

FILE #	CRUISE	TRANSECT -STATION	N-C29 (ppb)	N-C30 (ppb)	N-C31 (ppb)	N-C32 (ppb)	<N-C23 (ppb)	TOTAL >N-C23 (ppb)	ALKALINITIES			ALKANES >N-C23/ <N-C23
									N-C15 TO N-C32 (ppb)	<N-C23	CPI >N-C23	
L4525	MMS-0	C-1	45	20	64	5	131	202	333	1.76	3.3	1.63
L4526	MMS-0	C-2	29	3	C	10	96	79	175	1.29	#VALUE!	0.99
L4527	MMS-0	C-3	51	5	94	11	217	282	499	3.13	3.55	1.75
L4528	MMS-0	C-4	187	7	270	32	690	902	1592	1.98	5.78	1.5
L4529	MMS-0	D-2	3	6	C	0	151	67	218	1.03	#VALUE!	0.51
L4530	MMS-0	D-3	29	4	92	5	105	166	271	1.28	6.9	2.02
L4531	MMS-0	D-4	45	43	48	8	114	208	322	1.33	1.93	2.24
L4532	MMS-0	M-1	18	0	78	6	95	118	213	4.63	8.08	1.31
L4533	MMS-0	M-2	13	0	64	0	49	95	144	1.53	8.5	2.21
L4534	MMS-0	M-3	174	57	89	36	185	441	626	1.22	2.37	2.69
L4535	MMS-0	M-4	56	29	129	10	211	317	528	2.76	3.23	2.06
W6233	MMS-1	C-1	87	9	56	<5	1322	455	1777	1.14	8.89	0.38
W6234	MMS-1	C-2	123	27	50	<5	924	478	1402	1.22	8.19	0.56
W6235	MMS-1	C-3	139	21	17	<5	1475	616	2091	1.2	5.55	0.46
W6236	MMS-1	C-4	183	20	19	<5	1245	565	1810	1.15	9.66	0.49
W6237	MMS-1	D-1	13	<5	6	<5	54	217	271	0.71	42.4	4.52
W6238	MMS-1	D-2	8	<5	9	<5	122	221	343	1.02	43.2	2.1
W6239	MMS-1	D-3	20	<5	21	<5	473	162	635	1.17	6.36	0.43
W6240	MMS-1	D-4	88	<5	20	<5	382	274	656	0.71	#VALUE!	0.88
W6241	MMS-1	M-1	23	5	17	<5	245	216	461	1.07	8	1.06
W6242	MMS-1	M-2	26	<5	26	<5	283	228	511	1.32	19.73	0.97
W6243	MMS-1	M-3	55	7	7	<5	1115	325	1440	1.3	3.06	0.32
W6244	MMS-1	M-4	107	16	15	<5	1469	424	1893	1.17	7.83	0.32
RW7734	MMS-2	C-1	84	14	14	C	233	249	482	0.24	4.65	1.16
RW7735	MMS-2	C-2	182	27	0	C	297	441	738	0.28	3.84	1.71
RW7736	MMS-2	C-3	85	11	0	C	306	222	528	0.29	3.74	0.77
RW7737	MMS-2	C-4	458	63	0	C	457	1448	1905	0.39	6.65	3.53
RW7738	MMS-2	D-1	10	13	0	C	205	117	322	0.2	2.23	0.63
RW7739	MMS-2	D-2	15	0	0	C	184	115	299	0.08	4.43	0.68
RW7740	MMS-2	D-3	165	36	20	C	305	430	735	0.28	4.11	1.94
RW7741	MMS-2	D-4	23	5	17	C	167	264	431	0.16	1.29	1.68
RW7742	MMS-2	M-1	68	11	99	C	263	310	573	0.72	4.01	1.25
RW7743	MMS-2	M-2	181	29	0	C	409	364	773	0.41	5.47	1.03
RW7744	MMS-2	M-3	0	0	0	0	205	84	289	0.85	6.22	0.41
RW7745	MMS-2	M-4	26	0	13	C	251	114	365	0.82	9.59	0.48

A-12

HIGH MOLECULAR WEIGHT HYDROCARBONS - ALKANES

C-Possible coelution of non-hydrocarbon peak

A-13

FILE #	CRUISE	TRANSECT -STATION	ALKANE RATIOS		LOW END PERCENTAGES						DATE
			PRIS/ PHYT	PRIS/ N-C17	PHYT/ N-C18	N-C17/ N-C18	N-C16-C18/ N-C19-C22	N-C16/ N-C16-C22	N-C17/ N-C16-C22	N-C18/ N-C16-C22	
L4525	MMS-0	C-1	0	0	0.44	1.31	0.78	12.1	18.1	13.8	11/7/88
L4526	MMS-0	C-2	2.2	3.67	0.42	0.25	0.49	11.4	4.3	17.1	11/7/88
L4527	MMS-0	C-3	1.67	2.19	1.4	1.07	0.38	6.8	10.8	10.1	11/7/88
L4528	MMS-0	C-4	3.24	1.06	0.21	0.65	0.67	8.6	12.5	19.1	11/7/88
L4529	MMS-0	D-2	0.73	0.8	0.42	0.38	1.12	18.9	9.4	24.5	11/7/88
L4530	MMS-0	D-3	1.56	1.56	0.69	0.69	0.78	12.7	12.7	18.3	11/7/88
L4531	MMS-0	D-4	2	2.8	0.41	0.29	0.53	8.3	6	20.2	11/7/88
L4532	MMS-0	M-1	0.67	0.22	0.5	1.5	0.28	4.5	10.2	6.8	11/7/88
L4533	MMS-0	M-2	2	0.8	0.29	0.71	0.81	13.2	13.2	18.4	11/7/88
L4534	MMS-0	M-3	1.1	1.22	0.32	0.29	0.69	12.7	6.3	21.8	11/7/88
L4535	MMS-0	M-4	2	2.92	1.12	0.76	0.35	4.9	9.1	11.9	11/7/88
W6233	MMS-1	C-1	0.77	0.14	0.37	2.1	4.7	27.5	37.2	17.7	2/22/88
W6234	MMS-1	C-2	0.59	0.09	0.66	4.12	20.03	45.8	39.8	9.7	2/22/88
W6235	MMS-1	C-3	0.65	0.13	0.82	4.17	10.07	41.9	39.6	9.5	2/22/88
W6236	MMS-1	C-4	0.73	0.12	0.68	4.21	8.37	43.4	37.1	8.8	2/22/88
W6237	MMS-1	D-1	0	0	#VALUE!	#VALUE!	7.2	56.1	31.7	0	2/22/88
W6238	MMS-1	D-2	0.55	0.19	1.38	4	7.18	43.3	35.6	8.9	2/22/88
W6239	MMS-1	D-3	1	0.4	0.92	2.34	5.61	30.2	38.3	16.4	2/22/88
W6240	MMS-1	D-4	3.38	0.67	0.31	1.56	5.47	36.7	29.1	18.7	
W6241	MMS-1	M-1	0.83	0.38	1.64	3.57	3	36.9	29.8	8.3	2/22/88
W6242	MMS-1	M-2	0.81	0.34	1.69	4.06	3.89	36	34.9	8.6	2/22/88
W6243	MMS-1	M-3	0.9	0.18	0.88	4.47	10.95	43.8	39.1	8.8	2/22/88
W6244	MMS-1	M-4	0.82	0.17	0.82	4.05	13.88	47	37.1	9.2	2/22/88
RW7734	MMS-2	C-1	0.5	0.43	0.12	0.14	2.23	15.7	6.7	46.7	5/7/88
RW7735	MMS-2	C-2	0.7	1.14	0.16	0.1	2.71	9.4	5.7	58	5/7/88
RW7736	MMS-2	C-3	0.8	0.3	0.08	0.21	2.96	18.1	9.7	46.9	5/7/88
RW7737	MMS-2	C-4	0.96	0.41	0.18	0.42	2.01	17.4	14.5	34.8	5/7/88
RW7738	MMS-2	D-1	2.8	0.93	0.05	0.14	4.2	13.2	8.2	59.3	5/7/88
RW7739	MMS-2	D-2	1	1.14	0.07	0.06	11.92	18.5	4.2	69.6	5/7/88
RW7740	MMS-2	D-3	1.63	3.25	0.25	0.13	3.37	10.7	7.5	58.9	5/7/88
RW7741	MMS-2	D-4	1	0.5	0.05	0.1	4.7	11	6.5	64.9	5/7/88
RW7742	MMS-2	M-1	1.14	1.14	0.06	0.06	3.82	7.9	4.3	67.1	5/7/88
RW7743	MMS-2	M-2	1.7	0.89	0.14	0.27	1.66	10.6	11.1	40.8	5/7/88
RW7744	MMS-2	M-3	#VALUE!	#VALUE!	0	0	#VALUE!	10.8	0	89.2	5/7/88
RW7745	MMS-2	M-4	1.4	0.7	0.05	0.1	3.46	9	6.4	62.2	5/7/88

## Trace Metals



## TRACE METALS

Sample #:	Ag (ppb)	As (ppm)	Ba (ppm)	Cd (ppb)	Cr (ppm)	Cu (ppm)	Fe (%)	Hg (ppb)	Mn (ppm)	Ni (ppm)	Pb (ppm)	Sb (ppm)	Se (ppm)	Sn (ppm)	Tl (ppm)	Zn (ppm)
<b>CRUISE 0</b>																
I-C-1	49	12	333	49	47	8	2.20	66	346	8	15	0.58	<0.5	1.9	0.34	55
I-C-2	18	1	150	19	15	2	0.66	15	141	3	5	0.40	<0.5	0.4	0.10	20
I-C-3	92	15	895	130	84	22	4.20	83	1239	27	33	1.20	<0.5	3.3	0.60	126
I-C-4	118	14	890	204	84	23	4.20	96	664	31	34	1.30	0.6	2.9	0.55	124
I-D-2	22	7	<18	90	13	1	1.13	28	202	4	2	0.38	<0.5	0.1	0.06	10
I-D-3	12	5	125	83	35	8	2.47	22	264	14	5	0.34	0.9	0.1	0.21	42
I-D-4	49	4	195	148	52	17	1.79	41	371	23	11	0.65	1.2	1.3	0.32	56
I-M-1	11	3	70	13	7.2	1	0.32	8	65	1	2	0.17	<0.5	0.4	0.06	11
I-M-2	11	2	44	4	5.7	1	0.26	8	40	1	2	0.18	<0.5	<0.1	0.03	8
I-M-3	39	6	170	50	30	6	2.34	24	367	10	10	0.43	<0.5	1.4	0.13	55
I-M-4	56	8	525	143	76	23	3.58	70	329	31	33	1.10	0.6	4.4	0.52	71
<b>CRUISE 1</b>																
II-C-1	47	12	310	52	45	8	2.02	27	334	15	15	0.45	<0.5	1.0	0.09	48
II-C-2	53	10	510	70	62	11	2.80	47	481	18	24	0.55	<0.5	1.4	0.22	90
II-C-3	76	9	910	140	79	23	3.80	63	433	28	30	0.80	<0.5	2.2	0.20	137
II-C-4	112	10	770	179	86	22	4.10	81	148	39	40	0.90	0.6	2.2	0.17	154
II-D 1	<10	2	55	4	16	1	0.20	7	12	4	2	<0.10	<0.5	<0.1	0.08	<2
II-D-2	<10	1	10	4	5	1	0.13	7	20	1	<1	<0.10	<0.5	0.3	0.06	<2
II-D-3	<10	10	50	59	23	15	2.39	16	484	9	9	0.45	1.2	0.4	0.16	25
II-D-4	21	3	140	162	48	19	1.64	44	302	20	9	0.55	1.1	0.8	0.16	55
II-M-1	19	1	75	4	15	1	0.35	<5	47	1	<1	0.18	<0.5	0.1	0.10	2
II-M-2	<10	2	95	11	14	1	0.49	8	74	1	1	0.20	<0.5	0.1	0.13	7
II-M-3	<10	5	180	54	36	12	2.40	22	271	15	11	0.45	<0.5	0.9	0.15	59
II-M-4	99	8	510	126	72	19	3.38	85	200	43	32	0.90	0.8	1.6	0.17	79

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TRACE METALS

Sample #:	Ag (ppb)	As (ppm)	Cd (ppb)	Cr (ppm)	Cu (ppm)	Fe (%)	Hg (ppb)	Mn (ppm)	Ni (ppm)	Pb (ppm)	Se (ppm)	Sn (ppm)	Zn (ppm)
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CRUISE 2

III-C-1	12	15	23	36	5	1.75	66.	201	11	14	<0.5	0.3	50
III-C-2	35	17	64	60	13	3.21	43.	495	22	21	<0.5	1.5	97
III-C-3	23	6	50	41	10	2.27	39.	168	13	18	<0.5	1.2	73
III-C-4	157	15	99	79	23	4.32	113.	324	24	38	0.8	2.0	134
III-D-1	11	5	8	1	1	0.04	30.	17	<1	1	<0.5	<0.1	6
III-D-2	< 10	3	11	1	1	0.14	<5.	23	<1	2	<0.5	<0.1	7
III-D-3	< 10	12	31	14	2	1.52	44.	349	11	8	1.6	0.2	27
III-D-4	48	5	105	42	15	1.52		312	22	16	0.8	0.4	59
III-M-1	< 10	4	21	2	1	0.17	<5.	52	5	2	<0.5	<0.1	8
III-M-2	45	2	11	7	1	0.30	49.	38	7	3	<0.5	0.7	11
III-M-3	36	4	48	36	6	2.51	21.	325	14	12	<0.5	1.8	58
III-M-4	90	8	101	75	18	3.57	93.	480	27	29	0.7	2.6	97

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## Sediment Analysis

**Sediment Texture**  
**Cruise 1**

Cruise No. MMS 1987  
 Sample No. C1/1

Total Weight 32.1747

Weight >4ph 12.5394  
 Weight <4ph 19.6353

Phi Size	Dry Wt Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol) Wt	Mat. in Size	Weight %	Cum Wt %	Coa	Overall Wt %
Total	<b>27.6672</b>	<b>27.412</b>	0.2552	<b>0.250788</b>	<b>12.5394</b>	xxx	xxx	<b>61.03%</b>		
4.5	<b>27.6687</b>	<b>27.4831</b>	0.1856	<b>0.181188</b>	<b>9.0594</b>	3.48	<b>27.75%</b>	<b>71.84%</b>		<b>10.82%</b>
5	<b>29.1838</b>	<b>29.0238</b>	0.16	<b>0.155588</b>	<b>7.7794</b>	1.28	<b>10.21%</b>	<b>75.82%</b>		<b>3.98%</b>
5.5	<b>28.0348</b>	<b>25.8912</b>	0.1434	<b>0.138988</b>	<b>6.9494</b>	0.83	<b>6.62%</b>	<b>78.40%</b>		<b>2.58%</b>
6	<b>29.448</b>	<b>29.3136</b>	0.1324	<b>0.127988</b>	<b>6.3994</b>	0.55	<b>4.39%</b>	<b>80.11%</b>		<b>1.71%</b>
7	<b>28.6716</b>	<b>28.5558</b>	0.1158	<b>0.111388</b>	<b>5.5694</b>	0.83	<b>6.62%</b>	<b>82.69%</b>		<b>2.58%</b>
8	<b>25.8659</b>	<b>25.7671</b>	0.0988	<b>0.094388</b>	<b>4.7194</b>	0.85	<b>6.78%</b>	<b>85.33%</b>		<b>2.64%</b>
9	<b>27.9914</b>	<b>27.9009</b>	0.0905	<b>0.086088</b>	<b>4.3044</b>	0.415	<b>3.31%</b>	<b>86.62%</b>		<b>1.29%</b>
10	<b>28.13</b>	<b>28.0577</b>	0.0723	<b>0.067888</b>	<b>3.3944</b>	0.91	<b>7.26%</b>	<b>89.45%</b>		<b>2.83%</b>
						3.3944	<b>27.07%</b>			<b>10.55%</b>

A-23

US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.2169	56.7906	2.5737	13.11%	8.00%		
10	-1 to -1.5	51.9133	51.9717	0.0584	0.30%	0.18%		
14	-0.5 to -1	49.5837	49.6528	0.0691	0.35%	0.21%		
18	0 to -0.5	45.999	46.0529	0.0539	0.27%	0.17%		% Gravel 8.18%
25	0.5 to 0.0	41.9593	42.005	0.0457	0.23%	0.14%		% Sand 49.65%
35	1.0 to 0.5	43.842	43.886	0.044	0.22%	0.14%		% Silt 24.31%
45	1.5 to 1.0	39.6166	39.7758	0.1592	0.81%	0.49%		% Clay 14.67%
60	2.0 to 1.5	40.2507	40.5902	0.3395	1.73%	1.06%		% Sieve loss 0.16%
80	2.5 to 2.0	35.8971	36.591	0.6939	3.53%	2.16%		% Total 96.97%
120	3.0 to 2.5	34.6776	35.6168	0.9392	4.78%	2.92%		
170	3.5 to 3.0	34.0544	40.3396	6.2852	32.01%	19.53%		
230	4.0 to 3.5	33.7748	41.1213	7.3465	37.41%	22.83%		
Pan	>4.0	21.2823	22.2591	0.9768				
			Coarse Fract	18.6585				
			Sieve Total	18.6083				
			Sieve Loss	0.0502				

Cruise No. MMS 1987  
 Sample No. C1/2

Total Weight 32.2981

Weight >4ph 13.0944  
 Weight <4ph 19.2037

Phi Size	Dry Wt	Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol)	Wt Mat. in Siz	Weight %	Cum Wt %	Coar	Overall Wt %
Total		<b>29.1229</b>	<b>28.8566</b>	<b>0.2663</b>	<b>0.261888</b>	<b>13.0944</b>	<b>xxx</b>	<b>xxx</b>	<b>59.46%</b>		
4.5		<b>26.9691</b>	<b>26.7985</b>	<b>0.1906</b>	<b>0.186188</b>	<b>9.3094</b>	<b>3.785</b>	<b>28.91%</b>	<b>71.18%</b>		<b>11.72%</b>
5		<b>27.0577</b>	<b>26.8912</b>	<b>0.1665</b>	<b>0.162088</b>	<b>8.1044</b>	<b>1.205</b>	<b>9.20%</b>	<b>74.91%</b>		<b>3.73%</b>
5.5		<b>29.2174</b>	<b>29.0689</b>	<b>0.1485</b>	<b>0.144088</b>	<b>7.2044</b>	<b>0.9</b>	<b>6.87%</b>	<b>77.69%</b>		<b>2.79%</b>
6		<b>26.9155</b>	<b>26.7771</b>	<b>0.1384</b>	<b>0.133988</b>	<b>6.6994</b>	<b>0.505</b>	<b>3.86%</b>	<b>79.26%</b>		<b>1.56%</b>
7		<b>29.4963</b>	<b>29.3743</b>	<b>0.122</b>	<b>0.117588</b>	<b>5.8794</b>	<b>0.82</b>	<b>6.26%</b>	<b>81.80%</b>		<b>2.54%</b>
8		<b>29.2436</b>	<b>29.1394</b>	<b>0.1042</b>	<b>0.099788</b>	<b>4.9894</b>	<b>0.89</b>	<b>6.80%</b>	<b>84.55%</b>		<b>2.76%</b>
9		<b>26.763</b>	<b>26.6872</b>	<b>0.0958</b>	<b>0.091388</b>	<b>4.5694</b>	<b>0.42</b>	<b>3.21%</b>	<b>85.85%</b>		<b>1.30%</b>
10		<b>26.8853</b>	<b>26.8112</b>	<b>0.0741</b>	<b>0.069688</b>	<b>3.4844</b>	<b>1.085</b>	<b>8.29%</b>	<b>89.21%</b>		<b>3.36%</b>
							<b>3.4844</b>	<b>26.61%</b>			<b>10.79%</b>

US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.2178	54.3707	0.1529	0.80%	0.47%		
10	-1 to -1.5	51.9138	51.966	0.0522	0.27%	0.16%		
14	-0.5 to -1	49.5851	49.6154	0.0303	0.16%	0.09%		
18	0 to -0.5	46.001	46.035	0.034	0.18%	0.11%	% Gravel	0.63%
25	0.5 to 0.0	41.9603	41.9902	0.0299	0.16%	0.09%	% Sand	55.99%
35	1.0 to 0.5	43.8436	43.8714	0.0278	0.14%	0.09%	% Silt	25.10%
45	1.5 to 1.0	39.6196	39.8	0.1804	0.94%	0.56%	% Clay	15.45%
60	2.0 to 1.5	40.2556	40.7433	0.4877	2.54%	1.51%	% Sieve loss	0.08%
80	2.5 to 2.0	35.8962	36.7927	0.8965	4.67%	2.78%	% Total	97.25%
120	3.0 to 2.5	34.6756	35.9846	1.309	6.82%	4.05%		
170	3.5 to 3.0	34.0481	41.9104	7.8623	40.94%	24.34%		
230	4.0 to 3.5	33.768	40.9918	7.2238	37.62%	22.37%		
Pan	>4.0	21.2804	22.1704	0.89				

Coarse Fract 18.3137  
 Sieve Total 18.2868  
 Sieve Loss 0.0269

A-24

Cruise No. MMS 1987  
 Sample No. C1/3

Total Weight 28.0582  
 Weight >4ph 10.6144  
 Weight <4ph 17.4438

Phi Size	Dry Wt Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol) Wt	Mat. In Siz	Weight %	Cum Wt % Coar	Overall Wt %
Total	<b>29.0451</b>	<b>28.8284</b>	0.2167	0.212288	10.6144	x.xx	x.xx	62.17%	
4.5	<b>28.0827</b>	27.9211	0.1616	0.157188	7.8594	2.755	25.96%	71.99%	9.82%
5	<b>28.2587</b>	28.117	0.1417	0.137288	6.8644	0.995	9.37%	75.54%	3.55%
5.5	<b>28.0777</b>	27.9519	0.1258	0.121388	6.0694	0.795	7.49%	78.37%	2.83%
6	<b>27.8827</b>	27.5457	0.117	0.112588	5.6294	0.44	4.15%	79.94%	1.57%
7	<b>27.308</b>	27.204	0.104	0.099588	4.9794	0.65	6.12%	82.25%	2.32%
8	<b>28.9758</b>	28.8877	0.0881	0.083688	4.1844	0.795	7.49%	85.09%	2.83%
9	<b>28.9472</b>	<b>28.8663</b>	0.0809	0.076488	3.8244	0.36	3.39%	86.37%	1.28%
10	<b>28.5458</b>	28.4816	0.0642	0.059788	2.9894	0.835	7.87%	89.35%	2.98%
						2.9894	28.16%		10.65%

US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.2169	54.2913	0.0744	0.43%	0.27%		
10	-1 to -1.5	51.9133	51.9642	0.0509	0.29%	0.18%		
14	-0.5 to -1	49.5842	49.6489	0.0647	0.37%	0.23%	% Gravel	0.45%
18	0 to -0.5	45.9996	46.0772	0.0776	0.44%	0.28%	% Sand	57.37%
25	0.5 to 0.0	41.9593	42.0311	0.0718	0.41%	0.26%	% Silt	22.92%
35	1.0 to 0.5	43.8432	43.8895	0.0463	0.27%	0.17%	% Clay	14.91%
45	1.5 to 1.0	39.618	39.8191	0.2011	1.15%	0.72%	% Sieve loss	0.08%
60	2.0 to 1.5	40.255	40.6319	0.3769	2.16%	1.34%		
80	2.5 to 2.0	35.8976	36.621	0.7234	4.15%	2.58%	% Total	95.73%
120	3.0 to 2.5	34.6763	35.6502	0.9739	5.58%	3.47%		
170	3.5 to 3.0	34.0532	40.2541	6.2009	35.55%	22.10%		
230	4.0 to 3.5	33.7661	41.1218	7.3557	42.17%	26.22%		
Pan	>4.0	21.2868	22.4919	1.2051				
			Coarse Fract	16.2387				
			Sieve Total	16.2176				
			Sieve Loss	0.0211				

A-25

Cruise No. MMS 1987  
 Sample No. C1/4

Total Weight 32.6718

Weight >4ph 10.9994  
 Weight <4ph 21.6724

Phi Size	Dry Wt	Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol)	Wt Mat. in Siz	Weight %	Cum Wt %	Coar	Overall Wt %
Total			28.2988	28.0722	0.2244	0.219988	10.9994	xxx	xxx	66.33%	
4.5			28.3981	28.2317	0.1664	0.161988	8.0994	2.9	26.37%	75.21%	8.88%
5			28.621	28.4744	0.1466	0.142188	7.1094	0.99	9.00%	78.24%	3.03%
5.5			29.3737	29.2433	0.1304	0.125988	6.2994	0.81	7.36%	80.72%	2.48%
6			28.6551	26.534	0.1211	0.116688	5.8344	0.465	4.23%	82.14%	1.42%
7			28.3813	26.2729	0.1084	0.103988	5.1994	0.635	5.77%	84.09%	1.94%
8			28.1709	28.0791	0.0918	0.087388	4.3694	0.83	7.55%	86.63%	2.54%
9			28.5008	28.4167	0.0839	0.079488	3.9744	0.395	3.59%	87.84%	1.21%
10			30.2923	30.2265	0.0658	0.061388	3.0694	0.905	8.23%	90.61%	2.77%
							3.0694	27.91%			9.39%

US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.2472	54.2472	0	0.00%	0.00%		
10	-1 to -1.5	51.9251	51.9643	0.0392	0.18%	0.12%		
14	-0.5 to -1	49.5948	49.6206	0.0258	0.12%	0.08%	% Gravel	0.12%
18	0 to -0.5	46.0029	46.0646	0.0617	0.28%	0.19%	% Sand	61.53%
25	0.5 to 0.0	41.9625	42.0219	0.0594	0.27%	0.18%	% Silt	20.29%
35	1.0 to 0.5	43.8482	43.8833	0.0351	0.16%	0.11%	% Clay	13.37%
45	1.5 to 1.0	39.615	39.7999	0.1849	0.85%	0.57%	% Sieve loss	0.05%
60	2.0 to 1.5	40.2481	40.6379	0.3898	1.80%	1.19%		
80	2.5 to 2.0	35.8967	36.6897	0.793	3.66%	2.43%	% Total	95.36%
120	3.0 to 2.5	34.6749	35.747	1.0721	4.95%	3.28%		
170	3.5 to 3.0	34.0536	42.9621	8.9085	41.11%	27.27%		
230	4.0 to 3.5	33.7602	42.3316	8.5714	39.55%	26.23%		
Pan	>4.0	21.2732	22.7877	1.5145				

Coarse Fract 20.1579  
 Sieve Total 20.1409  
 Sieve Loss 0.017

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Cruise No. MMS 1987  
 Sample No. C1/5

Total Weight 31.5503

Weight >4ph 11.9394  
 Weight <4ph 19.6109

Phi Size	Dry Wt Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol) Wt Mat.	In Sizr	Weight %	Cum Wt %	Coar	Overall Wt %
Total	<b>29.551</b>	29.3078	0.2432	0.238788	11.9394	xxx	xxx	62.16%		
4.5	<b>28.3809</b>	28.1881	0.1928	0.188388	9.4194	2.52	21.11%	70.14%		7.99%
5	<b>29.2481</b>	29.0804	0.1677	0.163288	8.1644	1.255	10.51%	74.12%		3.98%
5.5	<b>25.828</b>	25.676	0.152	0.147588	7.3794	0.785	6.57%	76.61%		2.49%
6	<b>29.9295</b>	29.7901	0.1394	0.134988	6.7494	0.63	5.28%	78.61%		2.00%
7	<b>28.6811</b>	28.5568	0.1243	0.119888	5.9944	0.755	6.32%	81.00%		2.39%
8	<b>28.7838</b>	28.6781	0.1055	0.101088	5.0544	0.94	7.87%	83.98%		2.98%
9	<b>27.9835</b>	27.8959	0.0976	0.093188	4.6594	0.395	3.31%	85.23%		1.25%
10	<b>30.3048</b>	30.2316	0.073	0.068588	3.4294	1.23	10.30%	89.13%		3.90%
						3.4294	28.72%			10.87%

US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.2178	54.2398	0.022	0.11%	0.07%		
10	-1 to -1.5	51.915	51.9439	0.0289	0.15%	0.09%		
14	-0.5 to -1	49.5851	49.6103	0.0252	0.13%	0.08%	% Gravel	0.16%
18	0 to -0.5	46.0024	46.0351	0.0327	0.17%	0.10%	% Sand	57.47%
25	0.5 to 0.0	41.961	41.996	0.035	0.18%	0.11%	% Silt	21.83%
35	1.0 to 0.5	43.8445	43.8764	0.0319	0.16%	0.10%	% Clay	16.02%
45	1.5 to 1.0	39.6221	39.7934	0.1713	0.87%	0.54%	% Sieve loss	0.08%
60	2.0 to 1.5	40.2587	40.6353	0.3766	1.92%	1.19%		
80	2.5 to 2.0	35.8986	36.6698	0.7712	3.93%	2.44%	% Total	95.56%
120	3.0 to 2.5	34.6756	35.8964	1.2208	6.23%	3.87%		
170	3.5 to 3.0	34.05	41.8644	7.8144	39.85%	24.77%		
230	4.0 to 3.5	33.7484	41.4042	7.6558	39.04%	24.27%		
Pan	>4.0	21.2761	22.6761	1.4				
			Coarse Fract	18.2109				
			Sieve Total	18.1858				
			Sieve Loss	0.0251				

A-27

Cruise No. MMS 1987  
 Sample No. C1/6

Total Weight 42.9378

Weight >4ph 16.3994  
 Weight <4ph 26.5384

Phi Size	Dry Wt Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol) Wt	Mat. in Siz	Weight %	Cum Wt %	Coal Overall Wt %
Total	<del>28.0882</del>	27.7658	0.3324	0.327988	16.3994	xxx	xxx	61.81%	
4.5	<del>29.6687</del>	29.4378	0.2309	0.226488	11.3244	5.075	30.95%	73.63%	11.82%
5	<del>28.4807</del>	28.2669	0.2138	0.209388	10.4694	0.855	5.21%	75.62%	1.99%
5.5	<del>28.6828</del>	28.4882	0.1946	0.190188	9.5094	0.96	5.85%	77.85%	2.24%
6	<del>29.2568</del>	29.0774	0.1794	0.174988	8.7494	0.76	4.63%	79.62%	1.77%
7	<del>27.5259</del>	27.3721	0.1538	0.149388	7.4694	1.28	7.81%	82.60%	2.98%
8	<del>27.5082</del>	27.412	0.0942	0.089788	4.4894	2.98	18.17%	89.54%	6.94%
9	<del>27.5438</del>	27.4831	0.0605	0.056088	2.8044	1.685	10.27%	93.47%	3.92%
10	<del>29.0594</del>	29.0238	0.0356	0.031188	1.5594	1.245	7.59%	96.37%	2.90%
						1.5594	9.51%		3.63%

US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.2319	54.2331	0.0012	0.00%	0.00%		
10	-1 to -1.5	51.932	52.0335	0.1015	0.38%	0.24%		
14	-0.5 to -1	49.6015	49.705	0.1035	0.39%	0.24%	% Gravel	0.24%
18	0 to -0.5	46.01	46.1186	0.1086	0.41%	0.25%	% Sand	58.79%
25	0.5 to 0.0	41.9695	42.0369	0.0674	0.25%	0.16%	% Silt	27.74%
35	1.0 to 0.5	43.8545	43.9004	0.0459	0.17%	0.11%	% Clay	10.45%
45	1.5 to 1.0	39.618	39.8264	0.2084	0.79%	0.49%	% Sieve loss	0.01%
60	2.0 to 1.5	40.2582	40.8177	0.5595	2.11%	1.30%		
80	2.5 to 2.0	35.8998	37.177	1.2772	4.81%	2.97%	% Total	97.23%
120	3.0 to 2.5	34.69	36.4052	1.7152	6.46%	3.99%		
170	3.5 to 3.0	34.0564	44.6107	10.5543	39.77%	24.58%		
230	4.0 to 3.5	33.7671	44.3732	10.6061	39.97%	24.70%		
Pan	>4.0	21.274	22.4602	1.1862				

Coarse Fract 25.3522  
 Sieve Total 25.3488  
 Sieve Loss 0.0034

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Cruise No. MMS 1987  
 Sample No. C2/1

Total Weight 24.1402  
 Weight >4ph 18.1544  
 Weight <4ph 5.9858

Phi Size	Dry Wt	Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol)	Wt Mat. in Siz	Weight %	Cum Wt %	Coar	Overall Wt %
Total			<b>28.1333</b>	<b>27.7658</b>	<b>0.3675</b>	<b>0.363088</b>	<b>18.1544</b>	<b>xxx</b>	<b>xxx</b>		<b>24.80%</b>
4.5			<b>29.7492</b>	<b>29.4378</b>	<b>0.3114</b>	<b>0.306988</b>	<b>15.3494</b>	<b>2.805</b>	<b>15.45%</b>		<b>36.42%</b>
5			<b>28.5674</b>	<b>28.2669</b>	<b>0.3005</b>	<b>0.296088</b>	<b>14.8044</b>	<b>0.545</b>	<b>3.00%</b>		<b>38.67%</b>
5.5			<b>28.7889</b>	<b>28.4882</b>	<b>0.2787</b>	<b>0.274288</b>	<b>13.7144</b>	<b>1.09</b>	<b>6.00%</b>		<b>43.19%</b>
6			<b>29.3387</b>	<b>29.0774</b>	<b>0.2613</b>	<b>0.256888</b>	<b>12.8444</b>	<b>0.87</b>	<b>4.79%</b>		<b>46.79%</b>
7			<b>27.597</b>	<b>27.3721</b>	<b>0.2249</b>	<b>0.220488</b>	<b>11.0244</b>	<b>1.82</b>	<b>10.03%</b>		<b>54.33%</b>
8			<b>28.3518</b>	<b>28.2886</b>	<b>0.0632</b>	<b>0.058788</b>	<b>2.9394</b>	<b>8.085</b>	<b>44.53%</b>		<b>87.82%</b>
9			<b>28.9428</b>	<b>28.8976</b>	<b>0.045</b>	<b>0.040588</b>	<b>2.0294</b>	<b>0.91</b>	<b>5.01%</b>		<b>91.59%</b>
10			<b>27.601</b>	<b>27.572</b>	<b>0.029</b>	<b>0.024588</b>	<b>1.2294</b>	<b>0.8</b>	<b>4.41%</b>		<b>94.91%</b>
							<b>1.2294</b>	<b>6.77%</b>			<b>5.09%</b>

US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.2064	<b>54.2351</b>	0.0287	0.48%	0.12%		
10	-1 to -1.5	51.9008	<b>51.9479</b>	0.0471	0.79%	0.20%		
14	-0.5 to -1	49.5731	<b>49.5994</b>	0.0263	0.44%	0.11%	% Gravel	0.32%
18	0 to -0.5	45.9903	<b>46.0361</b>	0.0458	0.77%	0.19%	% Sand	23.83%
25	0.5 to 0.0	41.9526	<b>42.0081</b>	0.0555	0.89%	0.22%	% Silt	63.03%
35	1.0 to 0.5	43.8468	<b>43.8868</b>	0.04	0.67%	0.17%	% Clay	12.17%
45	1.5 to 1.0	39.6021	<b>39.8095</b>	0.2074	3.46%	0.86%	% Sieve loss	0.31%
60	2.0 to 1.5	40.2634	<b>40.7312</b>	0.4678	7.82%	1.94%		
80	2.5 to 2.0	35.9149	<b>36.7581</b>	0.8432	14.09%	3.49%	% Total	99.66%
120	3.0 to 2.5	34.7337	<b>35.6377</b>	0.904	15.10%	3.74%		
170	3.5 to 3.0	34.048	<b>36.1086</b>	2.0606	34.42%	8.54%		
230	4.0 to 3.5	33.752	<b>34.8542</b>	1.1022	18.41%	4.57%		
Pan	>4.0	21.3258	<b>21.4099</b>	0.0841				
			Coarse Fract	5.9017				
			Sieve Total	5.8266				
			Sieve Loss	0.0751				

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Cruise No. MMS 1987  
 Sample No. C2/2

Total Weight 26.382

Weight >4ph 19.8944  
 Weight <4ph 6.4878

Phi Size	Dry Wt Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol) Wt Mat.	In Size	Weight %	Cum Wt %	Coar	Overall Wt %
Total	<b>27.8143</b>	27.412	0.4023	0.397888	19.8944	xxx	xxx	24.59%		
4.5	<b>27.8391</b>	27.4831	0.356	0.351588	17.5794	2.315	11.64%	33.37%		8.77%
5	<b>29.3638</b>	29.0238	0.3398	0.335388	16.7694	0.81	4.07%	36.44%		3.07%
5.5	<b>28.2089</b>	25.8912	0.3157	0.311288	15.5644	1.205	6.06%	41.00%		4.57%
6	<b>29.6117</b>	29.3136	0.2981	0.293688	14.6844	0.88	4.42%	44.34%		3.34%
7	<b>28.8219</b>	28.5558	0.2661	0.261688	13.0844	1.6	8.04%	50.40%		6.06%
8	<b>25.8278</b>	25.7671	0.0607	0.056288	2.8144	10.27	51.62%	89.33%		38.93%
9	<b>27.9444</b>	27.9009	0.0435	0.039088	1.9544	0.86	4.32%	92.59%		3.26%
10	<b>28.0655</b>	28.0577	0.0278	0.023388	1.1694	0.785	3.95%	95.57%		2.98%
						1.1694	5.88%			4.43%

US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.2064	<b>54.2677</b>	0.0613	0.94%	0.23%		
10	-1 to -1.5	51.9008	<b>51.9595</b>	0.0587	0.90%	0.22%		
14	-0.5 to -1	49.5731	<b>49.6071</b>	0.034	0.52%	0.13%	% Gravel	0.45%
18	0 to -0.5	45.9903	<b>46.0327</b>	0.0424	0.65%	0.16%	% Sand	23.02%
25	0.5 to 0.0	41.9526	<b>41.9844</b>	0.0318	0.49%	0.12%	% Silt	64.74%
35	1.0 to 0.5	43.8468	<b>43.8717</b>	0.0249	0.38%	0.09%	% Clay	10.67%
45	1.5 to 1.0	39.6021	<b>39.7542</b>	0.1521	2.34%	0.58%	% Sieve loss	0.02%
60	2.0 to 1.5	40.2634	<b>40.6732</b>	0.4098	6.32%	1.55%		
80	2.5 to 2.0	35.9149	<b>36.7459</b>	0.831	12.81%	3.15%	% Total	98.90%
120	3.0 to 2.5	34.7337	<b>35.6481</b>	0.9144	14.09%	3.47%		
170	3.5 to 3.0	34.048	<b>36.2371</b>	2.1891	33.74%	8.30%		
230	4.0 to 3.5	33.752	<b>35.1951</b>	1.4431	22.24%	5.47%		
Pan	>4.0	21.3258	<b>21.6149</b>	0.2891				
			Coarse Fract	6.1985				
			Sieve Total	6.1926				
			Sieve Loss	0.0059				

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Cruise No. MMS 1987  
 Sample No. C2/3

Total Weight 25.9415

Weight >4ph 18.4544  
 Weight <4ph 7.4871

Phi Size	Dry Wt Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol) Wt	Mat. in Siz	Weight %	Cum Wt %	Coa	Overall Wt %
Total	<b>29.2301</b>	<b>28.8566</b>	<b>0.3735</b>	<b>0.369088</b>	<b>18.4544</b>	<b>xxx</b>	<b>xxx</b>	<b>28.86%</b>		
4.5	<b>27.122</b>	<b>26.7985</b>	<b>0.3235</b>	<b>0.319088</b>	<b>15.9544</b>	<b>2.5</b>	<b>13.55%</b>	<b>38.50%</b>		<b>9.64%</b>
5	<b>27.2021</b>	<b>26.8912</b>	<b>0.3109</b>	<b>0.306488</b>	<b>15.3244</b>	<b>0.63</b>	<b>3.41%</b>	<b>40.93%</b>		<b>2.43%</b>
5.5	<b>29.3588</b>	<b>29.0689</b>	<b>0.2897</b>	<b>0.285288</b>	<b>14.2644</b>	<b>1.06</b>	<b>5.74%</b>	<b>45.01%</b>		<b>4.09%</b>
6	<b>27.0489</b>	<b>26.7771</b>	<b>0.2718</b>	<b>0.267388</b>	<b>13.3694</b>	<b>0.895</b>	<b>4.85%</b>	<b>48.46%</b>		<b>3.45%</b>
7	<b>29.6091</b>	<b>29.3743</b>	<b>0.2348</b>	<b>0.230388</b>	<b>11.5194</b>	<b>1.85</b>	<b>10.02%</b>	<b>55.59%</b>		<b>7.13%</b>
8	<b>29.2052</b>	<b>29.1394</b>	<b>0.0658</b>	<b>0.061388</b>	<b>3.0694</b>	<b>8.45</b>	<b>45.79%</b>	<b>88.17%</b>		<b>32.57%</b>
9	<b>28.7337</b>	<b>26.6872</b>	<b>0.0465</b>	<b>0.042088</b>	<b>2.1044</b>	<b>0.965</b>	<b>5.23%</b>	<b>91.89%</b>		<b>3.72%</b>
10	<b>28.8413</b>	<b>26.8112</b>	<b>0.0301</b>	<b>0.025688</b>	<b>1.2844</b>	<b>0.82</b>	<b>4.44%</b>	<b>95.05%</b>		<b>3.16%</b>
						<b>1.2844</b>	<b>6.96%</b>			<b>4.95%</b>

US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Weight %	Overall Wt %		
7	-1.5 to -2	54.2064	54.2349	0.0285	0.38%	0.11%	
10	-1 to -1.5	51.9008	51.9245	0.0237	0.32%	0.09%	
14	-0.5 to -1	49.5731	49.6079	0.0348	0.46%	0.13%	% Gravel
18	0 to -0.5	45.9903	46.0296	0.0393	0.52%	0.15%	% Sand
25	0.5 to 0.0	41.9526	41.9915	0.0389	0.52%	0.15%	% Silt
35	1.0 to 0.5	43.8468	43.8785	0.0317	0.42%	0.12%	% Clay
45	1.5 to 1.0	39.6021	39.7648	0.1627	2.17%	0.63%	% Sieve loss
60	2.0 to 1.5	40.2634	40.68	0.4166	5.56%	1.61%	
80	2.5 to 2.0	35.9149	36.749	0.8341	11.14%	3.22%	% Total
120	3.0 to 2.5	34.7337	35.8775	1.1438	15.28%	4.41%	
170	3.5 to 3.0	34.048	36.7997	2.7517	36.75%	10.61%	
230	4.0 to 3.5	33.752	35.4121	1.6601	22.17%	6.40%	
Pan	>4.0	21.3258	21.6437	0.3179			
			Coarse Fract	7.1692			
			Sieve Total	7.1659			
			Sieve Loss	0.0033			

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Cruise No. MMS 1987  
 Sample No. C2/4

Total Weight 26.6643

Weight >4ph 19.1294  
 Weight <4ph 7.5349

Phi Size	Dry Wt Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol) Wt	Mat. In Siz	Weight %	Cum Wt % Coa	Overall Wt %
Total	<b>29.2154</b>	<b>28.8284</b>	0.387	0.382588	19.1294	xxx	xxx	28.26%	
4.5	<b>28.2598</b>	27.9211	0.3385	0.334088	16.7044	2.425	12.68%	37.35%	9.09%
5	<b>28.4408</b>	28.117	0.3236	0.319188	15.9594	0.745	3.89%	40.15%	2.79%
5.5	<b>28.2538</b>	27.9519	0.3019	0.297488	14.8744	1.085	5.67%	44.22%	4.07%
6	<b>27.8317</b>	27.5457	0.286	0.281588	14.0794	0.795	4.16%	47.20%	2.98%
7	<b>27.4541</b>	27.204	0.2501	0.245688	12.2844	1.795	9.38%	53.93%	6.73%
8	<b>28.9402</b>	28.8877	0.0525	0.048088	2.4044	9.88	51.65%	90.98%	37.05%
9	<b>28.9062</b>	28.8663	0.0399	0.035488	1.7744	0.63	3.29%	93.35%	2.36%
10	<b>28.5108</b>	28.4816	0.029	0.024588	1.2294	0.545	2.85%	95.39%	2.04%
						1.2294	6.43%		4.61%

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.2064	54.2377	0.0313	0.42%	0.12%		
10	-1 to -1.5	51.9008	51.9524	0.0516	0.68%	0.19%		
14	-0.5 to -1	49.5731	49.615	0.0419	0.56%	0.16%	% Gravel	0.31%
18	0 to -0.5	45.9903	46.0446	0.0543	0.72%	0.20%	% Sand	26.57%
25	0.5 to 0.0	41.9526	42.0109	0.0583	0.77%	0.22%	% Silt	62.71%
35	1.0 to 0.5	43.8468	43.8866	0.0398	0.53%	0.15%	% Clay	9.01%
45	1.5 to 1.0	39.6021	39.7848	0.1827	2.42%	0.69%	% Sieve loss	0.03%
60	2.0 to 1.5	40.2634	40.7278	0.4644	6.16%	1.74%		
80	2.5 to 2.0	35.9149	36.8565	0.9416	12.50%	3.53%	% Total	98.63%
120	3.0 to 2.5	34.7337	35.9097	1.176	15.61%	4.41%		
170	3.5 to 3.0	34.048	36.4052	2.3572	31.28%	8.84%		
230	4.0 to 3.5	33.752	35.5195	1.7675	23.46%	6.63%		
Pan	>4.0	21.3258	21.6853	0.3595				
			Coarse Fract	7.1754				
			Sieve Total	7.1666				
			Sieve Loss	0.0088				

Cruise No. MMS 1987  
 Sample No. C2/5

Total Weight 27.2183

Weight >4ph 19.1344  
 Weight <4ph 8.0839

Phi Size	Dry Wt Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol) Wt	Mat. in Stz	Weight %	Cum Wt %	Coar	Overall Wt %
Total	<b>28.4593</b>	28.0722	0.3871	0.382688	19.1344	xxx	xxx	29.70%		
4.5	<b>28.5748</b>	28.2317	0.3429	0.338488	16.9244	2.21	11.55%	37.82%		8.12%
5	<b>28.8019</b>	28.4744	0.3275	0.323088	16.1544	0.77	4.02%	40.65%		2.83%
5.5	<b>29.5477</b>	29.2433	0.3044	0.299988	14.9994	1.155	6.04%	44.89%		4.24%
6	<b>28.8215</b>	26.534	0.2875	0.283088	14.1544	0.845	4.42%	48.00%		3.10%
7	<b>28.5284</b>	26.2729	0.2535	0.249088	12.4544	1.7	8.88%	54.24%		6.25%
8	<b>28.1387</b>	28.0791	0.0596	0.055188	2.7594	9.695	50.67%	89.86%		35.62%
9	<b>28.4593</b>	28.4167	0.0426	0.038188	1.9094	0.85	4.44%	92.98%		3.12%
10	<b>30.2543</b>	30.2265	0.0278	0.023388	1.1694	0.74	3.87%	95.70%		2.72%
						1.1694	6.11%			4.30%

US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.2064	54.3451	0.1387	1.72%	0.51%		
10	-1 to -1.5	51.9008	51.9445	0.0437	0.54%	0.16%		
14	-0.5 to -1	49.5731	49.6326	0.0595	0.74%	0.22%	% Gravel	0.67%
18	0 to -0.5	45.9903	46.0396	0.0493	0.61%	0.18%	% Sand	26.96%
25	0.5 to 0.0	41.9526	41.9939	0.0413	0.51%	0.15%	% Silt	60.16%
35	1.0 to 0.5	43.8468	43.8747	0.0279	0.35%	0.10%	% Clay	10.14%
45	1.5 to 1.0	39.6021	39.7331	0.131	1.62%	0.48%	% Sieve loss	-0.01%
60	2.0 to 1.5	40.2634	40.6046	0.3412	4.22%	1.25%		
80	2.5 to 2.0	35.9149	36.7208	0.8059	9.97%	2.96%	% Total	97.92%
120	3.0 to 2.5	34.7337	35.8292	1.0955	13.55%	4.02%		
170	3.5 to 3.0	34.048	36.6995	2.6515	32.80%	9.74%		
230	4.0 to 3.5	33.752	35.8923	2.1403	26.48%	7.86%		
Pan	>4.0	21.3258	21.886	0.5602				
			Coarse Fract	7.5237				
			Sieve Total	7.5258				
			Sieve Loss	-0.0021				

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Cruise No. MMS 1987  
 Sample No. C2/6

Total Weight 24.5816

Weight >4ph 18.1444  
 Weight <4ph 6.4372

Phi Size	Dry Wt Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol) Wt	Mat. In Siz	Weight %	Cum Wt % Coar	Overall Wt %
Total	<b>29.6751</b>	29.3078	0.3673	0.362888	18.1444	xxx	xxx	26.19%	
4.5	<b>28.5113</b>	28.1881	0.3232	0.318788	15.9394	2.205	12.15%	35.16%	8.97%
5	<b>29.3875</b>	29.0804	0.3071	0.302688	15.1344	0.805	4.44%	38.43%	3.27%
5.5	<b>25.9628</b>	25.676	0.2866	0.282188	14.1094	1.025	5.65%	42.60%	4.17%
6	<b>30.059</b>	29.7901	0.2689	0.264488	13.2244	0.885	4.88%	46.20%	3.60%
7	<b>28.7928</b>	28.5568	0.2358	0.231388	11.5694	1.655	9.12%	52.93%	6.73%
8	<b>31.5794</b>	<b>31.472</b>	0.1074	0.102988	5.1494	6.42	35.38%	79.05%	26.12%
9	<b>27.9565</b>	27.8959	0.0606	0.056188	2.8094	2.34	12.90%	88.57%	9.52%
10	<b>30.2848</b>	30.2316	0.0332	0.028788	1.4394	1.37	7.55%	94.14%	5.57%
						1.4394	7.93%		5.86%

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.2064	54.2329	0.0265	0.41%	0.11%		
10	-1 to -1.5	51.9008	51.924	0.0232	0.36%	0.09%		
14	-0.5 to -1	49.5731	49.5971	0.024	0.37%	0.10%	% Gravel	0.20%
18	0 to -0.5	45.9903	46.0323	0.042	0.65%	0.17%	% Sand	24.55%
25	0.5 to 0.0	41.9526	41.9825	0.0299	0.46%	0.12%	% Silt	52.86%
35	1.0 to 0.5	43.8468	43.8687	0.0219	0.34%	0.09%	% Clay	20.95%
45	1.5 to 1.0	39.6021	39.7162	0.1141	1.77%	0.46%	% Sieve loss	0.02%
60	2.0 to 1.5	40.2634	40.5817	0.3183	4.94%	1.29%		
80	2.5 to 2.0	35.9149	36.6084	0.6935	10.77%	2.82%	% Total	98.58%
120	3.0 to 2.5	34.7337	35.6074	0.8737	13.57%	3.55%		
170	3.5 to 3.0	34.048	36.147	2.099	32.61%	8.54%		
230	4.0 to 3.5	33.752	35.5731	1.8211	28.29%	7.41%		
Pan	>4.0	21.3258	21.6714	0.3456				
			Coarse Fract	6.0916				
			Sieve Total	6.0872				
			Sieve Loss	0.0044				



Cruise No. MMS 1987  
 Sample No. C3/1

Total Weight 22.6382

Weight >4ph 22.1694  
 Weight <4ph 0.4688

Phi Size	Dry Wt Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol)	Wt Size Range	Weight %	Cum Wt % Coar	Overall Wt %
Total	<b>28.2138</b>	<b>27.7658</b>	0.4478	0.443388	22.1694		xxx	2.07%	
4.5	<b>29.8508</b>	<b>29.4378</b>	0.4128	0.408388	20.4194	1.75	7.89%	9.80%	7.73%
5	<b>28.6708</b>	<b>28.2669</b>	0.4037	0.399288	19.9644	0.455	2.05%	11.81%	2.01%
5.5	<b>28.8893</b>	<b>28.4882</b>	0.3811	0.376688	18.8344	1.13	5.10%	16.80%	4.99%
6	<b>29.4405</b>	<b>29.0774</b>	0.3631	0.358688	17.9344	0.9	4.06%	20.78%	3.98%
7	<b>27.8943</b>	<b>27.3721</b>	0.3222	0.317788	15.8894	2.045	9.22%	29.81%	9.03%
8	<b>28.4791</b>	<b>28.2886</b>	0.1905	0.186088	9.3044	6.585	29.70%	58.90%	29.09%
9	<b>29.0084</b>	<b>28.8976</b>	0.1088	0.104388	5.2194	4.085	18.43%	76.94%	18.04%
10	<b>27.8217</b>	<b>27.572</b>	0.0497	0.045288	2.2644	2.955	13.33%	90.00%	13.05%
						2.2644	10.21%		10.00%

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.2265	<b>54.2265</b>	0	0.00%	0.00%		
10	-1 to -1.5	51.9237	<b>51.9304</b>	0.0067	1.43%	0.03%		
14	-0.5 to -1	49.593	<b>49.6015</b>	0.0085	1.81%	0.04%	% Gravel	0.03%
18	0 to -0.5	46.0021	<b>46.0048</b>	0.0027	0.58%	0.01%	% Sand	1.96%
25	0.5 to 0.0	41.9615	<b>41.9868</b>	0.0051	1.09%	0.02%	% Silt	56.83%
35	1.0 to 0.5	43.8452	<b>43.8474</b>	0.0022	0.47%	0.01%	% Clay	41.09%
45	1.5 to 1.0	39.6145	<b>39.6468</b>	0.0323	6.89%	0.14%	% Sieve loss	0.07%
60	2.0 to 1.5	40.2557	<b>40.3054</b>	0.0497	10.60%	0.22%		
80	2.5 to 2.0	35.8956	<b>35.9571</b>	0.0615	13.12%	0.27%	% Total	99.98%
120	3.0 to 2.5	34.6773	<b>34.7881</b>	0.1108	23.63%	0.49%		
170	3.5 to 3.0	34.044	<b>34.1643</b>	0.1203	25.66%	0.53%		
230	4.0 to 3.5	33.7625	<b>33.815</b>	0.0525	11.20%	0.23%		
Pan	>4.0	21.2715	<b>21.2715</b>	0				

Coarse Fract 0.4688  
 Sieve Total 0.4523  
 Sieve Loss 0.0165

Cruise No. MMS 1987  
 Sample No. C3/2

Total Weight 21.6851

Weight >4ph 21.2444  
 Weight <4ph 0.4407

Phi Size	Dry Wt Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol) Wt Mat.	in Size	Weight %	Cum Wt % Coa	Overall Wt %
Total	<b>27.8413</b>	27.412	0.4293	0.424888	21.2444	xxx	xxx	2.03%	
4.5	<b>27.8842</b>	27.4831	0.4011	0.396688	19.8344	1.41	6.64%	8.53%	6.50%
5	<b>29.4147</b>	29.0238	0.3909	0.386488	19.3244	0.51	2.40%	10.89%	2.35%
5.5	<b>28.2809</b>	25.8912	0.3697	0.365288	18.2644	1.06	4.99%	15.77%	4.89%
6	<b>29.6668</b>	29.3136	0.3532	0.348788	17.4394	0.825	3.88%	19.58%	3.80%
7	<b>28.8668</b>	28.5558	0.314	0.309588	15.4794	1.96	9.23%	28.62%	9.04%
8	<b>28.0065</b>	25.7671	0.2394	0.234988	11.7494	3.73	17.56%	45.82%	17.20%
9	<b>28.1009</b>	27.9009	0.2	0.195588	9.7794	1.97	9.27%	54.90%	9.08%
10	<b>28.1385</b>	28.0577	0.0808	0.076388	3.8194	5.96	28.05%	82.39%	27.48%
						3.8194	17.98%		17.61%

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.227	<b>54.227</b>	0	0.00%	0.00%		
10	-1 to -1.5	51.9234	<b>51.9282</b>	0.0048	1.09%	0.02%		
14	-0.5 to -1	49.5928	<b>49.5961</b>	0.0033	0.75%	0.02%	% Gravel	0.02%
18	0 to -0.5	46.0021	<b>46.0032</b>	0.0011	0.25%	0.01%	% Sand	1.98%
25	0.5 to 0.0	41.9615	<b>41.9628</b>	0.0013	0.29%	0.01%	% Silt	43.78%
35	1.0 to 0.5	43.8449	<b>43.8464</b>	0.0015	0.34%	0.01%	% Clay	54.17%
45	1.5 to 1.0	39.611	<b>39.6368</b>	0.0258	5.85%	0.12%	% Sieve loss	0.04%
60	2.0 to 1.5	40.2502	<b>40.2939</b>	0.0437	9.92%	0.20%		
80	2.5 to 2.0	35.8909	<b>35.9448</b>	0.0539	12.23%	0.25%	% Total	99.99%
120	3.0 to 2.5	34.6746	<b>34.7747</b>	0.1001	22.71%	0.46%		
170	3.5 to 3.0	34.0413	<b>34.1705</b>	0.1292	29.32%	0.60%		
230	4.0 to 3.5	33.7584	<b>33.8239</b>	0.0655	14.86%	0.30%		
Pan	>4.0	21.2715	<b>21.2724</b>	0.0009				
			Coarse Fract	0.4398				
			Sieve Total	0.4302				
			Sieve Loss	0.0096				

Cruise No. MMS 1987  
 Sample No. C3/3

Total Weight 23.3769

Weight >4ph 22.8194  
 Weight <4ph 0.5575

Phi Size	Dry Wt Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol) Wt Mat.	In Szs Weight %	Cum Wt % Coar	Overall Wt %
Total	<b>29.3174</b>	28.8566	0.4608	0.456388	22.8194	xxx	2.38%	
4.5	<b>27.2282</b>	26.7985	0.4297	0.425288	21.2644	1.555	9.04%	6.65%
5	<b>27.312</b>	26.8912	0.4208	0.416388	20.8194	0.445	10.94%	1.90%
5.5	<b>29.4671</b>	29.0689	0.3982	0.393788	19.6894	1.13	15.77%	4.83%
6	<b>27.1571</b>	26.7771	0.38	0.375588	18.7794	0.91	19.67%	3.89%
7	<b>29.7131</b>	29.3743	0.3388	0.334388	16.7194	2.06	28.48%	8.81%
8	<b>29.3565</b>	29.1394	0.2171	0.212688	10.6344	6.085	54.51%	26.03%
9	<b>26.8146</b>	26.6872	0.1274	0.122988	6.1494	4.485	73.69%	19.19%
10	<b>26.8657</b>	26.8112	0.0545	0.050088	2.5044	3.645	89.29%	15.59%
					2.5044	10.97%		10.71%

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.2266	54.2266	0	0.00%	0.00%		
10	-1 to -1.5	51.9229	51.9229	0	0.00%	0.00%		
14	-0.5 to -1	49.5921	49.5923	0.0002	0.04%	0.00%	% Gravel	0.00%
18	0 to -0.5	46.0015	46.0029	0.0014	0.25%	0.01%	% Sand	2.38%
25	0.5 to 0.0	41.9607	41.962	0.0013	0.23%	0.01%	% Silt	52.11%
35	1.0 to 0.5	43.8446	43.8476	0.003	0.54%	0.01%	% Clay	45.49%
45	1.5 to 1.0	39.6096	39.6455	0.0359	6.44%	0.15%	% Sieve loss	0.00%
60	2.0 to 1.5	40.2476	40.3142	0.0666	11.95%	0.28%		
80	2.5 to 2.0	35.89	35.9792	0.0892	16.00%	0.38%	% Total	99.98%
120	3.0 to 2.5	34.6754	34.8204	0.145	26.01%	0.62%		
170	3.5 to 3.0	34.0413	34.1993	0.158	28.34%	0.68%		
230	4.0 to 3.5	33.7584	33.8151	0.0567	10.17%	0.24%		
Pan	>4.0	21.2697	21.2697	0				
			Coarse Fract	0.5575				
			Sieve Total	0.5573				
			Sieve Loss	0.0002				

Cruise No. MMS 1987  
 Sample No. C3/4

Total Weight 21.7157

Weight >4ph 21.2644  
 Weight <4ph 0.4513

Phi Size	Dry Wt Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol) Wt Mat.	in Siz	Weight %	Cum Wt % Coar	Overall Wt %
Total	<b>29.2581</b>	<b>28.8284</b>	<b>0.4297</b>	<b>0.425288</b>	<b>21.2644</b>	xxx	xxx	<b>2.08%</b>	
4.5	<b>28.3231</b>	<b>27.9211</b>	<b>0.402</b>	<b>0.397588</b>	<b>19.8794</b>	<b>1.385</b>	<b>6.51%</b>	<b>8.46%</b>	<b>6.38%</b>
5	<b>28.5118</b>	<b>28.117</b>	<b>0.3948</b>	<b>0.390388</b>	<b>19.5194</b>	<b>0.36</b>	<b>1.69%</b>	<b>10.11%</b>	<b>1.66%</b>
5.5	<b>28.3259</b>	<b>27.9519</b>	<b>0.374</b>	<b>0.369588</b>	<b>18.4794</b>	<b>1.04</b>	<b>4.89%</b>	<b>14.90%</b>	<b>4.79%</b>
6	<b>27.9029</b>	<b>27.5457</b>	<b>0.3572</b>	<b>0.352788</b>	<b>17.6394</b>	<b>0.84</b>	<b>3.95%</b>	<b>18.77%</b>	<b>3.87%</b>
7	<b>27.5184</b>	<b>27.204</b>	<b>0.3144</b>	<b>0.309988</b>	<b>15.4994</b>	<b>2.14</b>	<b>10.06%</b>	<b>28.63%</b>	<b>9.85%</b>
8	<b>29.1064</b>	<b>28.8877</b>	<b>0.2187</b>	<b>0.214288</b>	<b>10.7144</b>	<b>4.785</b>	<b>22.50%</b>	<b>50.66%</b>	<b>22.03%</b>
9	<b>29.0174</b>	<b>28.8663</b>	<b>0.1511</b>	<b>0.146688</b>	<b>7.3344</b>	<b>3.38</b>	<b>15.90%</b>	<b>66.23%</b>	<b>15.56%</b>
10	<b>28.5413</b>	<b>28.4816</b>	<b>0.0597</b>	<b>0.055288</b>	<b>2.7644</b>	<b>4.57</b>	<b>21.49%</b>	<b>87.27%</b>	<b>21.04%</b>
						<b>2.7644</b>	<b>13.00%</b>		<b>12.73%</b>

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.2243	54.2243	0	0.00%	0.00%		
10	-1 to -1.5	51.9216	51.9216	0	0.00%	0.00%		
14	-0.5 to -1	49.5903	49.5914	0.0011	0.24%	0.01%	% Gravel	0.00%
18	0 to -0.5	45.9995	46.0014	0.0019	0.42%	0.01%	% Sand	1.98%
25	0.5 to 0.0	41.959	41.9634	0.0044	0.97%	0.02%	% Silt	48.58%
35	1.0 to 0.5	43.8433	43.8465	0.0032	0.71%	0.01%	% Clay	49.33%
45	1.5 to 1.0	39.6093	39.6315	0.0222	4.92%	0.10%	% Sieve loss	0.07%
60	2.0 to 1.5	40.2457	40.2836	0.0379	8.40%	0.17%		
80	2.5 to 2.0	35.8885	35.9633	0.0748	16.57%	0.34%	% Total	99.96%
120	3.0 to 2.5	34.6766	34.7953	0.1187	26.30%	0.55%		
170	3.5 to 3.0	34.0413	34.1614	0.1201	26.61%	0.55%		
230	4.0 to 3.5	33.758	33.8065	0.0485	10.75%	0.22%		
Pan	>4.0	21.2697	21.2732	0.0035				
			Coarse Fract	0.4478				
			Sieve Total	0.4328				
			Sieve Loss	0.015				

Cruise No. MMS 1987  
 Sample No. C3/5

Total Weight 22.8159

Weight >4ph 22.2594  
 Weight <4ph 0.5565

Phi Size	Dry Wt Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol) Wt	Mat. in Siz	Weight %	Cum Wt %	Coar	Overall Wt %
Total	<b>28.5218</b>	<b>28.0722</b>	0.4496	0.445188	22.2594	xxx	xxx	2.44%		
4.5	<b>28.6554</b>	<b>28.2317</b>	0.4237	0.419288	20.9644	1.295	5.82%	8.11%		5.68%
5	<b>28.884</b>	<b>28.4744</b>	0.4096	0.405188	20.2594	0.705	3.17%	11.20%		3.09%
5.5	<b>29.6324</b>	<b>29.2433</b>	0.3891	0.384688	19.2344	1.025	4.60%	15.70%		4.49%
6	<b>26.9072</b>	<b>26.534</b>	0.3732	0.368788	18.4394	0.795	3.57%	19.18%		3.48%
7	<b>26.6082</b>	<b>26.2729</b>	0.3353	0.330888	16.5444	1.895	8.51%	27.49%		8.31%
8	<b>26.3148</b>	<b>28.0791</b>	0.2357	0.231288	11.5644	4.98	22.37%	49.31%		21.83%
9	<b>26.5747</b>	<b>28.4167</b>	0.158	0.153588	7.6794	3.885	17.45%	66.34%		17.03%
10	<b>30.2855</b>	<b>30.2265</b>	0.059	0.054588	2.7294	4.95	22.24%	88.04%		21.70%
						2.7294	12.26%			11.96%

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.2365	54.2398	0.0033	0.59%	0.01%		
10	-1 to -1.5	51.9349	51.9383	0.0034	0.61%	0.01%		
14	-0.5 to -1	49.604	49.6085	0.0045	0.81%	0.02%	% Gravel	0.02%
18	0 to -0.5	46.0124	46.0154	0.003	0.54%	0.01%	% Sand	2.38%
25	0.5 to 0.0	41.9716	41.978	0.0064	1.15%	0.03%	% Silt	46.88%
35	1.0 to 0.5	43.856	43.8604	0.0044	0.79%	0.02%	% Clay	50.69%
45	1.5 to 1.0	39.6207	39.6606	0.0399	7.17%	0.17%	% Sieve loss	0.02%
60	2.0 to 1.5	40.2593	40.3198	0.0605	10.87%	0.27%		
80	2.5 to 2.0	35.9008	35.9764	0.0756	13.58%	0.33%	% Total	99.99%
120	3.0 to 2.5	34.6928	34.8256	0.1328	23.86%	0.58%		
170	3.5 to 3.0	34.0555	34.2049	0.1494	26.85%	0.65%		
230	4.0 to 3.5	33.7692	33.8369	0.0677	12.17%	0.30%		
Pan	>4.0	21.2766	21.2777	0.0011				
			Coarse Fract	0.5554				
			Sieve Total	0.5509				
			Sieve Loss	0.0045				

Cruise No. MMS 1987  
 Sample No. C3/6

Total Weight 24.1379

Weight >4ph 23.6144  
 Weight <4ph 0.5235

Phi Size	Dry Wt Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol) Wt Mat.	in Siz	Weight %	Cum Wt %	Coar	Overall Wt %
Total	<b>29.7845</b>	29.3078	0.4767	0.472288	23.6144	xxx	xxx	2.17%		
4.5	<b>28.6335</b>	28.1881	0.4454	0.440988	22.0494	1.565	6.63%	8.65%		6.48%
5	<b>29.5119</b>	29.0804	0.4315	0.427088	21.3544	0.695	2.94%	11.53%		2.88%
5.5	<b>28.0853</b>	25.676	0.4093	0.404888	20.2444	1.11	4.70%	16.13%		4.60%
6	<b>30.1822</b>	29.7901	0.3921	0.387688	19.3844	0.86	3.64%	19.69%		3.56%
7	<b>28.9059</b>	28.5568	0.3491	0.344688	17.2344	2.15	9.10%	28.60%		8.91%
8	<b>31.6344</b>	31.472	0.1624	0.157988	7.8994	9.335	39.53%	67.27%		38.67%
9	<b>27.9855</b>	27.8959	0.0896	0.085188	4.2594	3.64	15.41%	82.35%		15.08%
10	<b>30.28</b>	30.2316	0.0484	0.043988	2.1994	2.06	8.72%	90.89%		8.53%
						2.1994	9.31%			9.11%

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.234	54.2419	0.0079	1.51%	0.03%		
10	-1 to -1.5	51.9335	51.9335	0	0.00%	0.00%		
14	-0.5 to -1	49.6024	49.6044	0.002	0.38%	0.01%	% Gravel	0.03%
18	0 to -0.5	46.0106	46.0185	0.0079	1.51%	0.03%	% Sand	2.12%
25	0.5 to 0.0	41.9701	41.9744	0.0043	0.82%	0.02%	% Silt	65.10%
35	1.0 to 0.5	43.8548	43.8601	0.0053	1.01%	0.02%	% Clay	32.72%
45	1.5 to 1.0	39.6187	39.6734	0.0547	10.45%	0.23%	% Sieve loss	0.02%
60	2.0 to 1.5	40.257	40.3407	0.0837	15.99%	0.35%		
80	2.5 to 2.0	35.8995	35.9693	0.0698	13.33%	0.29%	% Total	99.99%
120	3.0 to 2.5	34.69	34.792	0.102	19.48%	0.42%		
170	3.5 to 3.0	34.0536	34.1792	0.1256	23.99%	0.52%		
230	4.0 to 3.5	33.7684	33.8236	0.0552	10.54%	0.23%		
Pan	>4.0	21.2744	21.275	0.0006				
			Coarse Fract	0.5229				
			Sieve Total	0.5184				
			Sieve Loss	0.0045				

Cruise No. MMS 1987  
 Sample No. C4/1

Total Weight 29.7679

Weight >4ph 29.6794  
 Weight <4ph 0.0885

Phi Size	Dry Wt Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol) Wt	Size Range	Weight %	Cum Wt %	Coar	Overall Wt %
Total	<del>28.3638</del>	27.7658	0.598	0.593588	29.6794		xxx	0.30%		
4.5	<del>30.0305</del>	29.4378	0.5927	0.588288	29.4144	0.265	0.89%	1.19%		0.89%
5	<del>28.8516</del>	28.2669	0.5847	0.580288	29.0144	0.4	1.35%	2.53%		1.34%
5.5	<del>29.0441</del>	28.4882	0.5559	0.551488	27.5744	1.44	4.85%	7.37%		4.84%
6	<del>29.6147</del>	29.0774	0.5373	0.532888	26.6444	0.93	3.13%	10.49%		3.12%
7	<del>27.8349</del>	27.3721	0.4628	0.458388	22.9194	3.725	12.55%	23.01%		12.51%
8	<del>28.361</del>	28.2886	0.0724	0.067988	3.3994	19.52	65.77%	88.58%		65.57%
9	<del>28.9521</del>	28.8976	0.0545	0.050088	2.5044	0.895	3.02%	91.59%		3.01%
10	<del>27.6125</del>	27.572	0.0405	0.036088	1.8044	0.7	2.36%	93.94%		2.35%
						1.8044	6.08%			6.06%

A-41

US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.2121	<del>54.2121</del>	0	0.00%	0.00%		
10	-1 to -1.5	51.906	<del>51.906</del>	0	0.00%	0.00%		
14	-0.5 to -1	49.5783	<del>49.5807</del>	0.0024	2.71%	0.01%	% Gravel	0.00%
18	0 to -0.5	45.9942	<del>45.9946</del>	0.0004	0.45%	0.00%	% Sand	0.30%
25	0.5 to 0.0	41.958	<del>41.9598</del>	0.0018	2.03%	0.01%	% Silt	88.27%
35	1.0 to 0.5	43.8518	<del>43.8528</del>	0.001	1.13%	0.00%	% Clay	11.42%
45	1.5 to 1.0	39.6135	<del>39.6201</del>	0.0066	7.46%	0.02%	% Sieve loss	0.00%
60	2.0 to 1.5	40.3538	<del>40.361</del>	0.0072	8.14%	0.02%		
80	2.5 to 2.0	35.9656	<del>35.9804</del>	0.0148	16.72%	0.05%	% Total	99.99%
120	3.0 to 2.5	34.8448	<del>34.8614</del>	0.0166	18.76%	0.06%		
170	3.5 to 3.0	34.0454	<del>34.0719</del>	0.0265	29.94%	0.09%		
230	4.0 to 3.5	33.7318	<del>33.743</del>	0.0112	12.66%	0.04%		
Pan	>4.0	21.7734	<del>21.7734</del>	0				

Coarse Fract 0.0885  
 Sieve Total 0.0885  
 Sieve Loss -1.00059E-14

Cruise No. MMS 1987  
 Sample No. C4/2

Total Weight 34.8792

Weight >4ph 34.3544  
 Weight <4ph 0.5248

Phi Size	Dry Wt Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol)	Wt Mat. in Siz	Weight %	Cum Wt % Coar	Overall Wt %
Total	<b>28.1036</b>	27.412	0.6915	0.687088	34.3544	xxx	xxx	1.50%	
4.5	<b>28.1687</b>	27.4831	0.6856	0.681188	34.0594	0.295	0.86%	2.35%	0.85%
5	<b>29.7037</b>	29.0238	0.6799	0.675488	33.7744	0.285	0.83%	3.17%	0.82%
5.5	<b>28.5479</b>	25.8912	0.6567	0.652288	32.6144	1.16	3.38%	6.49%	3.33%
6	<b>29.9507</b>	29.3136	0.6371	0.632688	31.6344	0.98	2.85%	9.30%	2.81%
7	<b>29.1139</b>	28.5558	0.5581	0.553688	27.6844	3.95	11.50%	20.63%	11.32%
8	<b>25.8436</b>	25.7671	0.0764	0.071988	3.5994	24.085	70.11%	89.68%	69.05%
9	<b>27.9564</b>	27.9009	0.0555	0.051088	2.5544	1.045	3.04%	92.68%	3.00%
10	<b>28.0966</b>	28.0577	0.0409	0.036488	1.8244	0.73	2.12%	94.77%	2.09%
						1.8244	5.31%		5.23%

A-42

US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.2121	<b>54.551</b>	0.3389	64.58%	0.97%		
10	-1 to -1.5	51.906	<b>51.9334</b>	0.0274	5.22%	0.08%		
14	-0.5 to -1	49.5783	<b>49.5936</b>	0.0153	2.92%	0.04%	% Gravel	1.05%
18	0 to -0.5	45.9942	<b>45.9973</b>	0.0031	0.59%	0.01%	% Sand	0.45%
25	0.5 to 0.0	41.958	<b>41.9715</b>	0.0135	2.57%	0.04%	% Silt	88.18%
35	1.0 to 0.5	43.8518	<b>43.8544</b>	0.0026	0.50%	0.01%	% Clay	10.32%
45	1.5 to 1.0	39.6135	<b>39.6266</b>	0.0131	2.50%	0.04%	% Sieve loss	0.01%
60	2.0 to 1.5	40.3538	<b>40.3554</b>	0.0016	0.30%	0.00%		
80	2.5 to 2.0	35.9656	<b>35.9712</b>	0.0056	1.07%	0.02%	% Total	100.01%
120	3.0 to 2.5	34.731	<b>34.8121</b>	0.0811	15.45%	0.23%		
170	3.5 to 3.0	34.0454	<b>34.0619</b>	0.0165	3.14%	0.05%		
230	4.0 to 3.5	33.7281	<b>33.73</b>	0.0019	0.36%	0.01%		
Pan	>4.0	21.7734	<b>21.7738</b>	0.0004				
			Coarse Fract	0.5244				
			Sieve Total	0.5206				
			Sieve Loss	0.0038				



Cruise No. MMS 1987  
 Sample No. C4/3

Total Weight 26.2047

Weight >4ph 26.1494  
 Weight <4ph 0.0553

Phi Size	Dry Wt Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol) Wt	Mat. in Siz	Weight %	Cum Wt %	Coar	Overall Wt %
Total	<b>29.384</b>	28.8566	0.5274	0.522988	26.1494	xxx	xxx	0.21%		
4.5	<b>27.3215</b>	26.7985	0.523	0.518588	25.9294	0.22	0.84%	1.05%		0.84%
5	<b>27.4075</b>	26.8912	0.5163	0.511888	25.5944	0.335	1.28%	2.33%		1.28%
5.5	<b>29.558</b>	29.0689	0.4891	0.484688	24.2344	1.36	5.20%	7.52%		5.19%
6	<b>27.2428</b>	26.7771	0.4655	0.461088	23.0544	1.18	4.51%	12.02%		4.50%
7	<b>29.7898</b>	29.3743	0.4153	0.410888	20.5444	2.51	9.60%	21.60%		9.58%
8	<b>29.2343</b>	29.1394	0.0949	0.090488	4.5244	16.02	61.26%	82.73%		61.13%
9	<b>26.7491</b>	26.6872	0.0619	0.057488	2.8744	1.65	6.31%	89.03%		6.30%
10	<b>26.8495</b>	26.8112	0.0383	0.033888	1.6944	1.18	4.51%	93.53%		4.50%
						1.6944	6.48%			6.47%

A-43

US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.2121	54.2121	0	0.00%	0.00%		
10	-1 to -1.5	51.906	51.906	0	0.00%	0.00%		
14	-0.5 to -1	49.5783	49.5783	0	0.00%	0.00%	% Gravel	0.00%
18	0 to -0.5	45.9942	45.9946	0.0004	0.72%	0.00%	% Sand	0.18%
25	0.5 to 0.0	41.958	41.9588	0.0008	1.45%	0.00%	% Silt	82.52%
35	1.0 to 0.5	43.85	43.851	0.001	1.81%	0.00%	% Clay	17.27%
45	1.5 to 1.0	39.6038	39.61	0.0062	11.21%	0.02%	% Sieve loss	0.02%
60	2.0 to 1.5	40.2719	40.2808	0.0089	16.09%	0.03%		
80	2.5 to 2.0	35.9291	35.9428	0.0137	24.77%	0.05%	% Total	99.99%
120	3.0 to 2.5	34.731	34.7416	0.0106	19.17%	0.04%		
170	3.5 to 3.0	34.0454	34.0501	0.0047	8.50%	0.02%		
230	4.0 to 3.5	33.7229	33.7271	0.0042	7.59%	0.02%		
Pan	>4.0	21.7734	21.7734	0				
			Coarse Fract	0.0553				
			Sieve Total	0.0505				
			Sieve Loss	0.0048				

Cruise No. MMS 1987  
 Sample No. C4/5

Total Weight 18.616

Weight >4ph 18.5594  
 Weight <4ph 0.0566

Phi Size	Dry Wt	Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol)	Wt Mat. in Stz	Weight %	Cum Wt %	Coa	Overall Wt %
Total		<b>28.4478</b>	<b>28.0722</b>	<b>0.3756</b>	<b>0.371188</b>	<b>18.5594</b>	<b>xxx</b>	<b>xxx</b>	<b>0.30%</b>		
4.5		<b>28.6041</b>	<b>28.2317</b>	<b>0.3724</b>	<b>0.367988</b>	<b>18.3994</b>	<b>0.16</b>	<b>0.86%</b>	<b>1.16%</b>		<b>0.86%</b>
5		<b>28.8415</b>	<b>28.4744</b>	<b>0.3671</b>	<b>0.362688</b>	<b>18.1344</b>	<b>0.265</b>	<b>1.43%</b>	<b>2.59%</b>		<b>1.42%</b>
5.5		<b>29.598</b>	<b>29.2433</b>	<b>0.3547</b>	<b>0.350288</b>	<b>17.5144</b>	<b>0.62</b>	<b>3.34%</b>	<b>5.92%</b>		<b>3.33%</b>
6		<b>28.8728</b>	<b>26.534</b>	<b>0.3386</b>	<b>0.334188</b>	<b>16.7094</b>	<b>0.805</b>	<b>4.34%</b>	<b>10.24%</b>		<b>4.32%</b>
7		<b>28.5754</b>	<b>26.2729</b>	<b>0.3025</b>	<b>0.298068</b>	<b>14.9044</b>	<b>1.805</b>	<b>9.73%</b>	<b>19.94%</b>		<b>9.70%</b>
8		<b>28.2958</b>	<b>28.0791</b>	<b>0.2165</b>	<b>0.212088</b>	<b>10.6044</b>	<b>4.3</b>	<b>23.17%</b>	<b>43.04%</b>		<b>23.10%</b>
9		<b>28.5787</b>	<b>28.4167</b>	<b>0.162</b>	<b>0.157588</b>	<b>7.8794</b>	<b>2.725</b>	<b>14.68%</b>	<b>57.67%</b>		<b>14.64%</b>
10		<b>30.2884</b>	<b>30.2265</b>	<b>0.0619</b>	<b>0.057488</b>	<b>2.8744</b>	<b>5.005</b>	<b>26.97%</b>	<b>84.56%</b>		<b>26.89%</b>
							<b>2.8744</b>	<b>15.49%</b>			<b>15.44%</b>

US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.2112	54.2112	0	0.00%	0.00%		
10	-1 to -1.5	51.9058	51.9058	0	0.00%	0.00%		
14	-0.5 to -1	49.5781	49.5781	0	0.00%	0.00%		% Gravel 0.00%
18	0 to -0.5	45.9942	45.9944	0.0002	0.35%	0.00%		% Sand 0.30%
25	0.5 to 0.0	41.9568	41.9571	0.0003	0.53%	0.00%		% Silt 42.73%
35	1.0 to 0.5	43.8496	43.8525	0.0029	5.12%	0.02%		% Clay 56.97%
45	1.5 to 1.0	39.6024	39.6079	0.0055	9.72%	0.03%		% Sieve loss 0.00%
60	2.0 to 1.5	40.2639	40.272	0.0081	14.31%	0.04%		
80	2.5 to 2.0	35.9116	35.9244	0.0128	22.61%	0.07%		% Total 100.00%
120	3.0 to 2.5	34.7122	34.7239	0.0117	20.67%	0.06%		
170	3.5 to 3.0	34.0378	34.0485	0.0107	18.90%	0.06%		
230	4.0 to 3.5	33.724	33.7284	0.0044	7.77%	0.02%		
Pan	>4.0	21.3282	21.3282	0				

Coarse Fract 0.0566  
 Sieve Total 0.0566  
 Sieve Loss 9.998946E-15

A-44

Cruise No. MMS 1987  
 Sample No. C4/6

Total Weight 19.1272

Weight >4ph 19.0794  
 Weight <4ph 0.0478

Phi Size	Dry Wt Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol) Wt	Mat. In Size	Weight %	Cum Wt %	Coar	Overall Wt %
Total	<b>29.8838</b>	<b>29.3078</b>	<b>0.388</b>	<b>0.381588</b>	<b>19.0794</b>	xxx	xxx	<b>0.25%</b>		
4.5	<b>28.5721</b>	<b>28.1881</b>	<b>0.384</b>	<b>0.379588</b>	<b>18.9794</b>	<b>0.1</b>	<b>0.52%</b>	<b>0.77%</b>		<b>0.52%</b>
5	<b>29.4582</b>	<b>29.0804</b>	<b>0.3778</b>	<b>0.373388</b>	<b>18.6694</b>	<b>0.31</b>	<b>1.62%</b>	<b>2.39%</b>		<b>1.62%</b>
5.5	<b>28.038</b>	<b>25.676</b>	<b>0.362</b>	<b>0.357588</b>	<b>17.8794</b>	<b>0.79</b>	<b>4.14%</b>	<b>6.52%</b>		<b>4.13%</b>
6	<b>30.1345</b>	<b>29.7901</b>	<b>0.3444</b>	<b>0.339988</b>	<b>16.9994</b>	<b>0.88</b>	<b>4.61%</b>	<b>11.12%</b>		<b>4.60%</b>
7	<b>28.8618</b>	<b>28.5568</b>	<b>0.305</b>	<b>0.300588</b>	<b>15.0294</b>	<b>1.97</b>	<b>10.33%</b>	<b>21.42%</b>		<b>10.30%</b>
8	<b>31.6688</b>	<b>31.472</b>	<b>0.1968</b>	<b>0.192388</b>	<b>9.6194</b>	<b>5.41</b>	<b>28.36%</b>	<b>49.71%</b>		<b>28.28%</b>
9	<b>28.0259</b>	<b>27.8959</b>	<b>0.13</b>	<b>0.125588</b>	<b>6.2794</b>	<b>3.34</b>	<b>17.51%</b>	<b>67.17%</b>		<b>17.46%</b>
10	<b>30.2859</b>	<b>30.2316</b>	<b>0.0543</b>	<b>0.049888</b>	<b>2.4944</b>	<b>3.785</b>	<b>19.84%</b>	<b>86.96%</b>		<b>19.79%</b>
						<b>2.4944</b>	<b>13.07%</b>			<b>13.04%</b>

A-45

US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.2112	54.2112	0	0.00%	0.00%		
10	-1 to -1.5	51.9058	51.9058	0	0.00%	0.00%		
14	-0.5 to -1	49.5781	49.5784	0.0003	0.63%	0.00%	% Gravel	0.00%
18	0 to -0.5	45.9942	45.9959	0.0017	3.56%	0.01%	% Sand	0.24%
25	0.5 to 0.0	41.9568	41.9575	0.0007	1.46%	0.00%	% Silt	49.45%
35	1.0 to 0.5	43.8496	43.8512	0.0016	3.35%	0.01%	% Clay	50.29%
45	1.5 to 1.0	39.6024	39.6048	0.0024	5.02%	0.01%	% Sieve loss	0.02%
60	2.0 to 1.5	40.2639	40.2687	0.0048	10.04%	0.03%		
80	2.5 to 2.0	35.9116	35.9203	0.0087	18.20%	0.05%	% Total	100.00%
120	3.0 to 2.5	34.7122	34.7227	0.0105	21.97%	0.05%		
170	3.5 to 3.0	34.0378	34.0468	0.009	18.83%	0.05%		
230	4.0 to 3.5	33.724	33.7292	0.0052	10.88%	0.03%		
Pan	>4.0	21.3282	21.3282	0				

Coarse Fract 0.0478  
 Sieve Total 0.0449  
 Sieve Loss 0.0029

Cruise No. MMS 1987  
 Sample No. M1/1

Total Weight 40.7865

Weight >4ph 0.7194  
 Weight <4ph 40.0671

Phi Size	Dry Wt Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol) Wt	Mat. In Stz	Weight %	Cum Wt %	Coa	Overall Wt %
Total	<b>27.7846</b>	27.7658	0.0188	0.014388	0.7194	xxx	xxx	98.24%		
4.5	<b>29.4554</b>	29.4378	0.0176	0.013188	0.6594	0.06	8.34%	98.38%		0.15%
5	<b>28.2844</b>	28.2669	0.0175	0.013088	0.6544	0.005	0.70%	98.40%		0.01%
5.5	<b>28.5052</b>	28.4882	0.017	0.012588	0.6294	0.025	3.48%	98.46%		0.06%
6	<b>29.0941</b>	29.0774	0.0167	0.012288	0.6144	0.015	2.09%	98.49%		0.04%
7	<b>27.3887</b>	27.3721	0.0166	0.012188	0.6094	0.005	0.70%	98.51%		0.01%
8	<b>28.3052</b>	28.2886	0.0166	0.012188	0.6094	0	0.00%	98.51%		0.00%
9	<b>28.9133</b>	28.8976	0.0157	0.011288	0.5644	0.045	6.26%	98.62%		0.11%
10	<b>27.5877</b>	27.572	0.0157	0.011288	0.5644	-1.49991E-13	0.00%	98.62%		0.00%
						0.5644	78.45%			1.38%

A-4G

US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.2153	<b>54.2589</b>	0.0436	0.11%	0.11%		
10	-1 to -1.5	51.9062	<b>51.9292</b>	0.023	0.06%	0.06%		
14	-0.5 to -1	49.5802	<b>49.5971</b>	0.0169	0.04%	0.04%	% Gravel	0.17%
18	0 to -0.5	45.9956	<b>46.0188</b>	0.0232	0.06%	0.06%	% Sand	97.61%
25	0.5 to 0.0	41.961	<b>42.0021</b>	0.0411	0.10%	0.10%	% Silt	0.27%
35	1.0 to 0.5	43.8688	<b>43.9555</b>	0.0867	0.22%	0.21%	% Clay	1.49%
45	1.5 to 1.0	39.619	<b>46.1777</b>	6.5587	16.37%	16.08%	% Sieve loss	0.43%
60	2.0 to 1.5	40.2729	<b>49.6721</b>	9.3992	23.46%	23.04%		
80	2.5 to 2.0	35.8843	<b>52.8315</b>	16.9472	42.30%	41.55%	% Total	99.97%
120	3.0 to 2.5	34.6487	<b>40.422</b>	5.7733	14.41%	14.15%		
170	3.5 to 3.0	34.036	<b>34.937</b>	0.901	2.25%	2.21%		
230	4.0 to 3.5	33.7276	<b>33.798</b>	0.0684	0.17%	0.17%		
Pan	>4.0	21.7105	<b>21.7201</b>	0.0096				

Coarse Fract 40.0575  
 Sieve Total 39.8823  
 Sieve Loss 0.1752

Cruise No. MMS 1987  
 Sample No. M1/2

Total Weight 39.1149

Weight >4ph 0.9094  
 Weight <4ph 38.2055

Phi Size	Dry Wt Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol) Wt	Mat. in Siz	Weight %	Cum Wt % Coar	Overall Wt %
Total	<b>27.4348</b>	27.412	0.0228	0.018188	0.9094	xxx	xxx	97.68%	
4.5	<b>27.5048</b>	27.4831	0.0217	0.017288	0.8644	0.045	4.95%	97.79%	0.12%
5	<b>29.045</b>	29.0238	0.0212	0.016788	0.8394	0.025	2.75%	97.85%	0.06%
5.5	<b>25.912</b>	25.8912	0.0208	0.016388	0.8194	0.02	2.20%	97.91%	0.05%
6	<b>29.3342</b>	29.3136	0.0206	0.016188	0.8094	0.01	1.10%	97.93%	0.03%
7	<b>28.5758</b>	28.5558	0.0198	0.015388	0.7694	0.04	4.40%	98.03%	0.10%
8	<b>25.7868</b>	25.7671	0.0195	0.015088	0.7544	0.015	1.65%	98.07%	0.04%
9	<b>27.9202</b>	27.9009	0.0193	0.014888	0.7444	0.01	1.10%	98.10%	0.03%
10	<b>28.0752</b>	28.0577	0.0175	0.013088	0.6544	0.09	9.90%	98.33%	0.23%
						0.6544	71.96%		1.67%

US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.2153	<b>54.2822</b>	0.0469	0.12%	0.12%		
10	-1 to -1.5	51.9062	<b>51.9431</b>	0.0369	0.10%	0.09%		
14	-0.5 to -1	49.5802	<b>49.6091</b>	0.0289	0.08%	0.07%	% Gravel	0.21%
18	0 to -0.5	45.9956	<b>46.0625</b>	0.0669	0.18%	0.17%	% Sand	96.84%
25	0.5 to 0.0	41.961	<b>42.0357</b>	0.0747	0.20%	0.19%	% Silt	0.40%
35	1.0 to 0.5	43.8688	<b>43.9867</b>	0.0979	0.26%	0.25%	% Clay	1.93%
45	1.5 to 1.0	39.619	<b>44.6015</b>	4.9825	13.04%	12.74%	% Sieve loss	0.61%
60	2.0 to 1.5	40.2729	<b>47.6062</b>	7.3333	19.19%	18.75%		
80	2.5 to 2.0	35.8843	<b>50.1879</b>	14.3036	37.44%	36.57%	% Total	99.99%
120	3.0 to 2.5	34.6487	<b>43.7187</b>	9.07	23.74%	23.19%		
170	3.5 to 3.0	34.036	<b>35.8072</b>	1.7712	4.64%	4.53%		
230	4.0 to 3.5	33.7276	<b>33.8748</b>	0.147	0.38%	0.38%		
Pan	>4.0	21.7105	<b>21.719</b>	0.0085				
			Coarse Fract	38.197				
			Sieve Total	37.9598				
			Sieve Loss	0.2372				

A-47

Cruise No. MMS 1987  
 Sample No. M1/3

Total Weight 42.7005  
 Weight >4ph 1.0044  
 Weight <4ph 41.6961

Phi Size	Dry Wt	Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol)	Wt Mat. in Siz	Weight %	Cum Wt %	Coar	Overall Wt %
Total			<b>28.8811</b>	<b>28.8566</b>	<b>0.0245</b>	<b>0.020088</b>	<b>1.0044</b>	<b>xxx</b>	<b>xxx</b>		<b>97.65%</b>
4.5			<b>26.8215</b>	<b>26.7985</b>	<b>0.023</b>	<b>0.018588</b>	<b>0.9294</b>	<b>0.075</b>	<b>7.47%</b>		<b>97.82%</b> <b>0.18%</b>
5			<b>26.914</b>	<b>26.8912</b>	<b>0.0228</b>	<b>0.018388</b>	<b>0.9194</b>	<b>0.01</b>	<b>1.00%</b>		<b>97.85%</b> <b>0.02%</b>
5.5			<b>29.0916</b>	<b>29.0689</b>	<b>0.0227</b>	<b>0.018288</b>	<b>0.9144</b>	<b>0.005</b>	<b>0.50%</b>		<b>97.86%</b> <b>0.01%</b>
6			<b>26.7994</b>	<b>26.7771</b>	<b>0.0223</b>	<b>0.017888</b>	<b>0.8944</b>	<b>0.02</b>	<b>1.99%</b>		<b>97.91%</b> <b>0.05%</b>
7			<b>29.3963</b>	<b>29.3743</b>	<b>0.022</b>	<b>0.017588</b>	<b>0.8794</b>	<b>0.015</b>	<b>1.49%</b>		<b>97.94%</b> <b>0.04%</b>
8			<b>29.1611</b>	<b>29.1394</b>	<b>0.0217</b>	<b>0.017288</b>	<b>0.8644</b>	<b>0.015</b>	<b>1.49%</b>		<b>97.98%</b> <b>0.04%</b>
9			<b>26.7085</b>	<b>26.6872</b>	<b>0.0213</b>	<b>0.016888</b>	<b>0.8444</b>	<b>0.02</b>	<b>1.99%</b>		<b>98.02%</b> <b>0.05%</b>
10			<b>26.831</b>	<b>26.8112</b>	<b>0.0198</b>	<b>0.015388</b>	<b>0.7694</b>	<b>0.075</b>	<b>7.47%</b>		<b>98.20%</b> <b>0.18%</b>
							<b>0.7694</b>	<b>76.60%</b>			<b>1.80%</b>

A-48

US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.2153	54.2784	0.0631	0.15%	0.15%		
10	-1 to -1.5	51.9062	51.9429	0.0367	0.09%	0.09%		
14	-0.5 to -1	49.5802	49.6323	0.0521	0.12%	0.12%	% Gravel	0.24%
18	0 to -0.5	45.9956	46.0367	0.0411	0.10%	0.10%	% Sand	97.21%
25	0.5 to 0.0	41.961	42.0343	0.0733	0.18%	0.17%	% Silt	0.34%
35	1.0 to 0.5	43.8688	43.9869	0.1181	0.28%	0.28%	% Clay	2.03%
45	1.5 to 1.0	39.619	47.4174	7.7984	18.70%	18.26%	% Sieve loss	0.04%
60	2.0 to 1.5	40.2729	47.2444	6.9715	16.72%	16.33%		
80	2.5 to 2.0	35.8843	52.067	16.1827	38.81%	37.90%	% Total	99.86%
120	3.0 to 2.5	34.6487	43.264	8.6153	20.66%	20.18%		
170	3.5 to 3.0	34.036	35.5372	1.5012	3.60%	3.52%		
230	4.0 to 3.5	33.7276	33.8761	0.1485	0.36%	0.35%		
Pan	>4.0	21.7105	21.7894	0.0789				
			Coarse Fract	41.6172				
			Sieve Total	41.602				
			Sieve Loss	0.0152				

Cruise No. MMS 1987  
 Sample No. M1/4

Total Weight 36.897

Weight >4ph 1.3744  
 Weight <4ph 35.5228

Phi Size	Dry Wt	Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol) Wt	Mat. in Siz	Weight %	Cum Wt % Coar	Overall Wt %
Total		<b>28.8603</b>	28.8284	0.0319	0.027488	1.3744	xxx	xxx	96.28%	
4.5		<b>27.9484</b>	27.9211	0.0273	0.022888	1.1444	0.23	16.73%	96.90%	0.62%
5		<b>28.1443</b>	28.117	0.0273	0.022888	1.1444	0	0.00%	96.90%	0.00%
5.5		<b>27.9792</b>	27.9519	0.0273	0.022888	1.1444	0	0.00%	96.90%	0.00%
6		<b>27.5723</b>	27.5457	0.0266	0.022188	1.1094	0.035	2.55%	96.99%	0.09%
7		<b>27.2301</b>	27.204	0.0261	0.021688	1.0844	0.025	1.82%	97.06%	0.07%
8		<b>28.9128</b>	28.8877	0.0251	0.020688	1.0344	0.05	3.64%	97.20%	0.14%
9		<b>28.8904</b>	28.8663	0.0241	0.019688	0.9844	0.05	3.64%	97.33%	0.14%
10		<b>28.5035</b>	28.4816	0.0219	0.017488	0.8744	0.11	8.00%	97.63%	0.30%
							0.8744	63.62%		2.37%

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.2153	54.6062	0.3909	1.10%	1.06%		
10	-1 to -1.5	51.9062	52.204	0.2978	0.84%	0.81%		
14	-0.5 to -1	49.5802	49.884	0.3038	0.86%	0.82%	% Gravel	1.87%
18	0 to -0.5	45.9956	46.2268	0.2312	0.65%	0.63%	% Sand	93.47%
25	0.5 to 0.0	41.961	42.1587	0.1977	0.56%	0.54%	% Silt	0.92%
35	1.0 to 0.5	43.8688	44.0323	0.1635	0.46%	0.44%	% Clay	2.81%
45	1.5 to 1.0	39.619	44.5405	4.9215	13.85%	13.34%	% Sieve loss	0.23%
60	2.0 to 1.5	40.2729	45.6243	5.3514	15.06%	14.50%		
80	2.5 to 2.0	35.8843	45.2264	9.3421	26.30%	25.32%	% Total	99.30%
120	3.0 to 2.5	34.6487	44.4902	9.8415	27.70%	26.67%		
170	3.5 to 3.0	34.036	37.5235	3.4875	9.82%	9.45%		
230	4.0 to 3.5	33.7276	34.3774	0.6498	1.83%	1.76%		
Pan	>4.0	21.7105	21.9688	0.2583				
			Coarse Fract	35.2643				
			Sieve Total	35.1787				
			Sieve Loss	0.0856				

Cruise No. MMS 1987  
 Sample No. M1/5

Total Weight 29.4416

Weight >4ph 1.0144  
 Weight <4ph 28.4272

Phi Size	Dry Wt Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol) Wt	Mat. in Siz	Weight %	Cum Wt %	Coar	Overall Wt %
Total	<del>28.0989</del>	28.0722	0.0247	0.020288	1.0144	xxx	xxx	96.55%		
4.5	<del>28.2541</del>	28.2317	0.0224	0.017988	0.8994	0.115	11.34%	96.95%		0.39%
5	<del>28.4984</del>	28.4744	0.022	0.017588	0.8794	0.02	1.97%	97.01%		0.07%
5.5	<del>29.2851</del>	29.2433	0.0218	0.017388	0.8694	0.01	0.99%	97.05%		0.03%
6	<del>28.5555</del>	26.534	0.0215	0.017088	0.8544	0.015	1.48%	97.10%		0.05%
7	<del>28.2941</del>	26.2729	0.0212	0.016788	0.8394	0.015	1.48%	97.15%		0.05%
8	<del>28.0983</del>	28.0791	0.0202	0.015788	0.7894	0.05	4.93%	97.32%		0.17%
9	<del>28.4382</del>	28.4167	0.0195	0.015088	0.7544	0.035	3.45%	97.44%		0.12%
10	<del>30.2429</del>	30.2265	0.0164	0.011988	0.5994	0.155	15.28%	97.96%		0.53%
						0.5994	59.09%			2.04%

US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.2153	57.9682	3.7529	13.20%	12.75%		
10	-1 to -1.5	51.9062	53.1982	1.292	4.54%	4.39%		
14	-0.5 to -1	49.5802	50.814	1.2338	4.34%	4.19%	% Gravel	17.14%
18	0 to -0.5	45.9956	46.8371	0.8415	2.96%	2.86%	% Sand	77.38%
25	0.5 to 0.0	41.961	42.4944	0.5334	1.88%	1.81%	% Silt	0.76%
35	1.0 to 0.5	43.8688	44.2215	0.3527	1.24%	1.20%	% Clay	2.69%
45	1.5 to 1.0	39.619	41.7021	2.0831	7.33%	7.08%	% Sieve loss	1.97%
60	2.0 to 1.5	40.2729	42.5839	2.311	8.13%	7.85%		
80	2.5 to 2.0	35.8843	42.2241	6.3398	22.30%	21.53%	% Total	99.94%
120	3.0 to 2.5	34.6487	41.6889	7.0402	24.77%	23.91%		
170	3.5 to 3.0	34.036	35.8335	1.7975	6.32%	6.11%		
230	4.0 to 3.5	33.7276	33.9744	0.2468	0.87%	0.84%		
Pan	>4.0	21.7105	21.732	0.0215				
			Coarse Fract	28.4057				
			Sieve Total	27.8247				
			Sieve Loss	0.581				



Cruise No. MMS 1987  
 Sample No. M1/6

Total Weight 36.0772

Weight >4ph 1.0944  
 Weight <4ph 34.9828

Phi Size	Dry Wt Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol) Wt Mat.	In Size	Weight %	Cum Wt % Coar	Overall Wt %
Total	<b>29.3341</b>	<b>29.3078</b>	<b>0.0263</b>	<b>0.021888</b>	<b>1.0944</b>	xxx	xxx	<b>96.97%</b>	
4.5	<b>28.2138</b>	<b>28.1881</b>	<b>0.0255</b>	<b>0.021088</b>	<b>1.0544</b>	0.04	<b>3.65%</b>	<b>97.08%</b>	<b>0.11%</b>
5	<b>29.1049</b>	<b>29.0804</b>	<b>0.0245</b>	<b>0.020088</b>	<b>1.0044</b>	0.05	<b>4.57%</b>	<b>97.22%</b>	<b>0.14%</b>
5.5	<b>25.7005</b>	<b>25.676</b>	<b>0.0245</b>	<b>0.020088</b>	<b>1.0044</b>	-2.00062E-13	<b>0.00%</b>	<b>97.22%</b>	<b>0.00%</b>
6	<b>29.8144</b>	<b>29.7901</b>	<b>0.0243</b>	<b>0.019888</b>	<b>0.9944</b>	0.01	<b>0.91%</b>	<b>97.24%</b>	<b>0.03%</b>
7	<b>28.5807</b>	<b>28.5568</b>	<b>0.0239</b>	<b>0.019488</b>	<b>0.9744</b>	0.02	<b>1.83%</b>	<b>97.30%</b>	<b>0.06%</b>
8	<b>28.7008</b>	<b>28.6781</b>	<b>0.0227</b>	<b>0.018288</b>	<b>0.9144</b>	0.06	<b>5.48%</b>	<b>97.47%</b>	<b>0.17%</b>
9	<b>27.9183</b>	<b>27.8959</b>	<b>0.0224</b>	<b>0.017988</b>	<b>0.8994</b>	0.015	<b>1.37%</b>	<b>97.51%</b>	<b>0.04%</b>
10	<b>30.2513</b>	<b>30.2316</b>	<b>0.0197</b>	<b>0.015288</b>	<b>0.7644</b>	0.135	<b>12.34%</b>	<b>97.88%</b>	<b>0.37%</b>
						0.7644	<b>69.85%</b>		<b>2.12%</b>

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.2153	54.2755	0.0602	0.17%	0.17%		
10	-1 to -1.5	51.9062	51.9511	0.0449	0.13%	0.12%		
14	-0.5 to -1	49.5802	49.6262	0.046	0.13%	0.13%	% Gravel	0.29%
18	0 to -0.5	45.9956	46.0585	0.0629	0.18%	0.17%	% Sand	95.10%
25	0.5 to 0.0	41.961	42.0295	0.0685	0.20%	0.19%	% Silt	0.51%
35	1.0 to 0.5	43.8688	43.9218	0.053	0.15%	0.15%	% Clay	2.53%
45	1.5 to 1.0	39.619	40.6615	1.0425	2.98%	2.89%	% Sieve loss	1.47%
60	2.0 to 1.5	40.2729	48.0382	7.7653	22.20%	21.52%		
80	2.5 to 2.0	35.8843	52.2822	16.3979	46.87%	45.45%	% Total	99.90%
120	3.0 to 2.5	34.6487	41.79	7.1413	20.41%	19.79%		
170	3.5 to 3.0	34.036	35.577	1.541	4.41%	4.27%		
230	4.0 to 3.5	33.7276	33.9227	0.1951	0.56%	0.54%		
Pan	>4.0	21.7105	21.7426	0.0321				
			Coarse Fract	34.9507				
			Sieve Total	34.4186				
			Sieve Loss	0.5321				

Cruise No. MMS 1987  
 Sample No. M2/1

Total Weight 61.7486

Weight >4ph 2.7594  
 Weight <4ph 58.9892

Phi Size	Dry Wt Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol)	Wt Size Range	Weight %	Cum Wt %	Coar	Overall Wt %
Total	<b>27.8254</b>	27.7658	0.0598	0.055188	2.7594		<b>x.xx</b>	95.53%		
4.5	<b>29.4944</b>	29.4378	0.0566	0.052188	2.6094	0.15	5.44%	95.77%		0.24%
5	<b>28.3217</b>	28.2669	0.0548	0.050388	2.5194	0.09	3.26%	95.92%		0.15%
5.5	<b>28.5409</b>	28.4882	0.0527	0.048288	2.4144	0.105	3.81%	96.09%		0.17%
6	<b>29.1288</b>	29.0774	0.0512	0.046788	2.3394	0.075	2.72%	96.21%		0.12%
7	<b>27.4214</b>	27.3721	0.0493	0.044888	2.2444	0.095	3.44%	96.37%		0.15%
8	<b>28.3343</b>	28.2886	0.0457	0.041288	2.0644	0.18	6.52%	96.66%		0.29%
9	<b>28.9402</b>	28.8976	0.0426	0.038188	1.9094	0.155	5.62%	96.91%		0.25%
10	<b>27.8051</b>	27.572	0.0331	0.028688	1.4344	0.475	17.21%	97.68%		0.77%
						1.4344	51.98%			2.32%

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.2047	<b>55.8022</b>	1.3975	2.37%	2.26%		
10	-1 to -1.5	51.8921	<b>52.4474</b>	0.5553	0.94%	0.90%		
14	-0.5 to -1	49.5998	<b>50.1581</b>	0.5583	0.95%	0.90%	% Gravel	3.16%
18	0 to -0.5	45.9805	<b>46.5584</b>	0.5779	0.98%	0.94%	% Sand	90.53%
25	0.5 to 0.0	41.9509	<b>42.5862</b>	0.6453	1.09%	1.05%	% Silt	1.12%
35	1.0 to 0.5	43.8394	<b>44.439</b>	0.5996	1.02%	0.97%	% Clay	3.34%
45	1.5 to 1.0	39.5794	<b>50.7194</b>	11.14	18.88%	18.04%	% Sieve loss	1.79%
60	2.0 to 1.5	40.1986	<b>63.788</b>	23.5874	39.99%	38.20%		
80	2.5 to 2.0	35.8423	<b>51.0438</b>	15.2015	25.77%	24.62%	% Total	99.94%
120	3.0 to 2.5	34.6261	<b>37.3012</b>	2.6751	4.53%	4.33%		
170	3.5 to 3.0	34.023	<b>34.8386</b>	0.8156	1.38%	1.32%		
230	4.0 to 3.5	33.7082	<b>33.804</b>	0.0958	0.16%	0.16%		
Pan	>4.0	21.4075	<b>21.44</b>	0.0325				
			Coarse Fract	58.9567				
			Sieve Total	57.8493				
			Sieve Loss	1.1074				

Cruise No. MMS 1987  
 Sample No. M2/2

Total Weight 63.0532

Weight >4ph 3.3444  
 Weight <4ph 59.7088

Phi Size	Dry Wt Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol) Wt Mat.	In Size	Weight %	Cum Wt % Coar	Overall Wt %
Total	<b>27.4833</b>	27.412	0.0713	0.068888	3.3444	xxx	xxx	94.70%	
4.5	<b>27.553</b>	27.4831	0.0699	0.065488	3.2744	0.07	2.09%	94.81%	0.11%
5	<b>29.0916</b>	29.0238	0.0678	0.063388	3.1694	0.105	3.14%	94.97%	0.17%
5.5	<b>25.9569</b>	25.8912	0.0657	0.061288	3.0644	0.105	3.14%	95.14%	0.17%
6	<b>29.3773</b>	29.3136	0.0637	0.059288	2.9644	0.1	2.99%	95.30%	0.16%
7	<b>28.6163</b>	28.5558	0.0605	0.056088	2.8044	0.16	4.78%	95.55%	0.25%
8	<b>25.8234</b>	25.7671	0.0563	0.051888	2.5944	0.21	6.28%	95.89%	0.33%
9	<b>27.9528</b>	27.9009	0.0519	0.047488	2.3744	0.22	6.58%	96.23%	0.35%
10	<b>28.083</b>	28.0577	0.0353	0.030888	1.5444	0.83	24.82%	97.55%	1.32%
						1.5444	46.18%		2.45%

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.141	<b>56.7036</b>	2.5626	4.29%	4.06%		
10	-1 to -1.5	51.8333	<b>53.0528</b>	1.2193	2.04%	1.93%		
14	-0.5 to -1	49.5103	<b>50.8388</b>	1.3293	2.23%	2.11%	% Gravel	5.99%
18	0 to -0.5	45.9397	<b>47.155</b>	1.2153	2.04%	1.93%	% Sand	88.44%
25	0.5 to 0.0	41.9008	<b>43.2446</b>	1.3438	2.25%	2.13%	% Silt	1.19%
35	1.0 to 0.5	43.7744	<b>44.928</b>	1.1536	1.93%	1.83%	% Clay	4.12%
45	1.5 to 1.0	39.4797	<b>50.9573</b>	11.4776	19.22%	18.20%	% Sieve loss	0.17%
60	2.0 to 1.5	40.099	<b>60.7736</b>	20.6746	34.63%	32.79%		
80	2.5 to 2.0	35.7696	<b>50.5975</b>	14.8279	24.83%	23.52%	% Total	99.91%
120	3.0 to 2.5	34.5495	<b>37.068</b>	2.5185	4.22%	3.99%		
170	3.5 to 3.0	33.6524	<b>34.7243</b>	1.0719	1.80%	1.70%		
230	4.0 to 3.5	33.6423	<b>33.792</b>	0.1497	0.25%	0.24%		
Pan	>4.0	21.3831	<b>21.4392</b>	0.0561				
			Coarse Fract	59.6527				
			Sieve Total	59.5441				
			Sieve Loss	0.1086				

Cruise No. MMS 1987  
 Sample No. M2/3

Total Weight 57.9136

Weight >4ph 3.5594  
 Weight <4ph 54.3542

Phi Size	Dry Wt Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol) Wt	Mat. in Siz	Weight %	Cum Wt % Coar	Overall Wt %
Total	<del>28.9322</del>	28.8566	0.0756	0.071188	3.5594	xxx	xxx	93.85%	
4.5	<del>26.8718</del>	26.7985	0.0733	0.068888	3.4444	0.115	3.23%	94.05%	0.20%
5	<del>26.9629</del>	26.8912	0.0717	0.067288	3.3644	0.08	2.25%	94.19%	0.14%
5.5	<del>29.1383</del>	29.0689	0.0694	0.064988	3.2494	0.115	3.23%	94.39%	0.20%
6	<del>26.8441</del>	26.7771	0.067	0.062588	3.1294	0.12	3.37%	94.60%	0.21%
7	<del>29.4388</del>	29.3743	0.0643	0.059888	2.9944	0.135	3.79%	94.83%	0.23%
8	<del>29.1987</del>	29.1394	0.0593	0.054888	2.7444	0.25	7.02%	95.26%	0.43%
9	<del>26.742</del>	26.6872	0.0548	0.050388	2.5194	0.225	6.32%	95.65%	0.39%
10	<del>26.8513</del>	26.8112	0.0401	0.035688	1.7844	0.735	20.65%	96.92%	1.27%
						1.7844	50.13%		3.08%

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.2047	56.9297	2.725	5.01%	4.71%		
10	-1 to -1.5	51.8921	53.0937	1.2016	2.21%	2.07%		
14	-0.5 to -1	49.5998	50.7289	1.1291	2.08%	1.95%	% Gravel	6.78%
18	0 to -0.5	45.9805	47.0454	1.0649	1.96%	1.84%	% Sand	86.87%
25	0.5 to 0.0	41.9509	42.981	1.0301	1.90%	1.78%	% Silt	1.41%
35	1.0 to 0.5	43.8394	44.7343	0.8949	1.65%	1.55%	% Clay	4.74%
45	1.5 to 1.0	39.5794	50.409	10.8296	19.92%	18.70%	% Sieve loss	0.14%
60	2.0 to 1.5	40.1986	59.5184	19.3198	35.54%	33.36%		
80	2.5 to 2.0	35.8423	48.395	12.5527	23.09%	21.67%	% Total	99.94%
120	3.0 to 2.5	34.6261	37.2447	2.6186	4.82%	4.52%		
170	3.5 to 3.0	34.023	34.8016	0.7786	1.43%	1.34%		
230	4.0 to 3.5	33.7082	33.8009	0.0927	0.17%	0.16%		
Pan	>4.0	21.4075	21.4403	0.0328				

Coarse Fract 54.3214  
 Sieve Total 54.2376  
 Sieve Loss 0.0838

Cruise No. MMS 1987  
 Sample No. M2/4

Total Weight 52.7548

Weight >4ph 2.6644  
 Weight <4ph 50.0904

Phi Size	Dry Wt Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol) Wt	Mat. in Siz	Weight %	Cum Wt %	Coar	Overall Wt %
Total	<b>28.8861</b>	<b>28.8284</b>	0.0577	0.053288	2.6644	xxx	xxx	94.95%		
4.5	<b>27.9766</b>	27.9211	0.0554	0.050988	2.5494	0.115	4.32%	95.17%		0.22%
5	<b>28.1721</b>	28.117	0.0551	0.050688	2.5344	0.015	0.56%	95.20%		0.03%
5.5	<b>28.0054</b>	27.9519	0.0535	0.049088	2.4544	0.08	3.00%	95.35%		0.15%
6	<b>27.5977</b>	27.5457	0.052	0.047588	2.3794	0.075	2.81%	95.49%		0.14%
7	<b>27.254</b>	27.204	0.05	0.045588	2.2794	0.1	3.75%	95.68%		0.19%
8	<b>28.934</b>	28.8877	0.0463	0.041888	2.0944	0.185	6.94%	96.03%		0.35%
9	<b>28.9086</b>	28.8663	0.0433	0.038888	1.9444	0.15	5.63%	96.31%		0.28%
10	<b>28.5162</b>	28.4816	0.0346	0.030188	1.5094	0.435	16.33%	97.14%		0.82%
						1.5094	56.65%			2.86%

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.2047	56.0763	1.8716	3.74%	3.55%		
10	-1 to -1.5	51.8921	53.2363	1.3442	2.68%	2.55%		
14	-0.5 to -1	49.5998	51.2526	1.6528	3.30%	3.13%	% Gravel	6.10%
18	0 to -0.5	45.9805	47.4402	1.4597	2.91%	2.77%	% Sand	88.48%
25	0.5 to 0.0	41.9509	43.1302	1.1793	2.35%	2.24%	% Silt	1.08%
35	1.0 to 0.5	43.8394	44.7666	0.9272	1.85%	1.76%	% Clay	3.96%
45	1.5 to 1.0	39.5794	48.6384	9.059	18.09%	17.17%	% Sieve loss	0.34%
60	2.0 to 1.5	40.1986	56.8356	16.637	33.21%	31.54%		
80	2.5 to 2.0	35.8423	48.1142	12.2719	24.50%	23.26%	% Total	99.96%
120	3.0 to 2.5	34.6261	37.1808	2.5547	5.10%	4.84%		
170	3.5 to 3.0	34.023	34.8435	0.8205	1.64%	1.56%		
230	4.0 to 3.5	33.7082	33.8203	0.1121	0.22%	0.21%		
Pan	>4.0	21.4075	21.4293	0.0218				
			Coarse Fract	50.0686				
			Sieve Total	49.89				
			Sieve Loss	0.1786				

Cruise No. MMS 1987  
 Sample No. M2/5

Total Weight 54.4834

Weight >4ph 2.9744  
 Weight <4ph 51.509

Phi Size	Dry Wt Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol) Wt	Mat. in Siz	Weight %	Cum Wt % Coa	Overall Wt %
Total	<b>28.1361</b>	<b>28.0722</b>	<b>0.0639</b>	<b>0.059488</b>	<b>2.9744</b>	<b>xxx</b>	<b>xxx</b>	<b>94.54%</b>	
4.5	<b>28.2934</b>	<b>28.2317</b>	<b>0.0617</b>	<b>0.057288</b>	<b>2.8644</b>	<b>0.11</b>	<b>3.70%</b>	<b>94.74%</b>	<b>0.20%</b>
5	<b>28.5347</b>	<b>28.4744</b>	<b>0.0603</b>	<b>0.055888</b>	<b>2.7944</b>	<b>0.07</b>	<b>2.35%</b>	<b>94.87%</b>	<b>0.13%</b>
5.5	<b>29.3018</b>	<b>29.2433</b>	<b>0.0585</b>	<b>0.054088</b>	<b>2.7044</b>	<b>0.09</b>	<b>3.03%</b>	<b>95.04%</b>	<b>0.17%</b>
6	<b>28.5919</b>	<b>26.534</b>	<b>0.0579</b>	<b>0.053488</b>	<b>2.6744</b>	<b>0.03</b>	<b>1.01%</b>	<b>95.09%</b>	<b>0.06%</b>
7	<b>28.3284</b>	<b>28.2729</b>	<b>0.0555</b>	<b>0.051088</b>	<b>2.5544</b>	<b>0.12</b>	<b>4.03%</b>	<b>95.31%</b>	<b>0.22%</b>
8	<b>28.129</b>	<b>28.0791</b>	<b>0.0499</b>	<b>0.045488</b>	<b>2.2744</b>	<b>0.28</b>	<b>9.41%</b>	<b>95.83%</b>	<b>0.51%</b>
9	<b>28.4627</b>	<b>28.4167</b>	<b>0.046</b>	<b>0.041588</b>	<b>2.0794</b>	<b>0.195</b>	<b>6.56%</b>	<b>96.18%</b>	<b>0.36%</b>
10	<b>30.2592</b>	<b>30.2265</b>	<b>0.0327</b>	<b>0.028288</b>	<b>1.4144</b>	<b>0.665</b>	<b>22.36%</b>	<b>97.40%</b>	<b>1.22%</b>
						<b>1.4144</b>	<b>47.55%</b>		<b>2.60%</b>

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.2047	<del>56.8527</del>	2.648	5.14%	4.86%		
10	-1 to -1.5	51.8921	<del>53.8285</del>	1.7364	3.37%	3.19%		
14	-0.5 to -1	49.5998	<del>51.3975</del>	1.7977	3.49%	3.30%	% Gravel	8.05%
18	0 to -0.5	45.9805	<del>47.5684</del>	1.5879	3.08%	2.91%	% Sand	86.18%
25	0.5 to 0.0	41.9509	<del>43.223</del>	1.2721	2.47%	2.33%	% Silt	1.29%
35	1.0 to 0.5	43.8394	<del>44.8065</del>	0.9671	1.88%	1.78%	% Clay	4.18%
45	1.5 to 1.0	39.5794	<del>46.7677</del>	7.1883	13.96%	13.19%	% Sieve loss	0.27%
60	2.0 to 1.5	40.1986	<del>57.9985</del>	17.7999	34.56%	32.67%		
80	2.5 to 2.0	35.8423	<del>48.9035</del>	13.0612	25.36%	23.97%	% Total	99.97%
120	3.0 to 2.5	34.6261	<del>37.088</del>	2.4599	4.78%	4.51%		
170	3.5 to 3.0	34.023	<del>34.7264</del>	0.7034	1.37%	1.29%		
230	4.0 to 3.5	33.7082	<del>33.8353</del>	0.1271	0.25%	0.23%		
Pan	>4.0	21.4075	<del>21.42</del>	0.0125				

Coarse Fract 51.4965  
 Sieve Total 51.349  
 Sieve Loss 0.1475

Cruise No. MMS 1987  
 Sample No. M2/6

Total Weight 58.5437

Weight >4ph 2.5494  
 Weight <4ph 55.9943

Phi Size	Dry Wt Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol) Wt Mat.	In Siz	Weight %	Cum Wt %	Coa	Overall Wt %
Total	<b>29.3632</b>	29.3078	0.0554	0.050988	2.5494	xxx	xxx	95.65%		
4.5	<b>28.2424</b>	28.1881	0.0543	0.049888	2.4944	0.055	2.16%	95.74%		0.09%
5	<b>29.1331</b>	29.0804	0.0527	0.048288	2.4144	0.08	3.14%	95.88%		0.14%
5.5	<b>25.7277</b>	25.676	0.0517	0.047288	2.3644	0.05	1.96%	95.96%		0.09%
6	<b>29.841</b>	29.7901	0.0509	0.046488	2.3244	0.04	1.57%	96.03%		0.07%
7	<b>28.6061</b>	28.5568	0.0493	0.044888	2.2444	0.08	3.14%	96.17%		0.14%
8	<b>28.7231</b>	28.6781	0.045	0.040588	2.0294	0.215	8.43%	96.53%		0.37%
9	<b>27.9385</b>	27.8959	0.0426	0.038188	1.9094	0.12	4.71%	96.74%		0.20%
10	<b>30.2649</b>	30.2316	0.0333	0.028888	1.4444	0.465	18.24%	97.53%		0.79%
						1.4444	56.66%			2.47%

A-57

US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.2047	<b>55.2585</b>	1.0538	1.88%	1.80%		
10	-1 to -1.5	51.8921	<b>52.7097</b>	0.8176	1.46%	1.40%		
14	-0.5 to -1	49.5998	<b>50.432</b>	0.8322	1.49%	1.42%	% Gravel	3.20%
18	0 to -0.5	45.9805	<b>46.9988</b>	1.0183	1.82%	1.74%	% Sand	90.81%
25	0.5 to 0.0	41.9509	<b>42.8945</b>	0.9436	1.69%	1.61%	% Silt	0.90%
35	1.0 to 0.5	43.8394	<b>44.6046</b>	0.7652	1.37%	1.31%	% Clay	3.46%
45	1.5 to 1.0	39.5794	<b>46.6362</b>	7.0568	12.60%	12.05%	% Sieve loss	1.63%
60	2.0 to 1.5	40.1986	<b>63.9852</b>	23.7966	42.50%	40.65%		
80	2.5 to 2.0	35.8423	<b>51.8468</b>	16.0043	28.58%	27.34%	% Total	100.00%
120	3.0 to 2.5	34.6261	<b>36.7789</b>	2.1528	3.84%	3.68%		
170	3.5 to 3.0	34.023	<b>34.5382</b>	0.5152	0.92%	0.88%		
230	4.0 to 3.5	33.7082	<b>33.7825</b>	0.0743	0.13%	0.13%		
Pan	>4.0	21.4075	<b>21.4176</b>	0.0101				
			Coarse Fract	55.9842				
			Sieve Total	55.0307				
			Sieve Loss	0.9535				

Cruise No. MMS 1987  
 Sample No. M3/1

Total Weight **39.4484**

Weight >4ph **13.5194**  
 Weight <4ph **25.929**

Phi Size	Dry Wt Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol) Wt Mat.	In Siz Weight %	Cum Wt %	Coar Overall Wt %
Total	<b>28.0408</b>	27.7658	0.2748	0.270388	13.5194	xxx	xxx	65.73%
4.5	<b>29.6978</b>	29.4378	0.2598	0.255388	12.7694	0.75	5.55%	67.63%
5	<b>28.5081</b>	28.2669	0.2412	0.236788	11.8394	0.93	6.88%	69.99%
5.5	<b>28.7071</b>	28.4882	0.2189	0.214488	10.7244	1.115	8.25%	72.81%
6	<b>29.2782</b>	29.0774	0.2008	0.196388	9.8194	0.905	6.69%	75.11%
7	<b>27.5432</b>	27.3721	0.1711	0.166688	8.3344	1.485	10.98%	78.87%
8	<b>28.4235</b>	28.2886	0.1349	0.130488	6.5244	1.81	13.39%	83.46%
9	<b>28.988</b>	28.8976	0.0904	0.085988	4.2994	2.225	16.46%	89.10%
10	<b>27.6202</b>	27.572	0.0482	0.043788	2.1894	2.11	15.61%	94.45%
						2.1894	16.19%	5.55%

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.1824	<b>54.3035</b>	0.1211	0.47%	0.31%		
10	-1 to -1.5	51.8797	<b>51.9777</b>	0.098	0.38%	0.25%		
14	-0.5 to -1	49.5486	<b>49.709</b>	0.1604	0.62%	0.41%	% Gravel	0.56%
18	0 to -0.5	45.973	<b>46.232</b>	0.259	1.00%	0.66%	% Sand	64.88%
25	0.5 to 0.0	41.9332	<b>42.258</b>	0.3248	1.25%	0.82%	% Silt	17.73%
35	1.0 to 0.5	43.8094	<b>44.138</b>	0.3286	1.27%	0.83%	% Clay	16.54%
45	1.5 to 1.0	39.5368	<b>42.3025</b>	2.7657	10.67%	7.01%	% Sieve loss	0.02%
60	2.0 to 1.5	40.1398	<b>44.1037</b>	3.9639	15.29%	10.05%		
80	2.5 to 2.0	35.8111	<b>41.7834</b>	5.9523	22.96%	15.09%	% Total	99.73%
120	3.0 to 2.5	34.5818	<b>40.4591</b>	5.8773	22.67%	14.90%		
170	3.5 to 3.0	34.025	<b>38.7527</b>	4.7277	18.23%	11.98%		
230	4.0 to 3.5	33.686	<b>34.9228</b>	1.2366	4.77%	3.13%		
Pan	>4.0	21.4404	<b>21.5452</b>	0.1048				
			Coarse Fract	25.8242				
			Sieve Total	25.8154				
			Sieve Loss	0.0088				



Cruise No. MMS 1987  
 Sample No. M3/2

Total Weight 45.6254

Weight >4ph 14.1994  
 Weight <4ph 31.426

Phi Size	Dry Wt Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol) Wt	Mat. in Siz	Weight %	Cum Wt %	Coa	Overall Wt %
Total	<b>27.7004</b>	<b>27.412</b>	<b>0.2884</b>	<b>0.283988</b>	<b>14.1994</b>	<b>xxx</b>	<b>xxx</b>	<b>68.88%</b>		
4.5	<b>27.7889</b>	<b>27.4831</b>	<b>0.2868</b>	<b>0.282388</b>	<b>14.1194</b>	<b>0.08</b>	<b>0.56%</b>	<b>69.05%</b>		<b>0.18%</b>
5	<b>29.3042</b>	<b>29.0238</b>	<b>0.2804</b>	<b>0.275988</b>	<b>13.7994</b>	<b>0.32</b>	<b>2.25%</b>	<b>69.76%</b>		<b>0.70%</b>
5.5	<b>28.162</b>	<b>25.8912</b>	<b>0.2708</b>	<b>0.266388</b>	<b>13.3194</b>	<b>0.48</b>	<b>3.38%</b>	<b>70.81%</b>		<b>1.05%</b>
6	<b>29.5722</b>	<b>29.3136</b>	<b>0.2586</b>	<b>0.254188</b>	<b>12.7094</b>	<b>0.61</b>	<b>4.30%</b>	<b>72.14%</b>		<b>1.34%</b>
7	<b>28.7882</b>	<b>28.5558</b>	<b>0.2324</b>	<b>0.227988</b>	<b>11.3994</b>	<b>1.31</b>	<b>9.23%</b>	<b>75.02%</b>		<b>2.87%</b>
8	<b>25.9184</b>	<b>25.7671</b>	<b>0.1513</b>	<b>0.146888</b>	<b>7.3444</b>	<b>4.055</b>	<b>28.56%</b>	<b>83.90%</b>		<b>8.89%</b>
9	<b>27.9917</b>	<b>27.9009</b>	<b>0.0908</b>	<b>0.086388</b>	<b>4.3194</b>	<b>3.025</b>	<b>21.30%</b>	<b>90.53%</b>		<b>6.63%</b>
10	<b>28.0915</b>	<b>28.0577</b>	<b>0.0338</b>	<b>0.029388</b>	<b>1.4694</b>	<b>2.85</b>	<b>20.07%</b>	<b>96.78%</b>		<b>6.25%</b>
						<b>1.4694</b>	<b>10.35%</b>			<b>3.22%</b>

A-59

US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.1824	<b>54.3764</b>	0.194	0.62%	0.43%		
10	-1 to -1.5	51.8797	<b>51.9737</b>	0.094	0.30%	0.21%		
14	-0.5 to -1	49.5486	<b>49.7205</b>	0.1719	0.55%	0.38%	% Gravel	0.64%
18	0 to -0.5	45.973	<b>46.2387</b>	0.2657	0.85%	0.58%	% Sand	67.91%
25	0.5 to 0.0	41.9332	<b>42.3177</b>	0.3845	1.22%	0.84%	% Silt	15.03%
35	1.0 to 0.5	43.8094	<b>44.2042</b>	0.3948	1.26%	0.87%	% Clay	16.10%
45	1.5 to 1.0	39.5368	<b>42.1883</b>	2.6515	8.44%	5.81%	% Sieve loss	0.05%
60	2.0 to 1.5	40.1398	<b>47.1485</b>	7.0087	22.30%	15.36%		
80	2.5 to 2.0	35.8111	<b>44.3715</b>	8.5604	27.24%	18.76%	% Total	99.73%
120	3.0 to 2.5	34.5818	<b>40.6829</b>	6.1011	19.41%	13.37%		
170	3.5 to 3.0	34.025	<b>38.1142</b>	4.0892	13.01%	8.96%		
230	4.0 to 3.5	33.686	<b>35.0443</b>	1.3583	4.32%	2.98%		
Pan	>4.0	21.4404	<b>21.5709</b>	0.1305				
			Coarse Fract	31.2955				
			Sieve Total	31.2741				
			Sieve Loss	0.0214				

Cruise No. MMS 1987  
 Sample No. M3/3

Total Weight 39.7427

Weight >4ph 9.5344  
 Weight <4ph 30.2083

Phi Size	Dry Wt Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol) Wt	Mat. in Siz	Weight %	Cum Wt %	Coar	Overall Wt %
Total	29.0517	28.8566	0.1951	0.190688	9.5344	xxx	xxx	76.01%		
4.5	26.9908	26.7985	0.1923	0.187888	9.3944	0.14	1.47%	76.36%		0.35%
5	27.0786	26.8912	0.1874	0.182988	9.1494	0.245	2.57%	76.98%		0.62%
5.5	29.2476	29.0689	0.1787	0.174288	8.7144	0.435	4.56%	78.07%		1.09%
6	26.9477	26.7771	0.1706	0.166188	8.3094	0.405	4.25%	79.09%		1.02%
7	29.5282	29.3743	0.1539	0.149488	7.4744	0.835	8.76%	81.19%		2.10%
8	29.269	29.1394	0.1296	0.125188	6.2594	1.215	12.74%	84.25%		3.06%
9	26.7929	26.6872	0.1057	0.101288	5.0644	1.195	12.53%	87.26%		3.01%
10	26.8748	26.8112	0.0636	0.059188	2.9594	2.105	22.08%	92.55%		5.30%
					2.9594		31.04%			7.45%

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.1824	54.7725	0.5901	1.95%	1.48%		
10	-1 to -1.5	51.8797	51.98	0.1003	0.33%	0.25%		
14	-0.5 to -1	49.5486	49.6562	0.1076	0.36%	0.27%	% Gravel	1.73%
18	0 to -0.5	45.973	46.2221	0.2491	0.82%	0.63%	% Sand	73.98%
25	0.5 to 0.0	41.9332	42.1945	0.2613	0.86%	0.66%	% Silt	8.24%
35	1.0 to 0.5	43.8094	44.1456	0.3362	1.11%	0.85%	% Clay	15.76%
45	1.5 to 1.0	39.5368	41.8725	2.3357	7.73%	5.88%	% Sieve loss	0.02%
60	2.0 to 1.5	40.1398	46.9115	6.7717	22.42%	17.04%		
80	2.5 to 2.0	35.8111	44.285	8.4739	28.05%	21.32%	% Total	99.73%
120	3.0 to 2.5	34.5818	40.517	5.9352	19.65%	14.93%		
170	3.5 to 3.0	34.025	37.673	3.648	12.08%	9.18%		
230	4.0 to 3.5	33.686	34.9659	1.2799	4.24%	3.22%		
Pan	>4.0	21.4404	21.5512	0.1108				
			Coarse Fract	30.0975				
			Sieve Total	30.089				
			Sieve Loss	0.0085				

Cruise No. MMS 1987  
 Sample No. M3/4

Total Weight 49.1143

Weight >4ph 20.9844  
 Weight <4ph 28.1299

Phi Size	Dry Wt Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol) Wt	Mat. in Siz	Weight %	Cum Wt %	Coa	Overall Wt %
Total	<del>29.2525</del>	28.8284	0.4241	0.419688	20.9844	xxx	xxx	57.27%		
4.5	<del>28.3300</del>	27.9211	0.4188	0.414388	20.7194	0.265	1.26%	57.81%		0.54%
5	<del>28.5229</del>	28.117	0.4059	0.401488	20.0744	0.645	3.07%	59.13%		1.31%
5.5	<del>28.3425</del>	27.9519	0.3906	0.386188	19.3094	0.765	3.65%	60.68%		1.56%
6	<del>27.9223</del>	27.5457	0.3766	0.372188	18.6094	0.7	3.34%	62.11%		1.43%
7	<del>27.5471</del>	27.204	0.3431	0.338688	16.9344	1.675	7.98%	65.52%		3.41%
8	<del>29.078</del>	28.8877	0.1903	0.185888	9.2944	7.64	36.41%	81.08%		15.56%
9	<del>28.945</del>	28.8663	0.0787	0.074288	3.7144	5.58	26.59%	92.44%		11.36%
10	<del>28.5175</del>	28.4816	0.0359	0.031488	1.5744	2.14	10.20%	96.79%		4.36%
						1.5744	7.50%			3.21%

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.1824	54.291	0.1086	0.39%	0.22%		
10	-1 to -1.5	51.8797	51.941	0.0613	0.22%	0.12%		
14	-0.5 to -1	49.5486	49.629	0.0804	0.29%	0.16%	% Gravel	0.34%
18	0 to -0.5	45.973	46.1463	0.1733	0.62%	0.35%	% Sand	56.60%
25	0.5 to 0.0	41.9332	42.1631	0.2299	0.82%	0.47%	% Silt	23.81%
35	1.0 to 0.5	43.8094	44.0798	0.2704	0.96%	0.55%	% Clay	18.93%
45	1.5 to 1.0	39.5368	41.5923	2.0555	7.31%	4.19%	% Sieve loss	0.04%
60	2.0 to 1.5	40.1398	46.617	6.4772	23.03%	13.19%		
80	2.5 to 2.0	35.8111	43.5768	7.7657	27.61%	15.81%	% Total	99.72%
120	3.0 to 2.5	34.5818	40.0015	5.4197	19.27%	11.03%		
170	3.5 to 3.0	34.025	37.8708	3.8458	13.67%	7.83%		
230	4.0 to 3.5	33.686	35.1696	1.4836	5.27%	3.02%		
Pan	>4.0	21.4404	21.5804	0.14				
			Coarse Fract	27.9899				
			Sieve Total	27.9714				
			Sieve Loss	0.0185				

Cruise No. MMS 1987  
 Sample No. M3/5

Total Weight 57.1932

Weight >4ph 18.4694  
 Weight <4ph 38.7238

Phi Size	Dry Wt Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol) Wt	Mat. In Siz	Weight %	Cum Wt % Coa	Overall Wt %
Total	<b>28.448</b>	<b>28.0722</b>	0.3738	0.369388	18.4694	xxx	xxx	67.71%	
4.5	<b>28.5952</b>	28.2317	0.3635	0.359088	17.9544	0.515	2.79%	68.61%	0.90%
5	<b>28.8245</b>	28.4744	0.3501	0.345688	17.2844	0.67	3.63%	69.78%	1.17%
5.5	<b>29.5728</b>	29.2433	0.3293	0.324888	16.2444	1.04	5.63%	71.60%	1.82%
6	<b>28.8508</b>	26.534	0.3168	0.312388	15.6194	0.625	3.38%	72.69%	1.09%
7	<b>28.552</b>	26.2729	0.2791	0.274688	13.7344	1.885	10.21%	75.99%	3.30%
8	<b>28.2784</b>	28.0791	0.1993	0.194888	9.7444	3.99	21.60%	82.96%	6.98%
9	<b>28.5504</b>	28.4167	0.1337	0.129288	6.4644	3.28	17.76%	88.70%	5.73%
10	<b>30.2845</b>	30.2265	0.058	0.053588	2.6794	3.785	20.49%	95.32%	6.62%
						2.6794	14.51%		4.68%

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.1824	54.455	0.2726	0.70%	0.48%		
10	-1 to -1.5	51.8797	52.028	0.1483	0.38%	0.26%		
14	-0.5 to -1	49.5486	49.752	0.2034	0.53%	0.36%	% Gravel	0.74%
18	0 to -0.5	45.973	46.2657	0.2927	0.76%	0.51%	% Sand	66.86%
25	0.5 to 0.0	41.9332	42.3818	0.4486	1.16%	0.78%	% Silt	15.26%
35	1.0 to 0.5	43.8094	44.3087	0.4993	1.29%	0.87%	% Clay	17.03%
45	1.5 to 1.0	39.5368	46.853	7.3162	18.89%	12.79%	% Sieve loss	0.02%
60	2.0 to 1.5	40.1398	49.1785	9.0387	23.34%	15.80%		
80	2.5 to 2.0	35.8111	45.0783	9.2672	23.93%	16.20%	% Total	99.91%
120	3.0 to 2.5	34.5818	40.9062	6.3244	16.33%	11.06%		
170	3.5 to 3.0	34.025	37.7161	3.6911	9.53%	6.45%		
230	4.0 to 3.5	33.686	34.8513	1.1653	3.01%	2.04%		
Pan	>4.0	21.4404	21.4841	0.0437				
			Coarse Fract	38.6801				
			Sieve Total	38.6678				
			Sieve Loss	0.0123				

Cruise No. MMS 1987  
 Sample No. M3/6

Total Weight 47.5682

Weight >4ph 22.4044  
 Weight <4ph 25.1638

Phi Size	Dry Wt	Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol) Wt	Mat. In Siz	Weight %	Cum Wt %	Coar	Overall Wt %
Total		<b>29.7803</b>	29.3078	0.4525	0.448088	22.4044	xxx	xxx	52.90%		
4.5		<b>28.6343</b>	28.1881	0.4462	0.441788	22.0894	0.315	1.41%	53.56%		0.66%
5		<b>29.5125</b>	29.0804	0.4321	0.427688	21.3844	0.705	3.15%	55.04%		1.48%
5.5		<b>26.0889</b>	25.676	0.4109	0.406488	20.3244	1.06	4.73%	57.27%		2.23%
6		<b>30.1875</b>	29.7901	0.3974	0.392988	19.6494	0.675	3.01%	58.69%		1.42%
7		<b>28.8885</b>	28.5568	0.3327	0.328288	16.4144	3.235	14.44%	65.49%		6.80%
8		<b>31.712</b>	31.472	0.24	0.235588	11.7794	4.635	20.69%	75.24%		9.74%
9		<b>28.051</b>	27.8959	0.1551	0.150688	7.5344	4.245	18.95%	84.16%		8.92%
10		<b>30.2744</b>	30.2316	0.0428	0.038388	1.9194	5.615	25.06%	95.96%		11.80%
							1.9194	8.57%			4.04%

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.1824	54.5835	0.4011	1.59%	0.84%		
10	-1 to -1.5	51.8797	52.158	0.2783	1.11%	0.59%		
14	-0.5 to -1	49.5486	49.854	0.3054	1.21%	0.64%	% Gravel	1.43%
18	0 to -0.5	45.973	46.3912	0.4182	1.66%	0.88%	% Sand	51.06%
25	0.5 to 0.0	41.9332	42.4159	0.4827	1.92%	1.01%	% Silt	22.33%
35	1.0 to 0.5	43.8094	44.2515	0.4421	1.76%	0.93%	% Clay	24.76%
45	1.5 to 1.0	39.5368	42.0904	2.5536	10.15%	5.37%	% Sieve loss	0.02%
60	2.0 to 1.5	40.1398	43.1982	3.0584	12.15%	6.43%		
80	2.5 to 2.0	35.8111	39.6502	3.8391	15.26%	8.07%	% Total	99.60%
120	3.0 to 2.5	34.5818	42.123	7.5412	29.97%	15.85%		
170	3.5 to 3.0	34.025	38.269	4.244	16.87%	8.92%		
230	4.0 to 3.5	33.686	35.0929	1.4069	5.59%	2.96%		
Pan	>4.0	21.4404	21.626	0.1856				
			Coarse Fract	24.9782				
			Sieve Total	24.971				
			Sieve Loss	0.0072				

Cruise No. MMS 1987  
 Sample No. M4/1

Total Weight **18.2834**

Weight >4ph **17.0344**  
 Weight <4ph **1.249**

Phi Size	Dry Wt Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol) Wt	Mat. in Siz	Weight %	Cum Wt %	Coar	Overall Wt %
Total	<b>28.1109</b>	<b>27.7658</b>	<b>0.3451</b>	<b>0.340688</b>	<b>17.0344</b>	xxx	xxx	<b>6.83%</b>		
4.5	<b>29.789</b>	<b>29.4378</b>	<b>0.3312</b>	<b>0.326788</b>	<b>16.3394</b>	<b>0.695</b>	<b>4.08%</b>	<b>10.63%</b>		<b>3.80%</b>
5	<b>28.5881</b>	<b>28.2669</b>	<b>0.3212</b>	<b>0.316788</b>	<b>15.8394</b>	<b>0.5</b>	<b>2.94%</b>	<b>13.37%</b>		<b>2.73%</b>
5.5	<b>28.7877</b>	<b>28.4882</b>	<b>0.2995</b>	<b>0.295088</b>	<b>14.7544</b>	<b>1.085</b>	<b>6.37%</b>	<b>19.30%</b>		<b>5.93%</b>
6	<b>29.3619</b>	<b>29.0774</b>	<b>0.2845</b>	<b>0.280088</b>	<b>14.0044</b>	<b>0.75</b>	<b>4.40%</b>	<b>23.40%</b>		<b>4.10%</b>
7	<b>27.8141</b>	<b>27.3721</b>	<b>0.242</b>	<b>0.237588</b>	<b>11.8794</b>	<b>2.125</b>	<b>12.47%</b>	<b>35.03%</b>		<b>11.62%</b>
8	<b>28.3454</b>	<b>28.2886</b>	<b>0.0568</b>	<b>0.052388</b>	<b>2.6194</b>	<b>9.26</b>	<b>54.36%</b>	<b>85.67%</b>		<b>50.65%</b>
9	<b>28.9415</b>	<b>28.8976</b>	<b>0.0439</b>	<b>0.039488</b>	<b>1.9744</b>	<b>0.645</b>	<b>3.79%</b>	<b>89.20%</b>		<b>3.53%</b>
10	<b>27.8048</b>	<b>27.572</b>	<b>0.0326</b>	<b>0.028188</b>	<b>1.4094</b>	<b>0.565</b>	<b>3.32%</b>	<b>92.29%</b>		<b>3.09%</b>
						<b>1.4094</b>	<b>8.27%</b>			<b>7.71%</b>

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.2106	<b>54.2106</b>	0	0.00%	0.00%		
10	-1 to -1.5	51.9031	<b>51.9062</b>	0.0031	0.25%	0.02%		
14	-0.5 to -1	49.574	<b>49.5838</b>	0.0098	0.78%	0.05%	% Gravel	0.02%
18	0 to -0.5	45.9919	<b>46.0033</b>	0.0114	0.91%	0.06%	% Sand	6.68%
25	0.5 to 0.0	41.9521	<b>41.9716</b>	0.0195	1.56%	0.11%	% Silt	78.83%
35	1.0 to 0.5	43.8428	<b>43.861</b>	0.0182	1.46%	0.10%	% Clay	14.33%
45	1.5 to 1.0	39.5854	<b>39.6886</b>	0.0812	6.50%	0.44%	% Sieve loss	0.04%
60	2.0 to 1.5	40.2424	<b>40.334</b>	0.0916	7.33%	0.50%		
80	2.5 to 2.0	35.898	<b>36.0377</b>	0.1397	11.18%	0.76%	% Total	99.90%
120	3.0 to 2.5	34.7295	<b>34.9887</b>	0.2392	19.15%	1.31%		
170	3.5 to 3.0	34.0416	<b>34.4649</b>	0.4233	33.89%	2.32%		
230	4.0 to 3.5	33.7803	<b>33.9694</b>	0.1891	15.14%	1.03%		
Pan	>4.0	21.3209	<b>21.3373</b>	0.0164				

Coarse Fract 1.2326  
 Sieve Total 1.2261  
 Sieve Loss 0.0065

Cruise No. MMS 1987  
 Sample No. M4/2

Total Weight 14.8001

Weight >4ph 14.3794  
 Weight <4ph 0.4207

Phi Size	Dry Wt Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol) Wt	Mat. in Siz	Weight %	Cum Wt % Coa	Overall Wt %
Total	<b>27.704</b>	<b>27.412</b>	<b>0.292</b>	<b>0.287588</b>	<b>14.3794</b>	<b>xxx</b>	<b>xxx</b>	<b>2.84%</b>	
4.5	<b>27.7734</b>	<b>27.4831</b>	<b>0.2903</b>	<b>0.285888</b>	<b>14.2944</b>	<b>0.085</b>	<b>0.59%</b>	<b>3.42%</b>	<b>0.57%</b>
5	<b>29.308</b>	<b>29.0238</b>	<b>0.2842</b>	<b>0.279788</b>	<b>13.9894</b>	<b>0.305</b>	<b>2.12%</b>	<b>5.48%</b>	<b>2.06%</b>
5.5	<b>28.1652</b>	<b>25.8912</b>	<b>0.274</b>	<b>0.269588</b>	<b>13.4794</b>	<b>0.51</b>	<b>3.55%</b>	<b>8.92%</b>	<b>3.45%</b>
6	<b>29.578</b>	<b>29.3136</b>	<b>0.2624</b>	<b>0.257988</b>	<b>12.8994</b>	<b>0.58</b>	<b>4.03%</b>	<b>12.84%</b>	<b>3.92%</b>
7	<b>28.7923</b>	<b>28.5558</b>	<b>0.2365</b>	<b>0.232088</b>	<b>11.6044</b>	<b>1.295</b>	<b>9.01%</b>	<b>21.59%</b>	<b>8.75%</b>
8	<b>25.9217</b>	<b>25.7671</b>	<b>0.1546</b>	<b>0.150188</b>	<b>7.5094</b>	<b>4.095</b>	<b>28.48%</b>	<b>49.26%</b>	<b>27.67%</b>
9	<b>27.9955</b>	<b>27.9009</b>	<b>0.0946</b>	<b>0.090188</b>	<b>4.5094</b>	<b>3</b>	<b>20.86%</b>	<b>69.53%</b>	<b>20.27%</b>
10	<b>28.0955</b>	<b>28.0577</b>	<b>0.0378</b>	<b>0.033388</b>	<b>1.6694</b>	<b>2.84</b>	<b>19.75%</b>	<b>88.72%</b>	<b>19.19%</b>
						<b>1.6694</b>	<b>11.61%</b>		<b>11.28%</b>

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.2106	<b>54.2178</b>	0.0072	1.71%	0.05%		
10	-1 to -1.5	51.9031	<b>51.9039</b>	0.0008	0.19%	0.01%		
14	-0.5 to -1	49.574	<b>49.5758</b>	0.0018	0.43%	0.01%	% Gravel	0.06%
18	0 to -0.5	45.9919	<b>45.9945</b>	0.0026	0.62%	0.02%	% Sand	2.69%
25	0.5 to 0.0	41.9521	<b>41.9555</b>	0.0034	0.81%	0.02%	% Silt	46.42%
35	1.0 to 0.5	43.8428	<b>43.8468</b>	0.0038	0.90%	0.03%	% Clay	50.74%
45	1.5 to 1.0	39.5854	<b>39.6089</b>	0.0235	5.59%	0.16%	% Sieve loss	0.08%
60	2.0 to 1.5	40.2424	<b>40.28</b>	0.0376	8.94%	0.25%		
80	2.5 to 2.0	35.898	<b>35.9606</b>	0.0626	14.88%	0.42%	% Total	99.99%
120	3.0 to 2.5	34.7295	<b>34.8108</b>	0.0813	19.32%	0.55%		
170	3.5 to 3.0	34.0416	<b>34.1682</b>	0.1266	30.09%	0.86%		
230	4.0 to 3.5	33.7803	<b>33.8347</b>	0.0544	12.93%	0.37%		
Pan	>4.0	21.3209	<b>21.3247</b>	0.0038				
			<b>Coarse Fract</b>	<b>0.4169</b>				
			<b>Sieve Total</b>	<b>0.4056</b>				
			<b>Sieve Loss</b>	<b>0.0113</b>				

Cruise No. MMS 1987  
 Sample No. M4/3

Total Weight 10.154

Weight >4ph 9.8244  
 Weight <4ph 0.3298

Phi Size	Dry Wt Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol) Wt Mat.	In Size Weight %	Cum Wt %	Coar	Overall Wt %
Total	<b>29.0575</b>	28.8566	0.2009	0.196488	9.8244	xxx	3.25%		
4.5	<b>26.998</b>	26.7985	0.1975	0.193088	9.6544	0.17	1.73%		1.67%
5	<b>27.0641</b>	26.8912	0.1929	0.188488	9.4244	0.23	2.34%		2.27%
5.5	<b>29.2535</b>	29.0689	0.1846	0.180188	9.0094	0.415	4.22%		4.09%
6	<b>28.9531</b>	26.7771	0.176	0.171588	8.5794	0.43	4.38%		4.23%
7	<b>29.5341</b>	29.3743	0.1598	0.155388	7.7694	0.81	8.24%		7.98%
8	<b>29.285</b>	29.1394	0.1256	0.121188	6.0594	1.71	17.41%		16.84%
9	<b>26.7983</b>	26.6872	0.1111	0.106688	5.3344	0.725	7.38%		7.14%
10	<b>26.8601</b>	26.8112	0.0689	0.064488	3.2244	2.11	21.48%		20.78%
						3.2244	32.82%		31.75%

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.209	54.2189	0.0099	3.00%	0.10%		
10	-1 to -1.5	51.902	51.902	0	0.00%	0.00%		
14	-0.5 to -1	49.5722	49.5734	0.0012	0.36%	0.01%	% Gravel	0.10%
18	0 to -0.5	45.99	45.9941	0.0041	1.24%	0.04%	% Sand	3.13%
25	0.5 to 0.0	41.9504	41.9545	0.0041	1.24%	0.04%	% Silt	37.08%
35	1.0 to 0.5	43.8408	43.8466	0.0058	1.76%	0.06%	% Clay	59.67%
45	1.5 to 1.0	39.5835	39.6061	0.0226	6.86%	0.22%	% Sieve loss	0.00%
60	2.0 to 1.5	40.2391	40.2684	0.0293	8.89%	0.29%		
80	2.5 to 2.0	35.8925	35.9348	0.0423	12.83%	0.42%	% Total	99.98%
120	3.0 to 2.5	34.7216	34.773	0.0514	15.59%	0.51%		
170	3.5 to 3.0	34.0385	34.1456	0.1071	32.49%	1.05%		
230	4.0 to 3.5	33.767	33.8163	0.0493	14.96%	0.49%		
Pan	>4.0	21.3209	21.3239	0.003				
			Coarse Fract	0.3266				
			Sieve Total	0.3271				
			Sieve Loss	-0.0005				



Cruise No. MMS 1987  
 Sample No. M4/4

Total Weight 22.6224

Weight >4ph 20.8394  
 Weight <4ph 1.783

Phi Size	Dry Wt Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol) Wt	Mat. in Stz	Weight %	Cum Wt %	Coar	Overall Wt %
Total	<b>29.2498</b>	<b>28.8284</b>	<b>0.4212</b>	<b>0.416788</b>	<b>20.8394</b>	xxx	xxx	<b>7.88%</b>		
4.5	<b>28.3371</b>	<b>27.9211</b>	<b>0.416</b>	<b>0.411588</b>	<b>20.5794</b>	0.28	1.25%	9.03%		1.15%
5	<b>28.5204</b>	<b>28.117</b>	<b>0.4034</b>	<b>0.398988</b>	<b>19.9494</b>	0.63	3.02%	11.82%		2.78%
5.5	<b>28.3397</b>	<b>27.9519</b>	<b>0.3878</b>	<b>0.383388</b>	<b>19.1694</b>	0.78	3.74%	15.26%		3.45%
6	<b>27.9195</b>	<b>27.5457</b>	<b>0.3738</b>	<b>0.369388</b>	<b>18.4694</b>	0.7	3.36%	18.36%		3.09%
7	<b>27.5443</b>	<b>27.204</b>	<b>0.3403</b>	<b>0.335888</b>	<b>16.7944</b>	1.675	8.04%	25.76%		7.40%
8	<b>28.9591</b>	<b>28.8877</b>	<b>0.0714</b>	<b>0.066988</b>	<b>3.3494</b>	13.445	64.52%	85.19%		59.43%
9	<b>28.9163</b>	<b>28.8663</b>	<b>0.05</b>	<b>0.045588</b>	<b>2.2794</b>	1.07	5.13%	89.92%		4.73%
10	<b>28.5146</b>	<b>28.4816</b>	<b>0.033</b>	<b>0.028588</b>	<b>1.4294</b>	0.85	4.08%	93.68%		3.76%
						1.4294	6.86%			6.32%

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.209	54.2212	0.0122	0.68%	0.05%		
10	-1 to -1.5	51.902	51.902	0	0.00%	0.00%		
14	-0.5 to -1	49.5722	49.5804	0.0082	0.46%	0.04%	% Gravel	0.05%
18	0 to -0.5	45.99	45.997	0.007	0.39%	0.03%	% Sand	7.69%
25	0.5 to 0.0	41.9504	41.9622	0.0118	0.66%	0.05%	% Silt	77.30%
35	1.0 to 0.5	43.8408	43.8535	0.0127	0.71%	0.06%	% Clay	14.81%
45	1.5 to 1.0	39.5835	39.6543	0.0708	3.97%	0.31%	% Sieve loss	0.06%
60	2.0 to 1.5	40.2391	40.3595	0.1204	6.75%	0.53%		
80	2.5 to 2.0	35.8925	36.1339	0.2414	13.54%	1.07%	% Total	99.91%
120	3.0 to 2.5	34.7216	35.146	0.4244	23.80%	1.88%		
170	3.5 to 3.0	34.0385	34.661	0.6225	34.91%	2.75%		
230	4.0 to 3.5	33.767	33.9855	0.2185	12.25%	0.97%		
Pan	>4.0	21.3209	21.3415	0.0206				
			Coarse Fract	1.7624				
			Sieve Total	1.7499				
			Sieve Loss	0.0125				

Cruise No. MMS 1987  
 Sample No. M4/5

Total Weight 21.2386

Weight >4ph 19.7594  
 Weight <4ph 1.4792

Phi Size	Dry Wt Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol) Wt	Mat. In Siz	Weight %	Cum Wt % Coa	Overall Wt %
Total	<b>28.4718</b>	<b>28.0722</b>	0.3996	0.395188	19.7594	xxx	xxx	6.96%	
4.5	<b>28.621</b>	28.2317	0.3893	0.384888	19.2444	0.515	2.61%	9.39%	2.42%
5	<b>28.8508</b>	28.4744	0.3764	0.371988	18.5994	0.645	3.26%	12.43%	3.04%
5.5	<b>29.5994</b>	29.2433	0.3561	0.351688	17.5844	1.015	5.14%	17.21%	4.78%
6	<b>28.8755</b>	26.534	0.3415	0.337088	16.8544	0.73	3.69%	20.64%	3.44%
7	<b>28.5762</b>	26.2729	0.3033	0.298888	14.9444	1.91	9.67%	29.64%	8.99%
8	<b>28.1488</b>	28.0791	0.0697	0.065288	3.2644	11.68	59.11%	84.63%	54.99%
9	<b>28.4661</b>	28.4167	0.0494	0.044988	2.2494	1.015	5.14%	89.41%	4.78%
10	<b>30.2584</b>	30.2265	0.0319	0.027488	1.3744	0.875	4.43%	93.53%	4.12%
						1.3744	6.96%		6.47%

US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.208	54.2242	0.0162	1.10%	0.08%		
10	-1 to -1.5	51.9016	51.9038	0.0022	0.15%	0.01%		
14	-0.5 to -1	49.5722	49.5745	0.0023	0.16%	0.01%	% Gravel	0.09%
18	0 to -0.5	45.99	45.9971	0.0071	0.48%	0.03%	% Sand	6.84%
25	0.5 to 0.0	41.9504	41.9604	0.01	0.68%	0.05%	% Silt	77.66%
35	1.0 to 0.5	43.84	43.8508	0.0108	0.73%	0.05%	% Clay	15.37%
45	1.5 to 1.0	39.5835	39.6344	0.0509	3.44%	0.24%	% Sieve loss	-0.01%
60	2.0 to 1.5	40.2375	40.3153	0.0778	5.26%	0.37%		
80	2.5 to 2.0	35.8905	36.0453	0.1548	10.47%	0.73%	% Total	99.95%
120	3.0 to 2.5	34.7288	35.0436	0.3148	21.28%	1.48%		
170	3.5 to 3.0	34.0372	34.6269	0.5897	39.87%	2.78%		
230	4.0 to 3.5	33.7678	34.0004	0.2326	15.72%	1.10%		
Pan	>4.0	21.3209	21.3328	0.0119				
			Coarse Fract	1.4673				
			Sieve Total	1.4692				
			Sieve Loss	-0.0019				

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Cruise No. MMS 1987  
 Sample No. M4/8

Total Weight 23.967

Weight >4ph 22.0294  
 Weight <4ph 1.9378

Phi Size	Dry Wt Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol) Wt	Mat. in Stz	Weight %	Cum Wt %	Coa	Overall Wt %
Total	<b>29.7528</b>	29.3078	0.445	0.440588	22.0294	xxx	xxx	8.08%		
4.5	<b>28.627</b>	28.1881	0.4389	0.434488	21.7244	0.305	1.38%	9.36%		1.27%
5	<b>29.5051</b>	29.0804	0.4247	0.420288	21.0144	0.71	3.22%	12.32%		2.96%
5.5	<b>28.0804</b>	25.676	0.4044	0.399988	19.9994	1.015	4.61%	16.55%		4.23%
6	<b>30.1799</b>	29.7901	0.3898	0.385388	19.2694	0.73	3.31%	19.60%		3.05%
7	<b>28.9033</b>	28.5568	0.3465	0.342088	17.1044	2.165	9.83%	28.63%		9.03%
8	<b>28.741</b>	28.6781	0.0629	0.058488	2.9244	14.18	64.37%	87.80%		59.16%
9	<b>27.9437</b>	27.8959	0.0478	0.043388	2.1694	0.755	3.43%	90.95%		3.15%
10	<b>30.2668</b>	30.2316	0.0352	0.030788	1.5394	0.63	2.86%	93.58%		2.63%
						1.5394	6.99%			6.42%

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.208	54.208	0	0.00%	0.00%		
10	-1 to -1.5	51.9016	51.9134	0.0118	0.61%	0.05%		
14	-0.5 to -1	49.5722	49.5792	0.007	0.36%	0.03%	% Gravel	0.05%
18	0 to -0.5	45.99	46.007	0.017	0.88%	0.07%	% Sand	7.95%
25	0.5 to 0.0	41.9504	41.968	0.0176	0.91%	0.07%	% Silt	79.70%
35	1.0 to 0.5	43.84	43.8653	0.0253	1.31%	0.11%	% Clay	12.20%
45	1.5 to 1.0	39.5835	39.6961	0.1126	5.81%	0.47%	% Sieve loss	0.05%
60	2.0 to 1.5	40.2375	40.383	0.1455	7.51%	0.61%		
80	2.5 to 2.0	35.8905	36.1271	0.2366	12.21%	0.99%	% Total	99.95%
120	3.0 to 2.5	34.7025	35.127	0.4245	21.91%	1.77%		
170	3.5 to 3.0	34.0372	34.7359	0.6987	36.06%	2.92%		
230	4.0 to 3.5	33.7678	33.9862	0.2184	11.27%	0.91%		
Pan	>4.0	21.3209	21.3305	0.0096				
			Coarse Fract	1.928				
			Sieve Total	1.915				
			Sieve Loss	0.013				

Cruise No. MMS 1987  
 Sample No. D1/1

Total Weight 50.3668

Weight >4ph  
 Weight <4ph

0.5294  
 49.8374

Phi Size	Dry Wt Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol) Wt Mat.	In Siz	Weight %	Cum Wt %	Coar	Overall Wt %
Total	<b>27.427</b>	27.412	0.015	0.010588	0.5294	xxx	xxx	98.95%		
4.5	<b>27.4979</b>	27.4831	0.0148	0.010388	0.5194	0.01	1.89%	98.97%		0.02%
5	<b>29.0368</b>	29.024	0.0148	0.010388	0.5194	2.000622E-13	0.00%	98.97%		0.00%
5.5	<b>25.908</b>	25.8912	0.0148	0.010388	0.5194	0	0.00%	98.97%		0.00%
6	<b>29.3279</b>	29.3136	0.0143	0.009888	0.4944	0.025	4.72%	99.02%		0.05%
7	<b>28.5698</b>	28.5558	0.0138	0.009388	0.4694	0.025	4.72%	99.07%		0.05%
8	<b>25.7811</b>	25.7673	0.0138	0.009388	0.4694	0	0.00%	99.07%		0.00%
9	<b>27.9147</b>	27.9009	0.0138	0.009388	0.4694	0	0.00%	99.07%		0.00%
10	<b>28.0708</b>	28.0577	0.0131	0.008688	0.4344	0.035	6.61%	99.14%		0.07%
						0.4344	82.06%			0.86%

US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.22	<b>54.4077</b>	0.1877	0.38%	0.37%		
10	-1 to -1.5	51.9155	<b>52.0232</b>	0.1077	0.22%	0.21%		
14	-0.5 to -1	49.5864	<b>49.7113</b>	0.1249	0.25%	0.25%	% Gravel	0.58%
18	0 to -0.5	46.002	<b>46.1807</b>	0.1787	0.36%	0.35%	% Sand	97.74%
25	0.5 to 0.0	41.9615	<b>42.2549</b>	0.2934	0.59%	0.58%	% Silt	0.12%
35	1.0 to 0.5	43.8539	<b>44.4452</b>	0.5913	1.19%	1.17%	% Clay	0.93%
45	1.5 to 1.0	39.6199	<b>48.3008</b>	8.6807	17.42%	17.23%	% Sieve loss	0.10%
60	2.0 to 1.5	40.2563	<b>61.9133</b>	21.657	43.46%	43.00%		
80	2.5 to 2.0	35.9044	<b>50.4984</b>	14.592	29.28%	28.97%	% Total	99.47%
120	3.0 to 2.5	34.6815	<b>37.4927</b>	2.8112	5.64%	5.58%		
170	3.5 to 3.0	34.0544	<b>34.345</b>	0.2906	0.58%	0.58%		
230	4.0 to 3.5	33.7572	<b>33.7741</b>	0.0169	0.03%	0.03%		
Pan	>4.0	21.396	<b>21.8494</b>	0.2534				

Coarse Fract 49.584  
 Sieve Total 49.5321  
 Sieve Loss 0.0519

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Cruise No. MMS 1987  
 Sample No. D1/2

Total Weight 46.6195

Weight >4ph 0.6444  
 Weight <4ph 45.9751

Phi Size	Dry Wt Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol) Wt Mat.	In Siz	Weight %	Cum Wt % Coar	Overall Wt %
Total	<b>28.8739</b>	<b>28.8566</b>	<b>0.0173</b>	<b>0.012888</b>	<b>0.6444</b>	x.xx	x.xx	98.62%	
4.5	<b>26.8152</b>	<b>26.7985</b>	<b>0.0167</b>	<b>0.012288</b>	<b>0.6144</b>	0.03	4.66%	98.68%	0.06%
5	<b>26.9075</b>	<b>26.8912</b>	<b>0.0163</b>	<b>0.011888</b>	<b>0.5944</b>	0.02	3.10%	98.72%	0.04%
5.5	<b>29.0851</b>	<b>29.0689</b>	<b>0.0162</b>	<b>0.011788</b>	<b>0.5894</b>	0.005	0.78%	98.74%	0.01%
6	<b>28.7927</b>	<b>26.7771</b>	<b>0.0156</b>	<b>0.011188</b>	<b>0.5594</b>	0.03	4.66%	98.80%	0.06%
7	<b>29.3898</b>	<b>29.3743</b>	<b>0.0153</b>	<b>0.010888</b>	<b>0.5444</b>	0.015	2.33%	98.83%	0.03%
8	<b>29.1542</b>	<b>29.1394</b>	<b>0.0148</b>	<b>0.010388</b>	<b>0.5194</b>	0.025	3.88%	98.89%	0.05%
9	<b>26.7019</b>	<b>26.6872</b>	<b>0.0147</b>	<b>0.010288</b>	<b>0.5144</b>	0.005	0.78%	98.90%	0.01%
10	<b>26.8252</b>	<b>26.8112</b>	<b>0.014</b>	<b>0.009588</b>	<b>0.4794</b>	0.035	5.43%	98.97%	0.08%
						0.4794	74.39%		1.03%

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.22	54.22	0	0.00%	0.00%		
10	-1 to -1.5	51.9155	51.9851	0.0696	0.15%	0.15%		
14	-0.5 to -1	49.5864	49.6095	0.0231	0.05%	0.05%	% Gravel	0.15%
18	0 to -0.5	46.002	46.043	0.041	0.09%	0.09%	% Sand	97.99%
25	0.5 to 0.0	41.9615	42.1293	0.1678	0.36%	0.36%	% Silt	0.25%
35	1.0 to 0.5	43.8539	44.226	0.3721	0.81%	0.80%	% Clay	1.12%
45	1.5 to 1.0	39.6199	49.6667	10.0468	21.85%	21.55%	% Sieve loss	0.42%
60	2.0 to 1.5	40.2563	59.6133	19.357	42.10%	41.52%		
80	2.5 to 2.0	35.9044	47.8949	11.9905	26.08%	25.72%	% Total	99.93%
120	3.0 to 2.5	34.6815	38.0606	3.3791	7.35%	7.25%		
170	3.5 to 3.0	34.0544	34.3464	0.292	0.64%	0.63%		
230	4.0 to 3.5	33.7572	33.7671	0.0099	0.02%	0.02%		
Pan	>4.0	21.396	21.4246	0.0286				
			Coarse Fract	45.9465				
			Sieve Total	45.7489				
			Sieve Loss	0.1976				

Cruise No. MMS 1987  
 Sample No. D1/3

Total Weight 44.2136

Weight >4ph 0.6094  
 Weight <4ph 43.6042

Phi Size	Dry Wt Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol) Wt	Mat. In Siz	Weight %	Cum Wt %	Coar	Overall Wt %
Total	28.845	28.8284	0.0166	0.012188	0.6094	xxx	xxx	98.62%		
4.5	27.9378	27.9211	0.0165	0.012088	0.6044	0.005	0.82%	98.63%		0.01%
5	28.1334	28.117	0.0164	0.011988	0.5994	0.005	0.82%	98.64%		0.01%
5.5	27.9683	27.9519	0.0164	0.011988	0.5994	0	0.00%	98.64%		0.00%
6	27.562	27.5457	0.0163	0.011888	0.5944	0.005	0.82%	98.66%		0.01%
7	27.2195	27.204	0.0155	0.011088	0.5544	0.04	6.56%	98.75%		0.09%
8	28.9028	28.8877	0.0149	0.010488	0.5244	0.03	4.92%	98.81%		0.07%
9	28.8803	28.8663	0.014	0.009588	0.4794	0.045	7.38%	98.92%		0.10%
10	28.4852	28.4816	0.0136	0.009188	0.4594	0.02	3.28%	98.96%		0.05%
						0.4594	75.39%			1.04%

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.22	54.3079	0.0879	0.20%	0.20%		
10	-1 to -1.5	51.9155	52.0005	0.085	0.19%	0.19%		
14	-0.5 to -1	49.5864	49.6652	0.0788	0.18%	0.18%	% Gravel	0.39%
18	0 to -0.5	46.002	46.1377	0.1357	0.31%	0.31%	% Sand	97.85%
25	0.5 to 0.0	41.9615	42.25	0.2885	0.66%	0.65%	% Silt	0.19%
35	1.0 to 0.5	43.8539	44.6092	0.7553	1.73%	1.71%	% Clay	1.19%
45	1.5 to 1.0	39.6251	46.9219	7.2968	16.73%	16.50%	% Sieve loss	0.37%
60	2.0 to 1.5	40.2605	59.1158	18.8553	43.24%	42.65%		
80	2.5 to 2.0	35.8946	48.6145	12.7199	29.17%	28.77%	% Total	99.99%
120	3.0 to 2.5	34.6714	37.4758	2.8044	6.43%	6.34%		
170	3.5 to 3.0	34.0445	34.355	0.3105	0.71%	0.70%		
230	4.0 to 3.5	33.7453	33.7627	0.0174	0.04%	0.04%		
Pan	>4.0	21.396	21.4	0.004				

Coarse Fract 43.6002  
 Sieve Total 43.4355  
 Sieve Loss 0.1647

Cruise No. MMS 1987  
 Sample No. D1/4

Total Weight 49.1447

Weight >4ph 0.6144  
 Weight <4ph 48.5303

Phi Size	Dry Wt Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol) Wt Mat.	In Size	Weight %	Cum Wt % Coar	Overall Wt %
Total	28.0889	28.0722	0.0167	0.012288	0.6144	xxx	xxx	98.75%	
4.5	28.2481	28.2317	0.0164	0.011988	0.5994	0.015	2.44%	98.78%	0.03%
5	28.4908	28.4744	0.0162	0.011788	0.5894	0.01	1.63%	98.80%	0.02%
5.5	29.2592	29.2433	0.0159	0.011488	0.5744	0.015	2.44%	98.83%	0.03%
6	28.5498	28.534	0.0158	0.011388	0.5694	0.005	0.81%	98.84%	0.01%
7	28.2887	28.2729	0.0158	0.011388	0.5694	1.501022E-13	0.00%	98.84%	0.00%
8	28.0942	28.0791	0.0151	0.010688	0.5344	0.035	5.70%	98.91%	0.07%
9	28.431	28.4167	0.0143	0.009888	0.4944	0.04	6.51%	98.99%	0.08%
10	30.2403	30.2265	0.0138	0.009388	0.4694	0.025	4.07%	99.04%	0.05%
						0.4694	76.40%		0.96%

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.22	54.2634	0.0434	0.09%	0.09%		
10	-1 to -1.5	51.9155	51.9403	0.0248	0.05%	0.05%		
14	-0.5 to -1	49.5864	49.6751	0.0887	0.18%	0.18%	% Gravel	0.14%
18	0 to -0.5	46.002	46.1509	0.1489	0.31%	0.30%	% Sand	98.42%
25	0.5 to 0.0	41.9615	42.303	0.3415	0.70%	0.69%	% Silt	0.16%
35	1.0 to 0.5	43.8539	44.4189	0.565	1.16%	1.15%	% Clay	1.09%
45	1.5 to 1.0	39.6245	49.0473	9.4228	19.42%	19.17%	% Sieve loss	0.13%
60	2.0 to 1.5	40.2556	62.2394	21.9838	45.30%	44.73%		
80	2.5 to 2.0	35.8959	48.0542	12.1583	25.05%	24.74%	% Total	99.94%
120	3.0 to 2.5	34.671	37.894	3.223	6.64%	6.56%		
170	3.5 to 3.0	34.0427	34.4554	0.4127	0.85%	0.84%		
230	4.0 to 3.5	33.7438	33.7756	0.0318	0.07%	0.06%		
Pan	>4.0	21.3393	21.36	0.0207				
			Coarse Fract	48.5096				
			Sieve Total	48.4447				
			Sieve Loss	0.0649				

Cruise No. MMS 1987  
 Sample No. D1/5

Total Weight 51.2213

Weight >4ph 0.6094  
 Weight <4ph 50.6119

Phi Size	Dry Wt	Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol)	Wt Mat. in Stz	Weight %	Cum Wt %	Coar	Overall Wt %
Total	29.3244		29.3078	0.0166	0.012188	0.6094	xxx	xxx	98.81%		
4.5	28.2045		28.1881	0.0164	0.011968	0.5994	0.01	1.64%	98.83%		0.02%
5	29.0968		29.0804	0.0164	0.011968	0.5994	0	0.00%	98.83%		0.00%
5.5	25.6923		25.676	0.0163	0.011888	0.5944	0.005	0.82%	98.84%		0.01%
6	29.8059		29.7901	0.0158	0.011388	0.5694	0.025	4.10%	98.89%		0.05%
7	28.5728		28.5568	0.0158	0.011388	0.5694	0	0.00%	98.89%		0.00%
8	28.6935		28.6781	0.0154	0.010968	0.5494	0.02	3.28%	98.93%		0.04%
9	27.9112		27.8959	0.0153	0.010888	0.5444	0.005	0.82%	98.94%		0.01%
10	30.2461		30.2316	0.0145	0.010088	0.5044	0.04	6.56%	99.02%		0.08%
							0.5044	82.77%			0.98%

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.217	54.2433	0.0263	0.05%	0.05%		
10	-1 to -1.5	51.9129	51.9552	0.0423	0.08%	0.08%		
14	-0.5 to -1	49.5841	49.68	0.0959	0.19%	0.19%	% Gravel	0.13%
18	0 to -0.5	45.9993	46.1534	0.1541	0.30%	0.30%	% Sand	98.32%
25	0.5 to 0.0	41.959	42.2634	0.3044	0.60%	0.59%	% Silt	0.12%
35	1.0 to 0.5	43.855	44.3676	0.5126	1.01%	1.00%	% Clay	1.07%
45	1.5 to 1.0	39.6262	49.2345	9.6083	18.98%	18.76%	% Sieve loss	0.31%
60	2.0 to 1.5	40.2528	65.3387	25.0859	49.57%	48.98%		
80	2.5 to 2.0	35.8982	47.0211	11.1229	21.98%	21.72%	% Total	99.95%
120	3.0 to 2.5	34.671	37.4373	2.7663	5.47%	5.40%		
170	3.5 to 3.0	34.0423	34.73	0.6877	1.36%	1.34%		
230	4.0 to 3.5	33.7426	33.7615	0.0189	0.04%	0.04%		
Pan	>4.0	21.332	21.3615	0.0295				
			Coarse Fract	50.5824				
			Sieve Total	50.4256				
			Sieve Loss	0.1568				



Cruise No. MMS 1987  
 Sample No. d1-6

Total Weight 45.5999

Weight >4ph 0.9294  
 Weight <4ph 44.6705

Phi Size	Dry Wt	Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol)	Wt Mat. in Siz	Weight %	Cum Wt %	Coar	Overall Wt %
Total		<b>27.7888</b>	27.7658	0.023	0.018588	0.9294	xxx	xxx	97.96%		
4.5		<b>29.4588</b>	29.4378	0.022	0.017588	0.8794	0.05	5.38%	98.07%		0.11%
5		<b>28.2888</b>	28.2669	0.0217	0.017288	0.8644	0.015	1.61%	98.10%		0.03%
5.5		<b>28.509</b>	28.4882	0.0208	0.016388	0.8194	0.045	4.84%	98.20%		0.10%
6		<b>29.0972</b>	29.0774	0.0198	0.015388	0.7694	0.05	5.38%	98.31%		0.11%
7		<b>27.3908</b>	27.3721	0.0187	0.014288	0.7144	0.055	5.92%	98.43%		0.12%
8		<b>28.308</b>	28.2886	0.0174	0.012988	0.6494	0.065	6.99%	98.58%		0.14%
9		<b>28.9142</b>	28.8976	0.0166	0.012188	0.6094	0.04	4.30%	98.66%		0.09%
10		<b>27.5888</b>	27.572	0.0146	0.010188	0.5094	0.1	10.76%	98.88%		0.22%
							0.5094	54.81%			1.12%

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.2363	54.2463	0.01	0.02%	0.02%		
10	-1 to -1.5	51.9223	51.9455	0.0232	0.05%	0.05%		
14	-0.5 to -1	49.5921	49.6254	0.0333	0.07%	0.07%		
18	0 to -0.5	45.9994	46.0497	0.0503	0.11%	0.11%		% Gravel 0.07%
25	0.5 to 0.0	41.9593	42.1396	0.1803	0.40%	0.40%		% Sand 97.88%
35	1.0 to 0.5	43.8421	44.117	0.2749	0.62%	0.60%		% Silt 0.61%
45	1.5 to 1.0	39.6136	46.7922	7.1786	16.07%	15.74%		% Clay 1.43%
60	2.0 to 1.5	40.2457	57.12	16.8743	37.78%	37.01%		% Sieve loss 0.01%
80	2.5 to 2.0	35.8944	52.2245	16.3301	36.56%	35.81%		% Total 100.00%
120	3.0 to 2.5	34.6744	37.9833	3.3089	7.41%	7.26%		
170	3.5 to 3.0	34.0536	34.4359	0.3823	0.86%	0.84%		
230	4.0 to 3.5	33.7713	33.7914	0.0201	0.04%	0.04%		
Pan	>4.0	21.2732	21.2732	0				
			Coarse Fract	44.6705				
			Sieve Total	44.6663				
			Sieve Loss	0.0042				

Cruise No. MMS 1987  
 Sample No. D2/1

Total Weight 61.1957

Weight >4ph 0.9144  
 Weight <4ph 60.2813

Phi Size	Dry Wt Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol)	Wt Size Range	Weight %	Cum Wt % Coar	Overall Wt %
Total	<b>27.7885</b>	27.7658	0.0227	0.018288	0.9144		xxx	98.51%	
4.5	<b>29.4585</b>	29.4378	0.0207	0.016288	0.8144	0.1	10.94%	98.67%	0.16%
5	<b>28.2874</b>	28.2669	0.0205	0.016088	0.8044	0.01	1.09%	98.69%	0.02%
5.5	<b>28.5077</b>	28.4882	0.0195	0.015088	0.7544	0.05	5.47%	98.77%	0.08%
6	<b>29.0882</b>	29.0774	0.0188	0.014388	0.7194	0.035	3.83%	98.82%	0.06%
7	<b>27.3802</b>	27.3721	0.0181	0.013688	0.6844	0.035	3.83%	98.88%	0.06%
8	<b>28.3088</b>	28.2886	0.018	0.013588	0.6794	0.005	0.55%	98.89%	0.01%
9	<b>28.9153</b>	28.8976	0.0177	0.013288	0.6644	0.015	1.64%	98.91%	0.02%
10	<b>27.5879</b>	27.572	0.0159	0.011488	0.5744	0.09	9.84%	99.06%	0.15%
						0.5744	62.82%		0.94%

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.2123	<b>54.341</b>	0.1287	0.21%	0.21%		
10	-1 to -1.5	51.9032	<b>52.0715</b>	0.1683	0.28%	0.28%		
14	-0.5 to -1	49.572	<b>49.9484</b>	0.3774	0.63%	0.62%	% Gravel	0.49%
18	0 to -0.5	45.9871	<b>46.634</b>	0.6469	1.07%	1.06%	% Sand	97.40%
25	0.5 to 0.0	41.965	<b>43.5487</b>	1.5847	2.63%	2.59%	% Silt	0.39%
35	1.0 to 0.5	43.8501	<b>45.8124</b>	1.9623	3.26%	3.21%	% Clay	1.11%
45	1.5 to 1.0	39.599	<b>63.8308</b>	24.3319	40.36%	39.76%	% Sieve loss	0.63%
60	2.0 to 1.5	40.228	<b>64.4537</b>	24.2257	40.19%	39.59%		
80	2.5 to 2.0	35.8697	<b>41.8408</b>	5.9711	9.91%	9.76%	% Total	100.02%
120	3.0 to 2.5	34.6473	<b>35.0824</b>	0.4451	0.74%	0.73%		
170	3.5 to 3.0	34.03	<b>34.0744</b>	0.0444	0.07%	0.07%		
230	4.0 to 3.5	33.7196	<b>33.7272</b>	0.0076	0.01%	0.01%		
Pan	>4.0	21.7734	<b>21.7743</b>	0.0009				

Coarse Fract 60.2804  
 Sieve Total 59.8941  
 Sieve Loss 0.3863

Cruise No. MMS 1987  
 Sample No. D2/2

Total Weight 56.3266

Weight >4ph 0.8294  
 Weight <4ph 55.4972

Phi Size	Dry Wt	Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol)	Wt Mat.	In Siz	Weight %	Cum Wt %	Coar	Overall Wt %
Total			<b>27.433</b>	27.412	0.021	0.016588	0.8294	xxx	xxx	98.53%		
4.5			<b>27.5029</b>	27.4831	0.0198	0.015388	0.7694	0.06	7.23%	98.63%		0.11%
5			<b>29.0431</b>	29.0238	0.0193	0.014888	0.7444	0.025	3.01%	98.68%		0.04%
5.5			<b>25.9098</b>	25.8912	0.0186	0.014188	0.7094	0.035	4.22%	98.74%		0.06%
6			<b>29.3317</b>	29.3136	0.0181	0.013688	0.6844	0.025	3.01%	98.78%		0.04%
7			<b>28.5729</b>	28.5558	0.0171	0.012688	0.6344	0.05	6.03%	98.87%		0.09%
8			<b>25.784</b>	25.7671	0.0169	0.012488	0.6244	0.01	1.21%	98.89%		0.02%
9			<b>27.918</b>	27.9009	0.0171	0.012688	0.6344	-0.01	-1.21%	98.87%		-0.02%
10			<b>28.0739</b>	28.0577	0.0162	0.011788	0.5894	0.045	5.43%	98.95%		0.08%
							0.5894		71.06%			1.05%

US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.2097	<b>54.2894</b>	0.0797	0.14%	0.14%		
10	-1 to -1.5	51.9007	<b>51.994</b>	0.0933	0.17%	0.17%		
14	-0.5 to -1	49.572	<b>49.6999</b>	0.1279	0.23%	0.23%		
18	0 to -0.5	45.9892	<b>46.2895</b>	0.2803	0.51%	0.50%	% Gravel	0.31%
25	0.5 to 0.0	41.9658	<b>42.6193</b>	0.6535	1.18%	1.16%	% Sand	97.57%
35	1.0 to 0.5	43.852	<b>45.1073</b>	1.2553	2.26%	2.23%	% Silt	0.36%
45	1.5 to 1.0	39.6026	<b>66.233</b>	26.6304	47.99%	47.28%	% Clay	1.11%
60	2.0 to 1.5	40.2232	<b>61.1316</b>	20.9084	37.67%	37.12%	% Sieve loss	0.65%
80	2.5 to 2.0	35.8663	<b>40.4965</b>	4.6302	8.34%	8.22%	% Total	100.00%
120	3.0 to 2.5	34.6431	<b>35.0423</b>	0.3992	0.72%	0.71%		
170	3.5 to 3.0	34.032	<b>34.0868</b>	0.0548	0.10%	0.10%		
230	4.0 to 3.5	33.7224	<b>33.7324</b>	0.01	0.02%	0.02%		
Pan	>4.0	21.9946	<b>22.0005</b>	0.0059				
			Coarse Fract	55.4913				
			Sieve Total	55.123				
			Sieve Loss	0.3683				

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Cruise No. MMS 1987  
 Sample No. D2/3

Total Weight 62.392

Weight >4ph  
 Weight <4ph

0.8594  
 61.5326

Phi Size	Dry Wt Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol)	Wt Mat. In Siz	Weight %	Cum Wt % Coa	Overall Wt %
Total	28.8782	28.8566	0.0216	0.017188	0.8594	xxx	xxx	98.62%	
4.5	26.8188	26.7985	0.0203	0.015888	0.7944	0.065	7.56%	98.73%	0.10%
5	26.9111	26.8912	0.0199	0.015488	0.7744	0.02	2.33%	98.76%	0.03%
5.5	29.0688	29.0689	0.0197	0.015288	0.7644	0.01	1.16%	98.77%	0.02%
6	26.7962	26.7771	0.0191	0.014688	0.7344	0.03	3.49%	98.82%	0.05%
7	29.3832	29.3743	0.0189	0.014488	0.7244	0.01	1.16%	98.84%	0.02%
8	29.1583	29.1394	0.0189	0.014488	0.7244	-1.49991E-13	0.00%	98.84%	0.00%
9	26.7061	26.6872	0.0189	0.014488	0.7244	1.499911E-13	0.00%	98.84%	0.00%
10	26.8298	26.8112	0.0186	0.014188	0.7094	0.015	1.75%	98.86%	0.02%
						0.7094	82.55%		1.14%

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.2097	54.3392	0.1295	0.21%	0.21%		
10	-1 to -1.5	51.9007	52.0387	0.138	0.22%	0.22%		
14	-0.5 to -1	49.572	49.844	0.272	0.44%	0.44%	% Gravel	0.43%
18	0 to -0.5	45.9892	46.3886	0.3994	0.65%	0.64%	% Sand	95.20%
25	0.5 to 0.0	41.9658	43.1073	1.1415	1.86%	1.83%	% Silt	0.22%
35	1.0 to 0.5	43.852	46.1601	2.3081	3.75%	3.70%	% Clay	1.16%
45	1.5 to 1.0	39.6026	68.366	28.7634	46.74%	46.10%	% Sieve loss	2.15%
60	2.0 to 1.5	40.2232	61.6106	21.3874	34.76%	34.28%		
80	2.5 to 2.0	35.8663	40.5415	4.6752	7.60%	7.49%	% Total	99.16%
120	3.0 to 2.5	34.6431	35.0307	0.3876	0.63%	0.62%		
170	3.5 to 3.0	34.032	34.0846	0.0526	0.09%	0.08%		
230	4.0 to 3.5	33.7224	33.7338	0.0114	0.02%	0.02%		
Pan	>4.0	21.9946	22.521	0.5264				
			Coarse Fract	61.0062				
			Sieve Total	59.6661				
			Sieve Loss	1.3401				

Cruise No. MMS 1987  
 Sample No. D2/4

Total Weight 52.7673

Weight >4ph 0.7194  
 Weight <4ph 52.0479

Phi Size	Dry Wt Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol) Wt	Mat. In Stz	Weight %	Cum Wt %	Coar	Overall Wt %
Total	<b>28.8472</b>	28.8284	0.0188	0.014388	0.7194	xxx	xxx	98.64%		
4.5	<b>27.9393</b>	27.9211	0.0182	0.013788	0.6894	0.03	4.17%	98.69%		0.06%
5	<b>28.1349</b>	28.117	0.0179	0.013488	0.6744	0.015	2.09%	98.72%		0.03%
5.5	<b>27.9665</b>	27.9519	0.0176	0.013188	0.6594	0.015	2.09%	98.75%		0.03%
6	<b>27.563</b>	27.5457	0.0173	0.012888	0.6444	0.015	2.09%	98.78%		0.03%
7	<b>27.2208</b>	27.204	0.0168	0.012388	0.6194	0.025	3.48%	98.83%		0.05%
8	<b>28.9044</b>	28.8877	0.0167	0.012288	0.6144	0.005	0.70%	98.84%		0.01%
9	<b>28.8629</b>	28.8663	0.0166	0.012188	0.6094	0.005	0.70%	98.85%		0.01%
10	<b>28.4975</b>	28.4816	0.0159	0.011488	0.5744	0.035	4.87%	98.91%		0.07%
						0.5744	79.84%			1.09%

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.2097	54.2097	0	0.00%	0.00%		
10	-1 to -1.5	51.9007	51.9809	0.0802	0.15%	0.15%		
14	-0.5 to -1	49.572	49.6698	0.0978	0.19%	0.19%	% Gravel	0.15%
18	0 to -0.5	45.9692	46.2228	0.2336	0.45%	0.44%	% Sand	97.00%
25	0.5 to 0.0	41.9658	42.5492	0.5834	1.12%	1.11%	% Silt	0.21%
35	1.0 to 0.5	43.852	45.1842	1.3322	2.56%	2.52%	% Clay	1.17%
45	1.5 to 1.0	39.6026	66.4504	26.8478	51.58%	50.88%	% Sieve loss	0.97%
60	2.0 to 1.5	40.2232	57.995	17.7718	34.15%	33.68%		
80	2.5 to 2.0	35.8663	39.748	3.8817	7.46%	7.36%	% Total	99.50%
120	3.0 to 2.5	34.6431	35.0206	0.3775	0.73%	0.72%		
170	3.5 to 3.0	34.032	34.0798	0.0478	0.09%	0.09%		
230	4.0 to 3.5	33.7224	33.73	0.0076	0.01%	0.01%		
Pan	>4.0	21.9946	22.2672	0.2726				
			Coarse Fract	51.7753				
			Sieve Total	51.2614				
			Sieve Loss	0.5139				

Cruise No. MMS 1987  
 Sample No. D2/5

Total Weight 58.5362

Weight >4ph 0.8194  
 Weight <4ph 57.7168

Phi Size	Dry Wt	Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol) Wt	Mat. in Stz	Weight %	Cum Wt %	Coa	Overall Wt %
Total		<b>28.093</b>	<b>28.0722</b>	<b>0.0208</b>	<b>0.016388</b>	<b>0.8194</b>	<b>xxx</b>	<b>xxx</b>	<b>98.60%</b>		
4.5		<b>28.2514</b>	<b>28.2317</b>	<b>0.0197</b>	<b>0.015288</b>	<b>0.7644</b>	<b>0.055</b>	<b>6.71%</b>	<b>98.69%</b>		<b>0.09%</b>
5		<b>28.4938</b>	<b>28.4744</b>	<b>0.0194</b>	<b>0.014988</b>	<b>0.7494</b>	<b>0.015</b>	<b>1.83%</b>	<b>98.72%</b>		<b>0.03%</b>
5.5		<b>29.2625</b>	<b>29.2433</b>	<b>0.0192</b>	<b>0.014788</b>	<b>0.7394</b>	<b>0.01</b>	<b>1.22%</b>	<b>98.74%</b>		<b>0.02%</b>
6		<b>28.5534</b>	<b>26.534</b>	<b>0.0194</b>	<b>0.014988</b>	<b>0.7494</b>	<b>-0.01</b>	<b>-1.22%</b>	<b>98.72%</b>		<b>-0.02%</b>
7		<b>28.2919</b>	<b>26.2729</b>	<b>0.019</b>	<b>0.014588</b>	<b>0.7294</b>	<b>0.02</b>	<b>2.44%</b>	<b>98.75%</b>		<b>0.03%</b>
8		<b>28.0981</b>	<b>28.0791</b>	<b>0.019</b>	<b>0.014588</b>	<b>0.7294</b>	<b>0</b>	<b>0.00%</b>	<b>98.75%</b>		<b>0.00%</b>
9		<b>28.4352</b>	<b>28.4167</b>	<b>0.0185</b>	<b>0.014068</b>	<b>0.7044</b>	<b>0.025</b>	<b>3.05%</b>	<b>98.80%</b>		<b>0.04%</b>
10		<b>30.2432</b>	<b>30.2265</b>	<b>0.0167</b>	<b>0.012288</b>	<b>0.6144</b>	<b>0.09</b>	<b>10.98%</b>	<b>98.95%</b>		<b>0.15%</b>
							<b>0.6144</b>	<b>74.98%</b>			<b>1.05%</b>

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.2097	54.2348	0.0251	0.04%	0.04%		
10	-1 to -1.5	51.9007	51.9816	0.0809	0.14%	0.14%		
14	-0.5 to -1	49.572	49.709	0.137	0.24%	0.23%	% Gravel	0.18%
18	0 to -0.5	45.9892	46.3095	0.3203	0.55%	0.55%	% Sand	97.35%
25	0.5 to 0.0	41.9658	42.84	0.8742	1.51%	1.49%	% Silt	0.15%
35	1.0 to 0.5	43.852	45.5564	1.7044	2.95%	2.91%	% Clay	1.24%
45	1.5 to 1.0	39.6026	66.9174	27.3148	47.33%	46.66%	% Sieve loss	1.02%
60	2.0 to 1.5	40.2232	61.7282	21.505	37.26%	36.74%		
80	2.5 to 2.0	35.8663	40.4534	4.5871	7.95%	7.84%	% Total	99.94%
120	3.0 to 2.5	34.6431	35.1147	0.4716	0.82%	0.81%		
170	3.5 to 3.0	34.032	34.0925	0.0605	0.10%	0.10%		
230	4.0 to 3.5	33.7224	33.7327	0.0103	0.02%	0.02%		
Pan	>4.0	21.9946	22.0252	0.0306				
			Coarse Fract	57.6862				
			Sieve Total	57.0912				
			Sieve Loss	0.595				

Cruise No. MMS 1987  
 Sample No. D2/6

Total Weight 51.6993

Weight >4ph 0.7794  
 Weight <4ph 50.9199

Phi Size	Dry Wt Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol)	Wt Mat. In Stz	Weight %	Cum Wt %	Coar	Overall Wt %
Total	<b>29.3278</b>	29.3078	0.02	0.015588	0.7794	xxx	xxx	98.49%		
4.5	<b>28.2079</b>	28.1881	0.0198	0.015388	0.7694	0.01	1.28%	98.51%		0.02%
5	<b>29.0992</b>	29.0804	0.0188	0.014388	0.7194	0.05	6.42%	98.61%		0.10%
5.5	<b>25.8948</b>	25.676	0.0188	0.014388	0.7194	-1.49991E-13	0.00%	98.61%		0.00%
6	<b>29.8089</b>	29.7901	0.0188	0.014388	0.7194	0	0.00%	98.61%		0.00%
7	<b>28.5752</b>	28.5568	0.0184	0.013988	0.6994	0.02	2.57%	98.65%		0.04%
8	<b>31.4902</b>	31.472	0.0182	0.013788	0.6894	0.01	1.28%	98.67%		0.02%
9	<b>27.9138</b>	27.8959	0.0177	0.013288	0.6644	0.025	3.21%	98.71%		0.05%
10	<b>30.2484</b>	30.2316	0.0168	0.012388	0.6194	0.045	5.77%	98.80%		0.09%
						0.6194	79.47%			1.20%

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.2097	54.2439	0.0342	0.07%	0.07%		
10	-1 to -1.5	51.9007	51.9359	0.0352	0.07%	0.07%		
14	-0.5 to -1	49.572	49.7274	0.1554	0.31%	0.30%	% Gravel	0.14%
18	0 to -0.5	45.9892	46.2564	0.2672	0.52%	0.52%	% Sand	97.70%
25	0.5 to 0.0	41.9658	42.6901	0.7243	1.42%	1.40%	% Silt	0.18%
35	1.0 to 0.5	43.852	45.3417	1.4897	2.93%	2.88%	% Clay	1.34%
45	1.5 to 1.0	39.6026	66.1697	26.5671	52.17%	51.39%	% Sieve loss	0.19%
60	2.0 to 1.5	40.2232	56.928	16.7048	32.81%	32.31%		
80	2.5 to 2.0	35.8663	39.9909	4.1246	8.10%	7.98%	% Total	99.55%
120	3.0 to 2.5	34.6431	35.0597	0.4166	0.82%	0.81%		
170	3.5 to 3.0	34.032	34.0818	0.0498	0.10%	0.10%		
230	4.0 to 3.5	33.7224	33.7279	0.0055	0.01%	0.01%		
Pan	>4.0	21.9946	22.2422	0.2476				
			Coarse Fract	50.6723				
			Sieve Total	50.5744				
			Sieve Loss	0.0979				

Cruise No. MMS 1987  
 Sample No. D3/1

Total Weight 42.5521

Weight >4ph 5.1594  
 Weight <4ph 37.3927

Phi Size	Dry Wt Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol) Wt	Mat. in Stz	Weight %	Cum Wt % Coa	Overall Wt %
Total	<b>27.8734</b>	27.7658	0.1078	0.103188	5.1594	xxx	xxx	87.88%	
4.5	<b>29.5367</b>	29.4378	0.0989	0.094488	4.7244	0.435	8.43%	88.90%	1.02%
5	<b>28.3584</b>	28.2669	0.0915	0.087088	4.3544	0.37	7.17%	89.77%	0.87%
5.5	<b>28.574</b>	28.4882	0.0858	0.081388	4.0694	0.285	5.52%	90.44%	0.67%
6	<b>29.1589</b>	29.0774	0.0795	0.075088	3.7544	0.315	6.11%	91.18%	0.74%
7	<b>27.4431</b>	27.3721	0.071	0.066588	3.3294	0.425	8.24%	92.18%	1.00%
8	<b>28.3487</b>	28.2886	0.0601	0.055688	2.7844	0.545	10.56%	93.46%	1.28%
9	<b>28.951</b>	28.8976	0.0534	0.048988	2.4494	0.335	6.49%	94.24%	0.79%
10	<b>27.8108</b>	27.572	0.0386	0.034188	1.7094	0.74	14.34%	95.98%	1.74%
						1.7094	33.13%		4.02%

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.2138	<b>59.0844</b>	4.8706	13.03%	11.45%		
10	-1 to -1.5	51.9087	<b>55.8059</b>	3.8972	10.42%	9.16%		
14	-0.5 to -1	49.5789	<b>55.6544</b>	6.0755	16.25%	14.28%	% Gravel	20.61%
18	0 to -0.5	45.9975	<b>55.6827</b>	9.6652	25.85%	22.71%	% Sand	67.12%
25	0.5 to 0.0	41.9551	<b>47.7491</b>	5.794	15.50%	13.62%	% Silt	5.58%
35	1.0 to 0.5	43.8464	<b>45.8074</b>	1.961	5.24%	4.61%	% Clay	6.55%
45	1.5 to 1.0	39.5964	<b>42.6428</b>	3.0464	8.15%	7.16%	% Sieve loss	0.15%
60	2.0 to 1.5	40.2368	<b>41.344</b>	1.1072	2.96%	2.60%		
80	2.5 to 2.0	35.8974	<b>36.2789</b>	0.3815	1.02%	0.90%	% Total	100.01%
120	3.0 to 2.5	34.7177	<b>34.8969</b>	0.1792	0.48%	0.42%		
170	3.5 to 3.0	34.0461	<b>34.2875</b>	0.2414	0.65%	0.57%		
230	4.0 to 3.5	33.7711	<b>33.8759</b>	0.1048	0.28%	0.25%		
Pan	>4.0	21.3173	<b>21.3223</b>	0.005				
			Coarse Fract	37.3877				
			Sieve Total	37.324				
			Sieve Loss	0.0637				



Cruise No. MMS 1987  
 Sample No. D3/2

Total Weight 31.7099

Weight >4ph 6.5194  
 Weight <4ph 25.1905

Phi Size	Dry Wt Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol) Wt	Mat. In Size	Weight %	Cum Wt % Coar	Overall Wt %
Total	<b>27.5468</b>	<b>27.412</b>	<b>0.1348</b>	<b>0.130388</b>	<b>6.5194</b>	xxx	xxx	<b>79.44%</b>	
4.5	<b>27.6042</b>	<b>27.4831</b>	<b>0.1211</b>	<b>0.116688</b>	<b>5.8344</b>	0.685	10.51%	81.60%	2.16%
5	<b>29.1342</b>	<b>29.0238</b>	<b>0.1104</b>	<b>0.105988</b>	<b>5.2994</b>	0.535	8.21%	83.29%	1.69%
5.5	<b>25.9918</b>	<b>25.8912</b>	<b>0.1006</b>	<b>0.096188</b>	<b>4.8094</b>	0.49	7.52%	84.83%	1.55%
6	<b>29.4069</b>	<b>29.3136</b>	<b>0.0933</b>	<b>0.088888</b>	<b>4.4444</b>	0.365	5.60%	85.98%	1.15%
7	<b>28.6374</b>	<b>28.5558</b>	<b>0.0816</b>	<b>0.077188</b>	<b>3.8594</b>	0.585	8.97%	87.83%	1.84%
8	<b>25.8337</b>	<b>25.7671</b>	<b>0.0666</b>	<b>0.062188</b>	<b>3.1094</b>	0.75	11.50%	90.19%	2.37%
9	<b>27.9569</b>	<b>27.9009</b>	<b>0.059</b>	<b>0.054588</b>	<b>2.7294</b>	0.38	5.83%	91.39%	1.20%
10	<b>28.0998</b>	<b>28.0577</b>	<b>0.0421</b>	<b>0.037688</b>	<b>1.8844</b>	0.845	12.96%	94.06%	2.66%
						1.8844	28.90%		5.94%

US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.2138	<b>56.9701</b>	2.7563	10.94%	8.69%		
10	-1 to -1.5	51.9087	<b>54.2001</b>	2.2914	9.10%	7.23%		
14	-0.5 to -1	49.5789	<b>53.0713</b>	3.4924	13.86%	11.01%	% Gravel	15.92%
18	0 to -0.5	45.9975	<b>50.8158</b>	4.8183	19.13%	15.19%	% Sand	63.47%
25	0.5 to 0.0	41.9551	<b>46.2104</b>	4.2553	16.89%	13.42%	% Silt	10.76%
35	1.0 to 0.5	43.8522	<b>45.6652</b>	1.813	7.20%	5.72%	% Clay	9.80%
45	1.5 to 1.0	39.5964	<b>42.7988</b>	3.2024	12.71%	10.10%	% Sieve loss	0.04%
60	2.0 to 1.5	40.2368	<b>41.4407</b>	1.2039	4.78%	3.80%		
80	2.5 to 2.0	35.8974	<b>36.3868</b>	0.4894	1.94%	1.54%	% Total	99.99%
120	3.0 to 2.5	34.7177	<b>34.9923</b>	0.2746	1.09%	0.87%		
170	3.5 to 3.0	34.0461	<b>34.4603</b>	0.4142	1.64%	1.31%		
230	4.0 to 3.5	33.7711	<b>33.9329</b>	0.1618	0.64%	0.51%		
Pan	>4.0	21.3173	<b>21.3209</b>	0.0036				

Coarse Fract 25.1869  
 Sieve Total 25.173  
 Sieve Loss 0.0139

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Cruise No. MMS 1987  
 Sample No. D3/3

Total Weight 39.4418

Weight >4ph 6.6244  
 Weight <4ph 32.8174

Phi Size	Dry Wt Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol)	Wt Mat. in Siz	Weight %	Cum Wt % Coa	Overall Wt %
Total	<b>28.9835</b>	28.8566	0.1369	0.132488	6.6244	xxx	xxx	83.20%	
4.5	<b>26.9213</b>	26.7985	0.1228	0.118388	5.9194	0.705	10.64%	84.99%	1.79%
5	<b>27.0027</b>	26.8912	0.1115	0.107088	5.3544	0.565	8.53%	86.42%	1.43%
5.5	<b>28.172</b>	29.0689	0.1031	0.098688	4.9344	0.42	6.34%	87.49%	1.06%
6	<b>28.8733</b>	26.7771	0.0962	0.091788	4.5894	0.345	5.21%	88.36%	0.87%
7	<b>29.4591</b>	29.3743	0.0848	0.080388	4.0194	0.57	8.60%	89.81%	1.45%
8	<b>29.212</b>	29.1394	0.0726	0.068188	3.4094	0.61	9.21%	91.36%	1.55%
9	<b>28.7533</b>	26.6872	0.0661	0.061688	3.0844	0.325	4.91%	92.18%	0.82%
10	<b>28.8568</b>	26.8112	0.0476	0.043188	2.1594	0.925	13.96%	94.53%	2.35%
						2.1594	32.60%		5.47%

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.213	58.6095	4.3965	13.40%	11.15%		
10	-1 to -1.5	51.9076	54.8171	2.9095	8.87%	7.38%		
14	-0.5 to -1	49.5777	53.7619	4.1842	12.75%	10.61%	% Gravel	18.53%
18	0 to -0.5	46.003	52.1627	6.1597	18.77%	15.62%	% Sand	64.61%
25	0.5 to 0.0	41.977	47.2608	5.2838	16.10%	13.40%	% Silt	8.15%
35	1.0 to 0.5	43.8648	46.1111	2.2463	6.84%	5.70%	% Clay	8.64%
45	1.5 to 1.0	39.5999	43.9088	4.3089	13.13%	10.92%	% Sieve loss	0.05%
60	2.0 to 1.5	40.2322	41.9525	1.7203	5.24%	4.36%		
80	2.5 to 2.0	35.8906	36.5951	0.7045	2.15%	1.79%	% Total	99.98%
120	3.0 to 2.5	34.7029	35.0282	0.3253	0.99%	0.82%		
170	3.5 to 3.0	34.0449	34.4243	0.3794	1.16%	0.96%		
230	4.0 to 3.5	33.7642	33.9357	0.1715	0.52%	0.43%		
Pan	>4.0	21.3173	21.324	0.0067				
			Coarse Fract	32.8107				
			Sieve Total	32.7899				
			Sieve Loss	0.0208				

Cruise No. MMS 1987  
 Sample No. D3/4

Total Weight 41.4135

Weight >4ph 4.8144  
 Weight <4ph 36.5991

Phi Size	Dry Wt Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol) Wt Mat.	in Size	Weight %	Cum Wt % Coar	Overall Wt %
Total	<b>28.9291</b>	<b>28.8284</b>	0.1007	0.096288	4.8144	xxx	xxx	88.37%	
4.5	<b>28.0141</b>	27.9211	0.093	0.088588	4.4294	0.385	8.00%	89.30%	0.93%
5	<b>28.2043</b>	28.117	0.0873	0.082888	4.1444	0.285	5.92%	89.99%	0.69%
5.5	<b>28.0344</b>	27.9519	0.0825	0.078088	3.9044	0.24	4.99%	90.57%	0.58%
6	<b>27.8224</b>	27.5457	0.0767	0.072288	3.6144	0.29	6.02%	91.27%	0.70%
7	<b>27.2717</b>	27.204	0.0677	0.063288	3.1644	0.45	9.35%	92.36%	1.09%
8	<b>28.944</b>	28.8877	0.0563	0.051888	2.5944	0.57	11.84%	93.74%	1.38%
9	<b>28.9169</b>	28.8663	0.0506	0.046188	2.3094	0.285	5.92%	94.42%	0.69%
10	<b>28.5187</b>	28.4816	0.0371	0.032688	1.6344	0.675	14.02%	96.05%	1.63%
						1.6344	33.95%		3.95%

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.2125	63.095	8.8825	24.27%	21.45%		
10	-1 to -1.5	51.9066	56.0005	4.0939	11.19%	9.89%		
14	-0.5 to -1	49.5777	55.4179	5.8402	15.96%	14.10%	% Gravel	31.34%
18	0 to -0.5	45.0358	53.5773	8.5415	23.34%	20.62%	% Sand	56.98%
25	0.5 to 0.0	42	46.4931	4.4931	12.28%	10.85%	% Silt	5.37%
35	1.0 to 0.5	43.8741	45.3309	1.4568	3.98%	3.52%	% Clay	6.27%
45	1.5 to 1.0	39.6054	41.4	1.7946	4.90%	4.33%	% Sieve loss	0.04%
60	2.0 to 1.5	40.2325	40.8832	0.6507	1.78%	1.57%		
80	2.5 to 2.0	35.887	36.2131	0.3261	0.89%	0.79%	% Total	100.00%
120	3.0 to 2.5	34.6945	34.8904	0.1959	0.54%	0.47%		
170	3.5 to 3.0	34.0441	34.2598	0.2157	0.59%	0.52%		
230	4.0 to 3.5	33.7672	33.8532	0.086	0.23%	0.21%		
Pan	>4.0	21.314	21.3184	0.0044				
			Coarse Fract	36.5947				
			Sieve Total	36.577				
			Sieve Loss	0.0177				

Cruise No. MMS 1987  
 Sample No. D3/5

Total Weight 39.114

Weight >4ph 5.1894  
 Weight <4ph 33.9246

Phi Size	Dry Wt Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol) Wt Mat.	In Siz	Weight %	Cum Wt %	Coar	Overall Wt %
Total	<b>28.1804</b>	28.0722	0.1082	0.103788	5.1894	xxx	xxx	86.73%		
4.5	<b>28.3287</b>	28.2317	0.097	0.092588	4.6294	0.56	10.79%	88.16%		1.43%
5	<b>28.564</b>	28.4744	0.0896	0.085188	4.2594	0.37	7.13%	89.11%		0.95%
5.5	<b>29.3269</b>	29.2433	0.0836	0.079188	3.9594	0.3	5.78%	89.88%		0.77%
6	<b>28.6128</b>	26.534	0.0788	0.074388	3.7194	0.24	4.62%	90.49%		0.61%
7	<b>28.3431</b>	26.2729	0.0702	0.065788	3.2894	0.43	8.29%	91.59%		1.10%
8	<b>28.1367</b>	28.0791	0.0606	0.056188	2.8094	0.48	9.25%	92.82%		1.23%
9	<b>28.4725</b>	28.4167	0.0558	0.051388	2.5694	0.24	4.62%	93.43%		0.61%
10	<b>30.2684</b>	30.2265	0.0419	0.037488	1.8744	0.695	13.39%	95.21%		1.78%
						1.8744	36.12%			4.79%

A-86

US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.2116	58.284	4.0724	12.00%	10.41%		
10	-1 to -1.5	51.9066	54.0702	2.1636	6.38%	5.53%		
14	-0.5 to -1	49.5777	53.472	3.8943	11.48%	9.96%	% Gravel	15.94%
18	0 to -0.5	45.065	52.3832	7.2982	21.51%	18.66%	% Sand	70.71%
25	0.5 to 0.0	41.0137	47.4936	6.4799	19.10%	16.57%	% Silt	6.09%
35	1.0 to 0.5	43.876	46.272	2.396	7.06%	6.13%	% Clay	7.18%
45	1.5 to 1.0	39.6054	43.9404	4.335	12.78%	11.08%	% Sieve loss	0.06%
60	2.0 to 1.5	40.2303	42.0235	1.7932	5.29%	4.58%		
80	2.5 to 2.0	35.8838	36.668	0.7842	2.31%	2.00%		
120	3.0 to 2.5	34.694	34.9836	0.2896	0.85%	0.74%		
170	3.5 to 3.0	34.0441	34.312	0.2679	0.79%	0.68%		
230	4.0 to 3.5	33.7672	33.8872	0.12	0.35%	0.31%		
Pan	>4.0	21.314	21.3196	0.0056				
			Coarse Fract	33.919				
			Sieve Total	33.8943				
			Sieve Loss	0.0247				

Cruise No. MMS 1987  
 Sample No. D3/6

Total Weight 44.897

Weight >4ph 5.9494  
 Weight <4ph 38.9476

Phi Size	Dry Wt Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol) Wt Mat.	in Siz	Weight %	Cum Wt %	Coar	Overall Wt %
Total	<b>29.4312</b>	29.3078	0.1234	0.118988	5.9494	xxx	xxx	86.75%		
4.5	<b>28.2995</b>	28.1881	0.1114	0.106988	5.3494	0.6	10.09%	88.09%		1.34%
5	<b>28.1823</b>	29.0804	0.1019	0.097488	4.8744	0.475	7.98%	89.14%		1.06%
5.5	<b>25.7711</b>	25.676	0.0951	0.090688	4.5344	0.34	5.71%	89.90%		0.76%
6	<b>29.8783</b>	29.7901	0.0882	0.083788	4.1894	0.345	5.80%	90.67%		0.77%
7	<b>28.8362</b>	28.5568	0.0794	0.074988	3.7494	0.44	7.40%	91.65%		0.98%
8	<b>28.746</b>	28.6781	0.0679	0.063488	3.1744	0.575	9.66%	92.93%		1.28%
9	<b>27.9595</b>	27.8959	0.0636	0.059188	2.9594	0.215	3.61%	93.41%		0.48%
10	<b>30.2799</b>	30.2316	0.0483	0.043888	2.1944	0.765	12.86%	95.11%		1.70%
						2.1944	36.88%			4.89%

A-87

US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.2116	56.9552	2.7436	7.04%	6.11%		
10	-1 to -1.5	51.9055	54.4879	2.5824	6.63%	5.75%		
14	-0.5 to -1	49.5766	54.2561	4.6795	12.01%	10.42%	% Gravel	11.86%
18	0 to -0.5	45.1116	54.8715	9.7599	25.06%	21.74%	% Sand	74.79%
25	0.5 to 0.0	41.0295	48.9811	7.9516	20.42%	17.71%	% Silt	6.19%
35	1.0 to 0.5	43.8845	46.7004	2.8159	7.23%	6.27%	% Clay	7.07%
45	1.5 to 1.0	39.6026	44.4241	4.8215	12.38%	10.74%	% Sieve loss	0.07%
60	2.0 to 1.5	40.2338	42.1351	1.9013	4.88%	4.23%		
80	2.5 to 2.0	35.8832	36.7671	0.8839	2.27%	1.97%	% Total	99.98%
120	3.0 to 2.5	34.6913	35.0433	0.352	0.90%	0.78%		
170	3.5 to 3.0	34.0436	34.3152	0.2716	0.70%	0.60%		
230	4.0 to 3.5	33.7672	33.9136	0.1464	0.38%	0.33%		
Pan	>4.0	21.3173	21.3225	0.0052				
			Coarse Fract	38.9424				
			Sieve Total	38.9096				
			Sieve Loss	0.0328				

Cruise No. MMS 1987  
 Sample No. D4/1

Total Weight 23.6055

Weight >4ph 22.1194  
 Weight <4ph 1.4861

Phi Size	Dry Wt Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol) Wt	Size Range	Weight %	Cum Wt % Coar	Overall Wt %
Total	<b>28.2128</b>	<b>27.7658</b>	<b>0.4468</b>	<b>0.442388</b>	<b>22.1194</b>		<b>xxx</b>	<b>6.30%</b>	
4.5	<b>29.8578</b>	<b>29.4378</b>	<b>0.4198</b>	<b>0.415388</b>	<b>20.7694</b>	1.35	<b>6.10%</b>	<b>12.01%</b>	<b>5.72%</b>
5	<b>28.6505</b>	<b>28.2669</b>	<b>0.3836</b>	<b>0.379188</b>	<b>18.9594</b>	1.81	<b>8.18%</b>	<b>19.68%</b>	<b>7.67%</b>
5.5	<b>28.8249</b>	<b>28.4882</b>	<b>0.3367</b>	<b>0.332288</b>	<b>16.6144</b>	2.345	<b>10.60%</b>	<b>29.62%</b>	<b>9.93%</b>
6	<b>29.3899</b>	<b>29.0774</b>	<b>0.2925</b>	<b>0.288088</b>	<b>14.4044</b>	2.21	<b>9.99%</b>	<b>38.98%</b>	<b>9.36%</b>
7	<b>27.5381</b>	<b>27.3721</b>	<b>0.164</b>	<b>0.159588</b>	<b>7.9794</b>	6.425	<b>29.05%</b>	<b>66.20%</b>	<b>27.22%</b>
8	<b>28.347</b>	<b>28.2886</b>	<b>0.0584</b>	<b>0.053988</b>	<b>2.6994</b>	5.28	<b>23.87%</b>	<b>88.56%</b>	<b>22.37%</b>
9	<b>28.9419</b>	<b>28.8976</b>	<b>0.0443</b>	<b>0.039888</b>	<b>1.9944</b>	0.705	<b>3.19%</b>	<b>91.55%</b>	<b>2.99%</b>
10	<b>27.6035</b>	<b>27.572</b>	<b>0.0315</b>	<b>0.027088</b>	<b>1.3544</b>	0.64	<b>2.89%</b>	<b>94.26%</b>	<b>2.71%</b>
						1.3544	<b>6.12%</b>		<b>5.74%</b>

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.2107	<b>54.2207</b>	0.01	0.67%	0.04%		
10	-1 to -1.5	51.9032	<b>51.9292</b>	0.026	1.75%	0.11%		
14	-0.5 to -1	49.5749	<b>49.5804</b>	0.0055	0.37%	0.02%	% Gravel	0.15%
18	0 to -0.5	45.9923	<b>46.0178</b>	0.0255	1.72%	0.11%	% Sand	5.93%
25	0.5 to 0.0	41.9521	<b>41.9897</b>	0.0176	1.18%	0.07%	% Silt	82.27%
35	1.0 to 0.5	43.8434	<b>43.8688</b>	0.0254	1.71%	0.11%	% Clay	11.44%
45	1.5 to 1.0	39.5921	<b>39.714</b>	0.1219	8.20%	0.52%	% Sieve loss	0.00%
60	2.0 to 1.5	40.2534	<b>40.3888</b>	0.1432	9.64%	0.61%		
80	2.5 to 2.0	35.9093	<b>36.0898</b>	0.1805	12.15%	0.76%	% Total	99.79%
120	3.0 to 2.5	34.7268	<b>34.8312</b>	0.2044	13.75%	0.87%		
170	3.5 to 3.0	34.0483	<b>34.3897</b>	0.3214	21.63%	1.36%		
230	4.0 to 3.5	33.7862	<b>34.1403</b>	0.3541	23.83%	1.50%		
Pan	>4.0	21.3223	<b>21.3728</b>	0.0503				

Coarse Fract 1.4358  
 Sieve Total 1.4355  
 Sieve Loss 0.0003

Cruise No. MMS 1987  
 Sample No. D4/2

Total Weight 21.3135

Weight >4ph 19.9794  
 Weight <4ph 1.3341

Phi Size	Dry Wt	Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol) Wt	Mat. in Stz	Weight %	Cum Wt %	Coar	Overall Wt %
Total		<b>27.816</b>	<b>27.412</b>	<b>0.404</b>	<b>0.399588</b>	<b>19.9794</b>	xxx	xxx	<b>6.26%</b>		
4.5		<b>27.8613</b>	<b>27.4831</b>	<b>0.3782</b>	<b>0.373788</b>	<b>18.6894</b>		<b>1.29</b>	<b>6.46%</b>	<b>12.31%</b>	<b>6.05%</b>
5		<b>29.367</b>	<b>29.0238</b>	<b>0.3432</b>	<b>0.338788</b>	<b>16.9394</b>		<b>1.75</b>	<b>8.76%</b>	<b>20.52%</b>	<b>8.21%</b>
5.5		<b>28.1916</b>	<b>25.8912</b>	<b>0.3004</b>	<b>0.295988</b>	<b>14.7994</b>		<b>2.14</b>	<b>10.71%</b>	<b>30.56%</b>	<b>10.04%</b>
6		<b>29.5742</b>	<b>29.3136</b>	<b>0.2606</b>	<b>0.256188</b>	<b>12.8094</b>		<b>1.99</b>	<b>9.96%</b>	<b>39.90%</b>	<b>9.34%</b>
7		<b>28.7157</b>	<b>28.5558</b>	<b>0.1599</b>	<b>0.155488</b>	<b>7.7744</b>		<b>5.035</b>	<b>25.20%</b>	<b>63.52%</b>	<b>23.62%</b>
8		<b>25.8297</b>	<b>25.7671</b>	<b>0.0626</b>	<b>0.058188</b>	<b>2.9094</b>		<b>4.865</b>	<b>24.35%</b>	<b>86.35%</b>	<b>22.83%</b>
9		<b>27.9483</b>	<b>27.9009</b>	<b>0.0474</b>	<b>0.042988</b>	<b>2.1494</b>		<b>0.76</b>	<b>3.80%</b>	<b>89.92%</b>	<b>3.57%</b>
10		<b>28.09</b>	<b>28.0577</b>	<b>0.0323</b>	<b>0.027888</b>	<b>1.3944</b>		<b>0.755</b>	<b>3.78%</b>	<b>93.46%</b>	<b>3.54%</b>
								<b>1.3944</b>	<b>6.98%</b>		<b>6.54%</b>

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.2107	<b>54.2107</b>	0	0.00%	0.00%		
10	-1 to -1.5	51.9032	<b>51.9217</b>	0.0185	1.39%	0.09%		
14	-0.5 to -1	49.5749	<b>49.5835</b>	0.0086	0.64%	0.04%		
18	0 to -0.5	45.9923	<b>46.0063</b>	0.014	1.05%	0.07%		% Gravel 0.09%
25	0.5 to 0.0	41.9521	<b>41.9616</b>	0.0095	0.71%	0.04%		% Sand 5.94%
35	1.0 to 0.5	43.8434	<b>43.8568</b>	0.0134	1.00%	0.06%		% Silt 80.09%
45	1.5 to 1.0	39.5921	<b>39.6685</b>	0.0764	5.73%	0.36%		% Clay 13.65%
60	2.0 to 1.5	40.2534	<b>40.3657</b>	0.1123	8.42%	0.53%		% Sieve loss 0.04%
80	2.5 to 2.0	35.9093	<b>36.0841</b>	0.1748	13.10%	0.82%		
120	3.0 to 2.5	34.7268	<b>34.9334</b>	0.2066	15.49%	0.97%		% Total 99.81%
170	3.5 to 3.0	34.0483	<b>34.5</b>	0.4517	33.86%	2.12%		
230	4.0 to 3.5	33.7862	<b>33.9838</b>	0.1976	14.81%	0.93%		
Pan	>4.0	21.3223	<b>21.364</b>	0.0417				
				Coarse Fract	1.2924			
				Sieve Total	1.2834			
				Sieve Loss	0.009			

Cruise No. MMS 1987  
 Sample No. D4/3

Total Weight 22.1408

Weight >4ph 20.7494  
 Weight <4ph 1.3914

Phi Size	Dry Wt Comb	Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol) Wt Mat.	in Stz	Weight %	Cum Wt %	Coar	Overall Wt %
Total	<b>29.276</b>	28.8566	0.4194	0.414988	20.7494	xxx	xxx	6.28%		
4.5	<b>27.1965</b>	26.7985	0.4	0.395588	19.7794	0.97	4.67%	10.67%		4.38%
5	<b>27.2569</b>	26.8912	0.3657	0.361288	18.0644	1.715	8.27%	18.41%		7.75%
5.5	<b>29.3912</b>	29.0689	0.3223	0.317888	15.8944	2.17	10.46%	28.21%		9.80%
6	<b>27.0691</b>	26.7771	0.282	0.277588	13.8794	2.015	9.71%	37.31%		9.10%
7	<b>29.535</b>	29.3743	0.1607	0.156288	7.8144	6.065	29.23%	64.71%		27.39%
8	<b>29.1977</b>	29.1394	0.0583	0.053888	2.6944	5.12	24.68%	87.83%		23.12%
9	<b>26.7325</b>	26.6872	0.0453	0.040888	2.0444	0.65	3.13%	90.77%		2.94%
10	<b>26.8433</b>	26.8112	0.0321	0.027688	1.3844	0.66	3.18%	93.75%		2.98%
						1.3844	6.67%			6.25%

06-A

US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.2107	54.2145	0.0038	0.27%	0.02%		
10	-1 to -1.5	51.9032	51.9124	0.0092	0.66%	0.04%		
14	-0.5 to -1	49.5749	49.5833	0.0084	0.60%	0.04%	% Gravel	0.06%
18	0 to -0.5	45.9923	46.0017	0.0094	0.68%	0.04%	% Sand	6.00%
25	0.5 to 0.0	41.9521	41.9662	0.0141	1.01%	0.06%	% Silt	81.54%
35	1.0 to 0.5	43.8434	43.8698	0.0264	1.90%	0.12%	% Clay	12.17%
45	1.5 to 1.0	39.5921	39.6934	0.1013	7.28%	0.46%	% Sieve loss	0.01%
60	2.0 to 1.5	40.2534	40.3653	0.1119	8.04%	0.51%		
80	2.5 to 2.0	35.9093	36.074	0.1647	11.84%	0.74%	% Total	99.78%
120	3.0 to 2.5	34.7268	34.9445	0.2177	15.65%	0.98%		
170	3.5 to 3.0	34.0483	34.4766	0.4283	30.78%	1.93%		
230	4.0 to 3.5	33.7862	34.0334	0.2472	17.77%	1.12%		
Pan	>4.0	21.3223	21.3699	0.0476				
			Coarse Fract	1.3438				
			Sieve Total	1.3424				
			Sieve Loss	0.0014				



Cruise No.	MMS 1987	Total Weight	16.8865	Weight >4phi	15.6994
Sample No.	D4/4			Weight <4phi	1.1871

Phi Size	Dry Wt Comb	Beak. Wt (g)	Res Wt (g)	Pep Exclude Res (Tot.vol)	Wt Mat. In	Weight %	Cum Wt % C
Total	<b>28.1468</b>	28.8284	0.3184	0.313988	15.6994	xxx	7.03%
4.5	<b>28.2064</b>	27.9211	0.2853	0.280888	14.0444	1.655	10.54%
5	<b>28.3765</b>	28.117	0.2595	0.255088	12.7544	1.29	8.22%
5.5	<b>28.18</b>	27.9519	0.2281	0.223688	11.1844	1.57	10.00%
6	<b>27.7453</b>	27.5457	0.1996	0.195188	9.7594	1.425	9.08%
7	<b>27.339</b>	27.204	0.135	0.130588	6.5294	3.23	20.57%
8	<b>28.9562</b>	28.8877	0.0685	0.064088	3.2044	3.325	21.18%
9	<b>28.9143</b>	28.8663	0.048	0.043588	2.1794	1.025	6.53%
10	<b>28.5111</b>	28.4816	0.0295	0.025088	1.2544	0.925	5.89%
					1.2544	7.99%	

US Sieve No.	Phi Interval	Sieve Weigh	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %	
7	-1.5 to -2	54.2107	54.2107	0	0.00%	0.00%	
10	-1 to -1.5	51.9032	51.9073	0.0041	0.35%	0.02%	
14	-0.5 to -1	49.5749	49.58	0.0051	0.43%	0.03%	% Gravel
18	0 to -0.5	45.9923	46.004	0.0117	0.99%	0.07%	% Sand
25	0.5 to 0.0	41.9521	41.9658	0.0137	1.15%	0.08%	% Silt
35	1.0 to 0.5	43.8434	43.86	0.0166	1.40%	0.10%	% Clay
45	1.5 to 1.0	39.5876	39.6709	0.0833	7.02%	0.49%	% Sieve loss
60	2.0 to 1.5	40.2496	40.3502	0.1006	8.47%	0.60%	
80	2.5 to 2.0	35.9083	36.0467	0.1384	11.66%	0.82%	% Total
120	3.0 to 2.5	34.7516	34.9196	0.168	14.15%	0.99%	
170	3.5 to 3.0	34.0465	34.4433	0.3968	33.43%	2.35%	
230	4.0 to 3.5	33.783	33.986	0.203	17.10%	1.20%	
Pan	>4.0	21.3223	21.3564	0.0341			
			Coarse Fract	1.153			
			Sieve Total	1.1413			
			Sieve Loss	0.0117			

A-91

Cruise No.	MMS 1987	Total Weight	20.8961	Weight >4phi	18.1244
Sample No.	D4/5			Weight <4phi	2.7717

Phi Size	Dry Wt	Comb	Beak. Wt (g)	Res Wt (g)	Pep Exclude	Res (Tot.vol)	Wt Mat. In	Weight %	Cum Wt % C
Total		<b>28.4391</b>	28.0722	0.3669	0.362488	18.1244	xxx	xxx	13.26%
4.5		<b>28.5713</b>	28.2317	0.3396	0.335188	16.7594	1.365	7.53%	19.80%
5		<b>28.7844</b>	28.4744	0.31	0.305588	15.2794	1.48	8.17%	26.88%
5.5		<b>29.5157</b>	29.2433	0.2724	0.267988	13.3994	1.88	10.37%	35.88%
6		<b>28.7725</b>	26.534	0.2385	0.234088	11.7044	1.695	9.35%	43.99%
7		<b>28.4203</b>	26.2729	0.1474	0.142988	7.1494	4.555	25.13%	65.79%
8		<b>28.1964</b>	28.0791	0.0573	0.052888	2.6444	4.505	24.86%	87.35%
9		<b>28.46</b>	28.4167	0.0433	0.038888	1.9444	0.7	3.86%	90.69%
10		<b>30.256</b>	30.2265	0.0295	0.025088	1.2544	0.69	3.81%	94.00%
							1.2544	6.92%	

US Sieve No.	Phi Interval	Sieve Weigh	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %	
7	-1.5 to -2	54.2107	54.2107	0	0.00%	0.00%	
10	-1 to -1.5	51.9032	51.9128	0.0096	0.35%	0.05%	
14	-0.5 to -1	49.5749	49.5879	0.013	0.47%	0.06%	% Gravel
18	0 to -0.5	45.9923	46.006	0.0137	0.49%	0.07%	% Sand
25	0.5 to 0.0	41.9521	41.9627	0.0106	0.38%	0.05%	% Silt
35	1.0 to 0.5	43.8434	43.8656	0.0222	0.80%	0.11%	% Clay
45	1.5 to 1.0	39.5876	39.6862	0.0986	3.56%	0.47%	% Sieve loss
60	2.0 to 1.5	40.2496	40.386	0.1364	4.92%	0.65%	
80	2.5 to 2.0	35.9083	36.1819	0.2736	9.87%	1.31%	% Total
120	3.0 to 2.5	34.7516	35.18	0.4284	15.46%	2.05%	
170	3.5 to 3.0	34.0465	34.613	0.5665	20.44%	2.71%	
230	4.0 to 3.5	33.783	34.5924	0.8094	29.20%	3.87%	
Pan	>4.0	21.3223	21.6868	0.3645			
			Coarse Fract	2.4072			
			Sieve Total	2.382			
			Sieve Loss	0.0252			

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Cruise No. MMS 1987  
 Sample No. D4/6  
 Total Weight 20.8436  
 Weight >4phi 19.4094  
 Weight <4phi 1.4342

Phi Size	Dry Wt	Comb	Beak. Wt (g)	Res Wt (g)	Pep Exclude	Res (Tot.vol)	Wt Mat. in	Weight %	Cum Wt % C
Total	<b>29.7004</b>		29.3078	0.3926	0.388188	19.4094	xxx	xxx	6.88%
4.5	<b>28.5503</b>		28.1881	0.3712	0.366788	18.3394	1.07	5.51%	12.01%
5	<b>29.4181</b>		29.0804	0.3377	0.333288	16.6644	1.675	8.63%	20.05%
5.5	<b>25.9758</b>		25.676	0.2996	0.295188	14.7594	1.905	9.81%	29.19%
6	<b>30.0531</b>		29.7901	0.263	0.258588	12.9294	1.83	9.43%	37.97%
7	<b>28.7187</b>		28.5568	0.1619	0.157488	7.8744	5.055	26.04%	62.22%
8	<b>31.5341</b>		31.472	0.0621	0.057688	2.8844	4.99	25.71%	86.16%
9	<b>27.9425</b>		27.8959	0.0466	0.042188	2.1094	0.775	3.99%	89.88%
10	<b>30.2637</b>		30.2316	0.0321	0.027688	1.3844	0.725	3.74%	93.36%
							1.3844	7.13%	

US Sieve No.	Phi Interval	Sieve Weigh	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %	
7	-1.5 to -2	54.2107	54.22	0.0093	0.65%	0.04%	
10	-1 to -1.5	51.9032	51.9032	0	0.00%	0.00%	
14	-0.5 to -1	49.5749	49.5776	0.0027	0.19%	0.01%	% Gravel
18	0 to -0.5	45.9923	46.0044	0.0121	0.84%	0.06%	% Sand
25	0.5 to 0.0	41.9521	41.965	0.0129	0.90%	0.06%	% Silt
35	1.0 to 0.5	43.8434	43.8654	0.022	1.53%	0.11%	% Clay
45	1.5 to 1.0	39.5876	39.69	0.1024	7.14%	0.49%	% Sieve loss
60	2.0 to 1.5	40.2496	40.368	0.1184	8.26%	0.57%	
80	2.5 to 2.0	35.9083	36.0868	0.1785	12.45%	0.86%	% Total
120	3.0 to 2.5	34.7516	34.9633	0.2117	14.76%	1.02%	
170	3.5 to 3.0	34.0465	34.5121	0.4656	32.46%	2.23%	
230	4.0 to 3.5	33.783	34.002	0.219	15.27%	1.05%	
Pan	>4.0	21.3223	21.356	0.0337			
			Coarse Fract	1.4005			
			Sieve Total	1.3546			
			Sieve Loss	0.0459			

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**Sediment Texture  
Cruise 2**

Sample C1/1

Cruise No. **MMS 1988-B2** Total Weight 30.5133 Weight >4phi 13.683  
 Sample No. **C 1-1** Weight <4phi 16.8303

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol) Wt	Mat. In Si	Weight %	Cum Wt %	Cc Overall Wt %
Total	<b>28.6738</b>	<b>28.3981</b>	<b>0.2757</b>	<b>0.27366</b>	<b>13.683</b>	<b>x.xx</b>	<b>x.xx</b>	<b>55.16%</b>	
4.5	<b>29.5769</b>	<b>29.347</b>	<b>0.2299</b>	<b>0.22786</b>	<b>11.393</b>	<b>2.29</b>	<b>16.74%</b>	<b>62.66%</b>	<b>7.50%</b>
5	<b>27.2146</b>	<b>27.0139</b>	<b>0.2007</b>	<b>0.19866</b>	<b>9.933</b>	<b>1.46</b>	<b>10.67%</b>	<b>67.45%</b>	<b>4.78%</b>
5.5	<b>27.5332</b>	<b>27.3573</b>	<b>0.1759</b>	<b>0.17386</b>	<b>8.693</b>	<b>1.24</b>	<b>9.06%</b>	<b>71.51%</b>	<b>4.06%</b>
6	<b>28.9382</b>	<b>28.7772</b>	<b>0.161</b>	<b>0.15896</b>	<b>7.948</b>	<b>0.745</b>	<b>5.44%</b>	<b>73.95%</b>	<b>2.44%</b>
7	<b>27.6454</b>	<b>27.5043</b>	<b>0.1411</b>	<b>0.13906</b>	<b>6.953</b>	<b>0.995</b>	<b>7.27%</b>	<b>77.21%</b>	<b>3.26%</b>
8	<b>25.4184</b>	<b>25.3003</b>	<b>0.1181</b>	<b>0.11606</b>	<b>5.803</b>	<b>1.15</b>	<b>8.40%</b>	<b>80.98%</b>	<b>3.77%</b>
9	<b>27.2037</b>	<b>27.1195</b>	<b>0.0842</b>	<b>0.08216</b>	<b>4.108</b>	<b>1.695</b>	<b>12.39%</b>	<b>86.54%</b>	<b>5.55%</b>
10	<b>29.1318</b>	<b>29.096</b>	<b>0.0358</b>	<b>0.03376</b>	<b>1.688</b>	<b>2.42</b>	<b>17.69%</b>	<b>94.47%</b>	<b>7.93%</b>
						<b>1.688</b>	<b>12.34%</b>		<b>5.53%</b>

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	<b>54.2371</b>	<b>54.2422</b>	<b>0.0051</b>	<b>0.03%</b>	<b>0.02%</b>		
10	-1 to -1.5	<b>51.9414</b>	<b>51.96</b>	<b>0.0186</b>	<b>0.11%</b>	<b>0.06%</b>		
14	-0.5 to -1	<b>49.6083</b>	<b>49.6357</b>	<b>0.0274</b>	<b>0.16%</b>	<b>0.09%</b>	<b>% Gravel</b>	<b>0.08%</b>
18	0 to -0.5	<b>46.0213</b>	<b>46.0601</b>	<b>0.0388</b>	<b>0.23%</b>	<b>0.13%</b>	<b>% Sand</b>	<b>51.13%</b>
25	0.5 to 0.0	<b>41.9798</b>	<b>42.0217</b>	<b>0.0419</b>	<b>0.25%</b>	<b>0.14%</b>	<b>% Silt</b>	<b>25.81%</b>
35	1.0 to 0.5	<b>43.8595</b>	<b>43.8924</b>	<b>0.0329</b>	<b>0.20%</b>	<b>0.11%</b>	<b>% Clay</b>	<b>19.01%</b>
45	1.5 to 1.0	<b>39.5702</b>	<b>39.7097</b>	<b>0.1395</b>	<b>0.83%</b>	<b>0.46%</b>	<b>% Sieve loss</b>	<b>0.03%</b>
60	2.0 to 1.5	<b>40.1731</b>	<b>40.639</b>	<b>0.4659</b>	<b>2.77%</b>	<b>1.53%</b>		
80	2.5 to 2.0	<b>35.8388</b>	<b>36.5221</b>	<b>0.6833</b>	<b>4.06%</b>	<b>2.24%</b>	<b>% Total</b>	<b>96.06%</b>
120	3.0 to 2.5	<b>34.6324</b>	<b>35.4742</b>	<b>0.8418</b>	<b>5.00%</b>	<b>2.76%</b>		
170	3.5 to 3.0	<b>34.2168</b>	<b>40.8486</b>	<b>6.6318</b>	<b>39.40%</b>	<b>21.73%</b>		
230	4.0 to 3.5	<b>33.7412</b>	<b>40.4352</b>	<b>6.694</b>	<b>39.77%</b>	<b>21.94%</b>		
Pan	>4.0	<b>21.9715</b>	<b>23.1703</b>	<b>1.1988</b>				
			<b>Coarse Fract</b>	<b>15.6315</b>				
			<b>Sieve Total</b>	<b>15.621</b>				
			<b>Sieve Loss</b>	<b>0.0105</b>				

Sample C1/2

Cruise No. **MMS 1988-B2** Total Weight **40.7069** Weight >4phi **18.908**  
 Sample No. **C 1-2** Weight <4phi **21.7989**

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol) Wt	Mat. in Si	Weight %	Cum Wt %	Cc Overall Wt %
Total	<b>26.1104</b>	<b>25.7302</b>	<b>0.3802</b>	<b>0.37816</b>	<b>18.908</b>	<b>x.xx</b>	<b>x.xx</b>	<b>53.55%</b>	
4.5	<b>29.6027</b>	<b>29.3365</b>	<b>0.2662</b>	<b>0.26416</b>	<b>13.208</b>	<b>5.7</b>	<b>30.15%</b>	<b>67.55%</b>	<b>14.00%</b>
5	<b>28.8419</b>	<b>28.6103</b>	<b>0.2316</b>	<b>0.22956</b>	<b>11.478</b>	<b>1.73</b>	<b>9.15%</b>	<b>71.80%</b>	<b>4.25%</b>
5.5	<b>28.4162</b>	<b>28.2017</b>	<b>0.2145</b>	<b>0.21246</b>	<b>10.623</b>	<b>0.855</b>	<b>4.52%</b>	<b>73.90%</b>	<b>2.10%</b>
6	<b>29.2597</b>	<b>29.0722</b>	<b>0.1875</b>	<b>0.18546</b>	<b>9.273</b>	<b>1.35</b>	<b>7.14%</b>	<b>77.22%</b>	<b>3.32%</b>
7	<b>28.6377</b>	<b>28.4736</b>	<b>0.1641</b>	<b>0.16206</b>	<b>8.103</b>	<b>1.17</b>	<b>6.19%</b>	<b>80.09%</b>	<b>2.87%</b>
8	<b>27.3814</b>	<b>27.2449</b>	<b>0.1365</b>	<b>0.13446</b>	<b>6.723</b>	<b>1.38</b>	<b>7.30%</b>	<b>83.48%</b>	<b>3.39%</b>
9	<b>26.6336</b>	<b>26.5499</b>	<b>0.0837</b>	<b>0.08166</b>	<b>4.083</b>	<b>2.64</b>	<b>13.96%</b>	<b>89.97%</b>	<b>6.49%</b>
10	<b>27.9935</b>	<b>27.9558</b>	<b>0.0377</b>	<b>0.03566</b>	<b>1.783</b>	<b>2.3</b>	<b>12.16%</b>	<b>95.62%</b>	<b>5.65%</b>
						<b>1.783</b>	<b>9.43%</b>		<b>4.38%</b>

US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	<b>54.2399</b>	<b>54.2399</b>	<b>0</b>	<b>0.00%</b>	<b>0.00%</b>		
10	-1 to -1.5	<b>51.9444</b>	<b>51.962</b>	<b>0.0176</b>	<b>0.08%</b>	<b>0.04%</b>		
14	-0.5 to -1	<b>49.6108</b>	<b>49.645</b>	<b>0.0342</b>	<b>0.16%</b>	<b>0.08%</b>	<b>% Gravel</b>	<b>0.04%</b>
18	0 to -0.5	<b>46.0235</b>	<b>46.0674</b>	<b>0.0439</b>	<b>0.20%</b>	<b>0.11%</b>	<b>% Sand</b>	<b>50.65%</b>
25	0.5 to 0.0	<b>41.9818</b>	<b>42.0339</b>	<b>0.0521</b>	<b>0.24%</b>	<b>0.13%</b>	<b>% Silt</b>	<b>29.93%</b>
35	1.0 to 0.5	<b>43.8609</b>	<b>43.9035</b>	<b>0.0426</b>	<b>0.20%</b>	<b>0.10%</b>	<b>% Clay</b>	<b>16.52%</b>
45	1.5 to 1.0	<b>39.5712</b>	<b>39.6841</b>	<b>0.1129</b>	<b>0.52%</b>	<b>0.28%</b>	<b>% Sieve loss</b>	<b>0.01%</b>
60	2.0 to 1.5	<b>40.1725</b>	<b>40.5441</b>	<b>0.3716</b>	<b>1.70%</b>	<b>0.91%</b>		
80	2.5 to 2.0	<b>35.8391</b>	<b>36.5477</b>	<b>0.7086</b>	<b>3.25%</b>	<b>1.74%</b>	<b>% Total</b>	<b>97.15%</b>
120	3.0 to 2.5	<b>34.6293</b>	<b>35.634</b>	<b>1.0047</b>	<b>4.61%</b>	<b>2.47%</b>		
170	3.5 to 3.0	<b>34.2169</b>	<b>43.7532</b>	<b>9.5363</b>	<b>43.75%</b>	<b>23.43%</b>		
230	4.0 to 3.5	<b>33.7423</b>	<b>42.4517</b>	<b>8.7094</b>	<b>39.95%</b>	<b>21.40%</b>		
Pan	>4.0	<b>21.9889</b>	<b>23.1488</b>	<b>1.1599</b>				

Coarse Fract **20.639**  
 Sieve Total **20.6339**  
 Sieve Loss **0.0051**

Sample C1/3

Cruise No. **MMS 1988-B2** Total Weight 86.8393 Weight >4phi 69.338  
 Sample No. **C 1-3** Weight <4phi 17.5013

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol) Wt Mat.	in Sl Weight %	Cum Wt %	Cc Overall Wt %
Total	<b>28.7122</b>	<b>27.3234</b>	<b>1.3888</b>	<b>1.38676</b>	<b>69.338</b>	<b>x.xx</b>	<b>x.xx</b>	<b>20.15%</b>
4.5	<b>26.6595</b>	<b>26.3942</b>	<b>0.2653</b>	<b>0.26326</b>	<b>13.163</b>	<b>56.175</b>	<b>81.02%</b>	<b>64.69%</b>
5	<b>24.1641</b>	<b>23.9257</b>	<b>0.2384</b>	<b>0.23636</b>	<b>11.818</b>	<b>1.345</b>	<b>1.94%</b>	<b>1.55%</b>
5.5	<b>30.0678</b>	<b>29.8519</b>	<b>0.2159</b>	<b>0.21386</b>	<b>10.693</b>	<b>1.125</b>	<b>1.62%</b>	<b>1.30%</b>
6	<b>28.5497</b>	<b>28.3499</b>	<b>0.1998</b>	<b>0.19776</b>	<b>9.888</b>	<b>0.805</b>	<b>1.16%</b>	<b>0.93%</b>
7	<b>28.8589</b>	<b>28.6809</b>	<b>0.178</b>	<b>0.17596</b>	<b>8.798</b>	<b>1.09</b>	<b>1.57%</b>	<b>1.26%</b>
8	<b>27.0155</b>	<b>26.9028</b>	<b>0.1127</b>	<b>0.11066</b>	<b>5.533</b>	<b>3.265</b>	<b>4.71%</b>	<b>3.76%</b>
9	<b>26.4551</b>	<b>26.3982</b>	<b>0.0569</b>	<b>0.05486</b>	<b>2.743</b>	<b>2.79</b>	<b>4.02%</b>	<b>3.21%</b>
10	<b>27.9085</b>	<b>27.8762</b>	<b>0.0323</b>	<b>0.03026</b>	<b>1.513</b>	<b>1.23</b>	<b>1.77%</b>	<b>1.42%</b>
						<b>1.513</b>	<b>2.18%</b>	<b>1.74%</b>

US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	<b>54.2382</b>	<b>54.2382</b>	<b>0</b>	<b>0.00%</b>	<b>0.00%</b>		
10	-1 to -1.5	<b>51.9432</b>	<b>51.9699</b>	<b>0.0267</b>	<b>0.15%</b>	<b>0.03%</b>		
14	-0.5 to -1	<b>49.6097</b>	<b>49.6351</b>	<b>0.0254</b>	<b>0.15%</b>	<b>0.03%</b>	<b>% Gravel</b>	<b>0.03%</b>
18	0 to -0.5	<b>46.0224</b>	<b>46.0749</b>	<b>0.0525</b>	<b>0.30%</b>	<b>0.06%</b>	<b>% Sand</b>	<b>19.23%</b>
25	0.5 to 0.0	<b>41.9812</b>	<b>42.0267</b>	<b>0.0455</b>	<b>0.26%</b>	<b>0.05%</b>	<b>% Silt</b>	<b>73.49%</b>
35	1.0 to 0.5	<b>43.8607</b>	<b>43.9106</b>	<b>0.0499</b>	<b>0.29%</b>	<b>0.06%</b>	<b>% Clay</b>	<b>6.37%</b>
45	1.5 to 1.0	<b>39.5715</b>	<b>39.7147</b>	<b>0.1432</b>	<b>0.82%</b>	<b>0.16%</b>	<b>% Sieve loss</b>	<b>0.05%</b>
60	2.0 to 1.5	<b>40.1736</b>	<b>40.7174</b>	<b>0.5438</b>	<b>3.11%</b>	<b>0.63%</b>		
80	2.5 to 2.0	<b>35.8383</b>	<b>36.7337</b>	<b>0.8954</b>	<b>5.12%</b>	<b>1.03%</b>	<b>% Total</b>	<b>99.17%</b>
120	3.0 to 2.5	<b>34.6295</b>	<b>35.4839</b>	<b>0.8544</b>	<b>4.88%</b>	<b>0.98%</b>		
170	3.5 to 3.0	<b>34.2174</b>	<b>40.6263</b>	<b>6.4089</b>	<b>36.62%</b>	<b>7.38%</b>		
230	4.0 to 3.5	<b>33.7421</b>	<b>41.4311</b>	<b>7.689</b>	<b>43.93%</b>	<b>8.85%</b>		
Pan	>4.0	<b>21.9815</b>	<b>22.7052</b>	<b>0.7237</b>				

Coarse Fract 16.7776  
 Sieve Total 16.7347  
 Sieve Loss 0.0429

Sample C1/4

Cruise No. **MMS 1988-B2** Total Weight 43.9631 Weight >4phi 17.333  
 Sample No. **C 1-4** Weight <4phi 26.6301

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol) Wt	Mat. in Si	Weight %	Cum Wt %	Cc Overall Wt %
Total	28.8364	28.4877	0.3487	0.34666	17.333	x.xx	x.xx	60.57%	
4.5	27.7369	27.498	0.2389	0.23686	11.843	5.49	31.67%	73.06%	12.49%
5	27.7726	27.5523	0.2203	0.21826	10.913	0.93	5.37%	75.18%	2.12%
5.5	25.6591	25.4633	0.1958	0.19376	9.688	1.225	7.07%	77.96%	2.79%
6	28.7524	28.5722	0.1802	0.17816	8.908	0.78	4.50%	79.74%	1.77%
7	28.5769	28.4218	0.1551	0.15306	7.653	1.255	7.24%	82.59%	2.85%
8	27.4518	27.3395	0.1123	0.11026	5.513	2.14	12.35%	87.46%	4.87%
9	28.5122	28.4528	0.0594	0.05736	2.868	2.645	15.26%	93.48%	6.02%
10	31.7913	31.7584	0.0329	0.03086	1.543	1.325	7.64%	96.49%	3.01%
						1.543	8.90%		3.51%

A-100

US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.24	54.24	0	0.00%	0.00%		
10	-1 to -1.5	51.944	51.962	0.018	0.07%	0.04%		
14	-0.5 to -1	49.6106	49.6378	0.0272	0.10%	0.06%	% Gravel	0.04%
18	0 to -0.5	46.0233	46.0944	0.0711	0.27%	0.16%	% Sand	57.32%
25	0.5 to 0.0	41.9808	42.0498	0.069	0.26%	0.16%	% Silt	26.89%
35	1.0 to 0.5	43.8601	43.9218	0.0617	0.23%	0.14%	% Clay	12.54%
45	1.5 to 1.0	39.5744	39.7711	0.1967	0.74%	0.45%	% Sieve loss	0.02%
60	2.0 to 1.5	40.1728	40.8036	0.6308	2.37%	1.43%		
80	2.5 to 2.0	35.8394	36.7992	0.9598	3.60%	2.18%	% Total	96.81%
120	3.0 to 2.5	34.6296	36.1493	1.5197	5.71%	3.46%		
170	3.5 to 3.0	34.215	46.5576	12.3426	46.35%	28.07%		
230	4.0 to 3.5	33.7416	43.0668	9.3252	35.02%	21.21%		
Pan	>4.0	21.0639	22.4641	1.4002				

Coarse Fract 25.2299  
 Sieve Total 25.2218  
 Sieve Loss 0.0081



Sample C1/5

Cruise No. **MMS 1988-B2** Total Weight **38.0232** Weight >4phi **15.578**  
 Sample No. **C 1-5** Weight <4phi **22.4452**

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol) Wt	Mat. in Si	Weight %	Cum Wt %	Cc Overall Wt %
Total	<b>27.6366</b>	<b>27.323</b>	<b>0.3136</b>	<b>0.31156</b>	<b>15.578</b>	<b>x.xx</b>	<b>x.xx</b>	<b>59.03%</b>	
4.5	<b>26.6172</b>	<b>26.3933</b>	<b>0.2239</b>	<b>0.22186</b>	<b>11.093</b>	<b>4.485</b>	<b>28.79%</b>	<b>70.83%</b>	<b>11.80%</b>
5	<b>24.1125</b>	<b>23.9255</b>	<b>0.187</b>	<b>0.18496</b>	<b>9.248</b>	<b>1.845</b>	<b>11.84%</b>	<b>75.68%</b>	<b>4.85%</b>
5.5	<b>30.0183</b>	<b>29.8517</b>	<b>0.1666</b>	<b>0.16456</b>	<b>8.228</b>	<b>1.02</b>	<b>6.55%</b>	<b>78.36%</b>	<b>2.68%</b>
6	<b>28.5033</b>	<b>28.3503</b>	<b>0.153</b>	<b>0.15096</b>	<b>7.548</b>	<b>0.68</b>	<b>4.37%</b>	<b>80.15%</b>	<b>1.79%</b>
7	<b>28.8178</b>	<b>28.6934</b>	<b>0.1244</b>	<b>0.12236</b>	<b>6.118</b>	<b>1.43</b>	<b>9.18%</b>	<b>83.91%</b>	<b>3.76%</b>
8	<b>27.0216</b>	<b>26.9038</b>	<b>0.1178</b>	<b>0.11576</b>	<b>5.788</b>	<b>0.33</b>	<b>2.12%</b>	<b>84.78%</b>	<b>0.87%</b>
9	<b>26.4935</b>	<b>26.3985</b>	<b>0.095</b>	<b>0.09296</b>	<b>4.648</b>	<b>1.14</b>	<b>7.32%</b>	<b>87.78%</b>	<b>3.00%</b>
10	<b>27.9237</b>	<b>27.876</b>	<b>0.0477</b>	<b>0.04566</b>	<b>2.283</b>	<b>2.365</b>	<b>15.18%</b>	<b>94.00%</b>	<b>6.22%</b>
						<b>2.283</b>	<b>14.66%</b>		<b>6.00%</b>

A-101	US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
	7	-1.5 to -2	<b>54.239</b>	<b>54.2643</b>	<b>0.0253</b>	<b>0.11%</b>	<b>0.07%</b>		
10	-1 to -1.5	<b>51.9439</b>	<b>51.9497</b>	<b>0.0058</b>	<b>0.03%</b>	<b>0.02%</b>			
14	-0.5 to -1	<b>49.6104</b>	<b>49.638</b>	<b>0.0276</b>	<b>0.12%</b>	<b>0.07%</b>		<b>% Gravel</b>	<b>0.09%</b>
18	0 to -0.5	<b>46.0232</b>	<b>46.0691</b>	<b>0.0459</b>	<b>0.20%</b>	<b>0.12%</b>		<b>% Sand</b>	<b>55.76%</b>
25	0.5 to 0.0	<b>41.9808</b>	<b>42.0432</b>	<b>0.0624</b>	<b>0.28%</b>	<b>0.16%</b>		<b>% Silt</b>	<b>25.75%</b>
35	1.0 to 0.5	<b>43.8604</b>	<b>43.9244</b>	<b>0.064</b>	<b>0.29%</b>	<b>0.17%</b>		<b>% Clay</b>	<b>15.22%</b>
45	1.5 to 1.0	<b>39.5735</b>	<b>39.9281</b>	<b>0.3546</b>	<b>1.58%</b>	<b>0.93%</b>		<b>% Sieve loss</b>	<b>0.01%</b>
60	2.0 to 1.5	<b>40.1716</b>	<b>40.9204</b>	<b>0.7488</b>	<b>3.34%</b>	<b>1.97%</b>			
80	2.5 to 2.0	<b>35.8384</b>	<b>36.8758</b>	<b>1.0374</b>	<b>4.62%</b>	<b>2.73%</b>		<b>% Total</b>	<b>96.83%</b>
120	3.0 to 2.5	<b>34.6298</b>	<b>35.6947</b>	<b>1.0649</b>	<b>4.74%</b>	<b>2.80%</b>			
170	3.5 to 3.0	<b>34.2138</b>	<b>44.0399</b>	<b>9.8261</b>	<b>43.78%</b>	<b>25.84%</b>			
230	4.0 to 3.5	<b>33.7419</b>	<b>41.7171</b>	<b>7.9752</b>	<b>35.53%</b>	<b>20.97%</b>			
Pan	>4.0	<b>21.0575</b>	<b>22.2626</b>	<b>1.2051</b>					

Coarse Fract 21.2401  
 Sieve Total 21.238  
 Sieve Loss 0.0021

Sample C1/6

Cruise No. **MMS 1988-B2** Total Weight **38.9387** Weight >4phi **17.908**  
 Sample No. **C 1 - 6** Weight <4phi **21.0307**

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol) Wt Mat. in Sl	Weight %	Cum Wt %	Cc Overall Wt %
Total	<b>26.0899</b>	<b>25.7297</b>	<b>0.3602</b>	<b>0.35816</b>	<b>17.908</b>	<b>x.xx</b>	<b>x.xx</b>	<b>54.01%</b>
4.5	<b>29.59</b>	<b>29.3363</b>	<b>0.2537</b>	<b>0.25166</b>	<b>12.583</b>	<b>5.325</b>	<b>29.74%</b>	<b>13.68%</b>
5	<b>28.8448</b>	<b>28.6104</b>	<b>0.2344</b>	<b>0.23236</b>	<b>11.618</b>	<b>0.965</b>	<b>5.39%</b>	<b>2.48%</b>
5.5	<b>28.4115</b>	<b>28.2024</b>	<b>0.2091</b>	<b>0.20706</b>	<b>10.353</b>	<b>1.265</b>	<b>7.06%</b>	<b>3.25%</b>
6	<b>29.2656</b>	<b>29.0722</b>	<b>0.1934</b>	<b>0.19136</b>	<b>9.568</b>	<b>0.785</b>	<b>4.38%</b>	<b>2.02%</b>
7	<b>28.6461</b>	<b>28.474</b>	<b>0.1721</b>	<b>0.17006</b>	<b>8.503</b>	<b>1.065</b>	<b>5.95%</b>	<b>2.74%</b>
8	<b>27.3891</b>	<b>27.246</b>	<b>0.1431</b>	<b>0.14106</b>	<b>7.053</b>	<b>1.45</b>	<b>8.10%</b>	<b>3.72%</b>
9	<b>26.6312</b>	<b>26.5511</b>	<b>0.0801</b>	<b>0.07806</b>	<b>3.903</b>	<b>3.15</b>	<b>17.59%</b>	<b>8.09%</b>
10	<b>27.9997</b>	<b>27.9571</b>	<b>0.0426</b>	<b>0.04056</b>	<b>2.028</b>	<b>1.875</b>	<b>10.47%</b>	<b>4.82%</b>
						<b>2.028</b>	<b>11.32%</b>	<b>5.21%</b>

A-102

US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %	
7	-1.5 to -2	<b>54.2393</b>	<b>54.274</b>	<b>0.0347</b>	<b>0.16%</b>	<b>0.09%</b>	
10	-1 to -1.5	<b>51.9428</b>	<b>51.9534</b>	<b>0.0106</b>	<b>0.05%</b>	<b>0.03%</b>	
14	-0.5 to -1	<b>49.6105</b>	<b>49.6554</b>	<b>0.0449</b>	<b>0.21%</b>	<b>0.12%</b>	<b>% Gravel</b>
18	0 to -0.5	<b>46.0215</b>	<b>46.0761</b>	<b>0.0546</b>	<b>0.26%</b>	<b>0.14%</b>	<b>% Sand</b>
25	0.5 to 0.0	<b>41.9809</b>	<b>42.0417</b>	<b>0.0608</b>	<b>0.29%</b>	<b>0.16%</b>	<b>% Silt</b>
35	1.0 to 0.5	<b>43.8588</b>	<b>43.916</b>	<b>0.0572</b>	<b>0.27%</b>	<b>0.15%</b>	<b>% Clay</b>
45	1.5 to 1.0	<b>39.5752</b>	<b>39.7404</b>	<b>0.1652</b>	<b>0.79%</b>	<b>0.42%</b>	<b>% Sieve loss</b>
60	2.0 to 1.5	<b>40.1721</b>	<b>40.8387</b>	<b>0.6666</b>	<b>3.17%</b>	<b>1.71%</b>	
80	2.5 to 2.0	<b>35.8386</b>	<b>36.7611</b>	<b>0.9225</b>	<b>4.39%</b>	<b>2.37%</b>	<b>% Total</b>
120	3.0 to 2.5	<b>34.629</b>	<b>35.7264</b>	<b>1.0974</b>	<b>5.22%</b>	<b>2.82%</b>	
170	3.5 to 3.0	<b>34.215</b>	<b>43.1805</b>	<b>8.9655</b>	<b>42.63%</b>	<b>23.02%</b>	
230	4.0 to 3.5	<b>33.7415</b>	<b>41.6198</b>	<b>7.8783</b>	<b>37.46%</b>	<b>20.23%</b>	
Pan	>4.0	<b>22.0144</b>	<b>23.0862</b>	<b>1.0718</b>			

Coarse Fract **19.9589**  
 Sieve Total **19.9583**  
 Sieve Loss **0.0006**

Sample C2/1

Cruise No. **MMS 1988-B2** Total Weight **12.2155** Weight >4phi **9.378**  
 Sample No. **C 2-1** Weight <4phi **2.8375**

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol) Wt	Mat. In Sl	Weight %	Cum Wt %	Cc Overall Wt %
Total	<b>27.2638</b>	<b>27.0742</b>	<b>0.1896</b>	<b>0.18758</b>	<b>9.378</b>	<b>x.xx</b>	<b>x.xx</b>	<b>23.23%</b>	
4.5	<b>28.5713</b>	<b>28.4178</b>	<b>0.1535</b>	<b>0.15146</b>	<b>7.573</b>	<b>1.805</b>	<b>19.25%</b>	<b>38.00%</b>	<b>14.78%</b>
5	<b>28.0494</b>	<b>27.9013</b>	<b>0.1481</b>	<b>0.14606</b>	<b>7.303</b>	<b>0.27</b>	<b>2.88%</b>	<b>40.22%</b>	<b>2.21%</b>
5.5	<b>29.0349</b>	<b>28.8966</b>	<b>0.1383</b>	<b>0.13626</b>	<b>6.813</b>	<b>0.49</b>	<b>5.22%</b>	<b>44.23%</b>	<b>4.01%</b>
6	<b>28.8444</b>	<b>28.7071</b>	<b>0.1373</b>	<b>0.13526</b>	<b>6.763</b>	<b>0.05</b>	<b>0.53%</b>	<b>44.64%</b>	<b>0.41%</b>
7	<b>26.7072</b>	<b>26.5994</b>	<b>0.1078</b>	<b>0.10576</b>	<b>5.288</b>	<b>1.475</b>	<b>15.73%</b>	<b>56.71%</b>	<b>12.07%</b>
8	<b>27.5151</b>	<b>27.4386</b>	<b>0.0765</b>	<b>0.07446</b>	<b>3.723</b>	<b>1.565</b>	<b>16.69%</b>	<b>69.52%</b>	<b>12.81%</b>
9	<b>26.0217</b>	<b>25.9733</b>	<b>0.0484</b>	<b>0.04636</b>	<b>2.318</b>	<b>1.405</b>	<b>14.98%</b>	<b>81.02%</b>	<b>11.50%</b>
10	<b>27.9256</b>	<b>27.9005</b>	<b>0.0251</b>	<b>0.02306</b>	<b>1.153</b>	<b>1.165</b>	<b>12.42%</b>	<b>90.56%</b>	<b>9.54%</b>
						<b>1.153</b>	<b>12.29%</b>		<b>9.44%</b>

A-103	US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
	7	-1.5 to -2	<b>54.2423</b>	<b>54.2443</b>	<b>0.002</b>	<b>0.07%</b>	<b>0.02%</b>		
10	-1 to -1.5	<b>51.9447</b>	<b>51.95</b>	<b>0.0053</b>	<b>0.19%</b>	<b>0.04%</b>			
14	-0.5 to -1	<b>49.6129</b>	<b>49.6243</b>	<b>0.0114</b>	<b>0.40%</b>	<b>0.09%</b>		<b>% Gravel</b>	<b>0.06%</b>
18	0 to -0.5	<b>46.023</b>	<b>46.0465</b>	<b>0.0235</b>	<b>0.83%</b>	<b>0.19%</b>		<b>% Sand</b>	<b>23.07%</b>
25	0.5 to 0.0	<b>41.9868</b>	<b>41.9966</b>	<b>0.0098</b>	<b>0.35%</b>	<b>0.08%</b>		<b>% Silt</b>	<b>46.29%</b>
35	1.0 to 0.5	<b>43.8601</b>	<b>43.8715</b>	<b>0.0114</b>	<b>0.40%</b>	<b>0.09%</b>		<b>% Clay</b>	<b>30.48%</b>
45	1.5 to 1.0	<b>39.5767</b>	<b>39.6272</b>	<b>0.0505</b>	<b>1.78%</b>	<b>0.41%</b>		<b>% Sieve loss</b>	<b>0.02%</b>
60	2.0 to 1.5	<b>40.1743</b>	<b>40.2917</b>	<b>0.1174</b>	<b>4.14%</b>	<b>0.96%</b>			
80	2.5 to 2.0	<b>35.8427</b>	<b>36.1246</b>	<b>0.2819</b>	<b>9.93%</b>	<b>2.31%</b>		<b>% Total</b>	<b>99.92%</b>
120	3.0 to 2.5	<b>34.6312</b>	<b>35.0984</b>	<b>0.4672</b>	<b>16.47%</b>	<b>3.82%</b>			
170	3.5 to 3.0	<b>34.2153</b>	<b>35.4904</b>	<b>1.2751</b>	<b>44.94%</b>	<b>10.44%</b>			
230	4.0 to 3.5	<b>33.7423</b>	<b>34.3134</b>	<b>0.5711</b>	<b>20.13%</b>	<b>4.68%</b>			
Pan	>4.0	<b>21.0748</b>	<b>21.0837</b>	<b>0.0089</b>					

Coarse Fract **2.8286**  
 Sieve Total **2.8266**  
 Sieve Loss **0.002**

Sample C2/2

Cruise No. **MMS 1988-B2** Total Weight **26.3128** Weight >4phi **19.593**  
 Sample No. **C2-2** Weight <4phi **6.7198**

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol) Wt Mat. in Sl	Weight %	Cum Wt %	Cc Overall Wt %
Total	<b>30.6259</b>	<b>30.232</b>	<b>0.3939</b>	<b>0.39186</b>	<b>19.593</b>	<b>x.xx</b>	<b>25.54%</b>	
4.5	<b>29.772</b>	<b>29.4367</b>	<b>0.3353</b>	<b>0.33326</b>	<b>16.663</b>	<b>2.93</b>	<b>14.95%</b>	<b>11.14%</b>
5	<b>27.1299</b>	<b>26.8108</b>	<b>0.3191</b>	<b>0.31706</b>	<b>15.853</b>	<b>0.81</b>	<b>4.13%</b>	<b>3.08%</b>
5.5	<b>28.9759</b>	<b>28.6745</b>	<b>0.3014</b>	<b>0.29936</b>	<b>14.968</b>	<b>0.885</b>	<b>4.52%</b>	<b>3.36%</b>
6	<b>27.1795</b>	<b>26.8913</b>	<b>0.2882</b>	<b>0.28616</b>	<b>14.308</b>	<b>0.66</b>	<b>3.37%</b>	<b>2.51%</b>
7	<b>28.2123</b>	<b>27.9515</b>	<b>0.2608</b>	<b>0.25876</b>	<b>12.938</b>	<b>1.37</b>	<b>6.99%</b>	<b>5.21%</b>
8	<b>27.3689</b>	<b>27.2041</b>	<b>0.1648</b>	<b>0.16276</b>	<b>8.138</b>	<b>4.8</b>	<b>24.50%</b>	<b>18.24%</b>
9	<b>28.1312</b>	<b>28.0738</b>	<b>0.0574</b>	<b>0.05536</b>	<b>2.768</b>	<b>5.37</b>	<b>27.41%</b>	<b>20.41%</b>
10	<b>25.3236</b>	<b>25.2976</b>	<b>0.026</b>	<b>0.02396</b>	<b>1.198</b>	<b>1.57</b>	<b>8.01%</b>	<b>5.97%</b>
						<b>1.198</b>	<b>6.11%</b>	<b>4.55%</b>

A-104	US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
	7	-1.5 to -2	<b>54.2393</b>	<b>54.2804</b>	<b>0.0411</b>	<b>0.61%</b>	<b>0.16%</b>		
10	-1 to -1.5	<b>51.9435</b>	<b>51.9866</b>	<b>0.0431</b>	<b>0.64%</b>	<b>0.16%</b>			
14	-0.5 to -1	<b>49.6109</b>	<b>49.6685</b>	<b>0.0576</b>	<b>0.86%</b>	<b>0.22%</b>		<b>% Gravel</b>	<b>0.32%</b>
18	0 to -0.5	<b>46.0221</b>	<b>46.096</b>	<b>0.0739</b>	<b>1.10%</b>	<b>0.28%</b>		<b>% Sand</b>	<b>25.13%</b>
25	0.5 to 0.0	<b>41.9802</b>	<b>42.0271</b>	<b>0.0469</b>	<b>0.70%</b>	<b>0.18%</b>		<b>% Silt</b>	<b>43.54%</b>
35	1.0 to 0.5	<b>43.86</b>	<b>43.8941</b>	<b>0.0341</b>	<b>0.51%</b>	<b>0.13%</b>		<b>% Clay</b>	<b>30.93%</b>
45	1.5 to 1.0	<b>39.5726</b>	<b>39.7618</b>	<b>0.1892</b>	<b>2.82%</b>	<b>0.72%</b>		<b>% Sieve loss</b>	<b>0.00%</b>
60	2.0 to 1.5	<b>40.1719</b>	<b>40.6938</b>	<b>0.5219</b>	<b>7.77%</b>	<b>1.98%</b>			
80	2.5 to 2.0	<b>35.8386</b>	<b>37.454</b>	<b>1.6154</b>	<b>24.04%</b>	<b>6.14%</b>		<b>% Total</b>	<b>99.92%</b>
120	3.0 to 2.5	<b>34.628</b>	<b>36.0725</b>	<b>1.4445</b>	<b>21.50%</b>	<b>5.49%</b>			
170	3.5 to 3.0	<b>34.2139</b>	<b>36.2219</b>	<b>2.008</b>	<b>29.88%</b>	<b>7.63%</b>			
230	4.0 to 3.5	<b>33.7406</b>	<b>34.3617</b>	<b>0.6211</b>	<b>9.24%</b>	<b>2.36%</b>			
Pan	>4.0	<b>21.0655</b>	<b>21.0884</b>	<b>0.0229</b>					
			<b>Coarse Fract</b>	<b>6.6969</b>					
			<b>Sieve Total</b>	<b>6.6968</b>					
			<b>Sieve Loss</b>	<b>0.0001</b>					

Sample C2/3

Cruise No. **MMS 1988-B2** Total Weight **26.0075** Weight >4phi **19.508**  
 Sample No. **C 2-3** Weight <4phi **6.4995**

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol) Wt	Mat. in Si	Weight %	Cum Wt %	Cc Overall Wt %
Total	<b>28.5091</b>	<b>28.1169</b>	<b>0.3922</b>	<b>0.39016</b>	<b>19.508</b>	<b>x.xx</b>	<b>x.xx</b>	<b>24.99%</b>	
4.5	<b>27.1121</b>	<b>26.7771</b>	<b>0.335</b>	<b>0.33296</b>	<b>16.648</b>	<b>2.86</b>	<b>14.66%</b>	<b>35.99%</b>	<b>11.00%</b>
5	<b>25.9986</b>	<b>25.6771</b>	<b>0.3215</b>	<b>0.31946</b>	<b>15.973</b>	<b>0.675</b>	<b>3.46%</b>	<b>38.58%</b>	<b>2.60%</b>
5.5	<b>28.7776</b>	<b>28.4809</b>	<b>0.2967</b>	<b>0.29466</b>	<b>14.733</b>	<b>1.24</b>	<b>6.36%</b>	<b>43.35%</b>	<b>4.77%</b>
6	<b>27.6986</b>	<b>27.4126</b>	<b>0.286</b>	<b>0.28396</b>	<b>14.198</b>	<b>0.535</b>	<b>2.74%</b>	<b>45.41%</b>	<b>2.06%</b>
7	<b>28.1499</b>	<b>27.898</b>	<b>0.2519</b>	<b>0.24986</b>	<b>12.493</b>	<b>1.705</b>	<b>8.74%</b>	<b>51.96%</b>	<b>6.56%</b>
8	<b>29.5087</b>	<b>29.3129</b>	<b>0.1958</b>	<b>0.19376</b>	<b>9.688</b>	<b>2.805</b>	<b>14.38%</b>	<b>62.75%</b>	<b>10.79%</b>
9	<b>28.9616</b>	<b>28.8655</b>	<b>0.0961</b>	<b>0.09406</b>	<b>4.703</b>	<b>4.985</b>	<b>25.55%</b>	<b>81.92%</b>	<b>19.17%</b>
10	<b>29.8255</b>	<b>29.7912</b>	<b>0.0343</b>	<b>0.03226</b>	<b>1.613</b>	<b>3.09</b>	<b>15.84%</b>	<b>93.80%</b>	<b>11.88%</b>
						<b>1.613</b>	<b>8.27%</b>		<b>6.20%</b>

A-105

US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	<b>54.2402</b>	<b>54.2515</b>	<b>0.0113</b>	<b>0.17%</b>	<b>0.04%</b>		
10	-1 to -1.5	<b>51.9444</b>	<b>51.9685</b>	<b>0.0241</b>	<b>0.37%</b>	<b>0.09%</b>		
14	-0.5 to -1	<b>49.6123</b>	<b>49.6688</b>	<b>0.0565</b>	<b>0.87%</b>	<b>0.22%</b>	<b>% Gravel</b>	<b>0.13%</b>
18	0 to -0.5	<b>46.0225</b>	<b>46.0863</b>	<b>0.0638</b>	<b>0.98%</b>	<b>0.25%</b>	<b>% Sand</b>	<b>24.76%</b>
25	0.5 to 0.0	<b>41.9803</b>	<b>42.0444</b>	<b>0.0641</b>	<b>0.99%</b>	<b>0.25%</b>	<b>% Silt</b>	<b>37.78%</b>
35	1.0 to 0.5	<b>43.8602</b>	<b>43.9014</b>	<b>0.0412</b>	<b>0.63%</b>	<b>0.16%</b>	<b>% Clay</b>	<b>37.25%</b>
45	1.5 to 1.0	<b>39.5751</b>	<b>39.755</b>	<b>0.1799</b>	<b>2.77%</b>	<b>0.69%</b>	<b>% Sieve loss</b>	<b>0.01%</b>
60	2.0 to 1.5	<b>40.1731</b>	<b>40.6046</b>	<b>0.4315</b>	<b>6.64%</b>	<b>1.66%</b>		
80	2.5 to 2.0	<b>35.8402</b>	<b>36.8823</b>	<b>1.0421</b>	<b>16.03%</b>	<b>4.01%</b>	<b>% Total</b>	<b>99.93%</b>
120	3.0 to 2.5	<b>34.6291</b>	<b>36.1891</b>	<b>1.56</b>	<b>24.00%</b>	<b>6.00%</b>		
170	3.5 to 3.0	<b>34.2141</b>	<b>36.5187</b>	<b>2.3046</b>	<b>35.46%</b>	<b>8.86%</b>		
230	4.0 to 3.5	<b>33.7416</b>	<b>34.4339</b>	<b>0.6923</b>	<b>10.65%</b>	<b>2.66%</b>		
Pan	>4.0	<b>21.0715</b>	<b>21.0967</b>	<b>0.0252</b>				
			<b>Coarse Fract</b>	<b>6.4743</b>				
			<b>Sieve Total</b>	<b>6.4714</b>				
			<b>Sieve Loss</b>	<b>0.0029</b>				

Sample C2/4

Cruise No. **MMS 1988-B2** Total Weight **24.4773** Weight >4phi **21.518**  
 Sample No. **C 2-4** Weight <4phi **2.9593**

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol) Wt	Mat. In Si	Weight %	Cum Wt %	Cc Overall Wt %
Total	<b>29.2899</b>	<b>28.8575</b>	<b>0.4324</b>	<b>0.43036</b>	<b>21.518</b>	<b>x.xx</b>	<b>x.xx</b>	<b>12.09%</b>	
4.5	<b>28.9535</b>	<b>28.5582</b>	<b>0.3953</b>	<b>0.39326</b>	<b>19.663</b>	<b>1.855</b>	<b>8.62%</b>	<b>19.67%</b>	<b>7.58%</b>
5	<b>29.6847</b>	<b>29.3095</b>	<b>0.3752</b>	<b>0.37316</b>	<b>18.658</b>	<b>1.005</b>	<b>4.67%</b>	<b>23.77%</b>	<b>4.11%</b>
5.5	<b>29.437</b>	<b>29.0816</b>	<b>0.3554</b>	<b>0.35336</b>	<b>17.668</b>	<b>0.99</b>	<b>4.60%</b>	<b>27.82%</b>	<b>4.04%</b>
6	<b>28.5287</b>	<b>28.19</b>	<b>0.3387</b>	<b>0.33666</b>	<b>16.833</b>	<b>0.835</b>	<b>3.88%</b>	<b>31.23%</b>	<b>3.41%</b>
7	<b>28.8643</b>	<b>28.5542</b>	<b>0.3101</b>	<b>0.30806</b>	<b>15.403</b>	<b>1.43</b>	<b>6.65%</b>	<b>37.07%</b>	<b>5.84%</b>
8	<b>29.459</b>	<b>29.2424</b>	<b>0.2166</b>	<b>0.21456</b>	<b>10.728</b>	<b>4.675</b>	<b>21.73%</b>	<b>56.17%</b>	<b>19.10%</b>
9	<b>25.9392</b>	<b>25.8906</b>	<b>0.0486</b>	<b>0.04656</b>	<b>2.328</b>	<b>8.4</b>	<b>39.04%</b>	<b>90.49%</b>	<b>34.32%</b>
10	<b>29.1037</b>	<b>29.0754</b>	<b>0.0283</b>	<b>0.02626</b>	<b>1.313</b>	<b>1.015</b>	<b>4.72%</b>	<b>94.64%</b>	<b>4.15%</b>
						<b>1.313</b>	<b>6.10%</b>		<b>5.36%</b>

A-106	US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
	7	-1.5 to -2	<b>54.2388</b>	<b>54.2478</b>	<b>0.009</b>	<b>0.30%</b>	<b>0.04%</b>		
10	-1 to -1.5	<b>51.9441</b>	<b>51.9668</b>	<b>0.0227</b>	<b>0.77%</b>	<b>0.09%</b>			
14	-0.5 to -1	<b>49.6108</b>	<b>49.6342</b>	<b>0.0234</b>	<b>0.79%</b>	<b>0.10%</b>		<b>% Gravel</b>	<b>0.13%</b>
18	0 to -0.5	<b>46.0226</b>	<b>46.0571</b>	<b>0.0345</b>	<b>1.17%</b>	<b>0.14%</b>		<b>% Sand</b>	<b>11.93%</b>
25	0.5 to 0.0	<b>41.9809</b>	<b>42.0057</b>	<b>0.0248</b>	<b>0.84%</b>	<b>0.10%</b>		<b>% Silt</b>	<b>44.08%</b>
35	1.0 to 0.5	<b>43.8602</b>	<b>43.8768</b>	<b>0.0166</b>	<b>0.56%</b>	<b>0.07%</b>		<b>% Clay</b>	<b>43.83%</b>
45	1.5 to 1.0	<b>39.5732</b>	<b>39.6481</b>	<b>0.0749</b>	<b>2.53%</b>	<b>0.31%</b>		<b>% Sieve loss</b>	<b>0.01%</b>
60	2.0 to 1.5	<b>40.1714</b>	<b>40.3903</b>	<b>0.2189</b>	<b>7.40%</b>	<b>0.89%</b>			
80	2.5 to 2.0	<b>35.839</b>	<b>36.2914</b>	<b>0.4524</b>	<b>15.29%</b>	<b>1.85%</b>		<b>% Total</b>	<b>99.98%</b>
120	3.0 to 2.5	<b>34.6286</b>	<b>35.1463</b>	<b>0.5177</b>	<b>17.49%</b>	<b>2.12%</b>			
170	3.5 to 3.0	<b>34.2142</b>	<b>35.3118</b>	<b>1.0976</b>	<b>37.09%</b>	<b>4.48%</b>			
230	4.0 to 3.5	<b>33.7401</b>	<b>34.1981</b>	<b>0.458</b>	<b>15.48%</b>	<b>1.87%</b>			
Pan	>4.0	<b>21.0656</b>	<b>21.071</b>	<b>0.0054</b>					
			<b>Coarse Fract</b>	<b>2.9539</b>					
			<b>Sieve Total</b>	<b>2.9505</b>					
			<b>Sieve Loss</b>	<b>0.0034</b>					

Sample C2/5

Cruise No. **MMS 1988-B2** Total Weight **20.7862** Weight >4phi **16.663**  
 Sample No. **C 2-5** Weight <4phi **4.1232**

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol) Wt	Mat. in SI	Weight %	Cum Wt %	Cc Overall Wt %
Total	<b>26.6077</b>	<b>26.2724</b>	<b>0.3353</b>	<b>0.33326</b>	<b>16.663</b>	<b>x.xx</b>	<b>x.xx</b>	<b>19.84%</b>	
4.5	<b>28.7599</b>	<b>28.4735</b>	<b>0.2864</b>	<b>0.28436</b>	<b>14.218</b>	<b>2.445</b>	<b>14.67%</b>	<b>31.60%</b>	<b>11.76%</b>
5	<b>28.3444</b>	<b>28.0719</b>	<b>0.2725</b>	<b>0.27046</b>	<b>13.523</b>	<b>0.695</b>	<b>4.17%</b>	<b>34.94%</b>	<b>3.34%</b>
5.5	<b>29.2772</b>	<b>29.0232</b>	<b>0.254</b>	<b>0.25196</b>	<b>12.598</b>	<b>0.925</b>	<b>5.55%</b>	<b>39.39%</b>	<b>4.45%</b>
6	<b>29.0657</b>	<b>28.8284</b>	<b>0.2373</b>	<b>0.23526</b>	<b>11.763</b>	<b>0.835</b>	<b>5.01%</b>	<b>43.41%</b>	<b>4.02%</b>
7	<b>28.4787</b>	<b>28.2653</b>	<b>0.2134</b>	<b>0.21136</b>	<b>10.568</b>	<b>1.195</b>	<b>7.17%</b>	<b>49.16%</b>	<b>5.75%</b>
8	<b>27.3698</b>	<b>27.1904</b>	<b>0.1794</b>	<b>0.17736</b>	<b>8.868</b>	<b>1.7</b>	<b>10.20%</b>	<b>57.34%</b>	<b>8.18%</b>
9	<b>28.3591</b>	<b>28.2309</b>	<b>0.1282</b>	<b>0.12616</b>	<b>6.308</b>	<b>2.56</b>	<b>15.36%</b>	<b>69.65%</b>	<b>12.32%</b>
10	<b>29.1082</b>	<b>29.0686</b>	<b>0.0396</b>	<b>0.03756</b>	<b>1.878</b>	<b>4.43</b>	<b>26.59%</b>	<b>90.97%</b>	<b>21.31%</b>
						<b>1.878</b>	<b>11.27%</b>		<b>9.03%</b>

A-107

US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	<b>54.2418</b>	<b>54.2499</b>	<b>0.0081</b>	<b>0.20%</b>	<b>0.04%</b>		
10	-1 to -1.5	<b>51.9447</b>	<b>51.9769</b>	<b>0.0322</b>	<b>0.78%</b>	<b>0.15%</b>		
14	-0.5 to -1	<b>49.6126</b>	<b>49.655</b>	<b>0.0424</b>	<b>1.03%</b>	<b>0.20%</b>	<b>% Gravel</b>	<b>0.19%</b>
18	0 to -0.5	<b>46.0223</b>	<b>46.0604</b>	<b>0.0381</b>	<b>0.92%</b>	<b>0.18%</b>	<b>% Sand</b>	<b>19.48%</b>
25	0.5 to 0.0	<b>41.9829</b>	<b>42.0149</b>	<b>0.032</b>	<b>0.78%</b>	<b>0.15%</b>	<b>% Silt</b>	<b>37.50%</b>
35	1.0 to 0.5	<b>43.8618</b>	<b>43.8813</b>	<b>0.0195</b>	<b>0.47%</b>	<b>0.09%</b>	<b>% Clay</b>	<b>42.66%</b>
45	1.5 to 1.0	<b>39.575</b>	<b>39.6705</b>	<b>0.0955</b>	<b>2.32%</b>	<b>0.46%</b>	<b>% Sieve loss</b>	<b>0.01%</b>
60	2.0 to 1.5	<b>40.1732</b>	<b>40.4466</b>	<b>0.2734</b>	<b>6.63%</b>	<b>1.32%</b>		
80	2.5 to 2.0	<b>35.8402</b>	<b>36.3726</b>	<b>0.5324</b>	<b>12.91%</b>	<b>2.56%</b>	<b>% Total</b>	<b>99.84%</b>
120	3.0 to 2.5	<b>34.6292</b>	<b>35.2633</b>	<b>0.6341</b>	<b>15.38%</b>	<b>3.05%</b>		
170	3.5 to 3.0	<b>34.2146</b>	<b>35.9238</b>	<b>1.7092</b>	<b>41.45%</b>	<b>8.22%</b>		
230	4.0 to 3.5	<b>33.7417</b>	<b>34.4164</b>	<b>0.6747</b>	<b>16.36%</b>	<b>3.25%</b>		
Pan	>4.0	<b>21.0725</b>	<b>21.1022</b>	<b>0.0297</b>				

Coarse Fract **4.0935**  
 Sieve Total **4.0916**  
 Sieve Loss **0.0019**

Sample C2/6

Cruise No. **MMS 1988-B2** Total Weight **15.402** Weight >4phi **12.363**  
 Sample No. **C 2 - 6** Weight <4phi **3.039**

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol) Wt	Mat. In Si	Weight %	Cum Wt %	Cc Overall Wt %
Total	<b>28.0147</b>	<b>27.7654</b>	<b>0.2493</b>	<b>0.24726</b>	<b>12.363</b>	<b>x.xx</b>	<b>x.xx</b>	<b>19.73%</b>	
4.5	<b>29.6555</b>	<b>29.4483</b>	<b>0.2072</b>	<b>0.20516</b>	<b>10.258</b>	<b>2.105</b>	<b>17.03%</b>	<b>33.40%</b>	<b>13.67%</b>
5	<b>26.7346</b>	<b>26.5336</b>	<b>0.201</b>	<b>0.19896</b>	<b>9.948</b>	<b>0.31</b>	<b>2.51%</b>	<b>35.41%</b>	<b>2.01%</b>
5.5	<b>28.6931</b>	<b>28.5077</b>	<b>0.1854</b>	<b>0.18336</b>	<b>9.168</b>	<b>0.78</b>	<b>6.31%</b>	<b>40.48%</b>	<b>5.06%</b>
6	<b>27.545</b>	<b>27.3697</b>	<b>0.1753</b>	<b>0.17326</b>	<b>8.663</b>	<b>0.505</b>	<b>4.08%</b>	<b>43.75%</b>	<b>3.28%</b>
7	<b>29.1966</b>	<b>29.0495</b>	<b>0.1471</b>	<b>0.14506</b>	<b>7.253</b>	<b>1.41</b>	<b>11.40%</b>	<b>52.91%</b>	<b>9.15%</b>
8	<b>27.4405</b>	<b>27.3733</b>	<b>0.0672</b>	<b>0.06516</b>	<b>3.258</b>	<b>3.995</b>	<b>32.31%</b>	<b>78.85%</b>	<b>25.94%</b>
9	<b>28.7481</b>	<b>28.7066</b>	<b>0.0415</b>	<b>0.03946</b>	<b>1.973</b>	<b>1.285</b>	<b>10.39%</b>	<b>87.19%</b>	<b>8.34%</b>
10	<b>27.5093</b>	<b>27.4828</b>	<b>0.0265</b>	<b>0.02446</b>	<b>1.223</b>	<b>0.75</b>	<b>6.07%</b>	<b>92.06%</b>	<b>4.87%</b>
						<b>1.223</b>	<b>9.89%</b>		<b>7.94%</b>

801-V	US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
	7	-1.5 to -2	<b>54.2404</b>	<b>54.2404</b>	<b>0</b>	<b>0.00%</b>	<b>0.00%</b>		
	10	-1 to -1.5	<b>51.9444</b>	<b>51.9449</b>	<b>0.0005</b>	<b>0.02%</b>	<b>0.00%</b>		
	14	-0.5 to -1	<b>49.6115</b>	<b>49.6227</b>	<b>0.0112</b>	<b>0.37%</b>	<b>0.07%</b>	<b>% Gravel</b>	<b>0.00%</b>
	18	0 to -0.5	<b>46.0235</b>	<b>46.0406</b>	<b>0.0171</b>	<b>0.56%</b>	<b>0.11%</b>	<b>% Sand</b>	<b>19.62%</b>
	25	0.5 to 0.0	<b>41.9804</b>	<b>42.0001</b>	<b>0.0197</b>	<b>0.65%</b>	<b>0.13%</b>	<b>% Silt</b>	<b>59.11%</b>
	35	1.0 to 0.5	<b>43.86</b>	<b>43.8744</b>	<b>0.0144</b>	<b>0.47%</b>	<b>0.09%</b>	<b>% Clay</b>	<b>21.15%</b>
	45	1.5 to 1.0	<b>39.5734</b>	<b>39.6342</b>	<b>0.0608</b>	<b>2.00%</b>	<b>0.39%</b>	<b>% Sieve loss</b>	<b>0.02%</b>
	60	2.0 to 1.5	<b>40.1724</b>	<b>40.3659</b>	<b>0.1935</b>	<b>6.37%</b>	<b>1.26%</b>		
	80	2.5 to 2.0	<b>35.84</b>	<b>36.2255</b>	<b>0.3855</b>	<b>12.69%</b>	<b>2.50%</b>	<b>% Total</b>	<b>99.90%</b>
	120	3.0 to 2.5	<b>34.6291</b>	<b>35.1442</b>	<b>0.5151</b>	<b>16.95%</b>	<b>3.34%</b>		
	170	3.5 to 3.0	<b>34.2148</b>	<b>35.4683</b>	<b>1.2535</b>	<b>41.25%</b>	<b>8.14%</b>		
	230	4.0 to 3.5	<b>33.7406</b>	<b>34.2933</b>	<b>0.5527</b>	<b>18.19%</b>	<b>3.59%</b>		
	Pan	>4.0	<b>21.0707</b>	<b>21.083</b>	<b>0.0123</b>				

Coarse Fract **3.0267**  
 Sieve Total **3.024**  
 Sieve Loss **0.0027**



Sample C3/1

Cruise No. **MMS 1988-B2** Total Weight **20.862** Weight >4phi **19.943**  
 Sample No. **C3-1** Weight <4phi **0.919**

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol)	Wt Mat. in Si	Weight %	Cum Wt %	Cc Overall Wt %
Total	<b>29.774</b>	<b>29.3731</b>	<b>0.4009</b>	<b>0.39886</b>	<b>19.943</b>	<b>x.xx</b>	<b>x.xx</b>	<b>4.41%</b>	
4.5	<b>27.93</b>	<b>27.5453</b>	<b>0.3847</b>	<b>0.38266</b>	<b>19.133</b>	<b>0.81</b>	<b>4.06%</b>	<b>8.29%</b>	<b>3.88%</b>
5	<b>27.2326</b>	<b>26.8613</b>	<b>0.3713</b>	<b>0.36926</b>	<b>18.463</b>	<b>0.67</b>	<b>3.36%</b>	<b>11.50%</b>	<b>3.21%</b>
5.5	<b>27.2887</b>	<b>26.9388</b>	<b>0.3499</b>	<b>0.34786</b>	<b>17.393</b>	<b>1.07</b>	<b>5.37%</b>	<b>16.63%</b>	<b>5.13%</b>
6	<b>28.7406</b>	<b>28.4066</b>	<b>0.334</b>	<b>0.33196</b>	<b>16.598</b>	<b>0.795</b>	<b>3.99%</b>	<b>20.44%</b>	<b>3.81%</b>
7	<b>29.1</b>	<b>28.7933</b>	<b>0.3067</b>	<b>0.30466</b>	<b>15.233</b>	<b>1.365</b>	<b>6.84%</b>	<b>26.98%</b>	<b>6.54%</b>
8	<b>28.7353</b>	<b>28.5222</b>	<b>0.2131</b>	<b>0.21106</b>	<b>10.553</b>	<b>4.68</b>	<b>23.47%</b>	<b>49.42%</b>	<b>22.43%</b>
9	<b>28.5551</b>	<b>28.4831</b>	<b>0.072</b>	<b>0.06996</b>	<b>3.498</b>	<b>7.055</b>	<b>35.38%</b>	<b>83.23%</b>	<b>33.82%</b>
10	<b>29.3079</b>	<b>29.2722</b>	<b>0.0357</b>	<b>0.03366</b>	<b>1.683</b>	<b>1.815</b>	<b>9.10%</b>	<b>91.93%</b>	<b>8.70%</b>
						<b>1.683</b>	<b>8.44%</b>		<b>8.07%</b>

601-V	US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
	7	-1.5 to -2	<b>54.2396</b>	<b>54.2403</b>	<b>0.0007</b>	<b>0.08%</b>	<b>0.00%</b>		
	10	-1 to -1.5	<b>51.9453</b>	<b>51.9476</b>	<b>0.0023</b>	<b>0.25%</b>	<b>0.01%</b>		
	14	-0.5 to -1	<b>49.6111</b>	<b>49.6193</b>	<b>0.0082</b>	<b>0.89%</b>	<b>0.04%</b>	<b>% Gravel</b>	<b>0.01%</b>
	18	0 to -0.5	<b>46.025</b>	<b>46.0316</b>	<b>0.0066</b>	<b>0.72%</b>	<b>0.03%</b>	<b>% Sand</b>	<b>4.35%</b>
	25	0.5 to 0.0	<b>41.9836</b>	<b>41.9952</b>	<b>0.0116</b>	<b>1.26%</b>	<b>0.06%</b>	<b>% Silt</b>	<b>45.00%</b>
	35	1.0 to 0.5	<b>43.8624</b>	<b>43.8711</b>	<b>0.0087</b>	<b>0.95%</b>	<b>0.04%</b>	<b>% Clay</b>	<b>50.59%</b>
	45	1.5 to 1.0	<b>39.5731</b>	<b>39.6134</b>	<b>0.0403</b>	<b>4.39%</b>	<b>0.19%</b>	<b>% Sieve loss</b>	<b>0.03%</b>
	60	2.0 to 1.5	<b>40.1752</b>	<b>40.2354</b>	<b>0.0602</b>	<b>6.55%</b>	<b>0.29%</b>		
	80	2.5 to 2.0	<b>35.8397</b>	<b>35.9455</b>	<b>0.1058</b>	<b>11.51%</b>	<b>0.51%</b>	<b>% Total</b>	<b>99.98%</b>
	120	3.0 to 2.5	<b>34.6318</b>	<b>34.8133</b>	<b>0.1815</b>	<b>19.75%</b>	<b>0.87%</b>		
	170	3.5 to 3.0	<b>34.2191</b>	<b>34.5057</b>	<b>0.2866</b>	<b>31.19%</b>	<b>1.37%</b>		
	230	4.0 to 3.5	<b>33.7444</b>	<b>33.9421</b>	<b>0.1977</b>	<b>21.51%</b>	<b>0.95%</b>		
	Pan	>4.0	<b>21.0507</b>	<b>21.0534</b>	<b>0.0027</b>				

Coarse Fract **0.9163**  
 Sieve Total **0.9102**  
 Sieve Loss **0.0061**

Sample C3/2

Cruise No. **MMS 1988-B2** Total Weight **19.98** Weight >4phi **19.043**  
 Sample No. **C3-2** Weight <4phi **0.937**

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol) Wt Mat.	in Si Weight %	Cum Wt %	Cc Overall Wt %
Total	<b>26.6561</b>	<b>26.2732</b>	<b>0.3829</b>	<b>0.38086</b>	<b>19.043</b>	<b>x.xx</b>	<b>x.xx</b>	<b>4.69%</b>
4.5	<b>28.8379</b>	<b>28.4747</b>	<b>0.3632</b>	<b>0.36116</b>	<b>18.058</b>	<b>0.985</b>	<b>5.17%</b>	<b>9.62%</b>
5	<b>28.4215</b>	<b>28.0724</b>	<b>0.3491</b>	<b>0.34706</b>	<b>17.353</b>	<b>0.705</b>	<b>3.70%</b>	<b>13.15%</b>
5.5	<b>29.3535</b>	<b>29.0237</b>	<b>0.3298</b>	<b>0.32776</b>	<b>16.388</b>	<b>0.965</b>	<b>5.07%</b>	<b>17.98%</b>
6	<b>29.1425</b>	<b>28.8281</b>	<b>0.3144</b>	<b>0.31236</b>	<b>15.618</b>	<b>0.77</b>	<b>4.04%</b>	<b>21.83%</b>
7	<b>28.5483</b>	<b>28.2657</b>	<b>0.2826</b>	<b>0.28056</b>	<b>14.028</b>	<b>1.59</b>	<b>8.35%</b>	<b>29.79%</b>
8	<b>27.3275</b>	<b>27.1903</b>	<b>0.1372</b>	<b>0.13516</b>	<b>6.758</b>	<b>7.27</b>	<b>38.18%</b>	<b>66.18%</b>
9	<b>28.2829</b>	<b>28.2305</b>	<b>0.0524</b>	<b>0.05036</b>	<b>2.518</b>	<b>4.24</b>	<b>22.27%</b>	<b>87.40%</b>
10	<b>29.1011</b>	<b>29.0681</b>	<b>0.033</b>	<b>0.03096</b>	<b>1.548</b>	<b>0.97</b>	<b>5.09%</b>	<b>92.25%</b>
						<b>1.548</b>	<b>8.13%</b>	<b>7.75%</b>

A-110

US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	<b>54.2378</b>	<b>54.2378</b>	0	0.00%	0.00%		
10	-1 to -1.5	<b>51.9426</b>	<b>51.9426</b>	0	0.00%	0.00%		
14	-0.5 to -1	<b>49.6075</b>	<b>49.6112</b>	0.0037	0.39%	0.02%	% Gravel	0.00%
18	0 to -0.5	<b>46.024</b>	<b>46.0403</b>	0.0163	1.74%	0.08%	% Sand	4.66%
25	0.5 to 0.0	<b>41.9824</b>	<b>41.991</b>	0.0086	0.92%	0.04%	% Silt	61.49%
35	1.0 to 0.5	<b>43.8622</b>	<b>43.869</b>	0.0068	0.73%	0.03%	% Clay	33.82%
45	1.5 to 1.0	<b>39.5701</b>	<b>39.6336</b>	0.0635	6.78%	0.32%	% Sieve loss	0.00%
60	2.0 to 1.5	<b>40.1712</b>	<b>40.2738</b>	0.1026	10.95%	0.51%		
80	2.5 to 2.0	<b>35.8365</b>	<b>35.9618</b>	0.1253	13.37%	0.63%	% Total	99.97%
120	3.0 to 2.5	<b>34.6294</b>	<b>34.8142</b>	0.1848	19.72%	0.92%		
170	3.5 to 3.0	<b>34.2174</b>	<b>34.4777</b>	0.2603	27.78%	1.30%		
230	4.0 to 3.5	<b>33.7428</b>	<b>33.9049</b>	0.1621	17.30%	0.81%		
Pan	>4.0	<b>21.049</b>	<b>21.0516</b>	0.0026				

Coarse Fract **0.9344**  
 Sieve Total **0.934**  
 Sieve Loss **0.0004**

Sample C3/3

Cruise No. **MMS 1988-B2** Total Weight **24.7977** Weight >4phi **22.668**  
 Sample No. **C3-3** Weight <4phi **2.1297**

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol) Wt	Mat. in Si	Weight %	Cum Wt %	Cc Overall Wt %
Total	<b>28.5722</b>	<b>28.1168</b>	<b>0.4554</b>	<b>0.45336</b>	<b>22.668</b>	<b>x.xx</b>	<b>x.xx</b>	<b>8.59%</b>	
4.5	<b>27.2197</b>	<b>26.7768</b>	<b>0.4429</b>	<b>0.44086</b>	<b>22.043</b>	<b>0.625</b>	<b>2.76%</b>	<b>11.11%</b>	<b>2.52%</b>
5	<b>26.102</b>	<b>25.6774</b>	<b>0.4246</b>	<b>0.42256</b>	<b>21.128</b>	<b>0.915</b>	<b>4.04%</b>	<b>14.80%</b>	<b>3.69%</b>
5.5	<b>28.8877</b>	<b>28.4809</b>	<b>0.4068</b>	<b>0.40476</b>	<b>20.238</b>	<b>0.89</b>	<b>3.93%</b>	<b>18.39%</b>	<b>3.59%</b>
6	<b>27.8023</b>	<b>27.4124</b>	<b>0.3899</b>	<b>0.38786</b>	<b>19.393</b>	<b>0.845</b>	<b>3.73%</b>	<b>21.80%</b>	<b>3.41%</b>
7	<b>28.2597</b>	<b>27.8976</b>	<b>0.3621</b>	<b>0.36006</b>	<b>18.003</b>	<b>1.39</b>	<b>6.13%</b>	<b>27.40%</b>	<b>5.61%</b>
8	<b>29.5761</b>	<b>29.3132</b>	<b>0.2629</b>	<b>0.26086</b>	<b>13.043</b>	<b>4.96</b>	<b>21.88%</b>	<b>47.40%</b>	<b>20.00%</b>
9	<b>28.9379</b>	<b>28.8655</b>	<b>0.0724</b>	<b>0.07036</b>	<b>3.518</b>	<b>9.525</b>	<b>42.02%</b>	<b>85.81%</b>	<b>38.41%</b>
10	<b>29.8273</b>	<b>29.7914</b>	<b>0.0359</b>	<b>0.03386</b>	<b>1.693</b>	<b>1.825</b>	<b>8.05%</b>	<b>93.17%</b>	<b>7.36%</b>
						<b>1.693</b>	<b>7.47%</b>		<b>6.83%</b>

A-111	US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
	7	-1.5 to -2	<b>54.2384</b>	<b>54.242</b>	<b>0.0036</b>	<b>0.17%</b>	<b>0.01%</b>		
	10	-1 to -1.5	<b>51.944</b>	<b>51.9583</b>	<b>0.0143</b>	<b>0.67%</b>	<b>0.06%</b>		
	14	-0.5 to -1	<b>49.6104</b>	<b>49.6236</b>	<b>0.0132</b>	<b>0.62%</b>	<b>0.05%</b>	<b>% Gravel</b>	<b>0.07%</b>
	18	0 to -0.5	<b>46.0239</b>	<b>46.0435</b>	<b>0.0196</b>	<b>0.92%</b>	<b>0.08%</b>	<b>% Sand</b>	<b>8.46%</b>
	25	0.5 to 0.0	<b>41.9826</b>	<b>42.0072</b>	<b>0.0246</b>	<b>1.16%</b>	<b>0.10%</b>	<b>% Silt</b>	<b>38.82%</b>
	35	1.0 to 0.5	<b>43.862</b>	<b>43.884</b>	<b>0.022</b>	<b>1.03%</b>	<b>0.09%</b>	<b>% Clay</b>	<b>52.60%</b>
	45	1.5 to 1.0	<b>39.5705</b>	<b>39.6917</b>	<b>0.1212</b>	<b>5.69%</b>	<b>0.49%</b>	<b>% Sieve loss</b>	<b>0.03%</b>
	60	2.0 to 1.5	<b>40.1734</b>	<b>40.4161</b>	<b>0.2427</b>	<b>11.40%</b>	<b>0.98%</b>		
	80	2.5 to 2.0	<b>35.8383</b>	<b>36.1817</b>	<b>0.3434</b>	<b>16.12%</b>	<b>1.38%</b>	<b>% Total</b>	<b>99.98%</b>
	120	3.0 to 2.5	<b>34.6304</b>	<b>35.0607</b>	<b>0.4303</b>	<b>20.20%</b>	<b>1.74%</b>		
	170	3.5 to 3.0	<b>34.2179</b>	<b>34.7617</b>	<b>0.5438</b>	<b>25.53%</b>	<b>2.19%</b>		
	230	4.0 to 3.5	<b>33.7429</b>	<b>34.0803</b>	<b>0.3374</b>	<b>15.84%</b>	<b>1.36%</b>		
	Pan	>4.0	<b>21.0499</b>	<b>21.0565</b>	<b>0.0066</b>				

Coarse Fract 2.1231  
 Sieve Total 2.1161  
 Sieve Loss 0.007

Sample C3/4

Cruise No. **MMS 1988-B2** Total Weight **20.682** Weight >4phi **18.623**  
 Sample No. **C3-4** Weight <4phi **2.059**

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol)	Wt Mat. in Si	Weight %	Cum Wt %	Cc Overall Wt %
Total	<b>29.2332</b>	<b>28.8587</b>	<b>0.3745</b>	<b>0.37246</b>	<b>18.623</b>	<b>x.xx</b>	<b>x.xx</b>	<b>9.96%</b>	
4.5	<b>28.9173</b>	<b>28.5583</b>	<b>0.359</b>	<b>0.35696</b>	<b>17.848</b>	<b>0.775</b>	<b>4.16%</b>	<b>13.70%</b>	<b>3.75%</b>
5	<b>29.6545</b>	<b>29.3091</b>	<b>0.3454</b>	<b>0.34336</b>	<b>17.168</b>	<b>0.68</b>	<b>3.65%</b>	<b>16.99%</b>	<b>3.29%</b>
5.5	<b>29.4124</b>	<b>29.0824</b>	<b>0.33</b>	<b>0.32796</b>	<b>16.398</b>	<b>0.77</b>	<b>4.13%</b>	<b>20.71%</b>	<b>3.72%</b>
6	<b>28.5075</b>	<b>28.191</b>	<b>0.3165</b>	<b>0.31446</b>	<b>15.723</b>	<b>0.675</b>	<b>3.62%</b>	<b>23.98%</b>	<b>3.26%</b>
7	<b>28.8434</b>	<b>28.5542</b>	<b>0.2892</b>	<b>0.28716</b>	<b>14.358</b>	<b>1.365</b>	<b>7.33%</b>	<b>30.58%</b>	<b>6.60%</b>
8	<b>29.493</b>	<b>29.2431</b>	<b>0.2499</b>	<b>0.24786</b>	<b>12.393</b>	<b>1.965</b>	<b>10.55%</b>	<b>40.08%</b>	<b>9.50%</b>
9	<b>26.0809</b>	<b>25.8908</b>	<b>0.1901</b>	<b>0.18806</b>	<b>9.403</b>	<b>2.99</b>	<b>16.06%</b>	<b>54.54%</b>	<b>14.46%</b>
10	<b>29.1321</b>	<b>29.0751</b>	<b>0.057</b>	<b>0.05496</b>	<b>2.748</b>	<b>6.655</b>	<b>35.74%</b>	<b>86.71%</b>	<b>32.18%</b>
						<b>2.748</b>	<b>14.76%</b>		<b>13.29%</b>

A-112

US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	<b>54.2393</b>	<b>54.2393</b>	<b>0</b>	<b>0.00%</b>	<b>0.00%</b>		
10	-1 to -1.5	<b>51.9451</b>	<b>51.9566</b>	<b>0.0115</b>	<b>0.56%</b>	<b>0.06%</b>		
14	-0.5 to -1	<b>49.611</b>	<b>49.6254</b>	<b>0.0144</b>	<b>0.70%</b>	<b>0.07%</b>	<b>% Gravel</b>	<b>0.06%</b>
18	0 to -0.5	<b>46.0248</b>	<b>46.0385</b>	<b>0.0137</b>	<b>0.67%</b>	<b>0.07%</b>	<b>% Sand</b>	<b>9.85%</b>
25	0.5 to 0.0	<b>41.9832</b>	<b>42.0061</b>	<b>0.0229</b>	<b>1.11%</b>	<b>0.11%</b>	<b>% Silt</b>	<b>30.12%</b>
35	1.0 to 0.5	<b>43.8623</b>	<b>43.8798</b>	<b>0.0175</b>	<b>0.85%</b>	<b>0.08%</b>	<b>% Clay</b>	<b>59.93%</b>
45	1.5 to 1.0	<b>39.5718</b>	<b>39.6891</b>	<b>0.1173</b>	<b>5.70%</b>	<b>0.57%</b>	<b>% Sieve loss</b>	<b>0.01%</b>
60	2.0 to 1.5	<b>40.1738</b>	<b>40.3666</b>	<b>0.1928</b>	<b>9.36%</b>	<b>0.93%</b>		
80	2.5 to 2.0	<b>35.8388</b>	<b>36.1426</b>	<b>0.3038</b>	<b>14.75%</b>	<b>1.47%</b>	<b>% Total</b>	<b>99.97%</b>
120	3.0 to 2.5	<b>34.6319</b>	<b>35.1131</b>	<b>0.4812</b>	<b>23.37%</b>	<b>2.33%</b>		
170	3.5 to 3.0	<b>34.2185</b>	<b>34.7707</b>	<b>0.5522</b>	<b>26.82%</b>	<b>2.67%</b>		
230	4.0 to 3.5	<b>33.743</b>	<b>34.0641</b>	<b>0.3211</b>	<b>15.59%</b>	<b>1.55%</b>		
Pan	>4.0	<b>21.0501</b>	<b>21.058</b>	<b>0.0079</b>				

Coarse Fract **2.0511**  
 Sieve Total **2.0484**  
 Sieve Loss **0.0027**

Sample C3/5

Cruise No. **MMS 1988-B2** Total Weight **23.5824** Weight >4phi **19.203**  
 Sample No. **C3-5** Weight <4phi **4.3794**

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol)	Wt Mat. in Si	Weight %	Cum Wt %	Cc Overall Wt %
Total	<b>30.6194</b>	<b>30.2333</b>	<b>0.3861</b>	<b>0.38406</b>	<b>19.203</b>	<b>x.xx</b>	<b>x.xx</b>	<b>18.57%</b>	
4.5	<b>29.8043</b>	<b>29.4367</b>	<b>0.3676</b>	<b>0.36556</b>	<b>18.278</b>	<b>0.925</b>	<b>4.82%</b>	<b>22.49%</b>	<b>3.92%</b>
5	<b>27.1675</b>	<b>26.8111</b>	<b>0.3564</b>	<b>0.35436</b>	<b>17.718</b>	<b>0.56</b>	<b>2.92%</b>	<b>24.87%</b>	<b>2.37%</b>
5.5	<b>29.0149</b>	<b>28.6747</b>	<b>0.3402</b>	<b>0.33816</b>	<b>16.908</b>	<b>0.81</b>	<b>4.22%</b>	<b>28.30%</b>	<b>3.43%</b>
6	<b>27.2202</b>	<b>26.8911</b>	<b>0.3291</b>	<b>0.32706</b>	<b>16.353</b>	<b>0.555</b>	<b>2.89%</b>	<b>30.66%</b>	<b>2.35%</b>
7	<b>28.2605</b>	<b>27.9526</b>	<b>0.3079</b>	<b>0.30586</b>	<b>15.293</b>	<b>1.06</b>	<b>5.52%</b>	<b>35.15%</b>	<b>4.49%</b>
8	<b>27.2951</b>	<b>27.2037</b>	<b>0.0914</b>	<b>0.08936</b>	<b>4.468</b>	<b>10.825</b>	<b>56.37%</b>	<b>81.05%</b>	<b>45.90%</b>
9	<b>28.1167</b>	<b>28.0737</b>	<b>0.043</b>	<b>0.04096</b>	<b>2.048</b>	<b>2.42</b>	<b>12.60%</b>	<b>91.32%</b>	<b>10.26%</b>
10	<b>25.3273</b>	<b>25.2969</b>	<b>0.0304</b>	<b>0.02836</b>	<b>1.418</b>	<b>0.63</b>	<b>3.28%</b>	<b>93.99%</b>	<b>2.67%</b>
						<b>1.418</b>	<b>7.38%</b>		<b>6.01%</b>

A-113

US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	<b>54.2401</b>	<b>54.2747</b>	<b>0.0346</b>	<b>0.79%</b>	<b>0.15%</b>		
10	-1 to -1.5	<b>51.946</b>	<b>51.9505</b>	<b>0.0045</b>	<b>0.10%</b>	<b>0.02%</b>		
14	-0.5 to -1	<b>49.6136</b>	<b>49.6334</b>	<b>0.0198</b>	<b>0.45%</b>	<b>0.08%</b>	<b>% Gravel</b>	<b>0.17%</b>
18	0 to -0.5	<b>46.0252</b>	<b>46.0473</b>	<b>0.0221</b>	<b>0.50%</b>	<b>0.09%</b>	<b>% Sand</b>	<b>18.35%</b>
25	0.5 to 0.0	<b>41.9835</b>	<b>42.011</b>	<b>0.0275</b>	<b>0.63%</b>	<b>0.12%</b>	<b>% Silt</b>	<b>62.46%</b>
35	1.0 to 0.5	<b>43.8631</b>	<b>43.8987</b>	<b>0.0356</b>	<b>0.81%</b>	<b>0.15%</b>	<b>% Clay</b>	<b>18.94%</b>
45	1.5 to 1.0	<b>39.5737</b>	<b>39.8736</b>	<b>0.2999</b>	<b>6.85%</b>	<b>1.27%</b>	<b>% Sieve loss</b>	<b>0.00%</b>
60	2.0 to 1.5	<b>40.1768</b>	<b>40.8559</b>	<b>0.6791</b>	<b>15.51%</b>	<b>2.88%</b>		
80	2.5 to 2.0	<b>35.8417</b>	<b>36.8175</b>	<b>0.9758</b>	<b>22.28%</b>	<b>4.14%</b>	<b>% Total</b>	<b>99.92%</b>
120	3.0 to 2.5	<b>34.6335</b>	<b>35.6375</b>	<b>1.004</b>	<b>22.93%</b>	<b>4.26%</b>		
170	3.5 to 3.0	<b>34.2212</b>	<b>35.1216</b>	<b>0.9004</b>	<b>20.56%</b>	<b>3.82%</b>		
230	4.0 to 3.5	<b>33.7494</b>	<b>34.1123</b>	<b>0.3629</b>	<b>8.29%</b>	<b>1.54%</b>		
Pan	>4.0	<b>21.9768</b>	<b>21.989</b>	<b>0.0122</b>				

Coarse Fract **4.3672**  
 Sieve Total **4.3662**  
 Sieve Loss **0.001**

Sample C3/6

Cruise No. **MMS 1988-B2** Total Weight **28.2974** Weight >4phi **21.943**  
 Sample No. **C3-6** Weight <4phi **6.3544**

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol) Wt	Mat. in Sl	Weight %	Cum Wt %	Cc Overall Wt %
<b>Total</b>	<b>27.5146</b>	<b>27.0737</b>	<b>0.4409</b>	<b>0.43886</b>	<b>21.943</b>	<b>x.xx</b>	<b>x.xx</b>	<b>22.46%</b>	
<b>4.5</b>	<b>28.8368</b>	<b>28.4169</b>	<b>0.4199</b>	<b>0.41786</b>	<b>20.893</b>	<b>1.05</b>	<b>4.79%</b>	<b>26.17%</b>	<b>3.71%</b>
<b>5</b>	<b>28.3053</b>	<b>27.8998</b>	<b>0.4055</b>	<b>0.40346</b>	<b>20.173</b>	<b>0.72</b>	<b>3.28%</b>	<b>28.71%</b>	<b>2.54%</b>
<b>5.5</b>	<b>29.2863</b>	<b>28.8962</b>	<b>0.3901</b>	<b>0.38806</b>	<b>19.403</b>	<b>0.77</b>	<b>3.51%</b>	<b>31.43%</b>	<b>2.72%</b>
<b>6</b>	<b>29.087</b>	<b>28.7077</b>	<b>0.3793</b>	<b>0.37726</b>	<b>18.863</b>	<b>0.54</b>	<b>2.46%</b>	<b>33.34%</b>	<b>1.91%</b>
<b>7</b>	<b>26.956</b>	<b>26.6006</b>	<b>0.3554</b>	<b>0.35336</b>	<b>17.668</b>	<b>1.195</b>	<b>5.45%</b>	<b>37.56%</b>	<b>4.22%</b>
<b>8</b>	<b>27.7071</b>	<b>27.4378</b>	<b>0.2693</b>	<b>0.26726</b>	<b>13.363</b>	<b>4.305</b>	<b>19.62%</b>	<b>52.78%</b>	<b>15.21%</b>
<b>9</b>	<b>26.0311</b>	<b>25.9742</b>	<b>0.0569</b>	<b>0.05486</b>	<b>2.743</b>	<b>10.62</b>	<b>48.40%</b>	<b>90.31%</b>	<b>37.53%</b>
<b>10</b>	<b>27.9326</b>	<b>27.9</b>	<b>0.0326</b>	<b>0.03056</b>	<b>1.528</b>	<b>1.215</b>	<b>5.54%</b>	<b>94.60%</b>	<b>4.29%</b>
						<b>1.528</b>	<b>6.96%</b>		<b>5.40%</b>

A-114	US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
	7	-1.5 to -2	54.2406	54.2737	0.0331	0.52%	0.12%		
	10	-1 to -1.5	51.946	51.9762	0.0302	0.48%	0.11%		
	14	-0.5 to -1	49.6129	49.6399	0.027	0.42%	0.10%	% Gravel	0.23%
	18	0 to -0.5	46.0251	46.0443	0.0192	0.30%	0.07%	% Sand	22.22%
	25	0.5 to 0.0	41.9834	42.0276	0.0442	0.70%	0.16%	% Silt	30.31%
	35	1.0 to 0.5	43.8634	43.9053	0.0419	0.66%	0.15%	% Clay	47.22%
	45	1.5 to 1.0	39.5728	39.9554	0.3826	6.02%	1.35%	% Sieve loss	0.00%
	60	2.0 to 1.5	40.1756	41.15	0.9744	15.33%	3.44%		
	80	2.5 to 2.0	35.8411	37.3758	1.5347	24.15%	5.42%	% Total	99.98%
	120	3.0 to 2.5	34.6334	36.1959	1.5625	24.59%	5.52%		
	170	3.5 to 3.0	34.2199	35.4891	1.2692	19.97%	4.49%		
	230	4.0 to 3.5	33.7461	34.176	0.4299	6.77%	1.52%		
	Pan	>4.0	21.0541	21.0589	0.0048				

Coarse Fract 6.3496  
 Sieve Total 6.3489  
 Sieve Loss 0.0007

Sample C4/1

Cruise No. **MMS 1988-B2** Total Weight **18.9467** Weight >4phi **18.893**  
 Sample No. **C4-1** Weight <4phi **0.0537**

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol) Wt	Mat. In Sl	Weight %	Cum Wt %	Cc Overall Wt %
Total	<b>28.0364</b>	<b>27.6565</b>	<b>0.3799</b>	<b>0.37786</b>	<b>18.893</b>	<b>x.xx</b>	<b>x.xx</b>	<b>0.28%</b>	
4.5	<b>27.7093</b>	<b>27.3314</b>	<b>0.3779</b>	<b>0.37586</b>	<b>18.793</b>	<b>0.1</b>	<b>0.53%</b>	<b>0.81%</b>	<b>0.53%</b>
5	<b>29.522</b>	<b>29.1498</b>	<b>0.3722</b>	<b>0.37016</b>	<b>18.508</b>	<b>0.285</b>	<b>1.51%</b>	<b>2.32%</b>	<b>1.50%</b>
5.5	<b>27.5952</b>	<b>27.2387</b>	<b>0.3565</b>	<b>0.35446</b>	<b>17.723</b>	<b>0.785</b>	<b>4.15%</b>	<b>6.46%</b>	<b>4.14%</b>
6	<b>29.0509</b>	<b>28.7155</b>	<b>0.3354</b>	<b>0.33336</b>	<b>16.668</b>	<b>1.055</b>	<b>5.58%</b>	<b>12.03%</b>	<b>5.57%</b>
7	<b>27.5517</b>	<b>27.2516</b>	<b>0.3001</b>	<b>0.29806</b>	<b>14.903</b>	<b>1.765</b>	<b>9.34%</b>	<b>21.34%</b>	<b>9.32%</b>
8	<b>25.9075</b>	<b>25.6663</b>	<b>0.2412</b>	<b>0.23916</b>	<b>11.958</b>	<b>2.945</b>	<b>15.59%</b>	<b>36.89%</b>	<b>15.54%</b>
9	<b>26.7087</b>	<b>26.5901</b>	<b>0.1186</b>	<b>0.11656</b>	<b>5.828</b>	<b>6.13</b>	<b>32.45%</b>	<b>69.24%</b>	<b>32.35%</b>
10	<b>28.7608</b>	<b>28.7147</b>	<b>0.0461</b>	<b>0.04406</b>	<b>2.203</b>	<b>3.625</b>	<b>19.19%</b>	<b>88.37%</b>	<b>19.13%</b>
						<b>2.203</b>	<b>11.66%</b>		<b>11.63%</b>

A-115	US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
	7	-1.5 to -2	<b>54.2418</b>	<b>54.2418</b>	<b>0</b>	<b>0.00%</b>	<b>0.00%</b>		
	10	-1 to -1.5	<b>51.9447</b>	<b>51.9447</b>	<b>0</b>	<b>0.00%</b>	<b>0.00%</b>		
	14	-0.5 to -1	<b>49.6126</b>	<b>49.6126</b>	<b>0</b>	<b>0.00%</b>	<b>0.00%</b>	<b>% Gravel</b>	<b>0.00%</b>
	18	0 to -0.5	<b>46.0224</b>	<b>46.0232</b>	<b>0.0008</b>	<b>1.49%</b>	<b>0.00%</b>	<b>% Sand</b>	<b>0.25%</b>
	25	0.5 to 0.0	<b>41.9812</b>	<b>41.9812</b>	<b>0</b>	<b>0.00%</b>	<b>0.00%</b>	<b>% Silt</b>	<b>36.60%</b>
	35	1.0 to 0.5	<b>43.8608</b>	<b>43.8613</b>	<b>0.0005</b>	<b>0.93%</b>	<b>0.00%</b>	<b>% Clay</b>	<b>63.11%</b>
	45	1.5 to 1.0	<b>39.5717</b>	<b>39.5783</b>	<b>0.0066</b>	<b>12.29%</b>	<b>0.03%</b>	<b>% Sieve loss</b>	<b>0.02%</b>
	60	2.0 to 1.5	<b>40.1717</b>	<b>40.1771</b>	<b>0.0054</b>	<b>10.06%</b>	<b>0.03%</b>		
	80	2.5 to 2.0	<b>35.8384</b>	<b>35.8479</b>	<b>0.0095</b>	<b>17.69%</b>	<b>0.05%</b>	<b>% Total</b>	<b>99.98%</b>
	120	3.0 to 2.5	<b>34.6297</b>	<b>34.6386</b>	<b>0.0089</b>	<b>16.57%</b>	<b>0.05%</b>		
	170	3.5 to 3.0	<b>34.2148</b>	<b>34.2259</b>	<b>0.0111</b>	<b>20.67%</b>	<b>0.06%</b>		
	230	4.0 to 3.5	<b>33.7412</b>	<b>33.7476</b>	<b>0.0064</b>	<b>11.92%</b>	<b>0.03%</b>		
	Pan	>4.0	<b>22.0023</b>	<b>22.0023</b>	<b>0</b>				

Coarse Fract **0.0537**  
 Sieve Total **0.0492**  
 Sieve Loss **0.0045**

Sample C4/2

Cruise No. **MMS 1988-B2** Total Weight **19.1488** Weight >4phi **19.093**  
 Sample No. **C4-2** Weight <4phi **0.0558**

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol) Wt Mat. in Sl	Weight %	Cum Wt %	Cc Overall Wt %
Total	<b>30.7298</b>	<b>30.3459</b>	<b>0.3839</b>	<b>0.38186</b>	<b>19.093</b>	<b>x.xx</b>	<b>x.xx</b>	<b>0.29%</b>
4.5	<b>27.6677</b>	<b>27.2846</b>	<b>0.3831</b>	<b>0.38106</b>	<b>19.053</b>	<b>0.04</b>	<b>0.21%</b>	<b>0.21%</b>
5	<b>28.878</b>	<b>28.4956</b>	<b>0.3824</b>	<b>0.38036</b>	<b>19.018</b>	<b>0.035</b>	<b>0.18%</b>	<b>0.18%</b>
5.5	<b>29.9955</b>	<b>29.6291</b>	<b>0.3664</b>	<b>0.36436</b>	<b>18.218</b>	<b>0.8</b>	<b>4.19%</b>	<b>4.18%</b>
6	<b>29.8992</b>	<b>29.5456</b>	<b>0.3536</b>	<b>0.35156</b>	<b>17.578</b>	<b>0.64</b>	<b>3.35%</b>	<b>3.34%</b>
7	<b>26.2579</b>	<b>25.9371</b>	<b>0.3208</b>	<b>0.31876</b>	<b>15.938</b>	<b>1.64</b>	<b>8.59%</b>	<b>8.56%</b>
8	<b>26.9315</b>	<b>26.6548</b>	<b>0.2767</b>	<b>0.27466</b>	<b>13.733</b>	<b>2.205</b>	<b>11.55%</b>	<b>11.52%</b>
9	<b>29.4212</b>	<b>29.2015</b>	<b>0.2197</b>	<b>0.21766</b>	<b>10.883</b>	<b>2.85</b>	<b>14.93%</b>	<b>14.88%</b>
10	<b>27.3319</b>	<b>27.1685</b>	<b>0.1634</b>	<b>0.16136</b>	<b>8.068</b>	<b>2.815</b>	<b>14.74%</b>	<b>14.70%</b>
						<b>8.068</b>	<b>42.26%</b>	<b>42.13%</b>

A-116

US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	<b>54.2425</b>	<b>54.2425</b>	<b>0</b>	<b>0.00%</b>	<b>0.00%</b>		
10	-1 to -1.5	<b>51.9458</b>	<b>51.9458</b>	<b>0</b>	<b>0.00%</b>	<b>0.00%</b>		
14	-0.5 to -1	<b>49.6135</b>	<b>49.6135</b>	<b>0</b>	<b>0.00%</b>	<b>0.00%</b>	<b>% Gravel</b>	<b>0.00%</b>
18	0 to -0.5	<b>46.0236</b>	<b>46.0243</b>	<b>0.0007</b>	<b>1.25%</b>	<b>0.00%</b>	<b>% Sand</b>	<b>0.27%</b>
25	0.5 to 0.0	<b>41.9825</b>	<b>41.9825</b>	<b>0</b>	<b>0.00%</b>	<b>0.00%</b>	<b>% Silt</b>	<b>27.99%</b>
35	1.0 to 0.5	<b>43.8619</b>	<b>43.8619</b>	<b>0</b>	<b>0.00%</b>	<b>0.00%</b>	<b>% Clay</b>	<b>71.71%</b>
45	1.5 to 1.0	<b>39.578</b>	<b>39.5808</b>	<b>0.0028</b>	<b>5.02%</b>	<b>0.01%</b>	<b>% Sieve loss</b>	<b>0.02%</b>
60	2.0 to 1.5	<b>40.1764</b>	<b>40.1805</b>	<b>0.0041</b>	<b>7.35%</b>	<b>0.02%</b>		
80	2.5 to 2.0	<b>35.8442</b>	<b>35.8528</b>	<b>0.0086</b>	<b>15.41%</b>	<b>0.04%</b>	<b>% Total</b>	<b>99.99%</b>
120	3.0 to 2.5	<b>34.6318</b>	<b>34.6446</b>	<b>0.0128</b>	<b>22.94%</b>	<b>0.07%</b>		
170	3.5 to 3.0	<b>34.2156</b>	<b>34.2281</b>	<b>0.0125</b>	<b>22.40%</b>	<b>0.07%</b>		
230	4.0 to 3.5	<b>33.7429</b>	<b>33.7539</b>	<b>0.011</b>	<b>19.71%</b>	<b>0.06%</b>		
Pan	>4.0	<b>21.0795</b>	<b>21.0795</b>	<b>0</b>				

Coarse Fract **0.0558**  
 Sieve Total **0.0525**  
 Sieve Loss **0.0033**



Sample C4/3

Cruise No. **MMS 1988-B2** Total Weight **17.415** Weight >4phi **17.333**  
 Sample No. **C4-3** Weight <4phi **0.082**

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol) Wt	Mat. in Si	Weight %	Cum Wt %	Cc Overall Wt %
<b>Total</b>	<b>29.7227</b>	<b>29.374</b>	<b>0.3487</b>	<b>0.34666</b>	<b>17.333</b>	<b>x.xx</b>	<b>x.xx</b>	<b>0.47%</b>	
4.5	27.8932	27.5453	0.3479	0.34586	17.293	0.04	0.23%	0.70%	0.23%
5	27.2074	26.8618	0.3456	0.34356	17.178	0.115	0.66%	1.36%	0.66%
5.5	27.274	26.9391	0.3349	0.33286	16.643	0.535	3.09%	4.43%	3.07%
6	28.7249	28.4066	0.3183	0.31626	15.813	0.83	4.79%	9.20%	4.77%
7	29.0832	28.7937	0.2895	0.28746	14.373	1.44	8.31%	17.47%	8.27%
8	28.7745	28.5228	0.2517	0.24966	12.483	1.89	10.90%	28.32%	10.85%
9	28.6906	28.4842	0.2064	0.20436	10.218	2.265	13.07%	41.33%	13.01%
10	29.3741	29.2729	0.1012	0.09916	4.958	5.26	30.35%	71.53%	30.20%
						4.958	28.60%		28.47%

A-117	US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
	7	-1.5 to -2	54.2393	54.2483	0.009	10.98%	0.05%		
	10	-1 to -1.5	51.9435	51.9542	0.0107	13.05%	0.06%		
	14	-0.5 to -1	49.6113	49.6126	0.0013	1.59%	0.01%	% Gravel	0.11%
	18	0 to -0.5	46.0224	46.0236	0.0012	1.46%	0.01%	% Sand	0.35%
	25	0.5 to 0.0	41.9805	41.9822	0.0017	2.07%	0.01%	% Silt	27.85%
	35	1.0 to 0.5	43.8592	43.8614	0.0022	2.68%	0.01%	% Clay	71.68%
	45	1.5 to 1.0	39.5713	39.5762	0.0049	5.98%	0.03%	% Sieve loss	0.01%
	60	2.0 to 1.5	40.1709	40.1764	0.0055	6.71%	0.03%		
	80	2.5 to 2.0	35.8371	35.847	0.0099	12.07%	0.06%	% Total	100.00%
	120	3.0 to 2.5	34.6279	34.6419	0.014	17.07%	0.08%		
	170	3.5 to 3.0	34.213	34.2243	0.0113	13.78%	0.06%		
	230	4.0 to 3.5	33.7399	33.748	0.0081	9.88%	0.05%		
	Pan	>4.0	21.0548	21.0553	0.0005				
				Coarse Fract	0.0815				
				Sieve Total	0.0798				
				Sieve Loss	0.0017				

Sample C4/4

Cruise No. **MMS 1988-B2** Total Weight **15.7144** Weight >4phi **15.668**  
 Sample No. **C4-4** Weight <4phi **0.0464**

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol) Wt	Mat. In Si	Weight %	Cum Wt %	Cc Overall Wt %
Total	<b>28.1479</b>	<b>27.8325</b>	<b>0.3154</b>	<b>0.31336</b>	<b>15.668</b>	<b>x.xx</b>	<b>x.xx</b>	<b>0.30%</b>	
4.5	<b>26.5809</b>	<b>26.2677</b>	<b>0.3132</b>	<b>0.31116</b>	<b>15.558</b>	<b>0.11</b>	<b>0.70%</b>	<b>1.00%</b>	<b>0.70%</b>
5	<b>28.1251</b>	<b>27.8157</b>	<b>0.3094</b>	<b>0.30736</b>	<b>15.368</b>	<b>0.19</b>	<b>1.21%</b>	<b>2.20%</b>	<b>1.21%</b>
5.5	<b>27.0258</b>	<b>26.7266</b>	<b>0.2992</b>	<b>0.29716</b>	<b>14.858</b>	<b>0.51</b>	<b>3.26%</b>	<b>5.45%</b>	<b>3.25%</b>
6	<b>29.109</b>	<b>28.8253</b>	<b>0.2837</b>	<b>0.28166</b>	<b>14.083</b>	<b>0.775</b>	<b>4.95%</b>	<b>10.38%</b>	<b>4.93%</b>
7	<b>28.744</b>	<b>28.4848</b>	<b>0.2592</b>	<b>0.25716</b>	<b>12.858</b>	<b>1.225</b>	<b>7.82%</b>	<b>18.18%</b>	<b>7.80%</b>
8	<b>27.9306</b>	<b>27.7085</b>	<b>0.2221</b>	<b>0.22006</b>	<b>11.003</b>	<b>1.855</b>	<b>11.84%</b>	<b>29.98%</b>	<b>11.80%</b>
9	<b>28.9888</b>	<b>28.8073</b>	<b>0.1815</b>	<b>0.17946</b>	<b>8.973</b>	<b>2.03</b>	<b>12.96%</b>	<b>42.90%</b>	<b>12.92%</b>
10	<b>25.5198</b>	<b>25.4083</b>	<b>0.1115</b>	<b>0.10946</b>	<b>5.473</b>	<b>3.5</b>	<b>22.34%</b>	<b>65.17%</b>	<b>22.27%</b>
						<b>5.473</b>	<b>34.93%</b>		<b>34.83%</b>

US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	<b>54.2373</b>	<b>54.2373</b>	0	0.00%	0.00%		
10	-1 to -1.5	<b>51.9412</b>	<b>51.9412</b>	0	0.00%	0.00%		
14	-0.5 to -1	<b>49.6103</b>	<b>49.6103</b>	0	0.00%	0.00%	% Gravel	0.00%
18	0 to -0.5	<b>46.0222</b>	<b>46.0222</b>	0	0.00%	0.00%	% Sand	0.27%
25	0.5 to 0.0	<b>41.9806</b>	<b>41.9811</b>	0.0005	1.08%	0.00%	% Silt	29.69%
35	1.0 to 0.5	<b>43.8601</b>	<b>43.8605</b>	0.0004	0.86%	0.00%	% Clay	70.02%
45	1.5 to 1.0	<b>39.572</b>	<b>39.5776</b>	0.0056	12.07%	0.04%	% Sieve loss	0.03%
60	2.0 to 1.5	<b>40.1706</b>	<b>40.1762</b>	0.0056	12.07%	0.04%		
80	2.5 to 2.0	<b>35.8368</b>	<b>35.8426</b>	0.0058	12.50%	0.04%	% Total	100.01%
120	3.0 to 2.5	<b>34.6294</b>	<b>34.6388</b>	0.0094	20.26%	0.06%		
170	3.5 to 3.0	<b>34.2141</b>	<b>34.2229</b>	0.0088	18.97%	0.06%		
230	4.0 to 3.5	<b>33.7417</b>	<b>33.7464</b>	0.0047	10.13%	0.03%		
Pan	>4.0	<b>21.0568</b>	<b>21.0573</b>	0.0005				

Coarse Fract **0.0459**  
 Sieve Total **0.0408**  
 Sieve Loss **0.0051**

Sample C4/5

Cruise No. **MMS 1988-B2** Total Weight 13.2246 Weight >4phi 13.163  
 Sample No. **C4-5** Weight <4phi 0.0616

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol) Wt	Mat. In Si	Weight %	Cum Wt %	Cc Overall Wt %
Total	29.6813	29.416	0.2653	0.26326	13.163	x.xx	x.xx	0.47%	
4.5	27.726	27.4637	0.2623	0.26026	13.013	0.15	1.14%	1.60%	1.13%
5	28.0506	27.7927	0.2579	0.25586	12.793	0.22	1.67%	3.26%	1.66%
5.5	30.7382	30.4909	0.2473	0.24526	12.263	0.53	4.03%	7.27%	4.01%
6	29.1881	28.9538	0.2343	0.23226	11.613	0.65	4.94%	12.19%	4.92%
7	29.8518	29.644	0.2078	0.20576	10.288	1.325	10.07%	22.21%	10.02%
8	29.5496	29.3772	0.1724	0.17036	8.518	1.77	13.45%	35.59%	13.38%
9	29.8839	29.7475	0.1364	0.13436	6.718	1.8	13.67%	49.20%	13.61%
10	26.0717	25.9822	0.0895	0.08746	4.373	2.345	17.82%	66.93%	17.73%
						4.373	33.22%		33.07%

A-119	US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
		7	-1.5 to -2	54.2304	54.2304	0	0.00%	0.00%	
	10	-1 to -1.5	51.9334	51.9334	0	0.00%	0.00%		
	14	-0.5 to -1	49.611	49.611	0	0.00%	0.00%	% Gravel	0.00%
	18	0 to -0.5	46.0225	46.0245	0.002	3.25%	0.02%	% Sand	0.41%
	25	0.5 to 0.0	41.9806	41.9821	0.0015	2.44%	0.01%	% Silt	35.12%
	35	1.0 to 0.5	43.8599	43.862	0.0021	3.41%	0.02%	% Clay	64.41%
	45	1.5 to 1.0	39.5729	39.5773	0.0044	7.14%	0.03%	% Sieve loss	0.05%
	60	2.0 to 1.5	40.1719	40.1763	0.0044	7.14%	0.03%		
	80	2.5 to 2.0	35.8391	35.847	0.0079	12.82%	0.06%	% Total	99.99%
	120	3.0 to 2.5	34.63	34.642	0.012	19.48%	0.09%		
	170	3.5 to 3.0	34.2141	34.2261	0.012	19.48%	0.09%		
	230	4.0 to 3.5	33.7421	33.7496	0.0075	12.18%	0.06%		
	Pan	>4.0	21.059	21.0599	0.0009				

Coarse Fract 0.0607  
 Sieve Total 0.0538  
 Sieve Loss 0.0069

Sample C4/6

Cruise No. **MMS 1988-B2** Total Weight **19.4071** Weight >4phi **19.123**  
 Sample No. **C4-6** Weight <4phi **0.2841**

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol) Wt	Mat. In Si	Weight %	Cum Wt %	Cc Overall Wt %
Total	<b>27.8672</b>	<b>27.4827</b>	<b>0.3845</b>	<b>0.38246</b>	<b>19.123</b>	<b>x.xx</b>	<b>x.xx</b>	<b>1.46%</b>	
4.5	<b>27.7897</b>	<b>27.4067</b>	<b>0.383</b>	<b>0.38096</b>	<b>19.048</b>	<b>0.075</b>	<b>0.39%</b>	<b>1.85%</b>	<b>0.39%</b>
5	<b>29.1849</b>	<b>28.8105</b>	<b>0.3744</b>	<b>0.37236</b>	<b>18.618</b>	<b>0.43</b>	<b>2.25%</b>	<b>4.07%</b>	<b>2.22%</b>
5.5	<b>28.0974</b>	<b>27.7328</b>	<b>0.3646</b>	<b>0.36256</b>	<b>18.128</b>	<b>0.49</b>	<b>2.56%</b>	<b>6.59%</b>	<b>2.52%</b>
6	<b>28.7964</b>	<b>28.4467</b>	<b>0.3497</b>	<b>0.34766</b>	<b>17.383</b>	<b>0.745</b>	<b>3.90%</b>	<b>10.43%</b>	<b>3.84%</b>
7	<b>27.3639</b>	<b>27.0474</b>	<b>0.3165</b>	<b>0.31446</b>	<b>15.723</b>	<b>1.66</b>	<b>8.68%</b>	<b>18.98%</b>	<b>8.55%</b>
8	<b>28.6954</b>	<b>28.424</b>	<b>0.2714</b>	<b>0.26936</b>	<b>13.468</b>	<b>2.255</b>	<b>11.79%</b>	<b>30.60%</b>	<b>11.62%</b>
9	<b>28.056</b>	<b>27.8365</b>	<b>0.2195</b>	<b>0.21746</b>	<b>10.873</b>	<b>2.595</b>	<b>13.57%</b>	<b>43.97%</b>	<b>13.37%</b>
10	<b>30.2456</b>	<b>30.1248</b>	<b>0.1208</b>	<b>0.11876</b>	<b>5.938</b>	<b>4.935</b>	<b>25.81%</b>	<b>69.40%</b>	<b>25.43%</b>
						<b>5.938</b>	<b>31.05%</b>		<b>30.60%</b>

A-120

US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	<b>54.2378</b>	<b>54.4502</b>	<b>0.2124</b>	<b>74.76%</b>	<b>1.09%</b>		
10	-1 to -1.5	<b>51.9431</b>	<b>51.9436</b>	<b>0.0005</b>	<b>0.18%</b>	<b>0.00%</b>		
14	-0.5 to -1	<b>49.6099</b>	<b>49.6132</b>	<b>0.0033</b>	<b>1.16%</b>	<b>0.02%</b>	<b>% Gravel</b>	<b>1.09%</b>
18	0 to -0.5	<b>46.0208</b>	<b>46.0232</b>	<b>0.0024</b>	<b>0.84%</b>	<b>0.01%</b>	<b>% Sand</b>	<b>0.30%</b>
25	0.5 to 0.0	<b>41.98</b>	<b>41.9824</b>	<b>0.0024</b>	<b>0.84%</b>	<b>0.01%</b>	<b>% Silt</b>	<b>29.14%</b>
35	1.0 to 0.5	<b>43.8601</b>	<b>43.8624</b>	<b>0.0023</b>	<b>0.81%</b>	<b>0.01%</b>	<b>% Clay</b>	<b>69.40%</b>
45	1.5 to 1.0	<b>39.5729</b>	<b>39.5764</b>	<b>0.0035</b>	<b>1.23%</b>	<b>0.02%</b>	<b>% Sieve loss</b>	<b>0.01%</b>
60	2.0 to 1.5	<b>40.1717</b>	<b>40.1763</b>	<b>0.0046</b>	<b>1.62%</b>	<b>0.02%</b>		
80	2.5 to 2.0	<b>35.8385</b>	<b>35.8457</b>	<b>0.0072</b>	<b>2.53%</b>	<b>0.04%</b>	<b>% Total</b>	<b>99.94%</b>
120	3.0 to 2.5	<b>34.6294</b>	<b>34.6402</b>	<b>0.0108</b>	<b>3.80%</b>	<b>0.06%</b>		
170	3.5 to 3.0	<b>34.2157</b>	<b>34.2284</b>	<b>0.0127</b>	<b>4.47%</b>	<b>0.07%</b>		
230	4.0 to 3.5	<b>33.7418</b>	<b>33.7504</b>	<b>0.0086</b>	<b>3.03%</b>	<b>0.04%</b>		
Pan	>4.0	<b>22.0087</b>	<b>22.0196</b>	<b>0.0109</b>				

Coarse Fract **0.2732**  
 Sieve Total **0.2707**  
 Sieve Loss **0.0025**

Sample M1/1

Cruise No. **MMS 1988-B2** Total Weight **37.31697** Weight >4phi **0.92777**  
 Sample No. **M 1 - 1** Weight <4phi **36.3892**

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol)	Wt Mat. in Si	Weight %	Cum Wt %	Cc Overall Wt %
<b>Total</b>	<b>27.5037</b>	<b>27.4831</b>	<b>0.0206</b>	<b>0.0185554</b>	<b>0.92777</b>	<b>x.xx</b>	<b>x.xx</b>	<b>97.51%</b>	
<b>4.5</b>	<b>27.4264</b>	<b>27.406</b>	<b>0.0204</b>	<b>0.0183554</b>	<b>0.91777</b>	<b>0.01</b>	<b>1.08%</b>	<b>97.54%</b>	<b>0.03%</b>
<b>5</b>	<b>28.8286</b>	<b>28.8083</b>	<b>0.0203</b>	<b>0.0182554</b>	<b>0.91277</b>	<b>0.005</b>	<b>0.54%</b>	<b>97.55%</b>	<b>0.01%</b>
<b>5.5</b>	<b>27.7523</b>	<b>27.7322</b>	<b>0.0201</b>	<b>0.0180554</b>	<b>0.90277</b>	<b>0.01</b>	<b>1.08%</b>	<b>97.58%</b>	<b>0.03%</b>
<b>6</b>	<b>28.4657</b>	<b>28.4459</b>	<b>0.0198</b>	<b>0.0177554</b>	<b>0.88777</b>	<b>0.015</b>	<b>1.62%</b>	<b>97.62%</b>	<b>0.04%</b>
<b>7</b>	<b>27.0669</b>	<b>27.0472</b>	<b>0.0197</b>	<b>0.0176554</b>	<b>0.88277</b>	<b>0.005</b>	<b>0.54%</b>	<b>97.63%</b>	<b>0.01%</b>
<b>8</b>	<b>28.4424</b>	<b>28.4235</b>	<b>0.0189</b>	<b>0.0168554</b>	<b>0.84277</b>	<b>0.04</b>	<b>4.31%</b>	<b>97.74%</b>	<b>0.11%</b>
<b>9</b>	<b>27.8552</b>	<b>27.8366</b>	<b>0.0186</b>	<b>0.0165554</b>	<b>0.82777</b>	<b>0.015</b>	<b>1.62%</b>	<b>97.78%</b>	<b>0.04%</b>
<b>10</b>	<b>30.1398</b>	<b>30.122</b>	<b>0.0178</b>	<b>0.0157554</b>	<b>0.78777</b>	<b>0.04</b>	<b>4.31%</b>	<b>97.89%</b>	<b>0.11%</b>
						<b>0.78777</b>	<b>84.91%</b>		<b>2.11%</b>

A-121	US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
	7	-1.5 to -2	54.2441	56.3296	2.0855	5.73%	5.59%		
	10	-1 to -1.5	51.9499	52.6063	0.6564	1.80%	1.76%		
	14	-0.5 to -1	49.6174	50.6174	1	2.75%	2.68%	% Gravel	7.35%
	18	0 to -0.5	46.031	46.9099	0.8789	2.42%	2.36%	% Sand	90.14%
	25	0.5 to 0.0	41.9889	42.98	0.9911	2.72%	2.66%	% Silt	0.23%
	35	1.0 to 0.5	43.8718	44.8916	1.0198	2.80%	2.73%	% Clay	2.26%
	45	1.5 to 1.0	40.8236	46.461	5.6374	15.49%	15.11%	% Sieve loss	0.02%
	60	2.0 to 1.5	40.185	51.489	11.304	31.06%	30.29%		
	80	2.5 to 2.0	35.8424	36.7987	0.9563	2.63%	2.56%	% Total	99.99%
	120	3.0 to 2.5	34.9463	46.0054	11.0591	30.39%	29.64%		
	170	3.5 to 3.0	34.222	34.4691	0.2471	0.68%	0.66%		
	230	4.0 to 3.5	33.7455	34.2894	0.5439	1.49%	1.46%		
	Pan	>4.0	21.5192	21.5222	0.003				

Coarse Fract **36.3862**  
 Sieve Total **36.3795**  
 Sieve Loss **0.0067**

Sample M1/2

Cruise No. **MMS 1988-B2** Total Weight **34.37947** Weight >4phi **2.21277**  
 Sample No. **M 1 - 2** Weight <4phi **32.1667**

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol) Wt	Mat. In Si	Weight %	Cum Wt %	Cc Overall Wt %
Total	<b>27.9881</b>	<b>27.9418</b>	<b>0.0463</b>	<b>0.0442554</b>	<b>2.21277</b>	<b>x.xx</b>	<b>x.xx</b>	<b>93.56%</b>	
4.5	<b>26.7741</b>	<b>26.73</b>	<b>0.0441</b>	<b>0.0420554</b>	<b>2.10277</b>	<b>0.11</b>	<b>4.97%</b>	<b>93.88%</b>	<b>0.32%</b>
5	<b>25.9908</b>	<b>25.947</b>	<b>0.0438</b>	<b>0.0417554</b>	<b>2.08777</b>	<b>0.015</b>	<b>0.68%</b>	<b>93.93%</b>	<b>0.04%</b>
5.5	<b>27.2423</b>	<b>27.1985</b>	<b>0.0438</b>	<b>0.0417554</b>	<b>2.08777</b>	<b>0</b>	<b>0.00%</b>	<b>93.93%</b>	<b>0.00%</b>
6	<b>27.6638</b>	<b>27.6207</b>	<b>0.0431</b>	<b>0.0410554</b>	<b>2.05277</b>	<b>0.035</b>	<b>1.58%</b>	<b>94.03%</b>	<b>0.10%</b>
7	<b>27.495</b>	<b>27.4559</b>	<b>0.0391</b>	<b>0.0370554</b>	<b>1.85277</b>	<b>0.2</b>	<b>9.04%</b>	<b>94.61%</b>	<b>0.58%</b>
8	<b>29.1632</b>	<b>29.1242</b>	<b>0.039</b>	<b>0.0369554</b>	<b>1.84777</b>	<b>0.005</b>	<b>0.23%</b>	<b>94.63%</b>	<b>0.01%</b>
9	<b>27.864</b>	<b>27.8287</b>	<b>0.0353</b>	<b>0.0332554</b>	<b>1.66277</b>	<b>0.185</b>	<b>8.36%</b>	<b>95.16%</b>	<b>0.54%</b>
10	<b>27.5224</b>	<b>27.4905</b>	<b>0.0319</b>	<b>0.0298554</b>	<b>1.49277</b>	<b>0.17</b>	<b>7.68%</b>	<b>95.66%</b>	<b>0.49%</b>
						<b>1.49277</b>	<b>67.46%</b>		<b>4.34%</b>

A-122	US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
	7	-1.5 to -2	<b>54.2435</b>	<b>57.5401</b>	<b>3.2966</b>	<b>10.25%</b>	<b>9.59%</b>		
10	-1 to -1.5	<b>51.9495</b>	<b>52.8866</b>	<b>0.9371</b>	<b>2.91%</b>	<b>2.73%</b>			
14	-0.5 to -1	<b>49.617</b>	<b>50.7174</b>	<b>1.1004</b>	<b>3.42%</b>	<b>3.20%</b>		<b>% Gravel</b>	<b>12.31%</b>
18	0 to -0.5	<b>46.0309</b>	<b>46.9175</b>	<b>0.8866</b>	<b>2.76%</b>	<b>2.58%</b>		<b>% Sand</b>	<b>81.17%</b>
25	0.5 to 0.0	<b>41.9896</b>	<b>42.8993</b>	<b>0.9097</b>	<b>2.83%</b>	<b>2.65%</b>		<b>% Silt</b>	<b>1.06%</b>
35	1.0 to 0.5	<b>43.8712</b>	<b>44.7757</b>	<b>0.9045</b>	<b>2.81%</b>	<b>2.63%</b>		<b>% Clay</b>	<b>5.37%</b>
45	1.5 to 1.0	<b>40.8214</b>	<b>45.8495</b>	<b>5.0281</b>	<b>15.63%</b>	<b>14.63%</b>		<b>% Sieve loss</b>	<b>0.03%</b>
60	2.0 to 1.5	<b>40.1838</b>	<b>48.2873</b>	<b>8.1035</b>	<b>25.19%</b>	<b>23.57%</b>			
80	2.5 to 2.0	<b>35.8414</b>	<b>36.4185</b>	<b>0.5771</b>	<b>1.79%</b>	<b>1.68%</b>		<b>% Total</b>	<b>99.96%</b>
120	3.0 to 2.5	<b>34.9461</b>	<b>43.6537</b>	<b>8.7076</b>	<b>27.07%</b>	<b>25.33%</b>			
170	3.5 to 3.0	<b>34.2208</b>	<b>34.5033</b>	<b>0.2825</b>	<b>0.88%</b>	<b>0.82%</b>			
230	4.0 to 3.5	<b>33.7448</b>	<b>35.1523</b>	<b>1.4075</b>	<b>4.38%</b>	<b>4.09%</b>			
Pan	>4.0	<b>21.5182</b>	<b>21.5336</b>	<b>0.0154</b>					

Coarse Fract **32.1513**  
 Sieve Total **32.1412**  
 Sieve Loss **0.0101**

Sample M1/3

Cruise No. **MMS 1988-B2** Total Weight 67.81667 Weight >4phi 1.11277  
 Sample No. **M 1 - 3** Weight <4phi 66.7039

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol)	Wt Mat. in Si	Weight %	Cum Wt %	Cc Overall Wt %
Total	27.6805	27.6562	0.0243	0.0222554	1.11277	x.xx	x.xx	98.36%	
4.5	27.3552	27.3311	0.0241	0.0220554	1.10277	0.01	0.90%	98.37%	0.01%
5	29.1737	29.1499	0.0238	0.0217554	1.08777	0.015	1.35%	98.40%	0.02%
5.5	27.2608	27.2372	0.0236	0.0215554	1.07777	0.01	0.90%	98.41%	0.01%
6	28.7384	28.7152	0.0232	0.0211554	1.05777	0.02	1.80%	98.44%	0.03%
7	27.2742	27.251	0.0232	0.0211554	1.05777	0	0.00%	98.44%	0.00%
8	25.6885	25.6653	0.0232	0.0211554	1.05777	-1.776E-13	0.00%	98.44%	0.00%
9	26.6123	26.5895	0.0228	0.0207554	1.03777	0.02	1.80%	98.47%	0.03%
10	28.7346	28.7129	0.0217	0.0196554	0.98277	0.055	4.94%	98.55%	0.08%
						0.98277	88.32%		1.45%

A-123	US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
	7	-1.5 to -2	54.2446	59.2059	4.9613	7.44%	7.32%		
	10	-1 to -1.5	51.9497	54.3098	2.3601	3.54%	3.48%		
	14	-0.5 to -1	49.6173	51.8184	2.2011	3.30%	3.25%	% Gravel	10.80%
	18	0 to -0.5	46.0316	48.4261	2.3945	3.59%	3.53%	% Sand	87.55%
	25	0.5 to 0.0	41.9897	45.6017	3.612	5.41%	5.33%	% Silt	0.08%
	35	1.0 to 0.5	43.8714	50.4872	6.6158	9.92%	9.76%	% Clay	1.56%
	45	1.5 to 1.0	40.8232	57.1497	16.3265	24.48%	24.07%	% Sieve loss	0.01%
	60	2.0 to 1.5	40.1844	61.2419	21.0575	31.57%	31.05%		
	80	2.5 to 2.0	35.8426	37.2446	1.402	2.10%	2.07%	% Total	99.99%
	120	3.0 to 2.5	34.9451	40.4499	5.5048	8.25%	8.12%		
	170	3.5 to 3.0	34.2228	34.2767	0.0539	0.08%	0.08%		
	230	4.0 to 3.5	33.7467	33.9511	0.2044	0.31%	0.30%		
	Pan	>4.0	21.5245	21.5283	0.0038				

Coarse Fract 66.7001  
 Sieve Total 66.6939  
 Sieve Loss 0.0062

Sample M1/4

Cruise No. **MMS 1988-B2** Total Weight **61.79367** Weight >4phi **1.45777**  
 Sample No. **M 1 - 4** Weight <4phi **60.3359**

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol) Wt	Mat. in Si	Weight %	Cum Wt %	Cc Overall Wt %
Total	<b>30.3717</b>	<b>30.3405</b>	<b>0.0312</b>	<b>0.0291554</b>	<b>1.45777</b>	<b>x.xx</b>	<b>x.xx</b>	<b>97.64%</b>	
4.5	<b>27.3148</b>	<b>27.2843</b>	<b>0.0305</b>	<b>0.0284554</b>	<b>1.42277</b>	<b>0.035</b>	<b>2.40%</b>	<b>97.70%</b>	<b>0.06%</b>
5	<b>28.5247</b>	<b>28.4949</b>	<b>0.0298</b>	<b>0.0277554</b>	<b>1.38777</b>	<b>0.035</b>	<b>2.40%</b>	<b>97.75%</b>	<b>0.06%</b>
5.5	<b>29.6555</b>	<b>29.6258</b>	<b>0.0297</b>	<b>0.0276554</b>	<b>1.38277</b>	<b>0.005</b>	<b>0.34%</b>	<b>97.76%</b>	<b>0.01%</b>
6	<b>29.5763</b>	<b>29.5468</b>	<b>0.0295</b>	<b>0.0274554</b>	<b>1.37277</b>	<b>0.01</b>	<b>0.69%</b>	<b>97.78%</b>	<b>0.02%</b>
7	<b>25.9659</b>	<b>25.9364</b>	<b>0.0295</b>	<b>0.0274554</b>	<b>1.37277</b>	<b>-1.776E-13</b>	<b>0.00%</b>	<b>97.78%</b>	<b>0.00%</b>
8	<b>26.6831</b>	<b>26.6544</b>	<b>0.0287</b>	<b>0.0266554</b>	<b>1.33277</b>	<b>0.04</b>	<b>2.74%</b>	<b>97.84%</b>	<b>0.06%</b>
9	<b>29.2285</b>	<b>29.2011</b>	<b>0.0274</b>	<b>0.0253554</b>	<b>1.26777</b>	<b>0.065</b>	<b>4.46%</b>	<b>97.95%</b>	<b>0.11%</b>
10	<b>27.1938</b>	<b>27.168</b>	<b>0.0256</b>	<b>0.0235554</b>	<b>1.17777</b>	<b>0.09</b>	<b>6.17%</b>	<b>98.09%</b>	<b>0.15%</b>
						<b>1.17777</b>	<b>80.79%</b>		<b>1.91%</b>

A-124	US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
	7	-1.5 to -2	<b>54.2438</b>	<b>58.9389</b>	<b>4.6951</b>	<b>7.78%</b>	<b>7.60%</b>		
	10	-1 to -1.5	<b>51.9476</b>	<b>53.2968</b>	<b>1.3492</b>	<b>2.24%</b>	<b>2.18%</b>		
	14	-0.5 to -1	<b>49.6143</b>	<b>50.7172</b>	<b>1.1029</b>	<b>1.83%</b>	<b>1.78%</b>	<b>% Gravel</b>	<b>9.78%</b>
	18	0 to -0.5	<b>46.0299</b>	<b>47.0541</b>	<b>1.0242</b>	<b>1.70%</b>	<b>1.66%</b>	<b>% Sand</b>	<b>87.81%</b>
	25	0.5 to 0.0	<b>41.9878</b>	<b>43.1096</b>	<b>1.1218</b>	<b>1.86%</b>	<b>1.82%</b>	<b>% Silt</b>	<b>0.20%</b>
	35	1.0 to 0.5	<b>43.8697</b>	<b>44.9861</b>	<b>1.1164</b>	<b>1.85%</b>	<b>1.81%</b>	<b>% Clay</b>	<b>2.16%</b>
	45	1.5 to 1.0	<b>40.8244</b>	<b>53.0089</b>	<b>12.1845</b>	<b>20.19%</b>	<b>19.72%</b>	<b>% Sieve loss</b>	<b>0.04%</b>
	60	2.0 to 1.5	<b>40.1827</b>	<b>63.3785</b>	<b>23.1958</b>	<b>38.44%</b>	<b>37.54%</b>		
	80	2.5 to 2.0	<b>35.8424</b>	<b>41.1635</b>	<b>5.3211</b>	<b>8.82%</b>	<b>8.61%</b>	<b>% Total</b>	<b>99.99%</b>
	120	3.0 to 2.5	<b>34.9415</b>	<b>43.5387</b>	<b>8.5972</b>	<b>14.25%</b>	<b>13.91%</b>		
	170	3.5 to 3.0	<b>34.221</b>	<b>34.6345</b>	<b>0.4135</b>	<b>0.69%</b>	<b>0.67%</b>		
	230	4.0 to 3.5	<b>33.7424</b>	<b>33.9234</b>	<b>0.181</b>	<b>0.30%</b>	<b>0.29%</b>		
	Pan	>4.0	<b>21.5316</b>	<b>21.5393</b>	<b>0.0077</b>				

Coarse Fract **60.3282**  
 Sieve Total **60.3027**  
 Sieve Loss **0.0255**



Sample M1/5

Cruise No. **MMS 1988-B2** Total Weight 51.80547 Weight >4phi 1.26277  
 Sample No. **M 1 - 5** Weight <4phi **50.5427**

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol) Wt	Mat. in Si	Weight %	Cum Wt %	Cc Overall Wt %
Total	<b>27.8597</b>	<b>27.8324</b>	0.0273	0.0252554	1.26277	x.xx	x.xx	97.56%	
4.5	<b>26.2936</b>	<b>26.2673</b>	0.0263	0.0242554	1.21277	0.05	3.96%	97.66%	0.10%
5	<b>27.8414</b>	<b>27.8156</b>	0.0258	0.0237554	1.18777	0.025	1.98%	97.71%	0.05%
5.5	<b>26.7517</b>	<b>26.7263</b>	0.0254	0.0233554	1.16777	0.02	1.58%	97.75%	0.04%
6	<b>28.8501</b>	<b>28.8247</b>	0.0254	0.0233554	1.16777	0	0.00%	97.75%	0.00%
7	<b>28.5099</b>	<b>28.4853</b>	0.0246	0.0225554	1.12777	0.04	3.17%	97.82%	0.08%
8	<b>26.8547</b>	<b>26.8303</b>	0.0244	0.0223554	1.11777	0.01	0.79%	97.84%	0.02%
9	<b>28.8313</b>	<b>28.807</b>	0.0243	0.0222554	1.11277	0.005	0.40%	97.85%	0.01%
10	<b>25.4309</b>	<b>25.407</b>	0.0239	0.0218554	1.09277	0.02	1.58%	97.89%	0.04%
						1.09277	86.54%		2.11%

A-125	US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
	7	-1.5 to -2	<b>54.2439</b>	<b>55.5778</b>	1.3339	2.64%	2.57%		
	10	-1 to -1.5	<b>51.9499</b>	<b>52.7443</b>	0.7944	1.57%	1.53%		
	14	-0.5 to -1	<b>49.6179</b>	<b>50.4896</b>	0.8717	1.72%	1.68%	% Gravel	4.11%
	18	0 to -0.5	<b>46.0313</b>	<b>46.8929</b>	0.8616	1.70%	1.66%	% Sand	93.41%
	25	0.5 to 0.0	<b>41.9893</b>	<b>43.3461</b>	1.3568	2.68%	2.62%	% Silt	0.28%
	35	1.0 to 0.5	<b>43.8711</b>	<b>45.1313</b>	1.2602	2.49%	2.43%	% Clay	2.16%
	45	1.5 to 1.0	<b>40.8243</b>	<b>48.7619</b>	7.9376	15.70%	15.32%	% Sieve loss	0.04%
	60	2.0 to 1.5	<b>40.1844</b>	<b>58.8241</b>	18.6397	36.88%	35.98%		
	80	2.5 to 2.0	<b>35.8422</b>	<b>38.3809</b>	2.5387	5.02%	4.90%	% Total	99.99%
	120	3.0 to 2.5	<b>34.9447</b>	<b>49.0576</b>	14.1129	27.92%	27.24%		
	170	3.5 to 3.0	<b>34.2219</b>	<b>34.6828</b>	0.4609	0.91%	0.89%		
	230	4.0 to 3.5	<b>33.7456</b>	<b>34.0975</b>	0.3519	0.70%	0.68%		
	Pan	>4.0	<b>21.5191</b>	<b>21.5229</b>	0.0038				

Coarse Fract 50.5389  
 Sieve Total 50.5203  
 Sieve Loss 0.0186

Sample M1/6

Cruise No. **MMS 1988-B2** Total Weight 93.30667 Weight >4phi 1.52777  
 Sample No. **M 1 - 6** Weight <4phi 91.7789

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol) Wt	Mat. in Si	Weight %	Cum Wt %	Cc Overall Wt %
Total	27.3557	27.3231	0.0326	0.0305554	1.52777	x.xx	x.xx	98.36%	
4.5	26.4257	26.394	0.0317	0.0296554	1.48277	0.045	2.95%	98.41%	0.05%
5	23.9572	23.9255	0.0317	0.0296554	1.48277	0	0.00%	98.41%	0.00%
5.5	29.8833	29.8517	0.0316	0.0295554	1.47777	0.005	0.33%	98.42%	0.01%
6	28.3809	28.3498	0.0311	0.0290554	1.45277	0.025	1.64%	98.44%	0.03%
7	28.712	28.6811	0.0309	0.0288554	1.44277	0.01	0.65%	98.45%	0.01%
8	26.9343	26.9035	0.0308	0.0287554	1.43777	0.005	0.33%	98.46%	0.01%
9	26.4293	26.3986	0.0307	0.0286554	1.43277	0.005	0.33%	98.46%	0.01%
10	27.9036	27.876	0.0276	0.0255554	1.27777	0.155	10.15%	98.63%	0.17%
						1.27777	83.64%		1.37%

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.251	59.5126	5.2616	5.73%	5.64%		
10	-1 to -1.5	51.9525	52.9762	1.0237	1.12%	1.10%		
14	-0.5 to -1	49.617	50.7946	1.1776	1.28%	1.26%	% Gravel	6.74%
18	0 to -0.5	46.0327	47.2903	1.2576	1.37%	1.35%	% Sand	91.58%
25	0.5 to 0.0	41.9903	43.3098	1.3195	1.44%	1.41%	% Silt	0.10%
35	1.0 to 0.5	43.8713	45.0836	1.2123	1.32%	1.30%	% Clay	1.54%
45	1.5 to 1.0	40.8234	59.3118	18.4884	20.14%	19.81%	% Sieve loss	0.03%
60	2.0 to 1.5	40.1859	81.6633	41.4774	45.19%	44.45%		
80	2.5 to 2.0	35.8463	50.7552	14.9089	16.24%	15.98%	% Total	99.99%
120	3.0 to 2.5	34.9484	39.8205	4.8721	5.31%	5.22%		
170	3.5 to 3.0	34.2275	34.8716	0.6441	0.70%	0.69%		
230	4.0 to 3.5	33.7501	33.8457	0.0956	0.10%	0.10%		
Pan	>4.0	21.5499	21.5576	0.0077				

Coarse Fract 91.7712  
 Sieve Total 91.7388  
 Sieve Loss 0.0324

Sample M2/1

Cruise No. **MMS 1988-B2** Total Weight **45.8851** Weight >4phi **2.108**  
 Sample No. **M 2 - 1** Weight <4phi **43.7771**

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol) Wt	Mat. in Si	Weight %	Cum Wt %	Cc Overall Wt %
Total	<b>27.4981</b>	<b>27.4539</b>	<b>0.0442</b>	<b>0.04216</b>	<b>2.108</b>	<b>x.xx</b>	<b>x.xx</b>	<b>95.41%</b>	
4.5	<b>27.5337</b>	<b>27.4906</b>	<b>0.0431</b>	<b>0.04106</b>	<b>2.053</b>	<b>0.055</b>	<b>2.61%</b>	<b>95.53%</b>	<b>0.12%</b>
5	<b>27.6976</b>	<b>27.6554</b>	<b>0.0422</b>	<b>0.04016</b>	<b>2.008</b>	<b>0.045</b>	<b>2.13%</b>	<b>95.62%</b>	<b>0.10%</b>
5.5	<b>28.7574</b>	<b>28.7168</b>	<b>0.0406</b>	<b>0.03856</b>	<b>1.928</b>	<b>0.08</b>	<b>3.80%</b>	<b>95.80%</b>	<b>0.17%</b>
6	<b>29.1906</b>	<b>29.15</b>	<b>0.0406</b>	<b>0.03856</b>	<b>1.928</b>	<b>0</b>	<b>0.00%</b>	<b>95.80%</b>	<b>0.00%</b>
7	<b>27.3236</b>	<b>27.2843</b>	<b>0.0393</b>	<b>0.03726</b>	<b>1.863</b>	<b>0.065</b>	<b>3.08%</b>	<b>95.94%</b>	<b>0.14%</b>
8	<b>27.8654</b>	<b>27.8288</b>	<b>0.0366</b>	<b>0.03456</b>	<b>1.728</b>	<b>0.135</b>	<b>6.40%</b>	<b>96.23%</b>	<b>0.29%</b>
9	<b>28.8143</b>	<b>28.7815</b>	<b>0.0328</b>	<b>0.03076</b>	<b>1.538</b>	<b>0.19</b>	<b>9.01%</b>	<b>96.65%</b>	<b>0.41%</b>
10	<b>25.6951</b>	<b>25.6662</b>	<b>0.0289</b>	<b>0.02686</b>	<b>1.343</b>	<b>0.195</b>	<b>9.25%</b>	<b>97.07%</b>	<b>0.42%</b>
						<b>1.343</b>	<b>63.71%</b>		<b>2.93%</b>

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	<b>54.2301</b>	<b>55.6205</b>	1.3904	3.18%	3.03%		
10	-1 to -1.5	<b>51.9331</b>	<b>52.5415</b>	0.6084	1.39%	1.33%		
14	-0.5 to -1	<b>49.6001</b>	<b>50.2567</b>	0.6566	1.50%	1.43%	% Gravel	4.36%
18	0 to -0.5	<b>46.0104</b>	<b>46.6166</b>	0.6062	1.38%	1.32%	% Sand	91.01%
25	0.5 to 0.0	<b>41.969</b>	<b>42.7145</b>	0.7455	1.70%	1.62%	% Silt	0.82%
35	1.0 to 0.5	<b>43.8479</b>	<b>44.5716</b>	0.7237	1.65%	1.58%	% Clay	3.76%
45	1.5 to 1.0	<b>39.5774</b>	<b>47.5575</b>	7.9801	18.23%	17.39%	% Sieve loss	0.03%
60	2.0 to 1.5	<b>40.1646</b>	<b>60.0292</b>	19.8646	45.38%	43.29%		
80	2.5 to 2.0	<b>35.8364</b>	<b>44.6028</b>	8.7664	20.03%	19.11%	% Total	99.98%
120	3.0 to 2.5	<b>34.6236</b>	<b>36.3956</b>	1.772	4.05%	3.86%		
170	3.5 to 3.0	<b>34.0053</b>	<b>34.4185</b>	0.4132	0.94%	0.90%		
230	4.0 to 3.5	<b>33.7298</b>	<b>33.9617</b>	0.2319	0.53%	0.51%		
Pan	>4.0	<b>21.2655</b>	<b>21.2696</b>	0.0041				

Coarse Fract **43.773**  
 Sieve Total **43.759**  
 Sieve Loss **0.014**

Sample M2/2

Cruise No. **MMS 1988-B2** Total Weight **47.9705** Weight >4phi **2.313**  
 Sample No. **M 2 - 2** Weight <4phi **45.6575**

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol) Wt	Mat. in Si	Weight %	Cum Wt %	Cc Overall Wt %
Total	<b>30.974</b>	<b>30.9257</b>	<b>0.0483</b>	<b>0.04626</b>	<b>2.313</b>	<b>x.xx</b>	<b>x.xx</b>	<b>95.18%</b>	
4.5	<b>28.1038</b>	<b>28.0562</b>	<b>0.0476</b>	<b>0.04556</b>	<b>2.278</b>	<b>0.035</b>	<b>1.51%</b>	<b>95.25%</b>	<b>0.07%</b>
5	<b>27.1371</b>	<b>27.0899</b>	<b>0.0472</b>	<b>0.04516</b>	<b>2.258</b>	<b>0.02</b>	<b>0.86%</b>	<b>95.29%</b>	<b>0.04%</b>
5.5	<b>31.5191</b>	<b>31.4732</b>	<b>0.0459</b>	<b>0.04386</b>	<b>2.193</b>	<b>0.065</b>	<b>2.81%</b>	<b>95.43%</b>	<b>0.14%</b>
6	<b>27.2376</b>	<b>27.193</b>	<b>0.0446</b>	<b>0.04258</b>	<b>2.128</b>	<b>0.065</b>	<b>2.81%</b>	<b>95.56%</b>	<b>0.14%</b>
7	<b>29.2022</b>	<b>29.1589</b>	<b>0.0433</b>	<b>0.04126</b>	<b>2.063</b>	<b>0.065</b>	<b>2.81%</b>	<b>95.70%</b>	<b>0.14%</b>
8	<b>29.7274</b>	<b>29.6871</b>	<b>0.0403</b>	<b>0.03826</b>	<b>1.913</b>	<b>0.15</b>	<b>6.49%</b>	<b>96.01%</b>	<b>0.31%</b>
9	<b>29.2522</b>	<b>29.2152</b>	<b>0.037</b>	<b>0.03496</b>	<b>1.748</b>	<b>0.165</b>	<b>7.13%</b>	<b>96.36%</b>	<b>0.34%</b>
10	<b>27.5979</b>	<b>27.5701</b>	<b>0.0278</b>	<b>0.02576</b>	<b>1.288</b>	<b>0.46</b>	<b>19.89%</b>	<b>97.32%</b>	<b>0.96%</b>
						<b>1.288</b>	<b>55.69%</b>		<b>2.68%</b>

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	<b>54.2364</b>	<b>58.5909</b>	<b>4.3545</b>	<b>9.54%</b>	<b>9.08%</b>		
10	-1 to -1.5	<b>51.9406</b>	<b>52.6193</b>	<b>0.6787</b>	<b>1.49%</b>	<b>1.41%</b>		
14	-0.5 to -1	<b>49.609</b>	<b>50.2646</b>	<b>0.6556</b>	<b>1.44%</b>	<b>1.37%</b>	<b>% Gravel</b>	<b>10.49%</b>
18	0 to -0.5	<b>46.0195</b>	<b>46.6662</b>	<b>0.6467</b>	<b>1.42%</b>	<b>1.35%</b>	<b>% Sand</b>	<b>84.61%</b>
25	0.5 to 0.0	<b>41.9777</b>	<b>42.6309</b>	<b>0.6532</b>	<b>1.43%</b>	<b>1.36%</b>	<b>% Silt</b>	<b>0.84%</b>
35	1.0 to 0.5	<b>43.8566</b>	<b>44.4881</b>	<b>0.6315</b>	<b>1.38%</b>	<b>1.32%</b>	<b>% Clay</b>	<b>3.98%</b>
45	1.5 to 1.0	<b>39.5733</b>	<b>46.48</b>	<b>6.9067</b>	<b>15.13%</b>	<b>14.40%</b>	<b>% Sieve loss</b>	<b>0.07%</b>
60	2.0 to 1.5	<b>40.1713</b>	<b>59.744</b>	<b>19.5727</b>	<b>42.87%</b>	<b>40.80%</b>		
80	2.5 to 2.0	<b>35.8379</b>	<b>44.7338</b>	<b>8.8959</b>	<b>19.48%</b>	<b>18.54%</b>	<b>% Total</b>	<b>99.99%</b>
120	3.0 to 2.5	<b>34.6267</b>	<b>36.4971</b>	<b>1.8704</b>	<b>4.10%</b>	<b>3.90%</b>		
170	3.5 to 3.0	<b>34.2091</b>	<b>34.8587</b>	<b>0.6496</b>	<b>1.42%</b>	<b>1.35%</b>		
230	4.0 to 3.5	<b>33.7375</b>	<b>33.844</b>	<b>0.1065</b>	<b>0.23%</b>	<b>0.22%</b>		
Pan	>4.0	<b>21.09</b>	<b>21.0917</b>	<b>0.0017</b>				

Coarse Fract **45.6558**  
 Sieve Total **45.622**  
 Sieve Loss **0.0338**

Sample M2/3

Cruise No. **MMS 1988-B2** Total Weight **60.0057** Weight >4phi **3.038**  
 Sample No. **M 2 - 3** Weight <4phi **56.9677**

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol) Wt Mat.	in Sl	Weight %	Cum Wt %	Cc Overall Wt %
Total	<b>28.7866</b>	<b>28.7238</b>	<b>0.0628</b>	<b>0.06076</b>	<b>3.038</b>	<b>x.xx</b>	<b>x.xx</b>	<b>94.94%</b>	
4.5	<b>27.2597</b>	<b>27.1994</b>	<b>0.0603</b>	<b>0.05826</b>	<b>2.913</b>	<b>0.125</b>	<b>4.11%</b>	<b>95.15%</b>	<b>0.21%</b>
5	<b>28.1374</b>	<b>28.0783</b>	<b>0.0591</b>	<b>0.05706</b>	<b>2.853</b>	<b>0.06</b>	<b>1.97%</b>	<b>95.25%</b>	<b>0.10%</b>
5.5	<b>28.7443</b>	<b>28.6865</b>	<b>0.0578</b>	<b>0.05576</b>	<b>2.788</b>	<b>0.065</b>	<b>2.14%</b>	<b>95.35%</b>	<b>0.11%</b>
6	<b>29.2975</b>	<b>29.2402</b>	<b>0.0573</b>	<b>0.05526</b>	<b>2.763</b>	<b>0.025</b>	<b>0.82%</b>	<b>95.40%</b>	<b>0.04%</b>
7	<b>29.1937</b>	<b>29.1397</b>	<b>0.054</b>	<b>0.05196</b>	<b>2.598</b>	<b>0.165</b>	<b>5.43%</b>	<b>95.67%</b>	<b>0.27%</b>
8	<b>25.8166</b>	<b>25.7659</b>	<b>0.0507</b>	<b>0.04866</b>	<b>2.433</b>	<b>0.165</b>	<b>5.43%</b>	<b>95.95%</b>	<b>0.27%</b>
9	<b>28.5311</b>	<b>28.4862</b>	<b>0.0449</b>	<b>0.04286</b>	<b>2.143</b>	<b>0.29</b>	<b>9.55%</b>	<b>96.43%</b>	<b>0.48%</b>
10	<b>28.3774</b>	<b>28.3482</b>	<b>0.0292</b>	<b>0.02716</b>	<b>1.358</b>	<b>0.785</b>	<b>25.84%</b>	<b>97.74%</b>	<b>1.31%</b>
						<b>1.358</b>	<b>44.70%</b>		<b>2.26%</b>

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	<b>54.2366</b>	<b>56.0531</b>	<b>1.8165</b>	<b>3.19%</b>	<b>3.03%</b>		
10	-1 to -1.5	<b>51.9404</b>	<b>52.5064</b>	<b>0.566</b>	<b>0.99%</b>	<b>0.94%</b>		
14	-0.5 to -1	<b>49.6095</b>	<b>50.1963</b>	<b>0.5868</b>	<b>1.03%</b>	<b>0.98%</b>	<b>% Gravel</b>	<b>3.97%</b>
18	0 to -0.5	<b>46.0199</b>	<b>46.6251</b>	<b>0.6052</b>	<b>1.06%</b>	<b>1.01%</b>	<b>% Sand</b>	<b>90.92%</b>
25	0.5 to 0.0	<b>41.9778</b>	<b>42.6398</b>	<b>0.662</b>	<b>1.16%</b>	<b>1.10%</b>	<b>% Silt</b>	<b>1.00%</b>
35	1.0 to 0.5	<b>43.8575</b>	<b>44.5627</b>	<b>0.7052</b>	<b>1.24%</b>	<b>1.18%</b>	<b>% Clay</b>	<b>4.05%</b>
45	1.5 to 1.0	<b>39.5736</b>	<b>49.4993</b>	<b>9.9257</b>	<b>17.42%</b>	<b>16.54%</b>	<b>% Sieve loss</b>	<b>0.05%</b>
60	2.0 to 1.5	<b>40.1693</b>	<b>67.1471</b>	<b>26.9778</b>	<b>47.36%</b>	<b>44.96%</b>		
80	2.5 to 2.0	<b>35.8374</b>	<b>47.3321</b>	<b>11.4947</b>	<b>20.18%</b>	<b>19.16%</b>	<b>% Total</b>	<b>99.99%</b>
120	3.0 to 2.5	<b>34.6273</b>	<b>37.1862</b>	<b>2.5589</b>	<b>4.49%</b>	<b>4.26%</b>		
170	3.5 to 3.0	<b>34.2096</b>	<b>35.1335</b>	<b>0.9239</b>	<b>1.62%</b>	<b>1.54%</b>		
230	4.0 to 3.5	<b>33.7376</b>	<b>33.8489</b>	<b>0.1113</b>	<b>0.20%</b>	<b>0.19%</b>		
Pan	>4.0	<b>21.1023</b>	<b>21.1089</b>	<b>0.0066</b>				

Coarse Fract **56.9611**  
 Sieve Total **56.934**  
 Sieve Loss **0.0271**

Sample M2/4

Cruise No. **MMS 1988-B2** Total Weight **34.7532** Weight >4phi **2.508**  
 Sample No. **M 2 - 4** Weight <4phi **32.2452**

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol) Wt	Mat. in Si	Weight %	Cum Wt %	Cc Overall Wt %
Total	<b>29.4265</b>	<b>29.3743</b>	<b>0.0522</b>	<b>0.05016</b>	<b>2.508</b>	<b>x.xx</b>	<b>x.xx</b>	<b>92.78%</b>	
4.5	<b>27.5972</b>	<b>27.5469</b>	<b>0.0503</b>	<b>0.04826</b>	<b>2.413</b>	<b>0.095</b>	<b>3.79%</b>	<b>93.06%</b>	<b>0.27%</b>
5	<b>26.9117</b>	<b>26.8622</b>	<b>0.0495</b>	<b>0.04746</b>	<b>2.373</b>	<b>0.04</b>	<b>1.59%</b>	<b>93.17%</b>	<b>0.12%</b>
5.5	<b>26.9878</b>	<b>26.9388</b>	<b>0.049</b>	<b>0.04696</b>	<b>2.348</b>	<b>0.025</b>	<b>1.00%</b>	<b>93.24%</b>	<b>0.07%</b>
6	<b>28.4537</b>	<b>28.4058</b>	<b>0.0479</b>	<b>0.04586</b>	<b>2.293</b>	<b>0.055</b>	<b>2.19%</b>	<b>93.40%</b>	<b>0.16%</b>
7	<b>28.8394</b>	<b>28.7948</b>	<b>0.0446</b>	<b>0.04256</b>	<b>2.128</b>	<b>0.165</b>	<b>6.58%</b>	<b>93.88%</b>	<b>0.47%</b>
8	<b>28.5663</b>	<b>28.5252</b>	<b>0.0411</b>	<b>0.03906</b>	<b>1.953</b>	<b>0.175</b>	<b>6.98%</b>	<b>94.38%</b>	<b>0.50%</b>
9	<b>27.5429</b>	<b>27.5048</b>	<b>0.0381</b>	<b>0.03606</b>	<b>1.803</b>	<b>0.15</b>	<b>5.98%</b>	<b>94.81%</b>	<b>0.43%</b>
10	<b>29.3032</b>	<b>29.2723</b>	<b>0.0309</b>	<b>0.02886</b>	<b>1.443</b>	<b>0.36</b>	<b>14.35%</b>	<b>95.85%</b>	<b>1.04%</b>
						<b>1.443</b>	<b>57.54%</b>		<b>4.15%</b>

A-130	US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
	7	-1.5 to -2	<b>54.2304</b>	<b>54.8281</b>	<b>0.5977</b>	<b>1.85%</b>	<b>1.72%</b>		
10	-1 to -1.5	<b>51.9334</b>	<b>55.0212</b>	<b>3.0878</b>	<b>9.58%</b>	<b>8.88%</b>			
14	-0.5 to -1	<b>49.6003</b>	<b>49.6089</b>	<b>0.0086</b>	<b>0.03%</b>	<b>0.02%</b>		<b>% Gravel</b>	<b>10.60%</b>
18	0 to -0.5	<b>46.0108</b>	<b>46.0631</b>	<b>0.0523</b>	<b>0.16%</b>	<b>0.15%</b>		<b>% Sand</b>	<b>82.12%</b>
25	0.5 to 0.0	<b>41.9689</b>	<b>42.0385</b>	<b>0.0696</b>	<b>0.22%</b>	<b>0.20%</b>		<b>% Silt</b>	<b>1.59%</b>
35	1.0 to 0.5	<b>43.8482</b>	<b>43.9054</b>	<b>0.0572</b>	<b>0.18%</b>	<b>0.16%</b>		<b>% Clay</b>	<b>5.62%</b>
45	1.5 to 1.0	<b>39.5805</b>	<b>43.4158</b>	<b>3.8353</b>	<b>11.89%</b>	<b>11.04%</b>		<b>% Sieve loss</b>	<b>0.05%</b>
60	2.0 to 1.5	<b>40.1725</b>	<b>52.8464</b>	<b>12.6739</b>	<b>39.30%</b>	<b>36.47%</b>			
80	2.5 to 2.0	<b>35.8374</b>	<b>45.2872</b>	<b>9.4498</b>	<b>29.31%</b>	<b>27.19%</b>		<b>% Total</b>	<b>99.98%</b>
120	3.0 to 2.5	<b>34.6246</b>	<b>36.4941</b>	<b>1.8695</b>	<b>5.80%</b>	<b>5.38%</b>			
170	3.5 to 3.0	<b>34.0064</b>	<b>34.4477</b>	<b>0.4413</b>	<b>1.37%</b>	<b>1.27%</b>			
230	4.0 to 3.5	<b>33.7307</b>	<b>33.8149</b>	<b>0.0842</b>	<b>0.26%</b>	<b>0.24%</b>			
Pan	>4.0	<b>21.2676</b>	<b>21.2685</b>	<b>0.0009</b>					

Coarse Fract **32.2443**  
 Sieve Total **32.2272**  
 Sieve Loss **0.0171**

Sample M3/1

Cruise No. **MMS 1988-B2** Total Weight 36.8096 Weight >4phi 14.683  
 Sample No. **M3-1** Weight <4phi 22.1266

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol) Wt	Mat. in Si	Weight %	Cum Wt %	Cc Overall Wt %
Total	<b>29.0196</b>	<b>28.7239</b>	<b>0.2957</b>	<b>0.29366</b>	<b>14.683</b>	x.xx	x.xx	<b>60.11%</b>	
4.5	<b>27.4786</b>	<b>27.1987</b>	<b>0.2799</b>	<b>0.27786</b>	<b>13.893</b>	<b>0.79</b>	<b>5.38%</b>	<b>62.26%</b>	<b>2.15%</b>
5	<b>28.3438</b>	<b>28.0783</b>	<b>0.2655</b>	<b>0.26346</b>	<b>13.173</b>	<b>0.72</b>	<b>4.90%</b>	<b>64.21%</b>	<b>1.96%</b>
5.5	<b>28.9406</b>	<b>28.6854</b>	<b>0.2552</b>	<b>0.25316</b>	<b>12.658</b>	<b>0.515</b>	<b>3.51%</b>	<b>65.61%</b>	<b>1.40%</b>
6	<b>29.4868</b>	<b>29.2405</b>	<b>0.2463</b>	<b>0.24426</b>	<b>12.213</b>	<b>0.445</b>	<b>3.03%</b>	<b>66.82%</b>	<b>1.21%</b>
7	<b>29.3751</b>	<b>29.1381</b>	<b>0.237</b>	<b>0.23496</b>	<b>11.748</b>	<b>0.465</b>	<b>3.17%</b>	<b>68.08%</b>	<b>1.26%</b>
8	<b>29.9135</b>	<b>29.7658</b>	<b>0.1477</b>	<b>0.14566</b>	<b>7.283</b>	<b>4.465</b>	<b>30.41%</b>	<b>80.21%</b>	<b>12.13%</b>
9	<b>28.5332</b>	<b>28.4862</b>	<b>0.047</b>	<b>0.04496</b>	<b>2.248</b>	<b>5.035</b>	<b>34.29%</b>	<b>93.89%</b>	<b>13.68%</b>
10	<b>28.3781</b>	<b>28.3492</b>	<b>0.0289</b>	<b>0.02686</b>	<b>1.343</b>	<b>0.905</b>	<b>6.16%</b>	<b>96.35%</b>	<b>2.46%</b>
						<b>1.343</b>	<b>9.15%</b>		<b>3.65%</b>

A-131

US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	<b>54.239</b>	<b>54.3763</b>	<b>0.1373</b>	<b>0.62%</b>	<b>0.37%</b>		
10	-1 to -1.5	<b>51.9427</b>	<b>52.0425</b>	<b>0.0998</b>	<b>0.45%</b>	<b>0.27%</b>		
14	-0.5 to -1	<b>49.6097</b>	<b>49.7216</b>	<b>0.1119</b>	<b>0.51%</b>	<b>0.30%</b>	<b>% Gravel</b>	<b>0.64%</b>
18	0 to -0.5	<b>46.0227</b>	<b>46.1963</b>	<b>0.1736</b>	<b>0.78%</b>	<b>0.47%</b>	<b>% Sand</b>	<b>59.28%</b>
25	0.5 to 0.0	<b>41.9804</b>	<b>42.2181</b>	<b>0.2377</b>	<b>1.07%</b>	<b>0.65%</b>	<b>% Silt</b>	<b>20.11%</b>
35	1.0 to 0.5	<b>43.8601</b>	<b>44.0851</b>	<b>0.225</b>	<b>1.02%</b>	<b>0.61%</b>	<b>% Clay</b>	<b>19.79%</b>
45	1.5 to 1.0	<b>39.5701</b>	<b>41.0878</b>	<b>1.5177</b>	<b>6.86%</b>	<b>4.12%</b>	<b>% Sieve loss</b>	<b>0.02%</b>
60	2.0 to 1.5	<b>40.1727</b>	<b>43.3926</b>	<b>3.2199</b>	<b>14.55%</b>	<b>8.75%</b>		
80	2.5 to 2.0	<b>35.8379</b>	<b>40.4502</b>	<b>4.6123</b>	<b>20.85%</b>	<b>12.53%</b>	<b>% Total</b>	<b>99.84%</b>
120	3.0 to 2.5	<b>34.6284</b>	<b>40.4908</b>	<b>5.8624</b>	<b>26.49%</b>	<b>15.93%</b>		
170	3.5 to 3.0	<b>34.2172</b>	<b>38.7776</b>	<b>4.5604</b>	<b>20.61%</b>	<b>12.39%</b>		
230	4.0 to 3.5	<b>33.743</b>	<b>35.0439</b>	<b>1.3009</b>	<b>5.88%</b>	<b>3.53%</b>		
Pan	>4.0	<b>21.9811</b>	<b>22.0405</b>	<b>0.0594</b>				
			<b>Coarse Fract</b>	<b>22.0672</b>				
			<b>Sieve Total</b>	<b>22.0589</b>				
			<b>Sieve Loss</b>	<b>0.0083</b>				

Sample M3/2

Cruise No. **MMS 1988-B2** Total Weight **55.335** Weight >4phi **12.553**  
 Sample No. **M3-2** Weight <4phi **42.782**

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol) Wt	Mat. In Si	Weight %	Cum Wt %	Cc Overall Wt %
Total	<b>31.1781</b>	<b>30.925</b>	<b>0.2531</b>	<b>0.25106</b>	<b>12.553</b>	<b>x.xx</b>	<b>x.xx</b>	<b>77.31%</b>	
4.5	<b>28.2838</b>	<b>28.0566</b>	<b>0.2272</b>	<b>0.22516</b>	<b>11.258</b>	<b>1.295</b>	<b>10.32%</b>	<b>79.65%</b>	<b>2.34%</b>
5	<b>27.3105</b>	<b>27.0912</b>	<b>0.2193</b>	<b>0.21726</b>	<b>10.863</b>	<b>0.395</b>	<b>3.15%</b>	<b>80.37%</b>	<b>0.71%</b>
5.5	<b>31.6717</b>	<b>31.4727</b>	<b>0.199</b>	<b>0.19696</b>	<b>9.848</b>	<b>1.015</b>	<b>8.09%</b>	<b>82.20%</b>	<b>1.83%</b>
6	<b>27.383</b>	<b>27.1925</b>	<b>0.1905</b>	<b>0.18846</b>	<b>9.423</b>	<b>0.425</b>	<b>3.39%</b>	<b>82.97%</b>	<b>0.77%</b>
7	<b>29.3385</b>	<b>29.1597</b>	<b>0.1788</b>	<b>0.17676</b>	<b>8.838</b>	<b>0.585</b>	<b>4.66%</b>	<b>84.03%</b>	<b>1.06%</b>
8	<b>26.7659</b>	<b>26.6875</b>	<b>0.0784</b>	<b>0.07636</b>	<b>3.818</b>	<b>5.02</b>	<b>39.99%</b>	<b>93.10%</b>	<b>9.07%</b>
9	<b>29.2554</b>	<b>29.2148</b>	<b>0.0406</b>	<b>0.03856</b>	<b>1.928</b>	<b>1.89</b>	<b>15.06%</b>	<b>96.52%</b>	<b>3.42%</b>
10	<b>27.5977</b>	<b>27.5695</b>	<b>0.0282</b>	<b>0.02616</b>	<b>1.308</b>	<b>0.62</b>	<b>4.94%</b>	<b>97.64%</b>	<b>1.12%</b>
						<b>1.308</b>	<b>10.42%</b>		<b>2.36%</b>

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	<b>54.2394</b>	<b>54.5473</b>	<b>0.3079</b>	<b>0.72%</b>	<b>0.56%</b>		
10	-1 to -1.5	<b>51.9448</b>	<b>52.0624</b>	<b>0.1176</b>	<b>0.27%</b>	<b>0.21%</b>		
14	-0.5 to -1	<b>49.6018</b>	<b>49.8086</b>	<b>0.2068</b>	<b>0.48%</b>	<b>0.37%</b>	<b>% Gravel</b>	<b>0.77%</b>
18	0 to -0.5	<b>46.0232</b>	<b>46.3449</b>	<b>0.3217</b>	<b>0.75%</b>	<b>0.58%</b>	<b>% Sand</b>	<b>76.16%</b>
25	0.5 to 0.0	<b>41.9817</b>	<b>42.3453</b>	<b>0.3636</b>	<b>0.85%</b>	<b>0.66%</b>	<b>% Silt</b>	<b>15.78%</b>
35	1.0 to 0.5	<b>43.8618</b>	<b>44.2491</b>	<b>0.3873</b>	<b>0.91%</b>	<b>0.70%</b>	<b>% Clay</b>	<b>6.90%</b>
45	1.5 to 1.0	<b>39.5728</b>	<b>42.1308</b>	<b>2.558</b>	<b>5.98%</b>	<b>4.62%</b>	<b>% Sieve loss</b>	<b>0.03%</b>
60	2.0 to 1.5	<b>40.1715</b>	<b>48.6697</b>	<b>8.4982</b>	<b>19.86%</b>	<b>15.36%</b>		
80	2.5 to 2.0	<b>35.8382</b>	<b>47.1709</b>	<b>11.3327</b>	<b>26.49%</b>	<b>20.48%</b>	<b>% Total</b>	<b>99.64%</b>
120	3.0 to 2.5	<b>34.6293</b>	<b>44.4642</b>	<b>9.8349</b>	<b>22.99%</b>	<b>17.77%</b>		
170	3.5 to 3.0	<b>34.2181</b>	<b>40.5123</b>	<b>6.2942</b>	<b>14.71%</b>	<b>11.37%</b>		
230	4.0 to 3.5	<b>33.7432</b>	<b>36.0966</b>	<b>2.3534</b>	<b>5.50%</b>	<b>4.25%</b>		
Pan	>4.0	<b>21.9886</b>	<b>22.1781</b>	<b>0.1895</b>				

Coarse Fract **42.5925**  
 Sieve Total **42.5763**  
 Sieve Loss **0.0162**



Sample M3/3

Cruise No. **MMS 1988-B2** Total Weight **37.8212** Weight >4phi **12.713**  
 Sample No. **M3-3** Weight <4phi **25.1082**

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol) Wt	Mat. in Sl	Weight %	Cum Wt %	Cc Overall Wt %
Total	<b>28.0218</b>	<b>27.7655</b>	<b>0.2563</b>	<b>0.25426</b>	<b>12.713</b>	<b>x.xx</b>	<b>x.xx</b>	<b>66.39%</b>	
4.5	<b>29.6869</b>	<b>29.4466</b>	<b>0.2403</b>	<b>0.23826</b>	<b>11.913</b>	<b>0.8</b>	<b>6.29%</b>	<b>68.50%</b>	<b>2.12%</b>
5	<b>26.7634</b>	<b>26.534</b>	<b>0.2294</b>	<b>0.22736</b>	<b>11.368</b>	<b>0.545</b>	<b>4.29%</b>	<b>69.94%</b>	<b>1.44%</b>
5.5	<b>28.7276</b>	<b>28.5067</b>	<b>0.2209</b>	<b>0.21886</b>	<b>10.943</b>	<b>0.425</b>	<b>3.34%</b>	<b>71.07%</b>	<b>1.12%</b>
6	<b>27.5839</b>	<b>27.3708</b>	<b>0.2131</b>	<b>0.21106</b>	<b>10.553</b>	<b>0.39</b>	<b>3.07%</b>	<b>72.10%</b>	<b>1.03%</b>
7	<b>29.2552</b>	<b>29.0496</b>	<b>0.2056</b>	<b>0.20356</b>	<b>10.178</b>	<b>0.375</b>	<b>2.95%</b>	<b>73.09%</b>	<b>0.99%</b>
8	<b>27.503</b>	<b>27.3737</b>	<b>0.1293</b>	<b>0.12726</b>	<b>6.363</b>	<b>3.815</b>	<b>30.01%</b>	<b>83.18%</b>	<b>10.09%</b>
9	<b>28.7477</b>	<b>28.7071</b>	<b>0.0406</b>	<b>0.03856</b>	<b>1.928</b>	<b>4.435</b>	<b>34.89%</b>	<b>94.90%</b>	<b>11.73%</b>
10	<b>27.5081</b>	<b>27.4832</b>	<b>0.0249</b>	<b>0.02286</b>	<b>1.143</b>	<b>0.785</b>	<b>6.17%</b>	<b>96.98%</b>	<b>2.08%</b>
						<b>1.143</b>	<b>8.99%</b>		<b>3.02%</b>

A-133	US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
	7	-1.5 to -2	<b>54.2381</b>	<b>54.3599</b>	<b>0.1218</b>	<b>0.49%</b>	<b>0.32%</b>		
10	-1 to -1.5	<b>51.9439</b>	<b>52.0073</b>	<b>0.0634</b>	<b>0.25%</b>	<b>0.17%</b>			
14	-0.5 to -1	<b>49.6102</b>	<b>49.7196</b>	<b>0.1094</b>	<b>0.44%</b>	<b>0.29%</b>		<b>% Gravel</b>	<b>0.49%</b>
18	0 to -0.5	<b>46.0225</b>	<b>46.1659</b>	<b>0.1434</b>	<b>0.57%</b>	<b>0.38%</b>		<b>% Sand</b>	<b>65.64%</b>
25	0.5 to 0.0	<b>41.9809</b>	<b>42.1832</b>	<b>0.2023</b>	<b>0.81%</b>	<b>0.53%</b>		<b>% Silt</b>	<b>16.79%</b>
35	1.0 to 0.5	<b>43.8616</b>	<b>44.1017</b>	<b>0.2401</b>	<b>0.96%</b>	<b>0.63%</b>		<b>% Clay</b>	<b>16.83%</b>
45	1.5 to 1.0	<b>39.5731</b>	<b>41.2203</b>	<b>1.6472</b>	<b>6.56%</b>	<b>4.36%</b>		<b>% Sieve loss</b>	<b>0.04%</b>
60	2.0 to 1.5	<b>40.1736</b>	<b>44.7308</b>	<b>4.5572</b>	<b>18.15%</b>	<b>12.05%</b>			
80	2.5 to 2.0	<b>35.8396</b>	<b>43.1077</b>	<b>7.2681</b>	<b>28.95%</b>	<b>19.22%</b>		<b>% Total</b>	<b>99.79%</b>
120	3.0 to 2.5	<b>34.6285</b>	<b>40.0759</b>	<b>5.4474</b>	<b>21.70%</b>	<b>14.40%</b>			
170	3.5 to 3.0	<b>34.2178</b>	<b>38.2157</b>	<b>3.9979</b>	<b>15.92%</b>	<b>10.57%</b>			
230	4.0 to 3.5	<b>33.7435</b>	<b>34.9584</b>	<b>1.2149</b>	<b>4.84%</b>	<b>3.21%</b>			
Pan	>4.0	<b>21.9848</b>	<b>22.0634</b>	<b>0.0786</b>					

Coarse Fract 25.0296  
 Sieve Total 25.0131  
 Sieve Loss 0.0165

Sample M3/4

Cruise No. **MMS 1988-B2** Total Weight **36.62537** Weight >4phi **15.15777**  
 Sample No. **M 3 - 4** Weight <4phi **21.4676**

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol) Wt	Mat. in Si	Weight %	Cum Wt %	Cc Overall Wt %
<b>Total</b>	<b>29.0298</b>	<b>28.7246</b>	<b>0.3052</b>	<b>0.3031554</b>	<b>15.15777</b>	<b>x.xx</b>	<b>x.xx</b>	<b>58.61%</b>	
4.5	27.5001	27.2181	0.282	0.2799554	13.99777	1.16	7.65%	61.78%	3.17%
5	28.3599	28.0782	0.2817	0.2796554	13.98277	0.015	0.10%	61.82%	0.04%
5.5	28.9598	28.6864	0.2734	0.2713554	13.56777	0.415	2.74%	62.96%	1.13%
6	29.5054	29.2399	0.2655	0.2634554	13.17277	0.395	2.61%	64.03%	1.08%
7	29.3929	29.14	0.2529	0.2508554	12.54277	0.63	4.16%	65.75%	1.72%
8	25.9575	25.7658	0.1917	0.1896554	9.48277	3.06	20.19%	74.11%	8.35%
9	28.5661	28.4859	0.0802	0.0781554	3.90777	5.575	36.78%	89.33%	15.22%
10	28.3826	28.3491	0.0335	0.0314554	1.57277	2.335	15.40%	95.71%	6.38%
						1.57277	10.38%		4.29%

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.247	54.3065	0.0595	0.28%	0.16%		
10	-1 to -1.5	51.9533	52.0684	0.1151	0.54%	0.31%		
14	-0.5 to -1	49.6198	49.7255	0.1057	0.49%	0.29%	% Gravel	0.47%
18	0 to -0.5	46.0338	46.1782	0.1444	0.67%	0.39%	% Sand	58.04%
25	0.5 to 0.0	41.9814	42.2171	0.2357	1.10%	0.64%	% Silt	15.49%
35	1.0 to 0.5	43.8744	44.1025	0.2281	1.06%	0.62%	% Clay	25.89%
45	1.5 to 1.0	40.8236	42.1908	1.3672	6.37%	3.73%	% Sieve loss	0.00%
60	2.0 to 1.5	40.1863	44.4448	4.2585	19.84%	11.63%		
80	2.5 to 2.0	35.8448	36.8506	1.0058	4.69%	2.75%	% Total	99.89%
120	3.0 to 2.5	34.9535	44.4686	9.5151	44.32%	25.98%		
170	3.5 to 3.0	34.2219	35.8129	1.591	7.41%	4.34%		
230	4.0 to 3.5	33.7509	36.56	2.8091	13.09%	7.67%		
Pan	>4.0	21.5208	21.5518	0.031				

Coarse Fract 21.4366  
 Sieve Total 21.4352  
 Sieve Loss 0.0014

Sample M3/5

Cruise No. **MMS 1988-B2** Total Weight **44.48037** Weight >4phi **16.63777**  
 Sample No. **M 3 - 5** Weight <4phi **27.8426**

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol)	Wt Mat. in Si	Weight %	Cum Wt %	Cc Overall Wt %
<b>Total</b>	<b>31.2583</b>	<b>30.9235</b>	<b>0.3348</b>	<b>0.3327554</b>	<b>16.63777</b>	<b>x.xx</b>	<b>x.xx</b>	<b>62.60%</b>	
4.5	28.3694	28.0562	0.3132	0.3111554	15.55777	1.08	6.49%	65.02%	2.43%
5	27.3921	27.0907	0.3014	0.2993554	14.96777	0.59	3.55%	66.35%	1.33%
5.5	31.7624	31.4731	0.2893	0.2872554	14.36277	0.605	3.64%	67.71%	1.36%
6	27.4735	27.193	0.2805	0.2784554	13.92277	0.44	2.64%	68.70%	0.99%
7	29.4201	29.1596	0.2605	0.2584554	12.92277	1	6.01%	70.95%	2.25%
8	26.8638	26.6872	0.1766	0.1745554	8.72777	4.195	25.21%	80.38%	9.43%
9	29.274	29.2148	0.0592	0.0571554	2.85777	5.87	35.28%	93.58%	13.20%
10	27.6017	27.5704	0.0313	0.0292554	1.46277	1.395	8.38%	96.71%	3.14%
						1.46277	8.79%		3.29%

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.249	54.3543	0.1053	0.38%	0.24%		
10	-1 to -1.5	51.9541	52.0317	0.0776	0.28%	0.17%		
14	-0.5 to -1	49.6206	49.7002	0.0796	0.29%	0.18%	% Gravel	0.41%
18	0 to -0.5	46.0353	46.1852	0.1499	0.54%	0.34%	% Sand	62.00%
25	0.5 to 0.0	41.9938	42.2646	0.2708	0.97%	0.61%	% Silt	17.79%
35	1.0 to 0.5	43.8752	44.0978	0.2226	0.80%	0.50%	% Clay	19.63%
45	1.5 to 1.0	40.8289	42.6265	1.7976	6.46%	4.04%	% Sieve loss	0.04%
60	2.0 to 1.5	40.1927	45.3522	5.1595	18.53%	11.60%		
80	2.5 to 2.0	35.8474	37.1828	1.3354	4.80%	3.00%	% Total	99.87%
120	3.0 to 2.5	34.953	47.3133	12.3603	44.39%	27.79%		
170	3.5 to 3.0	34.2268	35.2462	1.0194	3.66%	2.29%		
230	4.0 to 3.5	33.7531	38.9347	5.1816	18.61%	11.65%		
Pan	>4.0	21.5267	21.59	0.0633				

Coarse Fract 27.7793  
 Sieve Total 27.7596  
 Sieve Loss 0.0197

Sample M3/6

Cruise No. **MMS 1988-B2** Total Weight **46.20477** Weight >4phi **17.11277**  
 Sample No. **M3 - 6** Weight <4phi **29.092**

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol) Wt	Mat. in Si	Weight %	Cum Wt %	Cc Overall Wt %
<b>Total</b>	<b>28.1094</b>	<b>27.7651</b>	<b>0.3443</b>	<b>0.3422554</b>	<b>17.11277</b>	<b>x.xx</b>	<b>x.xx</b>	<b>62.96%</b>	
4.5	29.7699	29.4472	0.3227	0.3206554	16.03277	1.08	6.31%	65.30%	2.34%
5	26.8453	26.5338	0.3115	0.3094554	15.47277	0.56	3.27%	66.51%	1.21%
5.5	28.8058	28.5068	0.299	0.2969554	14.84777	0.625	3.65%	67.87%	1.35%
6	27.6586	27.3698	0.2888	0.2867554	14.33777	0.51	2.98%	68.97%	1.10%
7	29.3238	29.0495	0.2743	0.2722554	13.61277	0.725	4.24%	70.54%	1.57%
8	27.498	27.3736	0.1244	0.1223554	6.11777	7.495	43.80%	86.76%	16.22%
9	28.7589	28.7075	0.0514	0.0493554	2.46777	3.65	21.33%	94.66%	7.90%
10	27.5141	27.4826	0.0315	0.0294554	1.47277	0.995	5.81%	96.81%	2.15%
						1.47277	8.61%		3.19%

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.247	54.3795	0.1325	0.46%	0.29%		
10	-1 to -1.5	51.9531	52.0405	0.0874	0.30%	0.19%		
14	-0.5 to -1	49.6191	49.7213	0.1022	0.35%	0.22%	% Gravel	0.48%
18	0 to -0.5	46.0342	46.2709	0.2367	0.81%	0.51%	% Sand	62.32%
25	0.5 to 0.0	41.992	42.3081	0.3161	1.09%	0.68%	% Silt	23.79%
35	1.0 to 0.5	43.8738	44.1888	0.315	1.08%	0.68%	% Clay	13.24%
45	1.5 to 1.0	40.8244	42.4029	1.5785	5.43%	3.42%	% Sieve loss	0.04%
60	2.0 to 1.5	40.1892	45.8519	5.6627	19.46%	12.26%		
80	2.5 to 2.0	35.846	37.743	1.897	6.52%	4.11%	% Total	99.87%
120	3.0 to 2.5	34.9512	47.6067	12.6555	43.50%	27.39%		
170	3.5 to 3.0	34.2214	34.6997	0.4783	1.64%	1.04%		
230	4.0 to 3.5	33.7493	39.2993	5.55	19.08%	12.01%		
Pan	>4.0	21.5206	21.5826	0.062				

Coarse Fract 29.03  
 Sieve Total 29.0119  
 Sieve Loss 0.0181

Sample M4/1

Cruise No. **MMS 1988-B2** Total Weight **21.0916** Weight >4phi **20.168**  
 Sample No. **M4-1** Weight <4phi **0.9236**

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol) Wt Mat. in Si	Weight %	Cum Wt %	Cc Overall Wt %
Total	<b>31.3372</b>	<b>30.9318</b>	0.4054	0.40336	20.168	x.xx	4.38%	
4.5	<b>28.4488</b>	<b>28.0564</b>	0.3924	0.39036	19.518	0.65	7.46%	3.08%
5	<b>27.4728</b>	<b>27.0897</b>	0.3831	0.38106	19.053	0.465	9.67%	2.20%
5.5	<b>31.8413</b>	<b>31.4734</b>	0.3679	0.36586	18.293	0.76	13.27%	3.60%
6	<b>27.5464</b>	<b>27.1927</b>	0.3537	0.35166	17.583	0.71	16.64%	3.37%
7	<b>29.4723</b>	<b>29.1631</b>	0.3092	0.30716	15.358	2.225	27.18%	10.55%
8	<b>26.7608</b>	<b>26.6876</b>	0.0732	0.07116	3.558	11.8	83.13%	55.95%
9	<b>26.948</b>	<b>26.903</b>	0.045	0.04296	2.148	1.41	89.82%	6.69%
10	<b>27.6022</b>	<b>27.5697</b>	0.0325	0.03046	1.523	0.625	92.78%	2.96%
						1.523	7.55%	7.22%

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	<b>54.2302</b>	<b>54.2594</b>	0.0292	3.16%	0.14%		
10	-1 to -1.5	<b>51.9335</b>	<b>51.9389</b>	0.0054	0.58%	0.03%		
14	-0.5 to -1	<b>49.6008</b>	<b>49.6158</b>	0.015	1.62%	0.07%	% Gravel	0.17%
18	0 to -0.5	<b>46.0118</b>	<b>46.016</b>	0.0042	0.45%	0.02%	% Sand	4.16%
25	0.5 to 0.0	<b>41.97</b>	<b>41.9831</b>	0.0131	1.42%	0.06%	% Silt	78.75%
35	1.0 to 0.5	<b>43.8493</b>	<b>43.8611</b>	0.0118	1.28%	0.06%	% Clay	16.87%
45	1.5 to 1.0	<b>39.575</b>	<b>39.6221</b>	0.0471	5.10%	0.22%	% Sieve loss	0.02%
60	2.0 to 1.5	<b>40.1665</b>	<b>40.2301</b>	0.0636	6.89%	0.30%		
80	2.5 to 2.0	<b>35.836</b>	<b>35.9239</b>	0.0879	9.52%	0.42%	% Total	99.97%
120	3.0 to 2.5	<b>34.6241</b>	<b>34.7767</b>	0.1526	16.52%	0.72%		
170	3.5 to 3.0	<b>34.0071</b>	<b>34.2835</b>	0.2764	29.93%	1.31%		
230	4.0 to 3.5	<b>33.7313</b>	<b>33.9379</b>	0.2066	22.37%	0.98%		
Pan	>4.0	<b>21.2665</b>	<b>21.2729</b>	0.0064				

Coarse Fract 0.9172  
 Sieve Total 0.9129  
 Sieve Loss 0.0043

Sample M4/2

Cruise No. **MMS 1988-B2** Total Weight 11.6805 Weight >4phi 11.388  
 Sample No. **M4-2** Weight <4phi 0.2925

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res (Tot.vol)	Wt Mat. in Si	Weight %	Cum Wt %	Cc Overall Wt %
<b>Total</b>	<b>27.2544</b>	<b>27.0246</b>	<b>0.2298</b>	<b>0.22776</b>	<b>11.388</b>	<b>x.xx</b>	<b>x.xx</b>	<b>2.50%</b>
4.5	27.0251	26.7982	0.2269	0.22486	11.243	0.145	1.27%	3.75%
5	29.264	29.0418	0.2222	0.22016	11.008	0.235	2.06%	5.76%
5.5	27.9709	27.7517	0.2192	0.21716	10.858	0.15	1.32%	7.04%
6	29.104	28.8874	0.2166	0.21456	10.728	0.13	1.14%	8.15%
7	29.4017	29.2056	0.1961	0.19406	9.703	1.025	9.00%	16.93%
8	30.3867	30.2261	0.1606	0.15856	7.928	1.775	15.59%	32.13%
9	28.4589	28.3498	0.1091	0.10706	5.353	2.575	22.61%	54.17%
10	28.7918	28.7539	0.0379	0.03586	1.793	3.56	31.26%	84.65%
						1.793	15.74%	100.00%

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.2325	54.2447	0.0122	4.17%	0.10%		
10	-1 to -1.5	51.9363	51.9439	0.0076	2.60%	0.07%		
14	-0.5 to -1	49.604	49.6102	0.0062	2.12%	0.05%	% Gravel	0.17%
18	0 to -0.5	46.015	46.016	0.001	0.34%	0.01%	% Sand	2.29%
25	0.5 to 0.0	41.9732	41.975	0.0018	0.62%	0.02%	% Silt	29.62%
35	1.0 to 0.5	43.8519	43.856	0.0041	1.40%	0.04%	% Clay	67.88%
45	1.5 to 1.0	39.5714	39.589	0.0176	6.02%	0.15%	% Sieve loss	0.01%
60	2.0 to 1.5	40.1641	40.1853	0.0212	7.25%	0.18%		
80	2.5 to 2.0	35.8329	35.8626	0.0297	10.15%	0.25%	% Total	99.97%
120	3.0 to 2.5	34.6236	34.6684	0.0448	15.32%	0.38%		
170	3.5 to 3.0	34.0095	34.0912	0.0817	27.93%	0.70%		
230	4.0 to 3.5	33.7335	33.7935	0.06	20.51%	0.51%		
Pan	>4.0	21.2703	21.2735	0.0032				

Coarse Fract 0.2893  
 Sieve Total 0.2879  
 Sieve Loss 0.0014

Sample M4/3

Cruise No. **MMS 1988-B2** Total Weight **11.8045** Weight >4phi **11.083**  
 Sample No. **M4-3** Weight <4phi **0.7215**

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol) Wt Mat. in Si	Weight %	Cum Wt %	Cc Overall Wt %
Total	<b>30.4557</b>	<b>30.232</b>	<b>0.2237</b>	<b>0.22166</b>	<b>11.083</b>	<b>x.xx</b>	<b>x.xx</b>	<b>6.11%</b>
4.5	<b>29.6564</b>	<b>29.4361</b>	<b>0.2203</b>	<b>0.21826</b>	<b>10.913</b>	<b>0.17</b>	<b>1.53%</b>	<b>7.55%</b>
5	<b>27.0284</b>	<b>26.8108</b>	<b>0.2176</b>	<b>0.21556</b>	<b>10.778</b>	<b>0.135</b>	<b>1.22%</b>	<b>8.70%</b>
5.5	<b>28.8857</b>	<b>28.6748</b>	<b>0.2109</b>	<b>0.20886</b>	<b>10.443</b>	<b>0.335</b>	<b>3.02%</b>	<b>11.53%</b>
6	<b>27.0949</b>	<b>26.8918</b>	<b>0.2031</b>	<b>0.20106</b>	<b>10.053</b>	<b>0.39</b>	<b>3.52%</b>	<b>14.84%</b>
7	<b>28.1325</b>	<b>27.9522</b>	<b>0.1803</b>	<b>0.17826</b>	<b>8.913</b>	<b>1.14</b>	<b>10.29%</b>	<b>24.49%</b>
8	<b>27.3438</b>	<b>27.2034</b>	<b>0.1404</b>	<b>0.13836</b>	<b>6.918</b>	<b>1.995</b>	<b>18.00%</b>	<b>41.40%</b>
9	<b>29.4302</b>	<b>29.3476</b>	<b>0.0826</b>	<b>0.08056</b>	<b>4.028</b>	<b>2.89</b>	<b>26.08%</b>	<b>65.88%</b>
10	<b>25.3322</b>	<b>25.2933</b>	<b>0.0389</b>	<b>0.03686</b>	<b>1.843</b>	<b>2.185</b>	<b>19.71%</b>	<b>84.39%</b>
						<b>1.843</b>	<b>16.63%</b>	<b>15.61%</b>

A-139	US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
	7	-1.5 to -2	<b>54.2326</b>	<b>54.2326</b>	<b>0</b>	<b>0.00%</b>	<b>0.00%</b>		
	10	-1 to -1.5	<b>51.9352</b>	<b>51.9352</b>	<b>0</b>	<b>0.00%</b>	<b>0.00%</b>		
	14	-0.5 to -1	<b>49.6035</b>	<b>49.6035</b>	<b>0</b>	<b>0.00%</b>	<b>0.00%</b>	<b>% Gravel</b>	<b>0.00%</b>
	18	0 to -0.5	<b>46.0145</b>	<b>46.0168</b>	<b>0.0023</b>	<b>0.32%</b>	<b>0.02%</b>	<b>% Sand</b>	<b>6.07%</b>
	25	0.5 to 0.0	<b>41.9717</b>	<b>41.9778</b>	<b>0.0061</b>	<b>0.85%</b>	<b>0.05%</b>	<b>% Silt</b>	<b>35.28%</b>
	35	1.0 to 0.5	<b>43.8509</b>	<b>43.8554</b>	<b>0.0045</b>	<b>0.62%</b>	<b>0.04%</b>	<b>% Clay</b>	<b>58.60%</b>
	45	1.5 to 1.0	<b>39.5734</b>	<b>39.5872</b>	<b>0.0138</b>	<b>1.91%</b>	<b>0.12%</b>	<b>% Sieve loss</b>	<b>0.03%</b>
	60	2.0 to 1.5	<b>40.1653</b>	<b>40.1908</b>	<b>0.0255</b>	<b>3.53%</b>	<b>0.22%</b>		
	80	2.5 to 2.0	<b>35.8342</b>	<b>35.8899</b>	<b>0.0557</b>	<b>7.72%</b>	<b>0.47%</b>	<b>% Total</b>	<b>99.98%</b>
	120	3.0 to 2.5	<b>34.6238</b>	<b>34.7619</b>	<b>0.1381</b>	<b>19.14%</b>	<b>1.17%</b>		
	170	3.5 to 3.0	<b>34.0117</b>	<b>34.3288</b>	<b>0.3171</b>	<b>43.95%</b>	<b>2.69%</b>		
	230	4.0 to 3.5	<b>33.7343</b>	<b>33.8864</b>	<b>0.1521</b>	<b>21.08%</b>	<b>1.29%</b>		
	Pan	>4.0	<b>21.2693</b>	<b>21.2718</b>	<b>0.0025</b>				

Coarse Fract **0.719**  
 Sieve Total **0.7152**  
 Sieve Loss **0.0038**

Sample M4/4

Cruise No. **MMS 1988-B2** Total Weight 14.9094 Weight >4phi 13.813  
 Sample No. **M4-4** Weight <4phi 1.0964

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol) Wt	Mat. In Si	Weight %	Cum Wt %	Cc Overall Wt %
<b>Total</b>	<b>28.3945</b>	<b>28.1162</b>	<b>0.2783</b>	<b>0.27626</b>	<b>13.813</b>	<b>x.xx</b>	<b>x.xx</b>	<b>7.35%</b>	
4.5	27.0488	26.7766	0.2722	0.27016	13.508	0.305	2.21%	9.40%	2.05%
5	25.9396	25.6765	0.2631	0.26106	13.053	0.455	3.29%	12.45%	3.05%
5.5	28.7333	28.4808	0.2525	0.25046	12.523	0.53	3.84%	16.01%	3.55%
6	27.656	27.4119	0.2441	0.24206	12.103	0.42	3.04%	18.82%	2.82%
7	28.121	27.8969	0.2241	0.22206	11.103	1	7.24%	25.53%	6.71%
8	29.5045	29.3126	0.1919	0.18986	9.493	1.61	11.66%	36.33%	10.80%
9	25.4373	25.3	0.1373	0.13526	6.763	2.73	19.76%	54.64%	18.31%
10	29.8397	29.7914	0.0483	0.04626	2.313	4.45	32.22%	84.49%	29.85%
						2.313	16.75%		15.51%

A-140	US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
	7	-1.5 to -2	54.2284	54.2678	0.0394	3.59%	0.26%		
	10	-1 to -1.5	51.932	51.9455	0.0135	1.23%	0.09%		
	14	-0.5 to -1	49.6002	49.6021	0.0019	0.17%	0.01%	% Gravel	0.35%
	18	0 to -0.5	46.0112	46.0203	0.0091	0.83%	0.06%	% Sand	6.93%
	25	0.5 to 0.0	41.9702	41.9745	0.0043	0.39%	0.03%	% Silt	28.98%
	35	1.0 to 0.5	43.8476	43.8537	0.0061	0.56%	0.04%	% Clay	63.67%
	45	1.5 to 1.0	39.5709	39.6076	0.0367	3.35%	0.25%	% Sieve loss	0.04%
	60	2.0 to 1.5	40.1625	40.217	0.0545	4.97%	0.37%		
	80	2.5 to 2.0	35.8326	35.9253	0.0927	8.45%	0.62%	% Total	99.97%
	120	3.0 to 2.5	34.6227	34.8434	0.2207	20.13%	1.48%		
	170	3.5 to 3.0	34.0059	34.4285	0.4226	38.54%	2.83%		
	230	4.0 to 3.5	33.7306	33.9152	0.1846	16.84%	1.24%		
	Pan	>4.0	21.2655	21.2696	0.0041				

Coarse Fract 1.0923  
 Sieve Total 1.0861  
 Sieve Loss 0.0062



Sample M4/5

Cruise No. **MMS 1988-B2** Total Weight 11.3327 Weight >4phi 11.058  
 Sample No. **M 4 - 5** Weight <4phi 0.2747

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol) Wt	Mat. in Sl	Weight %	Cum Wt %	Cc Overall Wt %
Total	27.474	27.2508	0.2232	0.22116	11.058	x.xx	x.xx	2.42%	
4.5	29.7657	29.5451	0.2206	0.21856	10.928	0.13	1.18%	3.57%	1.15%
5	28.7093	28.4947	0.2146	0.21256	10.628	0.3	2.71%	6.22%	2.65%
5.5	28.0437	27.8327	0.211	0.20896	10.448	0.18	1.63%	7.81%	1.59%
6	28.9131	28.7147	0.1984	0.19636	9.818	0.63	5.70%	13.37%	5.56%
7	26.7699	26.5911	0.1788	0.17676	8.838	0.98	8.86%	22.01%	8.65%
8	26.8053	26.6654	0.1399	0.13786	6.893	1.945	17.59%	39.18%	17.16%
9	27.5946	27.4761	0.1185	0.11646	5.823	1.07	9.68%	48.62%	9.44%
10	28.883	28.8245	0.0585	0.05646	2.823	3	27.13%	75.09%	26.47%
						2.823	25.53%		24.91%

A-141

US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.2317	54.2317	0	0.00%	0.00%		
10	-1 to -1.5	51.9337	51.9382	0.0045	1.64%	0.04%		
14	-0.5 to -1	49.6025	49.6025	0	0.00%	0.00%	% Gravel	0.04%
18	0 to -0.5	46.0134	46.0144	0.001	0.36%	0.01%	% Sand	2.34%
25	0.5 to 0.0	41.9719	41.9749	0.003	1.09%	0.03%	% Silt	36.76%
35	1.0 to 0.5	43.8502	43.8551	0.0049	1.78%	0.04%	% Clay	60.82%
45	1.5 to 1.0	39.5697	39.5872	0.0175	6.37%	0.15%	% Sieve loss	0.01%
60	2.0 to 1.5	40.1632	40.1846	0.0214	7.79%	0.19%		
80	2.5 to 2.0	35.8308	35.8625	0.0317	11.54%	0.28%	% Total	99.97%
120	3.0 to 2.5	34.622	34.6734	0.0514	18.71%	0.45%		
170	3.5 to 3.0	34.0095	34.0889	0.0794	28.90%	0.70%		
230	4.0 to 3.5	33.7314	33.7872	0.0558	20.31%	0.49%		
Pan	>4.0	21.2696	21.273	0.0034				

Coarse Fract 0.2713  
 Sieve Total 0.2706  
 Sieve Loss 0.0007

Sample M4/6

Cruise No. **MMS 1988-B2** Total Weight 11.8194 Weight >4phi 11.353  
 Sample No. **M 4 - 6** Weight <4phi 0.4664

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol) Wt	Mat. In Si	Weight %	Cum Wt %	Cc Overall Wt %
Total	<b>28.0465</b>	<b>27.8174</b>	0.2291	0.22706	11.353	x.xx	x.xx	3.95%	
4.5	<b>27.9365</b>	<b>27.7085</b>	0.228	0.22596	11.298	0.055	0.48%	4.41%	0.47%
5	<b>26.4892</b>	<b>26.2675</b>	0.2217	0.21966	10.983	0.315	2.77%	7.08%	2.67%
5.5	<b>26.9406</b>	<b>26.7261</b>	0.2145	0.21246	10.623	0.36	3.17%	10.12%	3.05%
6	<b>27.2809</b>	<b>27.0779</b>	0.203	0.20096	10.048	0.575	5.06%	14.99%	4.86%
7	<b>27.5066</b>	<b>27.3236</b>	0.183	0.18096	9.048	1	8.81%	23.45%	8.46%
8	<b>24.0689</b>	<b>23.9253</b>	0.1436	0.14156	7.078	1.97	17.35%	40.12%	16.67%
9	<b>26.9055</b>	<b>26.8308</b>	0.0747	0.07266	3.633	3.445	30.34%	69.26%	29.15%
10	<b>28.7171</b>	<b>28.701</b>	0.0161	0.01406	0.703	2.93	25.81%	94.05%	24.79%
						0.703	6.19%		5.95%

A-142

US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	<b>54.2373</b>	<b>54.2501</b>	0.0128	2.74%	0.11%		
10	-1 to -1.5	<b>51.9412</b>	<b>51.9412</b>	0	0.00%	0.00%		
14	-0.5 to -1	<b>49.61</b>	<b>49.6106</b>	0.0006	0.13%	0.01%	% Gravel	0.11%
18	0 to -0.5	<b>46.0194</b>	<b>46.0209</b>	0.0015	0.32%	0.01%	% Sand	3.79%
25	0.5 to 0.0	<b>41.9778</b>	<b>41.9828</b>	0.005	1.07%	0.04%	% Silt	36.18%
35	1.0 to 0.5	<b>43.857</b>	<b>43.8635</b>	0.0065	1.39%	0.05%	% Clay	59.89%
45	1.5 to 1.0	<b>39.577</b>	<b>39.6188</b>	0.0418	8.96%	0.35%	% Sieve loss	0.01%
60	2.0 to 1.5	<b>40.169</b>	<b>40.2151</b>	0.0461	9.88%	0.39%		
80	2.5 to 2.0	<b>35.8391</b>	<b>35.894</b>	0.0549	11.77%	0.46%	% Total	99.98%
120	3.0 to 2.5	<b>34.628</b>	<b>34.7141</b>	0.0861	18.46%	0.73%		
170	3.5 to 3.0	<b>34.2061</b>	<b>34.3426</b>	0.1365	29.27%	1.15%		
230	4.0 to 3.5	<b>33.739</b>	<b>33.8104</b>	0.0714	15.31%	0.60%		
Pan	>4.0	<b>21.2727</b>	<b>21.275</b>	0.0023				

Coarse Fract 0.4641  
 Sieve Total 0.4632  
 Sieve Loss 0.0009

Sample D1/1

Cruise No. **MMS 1988-B2** Total Weight **36.75047** Weight >4phi **0.66777**  
 Sample No. **D 1-1** Weight <4phi **36.0827**

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol)	Wt Mat. in Si	Weight %	Cum Wt %	Cc Overall Wt %
Total	<b>29.4306</b>	<b>29.4152</b>	<b>0.0154</b>	<b>0.0133554</b>	<b>0.66777</b>	<b>x.xx</b>	<b>x.xx</b>	<b>98.18%</b>	
4.5	<b>27.4783</b>	<b>27.4634</b>	<b>0.0149</b>	<b>0.0128554</b>	<b>0.64277</b>	<b>0.025</b>	<b>3.74%</b>	<b>98.25%</b>	<b>0.07%</b>
5	<b>27.8066</b>	<b>27.792</b>	<b>0.0146</b>	<b>0.0125554</b>	<b>0.62777</b>	<b>0.015</b>	<b>2.25%</b>	<b>98.29%</b>	<b>0.04%</b>
5.5	<b>30.5042</b>	<b>30.4897</b>	<b>0.0145</b>	<b>0.0124554</b>	<b>0.62277</b>	<b>0.005</b>	<b>0.75%</b>	<b>98.31%</b>	<b>0.01%</b>
6	<b>28.9669</b>	<b>28.9524</b>	<b>0.0145</b>	<b>0.0124554</b>	<b>0.62277</b>	<b>1.9995E-13</b>	<b>0.00%</b>	<b>98.31%</b>	<b>0.00%</b>
7	<b>29.6574</b>	<b>29.643</b>	<b>0.0144</b>	<b>0.0123554</b>	<b>0.61777</b>	<b>0.005</b>	<b>0.75%</b>	<b>98.32%</b>	<b>0.01%</b>
8	<b>29.3908</b>	<b>29.3765</b>	<b>0.0143</b>	<b>0.0122554</b>	<b>0.61277</b>	<b>0.005</b>	<b>0.75%</b>	<b>98.33%</b>	<b>0.01%</b>
9	<b>29.7615</b>	<b>29.7474</b>	<b>0.0141</b>	<b>0.0120554</b>	<b>0.60277</b>	<b>0.01</b>	<b>1.50%</b>	<b>98.36%</b>	<b>0.03%</b>
10	<b>25.9946</b>	<b>25.981</b>	<b>0.0136</b>	<b>0.0115554</b>	<b>0.57777</b>	<b>0.025</b>	<b>3.74%</b>	<b>98.43%</b>	<b>0.07%</b>
						<b>0.57777</b>	<b>86.52%</b>		<b>1.57%</b>

A-143

US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	<b>54.2467</b>	<b>54.7492</b>	0.5025	1.39%	1.37%		
10	-1 to -1.5	<b>51.9534</b>	<b>52.0394</b>	0.086	0.24%	0.23%		
14	-0.5 to -1	<b>49.6198</b>	<b>49.6807</b>	0.0609	0.17%	0.17%	% Gravel	1.60%
18	0 to -0.5	<b>46.0346</b>	<b>46.2665</b>	0.2319	0.64%	0.63%	% Sand	96.54%
25	0.5 to 0.0	<b>41.9919</b>	<b>42.6393</b>	0.6474	1.79%	1.76%	% Silt	0.14%
35	1.0 to 0.5	<b>43.8744</b>	<b>44.795</b>	0.9206	2.55%	2.51%	% Clay	1.67%
45	1.5 to 1.0	<b>40.8261</b>	<b>47.4493</b>	6.6232	18.36%	18.02%	% Sieve loss	0.04%
60	2.0 to 1.5	<b>40.1889</b>	<b>54.8031</b>	14.6142	40.50%	39.77%		
80	2.5 to 2.0	<b>35.846</b>	<b>37.4775</b>	1.6315	4.52%	4.44%	% Total	99.99%
120	3.0 to 2.5	<b>34.9514</b>	<b>45.3741</b>	10.4227	28.89%	28.36%		
170	3.5 to 3.0	<b>34.2224</b>	<b>34.51</b>	0.2876	0.80%	0.78%		
230	4.0 to 3.5	<b>33.7502</b>	<b>33.7879</b>	0.0377	0.10%	0.10%		
Pan	>4.0	<b>21.5223</b>	<b>21.5227</b>	0.0004				

Coarse Fract **36.0823**  
 Sieve Total **36.0662**  
 Sieve Loss **0.0161**

Sample D1/2

Cruise No. **MMS 1988-B2** Total Weight **40.35567** Weight >4phi **0.86277**  
 Sample No. **D1-2** Weight <4phi **39.4929**

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol) Wt	Mat. in Si	Weight %	Cum Wt %	Cc Overall Wt %
Total	<b>27.5019</b>	<b>27.4826</b>	<b>0.0193</b>	<b>0.0172554</b>	<b>0.86277</b>	<b>x.xx</b>	<b>x.xx</b>	<b>97.86%</b>	
4.5	<b>27.4254</b>	<b>27.4064</b>	<b>0.019</b>	<b>0.0169554</b>	<b>0.84777</b>	<b>0.015</b>	<b>1.74%</b>	<b>97.90%</b>	<b>0.04%</b>
5	<b>28.8268</b>	<b>28.8082</b>	<b>0.0186</b>	<b>0.0165554</b>	<b>0.82777</b>	<b>0.02</b>	<b>2.32%</b>	<b>97.95%</b>	<b>0.05%</b>
5.5	<b>27.7504</b>	<b>27.7318</b>	<b>0.0186</b>	<b>0.0165554</b>	<b>0.82777</b>	<b>0</b>	<b>0.00%</b>	<b>97.95%</b>	<b>0.00%</b>
6	<b>28.4647</b>	<b>28.4462</b>	<b>0.0185</b>	<b>0.0164554</b>	<b>0.82277</b>	<b>0.005</b>	<b>0.58%</b>	<b>97.96%</b>	<b>0.01%</b>
7	<b>27.0654</b>	<b>27.0469</b>	<b>0.0185</b>	<b>0.0164554</b>	<b>0.82277</b>	<b>0</b>	<b>0.00%</b>	<b>97.96%</b>	<b>0.00%</b>
8	<b>28.4417</b>	<b>28.4234</b>	<b>0.0183</b>	<b>0.0162554</b>	<b>0.81277</b>	<b>0.01</b>	<b>1.16%</b>	<b>97.99%</b>	<b>0.02%</b>
9	<b>27.8543</b>	<b>27.8361</b>	<b>0.0182</b>	<b>0.0161554</b>	<b>0.80777</b>	<b>0.005</b>	<b>0.58%</b>	<b>98.00%</b>	<b>0.01%</b>
10	<b>30.1398</b>	<b>30.1222</b>	<b>0.0176</b>	<b>0.0155554</b>	<b>0.77777</b>	<b>0.03</b>	<b>3.48%</b>	<b>98.07%</b>	<b>0.07%</b>
						<b>0.77777</b>	<b>90.15%</b>		<b>1.93%</b>

A-144

US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	<b>54.241</b>	<b>54.7124</b>	<b>0.4714</b>	<b>1.19%</b>	<b>1.17%</b>		
10	-1 to -1.5	<b>51.9442</b>	<b>51.9927</b>	<b>0.0485</b>	<b>0.12%</b>	<b>0.12%</b>		
14	-0.5 to -1	<b>49.6105</b>	<b>49.7331</b>	<b>0.1226</b>	<b>0.31%</b>	<b>0.30%</b>	<b>% Gravel</b>	<b>1.29%</b>
18	0 to -0.5	<b>46.0254</b>	<b>46.352</b>	<b>0.3266</b>	<b>0.83%</b>	<b>0.81%</b>	<b>% Sand</b>	<b>96.55%</b>
25	0.5 to 0.0	<b>41.9837</b>	<b>42.7346</b>	<b>0.7509</b>	<b>1.90%</b>	<b>1.86%</b>	<b>% Silt</b>	<b>0.12%</b>
35	1.0 to 0.5	<b>43.8637</b>	<b>44.9202</b>	<b>1.0565</b>	<b>2.68%</b>	<b>2.62%</b>	<b>% Clay</b>	<b>2.01%</b>
45	1.5 to 1.0	<b>39.5719</b>	<b>49.2167</b>	<b>9.6448</b>	<b>24.42%</b>	<b>23.90%</b>	<b>% Sieve loss</b>	<b>0.03%</b>
60	2.0 to 1.5	<b>40.1742</b>	<b>58.4052</b>	<b>18.231</b>	<b>46.16%</b>	<b>45.18%</b>		
80	2.5 to 2.0	<b>35.8378</b>	<b>42.8264</b>	<b>6.9886</b>	<b>17.70%</b>	<b>17.32%</b>	<b>% Total</b>	<b>100.00%</b>
120	3.0 to 2.5	<b>34.9382</b>	<b>36.5008</b>	<b>1.5626</b>	<b>3.96%</b>	<b>3.87%</b>		
170	3.5 to 3.0	<b>34.2196</b>	<b>34.4522</b>	<b>0.2326</b>	<b>0.59%</b>	<b>0.58%</b>		
230	4.0 to 3.5	<b>33.7438</b>	<b>33.7869</b>	<b>0.0431</b>	<b>0.11%</b>	<b>0.11%</b>		
Pan	>4.0	<b>21.0504</b>	<b>21.0535</b>	<b>0.0031</b>				

Coarse Fract **39.4898**  
 Sieve Total **39.4792**  
 Sieve Loss **0.0106**

Sample D1/3

Cruise No. **MMS 1988-B2** Total Weight 56.89387 Weight >4phi 0.97777  
 Sample No. **D1-3** Weight <4phi 55.9161

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol) Wt	Mat. in Si	Weight %	Cum Wt %	Cc Overall Wt %
Total	27.9634	27.9418	0.0216	0.0195554	0.97777	x.xx	x.xx	98.28%	
4.5	26.7507	26.7299	0.0208	0.0187554	0.93777	0.04	4.09%	98.35%	0.07%
5	25.9675	25.9469	0.0206	0.0185554	0.92777	0.01	1.02%	98.37%	0.02%
5.5	27.2195	27.199	0.0205	0.0184554	0.92277	0.005	0.51%	98.38%	0.01%
6	27.6408	27.6203	0.0205	0.0184554	0.92277	0	0.00%	98.38%	0.00%
7	27.4766	27.4562	0.0204	0.0183554	0.91777	0.005	0.51%	98.39%	0.01%
8	29.1443	29.1242	0.0201	0.0180554	0.90277	0.015	1.53%	98.41%	0.03%
9	27.8484	27.8283	0.0201	0.0180554	0.90277	0	0.00%	98.41%	0.00%
10	27.5097	27.49	0.0197	0.0176554	0.88277	0.02	2.05%	98.45%	0.04%
						0.88277	90.28%		1.55%

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.2472	54.6722	0.425	0.76%	0.75%		
10	-1 to -1.5	51.953	52.168	0.215	0.38%	0.38%		
14	-0.5 to -1	49.6196	49.8642	0.2446	0.44%	0.43%	% Gravel	1.13%
18	0 to -0.5	46.034	46.6485	0.6145	1.10%	1.08%	% Sand	97.14%
25	0.5 to 0.0	41.9924	43.4914	1.499	2.68%	2.63%	% Silt	0.14%
35	1.0 to 0.5	43.874	45.9453	2.0713	3.70%	3.64%	% Clay	1.59%
45	1.5 to 1.0	40.8253	52.0837	11.2584	20.13%	19.79%	% Sieve loss	0.02%
60	2.0 to 1.5	40.1871	64.3848	24.1977	43.28%	42.53%		
80	2.5 to 2.0	35.8463	39.6114	3.7651	6.73%	6.62%	% Total	100.02%
120	3.0 to 2.5	34.9535	46.166	11.2125	20.05%	19.71%		
170	3.5 to 3.0	34.2233	34.5296	0.3063	0.55%	0.54%		
230	4.0 to 3.5	33.751	33.847	0.096	0.17%	0.17%		
Pan	>4.0	21.5238	21.525	0.0012				
			Coarse Fract	55.9149				
			Sieve Total	55.9054				
			Sieve Loss	0.0095				

Sample D1/4

Cruise No. **MMS 1988-B2** Total Weight 58.18767 Weight >4phi 0.96277  
 Sample No. **D 1 - 4** Weight <4phi 57.2249

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol) Wt	Mat. in Si	Weight %	Cum Wt %	Cc Overall Wt %
Total	27.6768	27.6555	0.0213	0.0192554	0.96277	x.xx	x.xx	98.35%	
4.5	27.352	27.3315	0.0205	0.0184554	0.92277	0.04	4.15%	98.41%	0.07%
5	29.1701	29.1497	0.0204	0.0183554	0.91777	0.005	0.52%	98.42%	0.01%
5.5	27.2573	27.2371	0.0202	0.0181554	0.90777	0.01	1.04%	98.44%	0.02%
6	28.7353	28.7152	0.0201	0.0180554	0.90277	0.005	0.52%	98.45%	0.01%
7	27.2715	27.2515	0.02	0.0179554	0.89777	0.005	0.52%	98.46%	0.01%
8	25.6857	25.6657	0.02	0.0179554	0.89777	0	0.00%	98.46%	0.00%
9	26.6092	26.5894	0.0198	0.0177554	0.88777	0.01	1.04%	98.47%	0.02%
10	28.7322	28.7134	0.0188	0.0167554	0.83777	0.05	5.19%	98.56%	0.09%
						0.83777	87.02%		1.44%

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.2475	54.6825	0.435	0.76%	0.75%		
10	-1 to -1.5	51.9534	52.1512	0.1978	0.35%	0.34%		
14	-0.5 to -1	49.8201	49.8403	0.2202	0.38%	0.38%	% Gravel	1.09%
18	0 to -0.5	46.0346	46.6592	0.6246	1.09%	1.07%	% Sand	97.23%
25	0.5 to 0.0	41.9929	43.4471	1.4542	2.54%	2.50%	% Silt	0.12%
35	1.0 to 0.5	43.8748	45.8167	1.9419	3.39%	3.34%	% Clay	1.55%
45	1.5 to 1.0	40.8263	53.434	12.6077	22.03%	21.67%	% Sieve loss	0.03%
60	2.0 to 1.5	40.1885	63.0329	22.8444	39.92%	39.26%		
80	2.5 to 2.0	35.8459	40.4269	4.581	8.01%	7.87%	% Total	100.02%
120	3.0 to 2.5	34.9555	46.8726	11.9171	20.83%	20.48%		
170	3.5 to 3.0	34.2239	34.5169	0.293	0.51%	0.50%		
230	4.0 to 3.5	33.7524	33.8427	0.0903	0.16%	0.16%		
Pan	>4.0	21.5272	21.5284	0.0012				

Coarse Fract 57.2237  
 Sieve Total 57.2072  
 Sieve Loss 0.0165

Sample D1/5

Cruise No. **MMS 1988-B2** Total Weight **60.84097** Weight >4phi **1.04277**  
 Sample No. **D 1 - 5** Weight <4phi **59.7982**

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol) Wt Mat.	In Si Weight %	Cum Wt %	Cc Overall Wt %	
Total	<b>30.3635</b>	<b>30.3406</b>	<b>0.0229</b>	<b>0.0208554</b>	<b>1.04277</b>	<b>x.xx</b>	<b>x.xx</b>	<b>98.29%</b>	
4.5	<b>27.3069</b>	<b>27.2843</b>	<b>0.0226</b>	<b>0.0205554</b>	<b>1.02777</b>	<b>0.015</b>	<b>1.44%</b>	<b>98.31%</b>	<b>0.02%</b>
5	<b>28.5164</b>	<b>28.4947</b>	<b>0.0217</b>	<b>0.0196554</b>	<b>0.98277</b>	<b>0.045</b>	<b>4.32%</b>	<b>98.38%</b>	<b>0.07%</b>
5.5	<b>29.6474</b>	<b>29.6258</b>	<b>0.0216</b>	<b>0.0195554</b>	<b>0.97777</b>	<b>0.005</b>	<b>0.48%</b>	<b>98.39%</b>	<b>0.01%</b>
6	<b>29.5673</b>	<b>29.5462</b>	<b>0.0211</b>	<b>0.0190554</b>	<b>0.95277</b>	<b>0.025</b>	<b>2.40%</b>	<b>98.43%</b>	<b>0.04%</b>
7	<b>27.1885</b>	<b>27.1676</b>	<b>0.0209</b>	<b>0.0188554</b>	<b>0.94277</b>	<b>0.01</b>	<b>0.96%</b>	<b>98.45%</b>	<b>0.02%</b>
8	<b>25.9579</b>	<b>25.9371</b>	<b>0.0208</b>	<b>0.0187554</b>	<b>0.93777</b>	<b>0.005</b>	<b>0.48%</b>	<b>98.46%</b>	<b>0.01%</b>
9	<b>26.6748</b>	<b>26.654</b>	<b>0.0208</b>	<b>0.0187554</b>	<b>0.93777</b>	<b>-1.5E-13</b>	<b>0.00%</b>	<b>98.46%</b>	<b>0.00%</b>
10	<b>29.2213</b>	<b>29.2007</b>	<b>0.0206</b>	<b>0.0185554</b>	<b>0.92777</b>	<b>0.01</b>	<b>0.96%</b>	<b>98.48%</b>	<b>0.02%</b>
						<b>0.92777</b>	<b>88.97%</b>		<b>1.52%</b>

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	<b>54.2425</b>	<b>54.3636</b>	0.1211	0.20%	0.20%		
10	-1 to -1.5	<b>51.9454</b>	<b>52.0772</b>	0.1318	0.22%	0.22%		
14	-0.5 to -1	<b>49.6116</b>	<b>49.7725</b>	0.1609	0.27%	0.26%	% Gravel	0.42%
18	0 to -0.5	<b>46.0268</b>	<b>46.3182</b>	0.2914	0.49%	0.48%	% Sand	97.78%
25	0.5 to 0.0	<b>41.9855</b>	<b>42.5875</b>	0.602	1.01%	0.99%	% Silt	0.17%
35	1.0 to 0.5	<b>43.865</b>	<b>44.8919</b>	1.0269	1.72%	1.69%	% Clay	1.54%
45	1.5 to 1.0	<b>39.5749</b>	<b>61.2151</b>	21.6402	36.19%	35.57%	% Sieve loss	0.08%
60	2.0 to 1.5	<b>40.1753</b>	<b>65.0713</b>	24.896	41.63%	40.92%		
80	2.5 to 2.0	<b>35.8392</b>	<b>44.5534</b>	8.7142	14.57%	14.32%	% Total	99.99%
120	3.0 to 2.5	<b>34.9393</b>	<b>36.7889</b>	1.8496	3.09%	3.04%		
170	3.5 to 3.0	<b>34.2201</b>	<b>34.4948</b>	0.2747	0.46%	0.45%		
230	4.0 to 3.5	<b>33.7432</b>	<b>33.7809</b>	0.0377	0.06%	0.06%		
Pan	>4.0	<b>21.9598</b>	<b>21.9628</b>	0.003				

Coarse Fract **59.7952**  
 Sieve Total **59.7465**  
 Sieve Loss **0.0487**

Sample D1/6

Cruise No.	<b>MMS 1988-B2</b>	Total Weight	<b>79.66697</b>	Weight >4phi	<b>1.45277</b>
Sample No.	<b>D1-6</b>			Weight <4phi	<b>78.2142</b>

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol) Wt	Mat. in Si	Weight %	Cum Wt %	Cc Overall Wt %
<b>Total</b>	<b>26.2989</b>	<b>26.2678</b>	<b>0.0311</b>	<b>0.0290554</b>	<b>1.45277</b>	<b>x.xx</b>	<b>x.xx</b>	<b>98.18%</b>	
4.5	27.8661	27.8351	0.031	0.0289554	1.44777	0.005	0.34%	98.18%	0.01%
5	27.8487	27.8178	0.0309	0.0288554	1.44277	0.005	0.34%	98.19%	0.01%
5.5	26.7573	26.7264	0.0309	0.0288554	1.44277	2.0006E-13	0.00%	98.19%	0.00%
6	28.8559	28.8251	0.0308	0.0287554	1.43777	0.005	0.34%	98.20%	0.01%
7	28.5155	28.4853	0.0302	0.0281554	1.40777	0.03	2.07%	98.23%	0.04%
8	26.8605	26.8304	0.0301	0.0280554	1.40277	0.005	0.34%	98.24%	0.01%
9	28.8366	28.807	0.0296	0.0275554	1.37777	0.025	1.72%	98.27%	0.03%
10	25.4365	25.407	0.0295	0.0274554	1.37277	0.005	0.34%	98.28%	0.01%
						<b>1.37277</b>	<b>94.49%</b>		<b>1.72%</b>

A-148	US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
	7	-1.5 to -2	54.2418	54.3106	0.0688	0.09%	0.09%		
	10	-1 to -1.5	51.9463	52.0904	0.1441	0.18%	0.18%		
	14	-0.5 to -1	49.611	49.83	0.219	0.28%	0.27%	% Gravel	0.27%
	18	0 to -0.5	46.0267	46.2882	0.2615	0.33%	0.33%	% Sand	97.87%
	25	0.5 to 0.0	41.9862	43.0517	1.0655	1.36%	1.34%	% Silt	0.08%
	35	1.0 to 0.5	43.8645	46.6795	2.815	3.60%	3.53%	% Clay	1.76%
	45	1.5 to 1.0	39.5746	49.0463	9.4717	12.11%	11.89%	% Sieve loss	0.04%
	60	2.0 to 1.5	40.1753	77.0058	36.8305	47.09%	46.23%		
	80	2.5 to 2.0	35.8387	60.2354	24.3967	31.19%	30.62%	% Total	100.02%
	120	3.0 to 2.5	34.9379	37.4526	2.5147	3.22%	3.16%		
	170	3.5 to 3.0	34.2193	34.5768	0.3575	0.46%	0.45%		
	230	4.0 to 3.5	33.7438	33.7821	0.0383	0.05%	0.05%		
	Pan	>4.0	21.9594	21.9609	0.0015				

Coarse Fract	78.2127
Sieve Total	78.1833
Sieve Loss	0.0294



Sample D1/8

Cruise No. **MMS 1988-B2** Total Weight **62.78937** Weight >4phi **0.78777**  
 Sample No. **D1-8** Weight <4phi **62.0016**

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol) Wt	Mat. in Si	Weight %	Cum Wt %	Cc Overall Wt %
Total	<b>27.3406</b>	<b>27.3228</b>	<b>0.0178</b>	<b>0.0157554</b>	<b>0.78777</b>	<b>x.xx</b>	<b>x.xx</b>	<b>98.75%</b>	
4.5	<b>26.4118</b>	<b>26.3948</b>	<b>0.017</b>	<b>0.0149554</b>	<b>0.74777</b>	<b>0.04</b>	<b>5.08%</b>	<b>98.81%</b>	<b>0.06%</b>
5	<b>23.9422</b>	<b>23.9253</b>	<b>0.0169</b>	<b>0.0148554</b>	<b>0.74277</b>	<b>0.005</b>	<b>0.63%</b>	<b>98.82%</b>	<b>0.01%</b>
5.5	<b>29.8682</b>	<b>29.8518</b>	<b>0.0164</b>	<b>0.0143554</b>	<b>0.71777</b>	<b>0.025</b>	<b>3.17%</b>	<b>98.86%</b>	<b>0.04%</b>
6	<b>28.366</b>	<b>28.3498</b>	<b>0.0162</b>	<b>0.0141554</b>	<b>0.70777</b>	<b>0.01</b>	<b>1.27%</b>	<b>98.87%</b>	<b>0.02%</b>
7	<b>28.6983</b>	<b>28.6822</b>	<b>0.0161</b>	<b>0.0140554</b>	<b>0.70277</b>	<b>0.005</b>	<b>0.63%</b>	<b>98.88%</b>	<b>0.01%</b>
8	<b>26.9199</b>	<b>26.9038</b>	<b>0.0161</b>	<b>0.0140554</b>	<b>0.70277</b>	<b>0</b>	<b>0.00%</b>	<b>98.88%</b>	<b>0.00%</b>
9	<b>26.4147</b>	<b>26.3986</b>	<b>0.0161</b>	<b>0.0140554</b>	<b>0.70277</b>	<b>-2.001E-13</b>	<b>0.00%</b>	<b>98.88%</b>	<b>0.00%</b>
10	<b>27.8912</b>	<b>27.8759</b>	<b>0.0153</b>	<b>0.0132554</b>	<b>0.66277</b>	<b>0.04</b>	<b>5.08%</b>	<b>98.94%</b>	<b>0.06%</b>
						<b>0.66277</b>	<b>84.13%</b>		<b>1.06%</b>

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	<b>54.2417</b>	<b>54.255</b>	<b>0.0133</b>	<b>0.02%</b>	<b>0.02%</b>		
10	-1 to -1.5	<b>51.9451</b>	<b>52.0213</b>	<b>0.0762</b>	<b>0.12%</b>	<b>0.12%</b>		
14	-0.5 to -1	<b>49.6119</b>	<b>49.7313</b>	<b>0.1194</b>	<b>0.19%</b>	<b>0.19%</b>	<b>% Gravel</b>	<b>0.14%</b>
18	0 to -0.5	<b>46.0264</b>	<b>46.1969</b>	<b>0.1705</b>	<b>0.27%</b>	<b>0.27%</b>	<b>% Sand</b>	<b>98.57%</b>
25	0.5 to 0.0	<b>41.985</b>	<b>42.4441</b>	<b>0.4591</b>	<b>0.74%</b>	<b>0.73%</b>	<b>% Silt</b>	<b>0.14%</b>
35	1.0 to 0.5	<b>43.8653</b>	<b>44.6152</b>	<b>0.7499</b>	<b>1.21%</b>	<b>1.19%</b>	<b>% Clay</b>	<b>1.12%</b>
45	1.5 to 1.0	<b>39.5763</b>	<b>62.9917</b>	<b>23.4154</b>	<b>37.77%</b>	<b>37.29%</b>	<b>% Sieve loss</b>	<b>0.02%</b>
60	2.0 to 1.5	<b>40.1767</b>	<b>67.0459</b>	<b>26.8692</b>	<b>43.34%</b>	<b>42.79%</b>		
80	2.5 to 2.0	<b>35.8389</b>	<b>44.2873</b>	<b>8.4484</b>	<b>13.63%</b>	<b>13.46%</b>	<b>% Total</b>	<b>99.99%</b>
120	3.0 to 2.5	<b>34.9401</b>	<b>36.3834</b>	<b>1.4433</b>	<b>2.33%</b>	<b>2.30%</b>		
170	3.5 to 3.0	<b>34.2201</b>	<b>34.3974</b>	<b>0.1773</b>	<b>0.29%</b>	<b>0.28%</b>		
230	4.0 to 3.5	<b>33.7447</b>	<b>33.791</b>	<b>0.0463</b>	<b>0.07%</b>	<b>0.07%</b>		
Pan	>4.0	<b>21.0523</b>	<b>21.0531</b>	<b>0.0008</b>				

Coarse Fract **62.0008**  
 Sieve Total **61.9883**  
 Sieve Loss **0.0125**

Sample D2/1

Cruise No. **MMS 1988-B2** Total Weight **75.61467** Weight >4phi **1.19277**  
 Sample No. **D 2 - 1** Weight <4phi **74.4219**

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol) Wt Mat. in SI	Weight %	Cum Wt %	Cc Overall Wt %
Total	<b>30.258</b>	<b>30.2321</b>	<b>0.0259</b>	<b>0.0238554</b>	<b>1.19277</b>	<b>x.xx</b>	<b>x.xx</b>	<b>98.42%</b>
4.5	<b>29.4603</b>	<b>29.4347</b>	<b>0.0256</b>	<b>0.0235554</b>	<b>1.17777</b>	<b>0.015</b>	<b>1.26%</b>	<b>98.44%</b>
5	<b>26.8352</b>	<b>26.8111</b>	<b>0.0241</b>	<b>0.0220554</b>	<b>1.10277</b>	<b>0.075</b>	<b>6.29%</b>	<b>98.54%</b>
5.5	<b>28.6982</b>	<b>28.6745</b>	<b>0.0237</b>	<b>0.0216554</b>	<b>1.08277</b>	<b>0.02</b>	<b>1.68%</b>	<b>98.57%</b>
6	<b>26.9148</b>	<b>26.8918</b>	<b>0.023</b>	<b>0.0209554</b>	<b>1.04777</b>	<b>0.035</b>	<b>2.93%</b>	<b>98.61%</b>
7	<b>27.9749</b>	<b>27.952</b>	<b>0.0229</b>	<b>0.0208554</b>	<b>1.04277</b>	<b>0.005</b>	<b>0.42%</b>	<b>98.62%</b>
8	<b>27.2261</b>	<b>27.2033</b>	<b>0.0228</b>	<b>0.0207554</b>	<b>1.03777</b>	<b>0.005</b>	<b>0.42%</b>	<b>98.63%</b>
9	<b>28.0949</b>	<b>28.0734</b>	<b>0.0215</b>	<b>0.0194554</b>	<b>0.97277</b>	<b>0.065</b>	<b>5.45%</b>	<b>98.71%</b>
10	<b>25.3171</b>	<b>25.2966</b>	<b>0.0205</b>	<b>0.0184554</b>	<b>0.92277</b>	<b>0.05</b>	<b>4.19%</b>	<b>98.78%</b>
					<b>0.92277</b>	<b>77.36%</b>		<b>1.22%</b>

A-150	US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
	7	-1.5 to -2	<b>54.2465</b>	<b>56.3432</b>	<b>2.0967</b>	<b>2.82%</b>	<b>2.77%</b>		
	10	-1 to -1.5	<b>51.9493</b>	<b>52.1377</b>	<b>0.1884</b>	<b>0.25%</b>	<b>0.25%</b>		
	14	-0.5 to -1	<b>49.6144</b>	<b>49.9217</b>	<b>0.3073</b>	<b>0.41%</b>	<b>0.41%</b>	<b>% Gravel</b>	<b>3.02%</b>
	18	0 to -0.5	<b>46.0299</b>	<b>46.6136</b>	<b>0.5837</b>	<b>0.78%</b>	<b>0.77%</b>	<b>% Sand</b>	<b>95.35%</b>
	25	0.5 to 0.0	<b>41.9887</b>	<b>42.9504</b>	<b>0.9617</b>	<b>1.29%</b>	<b>1.27%</b>	<b>% Silt</b>	<b>0.20%</b>
	35	1.0 to 0.5	<b>43.8683</b>	<b>45.5359</b>	<b>1.6676</b>	<b>2.24%</b>	<b>2.21%</b>	<b>% Clay</b>	<b>1.37%</b>
	45	1.5 to 1.0	<b>40.8223</b>	<b>65.6762</b>	<b>24.8539</b>	<b>33.40%</b>	<b>32.87%</b>	<b>% Sieve loss</b>	<b>0.04%</b>
	60	2.0 to 1.5	<b>40.1833</b>	<b>77.8371</b>	<b>37.6538</b>	<b>50.60%</b>	<b>49.80%</b>		
	80	2.5 to 2.0	<b>35.8432</b>	<b>40.6136</b>	<b>4.7704</b>	<b>6.41%</b>	<b>6.31%</b>	<b>% Total</b>	<b>99.99%</b>
	120	3.0 to 2.5	<b>34.9429</b>	<b>36.025</b>	<b>1.0821</b>	<b>1.45%</b>	<b>1.43%</b>		
	170	3.5 to 3.0	<b>34.2226</b>	<b>34.3625</b>	<b>0.1399</b>	<b>0.19%</b>	<b>0.19%</b>		
	230	4.0 to 3.5	<b>33.7449</b>	<b>33.8233</b>	<b>0.0784</b>	<b>0.11%</b>	<b>0.10%</b>		
	Pan	>4.0	<b>21.5341</b>	<b>21.5407</b>	<b>0.0066</b>				

Coarse Fract **74.4153**  
 Sieve Total **74.3839**  
 Sieve Loss **0.0314**

Sample D2/2

Cruise No. **MMS 1988-B2** Total Weight **89.26497** Weight >4phi **1.48777**  
 Sample No. **D 2 - 2** Weight <4phi **87.7772**

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol)	Wt Mat. in Si	Weight %	Cum Wt %	Cc Overall Wt %
Total	<b>28.8892</b>	<b>28.8574</b>	<b>0.0318</b>	<b>0.0297554</b>	<b>1.48777</b>	<b>x.xx</b>	<b>x.xx</b>	<b>98.33%</b>	
4.5	<b>28.5882</b>	<b>28.5583</b>	<b>0.0299</b>	<b>0.0278554</b>	<b>1.39277</b>	<b>0.095</b>	<b>6.39%</b>	<b>98.44%</b>	<b>0.11%</b>
5	<b>29.3391</b>	<b>29.3098</b>	<b>0.0293</b>	<b>0.0272554</b>	<b>1.36277</b>	<b>0.03</b>	<b>2.02%</b>	<b>98.47%</b>	<b>0.03%</b>
5.5	<b>29.1109</b>	<b>29.0818</b>	<b>0.0291</b>	<b>0.0270554</b>	<b>1.35277</b>	<b>0.01</b>	<b>0.67%</b>	<b>98.48%</b>	<b>0.01%</b>
6	<b>28.2191</b>	<b>28.1905</b>	<b>0.0286</b>	<b>0.0265554</b>	<b>1.32777</b>	<b>0.025</b>	<b>1.68%</b>	<b>98.51%</b>	<b>0.03%</b>
7	<b>28.582</b>	<b>28.5536</b>	<b>0.0284</b>	<b>0.0263554</b>	<b>1.31777</b>	<b>0.01</b>	<b>0.67%</b>	<b>98.52%</b>	<b>0.01%</b>
8	<b>29.2705</b>	<b>29.2422</b>	<b>0.0283</b>	<b>0.0262554</b>	<b>1.31277</b>	<b>0.005</b>	<b>0.34%</b>	<b>98.53%</b>	<b>0.01%</b>
9	<b>25.9186</b>	<b>25.8904</b>	<b>0.0282</b>	<b>0.0261554</b>	<b>1.30777</b>	<b>0.005</b>	<b>0.34%</b>	<b>98.53%</b>	<b>0.01%</b>
10	<b>29.1029</b>	<b>29.0749</b>	<b>0.028</b>	<b>0.0259554</b>	<b>1.29777</b>	<b>0.01</b>	<b>0.67%</b>	<b>98.55%</b>	<b>0.01%</b>
						<b>1.29777</b>	<b>87.23%</b>		<b>1.45%</b>

A-151	US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
	7	-1.5 to -2	<b>54.2507</b>	<b>54.4836</b>	<b>0.2329</b>	<b>0.27%</b>	<b>0.26%</b>		
	10	-1 to -1.5	<b>51.9535</b>	<b>52.2504</b>	<b>0.2969</b>	<b>0.34%</b>	<b>0.33%</b>		
	14	-0.5 to -1	<b>49.6177</b>	<b>50.0182</b>	<b>0.4005</b>	<b>0.46%</b>	<b>0.45%</b>	<b>% Gravel</b>	<b>0.59%</b>
	18	0 to -0.5	<b>46.0321</b>	<b>46.7641</b>	<b>0.732</b>	<b>0.83%</b>	<b>0.82%</b>	<b>% Sand</b>	<b>97.69%</b>
	25	0.5 to 0.0	<b>41.9905</b>	<b>43.2191</b>	<b>1.2286</b>	<b>1.40%</b>	<b>1.38%</b>	<b>% Silt</b>	<b>0.20%</b>
	35	1.0 to 0.5	<b>43.873</b>	<b>45.8441</b>	<b>1.9711</b>	<b>2.25%</b>	<b>2.21%</b>	<b>% Clay</b>	<b>1.47%</b>
	45	1.5 to 1.0	<b>40.8191</b>	<b>80.9197</b>	<b>40.1006</b>	<b>45.68%</b>	<b>44.92%</b>	<b>% Sieve loss</b>	<b>0.03%</b>
	60	2.0 to 1.5	<b>40.1813</b>	<b>77.92</b>	<b>37.7387</b>	<b>42.99%</b>	<b>42.28%</b>		
	80	2.5 to 2.0	<b>35.8443</b>	<b>40.1851</b>	<b>4.3408</b>	<b>4.95%</b>	<b>4.86%</b>	<b>% Total</b>	<b>99.99%</b>
	120	3.0 to 2.5	<b>34.9463</b>	<b>35.4689</b>	<b>0.5226</b>	<b>0.60%</b>	<b>0.59%</b>		
	170	3.5 to 3.0	<b>34.2273</b>	<b>34.3121</b>	<b>0.0848</b>	<b>0.10%</b>	<b>0.09%</b>		
	230	4.0 to 3.5	<b>33.7495</b>	<b>33.837</b>	<b>0.0875</b>	<b>0.10%</b>	<b>0.10%</b>		
	Pan	>4.0	<b>21.5563</b>	<b>21.5653</b>	<b>0.009</b>				

Coarse Fract **87.7682**  
 Sieve Total **87.737**  
 Sieve Loss **0.0312**

Sample D2/3

Cruise No. **MMS 1988-B2** Total Weight **76.91597** Weight >4phi **1.42277**  
 Sample No. **D 2-3** Weight <4phi **75.4932**

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol) Wt	Mat. in Si	Weight %	Cum Wt %	Cc Overall Wt %
Total	<b>28.1476</b>	<b>28.1171</b>	<b>0.0305</b>	<b>0.0284554</b>	<b>1.42277</b>	<b>x.xx</b>	<b>x.xx</b>	<b>98.15%</b>	
4.5	<b>26.8068</b>	<b>26.7767</b>	<b>0.0301</b>	<b>0.0280554</b>	<b>1.40277</b>	<b>0.02</b>	<b>1.41%</b>	<b>98.18%</b>	<b>0.03%</b>
5	<b>25.7063</b>	<b>25.6769</b>	<b>0.0294</b>	<b>0.0273554</b>	<b>1.36777</b>	<b>0.035</b>	<b>2.46%</b>	<b>98.22%</b>	<b>0.05%</b>
5.5	<b>28.5093</b>	<b>28.4809</b>	<b>0.0284</b>	<b>0.0263554</b>	<b>1.31777</b>	<b>0.05</b>	<b>3.51%</b>	<b>98.29%</b>	<b>0.07%</b>
6	<b>27.4402</b>	<b>27.412</b>	<b>0.0282</b>	<b>0.0261554</b>	<b>1.30777</b>	<b>0.01</b>	<b>0.70%</b>	<b>98.30%</b>	<b>0.01%</b>
7	<b>27.9242</b>	<b>27.8965</b>	<b>0.0277</b>	<b>0.0256554</b>	<b>1.28277</b>	<b>0.025</b>	<b>1.76%</b>	<b>98.33%</b>	<b>0.03%</b>
8	<b>29.3395</b>	<b>29.3126</b>	<b>0.0269</b>	<b>0.0248554</b>	<b>1.24277</b>	<b>0.04</b>	<b>2.81%</b>	<b>98.38%</b>	<b>0.05%</b>
9	<b>28.8923</b>	<b>28.8655</b>	<b>0.0268</b>	<b>0.0247554</b>	<b>1.23777</b>	<b>0.005</b>	<b>0.35%</b>	<b>98.39%</b>	<b>0.01%</b>
10	<b>29.8175</b>	<b>29.7909</b>	<b>0.0266</b>	<b>0.0245554</b>	<b>1.22777</b>	<b>0.01</b>	<b>0.70%</b>	<b>98.40%</b>	<b>0.01%</b>
						<b>1.22777</b>	<b>86.29%</b>		<b>1.60%</b>

A-152

US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	<b>54.2484</b>	<b>54.2907</b>	<b>0.0423</b>	<b>0.06%</b>	<b>0.05%</b>		
10	-1 to -1.5	<b>51.9504</b>	<b>52.0886</b>	<b>0.1382</b>	<b>0.18%</b>	<b>0.18%</b>		
14	-0.5 to -1	<b>49.6153</b>	<b>49.8988</b>	<b>0.2835</b>	<b>0.38%</b>	<b>0.37%</b>	<b>% Gravel</b>	<b>0.23%</b>
18	0 to -0.5	<b>46.0302</b>	<b>46.4255</b>	<b>0.3953</b>	<b>0.52%</b>	<b>0.51%</b>	<b>% Sand</b>	<b>97.87%</b>
25	0.5 to 0.0	<b>41.9882</b>	<b>42.7456</b>	<b>0.7574</b>	<b>1.00%</b>	<b>0.98%</b>	<b>% Silt</b>	<b>0.23%</b>
35	1.0 to 0.5	<b>43.8692</b>	<b>45.2541</b>	<b>1.3849</b>	<b>1.83%</b>	<b>1.80%</b>	<b>% Clay</b>	<b>1.62%</b>
45	1.5 to 1.0	<b>40.8286</b>	<b>67.1053</b>	<b>26.2767</b>	<b>34.81%</b>	<b>34.16%</b>	<b>% Sieve loss</b>	<b>0.04%</b>
60	2.0 to 1.5	<b>40.183</b>	<b>79.8887</b>	<b>39.7057</b>	<b>52.60%</b>	<b>51.62%</b>		
80	2.5 to 2.0	<b>35.8439</b>	<b>41.4264</b>	<b>5.5825</b>	<b>7.39%</b>	<b>7.26%</b>	<b>% Total</b>	<b>99.99%</b>
120	3.0 to 2.5	<b>34.9459</b>	<b>35.6459</b>	<b>0.7</b>	<b>0.93%</b>	<b>0.91%</b>		
170	3.5 to 3.0	<b>34.2243</b>	<b>34.3038</b>	<b>0.0795</b>	<b>0.11%</b>	<b>0.10%</b>		
230	4.0 to 3.5	<b>33.7466</b>	<b>33.8596</b>	<b>0.113</b>	<b>0.15%</b>	<b>0.15%</b>		
Pan	>4.0	<b>21.538</b>	<b>21.5439</b>	<b>0.0059</b>				

Coarse Fract **75.4873**  
 Sieve Total **75.459**  
 Sieve Loss **0.0283**

Sample D2/4

Cruise No. **MMS 1988-B2** Total Weight **70.62747** Weight >4phi **1.31777**  
 Sample No. **D 2 - 4** Weight <4phi **69.3097**

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol) Wt	Mat. In Si	Weight %	Cum Wt %	Cc Overall Wt %
Total	<b>26.3011</b>	<b>26.2727</b>	<b>0.0284</b>	<b>0.0263554</b>	<b>1.31777</b>	<b>x.xx</b>	<b>x.xx</b>	<b>98.13%</b>	
4.5	<b>28.5008</b>	<b>28.4743</b>	<b>0.0265</b>	<b>0.0244554</b>	<b>1.22277</b>	<b>0.095</b>	<b>7.21%</b>	<b>98.27%</b>	<b>0.13%</b>
5	<b>28.0991</b>	<b>28.0728</b>	<b>0.0263</b>	<b>0.0242554</b>	<b>1.21277</b>	<b>0.01</b>	<b>0.76%</b>	<b>98.28%</b>	<b>0.01%</b>
5.5	<b>29.0493</b>	<b>29.0232</b>	<b>0.0261</b>	<b>0.0240554</b>	<b>1.20277</b>	<b>0.01</b>	<b>0.76%</b>	<b>98.30%</b>	<b>0.01%</b>
6	<b>28.8542</b>	<b>28.8284</b>	<b>0.0258</b>	<b>0.0237554</b>	<b>1.18777</b>	<b>0.015</b>	<b>1.14%</b>	<b>98.32%</b>	<b>0.02%</b>
7	<b>28.2909</b>	<b>28.2658</b>	<b>0.0251</b>	<b>0.0230554</b>	<b>1.15277</b>	<b>0.035</b>	<b>2.66%</b>	<b>98.37%</b>	<b>0.05%</b>
8	<b>27.2149</b>	<b>27.1904</b>	<b>0.0245</b>	<b>0.0224554</b>	<b>1.12277</b>	<b>0.03</b>	<b>2.28%</b>	<b>98.41%</b>	<b>0.04%</b>
9	<b>28.2555</b>	<b>28.2311</b>	<b>0.0244</b>	<b>0.0223554</b>	<b>1.11777</b>	<b>0.005</b>	<b>0.38%</b>	<b>98.42%</b>	<b>0.01%</b>
10	<b>29.0926</b>	<b>29.0684</b>	<b>0.0242</b>	<b>0.0221554</b>	<b>1.10777</b>	<b>0.01</b>	<b>0.76%</b>	<b>98.43%</b>	<b>0.01%</b>
						<b>1.10777</b>	<b>84.06%</b>		<b>1.57%</b>

A-153	US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
	7	-1.5 to -2	<b>54.2487</b>	<b>54.3075</b>	<b>0.0588</b>	<b>0.08%</b>	<b>0.08%</b>		
	10	-1 to -1.5	<b>51.9525</b>	<b>52.0676</b>	<b>0.1151</b>	<b>0.17%</b>	<b>0.16%</b>		
	14	-0.5 to -1	<b>49.6193</b>	<b>49.8111</b>	<b>0.1918</b>	<b>0.28%</b>	<b>0.27%</b>	<b>% Gravel</b>	<b>0.25%</b>
	18	0 to -0.5	<b>46.0329</b>	<b>46.4781</b>	<b>0.4452</b>	<b>0.64%</b>	<b>0.63%</b>	<b>% Sand</b>	<b>97.88%</b>
	25	0.5 to 0.0	<b>41.991</b>	<b>43.1254</b>	<b>1.1344</b>	<b>1.64%</b>	<b>1.61%</b>	<b>% Silt</b>	<b>0.28%</b>
	35	1.0 to 0.5	<b>43.8722</b>	<b>45.9167</b>	<b>2.0445</b>	<b>2.95%</b>	<b>2.89%</b>	<b>% Clay</b>	<b>1.59%</b>
	45	1.5 to 1.0	<b>40.8311</b>	<b>68.7465</b>	<b>27.9154</b>	<b>40.28%</b>	<b>39.52%</b>	<b>% Sieve loss</b>	<b>0.01%</b>
	60	2.0 to 1.5	<b>40.1888</b>	<b>71.3243</b>	<b>31.1355</b>	<b>44.92%</b>	<b>44.08%</b>		
	80	2.5 to 2.0	<b>35.8469</b>	<b>40.1938</b>	<b>4.3469</b>	<b>6.27%</b>	<b>6.15%</b>	<b>% Total</b>	<b>100.00%</b>
	120	3.0 to 2.5	<b>34.9494</b>	<b>36.6967</b>	<b>1.7473</b>	<b>2.52%</b>	<b>2.47%</b>		
	170	3.5 to 3.0	<b>34.2284</b>	<b>34.3416</b>	<b>0.1132</b>	<b>0.16%</b>	<b>0.16%</b>		
	230	4.0 to 3.5	<b>33.7497</b>	<b>33.8063</b>	<b>0.0566</b>	<b>0.08%</b>	<b>0.08%</b>		
	Pan	>4.0	<b>21.5366</b>	<b>21.5369</b>	<b>0.0003</b>				

Coarse Fract **69.3094**  
 Sieve Total **69.3047**  
 Sieve Loss **0.0047**

Sample D2/5

Cruise No. **MMS 1988-B2** Total Weight **87.40057** Weight >4phi **1.53777**  
 Sample No. **D 2 - 5** Weight <4phi **85.8628**

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol) Wt	Mat. in Si	Weight %	Cum Wt %	Cc Overall Wt %
<b>Total</b>	<b>29.4069</b>	<b>29.3741</b>	<b>0.0328</b>	<b>0.0307554</b>	<b>1.53777</b>	<b>x.xx</b>	<b>x.xx</b>	<b>98.24%</b>	
4.5	27.5762	27.5453	0.0309	0.0288554	1.44277	0.095	6.18%	98.35%	0.11%
5	26.8923	26.8619	0.0304	0.0283554	1.41777	0.025	1.63%	98.38%	0.03%
5.5	26.9681	26.9384	0.0297	0.0276554	1.38277	0.035	2.28%	98.42%	0.04%
6	28.4338	28.4044	0.0294	0.0273554	1.36777	0.015	0.98%	98.44%	0.02%
7	28.8223	28.7936	0.0287	0.0266554	1.33277	0.035	2.28%	98.48%	0.04%
8	28.5508	28.5222	0.0286	0.0265554	1.32777	0.005	0.33%	98.48%	0.01%
9	28.5116	28.4833	0.0283	0.0262554	1.31277	0.015	0.98%	98.50%	0.02%
10	29.3004	29.2724	0.028	0.0259554	1.29777	0.015	0.98%	98.52%	0.02%
						<b>1.29777</b>	<b>84.39%</b>		<b>1.48%</b>

A-154

US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	54.2499	54.4145	0.1646	0.19%	0.19%		
10	-1 to -1.5	51.953	52.2085	0.2555	0.30%	0.29%		
14	-0.5 to -1	49.6164	49.9007	0.2843	0.33%	0.33%	% Gravel	0.48%
18	0 to -0.5	46.0313	46.4204	0.3891	0.45%	0.45%	% Sand	97.71%
25	0.5 to 0.0	41.9903	42.6982	0.7079	0.82%	0.81%	% Silt	0.24%
35	1.0 to 0.5	43.8707	45.4123	1.5416	1.80%	1.76%	% Clay	1.52%
45	1.5 to 1.0	40.8191	74.1788	33.3597	38.85%	38.17%	% Sieve loss	0.03%
60	2.0 to 1.5	40.1836	82.5659	42.3823	49.36%	48.49%		
80	2.5 to 2.0	35.8442	41.0706	5.2264	6.09%	5.98%	% Total	99.98%
120	3.0 to 2.5	34.9444	36.1872	1.2428	1.45%	1.42%		
170	3.5 to 3.0	34.2254	34.3461	0.1207	0.14%	0.14%		
230	4.0 to 3.5	33.7484	33.8915	0.1431	0.17%	0.16%		
Pan	>4.0	21.5516	21.5661	0.0145				

Coarse Fract **85.8483**  
 Sieve Total **85.818**  
 Sieve Loss **0.0303**

Sample 2/6

Cruise No. **MMS 1988-B2** Total Weight **69.45527** Weight >4phi **1.12277**  
 Sample No. **D 2-8** Weight <4phi **68.3325**

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol) Wt	Mat. in Sl	Weight %	Cum Wt %	Cc Overall Wt %
Total	<b>28.5112</b>	<b>28.4867</b>	<b>0.0245</b>	<b>0.0224554</b>	<b>1.12277</b>	<b>x.xx</b>	<b>x.xx</b>	<b>98.38%</b>	
4.5	<b>27.5221</b>	<b>27.4982</b>	<b>0.0239</b>	<b>0.0218554</b>	<b>1.09277</b>	<b>0.03</b>	<b>2.67%</b>	<b>98.43%</b>	<b>0.04%</b>
5	<b>27.5762</b>	<b>27.5524</b>	<b>0.0238</b>	<b>0.0217554</b>	<b>1.08777</b>	<b>0.005</b>	<b>0.45%</b>	<b>98.43%</b>	<b>0.01%</b>
5.5	<b>25.4869</b>	<b>25.4633</b>	<b>0.0236</b>	<b>0.0215554</b>	<b>1.07777</b>	<b>0.01</b>	<b>0.89%</b>	<b>98.45%</b>	<b>0.01%</b>
6	<b>28.5955</b>	<b>28.572</b>	<b>0.0235</b>	<b>0.0214554</b>	<b>1.07277</b>	<b>0.005</b>	<b>0.45%</b>	<b>98.46%</b>	<b>0.01%</b>
7	<b>28.4437</b>	<b>28.4203</b>	<b>0.0234</b>	<b>0.0213554</b>	<b>1.06777</b>	<b>0.005</b>	<b>0.45%</b>	<b>98.46%</b>	<b>0.01%</b>
8	<b>27.3609</b>	<b>27.3375</b>	<b>0.0234</b>	<b>0.0213554</b>	<b>1.06777</b>	<b>-1.776E-13</b>	<b>0.00%</b>	<b>98.46%</b>	<b>0.00%</b>
9	<b>28.4753</b>	<b>28.4523</b>	<b>0.023</b>	<b>0.0209554</b>	<b>1.04777</b>	<b>0.02</b>	<b>1.78%</b>	<b>98.49%</b>	<b>0.03%</b>
10	<b>31.7802</b>	<b>31.7579</b>	<b>0.0223</b>	<b>0.0202554</b>	<b>1.01277</b>	<b>0.035</b>	<b>3.12%</b>	<b>98.54%</b>	<b>0.05%</b>
						<b>1.01277</b>	<b>90.20%</b>		<b>1.46%</b>

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	<b>54.2465</b>	<b>54.2768</b>	<b>0.0303</b>	<b>0.04%</b>	<b>0.04%</b>		
10	-1 to -1.5	<b>51.9492</b>	<b>52.254</b>	<b>0.3048</b>	<b>0.45%</b>	<b>0.44%</b>		
14	-0.5 to -1	<b>49.6155</b>	<b>50.1524</b>	<b>0.5369</b>	<b>0.79%</b>	<b>0.77%</b>	<b>% Gravel</b>	<b>0.48%</b>
18	0 to -0.5	<b>46.0303</b>	<b>46.8575</b>	<b>0.8272</b>	<b>1.21%</b>	<b>1.19%</b>	<b>% Sand</b>	<b>97.85%</b>
25	0.5 to 0.0	<b>41.9873</b>	<b>43.2208</b>	<b>1.2335</b>	<b>1.81%</b>	<b>1.78%</b>	<b>% Silt</b>	<b>0.08%</b>
35	1.0 to 0.5	<b>43.8694</b>	<b>45.6538</b>	<b>1.7844</b>	<b>2.61%</b>	<b>2.57%</b>	<b>% Clay</b>	<b>1.54%</b>
45	1.5 to 1.0	<b>40.8239</b>	<b>65.0859</b>	<b>24.262</b>	<b>35.51%</b>	<b>34.93%</b>	<b>% Sieve loss</b>	<b>0.04%</b>
60	2.0 to 1.5	<b>40.1818</b>	<b>73.7607</b>	<b>33.5789</b>	<b>49.14%</b>	<b>48.35%</b>		
80	2.5 to 2.0	<b>35.8424</b>	<b>39.4292</b>	<b>3.5868</b>	<b>5.25%</b>	<b>5.16%</b>	<b>% Total</b>	<b>100.00%</b>
120	3.0 to 2.5	<b>34.9426</b>	<b>36.9888</b>	<b>2.0462</b>	<b>2.99%</b>	<b>2.95%</b>		
170	3.5 to 3.0	<b>34.2219</b>	<b>34.2963</b>	<b>0.0744</b>	<b>0.11%</b>	<b>0.11%</b>		
230	4.0 to 3.5	<b>33.7438</b>	<b>33.7783</b>	<b>0.0345</b>	<b>0.05%</b>	<b>0.05%</b>		
Pan	>4.0	<b>21.5323</b>	<b>21.534</b>	<b>0.0017</b>				

Coarse Fract **68.3308**  
 Sieve Total **68.2999**  
 Sieve Loss **0.0309**

Sample D3/1

Cruise No. **MMS 1988-B2** Total Weight **46.98167** Weight >4phi **4.19777**  
 Sample No. **D3-1** Weight <4phi **42.7839**

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol) Wt	Mat. in Si	Weight %	Cum Wt %	Cc Overall Wt %
Total	<b>27.16</b>	<b>27.074</b>	<b>0.086</b>	<b>0.0839554</b>	<b>4.19777</b>	<b>x.xx</b>	<b>x.xx</b>	<b>91.07%</b>	
4.5	<b>28.4937</b>	<b>28.4164</b>	<b>0.0773</b>	<b>0.0752554</b>	<b>3.76277</b>	<b>0.435</b>	<b>10.36%</b>	<b>91.99%</b>	<b>0.93%</b>
5	<b>27.9721</b>	<b>27.8994</b>	<b>0.0727</b>	<b>0.0706554</b>	<b>3.53277</b>	<b>0.23</b>	<b>5.48%</b>	<b>92.48%</b>	<b>0.49%</b>
5.5	<b>28.9645</b>	<b>28.8959</b>	<b>0.0686</b>	<b>0.0665554</b>	<b>3.32777</b>	<b>0.205</b>	<b>4.88%</b>	<b>92.92%</b>	<b>0.44%</b>
6	<b>28.7718</b>	<b>28.7074</b>	<b>0.0644</b>	<b>0.0623554</b>	<b>3.11777</b>	<b>0.21</b>	<b>5.00%</b>	<b>93.36%</b>	<b>0.45%</b>
7	<b>26.6608</b>	<b>26.6012</b>	<b>0.0596</b>	<b>0.0575554</b>	<b>2.87777</b>	<b>0.24</b>	<b>5.72%</b>	<b>93.87%</b>	<b>0.51%</b>
8	<b>27.4879</b>	<b>27.4378</b>	<b>0.0501</b>	<b>0.0480554</b>	<b>2.40277</b>	<b>0.475</b>	<b>11.32%</b>	<b>94.89%</b>	<b>1.01%</b>
9	<b>26.0164</b>	<b>25.974</b>	<b>0.0424</b>	<b>0.0403554</b>	<b>2.01777</b>	<b>0.385</b>	<b>9.17%</b>	<b>95.71%</b>	<b>0.82%</b>
10	<b>27.9277</b>	<b>27.8994</b>	<b>0.0283</b>	<b>0.0262554</b>	<b>1.31277</b>	<b>0.705</b>	<b>16.79%</b>	<b>97.21%</b>	<b>1.50%</b>
						<b>1.31277</b>	<b>31.27%</b>		<b>2.79%</b>

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	<b>54.2391</b>	<b>63.8363</b>	9.5972	22.43%	20.43%		
10	-1 to -1.5	<b>51.9461</b>	<b>57.3558</b>	5.4097	12.64%	11.51%		
14	-0.5 to -1	<b>49.6102</b>	<b>57.2337</b>	7.6235	17.82%	16.23%	% Gravel	31.94%
18	0 to -0.5	<b>46.0253</b>	<b>53.9865</b>	7.9612	18.61%	16.95%	% Sand	59.08%
25	0.5 to 0.0	<b>41.9859</b>	<b>46.348</b>	4.3621	10.20%	9.28%	% Silt	3.83%
35	1.0 to 0.5	<b>43.8649</b>	<b>45.6358</b>	1.7709	4.14%	3.77%	% Clay	5.11%
45	1.5 to 1.0	<b>39.5732</b>	<b>43.1016</b>	3.5284	8.25%	7.51%	% Sieve loss	0.02%
60	2.0 to 1.5	<b>40.1767</b>	<b>41.5895</b>	1.4128	3.30%	3.01%		
80	2.5 to 2.0	<b>35.84</b>	<b>36.4628</b>	0.6228	1.46%	1.33%	% Total	99.98%
120	3.0 to 2.5	<b>34.9416</b>	<b>35.1216</b>	0.18	0.42%	0.38%		
170	3.5 to 3.0	<b>34.2209</b>	<b>34.4264</b>	0.2055	0.48%	0.44%		
230	4.0 to 3.5	<b>33.7454</b>	<b>33.8294</b>	0.084	0.20%	0.18%		
Pan	>4.0	<b>21.051</b>	<b>21.066</b>	0.015				

Coarse Fract 42.7689  
 Sieve Total 42.7581  
 Sieve Loss 0.0108



Sample D3/2

Cruise No. **MMS 1988-B2** Total Weight **34.14757** Weight >4phi **5.69777**  
 Sample No. **D3-2** Weight <4phi **28.4498**

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol)	Wt Mat. in Si	Weight %	Cum Wt %	Cc Overall Wt %
Total	<b>30.3484</b>	<b>30.2324</b>	0.116	0.1139554	5.69777	x.xx	x.xx	<b>83.31%</b>	
4.5	<b>29.537</b>	<b>29.4357</b>	0.1013	0.0992554	4.96277	0.735	12.90%	<b>85.47%</b>	2.15%
5	<b>26.903</b>	<b>26.8107</b>	0.0923	0.0902554	4.51277	0.45	7.90%	<b>86.78%</b>	1.32%
5.5	<b>28.76</b>	<b>28.6745</b>	0.0855	0.0834554	4.17277	0.34	5.97%	<b>87.78%</b>	1.00%
6	<b>26.9715</b>	<b>26.8919</b>	0.0796	0.0775554	3.87777	0.295	5.18%	<b>88.64%</b>	0.86%
7	<b>28.0254</b>	<b>27.952</b>	0.0734	0.0713554	3.56777	0.31	5.44%	<b>89.55%</b>	0.91%
8	<b>27.2667</b>	<b>27.2033</b>	0.0634	0.0613554	3.06777	0.5	8.78%	<b>91.02%</b>	1.46%
9	<b>28.1284</b>	<b>28.0737</b>	0.0547	0.0526554	2.63277	0.435	7.63%	<b>92.29%</b>	1.27%
10	<b>25.333</b>	<b>25.2969</b>	0.0361	0.0340554	1.70277	0.93	16.32%	<b>95.01%</b>	2.72%
						1.70277	29.88%		4.99%

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	<b>54.2401</b>	<b>56.4609</b>	2.2208	7.81%	6.50%		
10	-1 to -1.5	<b>51.9442</b>	<b>53.7379</b>	1.7937	6.30%	5.25%		
14	-0.5 to -1	<b>49.6103</b>	<b>53.8059</b>	4.1956	14.75%	12.29%	% Gravel	11.75%
18	0 to -0.5	<b>46.0225</b>	<b>52.085</b>	6.0625	21.31%	17.75%	% Sand	72.44%
25	0.5 to 0.0	<b>41.9845</b>	<b>46.5166</b>	4.5321	15.93%	13.27%	% Silt	7.70%
35	1.0 to 0.5	<b>43.8637</b>	<b>46.175</b>	2.3113	8.12%	6.77%	% Clay	8.98%
45	1.5 to 1.0	<b>39.5723</b>	<b>44.5341</b>	4.9618	17.44%	14.53%	% Sieve loss	-0.89%
60	2.0 to 1.5	<b>40.1741</b>	<b>41.6652</b>	1.4911	5.24%	4.37%		
80	2.5 to 2.0	<b>35.8378</b>	<b>36.2863</b>	0.4485	1.58%	1.31%	% Total	99.98%
120	3.0 to 2.5	<b>34.9389</b>	<b>35.1398</b>	0.2009	0.71%	0.59%		
170	3.5 to 3.0	<b>34.2199</b>	<b>34.5588</b>	0.3389	1.19%	0.99%		
230	4.0 to 3.5	<b>33.7433</b>	<b>33.9371</b>	0.1938	0.68%	0.57%		
Pan	>4.0	<b>21.9589</b>	<b>21.962</b>	0.0031				

Coarse Fract **28.4467**  
 Sieve Total **28.751**  
 Sieve Loss **-0.3043**

Sample D3/3

Cruise No. **MMS 1988-B2** Total Weight **29.93907** Weight >4phi **5.50277**  
 Sample No. **D3-3** Weight <4phi **24.4363**

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded	Res (Tot.vol)	Wt Mat. in SI	Weight %	Cum Wt %	Cc Overall Wt %
Total	<b>28.97</b>	<b>28.8579</b>	0.1121	0.1100554	5.50277	x.xx	x.xx	81.62%	
4.5	<b>28.6579</b>	<b>28.5579</b>	0.1	0.0979554	4.89777	0.605	10.99%	83.64%	2.02%
5	<b>29.4011</b>	<b>29.3086</b>	0.0925	0.0904554	4.52277	0.375	6.81%	84.89%	1.25%
5.5	<b>29.165</b>	<b>29.0814</b>	0.0836	0.0815554	4.07777	0.445	8.09%	86.38%	1.49%
6	<b>28.2677</b>	<b>28.1901</b>	0.0776	0.0755554	3.77777	0.3	5.45%	87.38%	1.00%
7	<b>28.6194</b>	<b>28.5536</b>	0.0658	0.0637554	3.18777	0.59	10.72%	89.35%	1.97%
8	<b>29.2949</b>	<b>29.2422</b>	0.0527	0.0506554	2.53277	0.655	11.90%	91.54%	2.19%
9	<b>25.9354</b>	<b>25.8904</b>	0.045	0.0429554	2.14777	0.385	7.00%	92.83%	1.29%
10	<b>29.1094</b>	<b>29.0749</b>	0.0345	0.0324554	1.62277	0.525	9.54%	94.58%	1.75%
						1.62277	29.49%		5.42%

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	<b>54.2432</b>	<b>57.2904</b>	3.0472	12.47%	10.18%		
10	-1 to -1.5	<b>51.9452</b>	<b>53.5879</b>	1.6427	6.72%	5.49%		
14	-0.5 to -1	<b>49.6107</b>	<b>52.9432</b>	3.3325	13.64%	11.13%	% Gravel	15.67%
18	0 to -0.5	<b>46.0262</b>	<b>50.367</b>	4.3408	17.76%	14.50%	% Sand	65.92%
25	0.5 to 0.0	<b>41.985</b>	<b>45.2676</b>	3.2826	13.43%	10.96%	% Silt	9.92%
35	1.0 to 0.5	<b>43.8644</b>	<b>45.5914</b>	1.727	7.07%	5.77%	% Clay	8.46%
45	1.5 to 1.0	<b>39.5731</b>	<b>43.8966</b>	4.3235	17.69%	14.44%	% Sieve loss	0.01%
60	2.0 to 1.5	<b>40.1757</b>	<b>41.6732</b>	1.4975	6.13%	5.00%		
80	2.5 to 2.0	<b>35.8407</b>	<b>36.363</b>	0.5223	2.14%	1.74%	% Total	99.98%
120	3.0 to 2.5	<b>34.9404</b>	<b>35.142</b>	0.2016	0.83%	0.67%		
170	3.5 to 3.0	<b>34.2206</b>	<b>34.5382</b>	0.3176	1.30%	1.06%		
230	4.0 to 3.5	<b>33.7452</b>	<b>33.9395</b>	0.1943	0.80%	0.65%		
Pan	>4.0	<b>21.9614</b>	<b>21.965</b>	0.0036				

Coarse Fract **24.4327**  
 Sieve Total **24.4296**  
 Sieve Loss **0.0031**

Sample D3/4

Cruise No. **MMS 1988-B2** Total Weight **62.25027** Weight >4phi **7.36277**  
 Sample No. **D 3 - 4** Weight <4phi **54.8875**

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol) Wt Mat. in Si	Weight %	Cum Wt %	Cc Overall Wt %
Total	<b>28.2661</b>	<b>28.1168</b>	<b>0.1493</b>	<b>0.1472554</b>	<b>7.36277</b>	<b>x.xx</b>	<b>88.17%</b>	
4.5	<b>26.9117</b>	<b>26.7771</b>	<b>0.1346</b>	<b>0.1325554</b>	<b>6.62777</b>	<b>0.735</b>	<b>9.98%</b>	<b>1.18%</b>
5	<b>25.7996</b>	<b>25.6774</b>	<b>0.1222</b>	<b>0.1201554</b>	<b>6.00777</b>	<b>0.62</b>	<b>8.42%</b>	<b>1.00%</b>
5.5	<b>28.5938</b>	<b>28.4811</b>	<b>0.1127</b>	<b>0.1106554</b>	<b>5.53277</b>	<b>0.475</b>	<b>6.45%</b>	<b>0.76%</b>
6	<b>27.5166</b>	<b>27.4121</b>	<b>0.1045</b>	<b>0.1024554</b>	<b>5.12277</b>	<b>0.41</b>	<b>5.57%</b>	<b>0.66%</b>
7	<b>27.983</b>	<b>27.8965</b>	<b>0.0865</b>	<b>0.0844554</b>	<b>4.22277</b>	<b>0.9</b>	<b>12.22%</b>	<b>1.45%</b>
8	<b>29.3768</b>	<b>29.312</b>	<b>0.0648</b>	<b>0.0627554</b>	<b>3.13777</b>	<b>1.085</b>	<b>14.74%</b>	<b>1.74%</b>
9	<b>28.9173</b>	<b>28.8653</b>	<b>0.052</b>	<b>0.0499554</b>	<b>2.49777</b>	<b>0.64</b>	<b>8.69%</b>	<b>1.03%</b>
10	<b>29.8292</b>	<b>29.79096</b>	<b>0.03824</b>	<b>0.0361954</b>	<b>1.80977</b>	<b>0.688</b>	<b>9.34%</b>	<b>1.11%</b>
					<b>1.80977</b>	<b>24.58%</b>		<b>2.91%</b>

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	<b>54.239</b>	<b>62.238</b>	<b>7.999</b>	<b>14.57%</b>	<b>12.85%</b>		
10	-1 to -1.5	<b>51.9436</b>	<b>55.6948</b>	<b>3.7512</b>	<b>6.83%</b>	<b>6.03%</b>		
14	-0.5 to -1	<b>49.6095</b>	<b>57.2976</b>	<b>7.6881</b>	<b>14.01%</b>	<b>12.35%</b>	<b>% Gravel</b>	<b>18.88%</b>
18	0 to -0.5	<b>46.0261</b>	<b>56.4608</b>	<b>10.4347</b>	<b>19.01%</b>	<b>16.76%</b>	<b>% Sand</b>	<b>69.17%</b>
25	0.5 to 0.0	<b>41.9844</b>	<b>49.7067</b>	<b>7.7223</b>	<b>14.07%</b>	<b>12.41%</b>	<b>% Silt</b>	<b>6.79%</b>
35	1.0 to 0.5	<b>43.8636</b>	<b>47.7582</b>	<b>3.8946</b>	<b>7.10%</b>	<b>6.26%</b>	<b>% Clay</b>	<b>5.05%</b>
45	1.5 to 1.0	<b>39.5735</b>	<b>48.1676</b>	<b>8.5941</b>	<b>15.66%</b>	<b>13.81%</b>	<b>% Sieve loss</b>	<b>0.09%</b>
60	2.0 to 1.5	<b>40.1748</b>	<b>43.0181</b>	<b>2.8433</b>	<b>5.18%</b>	<b>4.57%</b>		
80	2.5 to 2.0	<b>35.8389</b>	<b>36.7074</b>	<b>0.8685</b>	<b>1.58%</b>	<b>1.40%</b>	<b>% Total</b>	<b>99.98%</b>
120	3.0 to 2.5	<b>34.9395</b>	<b>35.2638</b>	<b>0.3243</b>	<b>0.59%</b>	<b>0.52%</b>		
170	3.5 to 3.0	<b>34.2202</b>	<b>34.7216</b>	<b>0.5014</b>	<b>0.91%</b>	<b>0.81%</b>		
230	4.0 to 3.5	<b>33.7448</b>	<b>33.9161</b>	<b>0.1713</b>	<b>0.31%</b>	<b>0.28%</b>		
Pan	>4.0	<b>21.0506</b>	<b>21.0908</b>	<b>0.0402</b>				

Coarse Fract **54.8473**  
 Sieve Total **54.7928**  
 Sieve Loss **0.0545**

Sample D3/5

Cruise No. **MMS 1988-B2** Total Weight **42.73377** Weight >4phi **5.97777**  
 Sample No. **D3-5** Weight <4phi **36.756**

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol) Wt	Mat. in Si	Weight %	Cum Wt %	Cc Overall Wt %
Total	<b>26.3939</b>	<b>26.2723</b>	<b>0.1216</b>	<b>0.1195554</b>	<b>5.97777</b>	<b>x.xx</b>	<b>x.xx</b>	<b>86.01%</b>	
4.5	<b>28.5803</b>	<b>28.474</b>	<b>0.1063</b>	<b>0.1042554</b>	<b>5.21277</b>	<b>0.765</b>	<b>12.80%</b>	<b>87.80%</b>	<b>1.79%</b>
5	<b>28.1704</b>	<b>28.0746</b>	<b>0.0958</b>	<b>0.0937554</b>	<b>4.68777</b>	<b>0.525</b>	<b>8.78%</b>	<b>89.03%</b>	<b>1.23%</b>
5.5	<b>29.1146</b>	<b>29.0235</b>	<b>0.0911</b>	<b>0.0890554</b>	<b>4.45277</b>	<b>0.235</b>	<b>3.93%</b>	<b>89.58%</b>	<b>0.55%</b>
6	<b>28.9145</b>	<b>28.8279</b>	<b>0.0866</b>	<b>0.0845554</b>	<b>4.22777</b>	<b>0.225</b>	<b>3.76%</b>	<b>90.11%</b>	<b>0.53%</b>
7	<b>28.3424</b>	<b>28.2654</b>	<b>0.077</b>	<b>0.0749554</b>	<b>3.74777</b>	<b>0.48</b>	<b>8.03%</b>	<b>91.23%</b>	<b>1.12%</b>
8	<b>27.2532</b>	<b>27.1904</b>	<b>0.0628</b>	<b>0.0607554</b>	<b>3.03777</b>	<b>0.71</b>	<b>11.88%</b>	<b>92.89%</b>	<b>1.66%</b>
9	<b>28.2815</b>	<b>28.2309</b>	<b>0.0506</b>	<b>0.0485554</b>	<b>2.42777</b>	<b>0.61</b>	<b>10.20%</b>	<b>94.32%</b>	<b>1.43%</b>
10	<b>29.1026</b>	<b>29.0687</b>	<b>0.0339</b>	<b>0.0318554</b>	<b>1.59277</b>	<b>0.835</b>	<b>13.97%</b>	<b>96.27%</b>	<b>1.95%</b>
						<b>1.59277</b>	<b>26.64%</b>		<b>3.73%</b>

A-160	US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
	7	-1.5 to -2	<b>54.2389</b>	<b>57.3358</b>	<b>3.0969</b>	<b>8.43%</b>	<b>7.25%</b>		
10	-1 to -1.5	<b>51.9458</b>	<b>54.2248</b>	<b>2.279</b>	<b>6.20%</b>	<b>5.33%</b>			
14	-0.5 to -1	<b>49.6109</b>	<b>54.0351</b>	<b>4.4242</b>	<b>12.04%</b>	<b>10.35%</b>		<b>% Gravel</b>	<b>12.58%</b>
18	0 to -0.5	<b>46.0255</b>	<b>53.2762</b>	<b>7.2507</b>	<b>19.73%</b>	<b>16.97%</b>		<b>% Sand</b>	<b>73.37%</b>
25	0.5 to 0.0	<b>41.9854</b>	<b>47.6224</b>	<b>5.637</b>	<b>15.34%</b>	<b>13.19%</b>		<b>% Silt</b>	<b>6.88%</b>
35	1.0 to 0.5	<b>43.8651</b>	<b>46.8283</b>	<b>2.9632</b>	<b>8.06%</b>	<b>6.93%</b>		<b>% Clay</b>	<b>7.11%</b>
45	1.5 to 1.0	<b>39.5717</b>	<b>46.9081</b>	<b>7.3364</b>	<b>19.96%</b>	<b>17.17%</b>		<b>% Sieve loss</b>	<b>0.02%</b>
60	2.0 to 1.5	<b>40.1761</b>	<b>42.3044</b>	<b>2.1283</b>	<b>5.79%</b>	<b>4.98%</b>			
80	2.5 to 2.0	<b>35.8402</b>	<b>36.5391</b>	<b>0.6989</b>	<b>1.90%</b>	<b>1.64%</b>		<b>% Total</b>	<b>99.96%</b>
120	3.0 to 2.5	<b>34.9415</b>	<b>35.2209</b>	<b>0.2794</b>	<b>0.76%</b>	<b>0.65%</b>			
170	3.5 to 3.0	<b>34.2213</b>	<b>34.6971</b>	<b>0.4758</b>	<b>1.29%</b>	<b>1.11%</b>			
230	4.0 to 3.5	<b>33.7447</b>	<b>33.9058</b>	<b>0.1611</b>	<b>0.44%</b>	<b>0.38%</b>			
Pan	>4.0	<b>21.9607</b>	<b>21.9793</b>	<b>0.0186</b>					

Coarse Fract **36.7374**  
 Sieve Total **36.7309**  
 Sieve Loss **0.0065**

Sample D3/6

Cruise No. **MMS 1988-B2** Total Weight **34.67417** Weight >4phi **7.90277**  
 Sample No. **D3-6** Weight <4phi **26.7714**

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol) Wt	Mat. in Si	Weight %	Cum Wt %	Cc Overall Wt %
Total	<b>29.534</b>	<b>29.3739</b>	<b>0.1601</b>	<b>0.1580554</b>	<b>7.90277</b>	<b>x.xx</b>	<b>x.xx</b>	<b>77.21%</b>	
4.5	<b>27.6926</b>	<b>27.5452</b>	<b>0.1474</b>	<b>0.1453554</b>	<b>7.26777</b>	<b>0.635</b>	<b>8.04%</b>	<b>79.04%</b>	<b>1.83%</b>
5	<b>26.9951</b>	<b>26.8622</b>	<b>0.1329</b>	<b>0.1308554</b>	<b>6.54277</b>	<b>0.725</b>	<b>9.17%</b>	<b>81.13%</b>	<b>2.09%</b>
5.5	<b>27.062</b>	<b>26.9388</b>	<b>0.1232</b>	<b>0.1211554</b>	<b>6.05777</b>	<b>0.485</b>	<b>6.14%</b>	<b>82.53%</b>	<b>1.40%</b>
6	<b>28.5184</b>	<b>28.4042</b>	<b>0.1142</b>	<b>0.1121554</b>	<b>5.60777</b>	<b>0.45</b>	<b>5.69%</b>	<b>83.83%</b>	<b>1.30%</b>
7	<b>28.8818</b>	<b>28.7934</b>	<b>0.0884</b>	<b>0.0863554</b>	<b>4.31777</b>	<b>1.29</b>	<b>16.32%</b>	<b>87.55%</b>	<b>3.72%</b>
8	<b>28.5784</b>	<b>28.5233</b>	<b>0.0551</b>	<b>0.0530554</b>	<b>2.65277</b>	<b>1.665</b>	<b>21.07%</b>	<b>92.35%</b>	<b>4.80%</b>
9	<b>28.5308</b>	<b>28.4831</b>	<b>0.0477</b>	<b>0.0456554</b>	<b>2.28277</b>	<b>0.37</b>	<b>4.68%</b>	<b>93.42%</b>	<b>1.07%</b>
10	<b>29.3106</b>	<b>29.2722</b>	<b>0.0384</b>	<b>0.0363554</b>	<b>1.81777</b>	<b>0.465</b>	<b>5.88%</b>	<b>94.76%</b>	<b>1.34%</b>
						<b>1.81777</b>	<b>23.00%</b>		<b>5.24%</b>

A-161

US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	<b>54.2492</b>	<b>54.2492</b>	<b>0</b>	<b>0.00%</b>	<b>0.00%</b>		
10	-1 to -1.5	<b>51.9549</b>	<b>52.0168</b>	<b>0.0619</b>	<b>0.23%</b>	<b>0.18%</b>		
14	-0.5 to -1	<b>49.6218</b>	<b>49.7094</b>	<b>0.0876</b>	<b>0.33%</b>	<b>0.25%</b>	<b>% Gravel</b>	<b>0.18%</b>
18	0 to -0.5	<b>46.0358</b>	<b>46.1649</b>	<b>0.1291</b>	<b>0.48%</b>	<b>0.37%</b>	<b>% Sand</b>	<b>76.95%</b>
25	0.5 to 0.0	<b>41.9939</b>	<b>42.2477</b>	<b>0.2538</b>	<b>0.95%</b>	<b>0.73%</b>	<b>% Silt</b>	<b>15.14%</b>
35	1.0 to 0.5	<b>43.8752</b>	<b>44.2783</b>	<b>0.4031</b>	<b>1.51%</b>	<b>1.16%</b>	<b>% Clay</b>	<b>7.65%</b>
45	1.5 to 1.0	<b>40.8311</b>	<b>45.7106</b>	<b>4.8795</b>	<b>18.23%</b>	<b>14.07%</b>	<b>% Sieve loss</b>	<b>0.03%</b>
60	2.0 to 1.5	<b>40.1925</b>	<b>55.3915</b>	<b>15.199</b>	<b>56.77%</b>	<b>43.83%</b>		
80	2.5 to 2.0	<b>35.8488</b>	<b>37.1391</b>	<b>1.2903</b>	<b>4.82%</b>	<b>3.72%</b>	<b>% Total</b>	<b>99.95%</b>
120	3.0 to 2.5	<b>34.957</b>	<b>38.9802</b>	<b>4.0232</b>	<b>15.03%</b>	<b>11.60%</b>		
170	3.5 to 3.0	<b>34.229</b>	<b>34.3339</b>	<b>0.1049</b>	<b>0.39%</b>	<b>0.30%</b>		
230	4.0 to 3.5	<b>33.7559</b>	<b>34.0746</b>	<b>0.3187</b>	<b>1.19%</b>	<b>0.92%</b>		
Pan	>4.0	<b>21.5313</b>	<b>21.5409</b>	<b>0.0096</b>				

Coarse Fract **26.7618**  
 Sieve Total **26.7511**  
 Sieve Loss **0.0107**

Sample D4/1

Cruise No. **MMS 1988-B2** Total Weight 20.3631 Weight >4phi 19.378  
 Sample No. **D4-1** Weight <4phi 0.9851

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol) Wt	Mat. In Si	Weight %	Cum Wt %	Cc Overall Wt %
Total	<b>28.2229</b>	<b>27.8333</b>	0.3896	0.38756	19.378	x.xx	x.xx	4.84%	
4.5	<b>26.6322</b>	<b>26.2679</b>	0.3643	0.36226	18.113	1.265	6.53%	11.05%	6.21%
5	<b>28.1498</b>	<b>27.8158</b>	0.334	0.33196	16.598	1.515	7.82%	18.49%	7.44%
5.5	<b>27.0196</b>	<b>26.7265</b>	0.2931	0.29106	14.553	2.045	10.55%	28.53%	10.04%
6	<b>29.0878</b>	<b>28.8248</b>	0.263	0.26096	13.048	1.505	7.77%	35.92%	7.39%
7	<b>28.6771</b>	<b>28.4853</b>	0.1918	0.18976	9.488	3.56	18.37%	53.41%	17.48%
8	<b>27.8094</b>	<b>27.709</b>	0.1004	0.09836	4.918	4.57	23.58%	75.85%	22.44%
9	<b>28.8654</b>	<b>28.807</b>	0.0584	0.05636	2.818	2.1	10.84%	86.16%	10.31%
10	<b>25.4412</b>	<b>25.4076</b>	0.0336	0.03156	1.578	1.24	6.40%	92.25%	6.09%
						1.578	8.14%		7.75%

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	<b>54.2373</b>	<b>54.2373</b>	0	0.00%	0.00%		
10	-1 to -1.5	<b>51.9422</b>	<b>51.9434</b>	0.0012	0.12%	0.01%		
14	-0.5 to -1	<b>49.6089</b>	<b>49.6146</b>	0.0057	0.58%	0.03%	% Gravel	0.01%
18	0 to -0.5	<b>46.0251</b>	<b>46.0436</b>	0.0185	1.88%	0.09%	% Sand	4.73%
25	0.5 to 0.0	<b>41.9829</b>	<b>42.0015</b>	0.0186	1.89%	0.09%	% Silt	71.00%
35	1.0 to 0.5	<b>43.8614</b>	<b>43.8823</b>	0.0209	2.12%	0.10%	% Clay	24.15%
45	1.5 to 1.0	<b>39.5703</b>	<b>39.6437</b>	0.0734	7.45%	0.36%	% Sieve loss	0.03%
60	2.0 to 1.5	<b>40.1731</b>	<b>40.2382</b>	0.0651	6.61%	0.32%		
80	2.5 to 2.0	<b>35.8372</b>	<b>35.9162</b>	0.079	8.02%	0.39%	% Total	99.92%
120	3.0 to 2.5	<b>34.6301</b>	<b>34.7651</b>	0.135	13.70%	0.66%		
170	3.5 to 3.0	<b>34.2172</b>	<b>34.4997</b>	0.2825	28.68%	1.39%		
230	4.0 to 3.5	<b>33.7427</b>	<b>34.0079</b>	0.2652	26.92%	1.30%		
Pan	>4.0	<b>21.0499</b>	<b>21.0637</b>	0.0138				
			Coarse Fract	0.9713				
			Sieve Total	0.9651				
			Sieve Loss	0.0062				

Sample D4/2

Cruise No. **MMS 1988-B2** Total Weight 19.3288 Weight >4phi 18.443  
 Sample No. **D4-2** Weight <4phi 0.8858

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol) Wt	Mat. in Si	Weight %	Cum Wt %	Cc Overall Wt %
Total	<b>30.7116</b>	<b>30.3407</b>	<b>0.3709</b>	<b>0.36886</b>	<b>18.443</b>	<b>x.xx</b>	<b>x.xx</b>	<b>4.58%</b>	
4.5	<b>27.6354</b>	<b>27.2848</b>	<b>0.3506</b>	<b>0.34856</b>	<b>17.428</b>	<b>1.015</b>	<b>5.50%</b>	<b>9.83%</b>	<b>5.25%</b>
5	<b>28.8137</b>	<b>28.4946</b>	<b>0.3191</b>	<b>0.31706</b>	<b>15.853</b>	<b>1.575</b>	<b>8.54%</b>	<b>17.98%</b>	<b>8.15%</b>
5.5	<b>29.909</b>	<b>29.6259</b>	<b>0.2831</b>	<b>0.28106</b>	<b>14.053</b>	<b>1.8</b>	<b>9.76%</b>	<b>27.30%</b>	<b>9.31%</b>
6	<b>29.8008</b>	<b>29.545</b>	<b>0.2558</b>	<b>0.25376</b>	<b>12.688</b>	<b>1.365</b>	<b>7.40%</b>	<b>34.36%</b>	<b>7.06%</b>
7	<b>26.1222</b>	<b>25.9363</b>	<b>0.1859</b>	<b>0.18386</b>	<b>9.193</b>	<b>3.495</b>	<b>18.95%</b>	<b>52.44%</b>	<b>18.08%</b>
8	<b>26.7667</b>	<b>26.6546</b>	<b>0.1121</b>	<b>0.11006</b>	<b>5.503</b>	<b>3.69</b>	<b>20.01%</b>	<b>71.53%</b>	<b>19.09%</b>
9	<b>29.2665</b>	<b>29.2016</b>	<b>0.0649</b>	<b>0.06286</b>	<b>3.143</b>	<b>2.36</b>	<b>12.80%</b>	<b>83.74%</b>	<b>12.21%</b>
10	<b>27.2031</b>	<b>27.1676</b>	<b>0.0355</b>	<b>0.03346</b>	<b>1.673</b>	<b>1.47</b>	<b>7.97%</b>	<b>91.34%</b>	<b>7.61%</b>
						<b>1.673</b>	<b>9.07%</b>		<b>8.66%</b>

A-163

US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	<b>54.2385</b>	<b>54.2458</b>	0.0073	0.82%	0.04%		
10	-1 to -1.5	<b>51.9437</b>	<b>51.9458</b>	0.0021	0.24%	0.01%		
14	-0.5 to -1	<b>49.6086</b>	<b>49.6143</b>	0.0057	0.64%	0.03%	% Gravel	0.05%
18	0 to -0.5	<b>46.024</b>	<b>46.0348</b>	0.0108	1.22%	0.06%	% Sand	4.48%
25	0.5 to 0.0	<b>41.9829</b>	<b>41.9944</b>	0.0115	1.30%	0.06%	% Silt	66.94%
35	1.0 to 0.5	<b>43.862</b>	<b>43.8781</b>	0.0161	1.82%	0.08%	% Clay	28.48%
45	1.5 to 1.0	<b>39.5718</b>	<b>39.6458</b>	0.074	8.35%	0.38%	% Sieve loss	0.00%
60	2.0 to 1.5	<b>40.1735</b>	<b>40.2304</b>	0.0569	6.42%	0.29%		
80	2.5 to 2.0	<b>35.8384</b>	<b>35.9156</b>	0.0772	8.72%	0.40%	% Total	99.95%
120	3.0 to 2.5	<b>34.6304</b>	<b>34.778</b>	0.1476	16.66%	0.76%		
170	3.5 to 3.0	<b>34.2176</b>	<b>34.4864</b>	0.2688	30.35%	1.39%		
230	4.0 to 3.5	<b>33.7432</b>	<b>33.9419</b>	0.1987	22.43%	1.03%		
Pan	>4.0	<b>21.971</b>	<b>21.9792</b>	0.0082				

Coarse Fract 0.8776  
 Sieve Total 0.8767  
 Sieve Loss 0.0009

Sample D4/3

Cruise No. **MMS 1988-B2** Total Weight 19.6007 Weight >4phi 18.338  
 Sample No. **D4-3** Weight <4phi 1.2627

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol) Wt	Mat. in Si	Weight %	Cum Wt %	Cc Overall Wt %
Total	28.0253	27.6565	0.3688	0.36678	18.338	x.xx	x.xx	6.44%	
4.5	27.6818	27.3311	0.3507	0.34866	17.433	0.905	4.94%	11.06%	4.62%
5	29.4684	29.1499	0.3185	0.31646	15.823	1.61	8.78%	19.27%	8.21%
5.5	27.521	27.237	0.284	0.28196	14.098	1.725	9.41%	28.07%	8.80%
6	28.968	28.7157	0.2523	0.25026	12.513	1.585	8.64%	36.16%	8.09%
7	27.3238	27.1512	0.1726	0.17056	8.528	3.985	21.73%	56.49%	20.33%
8	25.7349	25.6658	0.0691	0.06706	3.353	5.175	28.22%	82.89%	26.40%
9	26.6362	26.59	0.0462	0.04416	2.208	1.145	6.24%	88.74%	5.84%
10	28.7444	28.7139	0.0305	0.02846	1.423	0.785	4.28%	92.74%	4.00%
						1.423	7.76%		7.26%

A-164	US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
	7	-1.5 to -2	54.239	54.239	0	0.00%	0.00%		
	10	-1 to -1.5	51.9435	51.9435	0	0.00%	0.00%		
	14	-0.5 to -1	49.6094	49.6293	0.0199	1.58%	0.10%	% Gravel	0.00%
	18	0 to -0.5	46.0256	46.0455	0.0199	1.58%	0.10%	% Sand	6.37%
	25	0.5 to 0.0	41.9833	42.0089	0.0256	2.03%	0.13%	% Silt	76.45%
	35	1.0 to 0.5	43.8622	43.8997	0.0375	2.97%	0.19%	% Clay	17.10%
	45	1.5 to 1.0	39.5706	39.7336	0.163	12.91%	0.83%	% Sieve loss	0.01%
	60	2.0 to 1.5	40.1734	40.3009	0.1275	10.10%	0.65%		
	80	2.5 to 2.0	35.8385	35.9634	0.1249	9.89%	0.64%	% Total	99.93%
	120	3.0 to 2.5	34.6269	34.8047	0.1778	14.08%	0.91%		
	170	3.5 to 3.0	34.2173	34.5488	0.3315	26.25%	1.69%		
	230	4.0 to 3.5	33.742	33.9643	0.2223	17.61%	1.13%		
	Pan	>4.0	21.9683	21.9797	0.0114				

Coarse Fract 1.2513  
 Sieve Total 1.2499  
 Sieve Loss 0.0014



Sample D4/4

Cruise No. **MMS 1988-B2** Total Weight 19.1657 Weight >4phi 17.973  
 Sample No. **D4-4** Weight <4phi 1.1927

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol) Wt	Mat. In Sl	Weight %	Cum Wt %	Cc Overall Wt %
Total	<b>28.3032</b>	<b>27.9417</b>	<b>0.3615</b>	<b>0.35946</b>	<b>17.973</b>	<b>x.xx</b>	<b>x.xx</b>	<b>6.22%</b>	
4.5	<b>27.0731</b>	<b>26.7299</b>	<b>0.3432</b>	<b>0.34116</b>	<b>17.058</b>	<b>0.915</b>	<b>5.09%</b>	<b>11.00%</b>	<b>4.77%</b>
5	<b>26.2546</b>	<b>25.9475</b>	<b>0.3071</b>	<b>0.30506</b>	<b>15.253</b>	<b>1.805</b>	<b>10.04%</b>	<b>20.42%</b>	<b>9.42%</b>
5.5	<b>27.4712</b>	<b>27.1986</b>	<b>0.2726</b>	<b>0.27056</b>	<b>13.528</b>	<b>1.725</b>	<b>9.60%</b>	<b>29.42%</b>	<b>9.00%</b>
6	<b>27.8701</b>	<b>27.6209</b>	<b>0.2492</b>	<b>0.24716</b>	<b>12.358</b>	<b>1.17</b>	<b>6.51%</b>	<b>35.52%</b>	<b>6.10%</b>
7	<b>27.6016</b>	<b>27.4546</b>	<b>0.147</b>	<b>0.14496</b>	<b>7.248</b>	<b>5.11</b>	<b>28.43%</b>	<b>62.18%</b>	<b>26.66%</b>
8	<b>29.1858</b>	<b>29.1247</b>	<b>0.0611</b>	<b>0.05906</b>	<b>2.953</b>	<b>4.295</b>	<b>23.90%</b>	<b>84.59%</b>	<b>22.41%</b>
9	<b>27.8738</b>	<b>27.8281</b>	<b>0.0457</b>	<b>0.04366</b>	<b>2.183</b>	<b>0.77</b>	<b>4.28%</b>	<b>88.61%</b>	<b>4.02%</b>
10	<b>27.5243</b>	<b>27.491</b>	<b>0.0333</b>	<b>0.03126</b>	<b>1.563</b>	<b>0.62</b>	<b>3.45%</b>	<b>91.84%</b>	<b>3.23%</b>
						<b>1.563</b>	<b>8.70%</b>		<b>8.16%</b>

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	<b>54.2378</b>	<b>54.2378</b>	0	0.00%	0.00%		
10	-1 to -1.5	<b>51.9435</b>	<b>51.9442</b>	0.0007	0.06%	0.00%		
14	-0.5 to -1	<b>49.6084</b>	<b>49.6112</b>	0.0028	0.23%	0.01%	% Gravel	0.00%
18	0 to -0.5	<b>46.0237</b>	<b>46.0347</b>	0.011	0.92%	0.06%	% Sand	6.11%
25	0.5 to 0.0	<b>41.9821</b>	<b>41.9931</b>	0.011	0.92%	0.06%	% Silt	78.36%
35	1.0 to 0.5	<b>43.8615</b>	<b>43.8741</b>	0.0126	1.06%	0.07%	% Clay	15.41%
45	1.5 to 1.0	<b>39.5698</b>	<b>39.6509</b>	0.0811	6.80%	0.42%	% Sieve loss	0.02%
60	2.0 to 1.5	<b>40.1728</b>	<b>40.2571</b>	0.0843	7.07%	0.44%		
80	2.5 to 2.0	<b>35.8372</b>	<b>35.948</b>	0.1108	9.29%	0.58%	% Total	99.90%
120	3.0 to 2.5	<b>34.6293</b>	<b>34.8157</b>	0.1864	15.63%	0.97%		
170	3.5 to 3.0	<b>34.2172</b>	<b>34.589</b>	0.3718	31.17%	1.94%		
230	4.0 to 3.5	<b>33.7419</b>	<b>34.0417</b>	0.2998	25.14%	1.56%		
Pan	>4.0	<b>21.9688</b>	<b>21.985</b>	0.0162				

Coarse Fract 1.1765  
 Sieve Total 1.1723  
 Sieve Loss 0.0042

Sample D4/5

Cruise No. **MMS 1988-B2** Total Weight **20.0328** Weight >4phi **18.938**  
 Sample No. **D4-5** Weight <4phi **1.0948**

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol) Wt	Mat. in Si	Weight %	Cum Wt %	Cc Overall Wt %
Total	<b>27.863</b>	<b>27.4822</b>	<b>0.3808</b>	<b>0.37876</b>	<b>18.938</b>	<b>x.xx</b>	<b>x.xx</b>	<b>5.47%</b>	
4.5	<b>27.7581</b>	<b>27.4066</b>	<b>0.3515</b>	<b>0.34946</b>	<b>17.473</b>	<b>1.465</b>	<b>7.74%</b>	<b>12.78%</b>	<b>7.31%</b>
5	<b>29.1247</b>	<b>28.808</b>	<b>0.3167</b>	<b>0.31466</b>	<b>15.733</b>	<b>1.74</b>	<b>9.19%</b>	<b>21.46%</b>	<b>8.69%</b>
5.5	<b>28.0131</b>	<b>27.7319</b>	<b>0.2812</b>	<b>0.27916</b>	<b>13.958</b>	<b>1.775</b>	<b>9.37%</b>	<b>30.32%</b>	<b>8.86%</b>
6	<b>28.6974</b>	<b>28.4465</b>	<b>0.2509</b>	<b>0.24886</b>	<b>12.443</b>	<b>1.515</b>	<b>8.00%</b>	<b>37.89%</b>	<b>7.56%</b>
7	<b>27.2287</b>	<b>27.0469</b>	<b>0.1818</b>	<b>0.17976</b>	<b>8.988</b>	<b>3.455</b>	<b>18.24%</b>	<b>55.13%</b>	<b>17.25%</b>
8	<b>28.5151</b>	<b>28.4231</b>	<b>0.092</b>	<b>0.08996</b>	<b>4.498</b>	<b>4.49</b>	<b>23.71%</b>	<b>77.55%</b>	<b>22.41%</b>
9	<b>27.8942</b>	<b>27.8365</b>	<b>0.0577</b>	<b>0.05566</b>	<b>2.783</b>	<b>1.715</b>	<b>9.06%</b>	<b>86.11%</b>	<b>8.56%</b>
10	<b>30.1555</b>	<b>30.1225</b>	<b>0.033</b>	<b>0.03096</b>	<b>1.548</b>	<b>1.235</b>	<b>6.52%</b>	<b>92.27%</b>	<b>6.16%</b>
						<b>1.548</b>	<b>8.17%</b>		<b>7.73%</b>

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	<b>54.2363</b>	<b>54.2363</b>	<b>0</b>	<b>0.00%</b>	<b>0.00%</b>		
10	-1 to -1.5	<b>51.9425</b>	<b>51.9495</b>	<b>0.007</b>	<b>0.64%</b>	<b>0.03%</b>		
14	-0.5 to -1	<b>49.6082</b>	<b>49.6155</b>	<b>0.0073</b>	<b>0.67%</b>	<b>0.04%</b>	<b>% Gravel</b>	<b>0.03%</b>
18	0 to -0.5	<b>46.024</b>	<b>46.0416</b>	<b>0.0176</b>	<b>1.61%</b>	<b>0.09%</b>	<b>% Sand</b>	<b>5.40%</b>
25	0.5 to 0.0	<b>41.9827</b>	<b>41.9997</b>	<b>0.017</b>	<b>1.55%</b>	<b>0.08%</b>	<b>% Silt</b>	<b>72.08%</b>
35	1.0 to 0.5	<b>43.8612</b>	<b>43.8904</b>	<b>0.0292</b>	<b>2.67%</b>	<b>0.15%</b>	<b>% Clay</b>	<b>22.45%</b>
45	1.5 to 1.0	<b>39.5695</b>	<b>39.6882</b>	<b>0.1187</b>	<b>10.84%</b>	<b>0.59%</b>	<b>% Sieve loss</b>	<b>0.02%</b>
60	2.0 to 1.5	<b>40.1721</b>	<b>40.2645</b>	<b>0.0924</b>	<b>8.44%</b>	<b>0.46%</b>		
80	2.5 to 2.0	<b>35.8367</b>	<b>35.9341</b>	<b>0.0974</b>	<b>8.90%</b>	<b>0.49%</b>	<b>% Total</b>	<b>99.98%</b>
120	3.0 to 2.5	<b>34.6292</b>	<b>34.773</b>	<b>0.1438</b>	<b>13.13%</b>	<b>0.72%</b>		
170	3.5 to 3.0	<b>34.2169</b>	<b>34.5889</b>	<b>0.372</b>	<b>33.98%</b>	<b>1.86%</b>		
230	4.0 to 3.5	<b>33.7413</b>	<b>33.9249</b>	<b>0.1836</b>	<b>16.77%</b>	<b>0.92%</b>		
Pan	>4.0	<b>21.9651</b>	<b>21.9701</b>	<b>0.005</b>				

Coarse Fract **1.0898**  
 Sieve Total **1.086**  
 Sieve Loss **0.0038**

Sample D4/6

Cruise No. **MMS 1988-B2** Total Weight 24.502 Weight >4phi 23.058  
 Sample No. **D4-6** Weight <4phi 1.444

Phi Size	Dry Wt	Comb Beak. Wt (g)	Res Wt (g)	Pep Excluded Res	(Tot.vol) Wt	Mat. in Si	Weight %	Cum Wt %	Cc Overall Wt %
Total	<b>29.8784</b>	<b>29.4152</b>	<b>0.4632</b>	<b>0.46116</b>	<b>23.058</b>	<b>x.xx</b>	<b>x.xx</b>	<b>5.89%</b>	
4.5	<b>27.9111</b>	<b>27.4629</b>	<b>0.4482</b>	<b>0.44616</b>	<b>22.308</b>	<b>0.75</b>	<b>3.25%</b>	<b>8.95%</b>	<b>3.06%</b>
5	<b>28.2024</b>	<b>27.7922</b>	<b>0.4102</b>	<b>0.40816</b>	<b>20.408</b>	<b>1.9</b>	<b>8.24%</b>	<b>16.71%</b>	<b>7.75%</b>
5.5	<b>30.8586</b>	<b>30.4912</b>	<b>0.3674</b>	<b>0.36536</b>	<b>18.268</b>	<b>2.14</b>	<b>9.28%</b>	<b>25.44%</b>	<b>8.73%</b>
6	<b>29.2772</b>	<b>28.9536</b>	<b>0.3236</b>	<b>0.32156</b>	<b>16.078</b>	<b>2.19</b>	<b>9.50%</b>	<b>34.38%</b>	<b>8.94%</b>
7	<b>29.7903</b>	<b>29.6431</b>	<b>0.1472</b>	<b>0.14516</b>	<b>7.258</b>	<b>8.82</b>	<b>38.25%</b>	<b>70.38%</b>	<b>36.00%</b>
8	<b>29.4322</b>	<b>29.3771</b>	<b>0.0551</b>	<b>0.05306</b>	<b>2.653</b>	<b>4.605</b>	<b>19.97%</b>	<b>89.17%</b>	<b>18.79%</b>
9	<b>29.7923</b>	<b>29.7478</b>	<b>0.0445</b>	<b>0.04246</b>	<b>2.123</b>	<b>0.53</b>	<b>2.30%</b>	<b>91.34%</b>	<b>2.16%</b>
10	<b>26.017</b>	<b>25.9818</b>	<b>0.0352</b>	<b>0.03316</b>	<b>1.658</b>	<b>0.465</b>	<b>2.02%</b>	<b>93.23%</b>	<b>1.90%</b>
						<b>1.658</b>	<b>7.19%</b>		<b>6.77%</b>

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US Sieve No.	Phi Interval	Sieve Weight	Sieve +Fract	Fraction Wt.	Weight %	Overall Wt %		
7	-1.5 to -2	<b>54.2401</b>	<b>54.5762</b>	<b>0.3361</b>	<b>23.28%</b>	<b>1.37%</b>		
10	-1 to -1.5	<b>51.9451</b>	<b>51.9517</b>	<b>0.0066</b>	<b>0.46%</b>	<b>0.03%</b>		
14	-0.5 to -1	<b>49.6118</b>	<b>49.6182</b>	<b>0.0064</b>	<b>0.44%</b>	<b>0.03%</b>	<b>% Gravel</b>	<b>1.40%</b>
18	0 to -0.5	<b>46.0248</b>	<b>46.0396</b>	<b>0.0148</b>	<b>1.02%</b>	<b>0.06%</b>	<b>% Sand</b>	<b>4.41%</b>
25	0.5 to 0.0	<b>41.9834</b>	<b>42.0032</b>	<b>0.0198</b>	<b>1.37%</b>	<b>0.08%</b>	<b>% Silt</b>	<b>83.27%</b>
35	1.0 to 0.5	<b>43.8626</b>	<b>43.8855</b>	<b>0.0229</b>	<b>1.59%</b>	<b>0.09%</b>	<b>% Clay</b>	<b>10.83%</b>
45	1.5 to 1.0	<b>39.5725</b>	<b>39.6446</b>	<b>0.0721</b>	<b>4.99%</b>	<b>0.29%</b>	<b>% Sieve loss</b>	<b>0.01%</b>
60	2.0 to 1.5	<b>40.1752</b>	<b>40.2473</b>	<b>0.0721</b>	<b>4.99%</b>	<b>0.29%</b>		
80	2.5 to 2.0	<b>35.8395</b>	<b>35.9536</b>	<b>0.1141</b>	<b>7.90%</b>	<b>0.47%</b>	<b>% Total</b>	<b>99.92%</b>
120	3.0 to 2.5	<b>34.6324</b>	<b>34.8125</b>	<b>0.1801</b>	<b>12.47%</b>	<b>0.74%</b>		
170	3.5 to 3.0	<b>34.2191</b>	<b>34.5484</b>	<b>0.3293</b>	<b>22.80%</b>	<b>1.34%</b>		
230	4.0 to 3.5	<b>33.7444</b>	<b>33.9933</b>	<b>0.2489</b>	<b>17.24%</b>	<b>1.02%</b>		
Pan	>4.0	<b>21.0525</b>	<b>21.0699</b>	<b>0.0174</b>				
			<b>Coarse Fract</b>	<b>1.4266</b>				
			<b>Sieve Total</b>	<b>1.4232</b>				
			<b>Sieve Loss</b>	<b>0.0034</b>				

**Sediment Ancillary**

ANCILLARY SEDIMENT DATA

FILE #	SAMPLE	Organic Carbon (%)	Calcium carbonate (%)	δC-13 (%)
<b>CRUISE 0</b>				
L4525	C-1	1.30	8.18	-21.3
L4526	C-2	0.25	7.1	-18.0
L4527	C-3	1.26	1.52	-19.7
L4528	C-4	0.88	2.11	-23.0
no sample	D-1			
L4529	D-2	0.66	93.53	-19.1
L4530	D-3	1.18	1.04	-21.5
L4531	D-4	1.20	64.38	-21.0
L4532	M-1	0.12	2.38	-25.1
L4533	M-2	0.16	3.61	-24.0
L4534	M-3	0.14	14.68	-21.5
L4535	M-4	0.82	2.05	-20.4
<b>CRUISE 1</b>				
W 6233	C-1	0.71	7.04	-23.4
W 6234	C-2	0.70	2.49	-23.7
W 6235	C-3	1.50	4.26	-23.5
W 6236	C-4	0.74	2.85	-23.3
W 6237	D-1	0.28	0.65	-22.9
W 6238	D-2	0.28	2.45	-23.3
W 6239	D-3	0.10	93.64	-22.3
W 6240	D-4	1.77	53.51	-22.7
W 6241	M-1	0.38	1.37	-24.8
W 6242	M-2	0.17	6.55	-20.8
W 6243	M-3	0.61	22.92	-23.3
W 6244	M-4	1.72	11.01	-23.8

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ANCILLARY SEDIMENT DATA

FILE #	SAMPLE	Organic Carbon (%)	Calcium carbonate (%)	$\delta^{13}\text{C}$ (%)
<b>CRUISE 2</b>				
W 7734	C-1	0.56	5.57	-21.4
W 7735	C-2	2.17	9.53	-23.4
W 7736	C-3	1.24	2.94	-23.0
W 7737	C-4	1.39	3.04	-22.7
W 7738	D-1	0.05	1.16	-24.2
W 7739	D-2	0.41	2.09	-25.9
W 7740	D-3	0.91	79.06	-23.2
W 7741	D-4	2.64	46.56	-22.2
W 7742	M-1	0.27	2.94	-24.9
W 7743	M-2	0.27	5.23	-23.3
W 7744	M-3	0.48	22.47	-21.3
W 7745	M-4	1.30	2.02	-21.3

A-172

# Appendix B

## **BIOLOGY**

## Macroinfauna



## MACROINFAUNA SPECIES FROM CRUISE O BY TRANSECT

## TRAN=C

## PARAMETERS

VARIABLE	#OCC	TOTAL	#/OCC	MEAN	MAX	MIN	MIN>0	CUMY
1. Lumbrineris verrilli	4	28	7.000	7.00	13	1	1	7.292
2. Nephtys incisa	4	20	5.000	5.00	10	1	1	12.500
3. Ninoe sp B	4	19	4.750	4.75	12	1	1	17.448
4. Nereis micromma	3	21	7.000	5.25	15	0	3	22.917
5. Aricidea fragilis	3	11	3.667	2.75	8	0	1	25.781
6. Lumbrineris sp b	3	10	3.333	2.50	6	0	1	28.385
7. Paraprionospio pinnata	3	8	2.667	2.00	4	0	1	30.469
8. Tharyx marioni	3	6	2.000	1.50	3	0	1	32.031
9. Nemertea	3	6	2.000	1.50	3	0	1	33.594
10. Tauberia oligobranchiata	3	4	1.333	1.00	2	0	1	34.635
11. Prionospio pygmaea	2	28	14.000	7.00	20	0	8	41.927
12. Notomastus hemipodus	2	19	9.500	4.75	14	0	5	46.875
13. Notomastus daueri	2	11	5.500	2.75	7	0	4	49.740
14. Tanaidacea	2	9	4.500	2.25	8	0	1	52.083
15. Cossura soyeri	2	6	3.000	1.50	3	0	3	53.646
16. Alpheus floridanus	2	6	3.000	1.50	5	0	1	55.208
17. Ampelisca agassizi	2	5	2.500	1.25	3	0	2	56.510
18. Aglaophamus verrilli	2	4	2.000	1.00	3	0	1	57.552
19. Amphipoda	2	4	2.000	1.00	3	0	1	58.594
20. Armandia maculata	2	4	2.000	1.00	3	0	1	59.635
21. Mediomastus californiensis	2	3	1.500	0.75	2	0	1	60.417
22. Ampelisca abdita	2	3	1.500	0.75	2	0	1	61.198
23. Decamastus sp A	2	2	1.000	0.50	1	0	1	61.719
24. Drilonereis longa	2	2	1.000	0.50	1	0	1	62.240
25. Glycera americana	2	2	1.000	0.50	1	0	1	62.760
26. Nemertea (yellow banded)	2	2	1.000	0.50	1	0	1	63.281
27. Asychis elongata	1	9	9.000	2.25	9	0	9	65.625
28. Onuphis sp a	1	7	7.000	1.75	7	0	7	67.448
29. Spiocarcinus lobatus	1	6	6.000	1.50	6	0	6	69.010
30. Pectinaria sp	1	5	5.000	1.25	5	0	5	70.312
31. Magelona sp E	1	5	5.000	1.25	5	0	5	71.615
32. Notomastus tenuis	1	4	4.000	1.00	4	0	4	72.656
33. Nucleana sp	1	4	4.000	1.00	4	0	4	73.698
34. Gerridae (mitchell)	1	4	4.000	1.00	4	0	4	74.740
35. Loimia medusa	1	3	3.000	0.75	3	0	3	75.521
36. Nassarius acutus	1	3	3.000	0.75	3	0	3	76.302
37. Bivalvia unid	1	3	3.000	0.75	3	0	3	77.083
38. Euclymene sp B	1	3	3.000	0.75	3	0	3	77.865
39. Sthenelanelia sp A	1	3	3.000	0.75	3	0	3	78.646
40. Micropholis atra	1	3	3.000	0.75	3	0	3	79.427
41. Tellina versicolor	1	3	3.000	0.75	3	0	3	80.208
42. Talorchestia barabrae	1	3	3.000	0.75	3	0	3	80.990
43. Paguridae	1	2	2.000	0.50	2	0	2	81.510
44. Emerita sp (mitchell)	1	2	2.000	0.50	2	0	2	82.031
45. Chaetozone sp C	1	2	2.000	0.50	2	0	2	82.552
46. Ostracoda	1	2	2.000	0.50	2	0	2	83.073
47. Pilargis sp	1	2	2.000	0.50	2	0	2	83.594
48. Aplacophora	1	2	2.000	0.50	2	0	2	84.115
49. Magelona sp I	1	2	2.000	0.50	2	0	2	84.635
50. Cerebratulus lacteus	1	2	2.000	0.50	2	0	2	85.156

51. Glottidia pyramidata	1	2	2.000	0.50	2	0	2	85.677
52. Amphipoda, un id	1	2	2.000	0.50	2	0	2	86.198
53. Lepidactylus triarticulatus	1	1	1.000	0.25	1	0	1	86.458
54. Sarsonuphis hartmanae	1	1	1.000	0.25	1	0	1	86.719
55. Gyptis vittata	1	1	1.000	0.25	1	0	1	86.979
56. Photis macromanus	1	1	1.000	0.25	1	0	1	87.240
57. Aricidea (allia) trilobita	1	1	1.000	0.25	1	0	1	87.500
58. Bryozoa	1	1	1.000	0.25	1	0	1	87.760
59. Wacerera	1	1	1.000	0.25	1	0	1	88.021
60. Donax romeri	1	1	1.000	0.25	1	0	1	88.281
61. Turbellaria, eyes around tenta	1	1	1.000	0.25	1	0	1	88.542
62. Lucina pectinata	1	1	1.000	0.25	1	0	1	88.802
63. Gastropoda unid	1	1	1.000	0.25	1	0	1	89.062
64. Penaeid	1	1	1.000	0.25	1	0	1	89.323
65. Aricidea (aricidea) longicirra	1	1	1.000	0.25	1	0	1	89.583
66. Monoculodes edwardsi	1	1	1.000	0.25	1	0	1	89.844
67. Axipthella mucosa	1	1	1.000	0.25	1	0	1	90.104
68. Coleoptera c (mitchell)	1	1	1.000	0.25	1	0	1	90.365
69. Glycera sp F	1	1	1.000	0.25	1	0	1	90.625
70. Chaetozone sp (frag)	1	1	1.000	0.25	1	0	1	90.885
71. Tauberia oculata	1	1	1.000	0.25	1	0	1	91.146
72. Tauberia gracilis	1	1	1.000	0.25	1	0	1	91.406
73. Diopatra tridentata	1	1	1.000	0.25	1	0	1	91.667
74. Diplodonta sp	1	1	1.000	0.25	1	0	1	91.927
75. Chone americana	1	1	1.000	0.25	1	0	1	92.187
76. Aricidea taylori	1	1	1.000	0.25	1	0	1	92.448
77. Goniadella sp A	1	1	1.000	0.25	1	0	1	92.708
78. Tharyx setigera	1	1	1.000	0.25	1	0	1	92.969
79. Spiophares c.f. missionensis	1	1	1.000	0.25	1	0	1	93.229
80. Tharyx c.f. annulosus	1	1	1.000	0.25	1	0	1	93.490
81. Goneplacidae	1	1	1.000	0.25	1	0	1	93.750
82. Collembola sp	1	1	1.000	0.25	1	0	1	94.010
83. Moira atropos	1	1	1.000	0.25	1	0	1	94.271
84. Spilocuma sp	1	1	1.000	0.25	1	0	1	94.531
85. Lumbrineris sp E	1	1	1.000	0.25	1	0	1	94.792
86. Cirrophorus lyra	1	1	1.000	0.25	1	0	1	95.052
87. Nemeritea frags.	1	1	1.000	0.25	1	0	1	95.312
88. Cirriformia sp	1	1	1.000	0.25	1	0	1	95.573
89. Pinnixa sayana	1	1	1.000	0.25	1	0	1	95.833
90. Aricidea c.f. pseudoarticulata	1	1	1.000	0.25	1	0	1	96.094
91. Polynoidae sp b	1	1	1.000	0.25	1	0	1	96.354
92. Goniada c.f. brunnea	1	1	1.000	0.25	1	0	1	96.615
93. Kirbergonuphis sp A	1	1	1.000	0.25	1	0	1	96.875
94. Magelona sp I	1	1	1.000	0.25	1	0	1	97.135
95. Phoronid frag.	1	1	1.000	0.25	1	0	1	97.396
96. Hemipodus sp	1	1	1.000	0.25	1	0	1	97.656
97. Phascolion strombi	1	1	1.000	0.25	1	0	1	97.917
98. Megalomma bioculatum	1	1	1.000	0.25	1	0	1	98.177
99. Volvulella texasiana	1	1	1.000	0.25	1	0	1	98.437
100. Nemeritean (mitchell)	1	1	1.000	0.25	1	0	1	98.698
101. Goniada littorea	1	1	1.000	0.25	1	0	1	98.958
102. Septibranch	1	1	1.000	0.25	1	0	1	99.219
103. Decamastus c.f. gracilis	1	1	1.000	0.25	1	0	1	99.479
104. Coleoptera b (mitchell)	1	1	1.000	0.25	1	0	1	99.740
105. Notomastus americanus	1	1	1.000	0.25	1	0	1	100.000
106. Ophiophragmus cf pulcher	0	0	0.00	0.00	0	0	0	100.000
107. Polvodontes lupina	0	0	0.00	0.00	0	0	0	100.000
108. Oxyurostylis smithi	0	0	0.00	0.00	0	0	0	100.000
109. Sigambra sp	0	0	0.00	0.00	0	0	0	100.000
110. Marphysa belli	0	0	0.00	0.00	0	0	0	100.000

111. Tauberia reducta	0	0	0.00	0	0	100.000
112. Ophiuroid frags	0	0	0.00	0	0	100.000
113. Scaphopod	0	0	0.00	0	0	100.000
114. Spiophanes bombyx	0	0	0.00	0	0	100.000
115. Minuspio sp A	0	0	0.00	0	0	100.000
116. Paralacydonia paradoxa	0	0	0.00	0	0	100.000
117. Mastobranchus c.f. sp A	0	0	0.00	0	0	100.000
118. Lumbrineris latreilli	0	0	0.00	0	0	100.000
119. Shrimp (headless)	0	0	0.00	0	0	100.000
120. Shrimp	0	0	0.00	0	0	100.000
121. Oligochaeta	0	0	0.00	0	0	100.000
122. Nematodes, 2 purple bands	0	0	0.00	0	0	100.000
123. Schistomeringos cf rudolphi	0	0	0.00	0	0	100.000
124. Litocorsa cf stremma	0	0	0.00	0	0	100.000
125. Telothalepus c.f. capensis	0	0	0.00	0	0	100.000
126. Ophiuroid	0	0	0.00	0	0	100.000
127. Lumbrineris ernesti	0	0	0.00	0	0	100.000
128. Petaloproctus sp	0	0	0.00	0	0	100.000
129. Hydroides protulicula	0	0	0.00	0	0	100.000
130. Tanaid	0	0	0.00	0	0	100.000
131. Harmothoe sp B	0	0	0.00	0	0	100.000
132. Haemulon aurolineatum	0	0	0.00	0	0	100.000
133. Talorchestia sp	0	0	0.00	0	0	100.000
134. Gyptis brevipalpa	0	0	0.00	0	0	100.000
135. Trypanosyllis c.f. parvidentat	0	0	0.00	0	0	100.000
136. Scoloplos acmeceps	0	0	0.00	0	0	100.000
137. Owenia cf fusiformis	0	0	0.00	0	0	100.000
138. Nereis grayi	0	0	0.00	0	0	100.000
139. Spiophanes c.f. wigley	0	0	0.00	0	0	100.000
140. Golfingia	0	0	0.00	0	0	100.000
141. Kurtziella	0	0	0.00	0	0	100.000
142. Microspio pigmentata	0	0	0.00	0	0	100.000
143. Solenogaster	0	0	0.00	0	0	100.000
144. Solen	0	0	0.00	0	0	100.000
145. Sipunculida	0	0	0.00	0	0	100.000
146. Sigambra tentaculata	0	0	0.00	0	0	100.000
147. Foraminifera	0	0	0.00	0	0	100.000
148. Sicyonia sp	0	0	0.00	0	0	100.000
149. Eurythoe sp	0	0	0.00	0	0	100.000
150. Pinnixa lunzi	0	0	0.00	0	0	100.000
151. Lovenella grandis (col)	0	0	0.00	0	0	100.000
152. Euclymene sp	0	0	0.00	0	0	100.000
153. Euchone c.f. southern	0	0	0.00	0	0	100.000
154. Euceramus praelongus	0	0	0.00	0	0	100.000
155. Laonice cirrata	0	0	0.00	0	0	100.000
156. Echiuroidea cf thalassema	0	0	0.00	0	0	100.000
157. Pseudeurythoe paucibranchiata	0	0	0.00	0	0	100.000
158. Donax texastana	0	0	0.00	0	0	100.000
159. Prionospio fallax	0	0	0.00	0	0	100.000
160. Prionospio cristata	0	0	0.00	0	0	100.000
161. Prionospio (minuspio) sp	0	0	0.00	0	0	100.000
162. Diopatra cuprea	0	0	0.00	0	0	100.000
163. Maldane sp	0	0	0.00	0	0	100.000
164. Eunicidae	0	0	0.00	0	0	100.000
165. Cumacea	0	0	0.00	0	0	100.000
166. Cossura sp A	0	0	0.00	0	0	100.000
167. Spiophanes sp	0	0	0.00	0	0	100.000
168. Golfingia cf trichocephala	0	0	0.00	0	0	100.000
169. Macoma tenta	0	0	0.00	0	0	100.000
170. Nephtys cryptomma	0	0	0.00	0	0	100.000

171. Glycera sp C	0	0	0.00	0	0	100.000
172. Clymenella torquata calida	0	0	0.00	0	0	100.000
173. Lumbrineris sp D	0	0	0.00	0	0	100.000
174. Lumbrineris sp C	0	0	0.00	0	0	100.000
175. Xenanthura brevitelson	0	0	0.00	0	0	100.000
176. Chaetozone sp D	0	0	0.00	0	0	100.000
177. Lumbrineris impatiens	0	0	0.00	0	0	100.000
178. Chaetozone sp A	0	0	0.00	0	0	100.000
179. Oxyurostylis salinot	0	0	0.00	0	0	100.000
180. Owenia sp A	0	0	0.00	0	0	100.000
181. Ceratocephale oculata	0	0	0.00	0	0	100.000
182. Caulleriella c.f. zelandica	0	0	0.00	0	0	100.000
183. Capitellidae (frag)	0	0	0.00	0	0	100.000
184. Cadulus sp	0	0	0.00	0	0	100.000
185. Bunodactis texensis	0	0	0.00	0	0	100.000
186. Bubble shell	0	0	0.00	0	0	100.000
187. Bryozoan col.	0	0	0.00	0	0	100.000
188. Bryozoan (encrusting)	0	0	0.00	0	0	100.000
189. Bryozoan	0	0	0.00	0	0	100.000
190. Notomastus lobatus	0	0	0.00	0	0	100.000
191. Branchiostoma	0	0	0.00	0	0	100.000
192. Bocardiella sp A	0	0	0.00	0	0	100.000
193. Tachytrypae jeffreysii	0	0	0.00	0	0	100.000
194. Bivalvia (Amygdalum?)	0	0	0.00	0	0	100.000
195. Bivalvia	0	0	0.00	0	0	100.000
196. Barantolla sp A	0	0	0.00	0	0	100.000
197. Nephtys picta	0	0	0.00	0	0	100.000
198. Axiothella sp A	0	0	0.00	0	0	100.000
199. Axiothella sp	0	0	0.00	0	0	100.000
200. Axiothella mucosa	0	0	0.00	0	0	100.000
201. Nemertean	0	0	0.00	0	0	100.000
202. Aspidosiphon cf speciosus	0	0	0.00	0	0	100.000
203. Aspidosiphon	0	0	0.00	0	0	100.000
204. Nemertea (yellow line)	0	0	0.00	0	0	100.000
205. Armandia agilis	0	0	0.00	0	0	100.000
206. Exogone dispar	0	0	0.00	0	0	100.000
207. Nematoda	0	0	0.00	0	0	100.000
208. Aricidea cerrutii	0	0	0.00	0	0	100.000
209. Myrioventia californ	0	0	0.00	0	0	100.000
210. Mooreonuphis pallidula	0	0	0.00	0	0	100.000
211. Mooreonuphis c.f. nebulosa	0	0	0.00	0	0	100.000
212. Aricidea (acmira) philbinae	0	0	0.00	0	0	100.000
213. Scalibregma inflatum	0	0	0.00	0	0	100.000
214. Anthurid (cyathura?)	0	0	0.00	0	0	100.000
215. Anemone (holothuroid like)	0	0	0.00	0	0	100.000
216. Ancistrostylis sp a	0	0	0.00	0	0	100.000
217. Ancistrostylis papillosa	0	0	0.00	0	0	100.000
218. Ancistrostylis cf groenlandica	0	0	0.00	0	0	100.000
219. Anaitides mucosa	0	0	0.00	0	0	100.000
220. Anaitides groenlandica	0	0	0.00	0	0	100.000
221. Anachis obesa	0	0	0.00	0	0	100.000
222. Malacoceros vanderhorsti	0	0	0.00	0	0	100.000
223. Magelona sp L	0	0	0.00	0	0	100.000
224. Ampharete americana	0	0	0.00	0	0	100.000
225. Phyllo felix	0	0	0.00	0	0	100.000
226. Phoxocephalidae	0	0	0.00	0	0	100.000
227. Amparete c.f. irana heterobran	0	0	0.00	0	0	100.000
228. Macoma sp	0	0	0.00	0	0	100.000
229. Coleoptera a (mitchell)	0	0	0.00	0	0	100.000

230. <i>Abra Aequalis</i>	0	0	0.00	0	0	100.000
231. <i>Abra aequalis</i>	0	0	0.00	0	0	100.000
232. c.f. <i>Scolecocleptes</i>	0	0	0.00	0	0	100.000

TOTAL # OBSERVATIONS = 4  
 TOTAL # OCCURRENCES = 144  
 TOTAL COUNT = 384  
 CUM% BASED ON TOTAL

## MACROINFAUNA SPECIES FROM CRUISE O BY TRANSECT

TRAN=M

VARIABLE	PARAMETERS							CUMX
	#OCC	TOTAL	#/OCC	MEAN	MAX	MIN	MIN>0	
1. Paraprionospio pinnata	4	63	15.750	15.75	24	2	2	8.898
2. Prionospio fallax	4	13	3.250	3.25	6	1	1	10.734
3. Amphipoda	4	10	2.500	2.50	5	1	1	12.147
4. Lumbrineris verrilli	3	93	31.000	23.25	75	0	5	25.282
5. Mediomastus californiensis	3	58	19.333	14.50	26	0	14	33.475
6. Ceratocephale oculata	3	18	6.000	4.50	18	0	1	36.017
7. Armandia maculata	3	14	4.667	3.50	8	0	1	37.994
8. Tharyx marioni	3	13	4.333	3.25	6	0	2	39.831
9. Exogone dispar	3	12	4.000	3.00	10	0	1	41.525
10. Phascolion strombi	3	5	1.667	1.25	3	0	1	42.232
11. Chaetozone sp C	3	4	1.333	1.00	2	0	1	42.797
12. Anaitides mucosa	3	4	1.333	1.00	2	0	1	43.362
13. Lumbrineris sp b	3	4	1.333	1.00	2	0	1	43.927
14. Sigambra tentaculata	3	4	1.333	1.00	2	0	1	44.492
15. Nemereta (yellow banded)	3	3	1.000	0.75	1	0	1	44.915
16. Aglaophamus verrilli	2	24	12.000	6.00	18	0	6	48.305
17. Nemereta	2	12	6.000	3.00	11	0	1	50.000
18. Cerebratulus lacteus	2	10	5.000	2.50	7	0	3	51.412
19. Goniada littorea	2	9	4.500	2.25	8	0	1	52.684
20. Ostracoda	2	8	4.000	2.00	7	0	1	53.814
21. Paralacydonia paradoxa	2	5	2.500	1.25	4	0	1	54.520
22. Prionospio pygmaea	2	5	2.500	1.25	3	0	2	55.226
23. Bivalvia	2	5	2.500	1.25	3	0	2	55.932
24. Xenanthura breviteison	2	5	2.500	1.25	4	0	1	56.638
25. Nereis micromma	2	5	2.500	1.25	4	0	1	57.345
26. Aricidea fragilis	2	4	2.000	1.00	2	0	2	57.910
27. Tanaidacea	2	4	2.000	1.00	3	0	1	58.475
28. Foraminifera	2	4	2.000	1.00	3	0	1	59.040
29. Euclymene sp	2	4	2.000	1.00	2	0	2	59.605
30. Aricidea c.f. pseudoarticulata	2	4	2.000	1.00	2	0	2	60.169
31. Ampelisca abdita	2	3	1.500	0.75	2	0	1	60.593
32. Malacoceros vanderhorsti	2	3	1.500	0.75	2	0	1	61.017
33. Spiophanes c.f. wigley	2	2	1.000	0.50	1	0	1	61.299
34. Gyptis vittata	2	2	1.000	0.50	1	0	1	61.582
35. Glycera americana	2	2	1.000	0.50	1	0	1	61.864
36. Micropholis atra	2	2	1.000	0.50	1	0	1	62.147
37. Paguridae	2	2	1.000	0.50	1	0	1	62.429
38. Ophiuroid frags	2	2	1.000	0.50	1	0	1	62.712
39. Cirrophorus lyra	2	2	1.000	0.50	1	0	1	62.994
40. Oligochaeta	2	2	1.000	0.50	1	0	1	63.277
41. Lumbrineris sp E	1	35	35.000	8.75	35	0	35	68.220
42. Spiophanes bombyx	1	20	20.000	5.00	20	0	20	71.045
43. Nephtys incisa	1	16	16.000	4.00	16	0	16	73.305
44. Golfingia	1	7	7.000	1.75	7	0	7	74.294
45. Glottidia pyramidata	1	7	7.000	1.75	7	0	7	75.282
46. Laonice cirrata	1	7	7.000	1.75	7	0	7	76.271
47. Loimia medusa	1	7	7.000	1.75	7	0	7	77.260
48. Macoma sp	1	6	6.000	1.50	6	0	6	78.107
49. Microspio pigmentata	1	6	6.000	1.50	6	0	6	78.955
50. Tharyx setigera	1	6	6.000	1.50	6	0	6	79.802
51. Marphysa belli	1	6	6.000	1.50	6	0	6	80.650

52.	Mooreonuphis c.f. nebulosa	1	5	5.000	1.25	5	0	5	81.356
53.	Solenogaster	1	5	5.000	1.25	5	0	5	82.062
54.	Nassarius acutus	1	4	4.000	1.00	4	0	4	82.627
55.	Macoma tenta	1	4	4.000	1.00	4	0	4	83.192
56.	Scoloplos acmeceps	1	4	4.000	1.00	4	0	4	83.757
57.	Oruphis sp a	1	4	4.000	1.00	4	0	4	84.322
58.	c.f. Scolecolepides	1	4	4.000	1.00	4	0	4	84.887
59.	Prionospio cristata	1	4	4.000	1.00	4	0	4	85.452
60.	Axiothella sp	1	3	3.000	0.75	3	0	3	85.876
61.	Nemertea frags.	1	3	3.000	0.75	3	0	3	86.299
62.	Armandia agilis	1	3	3.000	0.75	3	0	3	86.723
63.	Axiothella sp A	1	3	3.000	0.75	3	0	3	87.147
64.	Nemertea, 2 purple bands	1	2	2.000	0.50	2	0	2	87.429
65.	Anthurid (cyathura?)	1	2	2.000	0.50	2	0	2	87.712
66.	Oxyurostylis smithi	1	2	2.000	0.50	2	0	2	87.994
67.	Aricidea (acmira) philibinae	1	2	2.000	0.50	2	0	2	88.277
68.	Cumacea	1	2	2.000	0.50	2	0	2	88.559
69.	Donax texasiana	1	2	2.000	0.50	2	0	2	88.842
70.	Telothelapus c.f. capensis	1	2	2.000	0.50	2	0	2	89.124
71.	Asychis elongata	1	2	2.000	0.50	2	0	2	89.407
72.	Golfingia cf trichocephala	1	2	2.000	0.50	2	0	2	89.689
73.	Haemulon aurolineatum	1	2	2.000	0.50	2	0	2	89.972
74.	Pseudeurythde paucibranchiata	1	2	2.000	0.50	2	0	2	90.254
75.	Nemertean	1	2	2.000	0.50	2	0	2	90.537
76.	Clymenella torquata calida	1	2	2.000	0.50	2	0	2	90.819
77.	Caulierella c.f. zelandica	1	2	2.000	0.50	2	0	2	91.102
78.	Goniadella sp A	1	1	1.000	0.25	1	0	1	91.243
79.	Lumbrineris ernesti	1	1	1.000	0.25	1	0	1	91.384
80.	Trypanosyllis c.f. parvidentat	1	1	1.000	0.25	1	0	1	91.525
81.	Kurtziella	1	1	1.000	0.25	1	0	1	91.667
82.	Cadulus sp	1	1	1.000	0.25	1	0	1	91.808
83.	Sarsonuphis hartmanae	1	1	1.000	0.25	1	0	1	91.949
84.	Spiophanes sp	1	1	1.000	0.25	1	0	1	92.090
85.	Ancistrosyllis papillosa	1	1	1.000	0.25	1	0	1	92.232
86.	Phylo felix	1	1	1.000	0.25	1	0	1	92.373
87.	Oxyurostylis salinoi	1	1	1.000	0.25	1	0	1	92.514
88.	Gyptis brevipalpa	1	1	1.000	0.25	1	0	1	92.655
89.	Notomastus deueri	1	1	1.000	0.25	1	0	1	92.797
90.	Bocardiella sp A	1	1	1.000	0.25	1	0	1	92.938
91.	Notomastus americanus	1	1	1.000	0.25	1	0	1	93.079
92.	Aricidea cerrutii	1	1	1.000	0.25	1	0	1	93.220
93.	Myriolenia californ	1	1	1.000	0.25	1	0	1	93.362
94.	Nereis grayi	1	1	1.000	0.25	1	0	1	93.503
95.	Aplacophora	1	1	1.000	0.25	1	0	1	93.644
96.	Scaphopod	1	1	1.000	0.25	1	0	1	93.785
97.	Nephtys cryptomma	1	1	1.000	0.25	1	0	1	93.827
98.	Shrimp (headless)	1	1	1.000	0.25	1	0	1	94.068
99.	Tauberia oligobranchiata	1	1	1.000	0.25	1	0	1	94.209
100.	Bivalvia (Amygdalum?)	1	1	1.000	0.25	1	0	1	94.350
101.	Aspidosiphon	1	1	1.000	0.25	1	0	1	94.492
102.	Notomastus lobatus	1	1	1.000	0.25	1	0	1	94.633
103.	Notomastus hemipodus	1	1	1.000	0.25	1	0	1	94.774
104.	Polyodontes lupina	1	1	1.000	0.25	1	0	1	94.915
105.	Talorchestia sp	1	1	1.000	0.25	1	0	1	95.056
106.	Cheatozone sp A	1	1	1.000	0.25	1	0	1	95.198
107.	Eurythoe sp	1	1	1.000	0.25	1	0	1	95.339
108.	Lovenella grandis (col)	1	1	1.000	0.25	1	0	1	95.480
109.	Schistomeringos cf rudolphi	1	1	1.000	0.25	1	0	1	95.621
110.	Nephtys picta	1	1	1.000	0.25	1	0	1	95.763

111. Euceramus praelongus	1	1	1.000	0.25	1	0	1	95.904
112. Echiuroidea cf thalassema	1	1	1.000	0.25	1	0	1	96.045
113. Glycera sp C	1	1	1.000	0.25	1	0	1	96.186
114. Drilonereis longa	1	1	1.000	0.25	1	0	1	96.328
115. Solen	1	1	1.000	0.25	1	0	1	96.469
116. Bryozoa	1	1	1.000	0.25	1	0	1	96.610
117. Mastobranchus c.f. sp A	1	1	1.000	0.25	1	0	1	96.751
118. Tanald	1	1	1.000	0.25	1	0	1	96.893
119. Pinnixa lunzi	1	1	1.000	0.25	1	0	1	97.034
120. Diopatra cuprea	1	1	1.000	0.25	1	0	1	97.175
121. Branchiostoma	1	1	1.000	0.25	1	0	1	97.316
122. Owenia cf fusiformis	1	1	1.000	0.25	1	0	1	97.458
123. Cossura soyeri	1	1	1.000	0.25	1	0	1	97.599
124. Euchone c.f. southern	1	1	1.000	0.25	1	0	1	97.740
125. Axiothella mucosa	1	1	1.000	0.25	1	0	1	97.881
126. Tauberia oculata	1	1	1.000	0.25	1	0	1	98.023
127. Minuspio sp A	1	1	1.000	0.25	1	0	1	98.164
128. Harmothoe sp B	1	1	1.000	0.25	1	0	1	98.305
129. Chone americana	1	1	1.000	0.25	1	0	1	98.446
130. Aspidosiphon cf speciosus	1	1	1.000	0.25	1	0	1	98.588
131. Amparete c.f. irana heterobran	1	1	1.000	0.25	1	0	1	98.729
132. Moorenuphis pallidula	1	1	1.000	0.25	1	0	1	98.870
133. Anaitides groenlandica	1	1	1.000	0.25	1	0	1	99.011
134. Owenia sp A	1	1	1.000	0.25	1	0	1	99.153
135. Hydroides protulicula	1	1	1.000	0.25	1	0	1	99.294
136. Ancistrosyllis cf groenlandica	1	1	1.000	0.25	1	0	1	99.435
137. Anemone (holothuroid like)	1	1	1.000	0.25	1	0	1	99.576
138. Ancistrosyllis sp a	1	1	1.000	0.25	1	0	1	99.718
139. Abra Aequalis	1	1	1.000	0.25	1	0	1	99.859
140. Petaloproctus sp	1	1	1.000	0.25	1	0	1	100.000
141. Phoronid frag.	0	0	.	0.00	0	0	.	100.000
142. Ptilargis sp	0	0	.	0.00	0	0	.	100.000
143. Volvulella texasiana	0	0	.	0.00	0	0	.	100.000
144. Pinnixa sayana	0	0	.	0.00	0	0	.	100.000
145. Tauberia gracilis	0	0	.	0.00	0	0	.	100.000
146. Polynoidae sp b	0	0	.	0.00	0	0	.	100.000
147. Lumbrineris latreilli	0	0	.	0.00	0	0	.	100.000
148. Maldane sp	0	0	.	0.00	0	0	.	100.000
149. Tellina versicolor	0	0	.	0.00	0	0	.	100.000
150. Magalona sp I	0	0	.	0.00	0	0	.	100.000
151. Spiophanes c.f. missionensis	0	0	.	0.00	0	0	.	100.000
152. Lucina pectinata	0	0	.	0.00	0	0	.	100.000
153. Scalibregma inflatum	0	0	.	0.00	0	0	.	100.000
154. Lepidactylus triarticulatus	0	0	.	0.00	0	0	.	100.000
155. Spiocarcinus lobatus	0	0	.	0.00	0	0	.	100.000
156. Ophiopragmus cf pulcher	0	0	.	0.00	0	0	.	100.000
157. Nuculana sp	0	0	.	0.00	0	0	.	100.000
158. Pectinaria sp	0	0	.	0.00	0	0	.	100.000
159. Goneplacidae	0	0	.	0.00	0	0	.	100.000
160. Phoxocephalidae	0	0	.	0.00	0	0	.	100.000
161. Prionospio (minuspio) sp	0	0	.	0.00	0	0	.	100.000
162. Sicyonia sp	0	0	.	0.00	0	0	.	100.000
163. Tachytrypae jeffreysii	0	0	.	0.00	0	0	.	100.000
164. Shrimp	0	0	.	0.00	0	0	.	100.000
165. Sthenelanelia sp A	0	0	.	0.00	0	0	.	100.000
166. Cossura sp A	0	0	.	0.00	0	0	.	100.000
167. Tharyx c.f. annulosus	0	0	.	0.00	0	0	.	100.000
168. Collembola sp	0	0	.	0.00	0	0	.	100.000
169. Emerita sp (mitchell)	0	0	.	0.00	0	0	.	100.000



170.	Coleoptera b (mitchell)	0	0	0.00	0	0	100.000
171.	Spilocuma sp	0	0	0.00	0	0	100.000
172.	Hemipodus sp	0	0	0.00	0	0	100.000
173.	Sipunculida	0	0	0.00	0	0	100.000
174.	Wacerera	0	0	0.00	0	0	100.000
175.	Gastropoda unid	0	0	0.00	0	0	100.000
176.	Chaetozone sp D	0	0	0.00	0	0	100.000
177.	Decamastus sp A	0	0	0.00	0	0	100.000
178.	Decamastus c.f. gracilis	0	0	0.00	0	0	100.000
179.	Chaetozone sp (frag)	0	0	0.00	0	0	100.000
180.	Septibranch	0	0	0.00	0	0	100.000
181.	Magelona sp E	0	0	0.00	0	0	100.000
182.	Litocorsa cf strema	0	0	0.00	0	0	100.000
183.	Capitellidae (frag)	0	0	0.00	0	0	100.000
184.	Ophiuroid	0	0	0.00	0	0	100.000
185.	Tauberia reducta	0	0	0.00	0	0	100.000
186.	Kinbergoruphis sp A	0	0	0.00	0	0	100.000
187.	Donax romeri	0	0	0.00	0	0	100.000
188.	Cirriformia sp	0	0	0.00	0	0	100.000
189.	Notomastus tenuis	0	0	0.00	0	0	100.000
190.	Bryozoa	0	0	0.00	0	0	100.000
191.	Lumbrineris ispatiens	0	0	0.00	0	0	100.000
192.	Turbellaria, eyes around tenta	0	0	0.00	0	0	100.000
193.	Bivalvia unid	0	0	0.00	0	0	100.000
194.	Ninoe sp B	0	0	0.00	0	0	100.000
195.	Goniada c.f. brunnea	0	0	0.00	0	0	100.000
196.	Barantolia sp A	0	0	0.00	0	0	100.000
197.	AxiptHELLa mucosa	0	0	0.00	0	0	100.000
198.	Photis macromanus	0	0	0.00	0	0	100.000
199.	Glycera sp F	0	0	0.00	0	0	100.000
200.	Nemertean (mitchell)	0	0	0.00	0	0	100.000
201.	Lumbrineris sp D	0	0	0.00	0	0	100.000
202.	Bryozoa (encrusting)	0	0	0.00	0	0	100.000
203.	Gerridae (mitchell)	0	0	0.00	0	0	100.000
204.	Nemertea (yellow line)	0	0	0.00	0	0	100.000
205.	Sigambra sp	0	0	0.00	0	0	100.000
206.	Talorchestia barabrae	0	0	0.00	0	0	100.000
207.	Nematoda	0	0	0.00	0	0	100.000
208.	Eunicidae	0	0	0.00	0	0	100.000
209.	Euclymene sp B	0	0	0.00	0	0	100.000
210.	Aricidea (aricidea) longicirra	0	0	0.00	0	0	100.000
211.	Aricidea (allia) trilobita	0	0	0.00	0	0	100.000
212.	Monoculodes edwardsi	0	0	0.00	0	0	100.000
213.	Maira atropos	0	0	0.00	0	0	100.000
214.	Bunodactis texensis	0	0	0.00	0	0	100.000
215.	Bubble shell	0	0	0.00	0	0	100.000
216.	Penaeid	0	0	0.00	0	0	100.000
217.	Megalomma bioculatum	0	0	0.00	0	0	100.000
218.	Diplodonta sp	0	0	0.00	0	0	100.000
219.	Diopatra tridentata	0	0	0.00	0	0	100.000
220.	Aricidea taylori	0	0	0.00	0	0	100.000
221.	Anachis obesa	0	0	0.00	0	0	100.000
222.	Amphipoda, un id	0	0	0.00	0	0	100.000
223.	Magelona sp L	0	0	0.00	0	0	100.000
224.	Ampharete americana	0	0	0.00	0	0	100.000
225.	Ampelisca agassizi	0	0	0.00	0	0	100.000
226.	Magelon sp I	0	0	0.00	0	0	100.000
227.	Coleoptera c (mitchell)	0	0	0.00	0	0	100.000

228. Alpheus floridanus	0	0	.	0.00	0	0	.	100.000
229. Coleoptera a (mitchell)	0	0	.	0.00	0	0	.	100.000
230. Bryozoa col.	0	0	.	0.00	0	0	.	100.000
231. Abra aequalis	0	0	.	0.00	0	0	.	100.000
232. Lumbrineris sp C	0	0	.	0.00	0	0	.	100.000

TOTAL # OBSERVATIONS = 4  
 TOTAL # OCCURRENCES = 198  
 TOTAL COUNT = 708  
 CUM% BASED ON TOTAL

SORT BASED ON #OCC AND TOTAL

## MACROINFAUNA SPECIES FROM CRUISE O BY TRANSECT

TRAN-D

## PARAMETERS

VARIABLE	#OCC	TOTAL	#/OCC	MEAN	MAX	MIN	MIN>0	CUM%
1. Paraprionospio pinnata	3	25	8.333	6.25	18	0	3	8.651
2. Prionospio pygmaea	3	9	3.000	2.25	6	0	1	11.765
3. Paralacydonia paradoxa	2	21	10.500	5.25	11	0	10	19.031
4. Tharyx marioni	2	15	7.500	3.75	11	0	4	24.221
5. Golfingia cf trichocephala	2	12	6.000	3.00	11	0	1	28.374
6. Nephtys incisa	2	10	5.000	2.50	8	0	2	31.834
7. Lumbrineris verrilli	2	8	4.000	2.00	7	0	1	34.602
8. Solenogaster	2	6	3.000	1.50	5	0	1	36.678
9. Tachytrypane jeffreysii	2	5	2.500	1.25	4	0	1	38.408
10. Micropholis atra	2	3	1.500	0.75	2	0	1	39.446
11. Shrimp	2	3	1.500	0.75	2	0	1	40.484
12. Cumacea	2	3	1.500	0.75	2	0	1	41.522
13. Chaetozone sp A	2	2	1.000	0.50	1	0	1	42.215
14. Ancistrosyllis cf groenlandica	2	2	1.000	0.50	1	0	1	42.907
15. Oligochaeta	2	2	1.000	0.50	1	0	1	43.599
16. Ampelisca abdita	2	2	1.000	0.50	1	0	1	44.291
17. Armandia maculata	2	2	1.000	0.50	1	0	1	44.983
18. Amphipoda	2	2	1.000	0.50	1	0	1	45.675
19. Anaitides mucosa	2	2	1.000	0.50	1	0	1	46.367
20. Malacoceros vanderhorsti	2	2	1.000	0.50	1	0	1	47.059
21. Cirrophorus lyra	2	2	1.000	0.50	1	0	1	47.751
22. Sigambra tentaculata	1	17	17.000	4.25	17	0	17	53.633
23. Ophiophragmus cf pulcher	1	10	10.000	2.50	10	0	10	57.093
24. Bryozoa (encrusting)	1	10	10.000	2.50	10	0	10	60.554
25. Abra aequalis	1	9	9.000	2.25	9	0	9	63.668
26. Nematoda	1	7	7.000	1.75	7	0	7	66.090
27. Sipunculida	1	6	6.000	1.50	6	0	6	68.166
28. Cossura soyeri	1	6	6.000	1.50	6	0	6	70.242
29. Golfingia	1	5	5.000	1.25	5	0	5	71.972
30. Euclymene sp	1	3	3.000	0.75	3	0	3	73.010
31. Foraminifera	1	3	3.000	0.75	3	0	3	74.048
32. Prionospio cristata	1	3	3.000	0.75	3	0	3	75.087
33. Magelona sp L	1	3	3.000	0.75	3	0	3	76.125
34. Spiophanes bombyx	1	3	3.000	0.75	3	0	3	77.163
35. Ampharete americana	1	3	3.000	0.75	3	0	3	78.201
36. Sicyonia sp	1	2	2.000	0.50	2	0	2	78.893
37. Paguridae	1	2	2.000	0.50	2	0	2	79.585
38. Aricidea cerrutii	1	2	2.000	0.50	2	0	2	80.277
39. Phoxocephalidae	1	2	2.000	0.50	2	0	2	80.969
40. Ceratocephale oculata	1	2	2.000	0.50	2	0	2	81.661
41. Ophiuroid	1	2	2.000	0.50	2	0	2	82.353
42. Notomastus hemipodus	1	2	2.000	0.50	2	0	2	83.045
43. Onuphis sp a	1	2	2.000	0.50	2	0	2	83.737
44. Lumbrineris sp C	1	2	2.000	0.50	2	0	2	84.429
45. Nemertea	1	2	2.000	0.50	2	0	2	85.121
46. Notomastus deueri	1	1	1.000	0.25	1	0	1	85.467
47. Polyodontes lupina	1	1	1.000	0.25	1	0	1	85.813
48. Cerebratulus lacteus	1	1	1.000	0.25	1	0	1	86.159

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49. Eunicidae	†	†	1.000	0.25	†	0	†	86.505
50. Anemone (holothuroid like)	†	†	1.000	0.25	†	0	†	86.851
51. Capitellidae (frag)	†	†	1.000	0.25	†	0	†	87.197
52. Aricidea (acmira) philibinae	†	†	1.000	0.25	†	0	†	87.543
53. Scalibregma inflatum	†	†	1.000	0.25	†	0	†	87.889
54. Sarsonuphis hartmanae	†	†	1.000	0.25	†	0	†	88.235
55. Coleoptera a (mitchell)	†	†	1.000	0.25	†	0	†	88.581
56. Tauberia oligobranchiata	†	†	1.000	0.25	†	0	†	88.927
57. Litocorsa cf stremma	†	†	1.000	0.25	†	0	†	89.273
58. Barantolla sp A	†	†	1.000	0.25	†	0	†	89.619
59. Prionospio (minuspio) sp	†	†	1.000	0.25	†	0	†	89.965
60. Lumbrineris latrielli	†	†	1.000	0.25	†	0	†	90.311
61. Maldane sp	†	†	1.000	0.25	†	0	†	90.657
62. Bocardella sp A	†	†	1.000	0.25	†	0	†	91.003
63. Notomastus americanus	†	†	1.000	0.25	†	0	†	91.349
64. Nereis micromma	†	†	1.000	0.25	†	0	†	91.696
65. Bivalvia	†	†	1.000	0.25	†	0	†	92.042
66. Ampelisca agassizi	†	†	1.000	0.25	†	0	†	92.388
67. Phyto felix	†	†	1.000	0.25	†	0	†	92.734
68. Gyptis vittata	†	†	1.000	0.25	†	0	†	93.080
69. Tauberia reducta	†	†	1.000	0.25	†	0	†	93.426
70. Bunodactis texensis	†	†	1.000	0.25	†	0	†	93.772
71. Tauberia gracilis	†	†	1.000	0.25	†	0	†	94.118
72. Lumbrineris sp D	†	†	1.000	0.25	†	0	†	94.464
73. Tanaidacea	†	†	1.000	0.25	†	0	†	94.810
74. Lumbrineris sp b	†	†	1.000	0.25	†	0	†	95.156
75. Nemertea (yellow banded)	†	†	1.000	0.25	†	0	†	95.502
76. Lumbrineris impatiens	†	†	1.000	0.25	†	0	†	95.848
77. Anachis obesa	†	†	1.000	0.25	†	0	†	96.194
78. Kinbergonuphis sp A	†	†	1.000	0.25	†	0	†	96.540
79. Sthenelanelia sp A	†	†	1.000	0.25	†	0	†	96.886
80. Loinia medusa	†	†	1.000	0.25	†	0	†	97.232
81. Bryozoa	†	†	1.000	0.25	†	0	†	97.578
82. Chone americana	†	†	1.000	0.25	†	0	†	97.924
83. Chaetozoa sp D	†	†	1.000	0.25	†	0	†	98.270
84. Sigambra sp	†	†	1.000	0.25	†	0	†	98.616
85. Bryozoa col.	†	†	1.000	0.25	†	0	†	98.962
86. Cossura sp A	†	†	1.000	0.25	†	0	†	99.308
87. Nemertea (yellow line)	†	†	1.000	0.25	†	0	†	99.654
88. Bubble shell	†	†	1.000	0.25	†	0	†	100.000
89. Tharyx setigera	0	0	.	0.00	0	0	.	100.000
90. Spiocarcinus lobatus	0	0	.	0.00	0	0	.	100.000
91. Phoronid frag.	0	0	.	0.00	0	0	.	100.000
92. Petaloproctus sp	0	0	.	0.00	0	0	.	100.000
93. Trypanosyllis c.f. parvidentat	0	0	.	0.00	0	0	.	100.000
94. Nemertea frags.	0	0	.	0.00	0	0	.	100.000
95. Telothelepus c.f. capensis	0	0	.	0.00	0	0	.	100.000
96. Tellina versicolor	0	0	.	0.00	0	0	.	100.000
97. Nephtys cryptomma	0	0	.	0.00	0	0	.	100.000
98. Spilocuma sp	0	0	.	0.00	0	0	.	100.000
99. Nemertean	0	0	.	0.00	0	0	.	100.000
100. Schistomerings cf rudolphi	0	0	.	0.00	0	0	.	100.000
101. Megalomma bioculatum	0	0	.	0.00	0	0	.	100.000
102. Tanaid	0	0	.	0.00	0	0	.	100.000
103. Scaphopod	0	0	.	0.00	0	0	.	100.000
104. Moira atropos	0	0	.	0.00	0	0	.	100.000
105. Septibranch	0	0	.	0.00	0	0	.	100.000
106. Pinnixa sayana	0	0	.	0.00	0	0	.	100.000
107. Myriolenia californ	0	0	.	0.00	0	0	.	100.000
108. Ostracoda	0	0	.	0.00	0	0	.	100.000
109. Mooreonuphis c.f. nebulosa	0	0	.	0.00	0	0	.	100.000

110. Nephthys picta	0	0	0.00	0	0	100.000
111. Photis macromanus	0	0	0.00	0	0	100.000
112. Macoma sp	0	0	0.00	0	0	100.000
113. Nemertean (mitchell)	0	0	0.00	0	0	100.000
114. Prionospio fallax	0	0	0.00	0	0	100.000
115. Solen	0	0	0.00	0	0	100.000
116. Pectinaria sp	0	0	0.00	0	0	100.000
117. Notomastus lobatus	0	0	0.00	0	0	100.000
118. Turbellaria, eyes around tenta	0	0	0.00	0	0	100.000
119. Shrimp (headless)	0	0	0.00	0	0	100.000
120. Lumbrineris ernesti	0	0	0.00	0	0	100.000
121. Oxyurostylis salinot	0	0	0.00	0	0	100.000
122. Lovenella grandis (col)	0	0	0.00	0	0	100.000
123. Mooreonuphis pallidula	0	0	0.00	0	0	100.000
124. Tharyx c.f. annulosus	0	0	0.00	0	0	100.000
125. Lepidactylus triarticulatus	0	0	0.00	0	0	100.000
126. Laonice cirrata	0	0	0.00	0	0	100.000
127. Minuspio sp A	0	0	0.00	0	0	100.000
128. Lumbrineris sp E	0	0	0.00	0	0	100.000
129. Tauberia oculata	0	0	0.00	0	0	100.000
130. Hemipodus sp	0	0	0.00	0	0	100.000
131. Harmothoe sp B	0	0	0.00	0	0	100.000
132. Marphysa belli	0	0	0.00	0	0	100.000
133. Volvulella texasiana	0	0	0.00	0	0	100.000
134. Talorchestia barsbrae	0	0	0.00	0	0	100.000
135. Goniadella sp A	0	0	0.00	0	0	100.000
136. Ninoe sp B	0	0	0.00	0	0	100.000
137. Spiophanes c.f. missionensis	0	0	0.00	0	0	100.000
138. Spiophanes sp	0	0	0.00	0	0	100.000
139. Spiophanes c.f. wigley	0	0	0.00	0	0	100.000
140. Macoma tenta	0	0	0.00	0	0	100.000
141. Glycera sp F	0	0	0.00	0	0	100.000
142. Glycera sp C	0	0	0.00	0	0	100.000
143. Glycera americana	0	0	0.00	0	0	100.000
144. Nemerites, 2 purple bands	0	0	0.00	0	0	100.000
145. Gerridae (mitchell)	0	0	0.00	0	0	100.000
146. Haemulon aurolineatum	0	0	0.00	0	0	100.000
147. Talorchestia sp	0	0	0.00	0	0	100.000
148. Exogone dispar	0	0	0.00	0	0	100.000
149. Eurythoe sp	0	0	0.00	0	0	100.000
150. Lucina pectinata	0	0	0.00	0	0	100.000
151. Euclymene sp B	0	0	0.00	0	0	100.000
152. Scoloplos acmeceps	0	0	0.00	0	0	100.000
153. Euchone c.f. southern	0	0	0.00	0	0	100.000
154. Euceramus praelongus	0	0	0.00	0	0	100.000
155. Emerita sp (mitchell)	0	0	0.00	0	0	100.000
156. Echiuroidea cf thalassema	0	0	0.00	0	0	100.000
157. Pseudeurythde paucibranchiata	0	0	0.00	0	0	100.000
158. Donax texasiana	0	0	0.00	0	0	100.000
159. Donax romeri	0	0	0.00	0	0	100.000
160. Diplodonta sp	0	0	0.00	0	0	100.000
161. Diopatra tridentata	0	0	0.00	0	0	100.000
162. Diopatra cuprea	0	0	0.00	0	0	100.000
163. Polynoidae sp b	0	0	0.00	0	0	100.000
164. Decamastus c.f. gracilis	0	0	0.00	0	0	100.000
165. Goniada littorea	0	0	0.00	0	0	100.000

166.	<i>Pilargis</i> sp	0	0	0.00	0	0	100.000
167.	Goneplacidae	0	0	0.00	0	0	100.000
168.	Collembola sp	0	0	0.00	0	0	100.000
169.	Coleoptera c (mitchell)	0	0	0.00	0	0	100.000
170.	Coleoptera b (mitchell)	0	0	0.00	0	0	100.000
171.	<i>Phascolion strombi</i>	0	0	0.00	0	0	100.000
172.	<i>Clymenella torquata calida</i>	0	0	0.00	0	0	100.000
173.	<i>Glottidia pyramidata</i>	0	0	0.00	0	0	100.000
174.	<i>Cirriiformia</i> sp	0	0	0.00	0	0	100.000
175.	<i>Xenanthura brevitelson</i>	0	0	0.00	0	0	100.000
176.	<i>Wacerera</i>	0	0	0.00	0	0	100.000
177.	<i>Chaetozone</i> sp C	0	0	0.00	0	0	100.000
178.	<i>Oxyurostylis smithi</i>	0	0	0.00	0	0	100.000
179.	<i>Chaetozone</i> sp (frag)	0	0	0.00	0	0	100.000
180.	<i>Ovenia</i> sp A	0	0	0.00	0	0	100.000
181.	<i>Ovenia</i> cf fusiformis	0	0	0.00	0	0	100.000
182.	<i>Caulierella</i> c.f. zelandica	0	0	0.00	0	0	100.000
183.	<i>Ophiuroid</i> frags	0	0	0.00	0	0	100.000
184.	<i>Cadulus</i> sp	0	0	0.00	0	0	100.000
185.	<i>Kurtziella</i>	0	0	0.00	0	0	100.000
186.	<i>Dylonereis longa</i>	0	0	0.00	0	0	100.000
187.	<i>Hydroides protulicula</i>	0	0	0.00	0	0	100.000
188.	<i>Nuculana</i> sp	0	0	0.00	0	0	100.000
189.	<i>Notomastus tenuis</i>	0	0	0.00	0	0	100.000
190.	Bryozoa	0	0	0.00	0	0	100.000
191.	Branchiostoma	0	0	0.00	0	0	100.000
192.	<i>Gyptis brevipes</i>	0	0	0.00	0	0	100.000
193.	Bivalvia unid	0	0	0.00	0	0	100.000
194.	Bivalvia ( <i>Amygdalum?</i> )	0	0	0.00	0	0	100.000
195.	<i>Goniada</i> c.f. brunnea	0	0	0.00	0	0	100.000
196.	<i>Nereis grayi</i>	0	0	0.00	0	0	100.000
197.	<i>Axiopthella mucosa</i>	0	0	0.00	0	0	100.000
198.	<i>Axiopthella</i> sp A	0	0	0.00	0	0	100.000
199.	<i>Axiopthella</i> sp	0	0	0.00	0	0	100.000
200.	<i>Axiopthella mucosa</i>	0	0	0.00	0	0	100.000
201.	<i>Asychis elongata</i>	0	0	0.00	0	0	100.000
202.	<i>Aspidosiphon</i> cf speciosus	0	0	0.00	0	0	100.000
203.	<i>Aspidosiphon</i>	0	0	0.00	0	0	100.000
204.	Gastropoda unid	0	0	0.00	0	0	100.000
205.	<i>Armadia agilis</i>	0	0	0.00	0	0	100.000
206.	<i>Aricidea taylori</i>	0	0	0.00	0	0	100.000
207.	<i>Aricidea fragilis</i>	0	0	0.00	0	0	100.000
208.	<i>Nassarius acutus</i>	0	0	0.00	0	0	100.000
209.	<i>Aricidea</i> c.f. pseudoarticulata	0	0	0.00	0	0	100.000
210.	<i>Aricidea</i> ( <i>aricidea</i> ) longicirra	0	0	0.00	0	0	100.000
211.	<i>Aricidea</i> ( <i>allia</i> ) trilobita	0	0	0.00	0	0	100.000
212.	<i>Monoculodes edwardsi</i>	0	0	0.00	0	0	100.000
213.	Aplacophora	0	0	0.00	0	0	100.000
214.	Anthurid ( <i>cyathura?</i> )	0	0	0.00	0	0	100.000
215.	<i>Microspio pigmentata</i>	0	0	0.00	0	0	100.000
216.	<i>Ancistrostylis</i> sp a	0	0	0.00	0	0	100.000
217.	<i>Ancistrostylis papillosa</i>	0	0	0.00	0	0	100.000
218.	<i>Mediomastus californiensis</i>	0	0	0.00	0	0	100.000
219.	<i>Mastobranchus</i> c.f. sp A	0	0	0.00	0	0	100.000
220.	<i>Anaitides groenlandica</i>	0	0	0.00	0	0	100.000

221. Decapastus sp A	0	0	.	0.00	0	0	.	100.000
222. Amphipoda, un id	0	0	.	0.00	0	0	.	100.000
223. Pinnixa lunzi	0	0	.	0.00	0	0	.	100.000
224. Magelona sp I	0	0	.	0.00	0	0	.	100.000
225. Magelona sp E	0	0	.	0.00	0	0	.	100.000
226. Magelon sp I	0	0	.	0.00	0	0	.	100.000
227. Amparete c.f. Inana heterobran	0	0	.	0.00	0	0	.	100.000
228. Alpheus floridanus	0	0	.	0.00	0	0	.	100.000
229. Aglaophamus verrilli	0	0	.	0.00	0	0	.	100.000
230. Abra Aequalis	0	0	.	0.00	0	0	.	100.000
231. Penaeid	0	0	.	0.00	0	0	.	100.000
232. c.f. Scolecolepides	0	0	.	0.00	0	0	.	100.000

TOTAL # OBSERVATIONS = 4  
 TOTAL # OCCURRENCES = 111  
 TOTAL COUNT = 289  
 CUM% BASED ON TOTAL

## Demersal Fish Taxonomy



## NEKTON SPECIES FROM CRUISE O BY TRANSECT

TRAN=C

## PARAMETERS

VARIABLE	#OCC	TOTAL	#/OCC	MEAN	MAX	MIN	MIN>0	CUMX
1. <i>Halleutichthys aculeatus</i>	4	348	87.000	69.6	240	0	1	35.116
2. <i>Stenotomus caprinus</i>	4	28	7.000	5.6	13	0	2	37.941
3. <i>Prionotus rubio</i>	4	21	5.250	4.2	7	0	4	40.061
4. <i>Synodus foetens</i>	4	19	4.750	3.8	7	0	3	41.978
5. <i>Syacium gunteri</i>	3	32	10.667	6.4	27	0	1	45.207
6. <i>Engyophrys senta</i>	3	24	8.000	4.8	18	0	2	47.629
7. <i>Centropristis philadelphic</i>	3	19	6.333	3.8	12	0	2	49.546
8. <i>Symphurus diomedianus</i>	3	15	5.000	3.0	8	0	3	51.060
9. <i>Serranus atrobranchus</i>	2	73	36.500	14.6	69	0	4	58.426
10. <i>Pontinus longispinis</i>	2	46	23.000	9.2	45	0	1	63.068
11. <i>Trichopsetta ventralis</i>	2	41	20.500	8.2	40	0	1	67.205
12. <i>Saurida brasiliensis</i>	2	15	7.500	3.0	11	0	4	68.718
13. <i>Etropus crossotus</i>	2	11	5.500	2.2	9	0	2	69.828
14. <i>Syacium papillosum</i>	2	9	4.500	1.8	7	0	2	70.737
15. <i>Pristipomoides aquilonaris</i>	2	9	4.500	1.8	5	0	4	71.645
16. <i>Scorpaena calcarata</i>	2	8	4.000	1.6	7	0	1	72.452
17. <i>Porichthys plectrodon</i>	2	6	3.000	1.2	5	0	1	73.058
18. <i>Prionotus paralatus</i>	2	6	3.000	1.2	4	0	2	73.663
19. <i>Prionotus salmonicolor</i>	2	2	1.000	0.4	1	0	1	73.865
20. <i>Bregmaceros atlanticus</i>	1	97	97.000	19.4	97	0	97	83.653
21. <i>Sphaeroides parvus</i>	1	49	49.000	9.8	49	0	49	88.597
22. <i>Symphurus plagiosa</i>	1	34	34.000	6.8	34	0	34	92.028
23. <i>Anchoa hepsetus</i>	1	10	10.000	2.0	10	0	10	93.037
24. <i>Diplectrum bivittatum</i>	1	10	10.000	2.0	10	0	10	94.046
25. <i>Symphurus civitatus</i>	1	9	9.000	1.8	9	0	9	94.955
26. <i>Hoplunnis macrurus</i>	1	5	5.000	1.0	5	0	5	95.459
27. <i>Gymnachirus texae</i>	1	5	5.000	1.0	5	0	5	95.964
28. <i>Caulolatilus intermedius</i>	1	5	5.000	1.0	5	0	5	96.468
29. <i>Micropogonias undulatus</i>	1	3	3.000	0.6	3	0	3	96.771
30. <i>Citharichthys cornutus</i>	1	3	3.000	0.6	3	0	3	97.074
31. <i>Symphurus parvus</i>	1	3	3.000	0.6	3	0	3	97.376
32. <i>Gymnothorax nigromarginatu</i>	1	3	3.000	0.6	3	0	3	97.679
33. <i>Kathetostoma albigutta</i>	1	3	3.000	0.6	3	0	3	97.982
34. <i>Ancylopsetta dilecta</i>	1	3	3.000	0.6	3	0	3	98.285
35. <i>Prionotus roseus</i>	1	2	2.000	0.4	2	0	2	98.486
36. <i>Urophycis cirratus</i>	1	2	2.000	0.4	2	0	2	98.688
37. <i>Syngnathus louisianae</i>	1	2	2.000	0.4	2	0	2	98.890
38. <i>Trachinocephalus myops</i>	1	2	2.000	0.4	2	0	2	99.092
39. <i>Hoplunnis tenuis</i>	1	2	2.000	0.4	2	0	2	99.294
40. <i>Prionotus ophryas</i>	1	1	1.000	0.2	1	0	1	99.395
41. <i>Prionotus tribulus</i>	1	1	1.000	0.2	1	0	1	99.495
42. <i>Leiostomus xanthurus</i>	1	1	1.000	0.2	1	0	1	99.596
43. <i>Cynoscion arenarius</i>	1	1	1.000	0.2	1	0	1	99.697
44. <i>Bellator militaris</i>	1	1	1.000	0.2	1	0	1	99.798
45. <i>Antennarius radiosus</i>	1	1	1.000	0.2	1	0	1	99.899
46. <i>Lutjanus campechanus</i>	1	1	1.000	0.2	1	0	1	100.000
47. <i>Lepopidium jeanne</i>	0	0		0.0	0	0		100.000
48. <i>Paralichthys squamilentus</i>	0	0		0.0	0	0		100.000

49. <i>Synodus poeyi</i>	0	0	0.0	0	0	100.000
50. <i>Ogcocephylus corniger</i>	0	0	0.0	0	0	100.000
51. <i>Sphoeroides dorsalis</i>	0	0	0.0	0	0	100.000
52. <i>Urophycis floridanus</i>	0	0	0.0	0	0	100.000
53. <i>Serraniculus pumilio</i>	0	0	0.0	0	0	100.000
54. <i>Rhomboplites aurorubens</i>	0	0	0.0	0	0	100.000
55. <i>Ophidion grayi</i>	0	0	0.0	0	0	100.000
56. <i>Harengula jaguana</i>	0	0	0.0	0	0	100.000
57. <i>Raja texana</i>	0	0	0.0	0	0	100.000
58. <i>Cyclopsetta fimbriata</i>	0	0	0.0	0	0	100.000
59. <i>Citharichthys macrops</i>	0	0	0.0	0	0	100.000
60. <i>Prionotus stearnsi</i>	0	0	0.0	0	0	100.000
61. <i>Prionotus scitulus</i>	0	0	0.0	0	0	100.000
62. <i>Orthopristis chrysoptera</i>	0	0	0.0	0	0	100.000
63. <i>Ophidion holbrookii</i>	0	0	0.0	0	0	100.000
64. <i>Decapterus punctatus</i>	0	0	0.0	0	0	100.000
65. <i>Ariopsis felis</i>	0	0	0.0	0	0	100.000
66. <i>Sphoeroides spengleri</i>	0	0	0.0	0	0	100.000
67. <i>Haemulon aurolineatum</i>	0	0	0.0	0	0	100.000
68. <i>Anchoa lyolepis</i>	0	0	0.0	0	0	100.000
69. <i>Peristedion gracile</i>	0	0	0.0	0	0	100.000

TOTAL # OBSERVATIONS = 5  
 TOTAL # OCCURRENCES = 77  
 TOTAL COUNT = 991  
 CUM% BASED ON TOTAL

## NEKTON SPECIES FROM CRUISE O BY TRANSECT:

VARIABLE	PARAMETERS							
	#OCC	TOTAL	#/OCC	MEAN	MAX	MIN	MIN>0	CUM%
1. Stenotomus caprinus	3	58	19.333	19.333	31	13	13	5.961
2. Leiostomus xanthurus	3	44	14.667	14.667	37	1	1	10.483
3. Micropogonias undulatus	3	37	12.333	12.333	28	3	3	14.286
4. Prionotus paralatus	2	227	113.500	75.667	225	0	2	37.616
5. Halieutichthys aculeatus	2	186	93.000	62.000	135	0	51	56.732
6. Scorpaena calcarata	2	45	22.500	15.000	42	0	3	61.357
7. Prionotus rubio	2	38	19.000	12.667	37	0	1	65.262
8. Cynoscion arenarius	2	32	16.000	10.667	30	0	2	68.551
9. Porichthys plectrodon	2	29	14.500	9.667	15	0	14	71.531
10. Centropristis philadelphic	2	11	5.500	3.667	8	0	3	72.662
11. Symphurus diomedianus	2	9	4.500	3.000	8	0	1	73.587
12. Diplectrum bivittatum	2	8	4.000	2.667	6	0	2	74.409
13. Syacium papillosum	1	60	60.000	20.000	60	0	60	80.576
14. Bellator militaris	1	38	38.000	12.667	38	0	38	84.481
15. Haemulon aurolineatum	1	26	26.000	8.667	26	0	26	87.153
16. Prionotus salmonicolor	1	17	17.000	5.667	17	0	17	88.900
17. Rhomboplites aurorubens	1	16	16.000	5.333	16	0	16	90.545
18. Prionotus stearnsi	1	14	14.000	4.667	14	0	14	91.984
19. Synodus foetens	1	9	9.000	3.000	9	0	9	92.909
20. Pontinus longispinis	1	8	8.000	2.667	8	0	8	93.731
21. Peristedion gracile	1	7	7.000	2.333	7	0	7	94.450
22. Ogcocephalus corniger	1	6	6.000	2.000	6	0	6	95.067
23. Ancylosetta dilecta	1	5	5.000	1.667	5	0	5	95.581
24. Trichopsetta ventralis	1	5	5.000	1.667	5	0	5	96.095
25. Paralichthys squamulentus	1	4	4.000	1.333	4	0	4	96.506
26. Urophycis floridanus	1	4	4.000	1.333	4	0	4	96.917
27. Anchoa lyolepis	1	4	4.000	1.333	4	0	4	97.328
28. Etropus crossotus	1	4	4.000	1.333	4	0	4	97.739
29. Prionotus ophryas	1	2	2.000	0.667	2	0	2	97.945
30. Lepophidium jeanne	1	2	2.000	0.667	2	0	2	98.150
31. Engyophrys senta	1	2	2.000	0.667	2	0	2	98.356
32. Gymnachirus texae	1	2	2.000	0.667	2	0	2	98.561
33. Serranus atrobranchus	1	2	2.000	0.667	2	0	2	98.767
34. Sphaeroides dorsalis	1	2	2.000	0.667	2	0	2	98.972
35. Ophidion grayi	1	1	1.000	0.333	1	0	1	99.075
36. Citharichthys macrops	1	1	1.000	0.333	1	0	1	99.178
37. Raja texana	1	1	1.000	0.333	1	0	1	99.281
38. Syacium gunteri	1	1	1.000	0.333	1	0	1	99.383
39. Saurida brasiliensis	1	1	1.000	0.333	1	0	1	99.486
40. Pristipomoides aquilonaris	1	1	1.000	0.333	1	0	1	99.589
41. Decapterus punctatus	1	1	1.000	0.333	1	0	1	99.692
42. Serraniculus pumilio	1	1	1.000	0.333	1	0	1	99.794
43. Sphaeroides parvus	1	1	1.000	0.333	1	0	1	99.897
44. Harengula jaguana	1	1	1.000	0.333	1	0	1	100.000
45. Symphurus plagiusa	0	0	.	0.000	0	0	.	100.000
46. Trachinocephalus myops	0	0	.	0.000	0	0	.	100.000
47. Kathetostoma albigutta	0	0	.	0.000	0	0	.	100.000
48. Hoplunnis tenuis	0	0	.	0.000	0	0	.	100.000
49. Syngnathus louisianae	0	0	.	0.000	0	0	.	100.000
50. Lutjanus campechanus	0	0	.	0.000	0	0	.	100.000

51. <i>Hoplunnis macrurus</i>	0	0	0.000	0	0	100.000
52. <i>Symphurus civitatus</i>	0	0	0.000	0	0	100.000
53. <i>Urophycis cirratus</i>	0	0	0.000	0	0	100.000
54. <i>Orthopristis chrysoptera</i>	0	0	0.000	0	0	100.000
55. <i>Ophidion holbrookii</i>	0	0	0.000	0	0	100.000
56. <i>Synodus poeyi</i>	0	0	0.000	0	0	100.000
57. <i>Sphoeroides spengleri</i>	0	0	0.000	0	0	100.000
58. <i>Cyclopsetta fimbriata</i>	0	0	0.000	0	0	100.000
59. <i>Symphurus parvus</i>	0	0	0.000	0	0	100.000
60. <i>Citharichthys cornutus</i>	0	0	0.000	0	0	100.000
61. <i>Prionotus scitulus</i>	0	0	0.000	0	0	100.000
62. <i>Caulolatilus intermedius</i>	0	0	0.000	0	0	100.000
63. <i>Bregmaceros atlanticus</i>	0	0	0.000	0	0	100.000
64. <i>Prionotus roseus</i>	0	0	0.000	0	0	100.000
65. <i>Ariopsis felis</i>	0	0	0.000	0	0	100.000
66. <i>Antennarius radiosus</i>	0	0	0.000	0	0	100.000
67. <i>Prionotus tribulus</i>	0	0	0.000	0	0	100.000
68. <i>Gymnothorax nigromarginatus</i>	0	0	0.000	0	0	100.000
69. <i>Anchoa hepsetus</i>	0	0	0.000	0	0	100.000

TOTAL # OBSERVATIONS = 3  
 TOTAL # OCCURRENCES = 59  
 TOTAL COUNT = 973  
 CUM% BASED ON TOTAL

SORT BASED ON #OCC AND TOTAL

## NEKTON SPECIES FROM CRUISE O BY TRANSECT;

TRAN=D

## PARAMETERS

VARIABLE	#OCC	TOTAL	#/OCC	MEAN	MAX	MIN	MIN>0	CUM%
1. Syacium papillosum	2	69	34.5	23.000	44	0	25	18.649
2. Diplectrum bivittatum	2	48	24.0	16.000	47	0	1	31.622
3. Stenotomus caprinus	2	41	20.5	13.667	38	0	3	42.703
4. Prionotus salmonicolor	2	12	6.0	4.000	8	0	4	45.946
5. Synodus foetens	2	10	5.0	3.333	9	0	1	48.649
6. Synodus poeyi	1	96	96.0	32.000	96	0	96	74.595
7. Prionotus roseus	1	22	22.0	7.333	22	0	22	80.541
8. Prionotus scitulus	1	15	15.0	5.000	15	0	15	84.595
9. Syacium gunteri	1	9	9.0	3.000	9	0	9	87.027
10. Helleutichthys aculeatus	1	7	7.0	2.333	7	0	7	88.919
11. Sphoeroides spengleri	1	6	6.0	2.000	6	0	6	90.541
12. Ariopsis felis	1	5	5.0	1.667	5	0	5	91.892
13. Pontinus longispinis	1	4	4.0	1.333	4	0	4	92.973
14. Urophycis floridanus	1	3	3.0	1.000	3	0	3	93.784
15. Orthopristis chrysoptera	1	3	3.0	1.000	3	0	3	94.595
16. Anchoa hepsetus	1	3	3.0	1.000	3	0	3	95.405
17. Ophidion holbrooki	1	2	2.0	0.667	2	0	2	95.946
18. Cyclopsetta fimbriata	1	2	2.0	0.667	2	0	2	96.486
19. Bellator militaris	1	2	2.0	0.667	2	0	2	97.027
20. Symphurus plagiata	1	1	1.0	0.333	1	0	1	97.297
21. Scorpaena calcarata	1	1	1.0	0.333	1	0	1	97.568
22. Gymnothorax nigromarginatus	1	1	1.0	0.333	1	0	1	97.838
23. Prionotus ophryas	1	1	1.0	0.333	1	0	1	98.108
24. Centropristis philadelphica	1	1	1.0	0.333	1	0	1	98.378
25. Symphurus diomedianus	1	1	1.0	0.333	1	0	1	98.649
26. Rhomboplites aurorubens	1	1	1.0	0.333	1	0	1	98.919
27. Cynoscion arenarius	1	1	1.0	0.333	1	0	1	99.189
28. Trachinocephalus myops	1	1	1.0	0.333	1	0	1	99.459
29. Ophidion grayi	1	1	1.0	0.333	1	0	1	99.730
30. Saurida brasiliensis	1	1	1.0	0.333	1	0	1	100.000
31. Sphoeroides parvus	0	0	.	0.000	0	0	.	100.000
32. Syngnathus louisianae	0	0	.	0.000	0	0	.	100.000
33. Symphurus parvus	0	0	.	0.000	0	0	.	100.000
34. Urophycis cirratus	0	0	.	0.000	0	0	.	100.000
35. Prionotus rubio	0	0	.	0.000	0	0	.	100.000
36. Symphurus civitatus	0	0	.	0.000	0	0	.	100.000
37. Prionotus tribulus	0	0	.	0.000	0	0	.	100.000
38. Prionotus stearnsi	0	0	.	0.000	0	0	.	100.000
39. Trichopsetta ventralis	0	0	.	0.000	0	0	.	100.000
40. Ogcocephalus corniger	0	0	.	0.000	0	0	.	100.000
41. Porichthys plectrodon	0	0	.	0.000	0	0	.	100.000
42. Lutjanus campechanus	0	0	.	0.000	0	0	.	100.000
43. Serraniculus pumilio	0	0	.	0.000	0	0	.	100.000
44. Paralichthys squamilius	0	0	.	0.000	0	0	.	100.000
45. Kathetostoma albigutta	0	0	.	0.000	0	0	.	100.000
46. Hoplunnis tenuis	0	0	.	0.000	0	0	.	100.000
47. Serranus atrobranchus	0	0	.	0.000	0	0	.	100.000

48. Harengula jaguana	0	0	0.000	0	0	100.000
49. Micropogonias undulatus	0	0	0.000	0	0	100.000
50. Haemulon aurolineatum	0	0	0.000	0	0	100.000
51. Lepophidium jeanne	0	0	0.000	0	0	100.000
52. Gymnarchirus texae	0	0	0.000	0	0	100.000
53. Etropus crossotus	0	0	0.000	0	0	100.000
54. Engyophrys senta	0	0	0.000	0	0	100.000
55. Sphoeroides dorsalis	0	0	0.000	0	0	100.000
56. Decapterus punctatus	0	0	0.000	0	0	100.000
57. Raja texana	0	0	0.000	0	0	100.000
58. Pristipomoides aquilonaris	0	0	0.000	0	0	100.000
59. Citharichthys macrops	0	0	0.000	0	0	100.000
60. Citharichthys cornutus	0	0	0.000	0	0	100.000
61. Leiostomus xanthurus	0	0	0.000	0	0	100.000
62. Caulolatilus intermedius	0	0	0.000	0	0	100.000
63. Bregmaceros atlanticus	0	0	0.000	0	0	100.000
64. Hoplunnis macrurus	0	0	0.000	0	0	100.000
65. Prionotus paralatus	0	0	0.000	0	0	100.000
66. Antennarius radiosus	0	0	0.000	0	0	100.000
67. Ancylosetta dilecta	0	0	0.000	0	0	100.000
68. Anchoa lyolepis	0	0	0.000	0	0	100.000
69. Peristedion gracile	0	0	0.000	0	0	100.000

TOTAL # OBSERVATIONS = 3  
TOTAL # OCCURRENCES = 35  
TOTAL COUNT = 370  
CUM% BASED ON TOTAL

## NEKTON SPECIES FROM CRUISE 1 BY TRANSECT

VARIABLE	TRAN-C							
	#OCC	TOTAL	#/OCC	MEAN	MAX	MIN	MIN>0	CUMX
1. <i>Symphurus civitatus</i>	3	52	17.333	17.333	41	2	2	5.520
2. <i>Porichthys plectrodon</i>	3	13	4.333	4.333	8	2	2	6.900
3. <i>Symphurus diomedianus</i>	3	13	4.333	4.333	7	3	3	8.280
4. <i>Stenotomus caprinus</i>	3	13	4.333	4.333	7	1	1	9.660
5. <i>Haliieutichthys aculeatus</i>	2	343	171.500	114.333	248	0	95	46.072
6. <i>Syacium gunteri</i>	2	173	86.500	57.667	172	0	1	64.437
7. <i>Serranus atrobranchus</i>	2	37	18.500	12.333	28	0	9	68.365
8. <i>Gymnarchirus texae</i>	2	18	9.000	6.000	17	0	1	70.276
9. <i>Centropristis philadelphic</i>	2	15	7.500	5.000	13	0	2	71.868
10. <i>Prionotus rubio</i>	2	9	4.500	3.000	6	0	3	72.824
11. <i>Synodus foetens</i>	2	5	2.500	1.667	3	0	2	73.355
12. <i>Trichopsetta ventralis</i>	1	59	59.000	19.667	59	0	59	79.618
13. <i>Prionotus paralatus</i>	1	37	37.000	12.333	37	0	37	83.546
14. <i>Pontinus longispinis</i>	1	35	35.000	11.667	35	0	35	87.261
15. <i>Bollmannia communis</i>	1	33	33.000	11.000	33	0	33	90.764
16. <i>Diplectrum bivittatum</i>	1	32	32.000	10.667	32	0	32	94.161
17. <i>Etropus crossotus</i>	1	18	18.000	6.000	18	0	18	96.072
18. <i>Cyclopsetta chittendeni</i>	1	6	6.000	2.000	6	0	6	96.709
19. <i>Engyophrys senta</i>	1	4	4.000	1.333	4	0	4	97.134
20. <i>Urophycis cirratus</i>	1	3	3.000	1.000	3	0	3	97.452
21. <i>Neobythites gilli</i>	1	3	3.000	1.000	3	0	3	97.771
22. <i>Caulolatilus intermedius</i>	1	3	3.000	1.000	3	0	3	98.089
23. <i>Sphoeroides spengleri</i>	1	2	2.000	0.667	2	0	2	98.301
24. <i>Ophidion welshii</i>	1	2	2.000	0.667	2	0	2	98.514
25. <i>Pristipomoides squilonaris</i>	1	2	2.000	0.667	2	0	2	98.726
26. <i>Rypticus maculatus</i>	1	1	1.000	0.333	1	0	1	98.832
27. <i>Urophycis floridanus</i>	1	1	1.000	0.333	1	0	1	98.938
28. <i>Hildebrandia flava</i>	1	1	1.000	0.333	1	0	1	99.045
29. <i>Selene vomer</i>	1	1	1.000	0.333	1	0	1	99.151
30. <i>Syacium papillosum</i>	1	1	1.000	0.333	1	0	1	99.257
31. <i>Prionotus stearnsi</i>	1	1	1.000	0.333	1	0	1	99.363
32. <i>Prionotus salmonicolor</i>	1	1	1.000	0.333	1	0	1	99.469
33. <i>Micropogonias undulatus</i>	1	1	1.000	0.333	1	0	1	99.575
34. <i>Bellator militaris</i>	1	1	1.000	0.333	1	0	1	99.682
35. <i>Hoplunnis macrurus</i>	1	1	1.000	0.333	1	0	1	99.788
36. <i>Menticirrhus americanus</i>	1	1	1.000	0.333	1	0	1	99.894
37. <i>Antennarius radiosus</i>	1	1	1.000	0.333	1	0	1	100.000
38. <i>Trachinocephalus myops</i>	0	0	.	0.000	0	0	.	100.000
39. <i>Trachurus lathami</i>	0	0	.	0.000	0	0	.	100.000
40. <i>Peristedion gracile</i>	0	0	.	0.000	0	0	.	100.000
41. <i>Ogcocephylus corniger</i>	0	0	.	0.000	0	0	.	100.000
42. <i>Symphurus plagiose</i>	0	0	.	0.000	0	0	.	100.000
43. <i>Lepophidium jeanne</i>	0	0	.	0.000	0	0	.	100.000
44. <i>Myrophis punctatus</i>	0	0	.	0.000	0	0	.	100.000
45. <i>Paralichthys squamilentus</i>	0	0	.	0.000	0	0	.	100.000
46. <i>Sphoeroides dorsalis</i>	0	0	.	0.000	0	0	.	100.000
47. <i>Paralichthys albigutta</i>	0	0	.	0.000	0	0	.	100.000

48. <i>Cyclopsetta fimbriata</i>	0	0	0.000	0	0	100.000
49. <i>Ogcocephalus declivirostris</i>	0	0	0.000	0	0	100.000
50. <i>Pristigenys altus</i>	0	0	0.000	0	0	100.000
51. <i>Chloroscombrus chrysurus</i>	0	0	0.000	0	0	100.000
52. <i>Sphaeroides parvus</i>	0	0	0.000	0	0	100.000
53. <i>Symphurus parvus</i>	0	0	0.000	0	0	100.000
54. <i>Prionotus scitulus</i>	0	0	0.000	0	0	100.000
55. <i>Brotula barbata</i>	0	0	0.000	0	0	100.000
56. <i>Scorpaena dispar</i>	0	0	0.000	0	0	100.000
57. <i>Citharichthys cornutus</i>	0	0	0.000	0	0	100.000
58. <i>Apogon pseudomaculatus</i>	0	0	0.000	0	0	100.000
59. <i>Chaetodon aya</i>	0	0	0.000	0	0	100.000
60. <i>Anchoa hepsetus</i>	0	0	0.000	0	0	100.000

TOTAL # OBSERVATIONS = 3  
 TOTAL # OCCURRENCES = 52  
 TOTAL COUNT = 942  
 CUM% BASED ON TOTAL



## NEKTON SPECIES FROM CRUISE 1 BY TRANSECT:

TRAN=M

VARIABLE	PARAMETERS							CUM%
	#OCC	TOTAL	#/OCC	MEAN	MAX	MIN	MIN>0	
1. Neobythites gilli	3	4	1.333	1.333	2	1	1	7.692
2. Porichthys plectrodon	2	8	4.000	2.667	7	0	1	23.077
3. Pontinus longispinis	1	13	13.000	4.333	13	0	13	48.077
4. Urophycis cirratus	1	5	5.000	1.667	5	0	5	57.692
5. Trichopsetta ventralis	1	5	5.000	1.667	5	0	5	67.308
6. Stenotomus caprinus	1	3	3.000	1.000	3	0	3	73.077
7. Antennarius radiosus	1	2	2.000	0.667	2	0	2	76.923
8. Paralichthys albigutta	1	2	2.000	0.667	2	0	2	80.769
9. Serranus atrobranchus	1	2	2.000	0.667	2	0	2	84.615
10. Ogcocephalus declivirostris	1	1	1.000	0.333	1	0	1	86.538
11. Prionotus rubio	1	1	1.000	0.333	1	0	1	88.462
12. Urophycis floridanus	1	1	1.000	0.333	1	0	1	90.385
13. Centropristis philadelphic	1	1	1.000	0.333	1	0	1	92.308
14. Hoplunnis macrurus	1	1	1.000	0.333	1	0	1	94.231
15. Myrophis punctatus	1	1	1.000	0.333	1	0	1	96.154
16. Peristedion gracile	1	1	1.000	0.333	1	0	1	98.077
17. Halieutichthys aculeatus	1	1	1.000	0.333	1	0	1	100.000
18. Symphurus diomedianus	0	0	.	0.000	0	0	.	100.000
19. Sphoeroides dorsalis	0	0	.	0.000	0	0	.	100.000
20. Symphurus civitatus	0	0	.	0.000	0	0	.	100.000
21. Trachurus lathami	0	0	.	0.000	0	0	.	100.000
22. Syacium gunteri	0	0	.	0.000	0	0	.	100.000
23. Rypiticus maculatus	0	0	.	0.000	0	0	.	100.000
24. Prionotus scitulus	0	0	.	0.000	0	0	.	100.000
25. Selene vomer	0	0	.	0.000	0	0	.	100.000
26. Symphurus parvus	0	0	.	0.000	0	0	.	100.000
27. Prionotus paralatus	0	0	.	0.000	0	0	.	100.000
28. Pristipomoides squilonaris	0	0	.	0.000	0	0	.	100.000
29. Scorpaena dispar	0	0	.	0.000	0	0	.	100.000
30. Sphoeroides parvus	0	0	.	0.000	0	0	.	100.000
31. Paralichthys squamilentus	0	0	.	0.000	0	0	.	100.000
32. Prionotus salmonicolor	0	0	.	0.000	0	0	.	100.000
33. Ophidion welshi	0	0	.	0.000	0	0	.	100.000
34. Ogcocephalus corniger	0	0	.	0.000	0	0	.	100.000
35. Trachinocephalus myops	0	0	.	0.000	0	0	.	100.000
36. Pristigenys altus	0	0	.	0.000	0	0	.	100.000
37. Symphurus plagiusa	0	0	.	0.000	0	0	.	100.000
38. Micropogonias undulatus	0	0	.	0.000	0	0	.	100.000
39. Menticirrhus americanus	0	0	.	0.000	0	0	.	100.000
40. Lepophidium jeanne	0	0	.	0.000	0	0	.	100.000
41. Syacium papillosum	0	0	.	0.000	0	0	.	100.000
42. Hildebrandia flava	0	0	.	0.000	0	0	.	100.000
43. Synodus foetens	0	0	.	0.000	0	0	.	100.000
44. Sphoeroides spengleri	0	0	.	0.000	0	0	.	100.000
45. Etropus crossotus	0	0	.	0.000	0	0	.	100.000
46. Engyophrys senta	0	0	.	0.000	0	0	.	100.000
47. Diplectrum bivittatum	0	0	.	0.000	0	0	.	100.000

48. <i>Cyclopsetta fimbriata</i>	0	0	.	0.000	0	0	.	100.000
49. <i>Cyclopsetta chittendeni</i>	0	0	.	0.000	0	0	.	100.000
50. <i>Citharichthys cornutus</i>	0	0	.	0.000	0	0	.	100.000
51. <i>Chloroscombrus chrysurus</i>	0	0	.	0.000	0	0	.	100.000
52. <i>Chaetodon aya</i>	0	0	.	0.000	0	0	.	100.000
53. <i>Prionotus stearnsi</i>	0	0	.	0.000	0	0	.	100.000
54. <i>Caulolatilus intermedius</i>	0	0	.	0.000	0	0	.	100.000
55. <i>Brotula barbata</i>	0	0	.	0.000	0	0	.	100.000
56. <i>Bollmannia communis</i>	0	0	.	0.000	0	0	.	100.000
57. <i>Bellator militaris</i>	0	0	.	0.000	0	0	.	100.000
58. <i>Apogon pseudomaculatus</i>	0	0	.	0.000	0	0	.	100.000
59. <i>Gymnachirus texae</i>	0	0	.	0.000	0	0	.	100.000
60. <i>Anchoa hepsetus</i>	0	0	.	0.000	0	0	.	100.000

TOTAL # OBSERVATIONS = 3  
 TOTAL # OCCURRENCES = 20  
 TOTAL COUNT = 52  
 CUM% BASED ON TOTAL

SORT BASED ON #OCC AND TOTAL

## NEKTON SPECIES FROM CRUISE 1 BY TRANSECT;

TRAN=D

## PARAMETERS

VARIABLE	#OCC	TOTAL	#/OCC	MEAN	MAX	MIN	MIN>0	CUM%
1. Prionotus salmonicolor	2	23	11.5	5.75	21	0	2	16.312
2. Stenotomus caprinus	2	15	7.5	3.75	13	0	2	26.950
3. Syacium papillosum	2	13	6.5	3.25	9	0	4	36.170
4. Synodus foetens	2	9	4.5	2.25	7	0	2	42.553
5. Halieutichthys aculeatus	2	8	4.0	2.00	4	0	4	48.227
6. Trachinocephalus myops	2	7	3.5	1.75	5	0	2	53.191
7. Centropristis philadelphic	2	5	2.5	1.25	4	0	1	56.738
8. Chaetodon aya	1	6	6.0	1.50	6	0	6	60.993
9. Pontinus longispinis	1	6	6.0	1.50	6	0	6	65.248
10. Diplectrum bivittatum	1	5	5.0	1.25	5	0	5	68.794
11. Scorpaena dispar	1	5	5.0	1.25	5	0	5	72.340
12. Pristipomoides aquilonaris	1	5	5.0	1.25	5	0	5	75.887
13. Apogon pseudomaculatus	1	4	4.0	1.00	4	0	4	78.723
14. Chloroscombrus chrysurus	1	3	3.0	0.75	3	0	3	80.851
15. Anchoa hepsetus	1	3	3.0	0.75	3	0	3	82.979
16. Cyclopsetta fimbriata	1	3	3.0	0.75	3	0	3	85.106
17. Neobythites gilli	1	3	3.0	0.75	3	0	3	87.234
18. Citharichthys cornutus	1	2	2.0	0.50	2	0	2	88.652
19. Prionotus paralatus	1	2	2.0	0.50	2	0	2	90.071
20. Urophycis floridanus	1	2	2.0	0.50	2	0	2	91.489
21. Sphoeroides parvus	1	2	2.0	0.50	2	0	2	92.908
22. Lepophidium jeanne	1	1	1.0	0.25	1	0	1	93.617
23. Paralichthys squamilentus	1	1	1.0	0.25	1	0	1	94.326
24. Bellator militaris	1	1	1.0	0.25	1	0	1	95.035
25. Trachurus lathami	1	1	1.0	0.25	1	0	1	95.745
26. Prionotus scitulus	1	1	1.0	0.25	1	0	1	96.454
27. Sphoeroides dorsalis	1	1	1.0	0.25	1	0	1	97.163
28. Ogcocephalus corniger	1	1	1.0	0.25	1	0	1	97.872
29. Pristigenys altus	1	1	1.0	0.25	1	0	1	98.582
30. Symphurus plagiusa	1	1	1.0	0.25	1	0	1	99.291
31. Symphurus parvus	1	1	1.0	0.25	1	0	1	100.000
32. Prionotus rubio	0	0	.	0.00	0	0	.	100.000
33. Urophycis cirratus	0	0	.	0.00	0	0	.	100.000
34. Trichopsetta ventralis	0	0	.	0.00	0	0	.	100.000
35. Paralichthys albigutta	0	0	.	0.00	0	0	.	100.000
36. Ophidion weishi	0	0	.	0.00	0	0	.	100.000
37. Symphurus diomedianus	0	0	.	0.00	0	0	.	100.000
38. Ogcocephalus declivirostris	0	0	.	0.00	0	0	.	100.000
39. Menticirrhus americanus	0	0	.	0.00	0	0	.	100.000
40. Symphurus civitatus	0	0	.	0.00	0	0	.	100.000
41. Micropogonias undulatus	0	0	.	0.00	0	0	.	100.000
42. Syacium gunteri	0	0	.	0.00	0	0	.	100.000
43. Sphoeroides spengleri	0	0	.	0.00	0	0	.	100.000
44. Hoplunnis macrurus	0	0	.	0.00	0	0	.	100.000
45. Etropus crossotus	0	0	.	0.00	0	0	.	100.000
46. Engyophrys senta	0	0	.	0.00	0	0	.	100.000
47. Serranus atrobranchus	0	0	.	0.00	0	0	.	100.000

48. <i>Selene vomer</i>	0	0	.	0.00	0	0	.	100.000
49. <i>Cyclopsetta chittendeni</i>	0	0	.	0.00	0	0	.	100.000
50. <i>Rypticus maculatus</i>	0	0	.	0.00	0	0	.	100.000
51. <i>Gymnachirus texae</i>	0	0	.	0.00	0	0	.	100.000
52. <i>Myrophis punctatus</i>	0	0	.	0.00	0	0	.	100.000
53. <i>Prionotus stearnsi</i>	0	0	.	0.00	0	0	.	100.000
54. <i>Caulolatilus intermedius</i>	0	0	.	0.00	0	0	.	100.000
55. <i>Brotula barbata</i>	0	0	.	0.00	0	0	.	100.000
56. <i>Bollmannia communis</i>	0	0	.	0.00	0	0	.	100.000
57. <i>Hildebrandia flava</i>	0	0	.	0.00	0	0	.	100.000
58. <i>Porichthys plectrodon</i>	0	0	.	0.00	0	0	.	100.000
59. <i>Antennarius radiosus</i>	0	0	.	0.00	0	0	.	100.000
60. <i>Peristedion gracile</i>	0	0	.	0.00	0	0	.	100.000

TOTAL # OBSERVATIONS = 4  
 TOTAL # OCCURRENCES = 38  
 TOTAL COUNT = 141  
 CUM% BASED ON TOTAL

# Appendix C

## **PHYSICAL OCEANOGRAPHY/ WATER COLUMN CHARACTERIZATION**

**CTD**

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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**CRUISE 0**  
**STATION C1-2**

4.0	24.9858	32.7605	21.6559	82.60
5.0	24.9842	32.7583	21.6547	82.61
6.0	24.9988	32.7535	21.6467	82.64
7.0	25.0035	32.7511	21.6434	82.62
8.0	25.0041	32.7564	21.6473	82.51
9.0	25.0010	32.7598	21.6508	82.35
10.0	25.0025	32.7575	21.6486	82.63
11.0	25.0116	32.7554	21.6442	82.55
12.0	25.0204	32.7540	21.6405	82.26
13.0	25.0244	32.7688	21.6505	81.74
14.0	25.0308	32.7745	21.6529	81.53
15.0	25.0300	32.7706	21.6502	81.06
16.0	25.0496	32.7862	21.6561	80.70
17.0	25.0713	32.7992	21.6593	80.40

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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**CRUISE 0**  
**STATION C-2**

3.0	26.3634	33.1990	21.5642	87.58
4.0	26.3924	33.1109	21.4888	83.23
5.0	26.3876	33.1136	21.4923	83.27
6.0	26.3934	33.1104	21.4881	83.45
7.0	26.3938	33.1103	21.4879	83.55
8.0	26.3959	33.1112	21.4880	83.60
9.0	26.3959	33.1051	21.4833	83.44
10.0	26.3968	33.1109	21.4875	83.52
11.0	26.3959	33.1076	21.4852	83.31
12.0	26.3979	33.1189	21.4931	83.50
13.0	26.3977	33.1123	21.4882	83.47
14.0	26.4068	33.1250	21.4950	83.48
15.0	26.4082	33.1606	21.5213	83.32
16.0	26.6435	33.8798	21.9891	83.32
17.0	26.8907	34.0911	22.0701	83.17
18.0	26.9665	34.2007	22.1285	84.36
19.0	26.9708	34.2432	22.1592	84.54
20.0	26.9802	34.2646	22.1723	84.58
21.0	26.9892	34.2499	22.1584	84.71
22.0	27.0153	34.3123	22.1970	84.77
23.0	27.0161	34.3126	22.1970	84.33
24.0	27.0506	34.4365	22.2793	84.48
25.0	26.6724	34.8615	22.7197	84.49
26.0	26.1323	35.5270	23.3914	84.70
27.0	25.8349	35.8762	23.7480	85.82
28.0	25.6732	35.8895	23.8084	87.51
29.0	25.6117	35.9289	23.8572	87.65
30.0	25.5807	35.9639	23.8932	87.89
31.0	25.5127	36.0629	23.9891	87.84
32.0	25.3397	36.1511	24.1091	87.83
33.0	25.1412	36.2270	24.2275	88.11
34.0	24.9167	36.2403	24.3062	88.41
35.0	24.4372	36.4893	24.6401	88.68
36.0	23.8481	36.4828	24.8114	88.97
37.0	23.6697	36.4684	24.8533	88.99
38.0	23.3643	36.4840	24.9550	89.18
39.0	23.0408	36.5194	25.0762	89.22
40.0	22.9090	36.4660	25.0739	88.69
41.0	22.7342	36.4822	25.1367	88.18



PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
42.0	22.5337	36.4670	25.1827	87.75
43.0	22.2215	36.3841	25.2088	86.32
44.0	21.9806	36.5659	25.4152	81.24
45.0	21.8973	36.6730	25.5201	77.00

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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**CRUISE 0**  
**STATION C-3**

4.0	26.7557	33.7591	21.8629	79.55
5.0	26.7746	33.7929	21.8824	81.69
6.0	26.7827	33.7959	21.8820	81.65
7.0	26.7888	33.7878	21.8740	81.79
8.0	26.8080	33.8258	21.8966	81.82
9.0	26.8254	33.8847	21.9354	81.87
10.0	26.8523	33.9524	21.9778	81.92
11.0	26.8863	33.9939	21.9983	82.12
12.0	26.9296	34.0922	22.0586	82.41
13.0	26.9957	34.2178	22.1322	83.24
14.0	27.0080	34.2501	22.1526	84.13
15.0	27.0070	34.2869	22.1806	84.35
16.0	27.0289	34.3491	22.2205	84.54
18.0	27.0727	34.3462	22.2043	84.99
19.0	27.1158	34.4071	22.2364	85.00
20.0	27.1281	34.4122	22.2363	85.16
21.0	27.1260	34.4061	22.2323	85.34
22.0	27.1166	34.4424	22.2627	85.49
23.0	27.1220	34.4794	22.2888	85.52
24.0	27.1578	34.6235	22.3858	85.97
25.0	27.3317	34.8762	22.5203	86.46
26.0	27.5176	34.9998	22.5534	87.66
27.0	27.5346	35.0783	22.6070	88.11
28.0	27.4849	35.1593	22.6841	88.22
29.0	27.3817	35.2491	22.7850	88.34
30.0	27.2027	35.4170	22.9690	88.55
31.0	26.8680	35.6891	23.2812	88.76
32.0	26.6708	35.8265	23.4476	88.74
33.0	26.5807	35.9211	23.5475	88.67
34.0	26.4669	36.0078	23.6489	88.76
35.0	26.0104	35.9724	23.7661	88.90
36.0	25.2754	36.1206	24.1057	89.31
37.0	24.6962	36.4139	24.5045	89.55
38.0	24.0379	36.3503	24.6550	89.57
39.0	23.8542	36.2090	24.6020	89.56
40.0	23.4155	36.3255	24.8196	89.61
41.0	23.1379	36.4773	25.0161	89.65
42.0	23.0650	36.4225	24.9956	89.77
43.0	22.8258	36.4515	25.0869	90.02

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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44.0	22.4763	36.4778	25.2074	90.14
45.0	22.3537	36.4562	25.2260	90.03
46.0	22.2799	36.4422	25.2364	89.96
47.0	22.2246	36.3046	25.1475	89.89
48.0	21.9883	36.4736	25.3428	90.02
49.0	21.8111	36.5465	25.4482	89.93
50.0	21.6454	36.4287	25.4049	89.88
51.0	21.4840	36.4602	25.4738	89.93
52.0	21.4307	36.4609	25.4891	89.98
53.0	21.3526	36.4673	25.5157	90.14
54.0	21.3173	36.4832	25.5376	90.00
55.0	21.3118	36.5124	25.5613	90.14
56.0	21.2411	36.4997	25.5712	89.96
57.0	21.1305	36.5248	25.6208	90.09
58.0	21.0464	36.4706	25.6026	90.09
59.0	20.8820	36.4399	25.6243	90.05
60.0	20.7693	36.4879	25.6915	90.09
61.0	20.6818	36.4501	25.6865	90.04
62.0	20.4806	36.4840	25.7668	90.08
63.0	20.3514	36.4618	25.7847	89.97
64.0	20.2256	36.4662	25.8217	89.81
65.0	20.1640	36.4500	25.8258	89.93
67.0	20.0035	36.4133	25.8406	89.93
68.0	19.8539	36.4712	25.9245	90.12
69.0	19.8295	36.4664	25.9273	90.25
70.0	19.6622	36.3830	25.9076	90.28
71.0	19.5376	36.3891	25.9450	90.38
72.0	19.4716	36.4068	25.9758	90.37
73.0	19.4251	36.4228	26.0002	90.37
74.0	19.3784	36.4839	26.0590	90.48
75.0	19.3432	36.4528	26.0444	90.62
76.0	19.2794	36.4093	26.0278	90.50
77.0	19.1992	36.4454	26.0762	90.47
78.0	19.1717	36.4387	26.0782	90.52
79.0	19.1215	36.4514	26.1008	90.41
80.0	19.0623	36.4737	26.1332	89.60
81.0	19.0014	36.4660	26.1430	88.29
82.0	18.9436	36.4593	26.1528	86.50
83.0	18.8876	36.4474	26.1580	85.12
84.0	18.8323	36.4565	26.1791	84.89
85.0	18.7288	36.4386	26.1919	86.83
86.0	18.5446	36.4336	26.2349	88.48
87.0	18.4849	36.4808	26.2862	89.01

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
88.0	18.3887	36.4762	26.3069	89.19
89.0	18.3215	36.4217	26.2821	89.29
90.0	18.2940	36.4198	26.2876	88.92
91.0	18.2934	36.4424	26.3050	89.05
92.0	18.2758	36.4108	26.2852	88.93
93.0	18.2312	36.4719	26.3432	88.72
94.0	18.1925	36.4348	26.3246	88.48
95.0	18.1507	36.3684	26.2841	88.52
96.0	18.0837	36.3675	26.3002	87.85
97.0	18.0349	36.3804	26.3222	86.40
98.0	17.9645	36.3864	26.3443	86.20
99.0	17.8950	36.3898	26.3642	86.16
100.0	17.8453	36.3937	26.3795	85.30
101.0	17.7983	36.4501	26.4343	85.02

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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**CRUISE 0**  
**STATION C-4**

3.0	26.5181	33.3375	21.6201	84.81
4.0	26.5300	33.3468	21.6234	72.42
5.0	26.4846	33.3232	21.6199	69.81
5.1	26.5326	33.4615	21.7090	78.99
7.0	26.5230	33.4776	21.7241	80.84
8.0	26.5185	33.4679	21.7182	80.45
9.0	26.5182	33.4499	21.7047	80.30
10.0	26.5078	33.4731	21.7255	80.11
11.0	26.5018	33.5361	21.7748	80.13
12.0	26.5483	33.5305	21.7560	80.52
13.0	26.5855	33.5810	21.7824	80.69
14.0	26.6193	33.6163	21.7983	80.66
15.0	26.6499	33.6927	21.8462	80.65
16.0	26.7010	33.7242	21.8538	80.94
17.0	26.7368	33.7117	21.8331	80.61
18.0	26.7470	33.7149	21.8323	81.45
19.0	26.7729	33.7587	21.8571	81.14
20.0	26.7889	33.7781	21.8667	80.90
21.0	26.8129	33.8503	21.9135	80.99
22.0	26.8377	33.8724	21.9223	81.33
23.0	26.8569	33.9090	21.9437	81.93
24.0	26.9133	34.1982	22.1436	82.26
25.0	27.1098	34.5482	22.3445	83.43
26.0	27.2380	34.6583	22.3864	84.84
27.0	27.2416	34.6967	22.4142	85.94
28.0	27.2041	34.6817	22.4149	86.55
29.0	27.1772	34.7600	22.4824	87.22
30.0	27.1994	34.9081	22.5868	87.36
31.0	27.2964	35.1239	22.7182	87.42
32.0	27.3220	35.4307	22.9410	87.71
33.0	27.3472	35.5538	23.0255	88.56
34.0	27.2596	35.6174	23.1017	89.68
35.0	26.8236	35.7600	23.3488	89.38
36.0	26.4341	35.9413	23.6091	89.52
37.0	26.1181	36.2346	23.9300	89.81
38.0	25.1429	36.6648	24.5582	89.95
39.0	24.7156	36.5043	24.5668	89.85
40.0	24.1457	36.2238	24.5267	90.12
41.0	24.0128	36.3082	24.6301	89.92

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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42.0	23.8821	36.2471	24.6226	90.01
43.0	23.6259	36.4464	24.8495	90.00
44.0	23.3655	36.7977	25.1927	90.07
45.0	23.1079	37.1071	25.5028	90.34
46.0	22.9296	36.3455	24.9765	90.12
47.0	22.8059	36.4021	25.0552	90.16
48.0	22.6651	36.3963	25.0914	89.92
49.0	22.5146	36.5313	25.2371	88.94
50.0	22.3098	36.6630	25.3957	87.31
52.0	22.1406	36.4534	25.2844	87.96
53.0	21.9737	36.3332	25.2401	87.76
54.0	21.7578	36.5766	25.4860	86.97
55.0	21.5937	36.6964	25.6231	85.12
56.0	21.4303	36.4020	25.4445	84.87
57.0	21.3619	36.4716	25.5164	85.27
58.0	21.2805	36.4102	25.4921	84.97
59.0	21.1773	36.4181	25.5266	84.96
60.0	21.1303	36.4239	25.5440	84.97
61.0	21.0894	36.4571	25.5805	85.03
62.0	21.0186	36.5955	25.7054	85.76
63.0	20.8403	36.3859	25.5945	85.99
64.0	20.6737	36.4167	25.6632	83.79
65.0	20.5715	36.4352	25.7050	83.36
66.0	20.5358	36.4270	25.7084	85.22
67.0	20.4926	36.4577	25.7435	85.74
68.0	20.4318	36.4154	25.7276	86.26
69.0	20.3761	36.4280	25.7522	84.64
70.0	20.3474	36.4236	25.7566	85.06
71.0	20.3372	36.4090	25.7482	85.79
72.0	20.3136	36.4286	25.7695	85.73
73.0	20.2375	36.4434	25.8012	84.88
74.0	20.1090	36.4264	25.8225	83.75
75.0	20.0084	36.4163	25.8416	83.94
76.0	19.8986	36.4898	25.9269	83.82
77.0	19.7954	36.5598	26.0076	84.83
78.0	19.6192	36.5384	26.0377	85.40
79.0	19.5340	36.4605	26.0005	84.99
80.0	19.4796	36.4350	25.9953	83.88
81.0	19.3960	36.4021	25.9919	83.16
82.0	19.3240	36.4272	26.0298	84.29
83.0	19.2837	36.4430	26.0524	84.64
84.0	19.2677	36.5066	26.1053	84.14
85.0	19.2479	36.5326	26.1302	83.52

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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86.0	19.2384	36.4772	26.0903	82.87
87.0	19.2121	36.4658	26.0884	82.82
88.0	19.1565	36.4771	26.1115	82.71
89.0	19.1502	36.4732	26.1101	83.48
90.0	19.1188	36.5284	26.1604	83.75
91.0	19.1076	36.5629	26.1897	84.69
92.0	19.0823	36.5704	26.2020	87.57
93.0	19.0638	36.5090	26.1598	88.05
94.0	19.0424	36.4877	26.1491	88.52
95.0	19.0029	36.4724	26.1475	88.97
96.0	18.9552	36.4548	26.1463	88.74
97.0	18.9026	36.4939	26.1897	87.47
98.0	18.8513	36.4786	26.1912	86.63
99.0	18.8304	36.4658	26.1868	86.52
100.0	18.7900	36.4371	26.1751	86.02
101.0	18.6955	36.4733	26.2269	85.25
102.0	18.6384	36.4617	26.2326	84.63
103.0	18.5774	36.4767	26.2596	83.41
104.0	18.5648	36.4633	26.2525	83.02
106.0	18.5213	36.5287	26.3136	82.30
107.0	18.4913	36.5049	26.3030	81.90
108.0	18.4707	36.4536	26.2690	81.76
109.0	18.4655	36.4641	26.2783	81.67
110.0	18.4353	36.4242	26.2553	81.51
111.0	18.3425	36.4618	26.3076	81.31
112.0	18.1886	36.5113	26.3841	81.62
113.0	17.9268	36.3788	26.3478	82.84
114.0	17.7665	36.4065	26.4088	84.72
115.0	17.6422	36.3259	26.3775	85.19
116.0	17.3100	36.3465	26.4745	86.31
117.0	17.2099	36.4315	26.5639	85.84
118.0	17.1050	36.3211	26.5045	85.48
119.0	16.9985	36.2706	26.4913	84.80
120.0	16.9345	36.2855	26.5181	83.41
121.0	16.8855	36.3030	26.5433	80.89
122.0	16.8730	36.3166	26.5567	80.22
123.0	16.8473	36.2698	26.5269	77.55
124.0	16.8412	36.2820	26.5376	77.91
125.0	16.8360	36.2761	26.5344	77.76
126.0	16.8272	36.3053	26.5589	77.72
127.0	16.8225	36.3423	26.5885	77.74
128.0	16.8137	36.2911	26.5512	77.60
129.0	16.8012	36.2757	26.5424	77.44

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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130.0	16.7911	36.2526	26.5270	77.74
131.0	16.7435	36.2262	26.5181	78.35
132.0	16.7078	36.2285	26.5283	77.47
133.0	16.6541	36.3263	26.6162	76.48
134.0	16.6309	36.2693	26.5778	77.15
135.0	16.5878	36.2337	26.5607	77.09
136.0	16.5243	36.2379	26.5789	77.32
137.0	16.5105	36.2469	26.5891	77.57
138.0	16.4854	36.2557	26.6017	78.33
139.0	16.4392	36.2280	26.5913	79.88
140.0	16.4245	36.2378	26.6023	81.63
141.0	16.4157	36.2280	26.5968	83.83
142.0	16.3957	36.1943	26.5756	84.83
143.0	16.3664	36.1999	26.5868	84.80
144.0	16.3549	36.2093	26.5967	83.73
145.0	16.3522	36.2094	26.5974	83.30
146.0	16.3481	36.2278	26.6125	83.01
147.0	16.3257	36.1928	26.5909	82.43
148.0	16.2982	36.1867	26.5926	81.86
149.0	16.2768	36.1909	26.6008	82.04
150.0	16.2652	36.1857	26.5995	82.22
151.0	16.2504	36.1857	26.6030	82.42
152.0	16.2398	36.2118	26.6255	82.96
153.0	16.2235	36.2041	26.6233	83.19
154.0	16.2094	36.1784	26.6068	83.26
155.0	16.1934	36.1880	26.6180	83.20
156.0	16.1801	36.1774	26.6129	83.55
157.0	16.1655	36.1919	26.6275	83.86
158.0	16.1299	36.1822	26.6282	83.82
159.0	16.0982	36.1823	26.6357	84.06
160.0	16.0614	36.1530	26.6216	84.15
161.0	16.0292	36.1277	26.6096	84.31
162.0	15.9892	36.1463	26.6332	84.57
163.0	15.9337	36.2405	26.7185	85.56
164.0	15.8871	36.1248	26.6401	85.66
165.0	15.8160	36.1179	26.6512	85.70
166.0	15.7608	36.0518	26.6129	86.66
167.0	15.6921	36.0768	26.6478	87.59
168.0	15.6397	36.0979	26.6760	88.40
169.0	15.6234	36.1214	26.6978	87.93
170.0	15.6102	36.1176	26.6979	87.76
171.0	15.5749	36.1153	26.7041	87.95
172.0	15.5330	36.0763	26.6835	88.19



PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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173.0	15.5096	36.0868	26.6969	89.38
174.0	15.4656	36.0439	26.6738	89.77
175.0	15.4049	36.0831	26.7177	90.04
176.0	15.4125	36.1187	26.7434	90.15
177.0	15.3974	36.0693	26.7088	89.90
178.0	15.3866	36.0491	26.6956	89.92
179.0	15.3599	36.0533	26.7049	89.45
180.0	15.3425	36.0698	26.7215	88.44
181.0	15.3455	36.1075	26.7499	88.71
182.0	15.3287	36.1082	26.7542	88.73
183.0	15.3327	36.0601	26.7162	88.75
184.0	15.3162	36.0159	26.6858	88.79
185.0	15.2080	36.0139	26.7086	88.09
186.0	15.1808	36.0460	26.7394	88.38
187.0	15.1767	36.0768	26.7641	88.24
188.0	15.1756	36.0629	26.7536	88.49
189.0	15.1121	36.0033	26.7218	88.43
190.0	15.0321	36.0059	26.7415	87.94
191.0	14.9822	36.0007	26.7487	84.17

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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**CRUISE 0**  
**STATION M-1**

2.5	26.9865	31.8889	20.3827	79.84
3.0	26.9897	31.8754	20.3716	78.99
3.5	26.9927	31.8414	20.3451	79.04
3.7	26.9957	31.8681	20.3642	79.08
4.5	26.9868	31.8377	20.3442	81.75
5.0	27.0109	31.9221	20.4001	78.75
5.5	27.0121	31.9216	20.3993	79.08
6.0	27.0154	31.9290	20.4038	79.03
6.2	27.0147	31.9218	20.3986	79.11
7.0	27.0150	31.9195	20.3968	79.22
7.5	27.0137	31.9183	20.3963	79.09
8.0	27.0180	31.9270	20.4015	79.02
8.5	27.0269	31.9381	20.4070	79.22
8.7	27.0285	31.9253	20.3969	79.20
9.5	27.0275	31.9250	20.3970	78.99
10.0	27.0232	31.9271	20.3999	78.77
10.2	27.0243	31.9261	20.3988	78.93
11.0	27.0277	31.9431	20.4105	79.10
11.5	27.0319	31.9476	20.4126	79.09
12.5	27.0322	31.9347	20.4028	79.10
13.5	27.0505	31.9339	20.3964	79.04
14.0	27.0743	31.9625	20.4104	79.05
14.5	27.1037	31.9902	20.4219	78.87
15.0	27.1241	31.9595	20.3924	79.22
15.5	27.2368	32.4975	20.7612	78.97
16.0	27.4086	32.9298	21.0314	79.37
16.5	27.4688	32.9858	21.0542	79.74
17.0	27.5232	33.9780	21.7829	81.11
17.5	27.5586	35.8200	23.1572	86.59

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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**CRUISE 0  
STATION M-2**

3.0	27.8946	34.5349	22.0814	87.12
4.0	27.8976	34.5175	22.0674	86.91
5.0	27.8946	34.5173	22.0682	86.83
6.0	27.8896	34.5130	22.0666	87.04
7.0	27.8893	34.5144	22.0677	86.98
8.0	27.8906	34.5077	22.0623	87.04
9.0	27.8870	34.5333	22.0827	86.94
10.0	27.8800	34.5151	22.0713	86.99
11.0	27.8685	34.5165	22.0761	87.02
12.0	27.8481	34.5126	22.0798	86.97
13.0	27.8390	34.5046	22.0768	87.09
14.0	27.8278	34.5055	22.0811	87.17
15.0	27.8001	34.4915	22.0795	87.20
16.0	27.7909	34.4833	22.0763	87.23
17.0	27.7752	34.4881	22.0851	87.19
18.0	27.7631	34.4831	22.0852	87.23
19.0	27.7362	34.4715	22.0852	87.11
20.0	27.7228	34.4724	22.0902	87.07
21.0	27.7227	34.4747	22.0920	87.11
22.0	27.7143	34.4710	22.0920	87.23
23.0	27.7138	34.4623	22.0856	87.23
24.0	27.7102	34.4820	22.1015	87.17
25.0	27.7376	34.5683	22.1576	87.26
26.0	27.9724	34.9218	22.3471	87.33
27.0	28.0918	35.0676	22.4176	87.49
28.0	28.0565	35.3437	22.6368	87.60
29.0	27.9596	35.4961	22.7832	87.53
30.0	28.0152	35.5450	22.8018	87.59
31.0	28.0852	35.6287	22.8418	87.76
32.0	28.0359	35.5668	22.8114	87.89
33.0	27.7482	35.7393	23.0352	87.79
34.0	27.5953	35.8401	23.1608	87.51
35.0	27.4074	35.8646	23.2401	87.56
36.0	27.0633	35.8959	23.3744	87.59
37.0	26.5330	36.1224	23.7144	87.45
38.0	25.9613	36.3098	24.0362	87.10
39.0	25.8093	36.3499	24.1137	86.49
40.0	25.6500	36.3614	24.1720	86.16
41.0	25.5551	36.3937	24.2259	86.16

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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42.0	25.4441	36.3772	24.2478	86.26
43.0	25.3265	36.3532	24.2659	86.41
44.0	25.1327	36.3325	24.3099	86.54
45.0	24.9484	36.3836	24.4049	86.45
46.0	24.6724	36.4403	24.5318	86.46
47.0	24.4028	36.3978	24.5811	86.57
48.0	24.1374	36.1363	24.4628	87.09
49.0	23.5132	36.3375	24.8002	86.21
50.0	22.9774	36.4714	25.0582	83.88
51.0	22.7885	36.5217	25.1510	83.38
52.0	22.6626	36.4774	25.1537	79.53
53.0	22.5700	36.4589	25.1662	77.45

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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**CRUISE 0**  
**STATION M-3**

2.0	27.8693	34.2992	21.9122	85.95
3.0	27.8740	34.3958	21.9835	86.01
4.0	27.8802	34.4093	21.9917	86.03
5.0	27.8849	34.4108	21.9913	86.12
6.0	27.8857	34.4203	21.9982	86.19
7.0	27.8893	34.4387	22.0108	86.22
8.0	27.8895	34.4324	22.0060	86.20
9.0	27.8947	34.4518	22.0190	86.30
10.0	27.9028	34.4610	22.0232	86.31
11.0	27.9109	34.4727	22.0294	86.36
12.0	27.9092	34.4685	22.0268	86.48
13.0	27.9157	34.5008	22.0489	86.51
14.0	27.9208	34.5204	22.0621	87.00
15.0	27.9230	34.5272	22.0665	86.94
16.0	27.9257	34.5563	22.0874	87.07
17.0	27.8452	34.5647	22.1199	87.33
18.0	27.7526	34.5891	22.1683	87.93
19.0	27.7152	34.6121	22.1978	88.32
20.0	27.7053	34.6229	22.2091	88.56
21.0	27.7060	34.6466	22.2267	88.72
22.0	27.7235	34.6756	22.2429	88.76
23.0	27.7431	34.6338	22.2050	88.78
24.0	27.7590	34.7456	22.2840	88.96
25.0	27.9038	34.8942	22.3487	89.02
26.0	28.2541	35.2749	22.5202	88.87
27.0	28.5496	35.4691	22.5686	88.43
28.0	28.6880	35.5863	22.6108	88.25
29.0	28.7159	35.6894	22.6790	88.40
30.0	28.5842	35.8406	22.8364	88.49
31.0	27.8106	35.7676	23.0362	88.45
32.0	26.6581	36.0797	23.6429	88.67
33.0	26.4018	36.1874	23.8050	88.61
34.0	26.1527	36.1647	23.8664	88.55
35.0	25.7268	36.2907	24.0949	88.44
36.0	25.6983	36.2947	24.1067	88.46
37.0	25.4501	36.3476	24.2235	88.48
38.0	25.2132	36.3501	24.2984	88.56
39.0	24.9534	36.3977	24.4141	88.65
40.0	24.7690	36.4221	24.4887	88.72

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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41.0	24.6477	36.3527	24.4730	88.98
42.0	24.4308	36.4171	24.5873	89.07
43.0	24.3102	36.4435	24.6436	89.18
44.0	24.2319	36.4521	24.6736	89.44
45.0	24.1384	36.4585	24.7064	89.50
46.0	24.0079	36.3953	24.6975	89.51
47.0	23.8524	36.4148	24.7586	89.57
48.0	23.8105	36.4272	24.7804	89.64
49.0	23.7312	36.3802	24.7682	89.63
50.0	23.4527	36.4036	24.8681	89.72
51.0	23.3196	36.4580	24.9483	89.67
52.0	23.0954	36.4791	25.0299	89.92
53.0	22.9812	36.4470	25.0386	90.08
54.0	22.6819	36.3792	25.0735	90.16
55.0	22.3005	36.4308	25.2218	90.09
56.0	22.0328	36.5056	25.3546	89.92
57.0	22.0227	36.4947	25.3492	89.95
58.0	22.0114	36.4879	25.3472	89.91
59.0	21.9381	36.4792	25.3613	89.90
60.0	21.9031	36.4990	25.3861	89.98
61.0	21.7738	36.4854	25.4121	89.99
62.0	21.6264	36.4641	25.4372	89.75
63.0	21.5438	36.4816	25.4735	89.48
64.0	21.4484	36.4408	25.4689	89.24
65.0	21.3191	36.4708	25.5276	88.34
66.0	21.2491	36.4502	25.5313	87.83
67.0	21.1592	36.4310	25.5415	87.69
68.0	20.9647	36.4153	25.5829	87.64
69.0	20.5999	36.3720	25.6492	86.68
70.0	20.4003	36.4759	25.7822	84.55
71.0	20.3520	36.4607	25.7836	83.22
72.0	20.3254	36.4700	25.7979	82.26
73.0	20.3155	36.4789	25.8074	81.63
74.0	20.2881	36.4406	25.7854	81.14
75.0	20.1819	36.4345	25.8093	80.36
76.0	20.1296	36.4449	25.8311	79.97
77.0	20.0879	36.4407	25.8390	80.17
78.0	20.0562	36.4391	25.8463	80.75
79.0	19.9066	36.4127	25.8658	81.03
80.0	19.6626	36.4445	25.9545	80.71
81.0	19.4571	36.4129	25.9843	80.55
82.0	19.3832	36.4297	26.0164	82.56
83.0	19.2999	36.4243	26.0339	84.63

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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84.0	19.2585	36.4599	26.0719	85.27
85.0	19.2323	36.4652	26.0828	86.32
86.0	19.2166	36.4584	26.0816	86.20
87.0	19.2107	36.4487	26.0757	85.83
88.0	19.2122	36.4414	26.0698	85.66
89.0	19.2141	36.4330	26.0629	85.59
90.0	19.2083	36.4360	26.0666	85.55
91.0	19.2073	36.4399	26.0698	85.54
92.0	19.1877	36.4305	26.0677	85.20
93.0	19.1546	36.4448	26.0873	83.53
94.0	19.1250	36.4317	26.0849	82.44
95.0	19.0952	36.4231	26.0860	81.63
96.0	19.0626	36.4226	26.0940	81.22
97.0	19.0254	36.4202	26.1018	81.29
98.0	18.9042	36.4114	26.1262	82.17
99.0	18.7728	36.4168	26.1640	83.04
100.0	18.6729	36.4320	26.2011	83.89
101.0	18.6205	36.4473	26.2261	84.84
102.0	18.6009	36.4341	26.2210	85.70
103.0	18.5816	36.4350	26.2266	85.60
104.0	18.5693	36.4405	26.2339	85.69
105.0	18.5418	36.4288	26.2320	85.77
106.0	18.4482	36.4165	26.2462	86.20
107.0	18.3375	36.3428	26.2177	86.51
108.0	18.1565	36.3240	26.2486	86.75
109.0	17.9442	36.3263	26.3032	86.68
110.0	17.5725	36.3598	26.4206	86.15
112.0	17.3622	36.3486	26.4634	83.55
113.0	17.2231	36.3216	26.4764	82.38
114.0	17.1255	36.3186	26.4976	81.46
115.0	17.0853	36.3295	26.5157	80.44
116.0	17.0550	36.3108	26.5086	79.94
117.0	17.0201	36.3081	26.5149	79.55
118.0	16.9566	36.3215	26.5404	78.72
119.0	16.9251	36.2922	26.5255	78.11
120.0	16.8854	36.2834	26.5282	77.81
121.0	16.8256	36.2979	26.5536	77.65

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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**CRUISE 0**  
**STATION M-4**

3.0	27.7377	34.3812	22.0168	86.62
4.0	27.7383	34.3968	22.0284	85.84
5.0	27.7375	34.3930	22.0258	86.72
6.0	27.7338	34.4006	22.0326	86.78
7.0	27.7421	34.4000	22.0296	86.82
8.0	27.7425	34.4079	22.0354	86.91
9.0	27.7440	34.4082	22.0350	86.90
10.0	27.7385	34.4034	22.0332	86.45
11.0	27.7380	34.4082	22.0370	86.96
12.0	27.7372	34.4236	22.0489	86.96
13.0	27.7220	34.4252	22.0550	86.95
14.0	27.7007	34.4321	22.0671	86.61
15.0	27.6888	34.4444	22.0802	87.13
16.0	27.6730	34.4732	22.1070	87.27
17.0	27.6601	34.4981	22.1299	87.41
18.0	27.6476	34.5222	22.1520	87.70
19.0	27.6453	34.5374	22.1642	87.85
20.0	27.6482	34.5538	22.1756	88.04
21.0	27.6556	34.5483	22.1691	88.13
22.0	27.6553	34.5525	22.1724	88.18
23.0	27.6568	34.5601	22.1776	88.27
24.0	27.6624	34.5854	22.1948	88.24
25.0	27.7221	34.7374	22.2898	88.56
26.0	27.7751	34.8026	22.3216	89.25
27.0	27.7942	34.8129	22.3232	89.49
28.0	27.8099	34.8893	22.3755	89.64
29.0	27.8540	34.8892	22.3611	89.64
30.0	27.9535	35.2236	22.5802	89.62
31.0	28.1747	35.6755	22.8476	89.26
32.0	27.2456	35.9890	23.3863	88.97
33.0	26.7941	36.1369	23.6423	89.16
34.0	26.4896	36.1952	23.7831	89.30
35.0	26.0889	36.0624	23.8091	89.34
36.0	25.5124	36.1846	24.0808	89.19
37.0	25.0739	36.1724	24.2068	88.92
38.0	24.4617	36.2917	24.4833	88.34
39.0	24.3848	36.3004	24.5127	88.09
40.0	24.2156	36.2876	24.5539	88.03
41.0	23.9614	36.3788	24.6989	88.20



PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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42.0	23.8608	36.4508	24.7833	88.53
43.0	23.7581	36.5020	24.8525	89.11
44.0	23.6860	36.4487	24.8335	89.50
45.0	23.5083	36.4079	24.8550	89.58
46.0	23.3356	36.3646	24.8728	89.68
47.0	23.1017	36.3633	24.9400	89.80
48.0	22.9331	36.3904	25.0095	89.93
49.0	22.8000	36.4429	25.0879	90.06
50.0	22.7256	36.4443	25.1104	90.14
51.0	22.6640	36.4520	25.1339	90.19
52.0	22.6177	36.4289	25.1297	90.31
53.0	22.5422	36.4113	25.1380	90.31
54.0	22.4623	36.4004	25.1526	90.41
55.0	22.2406	36.3988	25.2145	90.43
56.0	22.0045	36.4473	25.3182	90.48
57.0	21.8631	36.4570	25.3655	90.55
58.0	21.7634	36.4232	25.3677	90.60
59.0	21.6431	36.4094	25.3909	90.68
60.0	21.5205	36.3825	25.4045	90.72
61.0	21.3013	36.3757	25.4601	90.78
62.0	20.9500	36.3746	25.5559	90.78
63.0	20.8268	36.4294	25.6313	90.81
64.0	20.7093	36.4392	25.6707	90.77
65.0	20.6351	36.3861	25.6503	90.81
66.0	20.5533	36.4019	25.6846	90.81
67.0	20.4336	36.3899	25.7077	90.90
68.0	20.3130	36.4148	25.7591	90.81
69.0	20.2765	36.4285	25.7793	90.67
70.0	20.1844	36.3607	25.7522	90.17
71.0	19.9095	36.3029	25.7813	88.97
72.0	19.8091	36.3940	25.8774	90.07
73.0	19.7359	36.4068	25.9064	90.71
74.0	19.6641	36.4224	25.9372	91.08
75.0	19.6440	36.4240	25.9438	91.04
76.0	19.6303	36.4170	25.9420	91.07
77.0	19.5788	36.3941	25.9380	91.10
78.0	19.4946	36.3994	25.9641	91.06
79.0	19.4066	36.3944	25.9833	91.07
80.0	19.2889	36.4036	26.0209	91.09
81.0	19.2388	36.4134	26.0414	91.11
82.0	19.1846	36.3785	26.0288	91.12
83.0	19.1211	36.4160	26.0739	91.12
84.0	19.0728	36.4393	26.1042	91.18

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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85.0	19.0476	36.4310	26.1043	91.22
86.0	19.0181	36.4484	26.1253	91.24
87.0	18.9566	36.4301	26.1271	91.18
88.0	18.8741	36.4364	26.1530	91.08
89.0	18.8181	36.4521	26.1794	91.04
90.0	18.7713	36.4292	26.1738	90.93
91.0	18.6874	36.4184	26.1870	90.85
92.0	18.5646	36.4214	26.2204	90.92
93.0	18.4410	36.4236	26.2534	90.93
94.0	18.3273	36.4010	26.2648	90.94
95.0	18.2371	36.3958	26.2835	90.92
96.0	18.1484	36.3453	26.2670	90.95
97.0	17.9901	36.3304	26.2950	90.97
98.0	17.7871	36.3711	26.3766	91.02
99.0	17.7335	36.3803	26.3968	91.08
100.0	17.6305	36.3285	26.3824	91.04
101.0	17.5536	36.3794	26.4403	90.85
102.0	17.4912	36.3621	26.4423	90.20
103.0	17.4236	36.3575	26.4552	89.09
104.0	17.3646	36.3379	26.4545	87.42
105.0	17.2899	36.2787	26.4273	87.41
106.0	17.1902	36.2975	26.4659	88.75
107.0	17.1295	36.3086	26.4890	90.12
108.0	17.1037	36.3128	26.4984	90.26
109.0	17.0997	36.3055	26.4938	90.33
110.0	17.0592	36.2996	26.4990	90.45
111.0	16.9840	36.3028	26.5195	90.36
112.0	16.9522	36.2929	26.5195	90.53
113.0	16.9398	36.2904	26.5206	90.57
114.0	16.9087	36.2708	26.5130	90.63
115.0	16.8657	36.2614	26.5160	90.73
116.0	16.8024	36.2434	26.5173	90.87
117.0	16.7385	36.2534	26.5402	90.86
118.0	16.7133	36.2771	26.5643	90.96
119.0	16.6941	36.2557	26.5524	90.91
120.0	16.6564	36.2353	26.5457	91.00
121.0	16.6349	36.2430	26.5567	90.92
122.0	16.5883	36.2285	26.5566	90.80
123.0	16.5078	36.1846	26.5418	90.46
124.0	16.4329	36.2075	26.5770	89.96
125.0	16.3841	36.2192	26.5974	89.35
126.0	16.3599	36.2103	26.5963	89.14
127.0	16.3385	36.2140	26.6041	88.94

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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128.0	16.3214	36.1965	26.5946	88.75
129.0	16.3012	36.1932	26.5968	88.56
130.0	16.2891	36.1913	26.5982	88.64
131.0	16.2799	36.1862	26.5965	88.68
132.0	16.2618	36.1844	26.5993	88.82
133.0	16.2477	36.1948	26.6106	88.87
134.0	16.2204	36.1771	26.6033	88.91
135.0	16.1668	36.1773	26.6159	88.97
136.0	16.1391	36.1517	26.6027	89.01
137.0	16.0944	36.1830	26.6371	88.93
138.0	16.0218	36.1162	26.6025	88.94
139.0	15.9420	36.1574	26.6526	89.01
140.0	15.9270	36.1516	26.6516	88.92
141.0	15.9205	36.1760	26.6719	88.78
142.0	15.9160	36.1392	26.6446	88.73
143.0	15.8912	36.0908	26.6130	88.58
144.0	15.8347	36.1165	26.6458	88.42
145.0	15.8080	36.1235	26.6573	88.31
146.0	15.7914	36.1282	26.6647	87.97
147.0	15.7726	36.1101	26.6551	87.86
148.0	15.6761	36.0481	26.6293	87.87
149.0	15.5668	36.0757	26.6754	88.26
150.0	15.5174	36.0909	26.6984	88.71
151.0	15.4890	36.0582	26.6796	88.92
152.0	15.4183	36.0662	26.7016	89.15
153.0	15.3929	36.0730	26.7126	89.09
154.0	15.3904	36.0700	26.7109	89.09
155.0	15.3762	36.0680	26.7125	89.07
156.0	15.3664	36.0688	26.7154	89.24
157.0	15.3580	36.0585	26.7093	89.54
158.0	15.3388	36.0648	26.7185	89.79
159.0	15.3206	36.0656	26.7232	89.94
160.0	15.3072	36.0627	26.7240	89.95
161.0	15.2979	36.0385	26.7074	89.95
162.0	15.2560	36.0439	26.7210	89.87
163.0	15.2393	36.0465	26.7267	89.82
164.0	15.2190	36.0404	26.7265	89.53
165.0	15.1941	36.0423	26.7336	89.50
166.0	15.1845	36.0387	26.7329	89.07
167.0	15.1744	36.0336	26.7313	88.66
168.0	15.1733	36.0286	26.7276	88.23
169.0	15.1609	36.0334	26.7341	87.87
170.0	15.1491	36.0313	26.7351	87.40

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
171.0	15.1511	36.0218	26.7273	86.43
172.0	15.1411	36.0385	26.7424	84.92
173.0	15.1422	36.0385	26.7422	83.99
174.0	15.1374	36.0377	26.7427	83.77
175.0	15.1381	36.0110	26.7219	83.57
176.0	15.1116	36.0439	26.7532	82.17
177.0	15.0849	36.0406	26.7566	81.33

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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**CRUISE 0**  
**STATION D-1**

2.5	26.9779	32.8135	21.0809	82.95
3.0	26.9988	32.9208	21.1550	82.94
3.5	26.9970	32.9072	21.1453	82.83
4.0	26.9974	32.9026	21.1418	83.05
4.5	26.9998	32.9180	21.1526	82.81
4.7	27.0015	32.9095	21.1457	82.93
5.5	27.0029	32.9070	21.1433	82.86
6.0	27.0060	32.9146	21.1481	82.91
6.5	27.0171	32.9232	21.1510	82.82
7.0	27.0333	32.9538	21.1689	82.86
7.5	27.0434	32.9422	21.1570	82.97
8.0	27.0591	32.9738	21.1758	83.03
8.5	27.0734	32.9805	21.1763	82.88
9.0	27.0837	32.9946	21.1836	82.79
9.5	27.0816	32.9816	21.1745	83.44
10.0	27.0958	33.1067	21.2642	83.15
10.5	27.1513	33.1743	21.2973	83.07
10.7	27.1868	33.1613	21.2763	83.06
11.5	27.3252	33.4312	21.4351	83.18
12.0	27.3350	33.5256	21.5029	82.82
12.5	27.3251	33.5499	21.5245	84.18
13.0	27.3617	33.7092	21.6326	85.20
13.5	27.3882	33.6432	21.5744	86.20
14.0	27.4395	33.8598	21.7208	86.42
14.5	27.4827	34.1303	21.9104	87.21
15.0	27.5012	34.2434	21.9896	87.36
15.5	27.4400	34.3463	22.0867	88.81
16.5	27.3728	34.4614	22.1949	89.50
17.0	27.3339	34.4858	22.2258	88.86

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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**CRUISE 0**  
**STATION D-1A**

3.0	27.2398	33.1719	21.2673	82.78
4.0	27.2501	33.1848	21.2738	83.67
5.0	27.2413	33.2018	21.2893	84.09
6.0	27.2188	33.2198	21.3101	84.32
7.0	27.2033	33.3051	21.3792	84.57
8.0	27.4087	33.8213	21.7018	84.91
9.0	27.4365	33.9278	21.7730	87.49
10.0	27.4323	34.0846	21.8923	88.86
11.0	27.4657	34.0366	21.8454	88.95
12.0	27.4974	34.1907	21.9511	89.14
13.0	27.5748	34.2698	21.9857	89.13
14.0	27.6045	34.3213	22.0149	89.17
15.0	27.6017	34.3570	22.0426	89.19
16.0	27.5897	34.3726	22.0582	89.25
17.0	27.5748	34.4466	22.1187	89.37
18.0	27.5647	34.4662	22.1367	89.33
19.0	27.5147	34.5940	22.2490	89.20
20.0	27.3804	34.7335	22.3973	89.13
21.0	27.2170	35.1793	22.7853	88.91
22.0	26.7262	35.5589	23.2283	88.78
23.0	26.5161	35.7477	23.4372	88.62
24.0	26.3739	35.6941	23.4417	88.75
25.0	25.8220	36.0233	23.8632	88.73
26.0	24.4328	36.1953	24.4197	88.77
27.0	24.3604	36.3781	24.5789	88.68
28.0	24.1338	36.2676	24.5632	88.56
29.0	24.0436	36.2475	24.5734	88.43

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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**CRUISE 0**  
**STATION D-2**

3.0	27.8447	33.8456	21.5794	87.62
4.0	27.8391	33.8319	21.5710	87.60
5.0	27.8366	33.8545	21.5888	87.55
6.0	27.8979	33.8915	21.5967	87.60
7.0	27.9634	33.9615	21.6280	87.79
8.0	27.9395	34.0121	21.6738	88.01
9.0	27.8832	34.0003	21.6833	87.98
10.0	27.8339	33.9880	21.6900	87.99
11.0	27.8222	33.9858	21.6921	87.97
12.0	27.8326	34.0114	21.7080	88.00
13.0	27.9202	34.0643	21.7193	88.03
14.0	28.0374	34.1744	21.7639	88.39
15.0	28.0713	34.2163	21.7844	88.52
16.0	28.3359	34.4922	21.9051	88.37
17.0	29.0145	35.0261	22.0810	88.61
18.0	29.2150	35.4087	22.3012	88.44
19.0	28.9070	35.6881	22.6142	88.58
20.0	28.1710	35.8138	22.9529	88.57
21.0	27.5896	35.8066	23.1376	88.58
22.0	27.2324	35.9432	23.3558	88.61
23.0	27.0451	36.0433	23.4915	88.63
24.0	26.8281	36.0952	23.6001	88.83
25.0	26.4945	36.1688	23.7616	88.90
26.0	26.0738	36.1865	23.9075	88.89
27.0	25.8056	36.2848	24.0658	88.42
28.0	25.5749	36.1749	24.0545	87.99
29.0	25.4942	36.3467	24.2092	88.03
30.0	25.3411	36.2385	24.1747	88.25
31.0	25.0842	36.2904	24.2929	88.39
32.0	24.8623	36.2357	24.3193	88.48
33.0	24.7016	36.3826	24.4793	88.67
34.0	24.5182	36.3140	24.4829	88.86
35.0	24.4449	36.4606	24.6160	89.00
36.0	24.2556	36.2948	24.5473	89.27
37.0	23.9669	36.4708	24.7670	89.54
38.0	23.6386	36.4000	24.8107	89.41
39.0	23.4644	36.4933	24.9326	89.66
40.0	23.2099	36.4221	24.9532	89.61
41.0	22.8429	36.4062	25.0476	89.54

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
42.0	22.1404	36.7775	25.5304	89.41
43.0	21.7610	36.6191	25.5175	89.26
44.0	21.0029	36.4841	25.6248	89.07
45.0	20.1947	36.8045	26.0888	89.12
46.0	20.2033	36.5984	25.9286	89.38
47.0	20.0681	36.7871	26.1088	89.47
48.0	19.9999	36.5487	25.9450	89.55



PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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**CRUISE 0  
STATION D-2A**

2.5	26.8760	33.1119	21.3376	78.11
3.0	26.8725	33.0869	21.3199	78.24
3.5	26.8744	33.0844	21.3175	78.17
4.0	26.8804	33.0734	21.3073	78.23
4.5	26.8800	33.0817	21.3137	78.25
5.5	26.8782	33.0822	21.3146	78.19
6.0	26.8710	33.0817	21.3165	78.29
6.5	26.8579	33.0865	21.3242	78.26
7.0	26.8477	33.0773	21.3205	78.04
7.5	26.8256	33.0779	21.3280	78.11
8.5	26.8045	33.0914	21.3448	77.92
9.0	26.7990	33.0894	21.3450	77.96
9.5	26.7988	33.0852	21.3419	77.83
10.0	26.7930	33.0776	21.3380	77.71
11.0	26.7877	33.0778	21.3399	77.89
11.5	26.7862	33.0841	21.3451	77.99
12.0	26.7869	33.0752	21.3382	78.06
12.5	26.7843	33.0844	21.3459	78.01
13.0	26.7840	33.0949	21.3539	78.28
13.5	26.7823	33.0851	21.3471	78.31
14.0	26.7792	33.0737	21.3394	78.55
14.5	26.7802	33.0906	21.3519	78.59
15.0	26.7784	33.0741	21.3400	78.62
15.5	26.7784	33.0893	21.3515	78.68
16.0	26.7769	33.0783	21.3436	78.59
16.5	26.7794	33.0794	21.3437	78.75
17.0	26.7800	33.0871	21.3493	78.75
17.5	26.7758	33.0837	21.3480	78.90
18.0	26.7770	33.0871	21.3502	78.77
18.5	26.7801	33.0874	21.3495	78.99
19.0	26.8070	33.1427	21.3826	79.05
19.5	26.8623	33.2550	21.4497	79.02
20.0	26.9379	33.4144	21.5457	79.13
20.5	27.0032	33.6452	21.6987	78.77
21.0	27.0872	34.1127	22.0239	78.11
21.5	26.9685	35.0020	22.7314	77.65
22.0	26.4174	35.5116	23.2902	77.65
22.5	25.9768	35.8674	23.6972	76.93
23.0	25.8651	35.9532	23.7968	75.01

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
23.5	25.7715	36.0521	23.9006	73.33
24.0	25.7286	36.0772	23.9329	72.10
24.5	25.6277	36.0862	23.9710	70.72

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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**CRUISE 0**  
**STATION D-2B**

2.5	27.5925	34.2796	21.9873	85.60
3.0	27.5910	34.2805	21.9885	85.45
3.5	27.5892	34.2868	21.9938	85.45
4.0	27.5913	34.2739	21.9835	85.53
4.5	27.5924	34.2907	21.9958	85.44
5.0	27.5918	34.2982	22.0016	85.43
5.5	27.5947	34.3045	22.0054	85.55
6.0	27.5931	34.2902	21.9951	85.49
6.5	27.5937	34.2847	21.9908	85.54
7.0	27.5829	34.2763	21.9880	85.58
7.5	27.5746	34.2794	21.9930	85.42
8.0	27.5659	34.2853	22.0002	85.30
8.5	27.5611	34.2829	22.0000	85.40
9.0	27.5602	34.2863	22.0028	85.27
9.5	27.5462	34.2745	21.9985	85.36
10.0	27.5409	34.2695	21.9964	85.11
10.5	27.5382	34.2795	22.0048	85.02
11.0	27.5292	34.2821	22.0097	85.25
11.5	27.5213	34.2826	22.0126	84.89
12.0	27.5137	34.2906	22.0210	85.12
12.5	27.4734	34.2950	22.0373	84.95
13.0	27.4357	34.3063	22.0580	84.59
13.5	27.4178	34.2989	22.0582	84.15
14.0	27.4169	34.3124	22.0686	84.23
14.5	27.4275	34.3296	22.0782	84.17
15.0	27.4467	34.3321	22.0739	84.12
15.5	27.4673	34.3592	22.0876	84.37
16.0	27.4891	34.3556	22.0779	84.65
16.5	27.5010	34.3757	22.0891	84.62
17.0	27.5059	34.3762	22.0880	84.58
17.5	27.5039	34.3665	22.0813	84.81
18.0	27.4960	34.3732	22.0889	84.79
18.5	27.4860	34.3720	22.0912	84.72
19.0	27.4825	34.3860	22.1028	84.87
19.5	27.4712	34.3743	22.0977	84.73
20.0	27.4742	34.3785	22.0999	84.89
20.5	27.5717	34.4982	22.1585	84.82
21.0	27.5565	34.6576	22.2834	84.78
21.5	27.5555	34.7091	22.3224	85.13

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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22.0	27.5564	34.7444	22.3487	85.31
22.5	27.5688	34.7709	22.3647	85.45
23.0	27.5778	34.8039	22.3866	85.51
23.5	27.5824	34.8596	22.4269	85.47
24.0	27.6022	34.9455	22.4852	85.36
24.5	27.6116	34.9318	22.4719	85.62
25.0	27.5649	35.1584	22.6575	85.83
25.5	27.4378	35.5252	22.9748	85.66
26.0	27.0429	35.7503	23.2715	85.51
26.5	26.4498	36.0969	23.7217	85.54
27.0	26.1146	36.3913	24.0495	85.11
27.5	25.9624	36.5479	24.2155	84.77
28.0	25.9338	36.3302	24.0600	84.17
28.5	25.8001	36.3680	24.1303	84.64
29.0	25.6703	36.4246	24.2135	85.19
29.5	25.5860	36.4166	24.2336	85.99
30.0	25.4269	36.5307	24.3691	86.33
30.5	25.2774	36.6695	24.5203	86.42
31.0	25.2202	36.6364	24.5128	86.64
31.5	25.1534	36.5214	24.4464	86.75
32.0	25.0579	36.6330	24.5600	86.94
32.5	24.8826	36.8381	24.7689	87.24
33.0	24.5805	36.3862	24.5186	87.37
33.5	23.9398	36.5084	24.8037	87.40
34.0	23.6442	36.8816	25.1741	85.98
34.5	23.4476	36.8266	25.1904	83.22
35.0	23.3285	36.6634	25.1016	80.06
35.5	23.2516	36.5659	25.0501	78.76

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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**CRUISE 0**  
**STATION D-3**

3.0	27.9928	34.4204	21.9634	90.12
4.0	27.9941	34.4085	21.9540	89.47
5.0	28.0041	34.4048	21.9479	89.89
6.0	28.0049	34.4133	21.9541	90.12
7.0	28.0013	34.4181	21.9588	90.13
8.0	27.9885	34.4295	21.9716	90.10
9.0	27.9810	34.4493	21.9890	87.19
10.0	27.9754	34.4674	22.0044	89.77
11.0	27.9723	34.4804	22.0152	90.16
12.0	27.9697	34.4853	22.0197	90.17
13.0	27.9737	34.4888	22.0210	90.18
14.0	27.9786	34.4988	22.0269	89.72
15.0	27.9968	34.5721	22.0761	90.15
16.0	27.9962	34.7080	22.1785	90.14
17.0	28.0042	34.7635	22.2176	90.30
18.0	28.0093	34.8767	22.3011	90.19
19.0	28.0157	34.9077	22.3223	90.48
20.0	28.0402	34.9207	22.3241	90.47
21.0	28.0715	35.0446	22.4070	90.49
22.0	28.1666	35.3598	22.6129	90.47
23.0	28.3077	35.5334	22.6969	90.55
24.0	28.3815	35.7845	22.8614	90.50
25.0	28.4425	36.0008	23.0039	90.46
26.0	28.4128	35.9516	22.9767	90.43
27.0	28.0933	35.9687	23.0948	90.37
28.0	27.7157	35.8318	23.1153	90.34
29.0	27.1306	35.9346	23.3820	90.33
30.0	26.7761	36.0482	23.5811	90.29
31.0	26.5335	36.2496	23.8103	90.19
32.0	26.0291	36.1959	23.9291	90.16
33.0	25.8282	36.4242	24.1640	90.10
34.0	25.3153	36.3313	24.2529	90.19
35.0	25.0480	36.3412	24.3424	90.23
36.0	24.6691	36.4838	24.5658	90.15
37.0	24.1379	36.4252	24.6813	90.16
38.0	23.7195	36.4480	24.8231	90.23
39.0	23.4719	36.5222	24.9524	90.24
40.0	23.3023	36.4457	24.9441	90.18
41.0	23.1601	36.4181	24.9647	90.10

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
42.0	23.0378	36.4683	25.0383	90.02
43.0	22.7507	36.5192	25.1600	89.99
44.0	22.5027	36.5191	25.2313	90.00
45.0	22.0854	36.4076	25.2654	89.96
46.0	22.0597	36.4574	25.3103	90.06
47.0	22.0082	36.5629	25.4051	90.12
48.0	21.9409	36.4264	25.3203	90.21
49.0	21.5993	36.4600	25.4416	90.27
50.0	21.2629	36.4685	25.5414	90.46
51.0	21.1034	36.5326	25.6343	90.57
52.0	20.9792	36.5009	25.6441	90.48
53.0	20.9122	36.5356	25.6889	90.58
54.0	20.8890	36.4975	25.6662	90.62
55.0	20.8135	36.5184	25.7028	90.69
56.0	20.6204	36.4832	25.7284	90.72
57.0	20.5337	36.5513	25.8038	90.75
58.0	20.4910	36.4768	25.7585	90.80
59.0	20.3921	36.4922	25.7969	90.81
60.0	20.3327	36.5906	25.8879	90.78
61.0	20.2909	36.5121	25.8393	90.81
62.0	20.2084	36.5073	25.8577	90.82
63.0	20.0707	36.4989	25.8881	90.66
64.0	19.9880	36.5084	25.9173	90.36
65.0	19.9661	36.4887	25.9081	90.25
66.0	19.9652	36.4875	25.9074	90.22
67.0	19.9603	36.4590	25.8869	90.25
68.0	19.9499	36.4290	25.8668	90.19
69.0	19.9195	36.4572	25.8964	90.12
70.0	19.8767	36.5049	25.9442	90.11
71.0	19.8626	36.4039	25.8708	90.15
72.0	19.8469	36.4075	25.8777	90.21
73.0	19.7880	36.4771	25.9464	90.25
74.0	19.6645	36.4693	25.9730	90.29
75.0	19.6217	36.4607	25.9776	90.31
76.0	19.6005	36.5121	26.0225	90.11
77.0	19.5611	36.4320	25.9716	90.06
78.0	19.4631	36.4523	26.0128	90.03
79.0	19.2676	36.4710	26.0780	89.99
80.0	19.0264	36.4499	26.1242	90.00

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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**CRUISE 0**  
**STATION D-4**

3.0	27.9470	34.9348	22.3651	90.58
4.0	27.9565	34.9339	22.3613	90.56
5.0	27.9674	34.9399	22.3623	90.59
6.0	27.9701	34.9429	22.3637	90.60
7.0	27.9710	34.9467	22.3662	90.62
8.0	27.9755	34.9539	22.3702	90.40
9.0	27.9808	34.9517	22.3667	90.58
10.0	27.9746	34.9555	22.3716	90.62
11.0	27.9775	34.9533	22.3690	90.62
12.0	27.9794	34.9608	22.3741	89.47
13.0	28.0183	34.9619	22.3622	90.66
14.0	28.0841	35.0105	22.3773	90.59
15.0	28.1347	35.0566	22.3953	90.54
16.0	28.1892	35.1140	22.4206	90.59
17.0	28.2152	35.1520	22.4406	90.60
18.0	28.2268	35.1849	22.4616	90.59
19.0	28.2870	35.2339	22.4786	90.58
20.0	28.3187	35.2476	22.4784	90.55
21.0	28.2862	35.3157	22.5403	90.57
22.0	27.9817	35.5919	22.8480	90.50
23.0	27.8717	35.7897	23.0329	90.38
24.0	27.8991	35.8791	23.0911	90.44
25.0	27.7579	36.0542	23.2690	90.34
26.0	27.4496	36.2856	23.5435	90.27
27.0	27.0391	36.5328	23.8624	90.31
28.0	26.4302	36.5926	24.1019	90.26
29.0	26.0758	36.6923	24.2890	90.31
30.0	25.9045	36.6283	24.2943	90.28
31.0	25.3961	36.5146	24.3667	90.15
32.0	24.9280	36.8115	24.7351	90.05
33.0	24.6263	36.4912	24.5844	89.93
34.0	24.1882	36.4695	24.7000	89.89
35.0	24.0445	36.5575	24.8095	89.91
36.0	24.0001	36.4973	24.7771	89.91
37.0	23.7485	36.4581	24.8222	89.86
38.0	23.4616	36.5061	24.9432	89.89
39.0	23.3426	36.6072	25.0548	89.87
40.0	23.2498	36.4039	24.9277	89.78
41.0	23.1819	36.4983	25.0191	89.70

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
42.0	23.1055	36.4892	25.0345	90.01
43.0	22.8842	36.5316	25.1309	90.24
44.0	22.7579	36.5089	25.1502	90.64
45.0	22.6576	36.6237	25.2662	90.74
46.0	22.5948	36.6268	25.2867	90.78
47.0	22.4952	36.6581	25.3389	90.69
48.0	22.4201	36.7436	25.4254	90.77
49.0	22.1383	36.7426	25.5049	90.73
50.0	21.8325	36.6698	25.5360	90.73
51.0	21.6416	36.7100	25.6200	90.65
52.0	21.5604	36.5623	25.5303	90.60
53.0	21.3434	36.5786	25.6030	90.60
54.0	21.1881	36.5022	25.5877	90.51
55.0	21.0948	36.5213	25.6280	90.51
56.0	21.0958	36.4371	25.5636	90.55
57.0	21.0761	36.4108	25.5489	90.55
58.0	21.0574	36.4405	25.5767	90.55
59.0	21.0405	36.4268	25.5708	90.54
60.0	21.0248	36.4000	25.5548	90.52
61.0	20.9733	36.4257	25.5885	90.52
62.0	20.8413	36.4503	25.6432	90.53
63.0	20.7549	36.4381	25.6575	90.58
64.0	20.7168	36.4232	25.6565	90.58
65.0	20.6703	36.4159	25.6635	90.55
66.0	20.6344	36.4204	25.6767	90.58
67.0	20.6109	36.4269	25.6880	90.63
68.0	20.5599	36.4061	25.6860	90.64
69.0	20.4914	36.3690	25.6762	90.66
70.0	20.3294	36.4122	25.7527	90.72
71.0	20.2445	36.4602	25.8121	90.73
72.0	20.1294	36.4009	25.7976	90.75
73.0	19.9838	36.4471	25.8716	90.72
74.0	19.8702	36.4284	25.8875	90.69
75.0	19.8476	36.4803	25.9331	90.68
76.0	19.8383	36.4556	25.9167	90.70
77.0	19.7813	36.4485	25.9264	90.71
78.0	19.6838	36.4554	25.9573	90.74
79.0	19.5220	36.4565	26.0006	90.72
80.0	19.4647	36.4711	26.0268	90.70
81.0	19.3994	36.4699	26.0429	90.68
82.0	19.3365	36.4333	26.0312	90.70
83.0	19.2643	36.4534	26.0654	90.63
84.0	19.2014	36.4637	26.0896	90.70



PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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85.0	19.1276	36.4524	26.1000	90.78
86.0	18.8939	36.5075	26.2025	90.75
87.0	18.7433	36.4835	26.2226	90.70
88.0	18.7248	36.4816	26.2258	90.64
89.0	18.7053	36.4498	26.2065	90.69
90.0	18.6938	36.4353	26.1983	90.68
91.0	18.6654	36.4552	26.2207	90.69
92.0	18.6214	36.4527	26.2300	90.70
93.0	18.5324	36.4652	26.2622	90.76
94.0	18.4804	36.4543	26.2670	90.81
95.0	18.3872	36.4773	26.3081	90.76
96.0	18.3206	36.4549	26.3078	90.70
97.0	18.2594	36.4545	26.3229	90.62
98.0	18.1430	36.4687	26.3629	90.89
99.0	18.0813	36.4786	26.3859	90.38
100.0	18.0203	36.4434	26.3741	90.10
101.0	17.9401	36.4418	26.3929	89.88
102.0	17.8603	36.4246	26.3994	90.12
103.0	17.8236	36.4512	26.4289	90.36
104.0	17.7742	36.4322	26.4266	90.60
105.0	17.7226	36.3899	26.4068	90.61
106.0	17.6696	36.4401	26.4584	90.67
107.0	17.5854	36.4416	26.4803	90.78
108.0	17.4888	36.3960	26.4689	90.70
109.0	17.3850	36.4077	26.5032	90.40
110.0	17.2642	36.4136	26.5370	88.68
111.0	17.2209	36.3610	26.5072	87.26
112.0	17.1690	36.3812	26.5352	87.39
113.0	17.1116	36.3648	26.5364	87.38
114.0	17.0817	36.3308	26.5176	86.87
115.0	17.0670	36.3285	26.5193	86.65
116.0	17.0594	36.3334	26.5249	86.50
117.0	17.0323	36.3415	26.5376	86.63
118.0	17.0042	36.3193	26.5273	86.89
119.0	16.9542	36.2959	26.5213	87.00
120.0	16.9223	36.3367	26.5604	87.17
121.0	16.8922	36.3088	26.5461	87.19
122.0	16.8866	36.3080	26.5468	87.07
123.0	16.8740	36.2889	26.5352	87.01
124.0	16.8636	36.2990	26.5454	86.97
125.0	16.8553	36.2706	26.5255	86.94
126.0	16.8526	36.2888	26.5402	86.90
127.0	16.8368	36.2894	26.5444	86.90

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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128.0	16.8125	36.2817	26.5443	86.98
129.0	16.7818	36.2861	26.5550	87.26
130.0	16.7474	36.2702	26.5509	87.37
131.0	16.7152	36.2583	26.5495	87.38
132.0	16.7026	36.2766	26.5665	87.17
133.0	16.6854	36.2566	26.5552	87.12
134.0	16.6733	36.2612	26.5616	87.38
135.0	16.6509	36.2564	26.5632	87.71
136.0	16.6339	36.2502	26.5625	87.52
137.0	16.6078	36.2598	26.5760	87.30
138.0	16.5862	36.2502	26.5737	87.13
139.0	16.5445	36.2569	26.5887	87.06
140.0	16.4950	36.2643	26.6061	87.03
141.0	16.4726	36.2468	26.5979	86.81
142.0	16.4724	36.2632	26.6105	86.83
143.0	16.4651	36.2482	26.6007	86.77
144.0	16.4523	36.2413	26.5985	86.79
145.0	16.4404	36.2380	26.5987	86.81
146.0	16.4318	36.2265	26.5919	86.92
147.0	16.4138	36.2302	26.5990	86.99
148.0	16.4113	36.2205	26.5921	87.02
149.0	16.4010	36.2212	26.5951	87.01
150.0	16.3864	36.2137	26.5927	86.96
151.0	16.3794	36.2205	26.5995	86.94
152.0	16.3713	36.2103	26.5936	86.96
153.0	16.3639	36.2202	26.6030	86.93
154.0	16.3441	36.2042	26.5953	86.97
155.0	16.3303	36.2181	26.6093	86.87
156.0	16.2923	36.2100	26.6119	86.92
157.0	16.2636	36.2335	26.6366	87.04
158.0	16.2247	36.2069	26.6252	87.09
159.0	16.1890	36.2123	26.6377	87.08
160.0	16.1650	36.2188	26.6483	87.17
161.0	16.1195	36.2102	26.6523	87.12
162.0	16.0750	36.2250	26.6739	87.15
163.0	16.0453	36.1832	26.6486	87.25
164.0	16.0269	36.1621	26.6366	87.20
165.0	16.0169	36.1636	26.6401	87.25
166.0	15.9829	36.1849	26.6644	87.31
167.0	15.9685	36.1800	26.6639	87.32
168.0	15.9602	36.1675	26.6562	87.35
169.0	15.9580	36.1620	26.6525	87.34
170.0	15.9541	36.1605	26.6522	87.37

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
171.0	15.9387	36.1504	26.6480	87.32
172.0	15.9227	36.1582	26.6577	87.37
173.0	15.9204	36.1541	26.6550	87.35
174.0	15.9178	36.1381	26.6433	87.41
175.0	15.9116	36.1429	26.6484	87.39
176.0	15.9065	36.1474	26.6531	87.39
177.0	15.9019	36.1364	26.6456	87.44
178.0	15.9006	36.1409	26.6495	87.40
179.0	15.8967	36.1310	26.6427	87.38
180.0	15.8944	36.1487	26.6569	87.39
181.0	15.8824	36.1339	26.6482	87.36
182.0	15.8618	36.1442	26.6609	87.40
183.0	15.7859	36.1567	26.6879	87.40
184.0	15.6735	36.1394	26.7002	87.30
185.0	15.5612	36.0856	26.6843	87.23
186.0	15.4968	36.1517	26.7499	87.24
187.0	15.4526	36.1021	26.7216	87.29
188.0	15.4028	36.1376	26.7602	87.16
189.0	15.2901	36.1556	26.7995	87.41
190.0	15.2277	36.0953	26.7669	87.49

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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**CRUISE 1  
MOORING STATION A**

2.5	19.8327	36.0776	25.6295
3.0	19.8310	36.0236	25.5888
3.5	19.8322	36.0967	25.6443
4.0	19.8324	36.1216	25.6632
4.5	19.8328	36.1259	25.6664
5.5	19.8331	36.1165	25.6591
6.0	19.8299	36.1237	25.6655
6.5	19.8301	36.1303	25.6704
7.5	19.8309	36.1394	25.6772
9.0	19.8341	36.1278	25.6675
9.5	19.8327	36.1169	25.6596
10.5	19.7873	36.1303	25.6817
11.0	19.7764	36.1317	25.6857
11.5	19.7634	36.1532	25.7055
12.5	19.7701	36.0885	25.6543
13.0	19.6862	36.0914	25.6786
13.5	19.6125	36.1230	25.7221
14.0	19.5748	36.1360	25.7419
14.5	19.5785	36.1348	25.7400
15.5	19.5587	36.0699	25.6956
16.0	19.5164	36.0718	25.7081
16.5	19.4465	36.1300	25.7709
17.0	19.4274	36.1096	25.7602
17.5	19.4038	36.0698	25.7359
18.5	19.3044	36.0852	25.7735
19.5	19.2327	36.0982	25.8021
20.0	19.2017	36.1183	25.8254
20.5	19.2033	36.1226	25.8283
21.0	19.1982	36.1081	25.8186
21.5	19.1864	36.1056	25.8197
22.5	19.1614	36.1049	25.8256
23.0	19.1510	36.0850	25.8131
24.5	19.1076	36.0632	25.8076
25.0	19.0549	36.0529	25.8133
25.5	18.9928	36.0754	25.8465
26.0	18.9769	36.0799	25.8540
26.5	18.9697	36.0695	25.8478
27.5	18.9383	36.0581	25.8472
28.0	18.9257	36.0727	25.8616

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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29.0	18.9088	36.0809	25.8722	
29.5	18.9064	36.0815	25.8732	
30.0	18.9028	36.0807	25.8736	
30.5	18.9007	36.0854	25.8777	
31.0	18.8992	36.0776	25.8721	
32.0	18.8958	36.0739	25.8701	
32.5	18.8955	36.0766	25.8723	

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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**CRUISE 1  
MOORING STATION B**

2.5	19.7506	36.0446	25.6260
4.0	19.7495	36.0832	25.6557
5.0	19.7455	36.0929	25.6642
6.0	19.7481	36.0925	25.6632
7.0	19.7513	36.0916	25.6616
8.0	19.7522	36.0957	25.6645
9.0	19.7543	36.0978	25.6656
10.0	19.7567	36.0893	25.6585
11.0	19.7577	36.0939	25.6617
12.0	19.7590	36.0930	25.6607
13.0	19.7576	36.0972	25.6643
14.0	19.7579	36.0996	25.6661
15.0	19.7589	36.1016	25.6673
16.0	19.7604	36.1003	25.6659
17.0	19.7611	36.1022	25.6672
18.0	19.7615	36.1017	25.6667
19.0	19.7622	36.1017	25.6665
20.0	19.7629	36.1026	25.6670
21.0	19.7622	36.1024	25.6670
22.0	19.7614	36.1045	25.6688
23.0	19.7593	36.1056	25.6703
24.0	19.7596	36.1047	25.6695
25.0	19.7595	36.1056	25.6702
26.0	19.7589	36.1041	25.6692
27.0	19.7592	36.1048	25.6697
28.0	19.7612	36.1070	25.6708
29.0	19.7634	36.1056	25.6692
30.0	19.7642	36.1051	25.6686
31.0	19.7641	36.1056	25.6690
32.0	19.7639	36.1059	25.6692
33.0	19.7630	36.1050	25.6688
34.0	19.7632	36.1061	25.6696
35.0	19.7635	36.1099	25.6724
36.0	19.7636	36.1072	25.6703
37.0	19.7601	36.1065	25.6707
38.0	19.7550	36.1079	25.6731
39.0	19.7586	36.1073	25.6717
40.0	19.7586	36.1083	25.6725
41.0	19.7591	36.1078	25.6720

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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42.0	19.7585	36.1061	25.6708	
43.0	19.7583	36.1074	25.6719	
44.0	19.7592	36.1082	25.6722	
45.0	19.7601	36.1079	25.6718	
46.0	19.7598	36.1075	25.6716	
47.0	19.7608	36.1070	25.6709	
48.0	19.7602	36.1079	25.6718	
49.0	19.7562	36.1080	25.6729	
50.0	19.7500	36.1066	25.6734	
51.0	19.7505	36.1065	25.6733	
52.0	19.7500	36.1078	25.6744	
53.0	19.7505	36.1065	25.6733	
54.0	19.7498	36.1068	25.6737	
55.0	19.7503	36.1075	25.6740	
56.0	19.7515	36.1071	25.6735	
57.0	19.7522	36.1070	25.6732	
58.0	19.7515	36.1071	25.6735	
59.0	19.7512	36.1071	25.6735	

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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**CRUISE 1  
MOORING STATION C**

5.0	21.8345	36.2897	25.2462
6.0	21.8436	36.2895	25.2435
7.0	21.8453	36.2887	25.2424
8.0	21.8461	36.2880	25.2417
9.0	21.8456	36.2880	25.2418
10.0	21.8465	36.2882	25.2417
11.0	21.8462	36.2885	25.2420
12.0	21.8449	36.2881	25.2421
13.0	21.8456	36.2876	25.2415
14.0	21.8455	36.2883	25.2421
15.0	21.8462	36.2872	25.2410
16.0	21.8456	36.2886	25.2422
17.0	21.8459	36.2896	25.2429
18.0	21.8467	36.2877	25.2413
19.0	21.8468	36.2894	25.2425
20.0	21.8474	36.2881	25.2414
21.0	21.8461	36.2877	25.2414
22.0	21.8466	36.2888	25.2422
23.0	21.8469	36.2886	25.2419
24.0	21.8451	36.2875	25.2415
25.0	21.8459	36.2896	25.2429
27.0	21.8459	36.2888	25.2424
28.0	21.8455	36.2897	25.2431
29.0	21.8455	36.2885	25.2422
30.0	21.8453	36.2887	25.2424
31.0	21.8462	36.2889	25.2423
32.0	21.8455	36.2887	25.2424
33.0	21.8462	36.2894	25.2427
34.0	21.8468	36.2900	25.2430
35.0	21.8484	36.2913	25.2435
36.0	21.8483	36.2895	25.2422
37.0	21.8470	36.2896	25.2426
38.0	21.8477	36.2886	25.2417
39.0	21.8479	36.2891	25.2420
40.0	21.8476	36.2893	25.2422
41.0	21.8477	36.2892	25.2421
42.0	21.8477	36.2896	25.2424
43.0	21.8482	36.2893	25.2421
44.0	21.8488	36.2902	25.2426



PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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45.0	21.8487	36.2904	25.2428
46.0	21.8484	36.2895	25.2422
47.0	21.8483	36.2883	25.2412
49.0	21.8483	36.2885	25.2414
50.0	21.8485	36.2885	25.2414
52.0	21.8498	36.2882	25.2408
53.0	21.8502	36.2886	25.2410
54.0	21.8504	36.2886	25.2409
55.0	21.8504	36.2887	25.2410
56.0	21.8496	36.2895	25.2418
57.0	21.8489	36.2915	25.2436
58.0	21.8505	36.2888	25.2410
59.0	21.8509	36.2892	25.2412
60.0	21.8511	36.2892	25.2412
61.0	21.8514	36.2886	25.2406
62.0	21.8511	36.2885	25.2406
63.0	21.8506	36.2897	25.2417
64.0	21.8518	36.2892	25.2410
65.0	21.8518	36.2885	25.2405
66.0	21.8526	36.2874	25.2394
67.0	21.8523	36.2884	25.2402
68.0	21.8512	36.2886	25.2407
69.0	21.8514	36.2899	25.2416
70.0	21.8514	36.2890	25.2409
71.0	21.8518	36.2888	25.2407
72.0	21.8504	36.2888	25.2411
73.0	21.8510	36.2890	25.2411
74.0	21.8517	36.2896	25.2413
75.0	21.8514	36.2884	25.2405
76.0	21.8517	36.2879	25.2400
77.0	21.8502	36.2869	25.2397
78.0	21.8483	36.2900	25.2426
79.0	21.8444	36.2897	25.2434
80.0	21.8397	36.2915	25.2461
81.0	21.8387	36.2912	25.2462
82.0	21.8383	36.2894	25.2449
83.0	21.8369	36.2916	25.2470
84.0	21.8366	36.2909	25.2465
85.0	21.8361	36.2917	25.2473
86.0	21.5669	36.3140	25.3395
87.0	20.8918	36.3848	25.5791
88.0	20.6342	36.4449	25.6954
89.0	20.5664	36.4719	25.7344

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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90.0	20.5192	36.4460	25.7274	
91.0	20.4382	36.4673	25.7655	
92.0	20.3565	36.5569	25.8558	
93.0	20.3180	36.4777	25.8057	
94.0	20.2370	36.4735	25.8243	
95.0	20.1610	36.3846	25.7767	
96.0	20.0515	36.3972	25.8155	
97.0	19.9143	36.5264	25.9507	
98.0	19.8121	36.5093	25.9646	
99.0	19.7749	36.4592	25.9362	
100.0	19.6935	36.4507	25.9512	
101.0	19.6163	36.4685	25.9850	
102.0	19.5288	36.6039	26.1114	
103.0	19.4213	36.4385	26.0132	
104.0	19.3634	36.4724	26.0542	
106.0	19.2952	36.4901	26.0855	
107.0	19.2802	36.5270	26.1176	
108.0	19.2359	36.5647	26.1579	
109.0	19.1486	36.4544	26.0961	
110.0	19.0532	36.4534	26.1200	
111.0	19.0127	36.4658	26.1399	
112.0	18.9908	36.4876	26.1623	
113.0	18.9824	36.5194	26.1887	
114.0	18.9480	36.5053	26.1868	
115.0	18.7983	36.4968	26.2187	
116.0	18.7280	36.3984	26.1613	
117.0	18.6322	36.4330	26.2122	
118.0	18.6028	36.4410	26.2258	
119.0	18.5654	36.4051	26.2078	
120.0	18.5284	36.4532	26.2540	
121.0	18.5004	36.4864	26.2865	
122.0	18.4232	36.4060	26.2445	
123.0	18.3229	36.3954	26.2616	
124.0	18.2507	36.4122	26.2926	
125.0	18.1748	36.4072	26.3078	
126.0	18.0783	36.4115	26.3352	
127.0	18.0481	36.3964	26.3311	
128.0	17.9921	36.3673	26.3228	
129.0	17.9442	36.3772	26.3423	
130.0	17.8878	36.3294	26.3196	
131.0	17.7785	36.4302	26.4239	
132.0	17.7635	36.4293	26.4270	
133.0	17.7141	36.3781	26.3998	

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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134.0	17.6904	36.3190	26.3604	
135.0	17.6412	36.3128	26.3677	
136.0	17.5802	36.3210	26.3890	
137.0	17.4935	36.3701	26.4479	
138.0	17.3441	36.2809	26.4158	
139.0	17.2092	36.2669	26.4377	
140.0	17.1853	36.2726	26.4479	
142.0	17.1387	36.2799	26.4647	
143.0	17.1158	36.3339	26.5117	
144.0	17.1171	36.3305	26.5088	
145.0	17.1113	36.2933	26.4816	
146.0	17.0870	36.2673	26.4675	
147.0	17.0353	36.2445	26.4624	
148.0	16.9929	36.2538	26.4797	
149.0	16.9327	36.2243	26.4715	
150.0	16.8074	36.2766	26.5416	
151.0	16.6786	36.1330	26.4618	
152.0	16.5897	36.0886	26.4487	
154.0	16.4016	36.0938	26.4970	
155.0	16.3465	36.1946	26.5874	
156.0	16.2340	36.1915	26.6112	
157.0	16.1413	36.1423	26.5949	
158.0	16.0822	36.0952	26.5724	
159.0	16.0079	36.1321	26.6179	
160.0	15.9869	36.1145	26.6093	
161.0	15.9731	36.0767	26.5834	
162.0	15.9406	36.0402	26.5627	
163.0	15.8672	36.1233	26.6435	
164.0	15.8413	36.0747	26.6121	
165.0	15.8076	36.0599	26.6084	
166.0	15.7857	36.0575	26.6116	
167.0	15.7677	36.0708	26.6259	
169.0	15.7412	36.0806	26.6395	
170.0	15.7076	36.1161	26.6745	
171.0	15.6844	35.9458	26.5487	
172.0	15.6078	35.9798	26.5922	
173.0	15.5346	36.0158	26.6366	
174.0	15.5095	36.0499	26.6685	
175.0	15.4890	36.0260	26.6548	
176.0	15.4768	35.9913	26.6307	
177.0	15.4417	35.9733	26.6248	
178.0	15.4085	36.0121	26.6622	
179.0	15.3678	36.0737	26.7189	

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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180.0	15.3207	35.9521	26.6357	
182.0	15.2401	35.9813	26.6762	
183.0	15.1923	36.0207	26.7173	
184.0	15.1570	35.9840	26.6969	
185.0	15.1251	35.9741	26.6963	
186.0	15.1007	35.9156	26.6566	
187.0	15.0246	35.9642	26.7111	
188.0	14.9892	35.9680	26.7218	
189.0	14.9602	35.9739	26.7328	
190.0	14.9327	35.9516	26.7216	
191.0	14.9136	35.9062	26.6908	
192.0	14.8367	35.8980	26.7014	
193.0	14.7947	35.9382	26.7417	
194.0	14.7173	35.9193	26.7441	
195.0	14.6807	35.8754	26.7182	
196.0	14.6341	35.8990	26.7466	
197.0	14.6126	35.9336	26.7780	
198.0	14.5946	35.8972	26.7538	
199.0	14.5726	35.8397	26.7141	
200.0	14.5251	35.8825	26.7575	
201.0	14.5243	35.8850	26.7596	
202.0	14.5111	35.8997	26.7739	
203.0	14.4779	35.8784	26.7646	
204.0	14.4249	35.8515	26.7553	
206.0	14.3691	35.8508	26.7667	
207.0	14.3341	35.8424	26.7678	
208.0	14.2632	35.8941	26.8230	
209.0	14.2452	35.8385	26.7839	
210.0	14.2218	35.8261	26.7793	
211.0	14.1904	35.8019	26.7673	
212.0	14.1161	35.8444	26.8160	
213.0	14.0560	35.8518	26.8345	
214.0	13.9593	35.7608	26.7847	
215.0	13.9056	35.7258	26.7689	
216.0	13.8070	35.7060	26.7743	
217.0	13.6677	35.7115	26.8079	
218.0	13.6361	35.7581	26.8504	
219.0	13.5604	35.8220	26.9156	
220.0	13.5237	35.7088	26.8356	
221.0	13.4967	35.7043	26.8377	
223.0	13.4566	35.7156	26.8548	
224.0	13.4286	35.7628	26.8971	
225.0	13.3633	35.6819	26.8479	

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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226.0	13.3076	35.6879	26.8640
227.0	13.2875	35.6900	26.8698
228.0	13.2603	35.6825	26.8695
229.0	13.2384	35.6991	26.8869
230.0	13.2311	35.6762	26.8707
231.0	13.1791	35.6437	26.8560
232.0	13.1488	35.6930	26.9004
233.0	13.1247	35.7092	26.9179
234.0	13.0704	35.6540	26.8861
235.0	13.0582	35.6583	26.8919
236.0	13.0519	35.6495	26.8864
237.0	13.0419	35.6619	26.8981
238.0	13.0360	35.6737	26.9084
239.0	13.0358	35.6481	26.8886
240.0	13.0322	35.6496	26.8905
241.0	13.0243	35.6520	26.8939
242.0	13.0176	35.6458	26.8905
243.0	13.0034	35.6320	26.8827
244.0	12.9864	35.6392	26.8917
245.0	12.9557	35.6424	26.9004
246.0	12.9304	35.6326	26.8979
247.0	12.9151	35.6253	26.8953
248.0	12.8626	35.5618	26.8566
249.0	12.8028	35.6139	26.9090
250.0	12.7817	35.6188	26.9170
251.0	12.7676	35.5935	26.9002
252.0	12.7204	35.5801	26.8993
253.0	12.6742	35.5684	26.8994
254.0	12.6284	35.5924	26.9271
255.0	12.6171	35.5748	26.9157
256.0	12.5815	35.5562	26.9083
257.0	12.5275	35.5313	26.8997
258.0	12.4155	35.5745	26.9552
259.0	12.3993	35.5544	26.9429
260.0	12.3612	35.5434	26.9418
261.0	12.3321	35.5302	26.9372
262.0	12.3031	35.5350	26.9467
263.0	12.2821	35.5352	26.9509
264.0	12.2088	35.5149	26.9494
265.0	12.2026	35.5307	26.9629
266.0	12.1899	35.5305	26.9651
267.0	12.1672	35.5159	26.9582
268.0	12.1294	35.4950	26.9493

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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269.0	12.1045	35.4907	26.9508
270.0	12.0801	35.5076	26.9686
271.0	12.0640	35.5125	26.9756
272.0	12.0352	35.5430	27.0048
273.0	12.0225	35.4863	26.9632
274.0	12.0017	35.4924	26.9720
275.0	12.0023	35.4980	26.9762
276.0	11.9987	35.5018	26.9799
277.0	11.9865	35.4906	26.9735
278.0	11.9674	35.4867	26.9741
279.0	11.9530	35.4838	26.9746
280.0	11.9236	35.4907	26.9856
281.0	11.9191	35.4783	26.9769
282.0	11.9100	35.4556	26.9609
283.0	11.8847	35.4521	26.9630
284.0	11.8637	35.4652	26.9773
285.0	11.8264	35.4880	27.0021
286.0	11.7942	35.3242	26.8809
287.0	11.6411	35.2910	26.8840
288.0	11.5497	35.3228	26.9259
289.0	11.4631	35.4352	27.0296
290.0	11.3482	35.3505	26.9851
291.0	11.1614	35.3860	27.0472
292.0	11.0563	35.3326	27.0248
293.0	10.9746	35.3378	27.0438
294.0	10.9181	35.3255	27.0445
295.0	10.8813	35.3149	27.0429
296.0	10.8409	35.3257	27.0586
297.0	10.8078	35.4029	27.1248
298.0	10.7979	35.3496	27.0850
299.0	10.7083	35.2722	27.0408
300.0	10.6737	35.2997	27.0684
302.0	10.6384	35.2606	27.0442
303.0	10.5895	35.3164	27.0964
304.0	10.5537	35.2874	27.0802
305.0	10.5462	35.2722	27.0697
306.0	10.5341	35.2621	27.0639
307.0	10.5122	35.2674	27.0719
308.0	10.4989	35.2775	27.0822
309.0	10.4878	35.2948	27.0976
310.0	10.4720	35.2965	27.1017
311.0	10.4599	35.2644	27.0788
312.0	10.4512	35.2223	27.0475

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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314.0	10.3671	35.1636	27.0165	
315.0	10.2685	35.2170	27.0754	
316.0	10.1922	35.2723	27.1319	
317.0	10.1612	35.2025	27.0828	
318.0	10.1252	35.2167	27.1001	
319.0	10.1078	35.2194	27.1052	
320.0	10.0993	35.2309	27.1156	
321.0	10.0971	35.2524	27.1328	
322.0	10.0751	35.2184	27.1101	
323.0	10.0594	35.2058	27.1029	
324.0	10.0458	35.1960	27.0976	
325.0	10.0303	35.2031	27.1058	
326.0	10.0228	35.2055	27.1090	
327.0	10.0066	35.2299	27.1308	
328.0	9.9944	35.1965	27.1069	
329.0	9.9836	35.1983	27.1102	
330.0	9.9711	35.1939	27.1088	
331.0	9.9436	35.2146	27.1297	
332.0	9.9348	35.1637	27.0915	
333.0	9.9126	35.1571	27.0901	
334.0	9.8929	35.1572	27.0935	
335.0	9.8769	35.1700	27.1063	
336.0	9.8651	35.1855	27.1204	
336.6	9.8312	35.2034	27.1401	
338.0	9.8217	35.1551	27.1040	
339.0	9.8038	35.1235	27.0823	
340.0	9.7477	35.1384	27.1035	
341.0	9.7204	35.1284	27.1003	
342.0	9.6595	35.1799	27.1508	
343.0	9.6301	35.1492	27.1318	
344.0	9.6142	35.1313	27.1204	
345.0	9.5992	35.1155	27.1106	
346.0	9.5820	35.1299	27.1247	
347.0	9.5610	35.1514	27.1451	
348.0	9.5434	35.1739	27.1656	
349.0	9.5289	35.1364	27.1386	
350.0	9.5252	35.1381	27.1406	
351.0	9.5210	35.1366	27.1401	
352.0	9.5188	35.1157	27.1241	
353.0	9.4796	35.1358	27.1464	
354.0	9.4629	35.1276	27.1428	
355.0	9.4408	35.1114	27.1337	
356.0	9.4156	35.1292	27.1518	

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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357.0	9.4000	35.1218	27.1486	
358.0	9.3677	35.1103	27.1449	
359.0	9.3479	35.1191	27.1551	
360.0	9.3303	35.1147	27.1546	
361.0	9.3161	35.1117	27.1546	
362.0	9.3062	35.1119	27.1564	
363.0	9.2887	35.1125	27.1597	
364.0	9.2532	35.1073	27.1614	
365.0	9.2354	35.0929	27.1531	
366.0	9.2200	35.0701	27.1378	
367.0	9.1951	35.0999	27.1652	
368.0	9.1957	35.1101	27.1730	
369.0	9.1903	35.1040	27.1691	
370.0	9.1961	35.0701	27.1417	
371.0	9.1670	35.0684	27.1451	
372.0	9.1407	35.0766	27.1557	
373.0	9.1099	35.0961	27.1761	
374.0	9.0858	35.0763	27.1644	
375.0	9.0545	35.0760	27.1693	
376.0	9.0366	35.1052	27.1950	
377.0	9.0280	35.0731	27.1713	
378.0	9.0083	35.0875	27.1857	
379.0	9.0056	35.0867	27.1855	
380.0	8.9781	35.1122	27.2100	
381.0	8.9558	35.0605	27.1730	
382.0	8.9328	35.0620	27.1779	
383.0	8.9129	35.0674	27.1853	
384.0	8.9050	35.0709	27.1894	
385.0	8.9011	35.0822	27.1988	
386.0	8.9008	35.0712	27.1902	
387.0	8.8985	35.0638	27.1848	
388.0	8.8983	35.0623	27.1837	
389.0	8.8936	35.0598	27.1825	
390.0	8.8854	35.0636	27.1868	
391.0	8.8614	35.0504	27.1803	
392.0	8.8465	35.0496	27.1820	
393.0	8.8256	35.0525	27.1876	
394.0	8.7929	35.0500	27.1908	
395.0	8.7809	35.0558	27.1973	
396.0	8.7779	35.0500	27.1932	
397.0	8.7625	35.0454	27.1921	
398.0	8.7419	35.0278	27.1816	
399.0	8.7105	35.0297	27.1880	



PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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400.0	8.6903	35.0601	27.2150	
401.0	8.6575	35.0301	27.1966	
402.0	8.6481	35.0267	27.1954	
403.0	8.6292	35.0216	27.1944	
404.0	8.6161	35.0425	27.2128	
405.0	8.6034	35.0280	27.2035	
406.0	8.5931	35.0059	27.1878	
407.0	8.5764	35.0231	27.2039	
408.0	8.5693	35.0310	27.2112	
409.0	8.5631	35.0280	27.2098	
410.0	8.5621	35.0248	27.2075	
411.0	8.5551	35.0306	27.2131	
412.0	8.5499	35.0295	27.2130	
413.0	8.5518	35.0263	27.2102	
414.0	8.5505	35.0269	27.2109	
415.0	8.5502	35.0298	27.2133	
416.0	8.5494	35.0235	27.2084	
417.0	8.5502	35.0224	27.2075	
418.0	8.5513	35.0218	27.2068	
419.0	8.5498	35.0241	27.2088	
420.0	8.5501	35.0277	27.2116	
421.0	8.5506	35.0245	27.2090	
422.0	8.5492	35.0215	27.2069	
423.0	8.5503	35.0206	27.2060	
424.0	8.5516	35.0212	27.2063	
425.0	8.5485	35.0222	27.2076	
426.0	8.5496	35.0261	27.2104	
427.0	8.7039	34.7130	26.9408	

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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**CRUISE 1**  
**STATION CTD-1**

5.0	20.5729	35.9638	25.3452
6.0	20.5782	35.9719	25.3499
7.0	20.5742	35.9782	25.3558
8.0	20.5880	35.9730	25.3482
9.0	20.5785	35.9747	25.3521
10.0	20.5746	35.9683	25.3482
11.0	20.5524	35.9772	25.3610
12.0	20.5489	35.9614	25.3499
13.0	20.5323	35.9685	25.3597
14.0	20.5266	35.9588	25.3539
15.0	20.5185	35.9695	25.3642
16.0	20.5108	35.9356	25.3404
17.0	20.4364	35.9656	25.3833
18.0	20.3622	35.8567	25.3202
19.0	20.2210	35.8535	25.3555
20.0	20.1319	35.9086	25.4213
21.0	20.0119	35.9383	25.4758
22.0	19.9509	35.8140	25.3971
23.0	19.8329	35.8079	25.4236
24.0	19.7158	35.9246	25.5434
25.0	19.6121	35.8427	25.5081
26.0	19.5049	35.8474	25.5397
27.0	19.4729	35.9023	25.5900
28.0	19.4008	35.9702	25.6606
29.0	19.3796	35.8287	25.5580
30.0	19.3800	35.8730	25.5917
31.0	19.3667	35.8888	25.6072
32.0	19.3663	35.9304	25.6391
33.0	19.3684	35.8952	25.6117
35.0	19.3742	35.8961	25.6109
36.0	19.3773	35.9011	25.6139
37.0	19.3821	35.9167	25.6246
38.0	19.3830	35.8922	25.6056
39.0	19.3838	35.8975	25.6095
40.0	19.3834	35.8976	25.6096
41.0	19.3821	35.9072	25.6173
42.0	19.3807	35.9005	25.6126
43.0	19.3797	35.9080	25.6185
44.0	19.3895	35.9156	25.6218

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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45.0	19.4039	35.9291	25.6284	
45.5	19.4253	35.9352	25.6275	
47.0	19.4400	35.9871	25.6633	
48.0	19.4662	36.0034	25.6690	
49.0	19.4920	35.9979	25.6580	
50.0	19.5145	36.0292	25.6761	
51.0	19.5317	36.0490	25.6867	
52.0	19.5415	36.0583	25.6912	
53.0	19.5297	36.0783	25.7096	
54.0	19.5101	36.1057	25.7357	
55.0	19.4999	36.1093	25.7410	
56.0	19.4796	36.1159	25.7514	
57.0	19.4641	36.1309	25.7669	
58.0	19.4469	36.1382	25.7770	
59.0	19.4346	36.1590	25.7961	
60.0	19.4254	36.1746	25.8104	
61.0	19.4225	36.1785	25.8141	
62.0	19.4191	36.1793	25.8156	
63.0	19.4180	36.1797	25.8162	

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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**CRUISE 1**  
**STATION CTD-2**

3.5	18.8299	35.5433	25.4811
5.0	18.8439	35.5714	25.4990
6.0	18.8432	35.5827	25.5078
7.0	18.8411	35.5881	25.5125
8.0	18.8419	35.5862	25.5108
9.0	18.8421	35.5792	25.5054
10.0	18.8429	35.5829	25.5081
11.0	18.8279	35.5974	25.5230
12.0	18.8176	35.5782	25.5109
13.0	18.8056	35.5844	25.5187
14.0	18.7827	35.3505	25.3456
15.0	18.1727	35.1777	25.3663
16.0	17.7043	35.5430	25.7619
17.0	17.6825	35.5642	25.7834
18.0	17.6205	35.5202	25.7649
19.0	17.6057	35.5232	25.7708
20.0	17.5767	35.5687	25.8128
21.0	17.5481	35.5289	25.7892
22.0	17.5769	35.5805	25.8218
23.0	17.5975	35.6097	25.8391
24.0	17.6290	35.6271	25.8448
25.0	17.6788	35.6669	25.8631
26.0	17.7264	35.6891	25.8685
27.0	17.7358	35.6934	25.8695
28.0	17.7422	35.7081	25.8792
29.0	17.7406	35.7040	25.8765
30.0	17.7328	35.7114	25.8840
31.0	17.7204	35.7189	25.8928
32.0	17.7108	35.7208	25.8966
33.0	17.7117	35.7222	25.8975
34.0	17.7072	35.7334	25.9072
35.0	17.7034	35.7254	25.9019
36.0	17.7032	35.7246	25.9014
37.0	17.7032	35.7316	25.9067

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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**CRUISE 1**  
**STATION CTD-3**

3.0	18.1320	35.1637	25.3658
3.5	18.1398	35.2063	25.3966
4.0	18.1408	35.2110	25.3999
4.5	18.1384	35.2199	25.4073
5.5	18.1383	35.2256	25.4118
6.0	18.1376	35.2218	25.4090
6.5	18.1358	35.2250	25.4119
7.0	18.1390	35.2234	25.4099
7.5	18.1395	35.2193	25.4066
8.0	18.1351	35.2172	25.4061
8.5	18.1311	35.2226	25.4112
9.0	18.1320	35.2170	25.4067
9.5	18.1269	35.2174	25.4082
10.5	18.1258	35.2194	25.4101
11.0	18.1265	35.2185	25.4092
12.0	18.1258	35.2177	25.4087
12.5	18.1255	35.2179	25.4089
13.0	18.1242	35.2176	25.4091
13.5	18.1241	35.2202	25.4111
14.0	18.1255	35.2217	25.4119
15.0	18.1267	35.2213	25.4113
15.5	18.1289	35.2192	25.4092
16.0	18.1259	35.2192	25.4099
16.5	18.1239	35.2195	25.4106
17.0	18.1241	35.2183	25.4097
18.0	18.1245	35.2167	25.4083
18.5	18.1209	35.2188	25.4108
19.0	18.1202	35.2284	25.4184
19.5	18.1234	35.2459	25.4309
20.0	18.1509	35.2309	25.4127
20.5	18.1567	35.2247	25.4064
21.0	18.1532	35.3042	25.4682
21.5	18.1814	35.2922	25.4520
22.5	18.1104	35.2737	25.4555
23.0	18.0456	35.1779	25.3981
24.0	17.8011	35.1552	25.4409
24.5	17.5654	35.2827	25.5962
25.0	17.4448	35.3890	25.7070
25.5	17.4097	35.3627	25.6953

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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26.0	17.4029	35.3519	25.6887	
26.5	17.4022	35.3536	25.6901	
27.5	17.4024	35.3522	25.6890	
28.0	17.4032	35.3520	25.6886	
28.5	17.4017	35.3561	25.6922	
29.0	17.4045	35.3594	25.6940	
29.5	17.4047	35.3549	25.6905	
30.0	17.4047	35.3583	25.6932	
30.5	17.4097	35.3613	25.6942	
31.0	17.4176	35.3641	25.6945	
31.5	17.4144	35.3763	25.7046	
32.5	17.3927	35.4283	25.7499	

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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**CRUISE 1**  
**STATION CTD-4**

3.5	17.8670	35.2710	25.5135
4.0	17.8680	35.2617	25.5061
4.5	17.8609	35.2572	25.5044
5.0	17.8560	35.2668	25.5130
5.5	17.8541	35.2659	25.5127
6.0	17.8522	35.2775	25.5221
6.5	17.8590	35.2693	25.5142
7.0	17.8576	35.2643	25.5107
7.5	17.8535	35.2681	25.5146
8.5	17.8545	35.2728	25.5179
9.0	17.8594	35.2133	25.4712
9.5	17.8541	35.2654	25.5124
10.0	17.8518	35.2578	25.5071
11.0	17.8434	35.2656	25.5152
12.0	17.8454	35.2691	25.5173
12.5	17.8484	35.2651	25.5135
13.0	17.8490	35.2655	25.5137
13.5	17.8482	35.2663	25.5145
14.0	17.8492	35.2654	25.5136
15.0	17.8468	35.2653	25.5141
15.5	17.8471	35.2652	25.5139
16.0	17.8471	35.2666	25.5150
16.5	17.8484	35.2688	25.5164
17.0	17.8493	35.2687	25.5161
18.0	17.8481	35.2655	25.5139
18.5	17.8474	35.2671	25.5153
19.0	17.8483	35.2651	25.5135
19.5	17.8478	35.2639	25.5128
20.0	17.8478	35.2637	25.5126
21.0	17.8440	35.2633	25.5133
21.5	17.8412	35.2667	25.5165

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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**CRUISE 2  
STATION C-1**

3.5	16.9345	31.3410	22.7241	85.47
4.5	16.9077	31.3513	22.7382	85.51
5.0	16.8634	31.3783	22.7691	85.53
5.5	16.8222	31.3651	22.7684	85.42
6.0	16.8070	31.3325	22.7470	85.30
6.5	16.7868	31.3412	22.7583	85.34
7.0	16.7715	31.3524	22.7704	85.35
7.5	16.7502	31.3618	22.7825	84.75
8.0	16.7468	31.3799	22.7972	84.92
8.5	16.7541	31.3851	22.7995	85.19
9.0	16.7498	31.3955	22.8084	85.11
9.5	16.7512	31.4142	22.8224	85.18
10.5	16.7499	31.4411	22.8433	85.42
11.0	16.7543	31.4303	22.8341	85.63
12.0	16.7461	31.4628	22.8609	85.19
12.5	16.7335	31.4676	22.8674	84.61
13.0	16.7265	31.4751	22.8748	84.64
13.5	16.7172	31.4794	22.8802	86.32
14.0	16.7204	32.5105	23.6703	86.12
15.0	16.8103	34.4991	25.1755	86.65
15.5	16.9756	34.8997	25.4440	85.13
16.0	17.2854	35.1497	25.5619	84.34
16.5	17.4618	35.1883	25.5489	83.05
17.0	17.4935	35.3956	25.7002	81.82
17.5	17.5322	35.5145	25.7820	71.51
18.0	17.5524	35.5654	25.8162	72.14
18.5	17.5523	35.6002	25.8428	70.87
19.0	17.5520	35.6264	25.8630	69.29
20.0	17.5523	35.6466	25.8784	66.58
20.5	17.5477	35.6524	25.8840	65.63
21.0	17.5556	35.6475	25.8783	65.73



PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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**CRUISE 2**  
**STATION M-1**

3.5	17.2324	31.9978	23.1581
4.0	17.2344	31.9697	23.1360
4.5	17.2369	31.9628	23.1302
5.0	17.2390	31.9747	23.1388
6.0	17.2184	31.9761	23.1447
6.5	17.1614	32.0005	23.1767
7.0	17.1131	32.0257	23.2073
7.5	17.1031	32.0421	23.2222
8.0	17.0956	32.0627	23.2398
8.5	17.0923	32.0799	23.2537
9.0	17.0689	32.1438	23.3082
9.5	17.1024	32.5271	23.5941
10.0	17.2090	32.4740	23.5284
10.5	17.2435	32.4234	23.4815
11.0	17.2144	32.4034	23.4730
12.0	17.1440	32.4070	23.4924
12.5	17.0696	32.4594	23.5500
13.0	17.0793	33.0728	24.0179
13.5	17.5901	34.3372	24.8657

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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**CRUISE 2**  
**STATION M-2**

4.0	18.3228	33.8606	24.3212	65.04
5.0	18.3244	33.9661	24.4015	70.78
6.0	18.3217	33.9915	24.4216	70.85
7.0	18.3271	33.9786	24.4104	70.99
8.0	18.3319	33.9762	24.4074	71.18
9.0	18.3331	33.9727	24.4044	71.06
10.0	18.3280	33.9972	24.4244	71.46
11.0	18.3333	34.0171	24.4383	70.91
12.0	18.3464	33.9996	24.4217	71.01
13.0	18.4285	34.6531	24.9013	70.33
14.0	18.6007	35.0178	25.1371	69.89
15.0	18.7959	35.2926	25.2980	68.97
16.0	18.9148	35.2494	25.2347	70.84
17.0	19.0257	35.3846	25.3098	73.12
17.6	19.0592	35.4584	25.3576	73.80
19.0	19.0680	35.4622	25.3582	75.10
20.0	19.0722	35.4801	25.3709	74.94
21.0	19.0717	35.4895	25.3782	75.61
22.0	19.0745	35.4971	25.3833	76.64
23.0	19.0694	35.4972	25.3847	76.94
24.0	19.0627	35.5073	25.3941	76.79
25.0	19.0632	35.5061	25.3930	77.00
26.0	19.0272	35.5150	25.4091	77.36
27.0	19.0146	35.5090	25.4077	77.41
28.0	19.0025	35.5113	25.4125	77.58
29.0	18.9957	35.5082	25.4119	78.13
30.0	18.9931	35.5010	25.4071	77.88
31.0	18.9289	35.5810	25.4847	77.90
32.0	18.8979	35.5966	25.5045	78.93
34.0	18.8028	35.8904	25.7535	78.75
36.0	19.0466	36.2673	25.9794	82.51
38.0	19.0976	36.3288	26.0133	82.42
40.0	19.0346	36.3766	26.0661	80.17
41.0	19.0124	36.4031	26.0921	79.06
42.0	19.0083	36.3808	26.0761	78.68
43.0	19.0016	36.3746	26.0730	78.43
44.0	18.9774	36.3710	26.0765	78.12
45.0	18.9350	36.3006	26.0336	77.49
46.0	18.8494	36.3009	26.0557	76.77

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
47.0	18.6539	36.4952	26.2543	76.01
48.0	18.6248	36.3345	26.1387	75.58
49.0	18.5261	36.3125	26.1469	74.94
50.0	18.4060	36.3235	26.1856	73.45
51.0	18.3587	36.3350	26.2064	72.43
52.0	18.3278	36.3454	26.2221	71.69
54.0	18.2967	36.3313	26.2191	70.87
55.0	18.2903	36.3419	26.2288	70.43
56.0	18.2794	36.3374	26.2281	70.00
57.0	18.2796	36.3462	26.2348	70.84
58.0	18.2743	36.3424	26.2332	70.28
59.0	18.2726	36.3325	26.2261	70.06
60.0	18.2728	36.3236	26.2192	70.25
61.0	18.2663	36.3466	26.2384	69.63

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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**CRUISE 2**  
**STATION M-3**

4.0	18.9193	34.5030	24.6630	88.93
5.0	18.9181	34.4869	24.6510	88.54
7.0	18.9149	34.5142	24.6726	88.60
8.0	18.9175	34.4912	24.6544	88.60
9.0	18.9180	34.4917	24.6546	88.67
10.0	18.9196	34.4956	24.6572	88.54
11.0	18.9171	34.4886	24.6525	88.56
12.0	18.9189	34.4959	24.6576	88.79
13.0	18.9066	34.5010	24.6646	88.55
14.0	18.8999	34.5063	24.6704	88.57
15.0	18.8821	34.5223	24.6872	88.55
16.0	18.8295	34.5370	24.7117	88.53
17.0	18.7263	34.6247	24.8048	88.41
18.0	18.5970	34.6915	24.8884	88.22
19.0	18.2770	34.8675	25.1029	87.99
20.0	18.1146	34.9582	25.2128	87.81
21.0	18.1252	34.9792	25.2262	87.69
22.0	18.1573	35.0037	25.2370	87.61
23.0	18.2971	35.3375	25.4579	87.64
24.0	18.9305	36.1508	25.9206	87.60
26.0	19.7271	36.0978	25.6727	88.59
27.0	19.8776	36.4651	25.9136	89.40
28.0	20.0108	36.2940	25.7475	89.40
29.0	20.0747	36.4050	25.8153	89.47
30.0	20.0556	36.3963	25.8137	89.58
31.0	20.0169	36.4440	25.8605	89.53
32.0	20.0206	36.4343	25.8521	89.66
33.0	20.0010	36.4333	25.8565	89.62
34.0	19.9759	36.4510	25.8767	89.33
35.0	19.9560	36.4302	25.8661	89.65
36.0	19.9323	36.4199	25.8645	89.13
37.0	19.8995	36.4165	25.8706	89.51
38.0	19.8589	36.4514	25.9081	89.67
39.0	19.8420	36.4224	25.8904	89.72
40.0	19.8303	36.4203	25.8919	89.69
41.0	19.8089	36.3862	25.8715	89.69
42.0	19.7745	36.3929	25.8857	89.73
43.0	19.7415	36.4387	25.9293	89.63
44.0	19.7250	36.4364	25.9319	89.70

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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45.0	19.7100	36.4304	25.9313	89.68
46.0	19.7042	36.4444	25.9435	89.65
47.0	19.7064	36.4457	25.9439	89.72
48.0	19.7065	36.4442	25.9428	89.66
49.0	19.7042	36.4456	25.9444	89.71
50.0	19.7039	36.4407	25.9408	89.70
51.0	19.6971	36.4446	25.9455	89.70
52.0	19.6971	36.4470	25.9474	89.62
53.0	19.6913	36.4407	25.9440	89.80
54.0	19.6827	36.4543	25.9567	89.65
55.0	19.6784	36.4543	25.9578	89.65
56.0	19.6717	36.4435	25.9514	89.74
57.0	19.6606	36.4410	25.9524	89.64
58.0	19.6451	36.4668	25.9762	89.58
59.0	19.6414	36.4585	25.9708	89.59
60.0	19.6381	36.4430	25.9599	89.54
61.0	19.6245	36.4455	25.9653	89.54
62.0	19.5980	36.4711	25.9919	89.36
63.0	19.5812	36.4562	25.9849	89.39
64.0	19.5630	36.4370	25.9750	89.42
65.0	19.5524	36.4204	25.9650	89.35
66.0	19.5293	36.4288	25.9775	89.36
67.0	19.5090	36.4282	25.9824	89.28
68.0	19.4946	36.4394	25.9947	89.32
68.6	19.4897	36.4712	26.0203	89.24
70.0	19.4530	36.4099	25.9830	89.14
72.0	19.3907	36.4129	26.0015	89.04
73.0	19.3989	36.4452	26.0241	88.93
74.0	19.3442	36.4290	26.0260	88.81
75.0	19.3330	36.4022	26.0084	88.92
76.0	19.3291	36.4372	26.0362	88.93
77.0	19.3151	36.4486	26.0485	88.84
78.0	19.3076	36.4066	26.0183	88.87
79.0	19.2930	36.4240	26.0355	88.58
80.0	19.2862	36.4133	26.0291	88.44
81.0	19.2641	36.4293	26.0470	88.54
82.0	19.2338	36.4491	26.0700	88.25
83.0	19.2206	36.4317	26.0602	88.05
84.0	19.2115	36.4536	26.0793	88.02
85.0	19.2032	36.4260	26.0603	87.81
86.0	19.1887	36.4399	26.0747	87.79
87.0	19.1799	36.4054	26.0506	87.85
88.0	19.1661	36.4231	26.0677	87.68

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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89.0	19.1148	36.4159	26.0755	87.55
90.0	19.0837	36.4172	26.0844	87.51
91.0	19.0646	36.4414	26.1079	87.23
92.0	18.9738	36.4284	26.1214	87.22
94.0	18.9151	36.3669	26.0894	86.59
95.0	18.8135	36.4182	26.1547	86.39
96.0	18.6847	36.4390	26.2034	85.53
97.0	18.5466	36.4058	26.2131	85.07
98.0	18.2450	36.2697	26.1848	84.35
99.0	18.0196	36.3761	26.3228	82.53

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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**CRUISE 2**  
**STATION M-3**

5.0	18.7236	35.0228	25.1100	80.07
8.0	18.7343	35.0177	25.1033	80.25
9.0	18.7452	35.0247	25.1059	79.99
10.0	18.7487	35.0210	25.1023	79.84
11.0	18.7448	35.0124	25.0967	79.91
12.0	18.7502	35.0087	25.0925	79.95
13.0	18.7476	35.0624	25.1341	80.09
14.0	18.7475	35.0035	25.0891	79.79
15.0	18.7484	35.1005	25.1631	80.20
16.0	19.0308	35.4129	25.3301	80.15
18.0	19.7443	35.6400	25.3185	81.78
19.0	19.8059	35.6901	25.3408	82.11
20.0	19.8279	35.7103	25.3503	82.08
21.0	19.8616	35.7389	25.3633	82.43
22.0	19.8883	35.7633	25.3749	82.63
23.0	19.9043	35.7992	25.3981	82.86
24.0	19.9369	35.8962	25.4635	82.68
25.0	20.0519	36.0057	25.5166	83.42
26.0	20.1754	36.0967	25.5532	84.51
27.0	20.2362	36.1619	25.5867	84.97
28.0	20.2943	36.1983	25.5990	85.58
29.0	20.3337	36.2468	25.6254	86.27
30.0	20.3616	36.2748	25.6393	86.55
31.0	20.3700	36.3269	25.6767	86.21
32.0	20.4057	36.3020	25.6482	86.67
33.0	20.4156	36.2915	25.6375	86.82
34.0	20.4290	36.3602	25.6863	86.88
35.0	20.4612	36.3957	25.7047	86.75
36.0	20.4954	36.3901	25.6912	87.03
37.0	20.5120	36.3880	25.6852	87.70
38.0	20.5120	36.3927	25.6887	87.80
39.0	20.5083	36.4253	25.7146	87.89
40.0	20.5080	36.3995	25.6950	88.02
41.0	20.4949	36.4049	25.7026	87.97
42.0	20.4787	36.4094	25.7104	88.14
43.0	20.4555	36.4135	25.7198	88.48
44.0	20.4055	36.4234	25.7408	88.78
45.0	20.3738	36.4266	25.7518	88.74
46.0	20.3204	36.4358	25.7731	89.12

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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47.0	20.2818	36.4223	25.7732	89.26
48.0	20.2554	36.4715	25.8178	88.70
49.0	20.2258	36.4218	25.7878	89.19
50.0	20.1888	36.4306	25.8044	89.36
51.0	20.1621	36.4425	25.8206	89.34
52.0	20.1383	36.4504	25.8330	89.45
53.0	20.0854	36.4338	25.8345	89.85
54.0	20.0028	36.4443	25.8644	89.95
56.0	19.9475	36.4644	25.8945	90.09
59.0	19.9208	36.4895	25.9207	90.03
60.0	19.9218	36.4899	25.9208	90.41
61.0	19.9172	36.4777	25.9127	90.06
62.0	19.9215	36.4360	25.8797	90.21
63.0	19.9119	36.4922	25.9252	90.40
64.0	19.9039	36.4636	25.9054	90.55
65.0	19.8656	36.4865	25.9331	90.07
66.0	19.8551	36.5028	25.9483	90.24
67.0	19.8546	36.4692	25.9228	90.44
68.0	19.8529	36.4776	25.9297	90.48
69.0	19.8491	36.4578	25.9156	90.10
70.0	19.8097	36.4935	25.9532	90.21
72.0	19.7123	36.4882	25.9748	90.06
73.0	19.6856	36.4958	25.9877	89.96
74.0	19.6280	36.4652	25.9795	89.27
75.0	19.6209	36.4623	25.9791	89.04
76.0	19.6155	36.4973	26.0073	89.06
77.0	19.6130	36.4839	25.9977	89.17
78.0	19.6117	36.4856	25.9993	88.98
79.0	19.6120	36.4825	25.9969	89.07
81.0	19.6119	36.4712	25.9882	89.06
82.0	19.6187	36.4987	26.0075	89.39
83.0	19.6229	36.4679	25.9829	89.05
84.0	19.6326	36.4870	25.9949	89.22
85.0	19.6407	36.4853	25.9915	89.55
86.0	19.6420	36.4799	25.9870	89.27
87.0	19.6398	36.4742	25.9832	89.16
88.0	19.6268	36.4961	26.0034	88.90
90.0	19.6166	36.4977	26.0073	89.00
91.0	19.6067	36.4365	25.9631	88.79
92.0	19.5448	36.4457	25.9863	88.60
93.0	19.4837	36.4407	25.9985	87.89
95.0	19.4246	36.4405	26.0138	87.22
96.0	19.4035	36.4370	26.0166	87.20



PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
97.0	19.3684	36.4454	26.0323	86.71
98.0	19.1780	36.4068	26.0521	86.61
99.0	19.0884	36.4873	26.1369	85.09
100.0	19.0164	36.3846	26.0769	84.83
101.0	19.0158	36.4003	26.0891	84.74
102.0	18.9908	36.4032	26.0977	84.05
103.0	18.9743	36.3859	26.0887	84.83
104.0	18.8457	36.4051	26.1364	83.36
105.0	18.7914	36.3834	26.1337	83.04
106.0	18.7055	36.3526	26.1320	81.98
108.0	18.5529	36.3460	26.1658	79.53
109.0	18.4878	36.3352	26.1739	77.77
110.0	18.4262	36.3395	26.1927	76.42
111.0	18.3766	36.3553	26.2174	75.08
112.0	18.3425	36.3083	26.1899	73.92
113.0	18.3146	36.3470	26.2267	72.87
114.0	18.2889	36.3280	26.2185	71.57
115.0	18.2602	36.3272	26.2251	69.82
116.0	18.2500	36.3489	26.2443	69.86
117.0	18.2240	36.3450	26.2478	66.75
118.0	18.2259	36.3600	26.2588	65.22

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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**CRUISE 2**  
**STATION M-4**

3.0	19.1829	34.7592	24.7915
4.0	19.1823	34.7669	24.7976
5.0	19.1762	34.7751	24.8054
7.0	19.1697	34.7823	24.8126
8.0	19.1517	34.7710	24.8085
9.0	19.1205	34.7853	24.8275
10.0	19.0727	34.7973	24.8489
11.0	18.9837	34.8317	24.8978
12.0	18.8550	34.9064	24.9877
13.0	18.5181	35.0473	25.1804
14.0	18.4069	35.1308	25.2722
15.0	18.4302	35.1116	25.2517
16.0	18.4452	35.1069	25.2443
17.0	18.4493	35.1036	25.2408
18.0	18.5595	35.2239	25.3052
19.0	18.8529	35.3695	25.3423
20.0	19.1997	35.5748	25.4105
21.0	19.4418	35.7295	25.4661
22.0	19.5275	35.8587	25.5424
23.0	19.6098	35.9735	25.6086
24.0	19.6317	35.9018	25.5481
25.0	19.7077	36.1526	25.7197
26.0	19.7598	36.2705	25.7961
27.0	19.7643	36.2748	25.7982
28.0	19.7273	36.3172	25.8402
29.0	19.7273	36.3600	25.8730
30.0	19.8063	36.3928	25.8772
31.0	19.8395	36.4211	25.8900
32.0	19.8239	36.4164	25.8906
33.0	19.8149	36.4146	25.8915
35.0	19.7924	36.4195	25.9012
36.0	19.7855	36.4236	25.9062
38.0	19.7388	36.4017	25.9018
39.0	19.6746	36.4078	25.9234
40.0	19.6530	36.4162	25.9354
41.0	19.6267	36.4150	25.9414
42.0	19.6282	36.4291	25.9518
43.0	19.6192	36.4242	25.9505
44.0	19.5984	36.4150	25.9489

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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46.0	19.5169	36.4338	25.9846	
47.0	19.5011	36.4018	25.9642	
48.0	19.4742	36.4040	25.9730	
49.0	19.4603	36.3999	25.9735	
50.0	19.3895	36.3830	25.9790	
51.0	19.3709	36.3991	25.9962	
52.0	19.3943	36.4150	26.0022	
53.0	19.4033	36.4206	26.0041	
55.0	19.4027	36.4147	25.9998	
57.0	19.4203	36.4275	26.0050	
58.0	19.4228	36.4299	26.0062	
59.0	19.4263	36.4222	25.9994	
60.0	19.4161	36.4294	26.0075	
61.0	19.4025	36.4210	26.0047	
63.0	19.3973	36.4285	26.0118	
64.0	19.3900	36.4275	26.0129	
65.0	19.3843	36.4230	26.0109	
66.0	19.3791	36.4270	26.0154	
68.0	19.3712	36.4297	26.0195	
69.0	19.3645	36.4258	26.0182	
70.0	19.3509	36.4260	26.0220	
71.0	19.3393	36.4196	26.0201	
72.0	19.3273	36.4189	26.0226	
73.0	19.3128	36.4249	26.0310	
74.0	19.2933	36.4144	26.0281	
75.0	19.2680	36.4233	26.0414	
76.0	19.2473	36.4107	26.0372	
77.0	19.2319	36.4060	26.0376	
78.0	19.2139	36.4162	26.0500	
79.0	19.1955	36.4101	26.0501	
80.0	19.1688	36.4072	26.0548	
81.0	19.1146	36.3777	26.0463	
82.0	19.0955	36.3993	26.0677	
83.0	19.0917	36.4328	26.0943	
84.0	19.0702	36.3969	26.0724	
85.0	19.0532	36.3941	26.0747	
86.0	19.0416	36.3883	26.0732	
87.0	19.0360	36.3947	26.0796	
88.0	19.0254	36.3988	26.0854	
89.0	19.0101	36.3871	26.0804	
90.0	18.9885	36.3854	26.0847	
91.0	18.9727	36.3602	26.0694	
92.0	18.9171	36.3749	26.0950	

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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93.0	18.9061	36.3853	26.1057
94.0	18.8935	36.4013	26.1212
95.0	18.8778	36.4192	26.1390
96.0	18.8149	36.3711	26.1182
97.0	18.7641	36.3923	26.1474
98.0	18.6785	36.3648	26.1482
99.0	18.5156	36.4366	26.2445
100.0	18.4012	36.4684	26.2978
101.0	18.3052	36.3697	26.2464
102.0	18.2290	36.3500	26.2504
103.0	18.1502	36.3592	26.2772
104.0	18.0856	36.4197	26.3397
105.0	18.0454	36.3722	26.3133
106.0	17.9670	36.4627	26.4022
107.0	17.9363	36.4629	26.4100
108.0	17.7191	36.2545	26.3039
109.0	17.5213	36.4720	26.5193
111.0	17.3058	36.3147	26.4510
112.0	17.2818	36.3344	26.4720
113.0	17.2587	36.3237	26.4693
114.0	17.2242	36.2961	26.4565
115.0	17.1651	36.3512	26.5131
116.0	17.1516	36.2598	26.4462
117.0	17.0939	36.2889	26.4824
118.0	17.0736	36.3300	26.5189
119.0	17.0486	36.2869	26.4918
120.0	17.0241	36.2683	26.4834
121.0	16.9710	36.3218	26.5372
123.0	16.9267	36.2321	26.4790
124.0	16.9135	36.2344	26.4838
125.0	16.9250	36.2963	26.5286
126.0	16.8791	36.2288	26.4877
127.0	16.8076	36.2507	26.5216
128.0	16.7644	36.2884	26.5609
129.0	16.7668	36.2373	26.5210
130.0	16.7667	36.2396	26.5229
131.0	16.7642	36.2526	26.5334
132.0	16.7615	36.2358	26.5212
133.0	16.7667	36.2254	26.5119
134.0	16.7516	36.2384	26.5255
135.0	16.7319	36.2137	26.5112
136.0	16.6989	36.2175	26.5219
137.0	16.6771	36.2394	26.5440

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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138.0	16.6696	36.2020	26.5170	
139.0	16.6527	36.1857	26.5084	
140.0	16.6231	36.1998	26.5263	
141.0	16.5774	36.1815	26.5230	
142.0	16.5266	36.2210	26.5653	
143.0	16.4654	36.2465	26.5994	
144.0	16.4346	36.2230	26.5885	
145.0	16.4049	36.2224	26.5950	
146.0	16.3642	36.1998	26.5872	
147.0	16.3425	36.2178	26.6061	
148.0	16.3253	36.2278	26.6179	
149.0	16.3091	36.2050	26.6041	
150.0	16.2789	36.2449	26.6418	
151.0	16.2424	36.2011	26.6166	
152.0	16.1932	36.2107	26.6355	
154.0	15.9972	36.1889	26.6642	
155.0	15.9596	36.1920	26.6752	
156.0	15.9269	36.2428	26.7219	
157.0	15.9199	36.1596	26.6594	
158.0	15.8982	36.1569	26.6623	
160.0	15.8584	36.1839	26.6922	
161.0	15.8431	36.1701	26.6851	
162.0	15.8211	36.1838	26.7008	
163.0	15.7861	36.1452	26.6790	
164.0	15.7427	36.1418	26.6863	
165.0	15.7251	36.1315	26.6824	
166.0	15.6952	36.1414	26.6969	
167.0	15.6551	36.1909	26.7441	
168.0	15.6302	36.0924	26.6739	
169.0	15.6185	36.0786	26.6659	
170.0	15.5990	36.1250	26.7061	
171.0	15.5954	36.0857	26.6767	
172.0	15.5679	36.1013	26.6949	
173.0	15.5191	36.0723	26.6836	

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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**CRUISE 2**  
**STATION M-4**

5.0	19.0078	35.2124	25.1823	79.56
6.0	19.0209	35.2105	25.1779	79.79
7.0	19.0172	35.2128	25.1806	79.53
8.0	19.0148	35.2413	25.2030	79.93
9.0	19.0164	35.2648	25.2205	79.57
10.0	19.0003	35.2369	25.2034	79.56
11.0	18.9997	35.2328	25.2004	79.78
12.0	19.0105	35.2431	25.2055	79.54
13.0	19.0177	35.2201	25.1861	79.45
14.0	19.0372	35.2825	25.2288	79.32
15.0	19.0843	35.2899	25.2224	79.84
16.0	19.1062	35.2905	25.2172	79.80
17.0	19.1288	35.2864	25.2083	80.19
18.0	19.1446	35.2994	25.2142	79.92
19.0	19.1281	35.3143	25.2298	80.06
20.0	19.1678	35.3147	25.2199	79.94
21.0	19.1851	35.3618	25.2515	80.13
22.0	19.2283	35.4249	25.2886	79.79
23.0	19.2920	35.4001	25.2531	80.18
24.0	19.2925	35.3876	25.2435	80.42
25.0	19.3580	35.4651	25.2857	80.56
26.0	19.5236	35.6068	25.3510	81.81
27.0	19.8480	35.9970	25.5641	82.66
28.0	19.9266	35.9129	25.4790	83.26
29.0	19.9405	35.8180	25.4029	84.08
30.0	19.9714	35.8607	25.4273	84.12
31.0	19.9979	35.8921	25.4443	84.77
32.0	20.0343	35.9475	25.4769	84.88
33.0	20.0711	35.9686	25.4832	84.68
34.0	20.0921	35.9347	25.4518	85.00
35.0	20.1658	36.0978	25.5566	85.37
36.0	20.1916	36.1081	25.5575	85.58
38.0	20.3889	36.1993	25.5743	87.00
39.0	20.4544	36.1904	25.5500	87.24
40.0	20.4993	36.2426	25.5776	87.67
41.0	20.5335	36.3475	25.6484	87.45
42.0	20.5732	36.3213	25.6177	88.15
43.0	20.5822	36.3428	25.6317	88.29
44.0	20.5976	36.3406	25.6258	88.46

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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45.0	20.5989	36.3655	25.6444	88.59
46.0	20.6033	36.4104	25.6775	88.49
47.0	20.6051	36.3835	25.6565	88.43
48.0	20.5991	36.4190	25.6852	88.66
49.0	20.6027	36.3203	25.6090	88.41
50.0	20.6094	36.3877	25.6585	88.67
51.0	20.5722	36.4333	25.7034	88.88
52.0	20.5144	36.4144	25.7046	89.15
53.0	20.4600	36.4243	25.7268	89.24
54.0	20.4053	36.4681	25.7750	89.69
55.0	20.2344	36.4701	25.8223	90.07
56.0	20.1691	36.4735	25.8424	90.21
57.0	20.1514	36.4887	25.8588	90.37
58.0	20.1471	36.4566	25.8354	90.25
59.0	20.1393	36.4494	25.8320	90.43
60.0	20.1194	36.5753	25.9334	90.34
61.0	20.0669	36.5399	25.9204	90.14
62.0	20.0323	36.4639	25.8716	90.32
63.0	20.0163	36.5040	25.9064	90.49
64.0	20.0030	36.4577	25.8746	90.32
65.0	19.9759	36.4855	25.9030	90.46
66.0	19.9539	36.4656	25.8937	90.39
67.0	19.9442	36.4957	25.9192	90.67
68.0	19.9375	36.4661	25.8984	90.60
69.0	19.9242	36.4678	25.9033	90.63
70.0	19.9105	36.4816	25.9175	90.41
71.0	19.8950	36.4651	25.9090	90.51
72.0	19.8919	36.4732	25.9160	90.75
74.0	19.8815	36.4653	25.9127	90.50
74.6	19.8783	36.4957	25.9367	90.82
76.0	19.8767	36.4776	25.9234	90.56
77.0	19.8776	36.4665	25.9146	90.63
78.0	19.8749	36.4592	25.9098	90.44
79.0	19.8670	36.4731	25.9225	90.70
80.0	19.8606	36.4760	25.9263	90.58
81.0	19.8574	36.4701	25.9227	90.47
82.0	19.8492	36.4645	25.9206	90.55
83.0	19.8261	36.4661	25.9280	90.47
84.0	19.7980	36.4732	25.9408	90.77
86.0	19.6563	36.4707	25.9762	90.35
87.0	19.6681	36.4773	25.9782	90.70
88.0	19.6634	36.4759	25.9783	90.56
89.0	19.6609	36.5686	26.0498	91.23

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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90.0	19.6539	36.4727	25.9784	90.81
92.0	19.6526	36.4910	25.9927	90.67
93.0	19.6537	36.4965	25.9966	90.73
95.0	19.6472	36.4922	25.9950	90.71
96.0	19.6435	36.4686	25.9779	90.80
97.0	19.6357	36.4930	25.9987	90.73
98.0	19.5864	36.5003	26.0172	90.66
99.0	19.5053	36.4594	26.0072	90.58
100.0	19.4489	36.4584	26.0211	90.93
101.0	19.4135	36.4841	26.0501	90.58
102.0	19.3837	36.4587	26.0384	91.05
103.0	19.3683	36.4833	26.0612	91.02
104.0	19.3258	36.5085	26.0916	90.39
105.0	19.3091	36.5438	26.1229	90.77
106.0	19.2981	36.5467	26.1279	90.84
107.0	19.2855	36.5456	26.1304	90.75
108.0	19.2403	36.5274	26.1282	90.53
109.0	19.1913	36.6067	26.2016	90.21
110.0	19.0925	36.5920	26.2159	90.08
111.0	19.0308	36.7055	26.3186	89.68
112.0	18.9594	36.5708	26.2340	89.01
113.0	18.9249	36.5646	26.2381	88.84
114.0	18.8951	36.5213	26.2126	88.70
115.0	18.8454	36.4593	26.1780	88.58
116.0	18.8079	36.4671	26.1935	88.32
117.0	18.7459	36.4428	26.1908	87.82
118.0	18.6906	36.4794	26.2328	87.93
119.0	18.6165	36.5465	26.3031	87.93
120.0	18.5851	36.4071	26.2043	87.36
121.0	18.5727	36.4500	26.2403	87.82
123.0	18.3874	36.5098	26.3330	89.48
124.0	18.3222	36.6037	26.4214	90.36
125.0	18.1849	36.7539	26.5710	89.98
126.0	18.1922	36.5788	26.4350	90.28
127.0	18.1767	36.5166	26.3912	90.56
128.0	18.0953	36.4376	26.3510	90.67
129.0	18.0570	36.4287	26.3537	90.66
130.0	18.0244	36.4389	26.3696	90.71
131.0	17.9930	36.3876	26.3381	90.51
132.0	17.8871	36.4351	26.4009	90.87
134.0	17.5819	36.4597	26.4950	90.08
135.0	17.5349	36.5279	26.5588	89.66
136.0	17.4815	36.4039	26.4767	89.19



PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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138.0	17.3647	36.3467	26.4613	88.72
139.0	17.1201	36.5631	26.6867	88.31
140.0	16.9131	36.5564	26.7313	89.47
141.0	16.6891	36.7604	26.9416	89.54
142.0	16.5140	36.6135	26.8702	88.39
143.0	16.3852	36.6120	26.8994	87.99
144.0	16.3182	36.6048	26.9095	87.71
145.0	16.2677	36.4538	26.8052	87.41
146.0	15.9559	36.2845	26.7471	87.56
147.0	15.7719	36.4288	26.9007	87.85
148.0	15.6027	36.2640	26.8123	88.05
149.0	15.4291	36.2627	26.8507	87.28
150.0	15.3257	36.2882	26.8937	87.40
151.0	15.1841	36.4740	27.0687	87.25
153.0	14.8292	36.1410	26.8906	86.90
154.0	14.7479	36.0298	26.8227	87.61
155.0	14.6667	36.1610	26.9417	86.11
156.0	14.4581	36.4054	27.1761	81.38
157.0	14.2710	36.5361	27.3175	79.16
158.0	14.1246	35.9179	26.8711	78.93
159.0	13.9842	36.4035	27.2765	71.99
160.0	13.6539	35.8771	26.9390	70.82
161.0	13.5111	35.9048	26.9899	71.01
162.0	13.3920	35.8939	27.0062	72.14
164.0	13.0989	36.4784	27.5194	79.45
165.0	13.0497	36.3796	27.4529	80.64
166.0	12.9974	36.3805	27.4642	78.89
167.0	12.9727	36.0858	27.2407	77.94
168.0	12.9228	35.6574	26.9186	76.71
169.0	12.8682	35.7623	27.0110	76.67
170.0	12.7681	35.6789	26.9663	75.68
171.0	12.7025	35.6819	26.9818	76.40
172.0	12.6518	35.6827	26.9925	75.60
173.0	12.6038	35.6529	26.9789	76.32

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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**CRUISE 2**  
**STATION D-1**

3.5	17.4995	31.4550	22.6795	84.21
4.5	17.4904	31.4615	22.6866	84.42
5.0	17.4922	31.5182	22.7296	84.59
5.5	17.4811	31.6950	22.8675	84.64
6.0	17.4680	31.7128	22.8842	84.59
6.5	17.4393	31.7509	22.9203	84.56
7.0	17.3763	31.7969	22.9703	84.62
7.5	17.3450	31.8410	23.0115	84.89
9.5	17.4181	31.8165	22.9755	85.21
10.0	17.4019	31.8217	22.9833	85.27
10.5	17.3475	31.8469	23.0154	84.81
11.0	17.2978	31.9130	23.0777	85.21
11.5	17.2889	31.9215	23.0863	85.23
12.0	17.1690	32.0566	23.2179	85.17
12.5	17.1658	32.2020	23.3301	85.73
13.0	17.2112	32.5632	23.5962	86.01
13.5	17.5160	34.9943	25.3871	85.97
14.0	17.6609	35.1843	25.4975	84.96
14.5	17.6456	35.2837	25.5774	78.20
15.0	17.6343	35.3869	25.6593	74.09
15.5	17.6357	35.4077	25.6749	75.96
16.0	17.6377	35.4352	25.6955	77.33
16.5	17.6358	35.3178	25.6060	81.72
17.0	17.6384	35.4437	25.7018	82.58
17.5	17.6286	35.4964	25.7447	84.40

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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**CRUISE 2**  
**STATION D-2**

3.5	16.9022	33.2918	24.2274	84.55
5.0	16.9010	33.2831	24.2211	87.85
6.0	16.9146	33.2918	24.2245	88.31
7.0	16.9051	33.3286	24.2550	88.08
8.0	16.9029	33.3650	24.2835	88.09
9.0	16.8974	33.4079	24.3176	87.63
10.0	16.8816	33.4315	24.3394	88.20
11.0	16.8759	33.4457	24.3516	88.36
12.0	16.8699	33.5472	24.4310	88.64
13.0	16.8915	33.6538	24.5077	88.72
14.0	16.8697	33.6910	24.5413	88.73
15.0	16.8323	33.6996	24.5567	88.25
16.0	16.7909	33.7384	24.5961	88.73
17.0	16.7518	33.8081	24.6588	88.78
18.0	16.7205	34.0264	24.8336	88.57
19.0	16.7134	34.0907	24.8847	88.65
20.0	16.6780	34.1566	24.9435	88.93
21.0	16.6279	34.2321	25.0132	88.84
22.0	16.5847	34.3398	25.1060	89.01
23.0	16.4932	34.5449	25.2848	89.11
24.0	16.4375	34.6378	25.3692	89.02
25.0	16.4126	34.7225	25.4400	88.89
26.0	16.3470	34.9351	25.6187	88.79
27.0	16.4559	35.0375	25.6721	88.45
28.0	16.3526	35.1612	25.7912	88.42
29.0	16.1659	35.2465	25.9000	88.09
30.0	16.1281	35.2812	25.9354	88.28
31.0	16.1068	35.3105	25.9629	88.31
32.0	16.1003	35.3311	25.9802	88.13
33.0	16.0938	35.2979	25.9562	88.53
34.0	16.0862	35.4025	26.0384	88.54
35.0	16.1061	35.4721	26.0873	88.53
36.0	16.1282	35.4946	26.0996	88.37
37.0	16.1787	35.5127	26.1018	88.19
38.0	16.2495	35.6026	26.1546	88.20
39.0	16.2903	35.6459	26.1784	87.85
40.0	16.3287	35.6620	26.1818	88.04
41.0	16.3558	35.6364	26.1558	88.12
42.0	16.3682	35.6317	26.1494	87.93

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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43.0	16.3877	35.6532	26.1613	88.02
44.0	16.4116	35.7157	26.2038	88.11
45.0	16.4438	35.6929	26.1787	88.07
46.0	16.4548	35.7257	26.2014	87.88
47.0	16.4800	35.7158	26.1878	88.28
48.0	16.4993	35.7160	26.1835	88.18
49.0	16.5147	35.7478	26.2043	88.21
50.0	16.5448	35.7835	26.2247	88.36
51.0	16.6006	35.8274	26.2454	88.33
52.0	16.6156	35.8511	26.2600	88.30
53.0	16.6359	35.8207	26.2319	88.34
54.0	16.6514	35.8347	26.2389	88.37

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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**CRUISE 2**  
**STATION D-2**

5.0	16.0156	33.8154	24.8338	86.95
6.0	16.0175	33.8230	24.8392	86.94
7.0	16.0139	33.8297	24.8452	87.01
8.0	16.0186	33.8264	24.8416	86.93
9.0	16.0141	33.8563	24.8656	86.87
10.0	16.0118	33.8172	24.8361	87.13
12.0	16.0171	33.8322	24.8464	86.96
13.0	16.0228	33.8289	24.8426	86.88
14.0	16.0112	33.8619	24.8706	87.02
15.0	16.0156	33.8361	24.8497	86.85
16.0	16.0171	33.8320	24.8463	86.96
17.0	16.0310	33.8304	24.8419	86.85
18.0	16.0278	33.8422	24.8517	87.14
19.0	16.0377	33.8671	24.8686	87.00
20.0	16.0572	33.8933	24.8843	87.16
21.0	16.0856	33.8929	24.8775	86.82
22.0	16.0879	33.9118	24.8915	87.18
23.0	16.1008	33.9270	24.9003	87.21
24.0	16.1158	33.9526	24.9165	87.29
25.0	16.2513	34.3236	25.1706	87.59
26.0	16.5387	34.6569	25.3604	87.73
27.0	16.7002	34.9597	25.5552	87.44
28.0	16.5665	35.1776	25.7539	87.44
29.0	16.4220	35.4844	26.0235	87.39
30.0	16.6593	35.5221	25.9968	87.63
31.0	16.6825	35.5018	25.9758	87.59
32.0	16.6098	35.6853	26.1339	88.26
33.0	16.6443	35.7641	26.1864	88.31
34.0	16.6108	35.7541	26.1866	88.28
35.0	16.5928	35.7848	26.2144	88.26
36.0	16.5987	35.7848	26.2130	88.15
38.0	16.6926	35.8699	26.2563	88.21
39.0	16.7269	35.9516	26.3109	88.18
40.0	16.7541	36.0062	26.3465	88.54
41.0	16.7646	35.9930	26.3338	88.75
42.0	16.7643	36.0379	26.3683	88.81
43.0	16.7853	35.9297	26.2803	89.05
44.0	16.7723	36.0280	26.3589	87.54
45.0	16.7689	36.0079	26.3443	88.96

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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46.0	16.7596	36.0009	26.3411	89.08
47.0	16.7572	36.0206	26.3568	88.94
48.0	16.7480	36.0117	26.3521	89.00
49.0	16.7411	36.0168	26.3577	89.04
50.0	16.7330	36.0338	26.3727	88.96
51.0	16.7244	36.0509	26.3879	88.91

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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**CRUISE 2  
STATION D-3**

5.0	16.0780	33.4075	24.5050	87.06
7.0	16.0927	33.4196	24.5132	87.11
8.0	16.0794	33.4187	24.5144	87.02
9.0	16.0822	33.4165	24.5121	87.07
10.0	16.0897	33.4293	24.5202	87.05
11.0	16.0911	33.4188	24.5118	86.86
12.0	16.0913	33.4224	24.5145	87.01
13.0	16.1497	33.4506	24.5229	87.10
14.0	16.2209	33.5387	24.5745	86.90
15.0	16.3073	33.6549	24.6439	86.94
16.0	16.3173	33.6684	24.6520	86.96
17.0	16.3187	33.6942	24.6715	87.18
19.0	16.3833	33.7702	24.7151	87.40
20.0	16.4373	33.8086	24.7321	87.36
21.0	16.5146	33.8585	24.7526	87.28
22.0	16.6430	33.9477	24.7913	87.23
23.0	16.8426	34.2052	24.9424	87.04
24.0	16.9834	34.2422	24.9376	86.99
25.0	17.2280	34.4820	25.0634	86.92
26.0	17.4630	34.6308	25.1211	86.86
27.0	17.5918	34.7700	25.1967	87.00
28.0	17.7773	34.9193	25.2660	87.09
29.0	17.8301	34.9708	25.2925	87.18
31.0	18.0737	35.3351	25.5116	87.20
32.0	17.8328	35.3613	25.5911	87.25
33.0	17.1124	35.5017	25.8738	87.87
34.0	16.9405	35.5768	25.9723	87.99
35.0	16.8284	35.6141	26.0276	87.62
36.0	16.7169	35.5977	26.0414	87.90
37.0	16.6000	35.5962	26.0678	88.29
38.0	16.4886	35.6087	26.1035	88.25
39.0	16.4052	35.6019	26.1178	88.17
40.0	16.3378	35.6215	26.1486	88.26
41.0	16.3156	35.6323	26.1620	88.00
42.0	16.2969	35.6327	26.1667	87.83
43.0	16.2868	35.6323	26.1687	88.17
44.0	16.3104	35.6452	26.1732	88.16
46.0	16.5393	35.8220	26.2556	88.17
47.0	16.6902	35.8466	26.2389	88.08

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
48.0	16.7628	35.8724	26.2415	87.96
49.0	16.7569	35.8020	26.1889	87.80
50.0	16.6925	35.8553	26.2451	87.32
51.0	16.6719	35.8522	26.2475	86.96
52.0	16.6434	35.8723	26.2697	86.99
53.0	16.6159	35.8420	26.2529	86.97
54.0	16.6009	35.8489	26.2617	86.76
55.0	16.6031	35.8453	26.2585	86.76
56.0	16.5961	35.8535	26.2664	86.75
57.0	16.5937	35.8786	26.2863	86.59
59.0	16.7853	35.9563	26.3007	86.43
60.0	16.8520	35.9517	26.2813	87.00
61.0	16.8888	36.0021	26.3113	87.30
62.0	16.9745	36.0065	26.2942	87.56
63.0	16.9960	36.0221	26.3010	87.84
64.0	16.9936	36.0098	26.2921	87.92
65.0	16.9866	36.0022	26.2880	88.03
66.0	16.9884	36.0077	26.2918	88.01
67.0	16.9732	35.9947	26.2854	88.02
68.0	16.9282	36.0370	26.3287	88.01
69.0	16.8726	36.0007	26.3141	88.01
70.0	16.7347	35.8818	26.2555	87.95
71.0	16.1543	36.0480	26.5193	88.03
72.0	16.0239	36.0503	26.5513	88.03
73.0	15.8509	35.9948	26.5483	88.09
74.0	15.2323	35.9752	26.6736	88.18
75.0	15.0801	36.0254	26.7459	87.65
76.0	14.9338	35.9988	26.7578	86.95
78.0	14.7842	35.9945	26.7874	85.56
79.0	14.7383	35.9976	26.7999	85.15
80.0	14.7060	35.9901	26.8012	84.87
81.0	14.6992	35.9765	26.7922	84.76
82.0	14.6793	35.9513	26.7771	84.71
83.0	14.6620	35.9830	26.8053	84.49
84.0	14.6427	35.9601	26.7919	84.64



PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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**CRUISE 2**  
**STATION D-4**

6.0	16.7900	34.0970	24.8724	87.36
8.0	16.8233	34.1232	24.8840	87.39
9.0	16.8200	34.1359	24.8944	87.19
10.0	16.8185	34.1366	24.8953	87.16
11.0	16.8126	34.1456	24.9036	87.33
12.0	16.8150	34.1391	24.8981	87.21
13.0	16.8086	34.1643	24.9189	87.37
15.0	16.8186	34.1648	24.9169	87.15
16.0	16.8264	34.1744	24.9225	87.29
17.0	16.8229	34.1949	24.9390	87.44
18.0	16.8242	34.1896	24.9346	86.89
19.0	16.8222	34.1927	24.9375	87.07
20.0	16.8370	34.1988	24.9387	87.26
21.0	16.8377	34.2007	24.9400	87.50
22.0	16.8678	34.2475	24.9688	86.88
23.0	16.8916	34.2384	24.9563	87.31
24.0	16.9270	34.2488	24.9559	85.46
27.0	16.8868	34.3304	25.0281	87.26
28.0	16.8594	34.3320	25.0357	87.59
29.0	16.9036	34.3550	25.0430	87.13
30.0	16.8991	34.3525	25.0421	87.47
31.0	16.9354	34.3968	25.0675	87.47
32.0	17.0409	34.5588	25.1669	87.46
33.0	17.3921	34.6763	25.1730	87.30
35.0	18.0834	34.9675	25.2277	87.69
36.0	18.5130	35.3235	25.3930	87.69
37.0	18.7222	35.5074	25.4810	87.89
38.0	19.2100	35.8903	25.6486	88.14
39.0	19.3748	36.0232	25.7079	88.30
40.0	19.3735	36.1321	25.7914	88.77
41.0	19.3621	36.0894	25.7618	87.86
42.0	19.3648	36.1789	25.8294	88.90
43.0	19.3675	36.2079	25.8509	89.13
44.0	19.3540	36.2649	25.8980	89.24
46.0	19.3298	36.2857	25.9202	89.31
47.0	19.3386	36.3452	25.9634	89.25
48.0	19.3497	36.3489	25.9633	89.50
50.0	19.3175	36.3682	25.9864	89.05
52.0	19.2960	36.3901	26.0088	89.18

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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53.0	19.2735	36.4034	26.0248	89.18
54.0	19.2485	36.3732	26.0082	88.95
55.0	19.2358	36.3902	26.0245	88.72
56.0	19.2179	36.3943	26.0322	88.55
58.0	19.1203	36.3847	26.0502	88.45
59.0	19.0386	36.3820	26.0692	88.21
60.0	18.9745	36.3800	26.0841	88.31
61.0	18.8895	36.3626	26.0926	88.17
62.0	18.8567	36.3775	26.1124	88.15
63.0	18.8192	36.3549	26.1047	88.11
64.0	18.7788	36.3530	26.1136	87.93
65.0	18.7176	36.3207	26.1045	87.81
66.0	18.6169	36.3710	26.1686	87.64
67.0	18.5627	36.3096	26.1354	87.80
68.0	18.5130	36.2874	26.1310	87.73
69.0	18.3605	36.2880	26.1699	87.48
70.0	18.2019	36.2751	26.1998	86.99
71.0	18.0992	36.2400	26.1986	87.07
72.0	17.9987	36.2066	26.1980	86.56
73.0	17.8895	36.2580	26.2645	86.87
75.0	17.7918	36.2015	26.2453	86.61
76.0	17.6064	36.1629	26.2612	86.43
78.0	17.4854	36.2044	26.3227	86.32
80.0	17.4478	36.1720	26.3070	87.19
81.0	17.4384	36.1710	26.3085	87.00
82.0	17.4335	36.1610	26.3020	87.10
83.0	17.4160	36.1765	26.3182	87.14
84.0	17.4064	36.1738	26.3185	87.13
85.0	17.3993	36.1785	26.3237	87.36
87.0	17.3409	36.1380	26.3068	87.23
88.0	17.3127	36.1298	26.3074	87.34
89.0	17.2681	36.1499	26.3337	86.96
90.0	17.1900	36.1453	26.3490	86.89
92.0	17.1364	36.2038	26.4068	87.38
93.0	17.0980	36.1510	26.3755	87.27
94.0	16.9677	36.1607	26.4142	87.33
95.0	16.5533	36.1811	26.5282	87.26
96.0	16.3426	36.1646	26.5652	87.18
99.0	15.1165	36.0888	26.7864	87.66
100.0	14.6301	36.0545	26.8672	87.83
101.0	14.3896	36.0812	26.9404	87.85
103.0	13.9749	35.9884	26.9575	88.12
104.0	13.8769	35.9386	26.9396	88.19

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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105.0	13.7922	35.9164	26.9403	88.28
106.0	13.4839	35.8885	26.9830	88.29
107.0	13.3620	35.8500	26.9784	88.21
108.0	13.3268	35.8624	26.9952	87.95
109.0	13.3085	35.8094	26.9579	88.38
110.0	13.2392	35.8132	26.9751	88.34
111.0	13.1446	35.7748	26.9647	88.23
112.0	13.0827	35.7836	26.9841	88.39
113.0	13.0444	35.7577	26.9718	88.28
114.0	13.0235	35.7703	26.9858	88.27
115.0	12.9607	35.7350	26.9711	88.21
117.0	12.7926	35.6695	26.9542	88.20
118.0	12.6633	35.6674	26.9783	88.29
119.0	12.5583	35.6603	26.9937	88.03
120.0	12.4873	35.6512	27.0007	87.89
121.0	12.2315	35.6512	27.0508	88.02
122.0	12.0721	35.6046	27.0455	87.96
123.0	11.8481	35.5816	27.0707	88.07
124.0	11.7493	35.6499	27.1426	87.80
125.0	11.7442	35.5424	27.0600	88.17
126.0	11.7304	35.5351	27.0569	88.19
128.0	11.6776	35.5619	27.0878	87.96
129.0	11.6772	35.5271	27.0608	88.26
130.0	11.6715	35.5159	27.0532	88.23
131.0	11.6650	35.5175	27.0557	88.31
132.0	11.6428	35.5112	27.0550	88.20
133.0	11.6171	35.4925	27.0453	88.32
134.0	11.5848	35.5404	27.0886	87.86
135.0	11.5129	35.4964	27.0679	88.10
136.0	11.4818	35.4918	27.0701	88.21
137.0	11.4346	35.4637	27.0571	88.03
138.0	11.3735	35.4611	27.0665	87.85
140.0	11.2305	35.4469	27.0819	88.22
141.0	11.1907	35.4333	27.0786	88.03
142.0	11.1648	35.4706	27.1124	87.87
143.0	11.1373	35.4529	27.1038	88.02
144.0	11.0855	35.4240	27.0907	87.86
145.0	11.0641	35.4359	27.1039	87.88
147.0	11.0228	35.4195	27.0987	87.93
148.0	11.0092	35.4188	27.1006	88.03
149.0	10.9892	35.3975	27.0877	88.04
150.0	10.9590	35.3874	27.0853	88.21
151.0	10.9073	35.3754	27.0853	88.21

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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152.0	10.8656	35.4130	27.1222	88.10
153.0	10.8340	35.3749	27.0982	88.03
154.0	10.8153	35.3783	27.1042	88.09
155.0	10.7926	35.3788	27.1087	88.24
156.0	10.7771	35.4124	27.1377	87.91
157.0	10.7707	35.3739	27.1088	88.26
158.0	10.7430	35.4060	27.1388	88.19
159.0	10.7274	35.3352	27.0864	88.01
160.0	10.6743	35.3551	27.1115	88.19
161.0	10.6303	35.3512	27.1163	87.92
163.0	10.5574	35.3188	27.1040	88.06
164.0	10.4615	35.3220	27.1235	88.05
165.0	10.4043	35.3002	27.1165	87.93
166.0	10.4018	35.3504	27.1561	88.16
167.0	10.3992	35.3098	27.1250	87.87
168.0	10.3569	35.3228	27.1426	88.03
169.0	10.3167	35.3106	27.1401	87.91
170.0	10.2019	35.2815	27.1374	87.78
171.0	10.1684	35.2714	27.1354	87.86
172.0	10.1584	35.2562	27.1252	88.15
173.0	10.1512	35.2785	27.1439	88.08
174.0	10.1501	35.2729	27.1396	88.11
175.0	10.1382	35.3071	27.1685	87.73
176.0	10.1430	35.2565	27.1281	87.89
177.0	10.1432	35.2685	27.1374	88.07
178.0	10.1352	35.2866	27.1529	87.99
179.0	10.1374	35.2747	27.1433	88.05
180.0	10.1341	35.2726	27.1422	87.98
181.0	10.1290	35.2765	27.1461	87.93
182.0	10.1315	35.2625	27.1348	87.78
183.0	10.1287	35.2352	27.1139	87.88
184.0	10.1265	35.2570	27.1314	88.24
185.0	10.1212	35.2492	27.1262	88.12
186.0	10.1172	35.2678	27.1414	88.03
187.0	10.1186	35.2471	27.1250	88.00
189.0	10.1160	35.2894	27.1585	88.35
190.0	10.1214	35.2458	27.1235	88.03
192.0	10.1048	35.2818	27.1544	88.14
193.0	10.1073	35.2796	27.1523	88.20
194.0	10.1082	35.2399	27.1211	88.20
198.0	10.1016	35.2773	27.1515	88.02
199.0	10.1056	35.2546	27.1331	87.89
200.0	10.1065	35.2784	27.1515	88.16

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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201.0	10.1072	35.2766	27.1500	88.13
202.0	10.1105	35.2772	27.1499	87.87
203.0	10.1129	35.2531	27.1306	88.13
204.0	10.1045	35.2735	27.1480	88.18
205.0	10.1028	35.2519	27.1315	87.99
206.0	10.1024	35.2254	27.1108	88.01
207.0	10.0907	35.2936	27.1661	88.00
208.0	10.0922	35.2396	27.1237	88.02
209.0	10.0898	35.2475	27.1303	87.95
210.0	10.0735	35.2869	27.1638	88.25
211.0	10.0726	35.2385	27.1262	88.35
212.0	10.0726	35.2454	27.1316	88.34

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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**CRUISE 2  
MOORING STATION A**

4.0	17.6384	33.7741	24.4222	84.07
4.5	17.6451	33.7774	24.4232	83.95
5.0	17.6124	33.7785	24.4318	83.92
5.5	17.5850	33.7575	24.4224	83.85
6.0	17.4646	33.7090	24.4142	84.00
6.5	17.4574	33.7157	24.4210	83.86
7.0	17.3978	33.7268	24.4438	83.54
7.5	17.3470	33.7692	24.4884	83.38
8.0	17.3314	33.7732	24.4952	83.20
8.5	17.3170	33.7727	24.4982	83.43
9.0	17.3013	33.7606	24.4927	83.08
9.5	17.2870	33.7429	24.4826	83.25
10.5	17.2749	33.7505	24.4913	83.21
11.0	17.2686	33.7526	24.4943	83.11
12.0	17.2601	33.7543	24.4977	83.12
12.5	17.2526	33.7680	24.5099	83.23
13.0	17.2485	33.7738	24.5154	83.19
13.5	17.2464	33.7645	24.5087	83.27
14.0	17.2468	33.7829	24.5228	83.35
15.0	17.2476	33.7881	24.5266	83.49
15.5	17.2468	33.8037	24.5387	83.25
16.0	17.2508	33.8210	24.5510	83.54
16.5	17.2534	33.7861	24.5236	83.56
17.0	17.2544	33.8023	24.5358	83.44
17.5	17.2676	33.8115	24.5397	83.22
18.5	17.3568	34.0161	24.6753	83.73
19.0	17.5604	34.4577	24.9648	83.99
19.5	17.8145	34.9390	25.2720	84.28
20.0	17.9918	34.9502	25.2370	84.35
20.5	18.0615	35.0649	25.3076	84.35
21.0	18.1889	35.8724	25.8945	84.06
21.5	18.3525	36.1689	26.0806	84.12
22.0	18.5857	36.2843	26.1101	83.47
23.0	18.7327	36.1686	25.9843	82.04
23.5	18.7262	36.1985	26.0088	82.32
24.0	18.7253	36.1175	25.9471	82.26
24.5	18.7156	36.1738	25.9926	82.08
25.0	18.7077	36.2207	26.0305	82.02
25.5	18.6986	36.2663	26.0677	82.07

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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26.0	18.6929	36.2204	26.0340	82.23
26.5	18.6913	36.2312	26.0427	82.27
27.0	18.6836	36.2354	26.0479	82.29
27.5	18.6713	36.2749	26.0812	82.57
28.0	18.6682	36.2237	26.0428	82.45
28.5	18.6606	36.2535	26.0676	82.53
29.5	18.6535	36.2445	26.0626	83.12

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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**CRUISE 2  
MOORING STATION B**

5.0	16.3017	33.3912	24.4426	86.57
6.0	16.2965	33.4410	24.4821	86.96
7.0	16.3048	33.4490	24.4863	87.07
8.0	16.3145	33.4563	24.4897	87.27
9.0	16.3193	33.4495	24.4834	83.86
10.0	16.3171	33.4507	24.4848	88.09
11.0	16.3122	33.4443	24.4810	87.33
12.0	16.3161	33.4590	24.4914	87.15
13.0	16.3201	33.4723	24.5007	86.98
14.0	16.3180	33.4890	24.5140	87.23
15.0	16.3271	33.5110	24.5288	87.36
16.0	16.3371	33.5309	24.5418	87.43
17.0	16.3617	33.5239	24.5309	87.19
18.0	16.3704	33.5432	24.5437	87.16
19.0	16.3659	33.5865	24.5780	87.08
20.0	16.3697	33.5682	24.5631	87.03
21.0	16.3714	33.5629	24.5586	87.01
22.0	16.3841	33.5742	24.5644	87.36
23.0	16.4931	33.6688	24.6119	87.42
24.0	16.6192	33.6889	24.5981	87.38
25.0	16.7647	33.7699	24.6264	87.32
26.0	16.9181	33.8656	24.6640	87.65
27.0	17.0198	33.9544	24.7081	87.46
28.0	17.1624	34.0953	24.7824	87.77
29.0	17.3808	34.3088	24.8940	87.84
30.0	17.8805	34.8053	25.1532	87.92
31.0	17.9324	35.1804	25.4280	88.14
32.0	17.5253	35.3353	25.6464	88.15
33.0	17.0413	35.3091	25.7426	87.95
34.0	16.4262	35.4217	25.9743	87.72
35.0	16.1809	35.4822	26.0779	87.85
36.0	16.1974	35.5085	26.0943	87.48
37.0	16.2191	35.5405	26.1138	87.95
38.0	16.3479	35.5399	26.0835	88.08
39.0	16.2816	35.5872	26.1353	88.15
40.0	16.2515	35.5532	26.1161	87.98
41.0	16.2177	35.5764	26.1418	87.90
42.0	16.1960	35.5690	26.1412	87.82
43.0	16.1797	35.5789	26.1525	87.94



PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
44.0	16.1652	35.5993	26.1716	87.81
45.0	16.1606	35.5809	26.1585	87.94
46.0	16.1594	35.5808	26.1587	87.80
47.0	16.1313	35.5792	26.1639	87.57
48.0	16.1205	35.6004	26.1828	88.00
49.0	16.0879	35.5998	26.1898	87.85
50.0	16.0707	35.5808	26.1792	87.88
51.0	16.0713	35.5837	26.1813	88.00
52.0	16.0841	35.5943	26.1864	87.70
53.0	16.1349	35.6173	26.1924	88.12
54.0	16.1652	35.6462	26.2077	87.77
55.0	16.1895	35.6398	26.1971	87.36
56.0	16.2043	35.6506	26.2019	87.83
57.0	16.2200	35.6535	26.2006	87.61
58.0	16.2525	35.6816	26.2147	87.73
59.0	16.3277	35.7119	26.2205	87.61
60.0	16.5431	35.8080	26.2437	86.98

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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**CRUISE 2**  
**STATION CTD-1**

4.0	16.2793	31.5048	22.9992	78.11
4.5	16.2784	31.5005	22.9960	77.86
5.0	16.2820	31.4935	22.9899	78.04
5.5	16.2798	31.4916	22.9889	78.58
6.0	16.2801	31.5030	22.9976	78.32
6.5	16.2891	31.5446	23.0275	78.26
7.0	16.3222	31.8335	23.2418	78.32
7.5	16.4043	31.8344	23.2239	78.48
8.0	16.4324	31.8738	23.2477	78.63
8.5	16.4680	32.1083	23.4196	78.42
9.0	16.5527	32.1948	23.4666	78.52
9.5	16.7030	33.0153	24.0617	79.04
10.0	16.9359	33.2118	24.1582	78.79
11.0	17.0790	33.5504	24.3842	78.51
11.5	17.1780	33.5666	24.3732	80.45
12.0	17.2465	33.6785	24.4428	81.39
12.5	17.2780	33.7030	24.4541	81.45
13.0	17.2750	33.7724	24.5080	81.45
13.5	17.2947	33.7674	24.4995	82.24
14.0	17.3165	33.7599	24.4885	82.63
15.0	17.3219	33.7865	24.5077	83.26
15.5	17.3382	33.8095	24.5214	83.37
16.5	17.3482	33.8557	24.5544	83.30
17.0	17.3597	33.8259	24.5288	83.69
18.0	17.3731	33.8256	24.5254	83.48
18.5	17.4666	34.2604	24.8363	83.89
19.0	17.6536	35.0013	25.3589	83.64
20.0	17.9282	35.8842	25.9684	80.56
20.5	17.9473	35.9630	26.0240	75.13
21.0	17.9675	36.0988	26.1231	71.67
21.5	17.9763	36.1653	26.1719	71.13
22.5	17.9901	36.1007	26.1189	69.31
23.0	17.9826	36.1692	26.1733	68.28
23.5	17.9814	36.1395	26.1509	68.39
24.0	17.9823	36.1322	26.1451	68.31

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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**CRUISE 2**  
**STATION CTD-2**

3.5	16.7878	33.5626	24.4619	85.09
4.0	16.7951	33.6484	24.5261	85.07
4.5	16.7890	33.6403	24.5213	84.97
5.0	16.7919	33.6450	24.5242	84.96
5.5	16.7987	33.6573	24.5320	85.04
6.0	16.8053	33.6422	24.5189	84.77
6.5	16.8198	33.6455	24.5181	84.91
7.0	16.8314	33.6848	24.5455	84.90
7.5	16.8418	33.6892	24.5465	84.61
8.0	16.8511	33.7008	24.5532	84.79
8.5	16.8726	33.7524	24.5877	85.05
9.0	16.9080	33.8727	24.6718	84.83
9.5	16.9476	33.8550	24.6489	84.93
10.0	16.9832	33.8740	24.6550	84.65
10.5	17.0138	33.9210	24.6839	85.17
11.0	17.0403	33.9160	24.6738	84.48
11.5	17.0476	33.9544	24.7015	84.41
12.5	17.0562	33.9708	24.7121	84.38
13.0	17.0710	33.9867	24.7208	84.36
13.5	17.0966	34.0074	24.7306	84.62
14.0	17.1044	34.0126	24.7327	84.53
14.5	17.1088	34.0311	24.7459	84.95
15.0	17.1075	34.0148	24.7337	84.40
15.5	17.1139	34.0109	24.7292	84.73
16.0	17.1125	34.0186	24.7355	84.83
16.5	17.1228	34.0065	24.7237	84.84
17.0	17.1144	34.0165	24.7334	84.74
17.5	17.1245	34.0060	24.7229	84.57
18.0	17.1217	34.0082	24.7253	85.13
18.5	17.1394	34.1026	24.7935	84.42
19.0	17.2292	34.1694	24.8234	84.75
19.5	17.3073	34.2624	24.8760	85.06
20.0	17.4757	34.4407	24.9723	84.94
20.5	17.7204	34.9342	25.2912	84.71
21.0	18.0823	35.5240	25.6543	83.66
21.5	18.2717	35.8620	25.8660	80.31
22.0	18.2713	35.9832	25.9588	81.57
22.5	18.2993	35.9953	25.9610	79.77
23.0	18.1284	36.0991	26.0833	74.93

PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
23.5	18.0695	36.0468	26.0579	65.76
24.0	18.0031	36.1540	26.1566	55.23
24.5	17.9747	36.1872	26.1891	51.84
25.0	17.9520	36.2218	26.2213	48.76

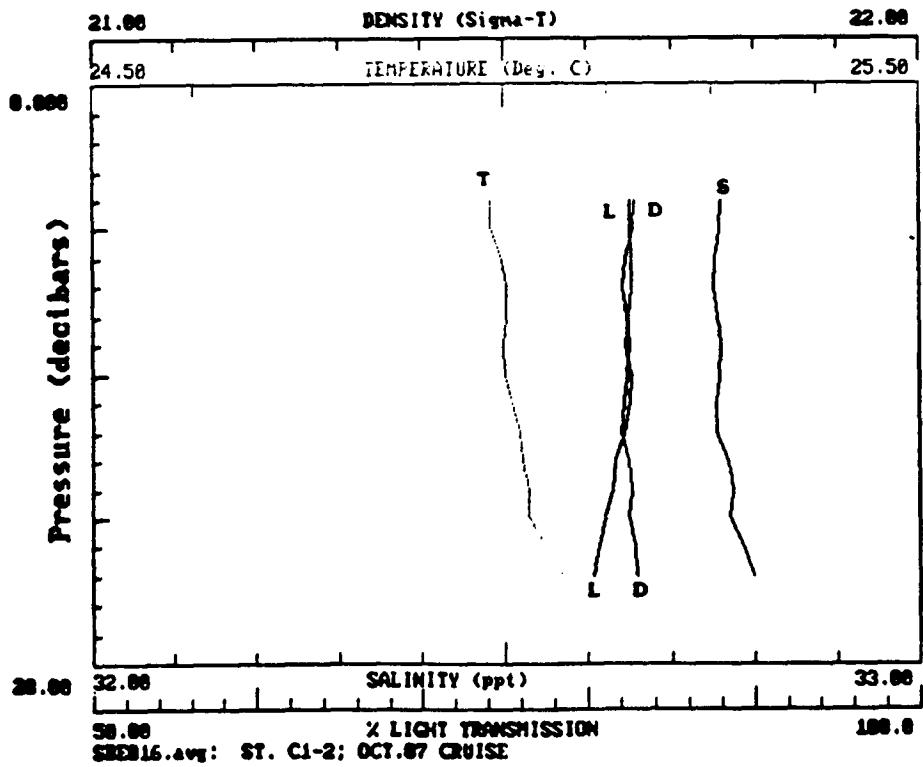
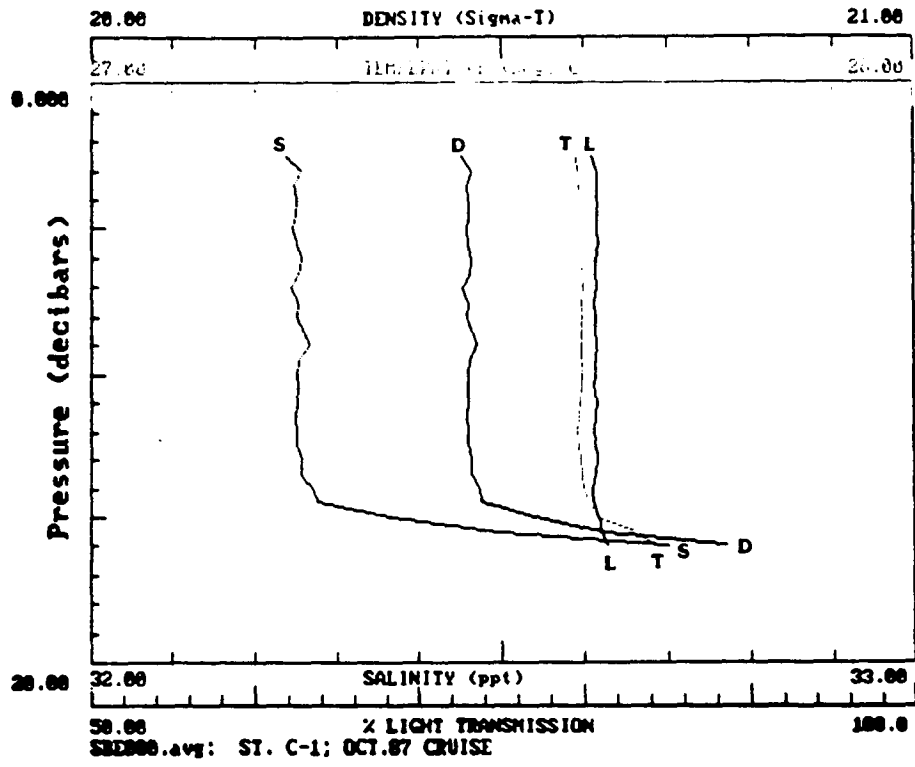
PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
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**CRUISE 2**  
**STATION CTD-3**

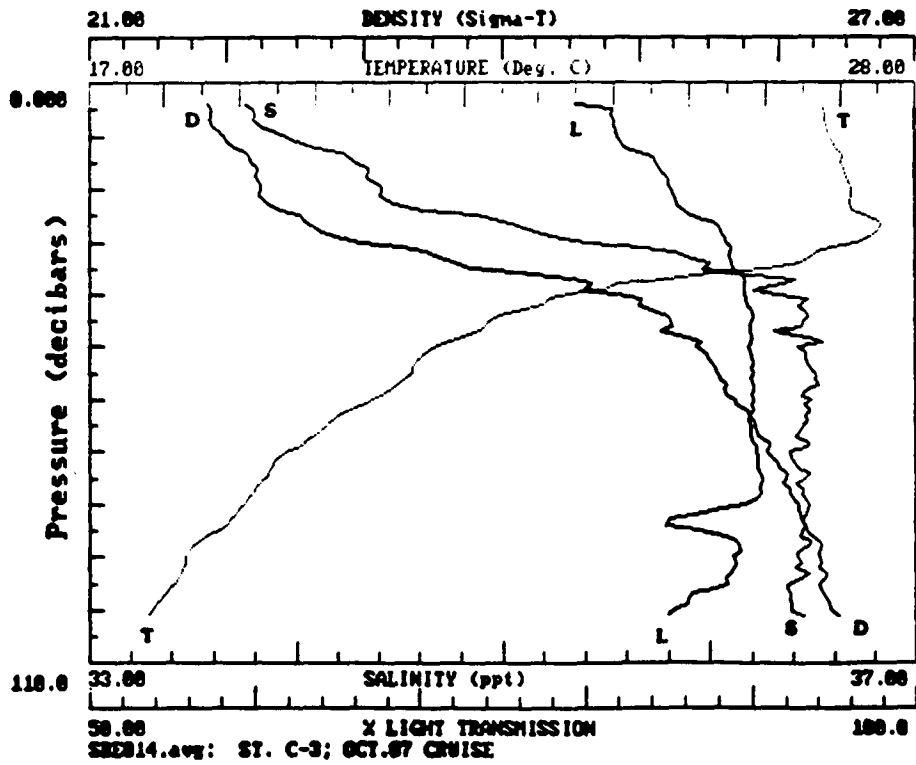
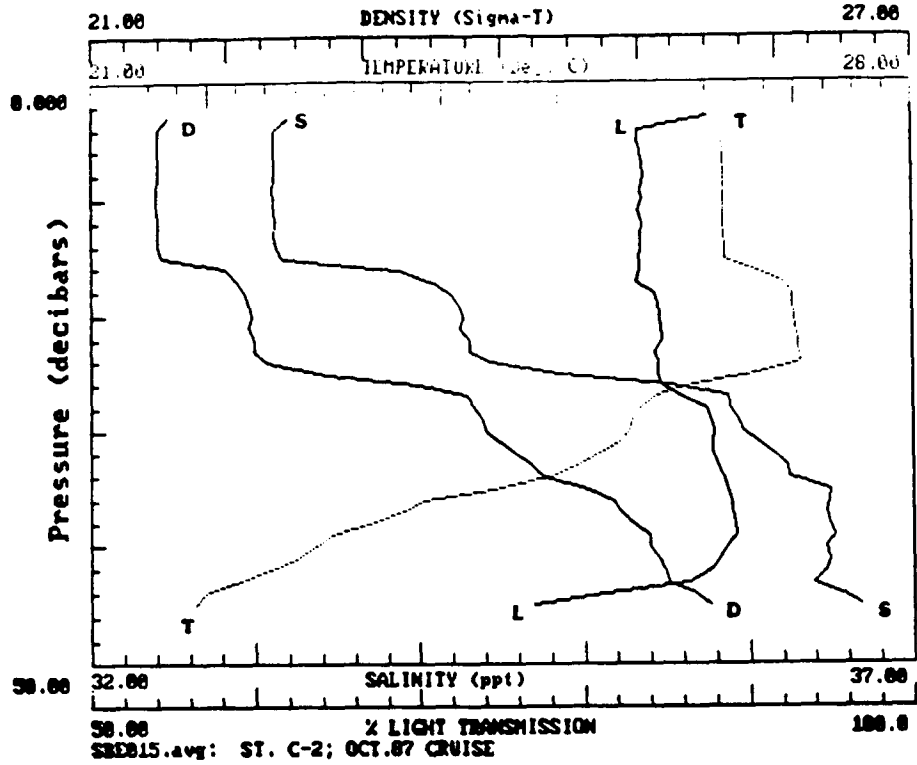
6.0	19.4251	35.7435	25.4811	76.07
7.0	19.4263	35.7303	25.4707	76.77
8.0	19.4189	35.7476	25.4858	76.54
9.0	19.4175	35.7475	25.4861	76.77
10.0	19.4161	35.7446	25.4843	76.57
11.0	19.4153	35.7495	25.4882	76.74
12.0	19.4172	35.7478	25.4864	76.74
13.0	19.4169	35.7722	25.5051	76.81
14.0	19.4201	35.7439	25.4827	76.81
15.0	19.4226	35.7765	25.5069	76.70
16.0	19.4326	35.7525	25.4860	76.63
17.0	19.4345	35.7617	25.4925	76.79
18.0	19.4310	35.7385	25.4757	76.61
19.0	19.4361	35.7459	25.4800	76.67
20.0	19.4380	35.7669	25.4956	76.69
21.0	19.4364	35.7626	25.4927	76.34
22.0	19.4379	35.7636	25.4931	76.58
23.0	19.4425	35.7623	25.4909	76.93
24.0	19.4438	35.9486	25.6329	76.86
25.0	19.6288	35.9446	25.5815	78.43
26.0	19.8680	36.0910	25.6304	81.36
27.0	19.9447	36.1437	25.6504	82.12
28.0	19.9676	36.1255	25.6304	83.32
29.0	19.9730	36.1405	25.6404	83.21
30.0	19.9931	36.1825	25.6671	83.36
31.0	20.0078	36.2481	25.7133	83.04
32.0	20.0512	36.2241	25.6835	84.11
33.0	20.0926	36.2642	25.7031	84.83
34.0	20.1118	36.3111	25.7338	84.65
35.0	20.1375	36.3169	25.7314	84.92
36.0	20.1599	36.3156	25.7244	85.63
37.0	20.2457	36.4495	25.8036	86.47
38.0	20.2771	36.4278	25.7787	88.11
39.0	20.1967	36.4463	25.8143	89.04
40.0	20.1776	36.4202	25.7995	89.54
41.0	20.1348	36.4333	25.8209	89.58
42.0	20.1092	36.4540	25.8436	89.63
43.0	20.0837	36.4604	25.8552	90.05
44.0	20.0581	36.4565	25.8591	90.04

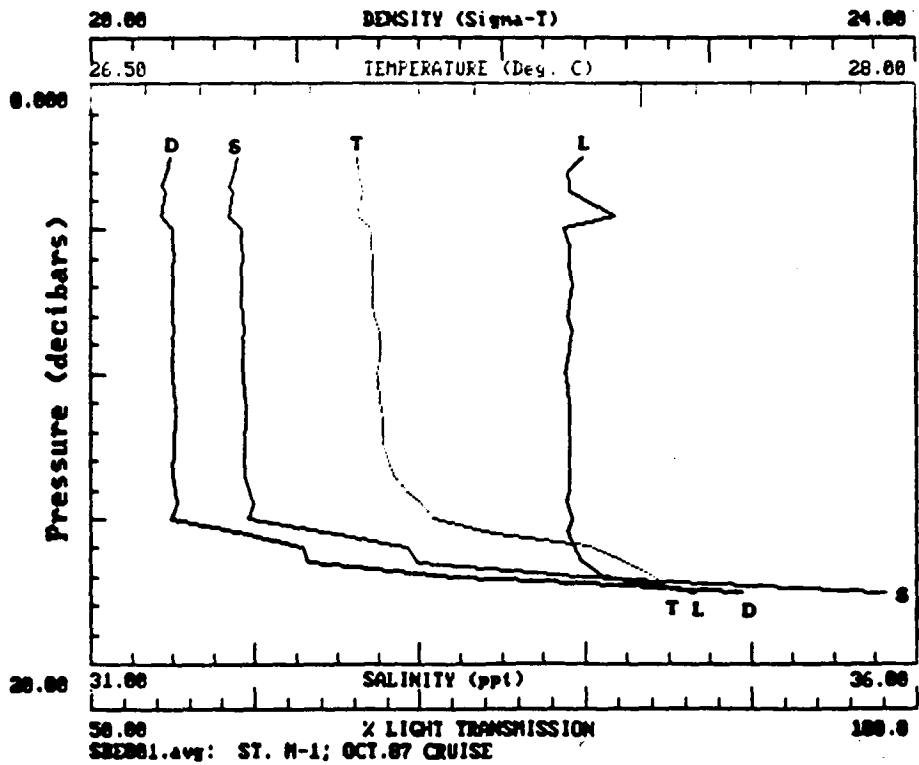
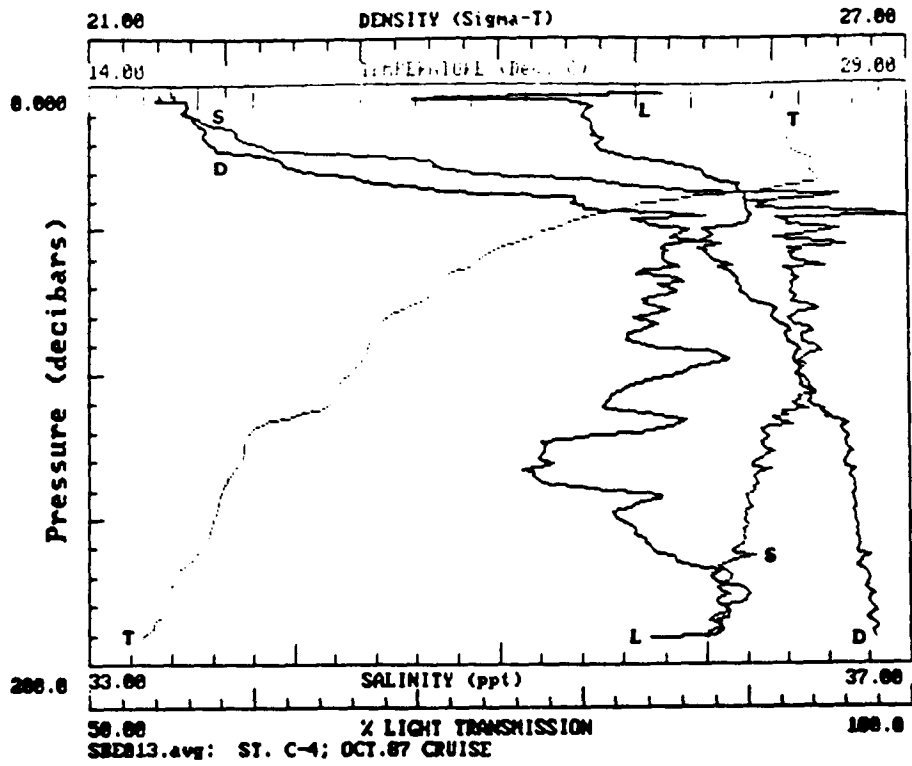
PRESSURE (DECIBARS)	TEMPERATURE (DEG. C)	SALINITY (PPT)	DENSITY (SIGMA-T)	LIGHT TRANS (%)
45.0	20.0198	36.4503	25.8645	90.13
46.0	19.9866	36.4861	25.9006	90.22
47.0	19.9159	36.4612	25.9005	90.23
48.0	19.8976	36.4927	25.9293	90.54
49.0	19.8641	36.4831	25.9308	90.41
50.0	19.8130	36.4451	25.9153	90.78
51.0	19.7747	36.4650	25.9407	90.73
52.0	19.7666	36.4732	25.9491	90.57
53.0	19.7383	36.4837	25.9646	90.71
54.0	19.7099	36.4159	25.9202	90.82
55.0	19.4642	36.5101	26.0567	90.00
56.0	19.2628	36.3276	25.9696	87.94
57.0	19.0831	36.3624	26.0427	85.98
57.4	19.0124	36.4383	26.1190	85.05
59.0	18.8827	36.3825	26.1096	82.78
60.0	18.8189	36.3855	26.1283	81.42
61.0	18.7091	36.4130	26.1773	80.15
62.0	18.5687	36.4474	26.2407	77.98

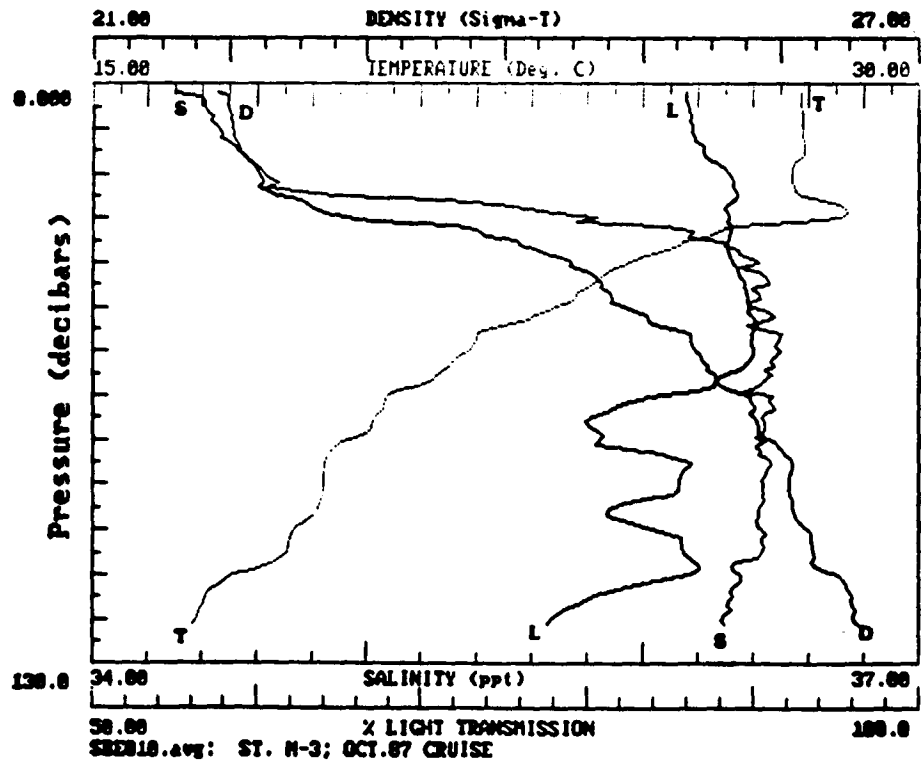
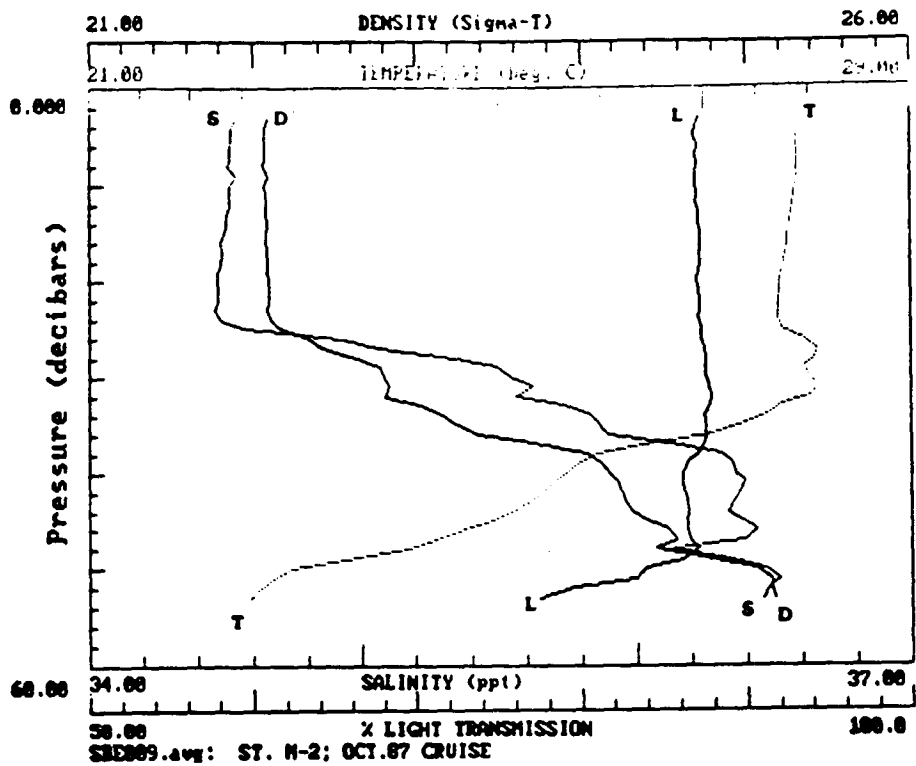
## CTD Graphs

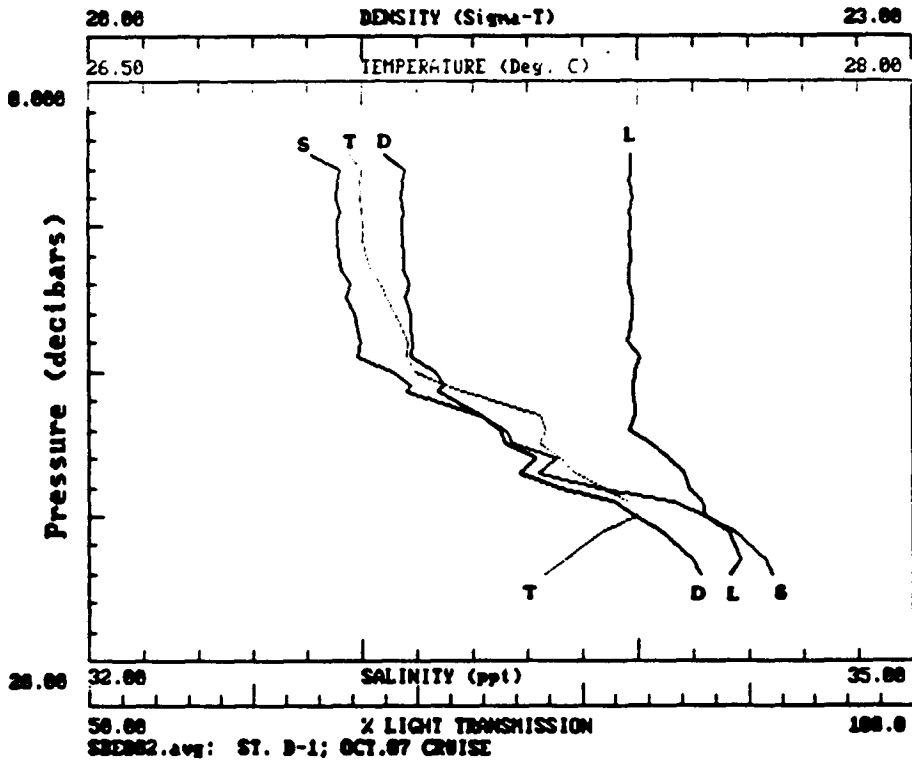
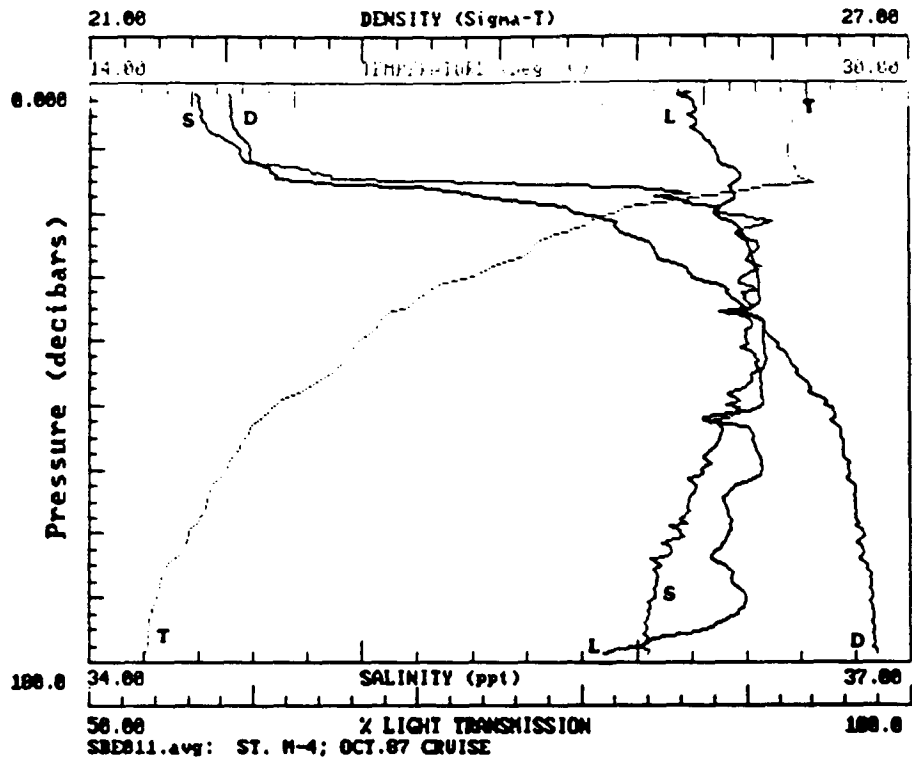


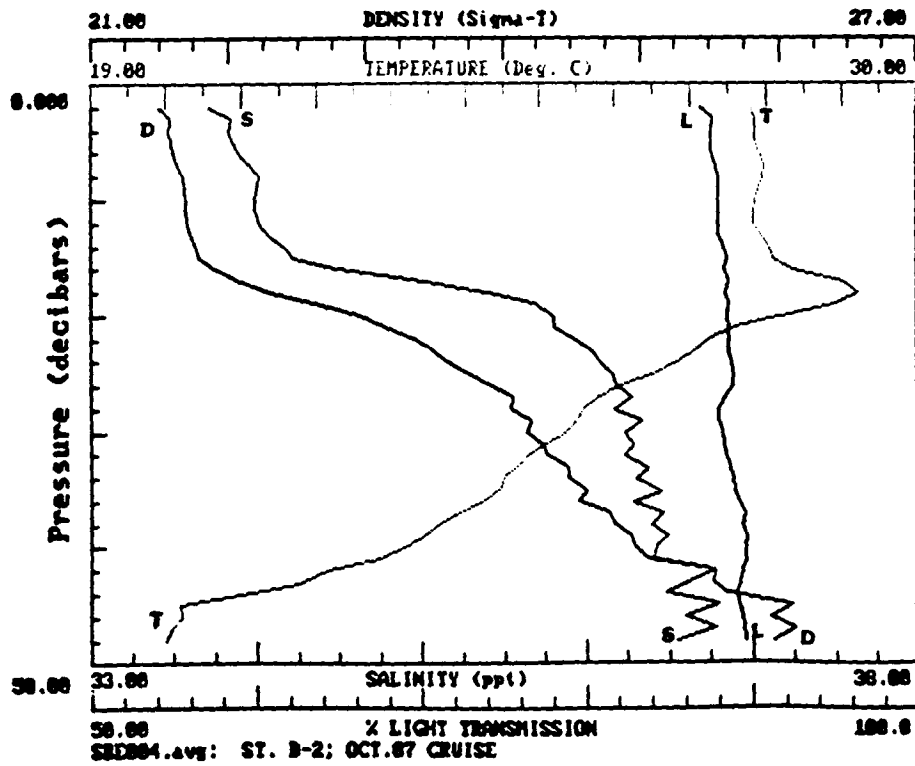
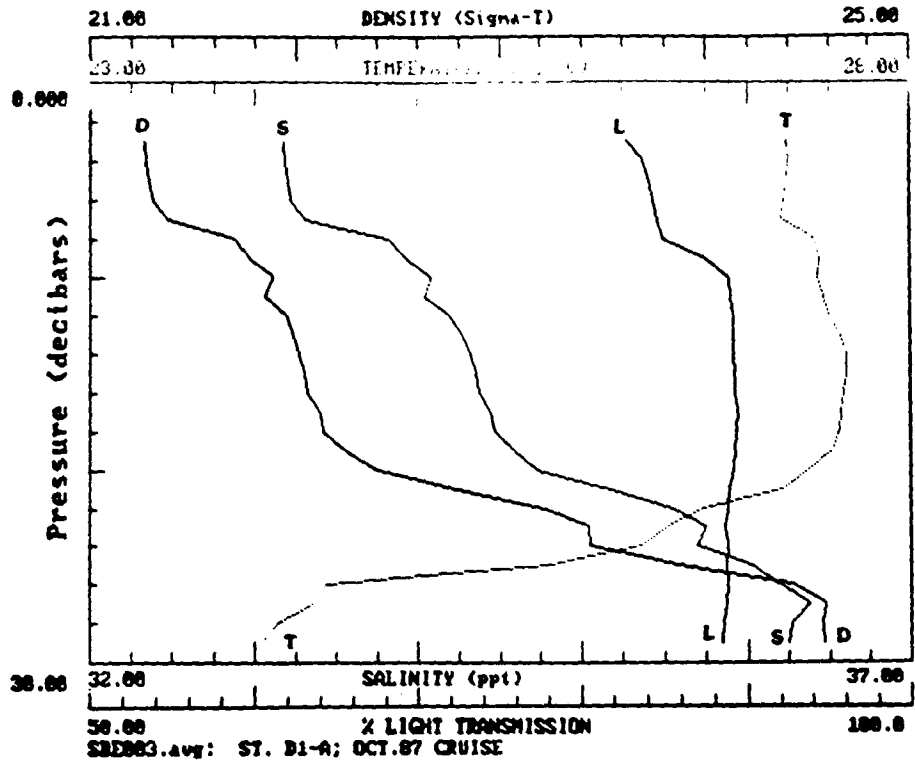


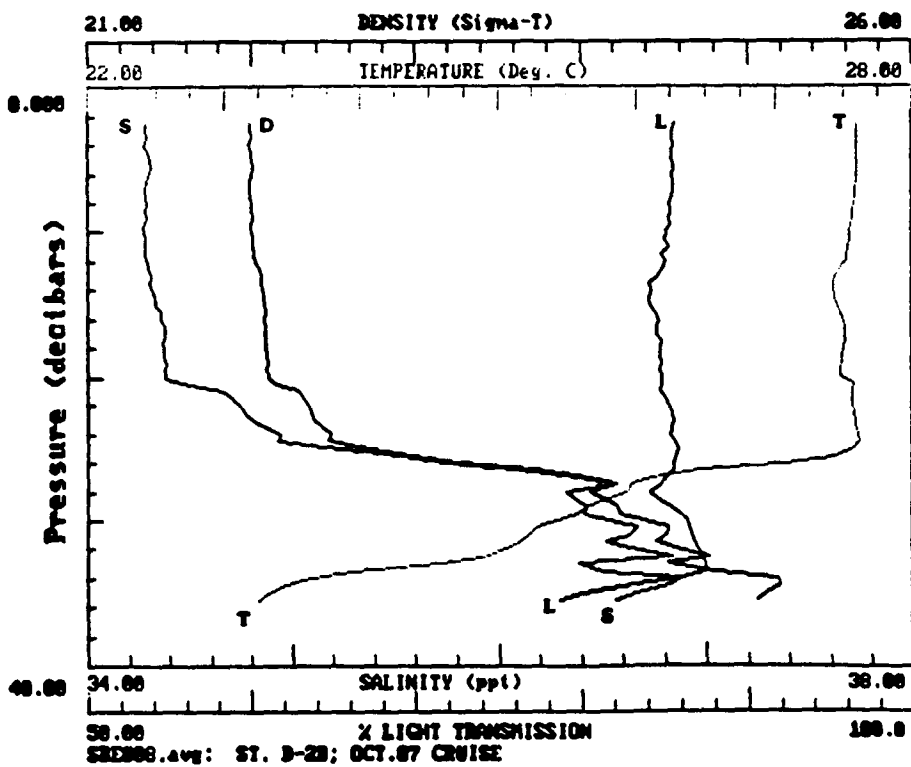
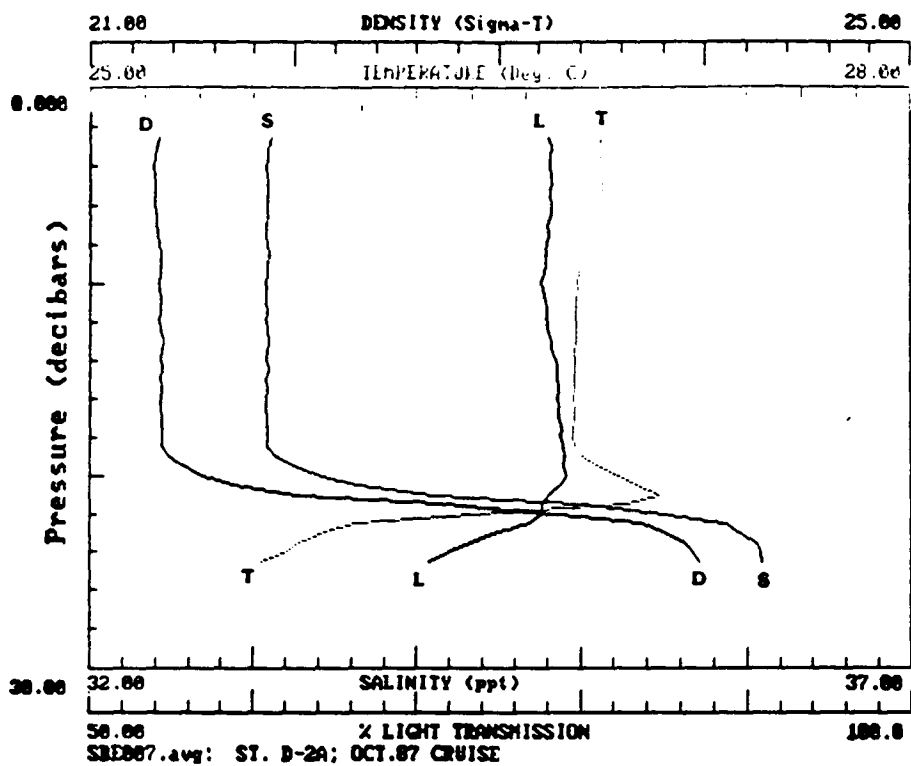


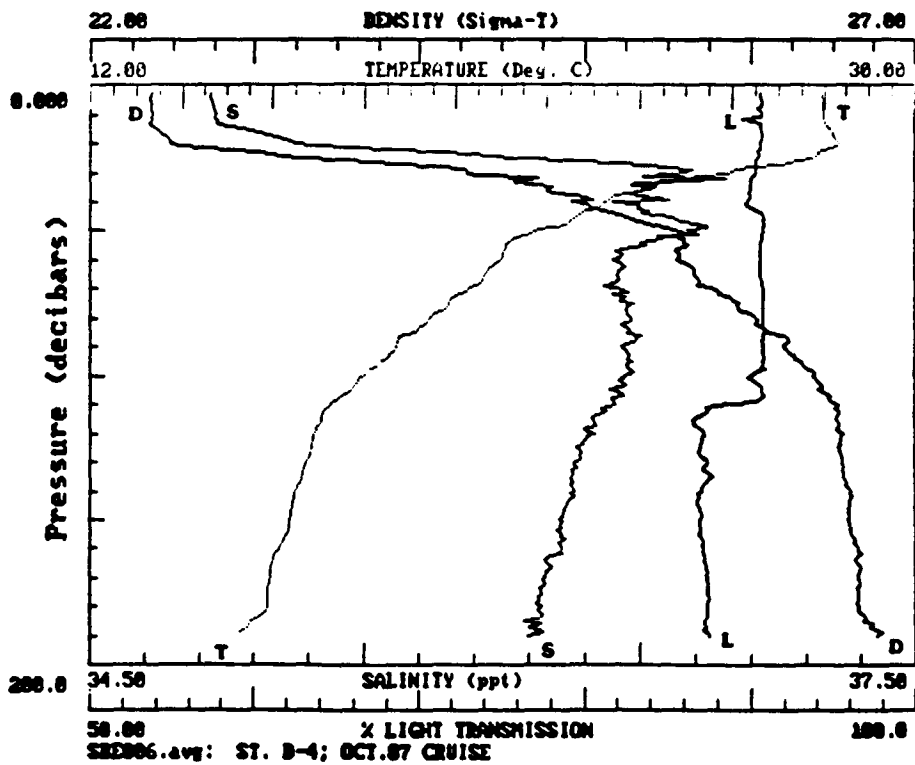
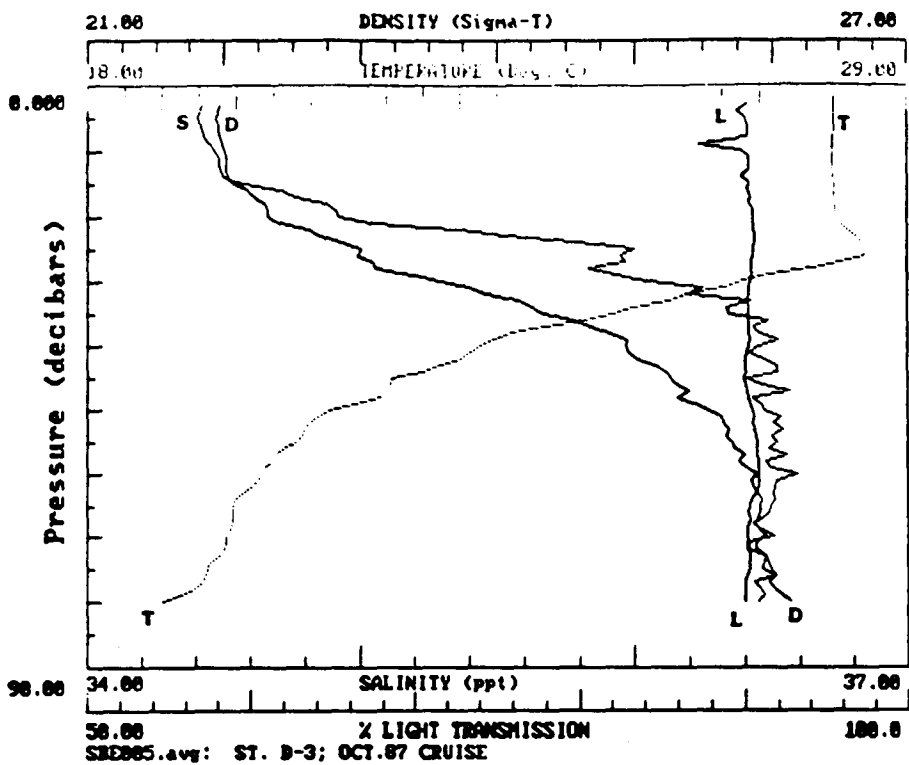


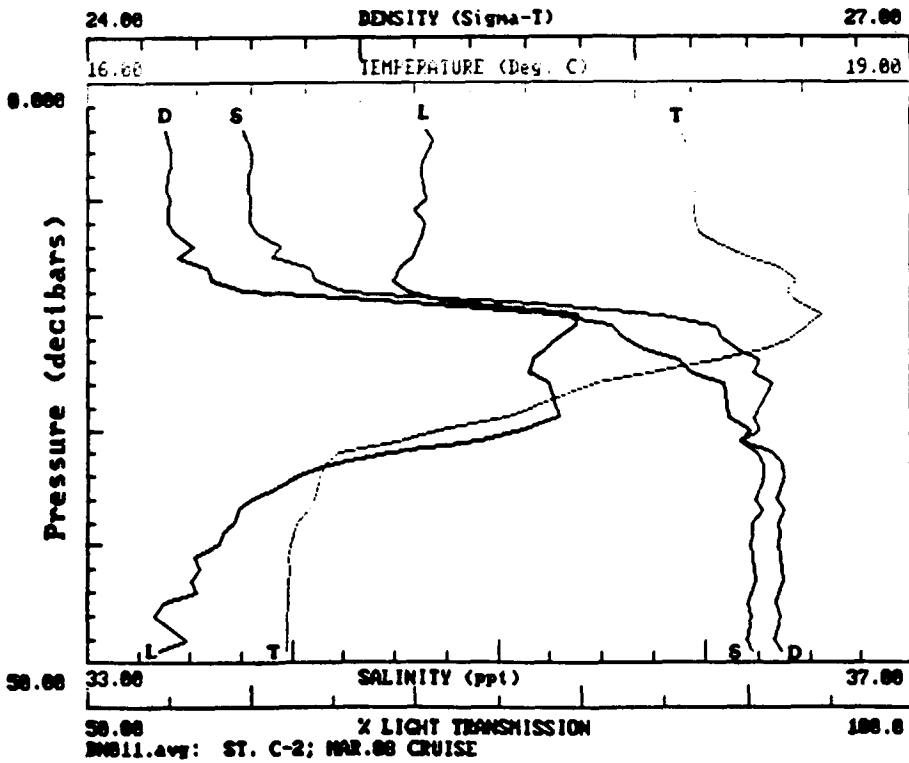
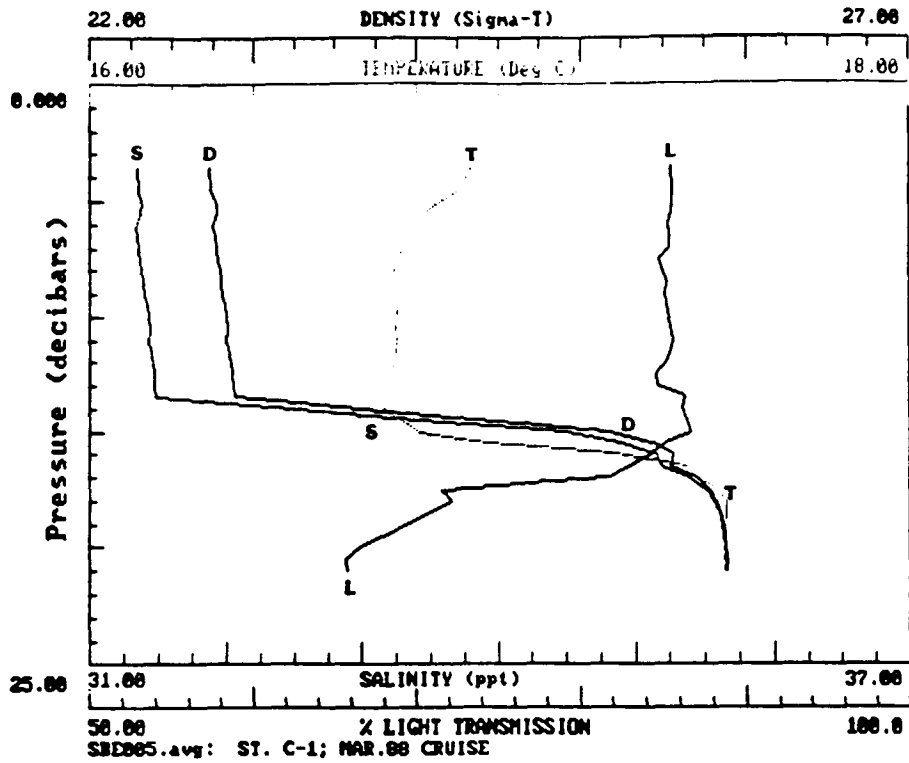




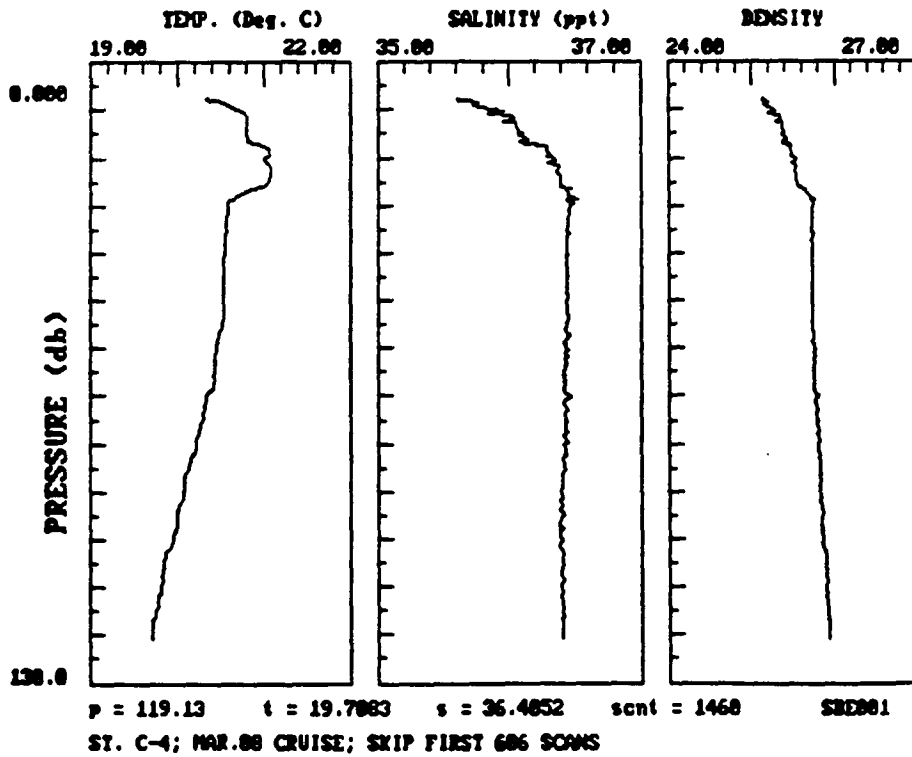
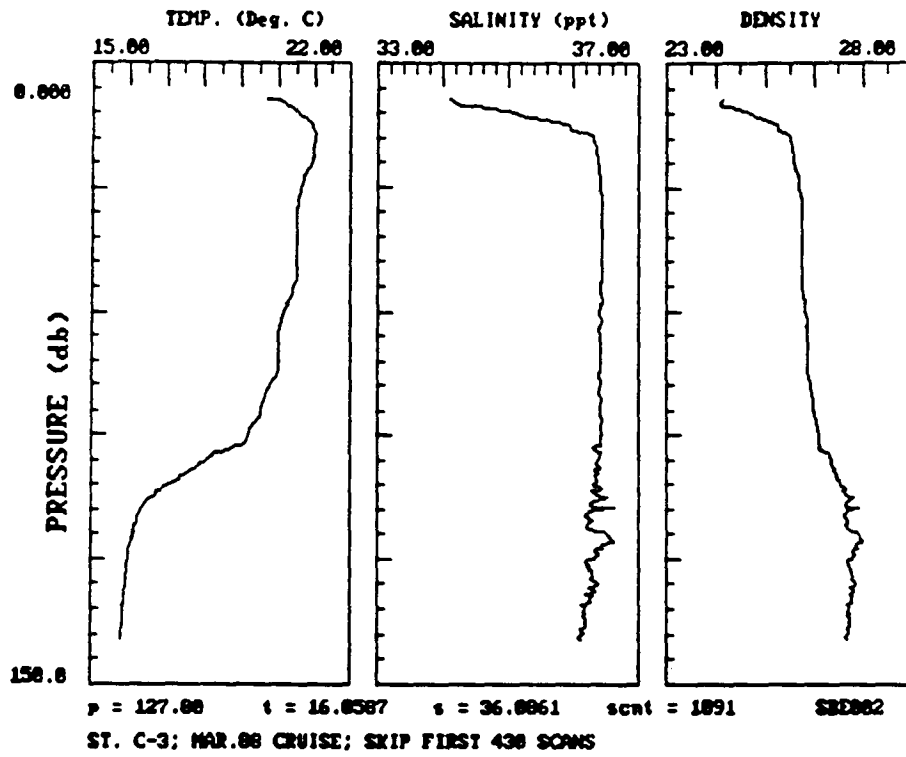


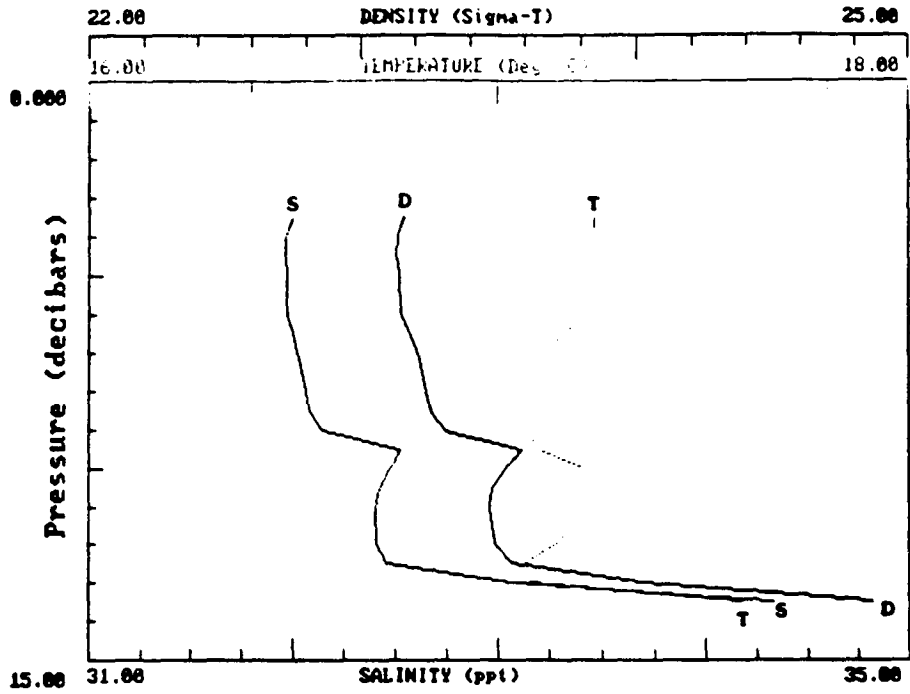




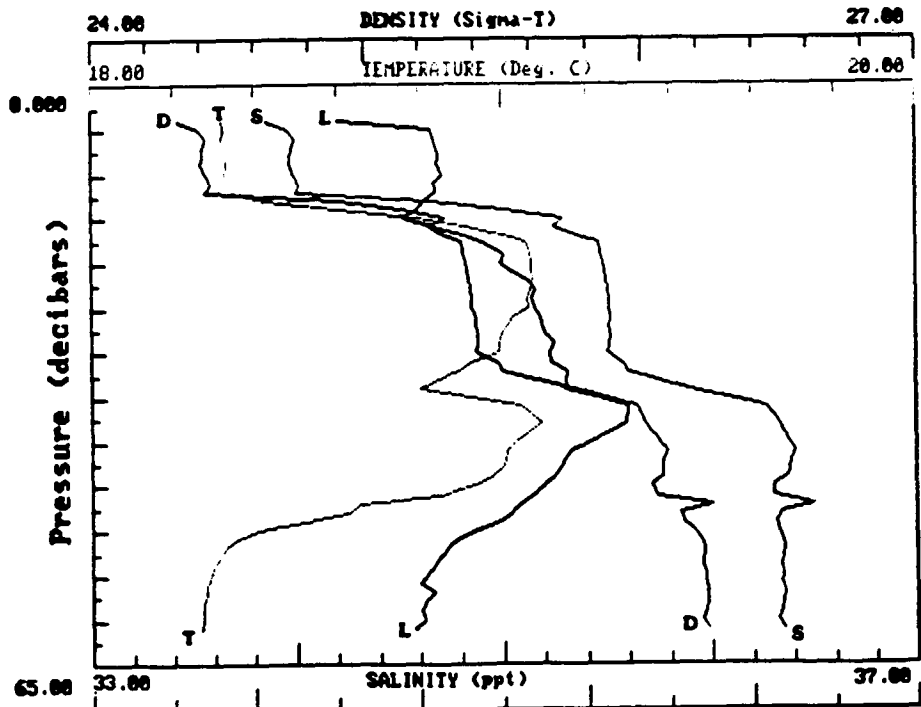




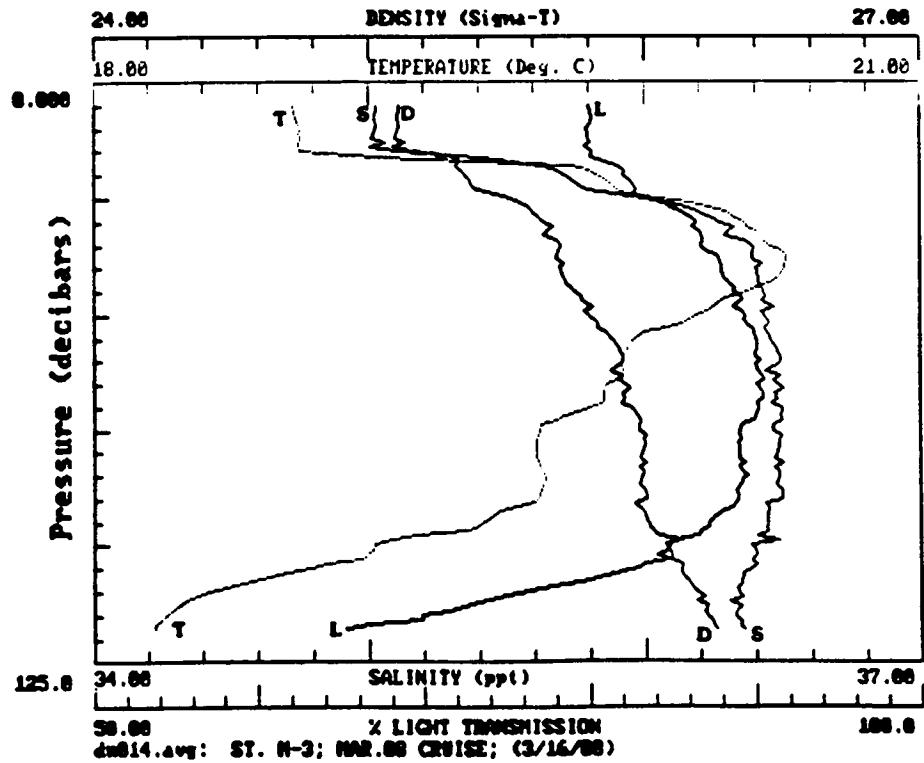
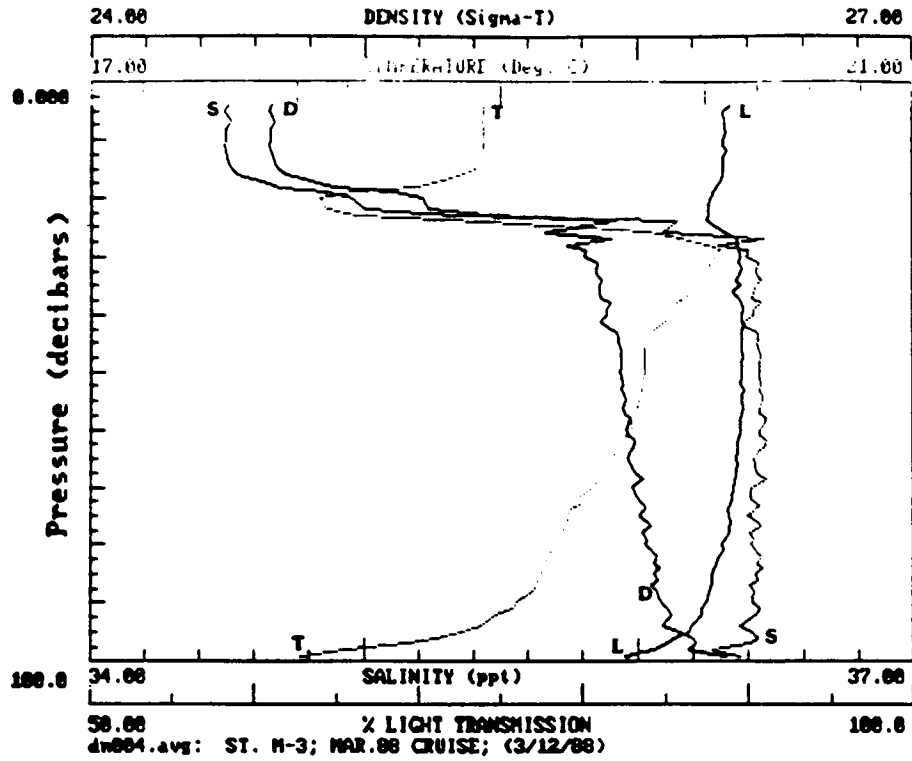


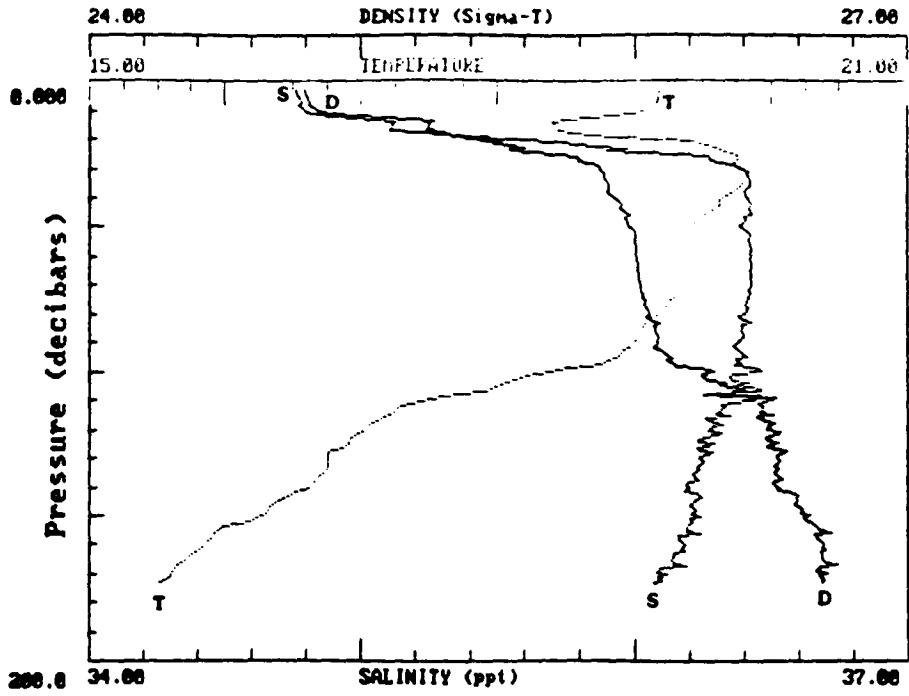


BN006.avg: ST. N-1; MAR.00 CRUISE

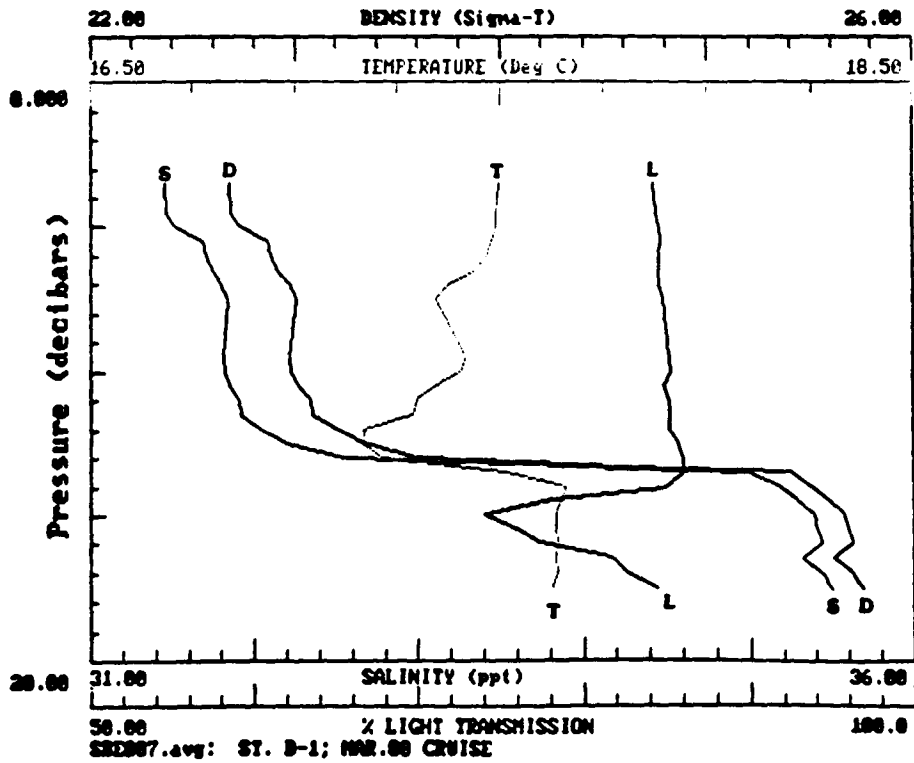


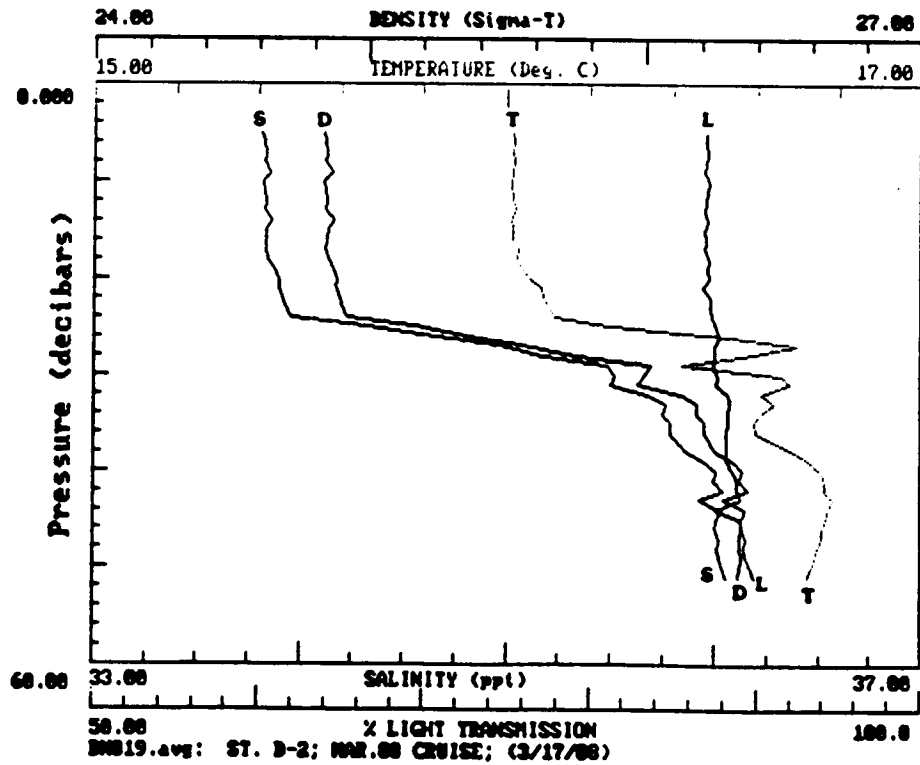
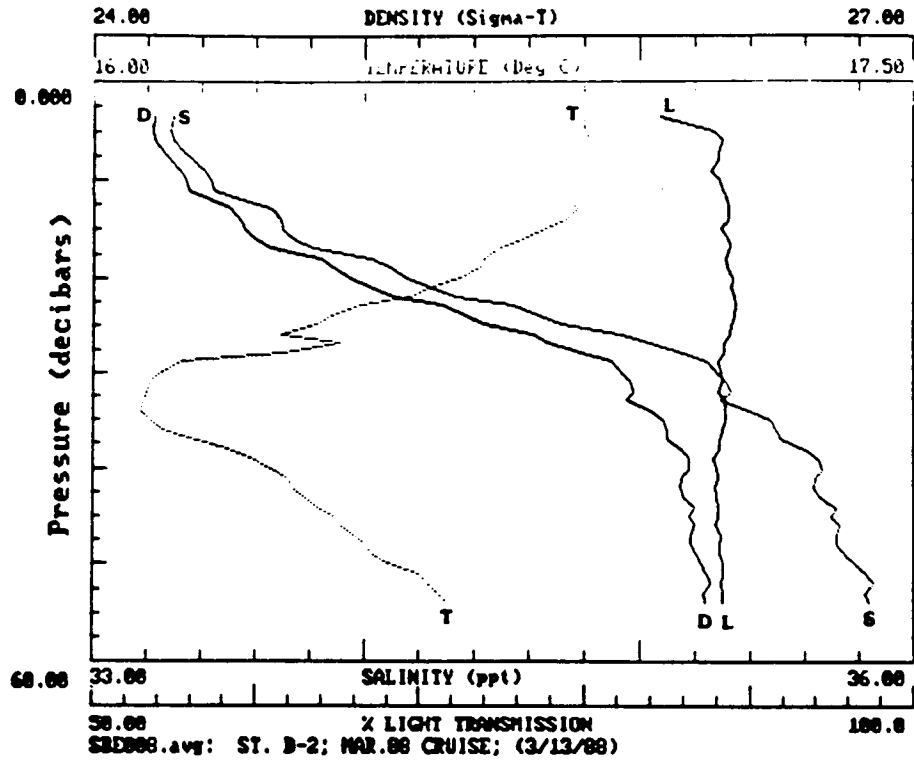
BN021.avg: ST. N-2; MAR.00 CRUISE

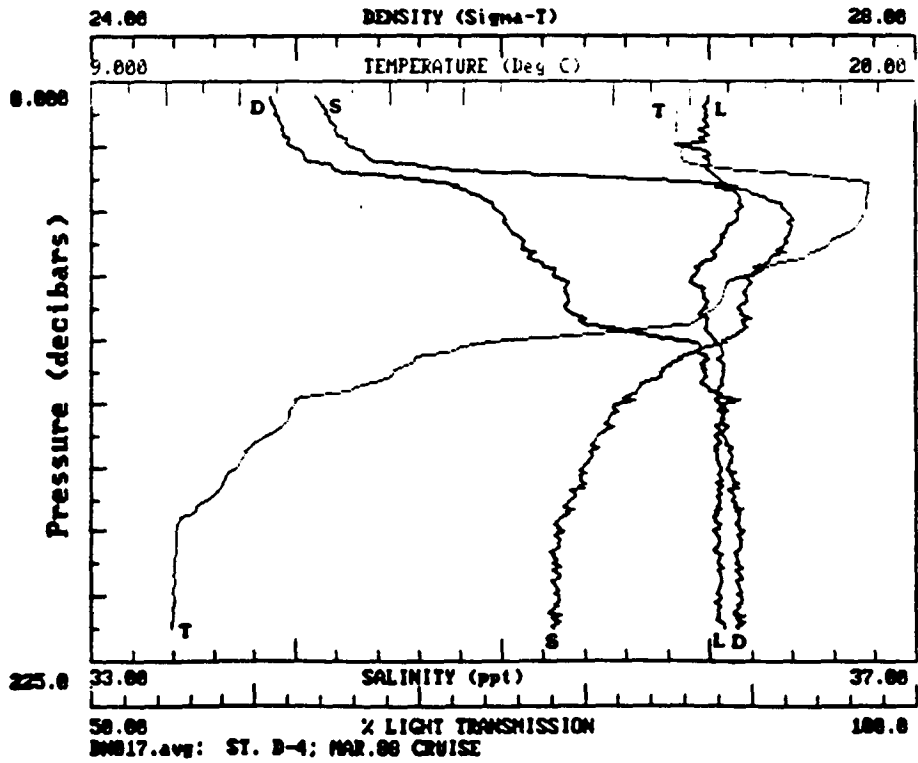
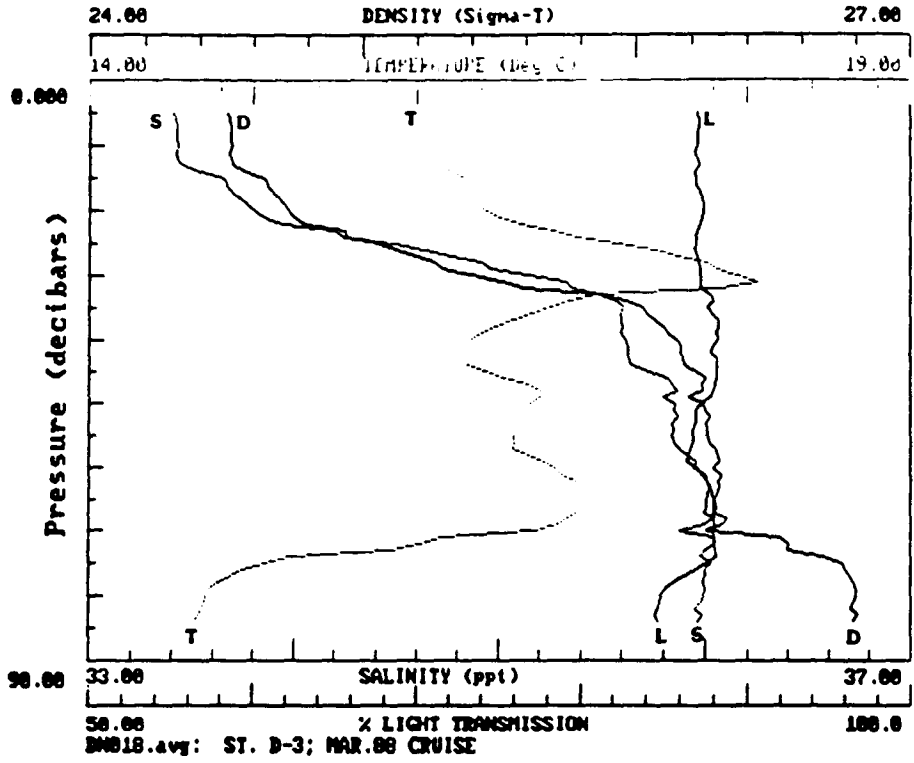


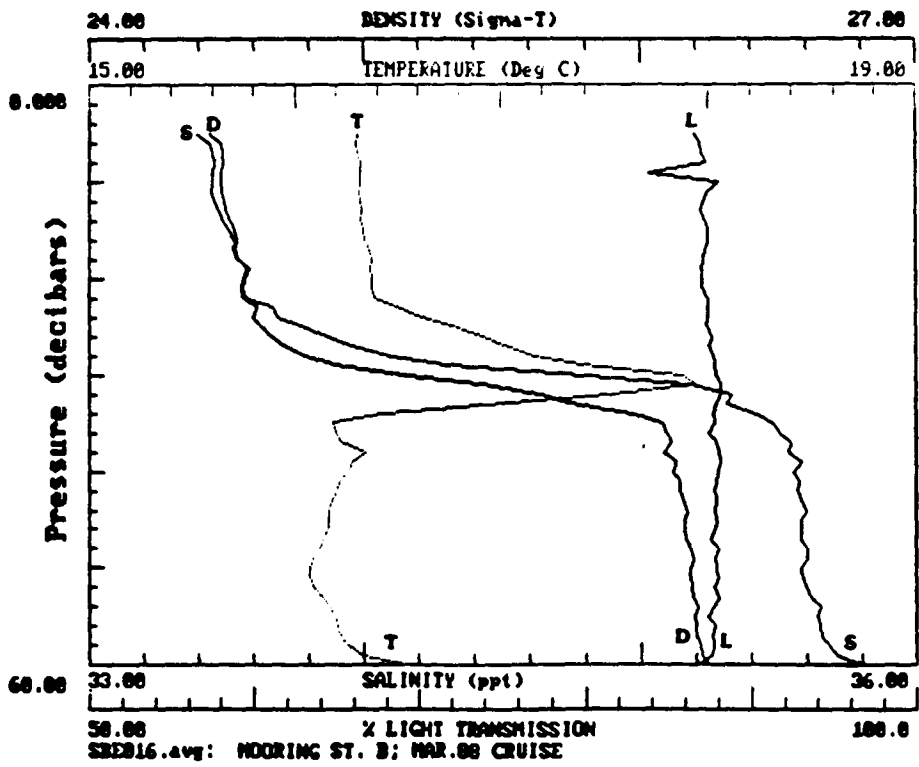
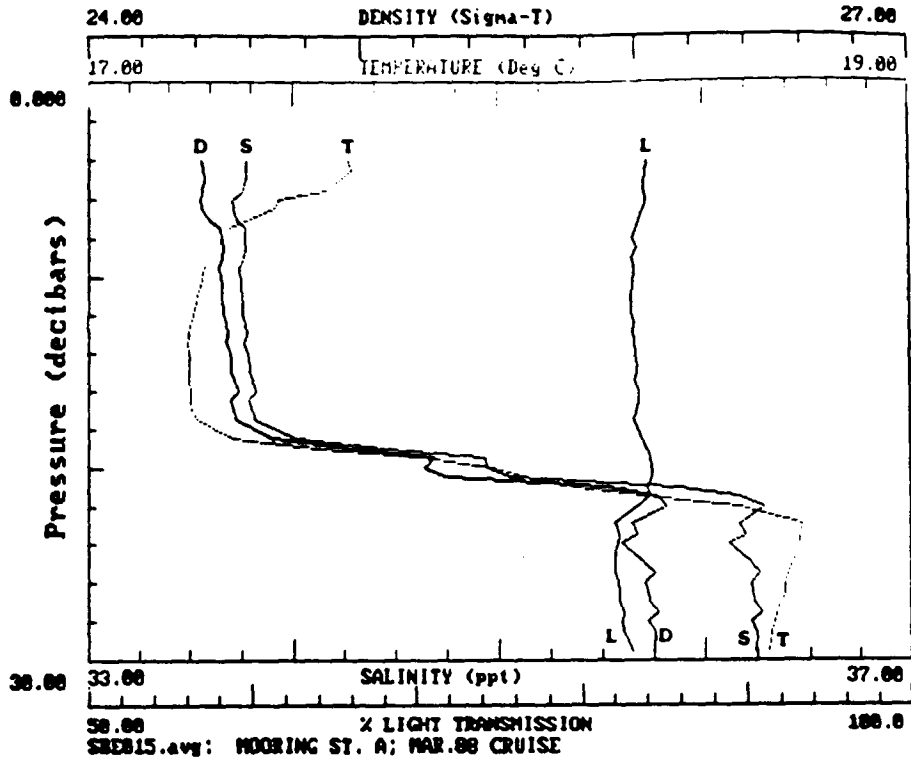


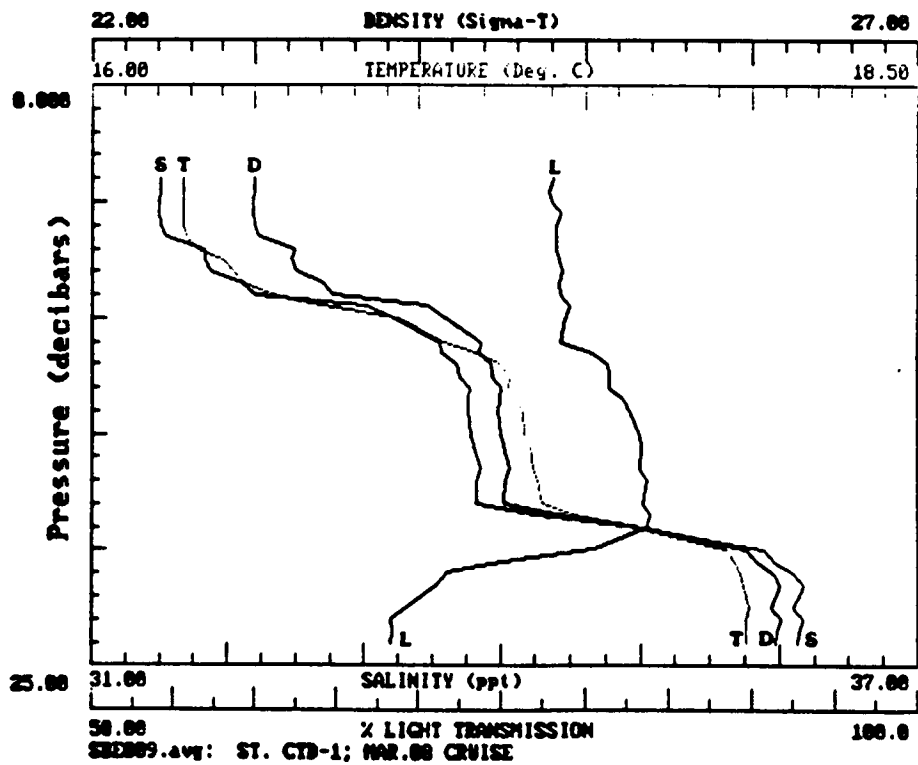
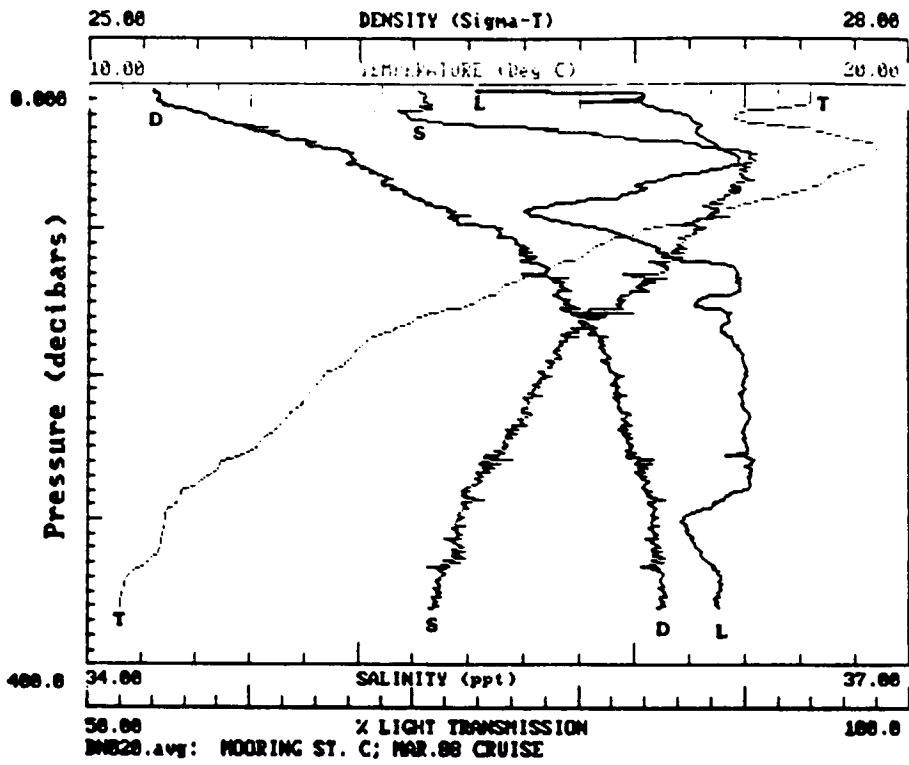
39863.avg: ST. H-4; MAR. 88 CRUISE; (3/12/88)



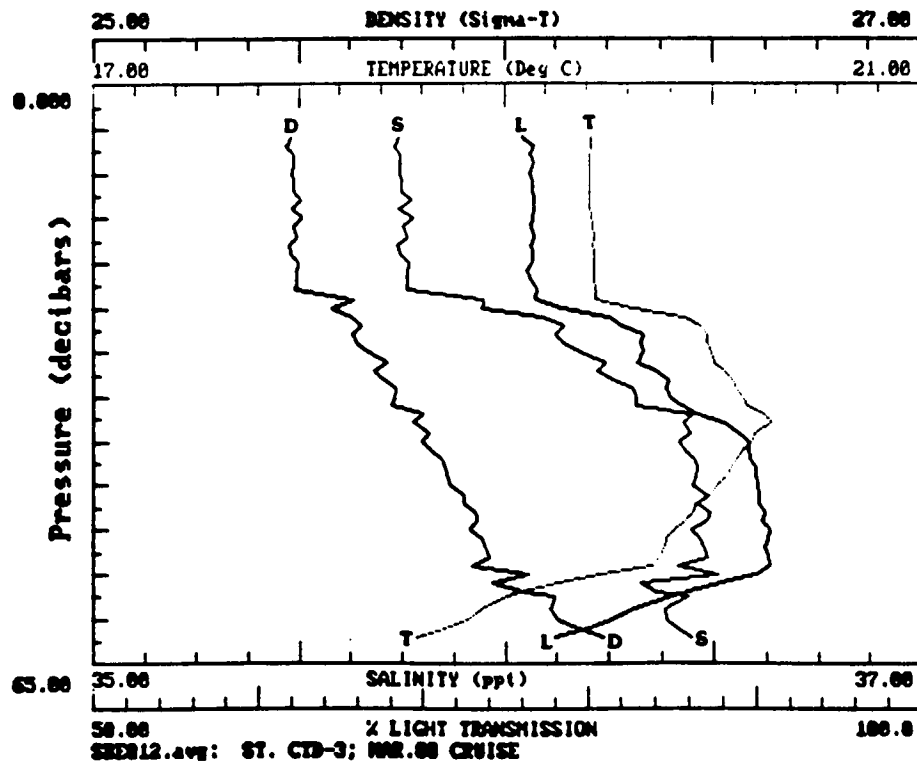
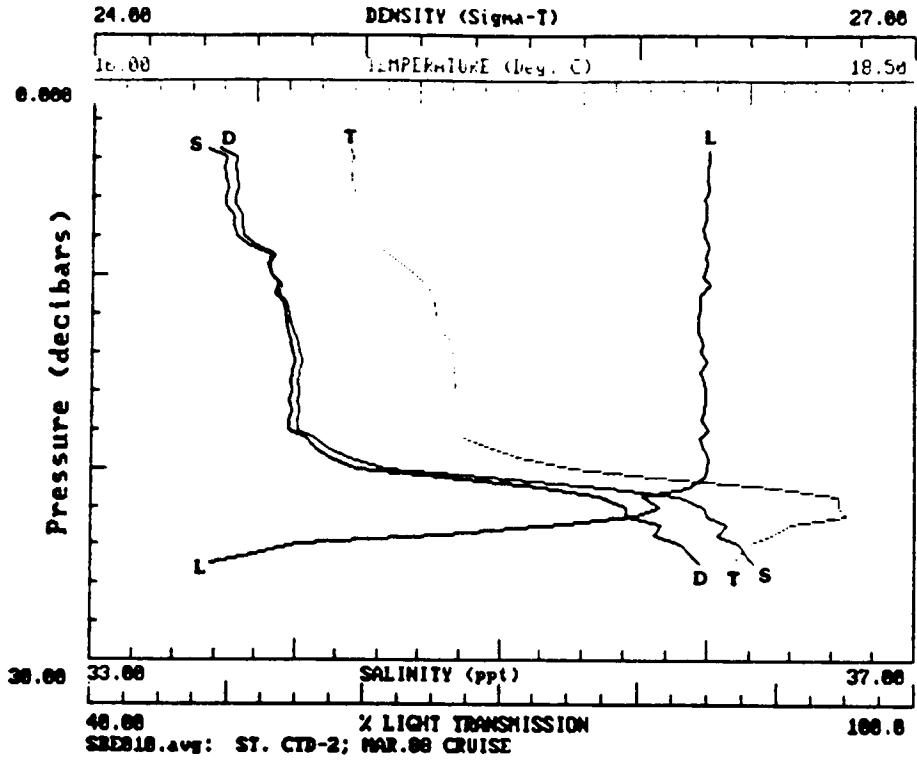












## Hydrographic Data

HYDROGRAPHIC DATA - CRUISE 0

STATION	DATE	DEPTH (m)	SALINITY (0/00)	DIS. OXYGEN (mg/l)
C-1		3	33.125	6.314
		6	33.291	6.306
		10	33.859	6.111
		14	33.909	5.975
		18	-----	5.182
C-2		4	32.958	6.114
		5	32.969	6.164
		10	34.111	5.415
		15	35.191	5.040
		21	35.602	4.914
		29	36.066	4.775
		39	36.213	4.335
	47	36.327	3.977	
C-3		3	34.221	6.005
		10	34.233	5.901
		20	35.925	4.870
		30	36.091	4.836
		40	36.195	4.629
		50	36.281	4.191
		60	36.365	3.613
		70	36.445	3.267
		80	36.406	3.062
		90	36.323	3.055
		105	36.117	3.096
	117	36.118	3.108	
C-4		20	35.723	4.945
		30	35.970	4.842
		40	36.267	4.880
		60	36.296	4.867
		80	36.512	3.328
		100	36.407	3.111
		125	36.288	3.103
		150	36.194	3.137
		175	36.074	3.075
	195	35.197	2.990	

C-123

HYDROGRAPHIC DATA - CRUISE 0

STATION	DATE	DEPTH (m)	SALINITY (0/00)	DIS. OXYGEN (mg/l)
M-1		4	29.626	6.443
		5	29.649	6.417
		10	34.665	5.444
		15	35.451	5.282
		17	35.464	5.295
M-2		5	33.077	6.423
		16	33.400	5.860
		25	35.464	4.828
		35	36.237	4.112
		46	36.294	3.977
		57	36.293	3.868
M-3		5	33.516	-----
		15	34.136	5.665
		25	36.203	4.839
		35	36.299	4.815
		44	36.353	4.801
		54	36.360	4.812
		65	36.374	4.804
		75	36.380	4.787
		85	36.381	4.539
		97	36.241	3.353
		104	36.084	3.063
	115	36.038	3.019	
M-4		5	33.429	6.716
		10	33.504	6.382
		20	36.250	4.782
		40	36.332	4.811
		60	36.352	4.763
		80	36.334	4.733
		100	36.446	3.127
		120	36.260	3.142
		140	35.966	3.046
		160	35.787	2.934
		180	35.748	2.889
	196	35.728	2.928	

HYDROGRAPHIC DATA - CRUISE 0

STATION	DATE	DEPTH (m)	SALINITY (0/00)	DIS. OXYGEN (mg/l)
D-1		4	31.368	6.296
		5	31.369	6.292
		10	34.123	-----
		12	34.532	5.506
		15	34.649	5.496
D-2		5	35.759	5.635
		15	35.760	5.627
		25	35.776	5.629
		35	36.058	5.403
		45	36.096	4.666
		55	36.144	3.677
D-3		5	35.634	5.732
		11	35.647	5.706
		20	35.889	5.337
		30	35.983	5.008
		40	36.129	4.984
		50	36.164	4.995
		60	36.171	4.713
		71	36.142	3.442
		80	36.148	3.222
D-4		4	35.730	5.564
		11	35.741	5.550
		21	35.766	5.514
		41	36.043	5.216
		60	36.438	3.189
		78	36.381	3.093
		98	36.267	3.115
		120	36.179	3.047
		141	36.115	3.073
		160	36.017	3.100
		180	35.972	3.073
		204	35.956	3.098

HYDROGRAPHIC DATA - CRUISE 1

STATION	DATE	DEPTH (m)	SALINITY (0/00)	DIS. OXYGEN (mg/l)
C-1	9/29/87	16.8		7.738*
		7.7	32.244	8.718
		3.9	32.251	8.528
		1.7	32.284	8.799
C-2	10/15/87	46.0	36.395	4.699
		34.0		6.812
		25.0		6.315
		15.0		7.366
		2.5	33.105	7.450
C-3	10/4/87	102.0	36.34	4.618
		80.0		4.775
		61.0		6.088
		20.0		7.423
		2.0	33.755	7.771
C-4	10/4/87	186.0	35.993	4.819
		153.0		4.687
		103.0		4.807
		51.0		6.668
		25.0		6.953
		3.0		7.218
M-1	9/29/87	12.7	31.925	8.569
		7.7	31.916	8.524
		4.0	31.905	8.618
		2.0	31.906	8.501
M-2	10/2/87	54.0	36.343	5.800
		39.5		6.769
		30.0		7.197
		20.0		7.469
		8.9		7.861
		2.0	34.497	7.421

HYDROGRAPHIC DATA - CRUISE 1

STATION	DATE	DEPTH (m)	SALINITY (0/00)	DIS. OXYGEN (mg/l)
M-3	10/3/87	121.0	36.222	4.632
		99.0		4.931
		74.0		5.470
		49.0		7.079
		25.0		7.324
		2.5	34.436	7.514
M-4	10/3/87	178.0	35.979	4.704
		130.5		4.578
		99.0		4.891
		51.0		7.703
		25.0		7.683
		2.0	34.406	7.215
D-1	9/29/87	17.5	34.439	7.772
		13.8	33.853	7.485
		10.8	33.227	7.138
		5.8	32.876	8.387
		2.5	32.837	7.787
D-2	9/29/87	49.0		5.915*
		39.0		6.807
		30.5	36.086	7.163
		20.6	35.845	7.961
		9.6	34.038	8.244
		2.5	33.505	8.217
D-3	9/30/87	80.0	36.364	5.478
		61.8	36.371	7.470
		41.4	36.262	7.462
		25.5	36.042	8.922
		10.0	34.449	7.323
		2.0	34.407	7.674

HYDROGRAPHIC DATA - CRUISE 1

STATION	DATE	DEPTH (m)	SALINITY (0/00)	DIS. OXYGEN (mg/l)
D-4	9/30/87	190.5	35.999	4.596
		150.0	36.182	5.255
		99.5		5.102
		49.3	36.422	7.767
		19.8	35.248	7.600
		2.0	34.94	7.219

\*Possible contamination due to leaking seal on nisken bottle.



HYDROGRAPHIC DATA - CRUISE 2

STATION	DATE	DEPTH (m)	SALINITY (0/00)	TEMPERATURE (°C)	DIS. OXYGEN (mg/l)
C-1	3/12/88	21	35.704	17.535	5.081
		9	31.354		8.779
		3	31.332		8.858
C-2	3/16/88	50.5	36.166	16.731	5.586
		39.5			6.167
		30	36.25		6.359
		20			7.493
		9.6			9.746
M-1	3/12/88	2	33.755	18.211	9.345
		14			2.486*
		12	32.904		8.242
		8	32.107		9.892
		6	31.952		9.976
M-2	3/18/88	3	31.957	17.356	9.607
		50	36.302		5.284
		37			7.12
		25.5			8.735
		17			9.173
M-2		4	33.958	18.381	9.807
M-3	3/16/88	120	36.375	18.229	6.425
		5		18.798	
M-3	3/12/88	100	36.267	17.762	5.879
		85	36.269		5.801
		58	36.382		7.792
		31	36.421		7.557
M-4	3/11/88	170	36.057	15.479	5.626
		150	36.126		6.218
		115	36.22		6.297
		31	36.424		7.699
		6.2	34.759		19.127
M-4	3/16/88	182	35.585	12.545	4.621
		92			7.728
		5			9.223

HYDROGRAPHIC DATA - CRUISE 2

STATION	DATE	DEPTH (m)	SALINITY (0/00)	TEMPERATURE (°C)	DIS. OXYGEN (mg/l)
D-1	3/13/88	18	35.426	17.589	8.991
		14	35.276		7.227
		12			9.575
		5	31.477	9.701	
		2.5	31.453	17.58	9.736
D-2	3/13/88	53	35.67	16.534	7.776
		44	35.358		9.618
		33			9.378
		24	33.431		9.628
		2	33.27	17.002	8.511
D-3	3/17/88	85.5	35.865	14.475	4.893
		69.7			6.371*
		49.7	35.85		6.518
		34.9	35.545		6.672
		21.5			8.217*
4	33.422	8.649			
D-4	3/17/88	213	35.221	10.09	4.633
		150	35.364		4.288
		100			5.188*
		49	36.367		7.51
		4		16.82	8.664

\* Possible sample contamination due to leaking seal on nisken bottle.

## Nutrients

MISSISSIPPI/ALABAMA MARINE ECOSYSTEM STUDY

STATION	SAMPLE	PO4-P	NO3	N02	SiO4
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<b>CRUISE 0</b>
<b>NUTRIENT DATA</b>

C-1	1	0.13	1.3	0.13	2.7
	2	0.13	0.1	0.14	2.1
	3	0.14	0.2	0.14	1.5
	4	0.14	0.2	0.15	2.1
	5	0.29	0.1	0.69	3.2
C-2	1	0.19	1.5	0.40	4.5
	2	0.18	1.4	0.39	4.5
	3	0.23	2.6	1.04	4.6
	4	0.21	2.1	0.78	3.3
	5	0.19	1.8	0.67	3.0
	6	0.20	1.5	0.57	2.8
	7	0.29	3.7	0.26	3.5
	8	0.36	5.1	0.21	3.5
C-3	1	0.10	0.5	0.27	1.5
	2	0.17	2.0	0.43	2.9
	3	0.18	1.8	0.50	2.7
	4	0.19	2.5	0.45	2.9
	5	0.27	4.7	0.26	3.6
	6	0.46	7.4	0.16	4.9
	7	0.54	9.9	0.17	4.4
	8	0.63	11.7	0.17	4.9
	9	0.71	12.8	0.19	5.3
	10	0.88	14.5	0.22	6.6
	11	0.94	15.1	0.25	7.2
	12	0.14	0.4	0.31	1.7
C-4	1	0.20	1.6	0.59	2.9
	2	0.20	1.6	0.49	2.6
	3	0.11	0.7	0.62	2.1
	4	0.15	0.7	0.59	2.2
	5	0.50	8.1	0.20	4.2
	6	0.67	10.8	0.19	4.8
	7	0.76	12.4	0.18	5.4
	8	0.84	13.5	0.18	5.8
	9	0.99	15.1	0.25	7.1
	10	1.15	16.6	0.28	8.3
M1	1	0.18	0.3	0.14	9.0
	2	0.17	0.0	0.14	8.9
	3	0.19	0.2	0.50	3.2
	4	0.23	0.2	0.73	2.5
	5	0.23	0.7	0.73	2.5

MISSISSIPPI/ALABAMA MARINE ECOSYSTEM STUDY

STATION	SAMPLE	PO4-P	NO3	NO2	SiO4
M2	1	0.17	0.1	0.18	1.5
	2	0.19	1.2	0.36	2.6
	3	0.24	2.7	0.68	3.8
	4	0.32	4.4	0.27	3.8
	5	0.49	5.0	0.26	4.1
	6	0.44	5.5	0.32	4.5
M3	1	0.23	0.3	0.18	1.2
	2	0.25	1.8	0.50	2.0
	3	0.17	1.2	0.49	2.0
	4	0.15	1.1	0.41	2.0
	5	0.17	1.0	0.59	2.0
	6	0.15	1.1	0.54	1.9
	7	0.15	1.0	0.48	1.9
	8	0.19	1.2	0.50	2.0
	9	0.21	2.2	0.54	2.4
	10	0.70	11.0	0.22	5.3
	11	0.95	15.2	0.18	6.8
	12	0.97	15.5	0.19	6.7
M4	1	0.16	0.1	0.16	1.2
	2	0.16	0.2	0.19	1.2
	3	0.17	0.5	0.78	2.5
	4	0.14	0.6	0.62	2.3
	5	0.15	0.8	0.53	2.4
	6	0.17	1.2	0.59	2.4
	7	0.61	8.8	0.21	4.5
	8	0.77	11.8	0.21	5.8
	9	1.05	16.0	0.21	7.9
	10	1.34	19.1	0.21	9.5
	11	1.34	19.9	0.22	9.8
	12	1.30	20.2	0.23	10.1
D1	1	0.17	0.1	0.08	5.2
	2	0.49	0.2	0.24	5.1
	3	0.36	0.1	0.13	2.4
	4	0.24	0.2	0.16	2.0
	5	0.44	0.2	0.18	1.9
D2	1	0.12	0.2	0.12	0.8
	2	0.12	0.2	0.12	0.8
	3	0.11	0.2	0.14	0.8
	4	0.14	0.2	0.19	1.1
	5	0.37	3.9	0.39	2.8
	6	0.69	9.9	0.34	5.5

MISSISSIPPI/ALABAMA MARINE ECOSYSTEM STUDY

STATION	SAMPLE	PO4-P	NO3	N02	SiO4
D3	1	0.12	0.2	0.12	1.4
	2	0.12	0.2	0.12	1.3
	3	0.36	0.3	0.19	1.4
	4	0.35	1.5	0.40	2.2
	5	0.24	1.5	0.41	2.0
	6	0.23	1.8	0.44	2.0
	7	0.32	3.3	0.41	2.8
	8	0.76	11.9	0.21	5.9
	9	0.91	14.0	0.17	6.4
	10	0.91	14.4	0.17	6.4
D4	1	0.09	0.0	0.16	0.7
	2	0.13	0.2	0.16	0.8
	3	0.12	0.2	0.17	1.0
	4	0.14	0.5	0.26	1.0
	5	0.59	9.6	0.25	4.2
	6	0.70	11.9	0.22	4.9
	7	0.78	13.2	0.22	5.5
	8	0.87	14.3	0.22	6.3
	9	0.91	15.0	0.21	6.4
	10	0.99	16.0	0.21	7.2
	11	1.02	16.8	0.21	7.4
	12	1.05	16.9	0.22	7.9

MISSISSIPPI/ALABAMA MARINE ECOSYSTEM STUDY

STATION	SAMPLE	PO4-P	NO3	N02	SI04
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<b>CRUISE 1 NUTRIENT DATA</b>
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C-1	1	0.18	0.2	0.05	4.3
	3	0.44	1.4	0.13	7.0
	4	0.14	0.2	0.09	1.7
	5	0.18	0.2	0.08	1.7
C-2	1	0.31	0.7	0.09	13.2
	2	0.08	0.2	0.08	3.9
	3	0.19	0.2	0.10	5.0
	4	0.23	0.2	0.06	2.5
	5	0.27	0.2	0.07	3.0
C-3	1	0.33	8.1	0.07	5.4
	2	0.22	3.9	0.16	7.6
	3	0.11	0.2	0.09	2.4
	5	0.12	0.2	0.06	1.3
	6	0.20	0.2	0.06	2.3
	C-4	1	0.87	13.7	0.08
3		0.28	0.2	0.17	8.2
4		0.11	2.0	0.06	1.9
5		0.10	0.1	0.08	1.1
6		0.28	0.2	0.09	2.4
M-1		1	0.48	1.4	1.39
	2	0.24	0.3	0.07	3.2
	3	0.11	0.2	0.08	3.1
	4	0.20	0.1	0.04	3.0
	5	0.15	0.1	0.06	3.1
M-2	1	0.08	0.2	0.04	9.3
	2	0.07	0.1	0.04	6.0
	3	0.06	0.1	0.01	2.8
	4	0.11	0.1	0.03	3.1
	5	0.06	0.1	0.01	2.4
	6	0.09	0.1	0.02	2.3
M-3	1	0.10	10.1	0.01	6.8
	2	0.14	0.1	0.07	7.0
	3	0.17	0.2	0.09	7.8
	4	0.03	1.4	0.06	3.4
	5	0.04	0.1	0.02	2.7
	6	0.06	0.2	0.04	2.9

MISSISSIPPI/ALABAMA MARINE ECOSYSTEM STUDY

STATION	SAMPLE	PO4-P	NO3	N02	SiO4
M-4	1	0.88	15.4	0.00	8.0
	2	0.22	5.5	0.05	8.7
	4	0.11	0.1	0.04	3.2
	6	0.03	0.1	0.00	2.2
D-1	1	0.15	0.1	0.12	5.5
	2	0.16	0.2	0.06	3.6
	3	0.30	0.1	0.06	3.6
	4	0.16	0.1	0.02	2.6
	5	0.15	0.2	0.04	2.6
D-2	1	0.10	5.8	0.33	5.6
	2	0.12	0.5	0.28	4.7
	3	0.27	1.2	0.45	6.0
	4	0.11	0.2	0.00	3.3
	5	0.07	0.1	0.04	2.6
	6	0.15	0.2	0.02	2.1
D-3	1	0.57	9.4	0.07	5.3
	2	0.09	0.9	0.02	3.3
	3	0.11	0.2	0.08	2.5
	4	0.09	0.1	0.09	1.3
	5	0.61	0.1	0.04	1.5
	6	0.05	0.1	0.01	1.0
D-4	1	0.74	13.8	0.02	7.8
	2	0.11	13.3	0.01	6.6
	3	0.11	12.0	0.04	5.2
	4	0.10	0.1	0.00	1.1
	5	0.08	0.1	0.00	1.1
	6	0.09	0.1	0.00	0.7



MISSISSIPPI/ALABAMA MARINE ECOSYSTEM STUDY

STATION	SAMPLE	PO4-P	NO3	N02	SiO4
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<b>CRUISE 2 NUTRIENT DATA</b>
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C-1	1	0.79	7.4	0.72	13.3
	2	0.75	7.4	0.74	13.4
	3	0.15	0.3	0.06	0.9
	4	0.15	0.3	0.06	1.0
C-2	1	0.94	12.7	0.11	7.4
	2	0.87	12.4	0.13	7.0
	3	0.77	9.9	0.08	6.4
	4	0.46	5.0	0.44	3.9
	5	1.14	17.3	0.06	9.4
	6	0.32	4.8	0.52	3.7
C-3	2	0.91	13.9	0.03	6.8
	3	0.45	9.2	0.28	9.9
C-4	1	0.18	0.9	0.63	1.3
	2	0.17	0.8	0.66	1.4
	4	0.57	12.8	0.34	12.2
M-1	1	0.35	3.0	0.77	8.0
	2	0.20	0.9	0.29	3.4
	3	0.16	0.5	0.16	2.3
	4	0.22	0.4	0.13	1.9
	6	0.13	0.4	0.13	1.9
M-2	2	0.59	7.4	0.19	6.1
	3	0.32	3.3	0.60	3.1
	4	0.19	0.7	0.16	0.8
	5	0.17	0.1	0.04	0.3
	6	0.17	1.3	0.23	1.0
M-3	1	0.59	7.3	0.26	5.7
	2				
	3	0.22	1.6	0.20	1.9
	4	0.62	8.9	0.19	6.0
	5	0.60	8.9	0.12	5.9
	7	0.30	1.5	0.72	1.7
	8	0.13	0.2	0.44	0.7
	9	0.20	0.3	0.08	0.4

MISSISSIPPI/ALABAMA MARINE ECOSYSTEM STUDY

STATION	SAMPLE	PO4-P	NO3	N02	SiO4
M-4	1	0.94	14.7	0.06	7.1
	2	0.47	11.0	0.07	5.3
	3	0.73	11.0	0.08	5.4
	5	0.19	1.2	0.72	1.4
	6	0.15	0.7	0.19	0.3
	7	0.29	4.6	0.49	3.5
	8				
	9	0.20	0.8	0.11	1.5
	D-1	1	0.36	2.5	0.78
2		0.34	2.2	0.77	8.9
3		0.09	0.1	0.09	4.7
4		0.08	0.2	0.04	5.3
6		0.09	0.0	0.04	5.4
D-2		1	0.28	1.6	0.68
	2	0.18	0.3	0.35	1.8
	4	0.12	0.0	0.00	1.0
	5	0.13	0.0	0.01	1.0
	6	1.24	17.4	0.11	1.5
	D-3	1	1.24	17.4	0.11
2		0.44	5.9	0.05	4.9
3		0.42	5.2	0.10	7.4
4		0.30	2.4	0.80	6.4
5		0.13	0.3	0.17	1.5
6		0.15	0.0	0.03	1.3
D-4	1	1.78	26.2	0.04	15.5
	2	1.78	25.8	0.00	15.2
	3	1.67	25.0	0.04	14.1
	4	0.97	14.3	0.05	7.9
	5	0.22	2.5	0.55	1.6
	6	0.18	0.0	0.02	0.6

As the Nation's principal conservation agency, the Department of the Interior has responsibility for most of our nationally-owned public lands and natural resources. This includes fostering sound use of our land and water resources; protecting our fish, wildlife, and biological diversity; preserving the environmental and cultural values of our national parks and historical places; and providing for the enjoyment of life through outdoor recreation. The Department assesses our energy and mineral resources and works to ensure that their development is in the best interests of all our people by encouraging stewardship and citizen participation in their care. The Department also has a major responsibility for American Indian reservation communities and for people who live in island territories under U.S. administration.

