



**COLLECTION, ENUMERATION AND ANALYSIS
OF INVERTEBRATE COMMUNITY AND SUBSTRATE IN THE
CHASSAHOWITZKA RIVER, FLORIDA:
METHODOLOGY AND DATA REPORT**

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Background

The purpose of this project was to collect, identify, enumerate and summarize the benthic communities within the Chassahowitzka River along a salinity gradient from open waters of the Gulf of Mexico to the Chassahowitzka spring. Ancillary water quality and sediment quality data were collected concurrently. The results are compiled in a Microsoft Excel or Access database.

Mote Marine Laboratory (MML) performed analyses of benthic invertebrate communities from core and sweep samples and analyses of grain size distributions, percent solids, moisture, and percent organics on sediment samples from the Chassahowitzka River in May (dry season) and September (wet season), 2005. Samples were collected by Mr. Jay R. Leverone, Benthic Ecology Program of Mote Marine Laboratory. Analyses were conducted in accordance with MML's Quality Manual #E84091, approved by the Florida Department of Health. This report summarizes data from 28 benthic core, benthic sweep and sediment samples in addition to a dry season submerged aquatic vegetation survey.

Macrophyte Survey: Sample Collection and Analyses

A macrophyte survey was conducted during the dry season at approximately 0.5 km intervals from the mouth of the river to the headspring (Table 1). A transect was established at each interval and ten quarter-meter square quadrats were analyzed along each transect (Table 2). Percent cover of each macrophyte species was measured using the Braun-Blanquet method. Macrophyte composition and diversity are summarized in Table 3.

Water Quality Data: Data Collection and Analyses

Water quality data (salinity, pH, dissolved oxygen, temperature and conductivity) were recorded within one foot of the surface, within one foot of the bottom and at mid-depth, using a Hydrolab Minisonde™ multiparameter water quality meter. At depths less than three feet, only a mid-depth measurement was recorded. Water quality data are summarized in Table 4 (dry season) and Table 5 (wet season).

Invertebrate Communities: Sample Collection and Analyses

At each station, macroinvertebrate communities were sampled with a 3" diameter core (which penetrated the sediment 15 cm) and a sweep net which collected surface fauna. A single core and sweep net sample were collected at each station. The material was washed through a 0.5 mm sieve to remove fine sediments. The retained material was transferred to a pre-labeled jar and fixed with 10% buffered Formalin™ by volume. After remaining in fixative for a minimum of seventy-two hours, faunal samples were rinsed in water and preserved in 70% isopropyl alcohol. Fauna were sorted under a dissecting microscope into five major taxonomic categories: annelids, molluscs, crustaceans, insects, and miscellaneous. After sorting, fauna from each major category were identified to the lowest practical taxonomic level, usually to the genus or species level. NODC codes were assigned to each taxon.

The following metrics were calculated for the enumerated benthic faunal communities: number of individuals, number of taxa, Shannon-Wiener Diversity Index (H'), Gini's Index, Margalef's

Index, Simpson's Index and Pielou's Index of Equitability (J'). Dry season data are summarized in Table 6 (Cores) and Table 7 (Sweeps). Wet season data are summarized in Table 8 (Cores) and Table 9 (Sweeps).

Table 1. Chassahowitzka River Station Locations

River Kilometer	Longitude (Deg West)	Latitude (Deg North)
0.0	-82.64347	28.69070
0.5	-82.64070	28.69458
1.0	-82.63545	28.69530
1.5	-82.63132	28.69725
2.0	-82.62785	28.70072
2.5	-82.62352	28.70254
3.0	-82.61922	28.70462
3.5	-82.61449	28.70540
4.0	-82.61283	28.70949
4.5	-82.61197	28.71327
5.0	-82.60748	28.71484
5.5	-82.60295	28.71592
6.0	-82.60102	28.71956
6.5	-82.59602	28.72027
7.0	-82.59207	28.71843
7.5	-82.58792	28.71635
8.0	-82.58337	28.71561
8.5	-82.57922	28.71647
9.0	-82.57780	28.71592

Table 2. Station Description and Location of Macrophyte Quadrats. Dry Season (May 16, 2005).

River Kilometer	Station Description and Field Notes
0.0	Oyster shell/shell hash; few live oyster clumps; habitat similar along entire transect
0.5	SAV encountered toward N bank
1.0	Quads 1-7 along S bank; 8-10 on N bank
1.5	No field notes
2.0	Quads 1-5 along S bank; 6-10 on N bank; <i>Myriophyllum</i> long and luxuriant
2.5	Quad 1-5 on N bank; 6-10 on S bank
3.0	Quads 1-5 along N bank; 6-10 on S bank; <i>Enteromorpha</i> abundant along N bank
3.5	Quad 1-5 on S bank
4.0	No field notes
4.5	No field notes
5.0	Sampled S bank only
5.5	High density of small gastropods in drift algae
6.0	Bottom covered w/ drift algae; very little SAV
6.5	N bank to center = all drift algae; ctr bare w/drift; S bank diverse (DEP doing optical brightener study here)
7.0	POT more abundant along both shores; POT only captured in one quad
7.5	Surveyed N bank -> S bank
8.0	Surveyed Center => S bank
8.5	Surveyed S -> N; end transect just past centerpoint; N bank w/ mat of algae on surface
9.0	Drift algae heaviest on S side of river; mostly POT on S side

Table 3. Chassahowitzka Macrophyte Data, May 16, 2005

Kilometer	Species	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Sum	N _O	N _T	Freq	Abud	Dens
0.0	Drft	5	5	5		1			5	4	5	30	7	10	0.7	4.3	3.0
	Root	5	5	5		1	2		5	4	4	31	8	10	0.8	3.9	3.1
	Bare				5			5				10	2	10	0.2	5.0	1.0
0.5	Myr		5	2							2	12	4	10	0.4	3.0	1.2
	Drft		4			5	5	5	5	5	3	32	7	10	0.7	4.6	3.2
	Root				2							2	1	10	0.1	2.0	0.2
1.0	Bare	5										5	1	10	0.1	5.0	0.5
	Myr							0.5	0.5	1		2	3	10	0.3	0.7	0.2
	Rup		2			5						7	2	10	0.2	3.5	0.7
1.5	Root			3							4	7	2	10	0.2	3.5	0.7
	Drft			5	2				3			10	3	10	0.3	3.3	1.0
	Bare	5					5	5				15	3	10	0.3	5.0	1.5
2.0	Myr		1		2	2	4					9	4	10	0.4	2.3	0.9
	Rup	2					2			2	2	8	4	10	0.4	2.0	0.8
	Drft	5	4	4	4	5	5					27	6	10	0.6	4.5	2.7
2.5	Bare							5	5	2	2	14	4	10	0.4	3.5	1.4
	Myr			0.5			2	3		4	2	11.5	5	10	0.5	2.3	1.2
	Rup				0.5							0.5	1	10	0.1	0.5	0.1
3.0	Bare	5	5			5			5			20	4	10	0.4	5.0	2.0
	Myr							2		1		3	2	10	0.2	1.5	0.3
	Rup					2						2	1	10	0.1	2.0	0.2
3.5	Drft							3				3	1	10	0.1	3.0	0.3
	Bare	5	5	5	5		5		5		5	35	7	10	0.7	5.0	3.5
	Myr	2	0.1		1	3	2					8.1	5	10	0.5	1.6	0.8
4.0	Drft							2				2	1	10	0.1	2.0	0.2
	Bare			5					5	5	5	25	5	10	0.5	5.0	2.5
	Myr	0.1	0.1			0.1		3	3	1		7.3	6	10	0.6	1.2	0.7
4.5	Rup	2	2	5	2		4	3	3	3	4	28	9	10	0.9	3.1	2.8
	Drft	4		5	2						3	14	4	10	0.4	3.5	1.4
	Myr	2			2			3			5	12	4	10	0.4	3.0	1.2
5.0	Rup		5	5								10	2	10	0.2	5.0	1.0
	Drft		5							2		7	2	10	0.2	3.5	0.7
	Bare					5	5		5			15	3	10	0.3	5.0	1.5

Table 3. (Cont.)

Kilometer	Species	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Sum	N _O	N _T	Freq	Abud	Dens	
4.5	Myr		3	3	3	2			2	3		16	6	10	0.6	2.7	1.6	
5.0	Myr	4	2	2	2		3					13	5	10	0.5	2.6	1.3	
	Rup					0.5	5	5	5	4	5	24.5	6	10	0.6	4.1	2.5	
	Drft	5	5	5	5	4	4		2	2	4	36	9	10	0.9	4.0	3.6	
5.5	Myr	2	2	2		2	4			2	2	16	7	10	0.7	2.3	1.6	
	Drft	5	5	3	5	5	2	5	5	5	5	45	10	10	1	4.5	4.5	
6.0	Myr				1					1		2	2	10	0.2	1.0	0.2	
	Rup				1						1	2	2	10	0.2	1.0	0.2	
	Drft	5	5	5		4	5				4	4	32	7	10	0.7	4.6	3.2
	Bare							5	5			10	2	10	0.2	5.0	1.0	
6.5	Val			2	2	4	1	4	3	3	3	22	8	10	0.8	2.8	2.2	
	Naj									1		1	1	10	0.1	1.0	0.1	
	Myr						1			1	2	4	3	10	0.3	1.3	0.4	
	Pot							2		2	2	6	3	10	0.3	2.0	0.6	
	Zan	5	5	5	5	5	5	5	3	5	4	4	46	10	10	1	4.6	4.6
	Drft	4	5	5	5	5	5	5	5	3	5	5	47	10	10	1	4.7	4.7
7.0	Val	5	5	5	5	1	4	1	5	5	2	38	10	10	1	3.8	3.8	
	Naj	5	5	5		1		4	5	5	3	33	8	10	0.8	4.1	3.3	
	Hyd									3		3	1	10	0.1	3.0	0.3	
	Pot					1						1	1	10	0.1	1.0	0.1	
	Drft			1	1	4			3			9	4	10	0.4	2.3	0.9	
7.5	Val	2	4	3	2		3					14	5	10	0.5	2.8	1.4	
	Naj					1		2				3	2	10	0.2	1.5	0.3	
	Hyd							2				2	1	10	0.1	2.0	0.2	
	Pot	3	4	4	3	5	5	5				29	7	10	0.7	4.1	2.9	
	Drft	4	5	4	5	4			5	5	5	37	8	10	0.8	4.6	3.7	
8.0	Naj										3	3	1	10	0.1	3.0	0.3	
	Hyd	5		1								6	2	10	0.2	3.0	0.6	
	Pot		1	1	1	4	1	2	3	5	4	22	9	10	0.9	2.4	2.2	
	Drft			2								2	1	10	0.1	2.0	0.2	

Table 3. (Cont.)

Kilometer	Species	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Sum	N _O	N _T	Freq	Abud	Dens	
8.5	Val					2			1	3	5	11	4	10	0.4	2.8	1.1	
	Naj							3				3	1	10	0.1	3.0	0.3	
	Hyd			2	0.5			4	5	4		15.5	5	10	0.5	3.1	1.6	
	Pot			2	5	5	5		0.1			17.1	5	10	0.5	3.4	1.7	
	Drft		4								5	5	14	3	10	0.3	4.7	1.4
	Bare	5										5	1	10	0.1	5.0	0.5	
9.0	Val, Naj, Hyd, Myr, Pot (All species were very dense. Bottom > 80% covered in SAV)																	

SAV Species Code

<i>Hydrilla verticellata</i>	Hyd
<i>Myriophyllum spicatum</i>	Myr
<i>Najas guadalupensis</i>	Naj
<i>Potamogeton pectinatus</i>	Pot
<i>Ruppia maritima</i>	Rup
<i>Sagittaria kurziana</i>	Sag
<i>Vallisneria americana</i>	Val
<i>Zanichellia palustris</i>	Zan

Bare	Barren bottom
Drft	Drift algae
Root	Rooted algae

Table 4. In situ water quality: Dry season

Water Quality Summary								
River Kilometer	Center Depth	Sample Depth	Salinity (ppt)	Temp (°C)	pH	Sp C	DO (mg/L)	DO Calibration
0.0	3' 4"	S	7.34	25.55	7.93	12.77	6.14	98.8
		M	7.31	25.54	7.96	12.76	6.31	
		B	7.26	25.52	7.96	12.65	6.24	
0.5	6' 1"	S	7.13	25.75	7.97	12.50	6.46	94.4 -> 100.0
		M	7.48	25.66	7.95	13.03	6.24	
		B	7.55	25.66	7.94	13.18	6.27	
1.0	14' 0"	S	7.44	25.89	7.94	12.98	6.27	100.9
		M	7.49	25.80	7.94	13.02	6.09	
		B	7.48	25.79	7.95	13.02	6.06	
1.5	10' 2"	S	6.93	26.02	7.94	12.04	6.39	100.2
		M	7.06	25.89	7.94	12.26	6.39	
		B	7.00	25.89	7.94	12.21	6.28	
2.0	11' 0"	S	6.43	26.25	7.92	11.24	6.57	100.4
		M	6.84	25.44	7.93	11.96	6.35	
		B	6.93	25.87	7.93	12.12	6.29	
2.5	11' 6"	S	6.42	26.23	7.94	11.26	6.50	101.9
		M	6.55	26.11	7.93	11.41	6.36	
		B	6.66	25.99	7.93	11.53	6.33	
3.0	9' 2"	S	5.98	26.52	7.93	10.54	6.43	101.4
		M	6.19	26.28	7.92	10.88	6.36	
		B	6.20	26.01	7.91	10.91	6.20	
3.5	4' 6"	S	4.44	27.19	8.08	7.95	7.75	102.4
		M	4.91	26.97	8.02	8.79	7.22	
		B	5.44	26.44	7.95	9.66	6.72	
4.0	15' 0"	S	3.97	27.83	8.24	7.18	9.29	100
		M	5.30	26.21	7.93	9.41	6.64	
		B	5.38	26.13	7.91	9.54	6.27	
4.5	1' 4"	M	2.44	27.44	8.55	4.46	12.41	99.2
5.0	8' 7"	S	2.31	26.38	8.24	4.24	9.98	101.5
		M	2.31	25.90	8.22	4.23	10.02	
		B	2.31	25.81	8.24	4.22	10.01	
5.5	5' 2"	S	2.04	26.42	8.45	3.75	12.66	102
		M	2.09	25.82	8.31	3.83	11.53	

		B	2.09	25.60	8.29	3.85	11.39	
Table 4. (Cont.)								
River Kilometer	Center Depth	Sample Depth	Salinity (ppt)	Temp (°C)	pH	Sp C	DO (mg/L)	DO Calibration
6.0	3' 4"	S	1.70	26.67	8.80	3.16	16.47	100.2
		M	1.71	26.66	8.81	3.15	16.93	
		B	1.73	26.68	8.82	3.20	17.32	
6.5	1' 7"	M	1.65	26.98	8.87	3.06	18.60	100.5
7.0	1' 6"	M	2.11	26.64	8.71	3.89	15.38	102.8
7.5	2' 6"	M	1.81	25.63	8.42	3.35	13.01	102.3
8.0	3' 0"	M	1.23	24.82	8.24	2.15	11.55	101.2
8.5	3' 0"	M	1.15	24.15	7.84	2.08	8.37	
9.0	3' 0"	M	2.11	21.30	7.95	3.92	6.78	

Table 5. In situ water quality: Wet season.

River Kilometer	Center Depth	Sample Depth	Salinity (ppt)	Temp (°C)	pH	Sp C	DO (mg/L)	DO Calibration
0.0	3' 0"	S	14.71	28.34	7.55	24.33	3.81	95.7 -> 100.0
		B	15.56	28.64	7.63	25.60	3.80	
1.0	11' 0"	S	10.37	28.05	7.50	17.64	4.11	100.4
		M	10.38	28.05	7.50	17.62	3.97	
		B	10.38	28.05	7.50	17.66	3.78	
2.0	9' 0"	S	9.13	27.67	7.48	15.72	4.07	100.6
		M	9.20	27.69	7.46	15.73	3.81	
		B	9.24	27.69	7.45	15.83	3.71	
3.0	6' 0"	S	7.00	27.28	7.50	12.23	4.45	99.6
		B	7.01	27.29	7.49	12.21	4.27	
3.5	12' 0"	S	6.29	27.38	7.51	11.27	4.56	99.7
		B	6.66	27.27	7.49	11.67	4.14	
4.0	6' 0"	S	6.06	27.23	7.52	10.66	4.51	100.4
		B	6.07	27.21	7.49	10.69	4.20	
4.5	2' 0"	M	4.66	26.99	7.54	8.42	4.19	100
5.0	5' 0"	S	2.12	25.34	7.67	3.90	6.35	101.5
		B	2.13	25.32	7.63	3.91	6.14	
5.5	4' 2"	S	1.90	25.16	7.86	3.52	8.18	98.9
		B	2.13	25.08	7.72	3.94	7.29	
6.0	3' 4"	S	1.67	24.91	7.91	3.09	8.53	98.8
		B	1.67	24.88	7.89	3.19	7.89	
6.5	2' 2"	M	1.70	25.40	7.96	3.14	8.95	98.4
7.0	2' 0"	M	1.48	25.05	8.04	2.74	9.49	98.1
7.5	2' 0"	M	1.46	24.80	7.94	2.72	8.67	99.5
8.0	3' 0"	M	0.82	24.53	7.86	1.63	8.53	98.9

Table 6. Invertebrate Community Data. Cores. Dry Season (May 16, 2005)

Species	River Kilometer														NODC Code
	0.0	1.0	2.0	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	
Nemertean sp.	4	0	0	0	0	0	0	0	0	0	0	0	0	0	43
Oligochaeta sp.	7	3	5	3	0	19	2	10	9	9	19	37	38	0	5003
Streblospio benedicti	3	0	0	0	0	0	0	0	0	0	0	0	0	0	5001431801
Fabriciella sp.	1	3	0	0	0	0	0	0	0	0	0	0	0	0	50017019
Capitella capitata	1	0	0	0	0	0	0	0	0	0	0	0	0	0	5001600101
Leitoscoloplos robustus	2	0	0	1	0	1	0	0	0	0	0	0	0	0	5001400304
Aricidea philinae	1	0	0	0	0	0	0	0	0	0	0	0	0	0	5001410221
Athenaria sp.	7	3	0	0	2	1	0	0	0	0	0	0	0	0	3759
Laonereis culveri	0	1	1	4	0	4	0	2	2	0	4	11	5	1	5001240801
Amphicteis gunneri	0	2	0	0	0	0	0	2	0	1	0	0	0	0	5001670303
Boccardia hamata	0	0	0	2	0	0	0	0	0	0	0	0	0	0	5001430806
Eteone heteropoda	0	0	0	0	1	1	0	0	0	0	0	0	0	0	5001130207
Platyhelminthes sp.	0	0	0	0	0	0	0	3	0	0	0	0	1	0	39
Mesanthura floridensis	9	2	0	1	0	2	0	1	1	0	3	5	0	7	6160011403
Hargeria rapax	5	2	0	0	0	1	0	0	0	0	0	1	0	24	6157150212
Erichsonella filiformis	2	1	0	0	0	2	0	0	0	0	0	0	0	0	6162020602
Melita sp.	60	2	0	0	0	0	0	0	0	0	0	0	0	0	61692110
Gammarus mucronatus	12	3	0	0	0	7	6	0	0	0	2	12	10	5	6169210709
Grandidierella bonneroides	6	5	0	5	0	36	1	16	0	9	9	3	2	9	6169150901
Cymadusa compta	3	1	0	0	0	0	0	0	0	0	0	0	0	0	6169040201
Cassidinidea ovalis	6	0	0	0	0	1	0	0	0	0	0	0	0	0	6161020802
Xantiidae sp.	2	1	0	0	0	2	0	0	0	0	0	0	0	0	618902
Xenanthura brevitelson	0	2	0	0	0	1	0	0	0	0	0	0	0	0	6160010701
Ampelisca abdita	0	51	1	12	1	1	0	0	0	0	0	0	0	0	6169020108
Corophium sp.	0	0	6	0	0	90	14	9	0	5	1	0	0	0	61691502
Edotea montosa	0	0	0	0	0	18	0	0	0	0	0	0	0	0	6162020701
Almyracuma proximoculae	0	0	0	0	0	5	0	0	0	0	0	0	0	0	6154080201
Taphromysis bowmani	0	0	0	0	0	3	0	0	0	0	0	0	0	0	6153012702
Mysidopsis almyra	0	0	0	0	0	1	0	0	0	0	0	0	0	0	6153012103
Gammarus palustris	0	0	0	0	0	0	0	0	1	0	0	0	0	0	6169210708

Table 6. (Cont.)

Species	River Kilometer														NODC Code
	0.0	1.0	2.0	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	
Tellinidae sp. A	1	1	1	0	0	1	1	0	0	0	0	0	0	0	5515310099
Hydrobiidae sp.	1	0	0	0	0	429	49	0	0	0	0	0	0	0	510313
Tagelus plebeius	0	4	1	1	0	19	0	0	0	0	0	0	0	0	5515330201
Bivalvia sp.	0	1	0	0	0	0	0	0	0	0	0	0	0	0	55
Amygdalum papyrium	0	0	1	0	0	0	0	0	0	0	0	0	0	0	5507011001
Polymesoda caroliniana	0	0	0	1	0	17	2	0	0	0	2	0	0	0	5515450101
Diplodonta semiaspera	0	0	0	0	0	12	0	0	0	0	1	0	0	0	5515050103
Odostomia sp.	0	0	0	0	0	5	0	0	0	0	0	0	0	0	51080101

Benthic Community Metrics														
Number of Taxa	19	18	7	9	3	25	7	7	4	4	8	6	5	5
Number of Individuals	133	88	16	30	4	679	75	43	13	24	41	69	56	46
Individuals/m ²	32,002	21,174	3,850	7,218	962	163,378	18,046	10,346	3,128	5,775	9,865	16,603	13,474	11,068
Shannon's Index (ln)	2.12	1.82	1.60	1.80	1.04	1.49	1.10	1.59	0.94	1.19	1.58	1.32	0.98	1.27
Shannon's Index (log ₁₀)	0.92	0.79	0.69	0.78	0.45	0.65	0.48	0.69	0.41	0.52	0.69	0.57	0.42	0.55
Shannon's Index (log ₂)	3.06	2.62	2.31	2.59	1.50	2.14	1.59	2.30	1.35	1.72	2.28	1.90	1.41	1.83
Pielou's Index of Equitability	0.72	0.63	0.82	0.82	0.95	0.46	0.57	0.82	0.68	0.86	0.76	0.74	0.61	0.79
Margalef's Index	3.68	3.80	2.16	2.35	1.44	3.68	1.39	1.60	1.17	0.94	1.88	1.18	0.99	1.04
Simpson's Index	0.224	0.342	0.208	0.198	0.167	0.422	0.463	0.228	0.474	0.297	0.266	0.341	0.493	0.331
Gini's Index	0.776	0.658	0.792	0.802	0.833	0.578	0.537	0.772	0.526	0.703	0.734	0.659	0.507	0.669
1/Simpson Index	4.46	2.93	4.80	5.06	6.00	2.37	2.16	4.38	2.11	3.37	3.76	2.93	2.03	3.02

Table 7. Invertebrate Community Data. Sweeps. Dry Season (May 16, 2005). Species Presence is Denoted by the Numeral 1.

Species	River Kilometer														NODC Code
	0.0	1.0	2.0	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	
Nemertean sp.	1														43
Oligochaeta sp.					1			1		1					5003
Leitoscoloplos robustus		1													5001400304
Athenaria sp.					1										3759
Platyhelminthes sp.				1	1										39
Mesanthura floridensis	1				1										6160011403
Hargeria rapax		1	1					1		1			1	1	6157150212
Erichsonella filiformis	1	1		1	1	1									6162020602
Melita sp.	1														61692110
Gammarus mucronatus	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6169210709
Grandidierella bonneroides		1	1	1	1	1	1	1		1	1			1	6169150901
Cymadusa compta	1	1													6169040201
Cassidinidea ovalis	1	1											1		6161020802
Xantiidae sp.			1		1										618902
Ampelisca abdita		1	1	1											6169020108
Corophium sp.		1	1		1					1					61691502
Edotea montosa			1	1	1		1			1					6162020701
Almyracuma proximoculae				1				1		1					6154080201
Taphromysis bowmani				1		1	1	1		1	1		1	1	6153012702
Mysidopsis almyra			1		1	1									6153012103
Gammarus palustris												1		1	6169210708
Tellinidae sp. A		1				1									5515310099
Hydrobiidae sp.	1	1			1	1	1	1	1	1	1	1			510313
Tagelus plebeius					1	1									5515330201
Amygdalum papryrium		1													5507011001
Polymesoda caroliniana				1	1	1									5515450101
Odostomia sp.						1									51080101
Acteocina canaliculata		1													5110040103
Lucania parva		1				1	1	1	1				1		8804040301
Houstonius laguna						1									6169030405
Harrieta faxoni	1			1											6161022501

Table 7. (Cont.)

Species	River Kilometer														NODC Code
	0.0	1.0	2.0	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	
Palaemonetes sp.	1	1		1		1									61791103
Callinectes sapidus		1													6189010301
Physella sp.												1			51141303
Micromenetus floridensis												1	1		5114121203
Lagodon rhomboides												1			8835430201
Heterandria formosa													1		8804080401
Number of Species	10	16	8	11	14	13	7	7	3	9	4	6	7	5	

Table 8. Invertebrate Community Data. Cores. Wet Season (September 19, 2005)

Species	River Kilometer														NODC Code
	0.0	1.0	2.0	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	
Nemertean sp.	1	0	0	0	0	0	1	1	0	0	0	0	0	0	43
Oligochaeta sp.	0	1	3	0	1	0	0	3	11	19	74	16	163	33	5003
Fabriciola sp.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	50017019
Laeonereis culveri	0	1	8	0	0	0	0	3	3	17	109	47	6	1	5001240801
Amphicteis gunneri	0	0	0	2	0	0	0	0	2	0	0	0	0	0	5001670303
Platyhelminthes sp.	0	0	0	0	0	0	0	0	0	0	1	0	0	0	39
Insecta sp.	2	0	2	1	0	0	1	1	4	6	0	16	25	8	62
Podarke obscura	1	0	0	0	0	0	0	0	0	0	0	0	0	0	5001211502
Stenionereis martini	1	0	0	0	0	0	0	0	0	0	0	0	0	0	5001241201
Hirudinea sp.	0	0	0	0	0	0	0	0	0	0	0	1	0	0	5012
Mesanthura floridensis	0	5	0	0	0	1	0	5	4	0	0	2	49	0	6160011403
Hargeria rapax	6	1	0	0	1	0	0	0	0	0	0	0	1	0	6157150212
Erichsonella filiformis	1	0	0	0	7	0	0	0	0	0	0	0	0	0	6162020602
Gammarus mucronatus	2	3	0	1	0	0	1	0	2	0	0	0	0	0	6169210709
Grandidierella bonneroides	0	9	0	4	5	12	0	15	21	2	4	4	6	0	6169150901
Cymadusa compta	2	0	0	0	0	0	0	0	0	0	0	0	0	0	6169040201
Xanthidae sp.	2	0	0	1	0	0	0	0	0	0	0	0	0	0	618902
Xenanthura brevitelson	0	0	0	0	2	0	0	0	0	0	0	0	0	0	6160010701
Ampelisca abdita	2	0	0	3	1	1	0	0	0	0	0	0	0	0	6169020108
Corophium sp.	0	0	1	0	1	0	0	1	9	5	20	0	0	0	61691502
Edotea montosa	0	0	0	0	0	1	0	0	0	0	0	0	0	0	6162020701
Almyracuma proximoculae	0	0	0	0	0	0	0	0	0	0	1	1	1	0	6154080201
Erichthonius brasiliensis	0	0	0	10	7	2	0	20	11	0	0	0	0	0	6169150302
Bowmaniella floridana	0	0	0	1	0	0	0	1	0	0	0	0	0	0	6153012603
Tellinidae sp. B	1	0	1	0	0	0	0	0	0	0	0	0	0	0	5515310098
Hydrobiidae sp.	0	0	0	0	0	0	0	0	0	0	0	1	1	1	510313
Polymesoda caroliniana	0	0	2	7	5	19	0	3	5	3	0	6	0	0	5515450101

Table 8. (Cont.)

	Benthic Community Metrics													
Number of Taxa	12	6	6	9	9	6	3	10	10	6	6	9	8	4
Number of Individuals	22	20	17	30	30	36	3	53	72	52	209	94	252	43
Individuals/m ²	5,294	4,812	4,090	7,218	7,218	8,662	722	12,753	17,324	12,512	50,289	22,618	60,635	10,346
Shannon's Index (ln)	2.29	1.44	0.31	1.84	1.91	1.16	1.10	1.74	2.03	1.50	1.06	1.49	1.07	0.69
Shannon's Index (log ₁₀)	0.99	0.63	0.13	0.80	0.83	0.50	0.48	0.75	0.88	0.65	0.46	0.65	0.47	0.30
Shannon's Index (log ₂)	3.30	2.08	0.44	2.65	2.76	1.68	1.58	2.50	2.93	2.16	1.53	2.14	1.55	1.00
Pielou's Index of Equitability	0.92	0.80	0.17	0.84	0.87	0.65	1.00	0.75	0.88	0.84	0.59	0.68	0.52	0.50
Margalef's Index	3.56	1.67	1.76	2.35	2.35	1.40	1.82	2.27	2.10	1.27	0.94	1.76	1.27	0.80
Simpson's Index	0.087	0.258	0.022	0.175	0.145	0.378	0.000	0.228	0.150	0.253	0.404	0.307	0.465	0.616
Gini's Index	0.913	0.742	0.978	0.825	0.855	0.622	1.000	0.772	0.850	0.747	0.596	0.693	0.535	0.384
1/Simpson Index	11.55	3.88	45.33	5.72	6.90	2.65	-----	4.39	6.67	3.95	2.47	3.25	2.15	1.62

Table 9. Invertebrate Community Data. Sweeps. Wet Season (September 19, 2005). Species Presence is Denoted by the Numeral 1.

Species	River Kilometer														NODC Code
	0.0	1.0	2.0	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	
Hydrobiidae sp.	1						1		1	1	1	1	1	1	510313
Parastarte triquetra	1	1													
Polymesoda caroliniana		1	1	1	1	1	1		1	1	1	1			5515450101
Acteocina canaliculata		1													5110040103
Tellina sp.		1													55153100
Laeonereis culveri	1	1	1		1	1	1	1	1	1	1	1			5001240801
Streblospio benedicti	1	1	1			1									5001431801
Nemertean sp.	1														43
Insecta sp.	1	1	1			1	1		1	1	1	1		1	62
Osteichthyes sp.	1												1	1	8717
Actiniaria sp.			1												3758
Amphicteis gunneri							1		1	1					5001670303
Oligochaeta sp.								1	1	1	1	1			5003
Edotea montosa	1	1	1			1	1		1	1					6162020701
Grandidierella bonneroides	1	1	1	1	1	1	1	1	1	1	1	1		1	6169150901
Gammarus mucronatus	1			1	1	1	1	1	1	1	1	1	1	1	6169210709
Xanthidae sp.	1		1	1	1		1	1		1					618902
Mysidopsis almyra	1	1	1			1	1		1	1	1				6153012103
Taphomysis bowmani	1	1	1				1			1	1	1		1	6153012702
Palaemonetes pugio	1						1								
Corophium sp.		1		1	1			1	1	1	1	1			61691502
Erichthonius brasiliensis		1		1				1	1						6169150302
Bowmaniella floridana									1						6153012603
Hargeria rapax	1									1	1	1	1	1	6157150212
Almyracuma proximoculae										1	1				6154080201
Xenanthura brevitelson	1	1		1											6160010701
Halmyrapseudes bahamensis		1													6156100101
Cyclaspis varians	1	1													6154090202

Mesanthura floridensis Table 9. (Cont.)	River Kilometer														6160011403
	0.0	1.0	2.0	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	NODC Code
Ampelisca abdita				1											6169020108
Harrieta faxoni	1														6161022501
Houstonius laguna	1														6169030405
Erichsonella filiformis	1														6162020602
Platyhelminthes														1	39
Number of Species	20	17	10	9	7	8	12	7	13	15	12	10	4	8	

Sediment Analyses

Analyses requested, methodology references, holding times, and method detection limits (MDL) appear in Table 1, while project data quality objectives are summarized in Table 2. Data for all samples are detailed in Appendix A. Quality Assurance results appear in Appendix B. A separate summary of percent moisture, percent solid and percent organics is found in appendix C. Analytical data are repeated in tabular form in Appendix D. No project specific audit requirements are in place for this project as analyses are being conducted under MML's Quality Manual. Precision of data are indicated by the least significant digit.

Table 10. Analyses, methodology, holding times, method detection limits (MDL), and units of reporting for sediment samples. Practical quantitation limits (PQL) are defined as four (4) times the MDL.

Analyses	Method	Ref	Holding Time	MDL	Units
Total and Total Volatile Solids	2540G	SM-18	3 mos	0.5	%
Percent Moisture	2540G	SM-18	3 mos	0.5	%
Grain Size			12 mos		
Percent Sand		Folk 1974		0.5	%
Percent Silt		Folk 1974		0.5	%
Percent Clay		Folk 1974		0.5	%
Whole Sample Statistics					
Median		Folk 1974		0.5	µm
Mean		Folk 1974		0.5	µm
Mode		Folk 1974		0.5	µm
Standard Deviation		Folk 1974		0.01	µm
Skewness		Folk 1974		NA	--
Kurtosis		Folk 1974		NA	--
Volume Percent				0.2	%

Table 11. Data quality objectives for sediment analyses.

QC Sample	Frequency	Data Quality Objectives
Solids		
Laboratory Duplicates	1 per 20 samples	<20% RSD, or within 3 MDL
Grain Size		
Laboratory Duplicates	1 per 20 samples	<20% RSD, or within 3 MDL
Continuing Calibration Verification (CCV)	every 20 samples	90-110% recovery of certified value

There were no other instances of data qualifier codes other than "U"(less than MDL) or " PQL" (less than the practical quantitation limit, or less than 4*MDL).

Analyses and Methodology

Total Solids (Percent Solids) and Percent Moisture

Analysis of samples for total solids (percent solids) and percent moisture followed 2540G of Standard Methods, 18th Edition (APHA, *et al.*, 1992). Aliquots of homogenized sample were apportioned into preashed, tared crucibles, dried at 103-105°C to a constant weight.

Total Volatile Solids (Percent Organics)

Analysis of samples for total volatile solids (percent organics) also followed 2540G of Standard Methods, 18th Edition (APHA, 1992). Dried sediments from the total solids determinations were ashed for 1 hour at 500°C ± 50°C.

Grain Size Distributions, Raw Sample

Grain size distributions of field moist sediment were determined using a laser diffraction instrument (Coulter LS-200), capable of measurement between 0.4 and 2000 µm equivalent spherical diameters. In this instrument, the angle and intensity of laser light scattered by a solution of sediment sample are selectively measured and converted to volume distributions based on a Fraunhofer optical model. Similar to other methods of particle sizing (pipette or hydrometer analyses), the optical model is based on assumptions of partial sphericity.

During operation, filtered tap water is used for background determinations and sample resuspensions. Samples are homogenized and representative portions introduced to the sample chamber. Samples are then analyzed for 60 seconds while recirculating.

Duplicate evaluations are of a separate aliquot from a sample jar introduced into the instrument. As sample aliquots are comparatively small (1-2 g wet weight), low or non-representative concentrations of coarser fragments which are not readily homogenized will produce variations

which are more extensive than from a more uniform sediment. Continuing calibrations are performed against glass beads of known mean grain size.

Results are presented in 94 logarithmically distributed size channels as the volume percent of the entire sample within that spherical size range. Within rounding error, the sum of volume percents from all size ranges will total 100%. For purposes of clarity, the 94 channels have been combined into 26 intervals (Table 4), still totaling 100%, which represent the classical half-phi distribution (Folk, 1974), in which:

$$\phi = -1 \bullet \text{LOG}_2(\text{size,mm})$$

As the instrument is sensitive only to 2,000 μm (2.000 mm), sediments are sieved through a 2 mm mesh prior to diffraction analysis. In these samples, the particles which fail to pass a 2 mm sieve were generally large shell fragments or intact shells from small bivalves.

Total percent sand, silt and clay are calculated as the sum of volume percent between 2000 and 62.5 μm , 62.5 and 3.91 μm , and 3.91 to 0.04 μm , respectively, using the Wentworth size scales and a 8.0 ϕ value as the clay-silt boundary. Geometric distributional statistics are computed from the logarithmic center of each size grouping as sediment distributions are typically more log-normal than normal. Statistics provided include mean, median, and modal grain sizes and are in units of μm . The standard deviation is also in μm and is a measure of the spread of the sediment distribution,

Skewness, a unitless coefficient, is a measure of the distortion from a symmetrical distribution, with a skewness of zero (where mean, median, and mode coincide) being perfectly symmetrical. Samples with an excess of material in the finer sizes (left-hand skewed) will have negative skewness coefficients, while samples with an excess of coarser material (right-hand skewed) will have skewness values greater than zero.

Kurtosis is also unitless and is a measure of the peakedness of a distribution, with kurtosis values of zero representing a normal distribution (mesokurtic), values greater than zero (leptokurtic) indicating a higher sharper peak, and values less than zero (platykurtic) indicating a comparatively broad distribution.

Table 12. Listing of half-phi intervals and equivalent μm sizes.

ϕ Size	μm
11.0	0.49
10.5	0.69
10.0	0.98
9.5	1.38
9.0	1.95
8.5	2.76
8.0	3.91
7.5	5.52
7.0	7.81
6.5	11.0
6.0	15.6
5.5	22.1
5.0	31.0
4.5	44.0
4.0	62.5
3.5	88.0
3.0	125
2.5	177
2.0	250
1.5	350
1.0	500
0.5	710
0.0	1,000
-0.5	1,410
-1.0	2,000
-1.5	2,830

Literature Cited

American Public Health Association, American Water Works Association, and Water Pollution Control Federation. 1992. Standard Methods for the Examination of Water and Wastewater. 18th Edition. Washington, DC.

Folk, R.L. 1974. Petrology of Sedimentary Rocks. Hemphill Publishing Company. Austin, TX.

Appendices

Appendix A

Ancillary Measurements - Sediments

Laboratory Name: Mote Marine Laboratory
 Project Name: Chassahowitzka (MFL)
 Project Manager: J. Leverone
 File Name: CHASS_JL060224.xls

ANCILLARY MEASUREMENTS - SEDIMENT

FIELD_ID	MOTE_ID	DATE	TIME	BATCH_ID	MATRIX	ANAL_MET	UNIT	PARAMETER	ANAL_DATE	VALUE	QUALIFIER
CR 0.0	050352	5/16/2005		2005043	Sediment	SM20 2540G	% of wet weight	TOTAL SOLIDS	6/1/2005	44.9	
CR 0.0	050352	5/16/2005		2005043	Sediment	SM20 2540G	% of wet weight	PERCENT MOISTURE	6/1/2005	55.1	
CR 0.0	050352	5/16/2005		2005043	Sediment	Folk 1994	% of wet volume	PERCENT SAND	6/1/2005	64.1	
CR 0.0	050352	5/16/2005		2005043	Sediment	Folk 1994	% of wet volume	PERCENT SILT	6/1/2005	33.4	
CR 0.0	050352	5/16/2005		2005043	Sediment	Folk 1994	% of wet volume	PERCENT CLAY	6/1/2005	2.5	
CR 0.0	050352	5/16/2005		2005043	Sediment	Coulter 1994	um	MEAN	6/1/2005	146	
CR 0.0	050352	5/16/2005		2005043	Sediment	Coulter 1994	um	MEDIAN	6/1/2005	169	
CR 0.0	050352	5/16/2005		2005043	Sediment	Coulter 1994	um	MODE	6/1/2005	1440	
CR 0.0	050352	5/16/2005		2005043	Sediment	Coulter 1994	um	STDDEV	6/1/2005	6.56	
CR 0.0	050352	5/16/2005		2005043	Sediment	Coulter 1994	-	SKEWNESS	6/1/2005	-0.36	
CR 0.0	050352	5/16/2005		2005043	Sediment	Coulter 1994	-	KURTOSIS	6/1/2005	-0.94	
CR 0.0	050352	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0-0.49 um	6/1/2005	0.2	U
CR 0.0	050352	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.49-0.69 um	6/1/2005	0.2	U
CR 0.0	050352	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.69-0.98 um	6/1/2005	0.2	U
CR 0.0	050352	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.98-1.38 um	6/1/2005	0.3	PQL
CR 0.0	050352	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1.38-1.95 um	6/1/2005	0.4	PQL
CR 0.0	050352	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1.95-2.76 um	6/1/2005	0.6	PQL
CR 0.0	050352	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 2.76-3.91 um	6/1/2005	1.0	
CR 0.0	050352	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 3.91-5.52 um	6/1/2005	1.5	
CR 0.0	050352	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 5.52-7.81 um	6/1/2005	2.4	
CR 0.0	050352	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 7.81-11.0 um	6/1/2005	3.3	
CR 0.0	050352	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 11.0-15.6 um	6/1/2005	4.5	
CR 0.0	050352	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 15.6-22.1 um	6/1/2005	5.5	
CR 0.0	050352	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 22.1-31.0 um	6/1/2005	5.6	
CR 0.0	050352	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 31.0-44.0 um	6/1/2005	5.4	
CR 0.0	050352	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 44.0-62.5 um	6/1/2005	5.3	
CR 0.0	050352	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 62.5-88.0 um	6/1/2005	4.9	
CR 0.0	050352	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 88.0-125 um	6/1/2005	4.8	
CR 0.0	050352	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 125-177 um	6/1/2005	5.1	
CR 0.0	050352	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 177-250 um	6/1/2005	4.1	
CR 0.0	050352	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 250-350 um	6/1/2005	4.1	
CR 0.0	050352	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 350-500 um	6/1/2005	5.3	
CR 0.0	050352	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 500-710 um	6/1/2005	6.2	

FIELD_ID	MOTE_ID	DATE	TIME	BATCH_ID	MATRIX	ANAL_MET	UNIT	PARAMETER	ANAL_DATE	VALUE	QUALIFIER
CR 0.0	050352	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 710-1000 um	6/1/2005	8.6	
CR 0.0	050352	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1000-1410 um	6/1/2005	10.4	
CR 0.0	050352	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1410-2000 um	6/1/2005	10.7	
CR 0.0	050352	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 2000-2830 um	6/1/2005	0.2	U
CR 0.0	050352	5/16/2005		2005043	Sediment	SM18 2540G	% of dry weight	TOTAL VOLATILE SOLIDS	6/1/2005	3.4	
CR 1.0	050501	5/16/2005		2005043	Sediment	SM20 2540G	% of wet weight	TOTAL SOLIDS	6/1/2005	20.9	
CR 1.0	050501	5/16/2005		2005043	Sediment	SM20 2540G	% of wet weight	PERCENT MOISTURE	6/1/2005	79.1	
CR 1.0	050501	5/16/2005		2005043	Sediment	Folk 1994	% of wet volume	PERCENT SAND	6/1/2005	75.3	
CR 1.0	050501	5/16/2005		2005043	Sediment	Folk 1994	% of wet volume	PERCENT SILT	6/1/2005	23.4	
CR 1.0	050501	5/16/2005		2005043	Sediment	Folk 1994	% of wet volume	PERCENT CLAY	6/1/2005	1.3	PQL
CR 1.0	050501	5/16/2005		2005043	Sediment	Coulter 1994	um	MEAN	6/1/2005	146	
CR 1.0	050501	5/16/2005		2005043	Sediment	Coulter 1994	um	MEDIAN	6/1/2005	157	
CR 1.0	050501	5/16/2005		2005043	Sediment	Coulter 1994	um	MODE	6/1/2005	140	
CR 1.0	050501	5/16/2005		2005043	Sediment	Coulter 1994	um	STDDEV	6/1/2005	4.34	
CR 1.0	050501	5/16/2005		2005043	Sediment	Coulter 1994	-	SKEWNESS	6/1/2005	-0.49	
CR 1.0	050501	5/16/2005		2005043	Sediment	Coulter 1994	-	KURTOSIS	6/1/2005	-0.03	
CR 1.0	050501	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0-0.49 um	6/1/2005	0.2	U
CR 1.0	050501	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.49-0.69 um	6/1/2005	0.2	U
CR 1.0	050501	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.69-0.98 um	6/1/2005	0.2	U
CR 1.0	050501	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.98-1.38 um	6/1/2005	0.2	U
CR 1.0	050501	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1.38-1.95 um	6/1/2005	0.2	U
CR 1.0	050501	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1.95-2.76 um	6/1/2005	0.3	PQL
CR 1.0	050501	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 2.76-3.91 um	6/1/2005	0.6	PQL
CR 1.0	050501	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 3.91-5.52 um	6/1/2005	0.9	
CR 1.0	050501	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 5.52-7.81 um	6/1/2005	1.4	
CR 1.0	050501	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 7.81-11.0 um	6/1/2005	2.0	
CR 1.0	050501	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 11.0-15.6 um	6/1/2005	2.8	
CR 1.0	050501	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 15.6-22.1 um	6/1/2005	3.5	
CR 1.0	050501	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 22.1-31.0 um	6/1/2005	3.7	
CR 1.0	050501	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 31.0-44.0 um	6/1/2005	4.1	
CR 1.0	050501	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 44.0-62.5 um	6/1/2005	5.0	
CR 1.0	050501	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 62.5-88.0 um	6/1/2005	6.5	
CR 1.0	050501	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 88.0-125 um	6/1/2005	10.3	
CR 1.0	050501	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 125-177 um	6/1/2005	12.9	
CR 1.0	050501	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 177-250 um	6/1/2005	9.5	
CR 1.0	050501	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 250-350 um	6/1/2005	7.0	
CR 1.0	050501	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 350-500 um	6/1/2005	6.9	
CR 1.0	050501	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 500-710 um	6/1/2005	6.0	
CR 1.0	050501	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 710-1000 um	6/1/2005	6.2	
CR 1.0	050501	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1000-1410 um	6/1/2005	5.8	
CR 1.0	050501	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1410-2000 um	6/1/2005	4.1	
CR 1.0	050501	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 2000-2830 um	6/1/2005	0.2	U

FIELD_ID	MOTE_ID	DATE	TIME	BATCH_ID	MATRIX	ANAL_MET	UNIT	PARAMETER	ANAL_DATE	VALUE	QUALIFIER
CR 1.0	050501	5/16/2005		2005043	Sediment	SM18 2540G	% of dry weight	TOTAL VOLATILE SOLIDS	6/1/2005	15.5	
CR 2.0	050502	5/16/2005		2005043	Sediment	SM20 2540G	% of wet weight	TOTAL SOLIDS	6/1/2005	39.2	
CR 2.0	050502	5/16/2005		2005043	Sediment	SM20 2540G	% of wet weight	PERCENT MOISTURE	6/1/2005	60.8	
CR 2.0	050502	5/16/2005		2005043	Sediment	Folk 1994	% of wet volume	PERCENT SAND	6/1/2005	81.6	
CR 2.0	050502	5/16/2005		2005043	Sediment	Folk 1994	% of wet volume	PERCENT SILT	6/1/2005	17.1	
CR 2.0	050502	5/16/2005		2005043	Sediment	Folk 1994	% of wet volume	PERCENT CLAY	6/1/2005	1.3	PQL
CR 2.0	050502	5/16/2005		2005043	Sediment	Coulter 1994	um	MEAN	6/1/2005	143	
CR 2.0	050502	5/16/2005		2005043	Sediment	Coulter 1994	um	MEDIAN	6/1/2005	160	
CR 2.0	050502	5/16/2005		2005043	Sediment	Coulter 1994	um	MODE	6/1/2005	154	
CR 2.0	050502	5/16/2005		2005043	Sediment	Coulter 1994	um	STDDEV	6/1/2005	3.60	
CR 2.0	050502	5/16/2005		2005043	Sediment	Coulter 1994	-	SKEWNESS	6/1/2005	-0.75	
CR 2.0	050502	5/16/2005		2005043	Sediment	Coulter 1994	-	KURTOSIS	6/1/2005	1.23	
CR 2.0	050502	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0-0.49 um	6/1/2005	0.2	U
CR 2.0	050502	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.49-0.69 um	6/1/2005	0.2	U
CR 2.0	050502	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.69-0.98 um	6/1/2005	0.2	U
CR 2.0	050502	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.98-1.38 um	6/1/2005	0.2	U
CR 2.0	050502	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1.38-1.95 um	6/1/2005	0.2	U
CR 2.0	050502	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1.95-2.76 um	6/1/2005	0.3	PQL
CR 2.0	050502	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 2.76-3.91 um	6/1/2005	0.5	PQL
CR 2.0	050502	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 3.91-5.52 um	6/1/2005	0.8	
CR 2.0	050502	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 5.52-7.81 um	6/1/2005	1.2	
CR 2.0	050502	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 7.81-11.0 um	6/1/2005	1.6	
CR 2.0	050502	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 11.0-15.6 um	6/1/2005	2.2	
CR 2.0	050502	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 15.6-22.1 um	6/1/2005	2.6	
CR 2.0	050502	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 22.1-31.0 um	6/1/2005	2.6	
CR 2.0	050502	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 31.0-44.0 um	6/1/2005	2.8	
CR 2.0	050502	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 44.0-62.5 um	6/1/2005	3.3	
CR 2.0	050502	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 62.5-88.0 um	6/1/2005	4.6	
CR 2.0	050502	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 88.0-125 um	6/1/2005	12.1	
CR 2.0	050502	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 125-177 um	6/1/2005	21.7	
CR 2.0	050502	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 177-250 um	6/1/2005	16.5	
CR 2.0	050502	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 250-350 um	6/1/2005	7.2	
CR 2.0	050502	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 350-500 um	6/1/2005	5.0	
CR 2.0	050502	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 500-710 um	6/1/2005	4.3	
CR 2.0	050502	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 710-1000 um	6/1/2005	3.9	
CR 2.0	050502	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1000-1410 um	6/1/2005	3.6	
CR 2.0	050502	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1410-2000 um	6/1/2005	2.8	
CR 2.0	050502	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 2000-2830 um	6/1/2005	0.2	U
CR 2.0	050502	5/16/2005		2005043	Sediment	SM18 2540G	% of dry weight	TOTAL VOLATILE SOLIDS	6/1/2005	4.2	
CR 3.0	050503	5/16/2005		2005043	Sediment	SM20 2540G	% of wet weight	TOTAL SOLIDS	6/1/2005	14.3	
CR 3.0	050503	5/16/2005		2005043	Sediment	SM20 2540G	% of wet weight	PERCENT MOISTURE	6/1/2005	85.7	
CR 3.0	050503	5/16/2005		2005043	Sediment	Folk 1994	% of wet volume	PERCENT SAND	6/1/2005	82.5	

FIELD_ID	MOTE_ID	DATE	TIME	BATCH_ID	MATRIX	ANAL_MET	UNIT	PARAMETER	ANAL_DATE	VALUE	QUALIFIER
CR 3.0	050503	5/16/2005		2005043	Sediment	Folk 1994	% of wet volume	PERCENT SILT	6/1/2005	16.8	
CR 3.0	050503	5/16/2005		2005043	Sediment	Folk 1994	% of wet volume	PERCENT CLAY	6/1/2005	0.7	PQL
CR 3.0	050503	5/16/2005		2005043	Sediment	Coulter 1994	um	MEAN	6/1/2005	237	
CR 3.0	050503	5/16/2005		2005043	Sediment	Coulter 1994	um	MEDIAN	6/1/2005	299	
CR 3.0	050503	5/16/2005		2005043	Sediment	Coulter 1994	um	MODE	6/1/2005	825	
CR 3.0	050503	5/16/2005		2005043	Sediment	Coulter 1994	um	STDDEV	6/1/2005	4.12	
CR 3.0	050503	5/16/2005		2005043	Sediment	Coulter 1994	-	SKEWNESS	6/1/2005	-0.74	
CR 3.0	050503	5/16/2005		2005043	Sediment	Coulter 1994	-	KURTOSIS	6/1/2005	0.06	
CR 3.0	050503	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0-0.49 um	6/1/2005	0.2	U
CR 3.0	050503	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.49-0.69 um	6/1/2005	0.2	U
CR 3.0	050503	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.69-0.98 um	6/1/2005	0.2	U
CR 3.0	050503	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.98-1.38 um	6/1/2005	0.2	U
CR 3.0	050503	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1.38-1.95 um	6/1/2005	0.2	U
CR 3.0	050503	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1.95-2.76 um	6/1/2005	0.2	U
CR 3.0	050503	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 2.76-3.91 um	6/1/2005	0.3	PQL
CR 3.0	050503	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 3.91-5.52 um	6/1/2005	0.5	PQL
CR 3.0	050503	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 5.52-7.81 um	6/1/2005	0.8	
CR 3.0	050503	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 7.81-11.0 um	6/1/2005	1.2	
CR 3.0	050503	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 11.0-15.6 um	6/1/2005	1.7	
CR 3.0	050503	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 15.6-22.1 um	6/1/2005	2.3	
CR 3.0	050503	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 22.1-31.0 um	6/1/2005	2.7	
CR 3.0	050503	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 31.0-44.0 um	6/1/2005	3.3	
CR 3.0	050503	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 44.0-62.5 um	6/1/2005	4.3	
CR 3.0	050503	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 62.5-88.0 um	6/1/2005	5.4	
CR 3.0	050503	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 88.0-125 um	6/1/2005	7.2	
CR 3.0	050503	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 125-177 um	6/1/2005	8.6	
CR 3.0	050503	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 177-250 um	6/1/2005	7.6	
CR 3.0	050503	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 250-350 um	6/1/2005	7.4	
CR 3.0	050503	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 350-500 um	6/1/2005	9.4	
CR 3.0	050503	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 500-710 um	6/1/2005	10.5	
CR 3.0	050503	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 710-1000 um	6/1/2005	10.8	
CR 3.0	050503	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1000-1410 um	6/1/2005	9.3	
CR 3.0	050503	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1410-2000 um	6/1/2005	6.4	
CR 3.0	050503	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 2000-2830 um	6/1/2005	0.2	U
CR 3.0	050503	5/16/2005		2005043	Sediment	SM18 2540G	% of dry weight	TOTAL VOLATILE SOLIDS	6/1/2005	28.3	
CR 3.5	050504	5/16/2005		2005043	Sediment	SM20 2540G	% of wet weight	TOTAL SOLIDS	6/1/2005	25.8	
CR 3.5	050504	5/16/2005		2005043	Sediment	SM20 2540G	% of wet weight	PERCENT MOISTURE	6/1/2005	74.2	
CR 3.5	050504	5/16/2005		2005043	Sediment	Folk 1994	% of wet volume	PERCENT SAND	6/1/2005	64.0	
CR 3.5	050504	5/16/2005		2005043	Sediment	Folk 1994	% of wet volume	PERCENT SILT	6/1/2005	33.5	
CR 3.5	050504	5/16/2005		2005043	Sediment	Folk 1994	% of wet volume	PERCENT CLAY	6/1/2005	2.6	
CR 3.5	050504	5/16/2005		2005043	Sediment	Coulter 1994	um	MEAN	6/1/2005	102	
CR 3.5	050504	5/16/2005		2005043	Sediment	Coulter 1994	um	MEDIAN	6/1/2005	118	

FIELD_ID	MOTE_ID	DATE	TIME	BATCH_ID	MATRIX	ANAL_MET	UNIT	PARAMETER	ANAL_DATE	VALUE	QUALIFIER
CR 3.5	050504	5/16/2005		2005043	Sediment	Coulter 1994	um	MODE	6/1/2005	140	
CR 3.5	050504	5/16/2005		2005043	Sediment	Coulter 1994	um	STDDEV	6/1/2005	5.09	
CR 3.5	050504	5/16/2005		2005043	Sediment	Coulter 1994	-	SKEWNESS	6/1/2005	-0.33	
CR 3.5	050504	5/16/2005		2005043	Sediment	Coulter 1994	-	KURTOSIS	6/1/2005	-0.42	
CR 3.5	050504	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0-0.49 um	6/1/2005	0.2	U
CR 3.5	050504	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.49-0.69 um	6/1/2005	0.2	U
CR 3.5	050504	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.69-0.98 um	6/1/2005	0.2	PQL
CR 3.5	050504	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.98-1.38 um	6/1/2005	0.3	PQL
CR 3.5	050504	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1.38-1.95 um	6/1/2005	0.4	PQL
CR 3.5	050504	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1.95-2.76 um	6/1/2005	0.6	PQL
CR 3.5	050504	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 2.76-3.91 um	6/1/2005	1.0	
CR 3.5	050504	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 3.91-5.52 um	6/1/2005	1.6	
CR 3.5	050504	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 5.52-7.81 um	6/1/2005	2.5	
CR 3.5	050504	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 7.81-11.0 um	6/1/2005	3.4	
CR 3.5	050504	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 11.0-15.6 um	6/1/2005	4.5	
CR 3.5	050504	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 15.6-22.1 um	6/1/2005	5.2	
CR 3.5	050504	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 22.1-31.0 um	6/1/2005	5.2	
CR 3.5	050504	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 31.0-44.0 um	6/1/2005	5.3	
CR 3.5	050504	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 44.0-62.5 um	6/1/2005	5.9	
CR 3.5	050504	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 62.5-88.0 um	6/1/2005	6.7	
CR 3.5	050504	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 88.0-125 um	6/1/2005	8.8	
CR 3.5	050504	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 125-177 um	6/1/2005	9.9	
CR 3.5	050504	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 177-250 um	6/1/2005	7.5	
CR 3.5	050504	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 250-350 um	6/1/2005	6.3	
CR 3.5	050504	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 350-500 um	6/1/2005	6.2	
CR 3.5	050504	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 500-710 um	6/1/2005	5.2	
CR 3.5	050504	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 710-1000 um	6/1/2005	5.3	
CR 3.5	050504	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1000-1410 um	6/1/2005	4.7	
CR 3.5	050504	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1410-2000 um	6/1/2005	3.4	
CR 3.5	050504	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 2000-2830 um	6/1/2005	0.2	U
CR 3.5	050504	5/16/2005		2005043	Sediment	SM18 2540G	% of dry weight	TOTAL VOLATILE SOLIDS	6/1/2005	18.1	
CR 4.0	050505	5/16/2005		2005043	Sediment	SM20 2540G	% of wet weight	TOTAL SOLIDS	6/1/2005	63.0	
CR 4.0	050505	5/16/2005		2005043	Sediment	SM20 2540G	% of wet weight	PERCENT MOISTURE	6/1/2005	37.0	
CR 4.0	050505	5/16/2005		2005043	Sediment	Folk 1994	% of wet volume	PERCENT SAND	6/1/2005	88.2	
CR 4.0	050505	5/16/2005		2005043	Sediment	Folk 1994	% of wet volume	PERCENT SILT	6/1/2005	10.8	
CR 4.0	050505	5/16/2005		2005043	Sediment	Folk 1994	% of wet volume	PERCENT CLAY	6/1/2005	1.0	PQL
CR 4.0	050505	5/16/2005		2005043	Sediment	Coulter 1994	um	MEAN	6/1/2005	176	
CR 4.0	050505	5/16/2005		2005043	Sediment	Coulter 1994	um	MEDIAN	6/1/2005	177	
CR 4.0	050505	5/16/2005		2005043	Sediment	Coulter 1994	um	MODE	6/1/2005	154	
CR 4.0	050505	5/16/2005		2005043	Sediment	Coulter 1994	um	STDDEV	6/1/2005	3.20	
CR 4.0	050505	5/16/2005		2005043	Sediment	Coulter 1994	-	SKEWNESS	6/1/2005	-0.95	
CR 4.0	050505	5/16/2005		2005043	Sediment	Coulter 1994	-	KURTOSIS	6/1/2005	2.38	

FIELD_ID	MOTE_ID	DATE	TIME	BATCH_ID	MATRIX	ANAL_MET	UNIT	PARAMETER	ANAL_DATE	VALUE	QUALIFIER
CR 4.0	050505	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0-0.49 um	6/1/2005	0.2	U
CR 4.0	050505	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.49-0.69 um	6/1/2005	0.2	U
CR 4.0	050505	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.69-0.98 um	6/1/2005	0.2	U
CR 4.0	050505	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.98-1.38 um	6/1/2005	0.2	U
CR 4.0	050505	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1.38-1.95 um	6/1/2005	0.2	U
CR 4.0	050505	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1.95-2.76 um	6/1/2005	0.2	PQL
CR 4.0	050505	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 2.76-3.91 um	6/1/2005	0.4	PQL
CR 4.0	050505	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 3.91-5.52 um	6/1/2005	0.5	PQL
CR 4.0	050505	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 5.52-7.81 um	6/1/2005	0.8	
CR 4.0	050505	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 7.81-11.0 um	6/1/2005	1.1	
CR 4.0	050505	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 11.0-15.6 um	6/1/2005	1.4	
CR 4.0	050505	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 15.6-22.1 um	6/1/2005	1.7	
CR 4.0	050505	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 22.1-31.0 um	6/1/2005	1.8	
CR 4.0	050505	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 31.0-44.0 um	6/1/2005	1.8	
CR 4.0	050505	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 44.0-62.5 um	6/1/2005	1.7	
CR 4.0	050505	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 62.5-88.0 um	6/1/2005	2.8	
CR 4.0	050505	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 88.0-125 um	6/1/2005	12.1	
CR 4.0	050505	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 125-177 um	6/1/2005	23.4	
CR 4.0	050505	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 177-250 um	6/1/2005	18.5	
CR 4.0	050505	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 250-350 um	6/1/2005	8.7	
CR 4.0	050505	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 350-500 um	6/1/2005	6.3	
CR 4.0	050505	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 500-710 um	6/1/2005	5.6	
CR 4.0	050505	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 710-1000 um	6/1/2005	4.7	
CR 4.0	050505	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1000-1410 um	6/1/2005	3.7	
CR 4.0	050505	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1410-2000 um	6/1/2005	2.6	
CR 4.0	050505	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 2000-2830 um	6/1/2005	0.2	U
CR 4.0	050505	5/16/2005		2005043	Sediment	SM18 2540G	% of dry weight	TOTAL VOLATILE SOLIDS	6/1/2005	1.5	PQL
CR 4.5	050506	5/16/2005		2005043	Sediment	SM20 2540G	% of wet weight	TOTAL SOLIDS	6/1/2005	13.1	
CR 4.5	050506	5/16/2005		2005043	Sediment	SM20 2540G	% of wet weight	PERCENT MOISTURE	6/1/2005	86.9	
CR 4.5	050506	5/16/2005		2005043	Sediment	Folk 1994	% of wet volume	PERCENT SAND	6/1/2005	43.4	
CR 4.5	050506	5/16/2005		2005043	Sediment	Folk 1994	% of wet volume	PERCENT SILT	6/1/2005	53.7	
CR 4.5	050506	5/16/2005		2005043	Sediment	Folk 1994	% of wet volume	PERCENT CLAY	6/1/2005	2.9	
CR 4.5	050506	5/16/2005		2005043	Sediment	Coulter 1994	um	MEAN	6/1/2005	48.5	
CR 4.5	050506	5/16/2005		2005043	Sediment	Coulter 1994	um	MEDIAN	6/1/2005	49.5	
CR 4.5	050506	5/16/2005		2005043	Sediment	Coulter 1994	um	MODE	6/1/2005	73.0	
CR 4.5	050506	5/16/2005		2005043	Sediment	Coulter 1994	um	STDDEV	6/1/2005	3.77	
CR 4.5	050506	5/16/2005		2005043	Sediment	Coulter 1994	-	SKEWNESS	6/1/2005	-0.10	
CR 4.5	050506	5/16/2005		2005043	Sediment	Coulter 1994	-	KURTOSIS	6/1/2005	0.14	
CR 4.5	050506	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0-0.49 um	6/1/2005	0.2	U
CR 4.5	050506	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.49-0.69 um	6/1/2005	0.2	U
CR 4.5	050506	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.69-0.98 um	6/1/2005	0.3	PQL
CR 4.5	050506	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.98-1.38 um	6/1/2005	0.3	PQL

FIELD_ID	MOTE_ID	DATE	TIME	BATCH_ID	MATRIX	ANAL_MET	UNIT	PARAMETER	ANAL_DATE	VALUE	QUALIFIER
CR 4.5	050506	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1.38-1.95 um	6/1/2005	0.4	PQL
CR 4.5	050506	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1.95-2.76 um	6/1/2005	0.6	PQL
CR 4.5	050506	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 2.76-3.91 um	6/1/2005	1.1	
CR 4.5	050506	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 3.91-5.52 um	6/1/2005	1.9	
CR 4.5	050506	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 5.52-7.81 um	6/1/2005	3.1	
CR 4.5	050506	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 7.81-11.0 um	6/1/2005	4.6	
CR 4.5	050506	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 11.0-15.6 um	6/1/2005	6.6	
CR 4.5	050506	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 15.6-22.1 um	6/1/2005	8.6	
CR 4.5	050506	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 22.1-31.0 um	6/1/2005	9.4	
CR 4.5	050506	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 31.0-44.0 um	6/1/2005	9.7	
CR 4.5	050506	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 44.0-62.5 um	6/1/2005	9.9	
CR 4.5	050506	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 62.5-88.0 um	6/1/2005	9.9	
CR 4.5	050506	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 88.0-125 um	6/1/2005	10.1	
CR 4.5	050506	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 125-177 um	6/1/2005	8.6	
CR 4.5	050506	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 177-250 um	6/1/2005	4.7	
CR 4.5	050506	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 250-350 um	6/1/2005	3.2	
CR 4.5	050506	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 350-500 um	6/1/2005	2.7	
CR 4.5	050506	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 500-710 um	6/1/2005	1.5	
CR 4.5	050506	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 710-1000 um	6/1/2005	1.5	
CR 4.5	050506	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1000-1410 um	6/1/2005	1.2	
CR 4.5	050506	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1410-2000 um	6/1/2005	0.2	U
CR 4.5	050506	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 2000-2830 um	6/1/2005	0.2	U
CR 4.5	050506	5/16/2005		2005043	Sediment	SM18 2540G	% of dry weight	TOTAL VOLATILE SOLIDS	6/1/2005	30.4	
CR 5.0	050507	5/16/2005		2005043	Sediment	SM20 2540G	% of wet weight	TOTAL SOLIDS	6/1/2005	39.5	
CR 5.0	050507	5/16/2005		2005043	Sediment	SM20 2540G	% of wet weight	PERCENT MOISTURE	6/1/2005	60.5	
CR 5.0	050507	5/16/2005		2005043	Sediment	Folk 1994	% of wet volume	PERCENT SAND	6/1/2005	81.1	
CR 5.0	050507	5/16/2005		2005043	Sediment	Folk 1994	% of wet volume	PERCENT SILT	6/1/2005	17.8	
CR 5.0	050507	5/16/2005		2005043	Sediment	Folk 1994	% of wet volume	PERCENT CLAY	6/1/2005	1.0	PQL
CR 5.0	050507	5/16/2005		2005043	Sediment	Coulter 1994	um	MEAN	6/1/2005	169	
CR 5.0	050507	5/16/2005		2005043	Sediment	Coulter 1994	um	MEDIAN	6/1/2005	188	
CR 5.0	050507	5/16/2005		2005043	Sediment	Coulter 1994	um	MODE	6/1/2005	154	
CR 5.0	050507	5/16/2005		2005043	Sediment	Coulter 1994	um	STDDEV	6/1/2005	3.75	
CR 5.0	050507	5/16/2005		2005043	Sediment	Coulter 1994	-	SKEWNESS	6/1/2005	-0.77	
CR 5.0	050507	5/16/2005		2005043	Sediment	Coulter 1994	-	KURTOSIS	6/1/2005	0.77	
CR 5.0	050507	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0-0.49 um	6/1/2005	0.2	U
CR 5.0	050507	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.49-0.69 um	6/1/2005	0.2	U
CR 5.0	050507	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.69-0.98 um	6/1/2005	0.2	U
CR 5.0	050507	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.98-1.38 um	6/1/2005	0.2	U
CR 5.0	050507	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1.38-1.95 um	6/1/2005	0.2	U
CR 5.0	050507	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1.95-2.76 um	6/1/2005	0.3	PQL
CR 5.0	050507	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 2.76-3.91 um	6/1/2005	0.4	PQL
CR 5.0	050507	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 3.91-5.52 um	6/1/2005	0.6	PQL

FIELD_ID	MOTE_ID	DATE	TIME	BATCH_ID	MATRIX	ANAL_MET	UNIT	PARAMETER	ANAL_DATE	VALUE	QUALIFIER
CR 5.0	050507	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 5.52-7.81 um	6/1/2005	1.0	
CR 5.0	050507	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 7.81-11.0 um	6/1/2005	1.4	
CR 5.0	050507	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 11.0-15.6 um	6/1/2005	2.1	
CR 5.0	050507	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 15.6-22.1 um	6/1/2005	2.7	
CR 5.0	050507	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 22.1-31.0 um	6/1/2005	3.0	
CR 5.0	050507	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 31.0-44.0 um	6/1/2005	3.3	
CR 5.0	050507	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 44.0-62.5 um	6/1/2005	3.7	
CR 5.0	050507	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 62.5-88.0 um	6/1/2005	4.5	
CR 5.0	050507	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 88.0-125 um	6/1/2005	9.3	
CR 5.0	050507	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 125-177 um	6/1/2005	15.0	
CR 5.0	050507	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 177-250 um	6/1/2005	12.8	
CR 5.0	050507	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 250-350 um	6/1/2005	9.7	
CR 5.0	050507	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 350-500 um	6/1/2005	9.6	
CR 5.0	050507	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 500-710 um	6/1/2005	7.5	
CR 5.0	050507	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 710-1000 um	6/1/2005	5.6	
CR 5.0	050507	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1000-1410 um	6/1/2005	4.3	
CR 5.0	050507	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1410-2000 um	6/1/2005	2.9	
CR 5.0	050507	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 2000-2830 um	6/1/2005	0.2	U
CR 5.0	050507	5/16/2005		2005043	Sediment	SM18 2540G	% of dry weight	TOTAL VOLATILE SOLIDS	6/1/2005	8.9	
CR 5.5	050508	5/16/2005		2005043	Sediment	SM20 2540G	% of wet weight	TOTAL SOLIDS	6/1/2005	45.9	
CR 5.5	050508	5/16/2005		2005043	Sediment	SM20 2540G	% of wet weight	PERCENT MOISTURE	6/1/2005	54.1	
CR 5.5	050508	5/16/2005		2005043	Sediment	Folk 1994	% of wet volume	PERCENT SAND	6/1/2005	78.5	
CR 5.5	050508	5/16/2005		2005043	Sediment	Folk 1994	% of wet volume	PERCENT SILT	6/1/2005	20.5	
CR 5.5	050508	5/16/2005		2005043	Sediment	Folk 1994	% of wet volume	PERCENT CLAY	6/1/2005	1.1	PQL
CR 5.5	050508	5/16/2005		2005043	Sediment	Coulter 1994	um	MEAN	6/1/2005	133	
CR 5.5	050508	5/16/2005		2005043	Sediment	Coulter 1994	um	MEDIAN	6/1/2005	153	
CR 5.5	050508	5/16/2005		2005043	Sediment	Coulter 1994	um	MODE	6/1/2005	154	
CR 5.5	050508	5/16/2005		2005043	Sediment	Coulter 1994	um	STDDEV	6/1/2005	3.40	
CR 5.5	050508	5/16/2005		2005043	Sediment	Coulter 1994	-	SKEWNESS	6/1/2005	-0.77	
CR 5.5	050508	5/16/2005		2005043	Sediment	Coulter 1994	-	KURTOSIS	6/1/2005	1.15	
CR 5.5	050508	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0-0.49 um	6/1/2005	0.2	U
CR 5.5	050508	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.49-0.69 um	6/1/2005	0.2	U
CR 5.5	050508	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.69-0.98 um	6/1/2005	0.2	U
CR 5.5	050508	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.98-1.38 um	6/1/2005	0.2	U
CR 5.5	050508	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1.38-1.95 um	6/1/2005	0.2	U
CR 5.5	050508	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1.95-2.76 um	6/1/2005	0.3	PQL
CR 5.5	050508	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 2.76-3.91 um	6/1/2005	0.4	PQL
CR 5.5	050508	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 3.91-5.52 um	6/1/2005	0.6	PQL
CR 5.5	050508	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 5.52-7.81 um	6/1/2005	1.0	
CR 5.5	050508	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 7.81-11.0 um	6/1/2005	1.4	
CR 5.5	050508	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 11.0-15.6 um	6/1/2005	2.1	
CR 5.5	050508	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 15.6-22.1 um	6/1/2005	2.9	

FIELD_ID	MOTE_ID	DATE	TIME	BATCH_ID	MATRIX	ANAL_MET	UNIT	PARAMETER	ANAL_DATE	VALUE	QUALIFIER
CR 5.5	050508	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 22.1-31.0 um	6/1/2005	3.5	
CR 5.5	050508	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 31.0-44.0 um	6/1/2005	4.1	
CR 5.5	050508	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 44.0-62.5 um	6/1/2005	4.9	
CR 5.5	050508	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 62.5-88.0 um	6/1/2005	6.0	
CR 5.5	050508	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 88.0-125 um	6/1/2005	12.0	
CR 5.5	050508	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 125-177 um	6/1/2005	18.4	
CR 5.5	050508	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 177-250 um	6/1/2005	14.0	
CR 5.5	050508	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 250-350 um	6/1/2005	8.5	
CR 5.5	050508	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 350-500 um	6/1/2005	7.7	
CR 5.5	050508	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 500-710 um	6/1/2005	5.3	
CR 5.5	050508	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 710-1000 um	6/1/2005	3.2	
CR 5.5	050508	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1000-1410 um	6/1/2005	2.2	
CR 5.5	050508	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1410-2000 um	6/1/2005	1.2	
CR 5.5	050508	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 2000-2830 um	6/1/2005	0.2	U
CR 5.5	050508	5/16/2005		2005043	Sediment	SM18 2540G	% of dry weight	TOTAL VOLATILE SOLIDS	6/1/2005	4.8	
CR 6.0	050509	5/16/2005		2005043	Sediment	SM20 2540G	% of wet weight	TOTAL SOLIDS	6/1/2005	61.1	
CR 6.0	050509	5/16/2005		2005043	Sediment	SM20 2540G	% of wet weight	PERCENT MOISTURE	6/1/2005	38.9	
CR 6.0	050509	5/16/2005		2005043	Sediment	Folk 1994	% of wet volume	PERCENT SAND	6/1/2005	67.6	
CR 6.0	050509	5/16/2005		2005043	Sediment	Folk 1994	% of wet volume	PERCENT SILT	6/1/2005	30.3	
CR 6.0	050509	5/16/2005		2005043	Sediment	Folk 1994	% of wet volume	PERCENT CLAY	6/1/2005	2.1	
CR 6.0	050509	5/16/2005		2005043	Sediment	Coulter 1994	um	MEAN	6/1/2005	87.0	
CR 6.0	050509	5/16/2005		2005043	Sediment	Coulter 1994	um	MEDIAN	6/1/2005	126	
CR 6.0	050509	5/16/2005		2005043	Sediment	Coulter 1994	um	MODE	6/1/2005	154	
CR 6.0	050509	5/16/2005		2005043	Sediment	Coulter 1994	um	STDDEV	6/1/2005	3.72	
CR 6.0	050509	5/16/2005		2005043	Sediment	Coulter 1994	-	SKEWNESS	6/1/2005	-0.84	
CR 6.0	050509	5/16/2005		2005043	Sediment	Coulter 1994	-	KURTOSIS	6/1/2005	0.52	
CR 6.0	050509	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0-0.49 um	6/1/2005	0.2	U
CR 6.0	050509	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.49-0.69 um	6/1/2005	0.2	U
CR 6.0	050509	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.69-0.98 um	6/1/2005	0.2	PQL
CR 6.0	050509	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.98-1.38 um	6/1/2005	0.3	PQL
CR 6.0	050509	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1.38-1.95 um	6/1/2005	0.3	PQL
CR 6.0	050509	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1.95-2.76 um	6/1/2005	0.4	PQL
CR 6.0	050509	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 2.76-3.91 um	6/1/2005	0.7	PQL
CR 6.0	050509	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 3.91-5.52 um	6/1/2005	1.2	
CR 6.0	050509	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 5.52-7.81 um	6/1/2005	1.9	
CR 6.0	050509	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 7.81-11.0 um	6/1/2005	2.9	
CR 6.0	050509	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 11.0-15.6 um	6/1/2005	4.1	
CR 6.0	050509	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 15.6-22.1 um	6/1/2005	5.2	
CR 6.0	050509	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 22.1-31.0 um	6/1/2005	5.3	
CR 6.0	050509	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 31.0-44.0 um	6/1/2005	5.0	
CR 6.0	050509	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 44.0-62.5 um	6/1/2005	4.8	
CR 6.0	050509	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 62.5-88.0 um	6/1/2005	5.2	

FIELD_ID	MOTE_ID	DATE	TIME	BATCH_ID	MATRIX	ANAL_MET	UNIT	PARAMETER	ANAL_DATE	VALUE	QUALIFIER
CR 6.0	050509	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 88.0-125 um	6/1/2005	12.1	
CR 6.0	050509	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 125-177 um	6/1/2005	19.6	
CR 6.0	050509	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 177-250 um	6/1/2005	12.5	
CR 6.0	050509	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 250-350 um	6/1/2005	6.7	
CR 6.0	050509	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 350-500 um	6/1/2005	6.5	
CR 6.0	050509	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 500-710 um	6/1/2005	3.2	
CR 6.0	050509	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 710-1000 um	6/1/2005	1.1	
CR 6.0	050509	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1000-1410 um	6/1/2005	0.6	PQL
CR 6.0	050509	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1410-2000 um	6/1/2005	0.2	U
CR 6.0	050509	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 2000-2830 um	6/1/2005	0.2	U
CR 6.0	050509	5/16/2005		2005043	Sediment	SM18 2540G	% of dry weight	TOTAL VOLATILE SOLIDS	6/1/2005	3.1	
CR 6.5	050510	5/16/2005		2005043	Sediment	SM20 2540G	% of wet weight	TOTAL SOLIDS	6/1/2005	72.4	
CR 6.5	050510	5/16/2005		2005043	Sediment	SM20 2540G	% of wet weight	PERCENT MOISTURE	6/1/2005	27.6	
CR 6.5	050510	5/16/2005		2005043	Sediment	Folk 1994	% of wet volume	PERCENT SAND	6/1/2005	86.5	
CR 6.5	050510	5/16/2005		2005043	Sediment	Folk 1994	% of wet volume	PERCENT SILT	6/1/2005	12.4	
CR 6.5	050510	5/16/2005		2005043	Sediment	Folk 1994	% of wet volume	PERCENT CLAY	6/1/2005	1.1	PQL
CR 6.5	050510	5/16/2005		2005043	Sediment	Coulter 1994	um	MEAN	6/1/2005	147	
CR 6.5	050510	5/16/2005		2005043	Sediment	Coulter 1994	um	MEDIAN	6/1/2005	164	
CR 6.5	050510	5/16/2005		2005043	Sediment	Coulter 1994	um	MODE	6/1/2005	154	
CR 6.5	050510	5/16/2005		2005043	Sediment	Coulter 1994	um	STDDEV	6/1/2005	2.93	
CR 6.5	050510	5/16/2005		2005043	Sediment	Coulter 1994	-	SKEWNESS	6/1/2005	-1.44	
CR 6.5	050510	5/16/2005		2005043	Sediment	Coulter 1994	-	KURTOSIS	6/1/2005	3.33	
CR 6.5	050510	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0-0.49 um	6/1/2005	0.2	U
CR 6.5	050510	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.49-0.69 um	6/1/2005	0.2	U
CR 6.5	050510	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.69-0.98 um	6/1/2005	0.2	U
CR 6.5	050510	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.98-1.38 um	6/1/2005	0.2	U
CR 6.5	050510	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1.38-1.95 um	6/1/2005	0.2	U
CR 6.5	050510	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1.95-2.76 um	6/1/2005	0.2	PQL
CR 6.5	050510	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 2.76-3.91 um	6/1/2005	0.4	PQL
CR 6.5	050510	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 3.91-5.52 um	6/1/2005	0.5	PQL
CR 6.5	050510	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 5.52-7.81 um	6/1/2005	0.8	
CR 6.5	050510	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 7.81-11.0 um	6/1/2005	1.2	
CR 6.5	050510	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 11.0-15.6 um	6/1/2005	1.7	
CR 6.5	050510	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 15.6-22.1 um	6/1/2005	2.1	
CR 6.5	050510	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 22.1-31.0 um	6/1/2005	2.2	
CR 6.5	050510	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 31.0-44.0 um	6/1/2005	2.2	
CR 6.5	050510	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 44.0-62.5 um	6/1/2005	1.7	
CR 6.5	050510	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 62.5-88.0 um	6/1/2005	2.8	
CR 6.5	050510	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 88.0-125 um	6/1/2005	13.9	
CR 6.5	050510	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 125-177 um	6/1/2005	25.4	
CR 6.5	050510	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 177-250 um	6/1/2005	17.9	
CR 6.5	050510	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 250-350 um	6/1/2005	8.8	

FIELD_ID	MOTE_ID	DATE	TIME	BATCH_ID	MATRIX	ANAL_MET	UNIT	PARAMETER	ANAL_DATE	VALUE	QUALIFIER
CR 6.5	050510	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 350-500 um	6/1/2005	8.4	
CR 6.5	050510	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 500-710 um	6/1/2005	6.1	
CR 6.5	050510	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 710-1000 um	6/1/2005	2.5	
CR 6.5	050510	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1000-1410 um	6/1/2005	0.7	PQL
CR 6.5	050510	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1410-2000 um	6/1/2005	0.2	U
CR 6.5	050510	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 2000-2830 um	6/1/2005	0.2	U
CR 6.5	050510	5/16/2005		2005043	Sediment	SM18 2540G	% of dry weight	TOTAL VOLATILE SOLIDS	6/1/2005	0.9	PQL
CR 7.0	050511	5/16/2005		2005043	Sediment	SM20 2540G	% of wet weight	TOTAL SOLIDS	6/1/2005	74.0	
CR 7.0	050511	5/16/2005		2005043	Sediment	SM20 2540G	% of wet weight	PERCENT MOISTURE	6/1/2005	26.0	
CR 7.0	050511	5/16/2005		2005043	Sediment	Folk 1994	% of wet volume	PERCENT SAND	6/1/2005	90.3	
CR 7.0	050511	5/16/2005		2005043	Sediment	Folk 1994	% of wet volume	PERCENT SILT	6/1/2005	9.0	
CR 7.0	050511	5/16/2005		2005043	Sediment	Folk 1994	% of wet volume	PERCENT CLAY	6/1/2005	0.7	PQL
CR 7.0	050511	5/16/2005		2005043	Sediment	Coulter 1994	um	MEAN	6/1/2005	184	
CR 7.0	050511	5/16/2005		2005043	Sediment	Coulter 1994	um	MEDIAN	6/1/2005	197	
CR 7.0	050511	5/16/2005		2005043	Sediment	Coulter 1994	um	MODE	6/1/2005	169	
CR 7.0	050511	5/16/2005		2005043	Sediment	Coulter 1994	um	STDDEV	6/1/2005	2.72	
CR 7.0	050511	5/16/2005		2005043	Sediment	Coulter 1994	-	SKEWNESS	6/1/2005	-1.55	
CR 7.0	050511	5/16/2005		2005043	Sediment	Coulter 1994	-	KURTOSIS	6/1/2005	4.05	
CR 7.0	050511	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0-0.49 um	6/1/2005	0.2	U
CR 7.0	050511	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.49-0.69 um	6/1/2005	0.2	U
CR 7.0	050511	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.69-0.98 um	6/1/2005	0.2	U
CR 7.0	050511	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.98-1.38 um	6/1/2005	0.2	U
CR 7.0	050511	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1.38-1.95 um	6/1/2005	0.2	U
CR 7.0	050511	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1.95-2.76 um	6/1/2005	0.2	U
CR 7.0	050511	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 2.76-3.91 um	6/1/2005	0.2	PQL
CR 7.0	050511	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 3.91-5.52 um	6/1/2005	0.4	PQL
CR 7.0	050511	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 5.52-7.81 um	6/1/2005	0.5	PQL
CR 7.0	050511	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 7.81-11.0 um	6/1/2005	0.8	
CR 7.0	050511	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 11.0-15.6 um	6/1/2005	1.2	
CR 7.0	050511	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 15.6-22.1 um	6/1/2005	1.6	
CR 7.0	050511	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 22.1-31.0 um	6/1/2005	1.7	
CR 7.0	050511	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 31.0-44.0 um	6/1/2005	1.7	
CR 7.0	050511	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 44.0-62.5 um	6/1/2005	1.2	
CR 7.0	050511	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 62.5-88.0 um	6/1/2005	2.1	
CR 7.0	050511	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 88.0-125 um	6/1/2005	10.9	
CR 7.0	050511	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 125-177 um	6/1/2005	21.0	
CR 7.0	050511	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 177-250 um	6/1/2005	18.2	
CR 7.0	050511	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 250-350 um	6/1/2005	12.9	
CR 7.0	050511	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 350-500 um	6/1/2005	12.6	
CR 7.0	050511	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 500-710 um	6/1/2005	8.6	
CR 7.0	050511	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 710-1000 um	6/1/2005	3.3	
CR 7.0	050511	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1000-1410 um	6/1/2005	0.7	PQL

FIELD_ID	MOTE_ID	DATE	TIME	BATCH_ID	MATRIX	ANAL_MET	UNIT	PARAMETER	ANAL_DATE	VALUE	QUALIFIER
CR 7.0	050511	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1410-2000 um	6/1/2005	0.2	U
CR 7.0	050511	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 2000-2830 um	6/1/2005	0.2	U
CR 7.0	050511	5/16/2005		2005043	Sediment	SM18 2540G	% of dry weight	TOTAL VOLATILE SOLIDS	6/1/2005	5.5	
CR 7.5	050512	5/16/2005		2005043	Sediment	SM20 2540G	% of wet weight	TOTAL SOLIDS	6/1/2005	67.6	
CR 7.5	050512	5/16/2005		2005043	Sediment	SM20 2540G	% of wet weight	PERCENT MOISTURE	6/1/2005	32.4	
CR 7.5	050512	5/16/2005		2005043	Sediment	Folk 1994	% of wet volume	PERCENT SAND	6/1/2005	84.8	
CR 7.5	050512	5/16/2005		2005043	Sediment	Folk 1994	% of wet volume	PERCENT SILT	6/1/2005	14.3	
CR 7.5	050512	5/16/2005		2005043	Sediment	Folk 1994	% of wet volume	PERCENT CLAY	6/1/2005	0.9	PQL
CR 7.5	050512	5/16/2005		2005043	Sediment	Coulter 1994	um	MEAN	6/1/2005	168	
CR 7.5	050512	5/16/2005		2005043	Sediment	Coulter 1994	um	MEDIAN	6/1/2005	185	
CR 7.5	050512	5/16/2005		2005043	Sediment	Coulter 1994	um	MODE	6/1/2005	154	
CR 7.5	050512	5/16/2005		2005043	Sediment	Coulter 1994	um	STDDEV	6/1/2005	3.14	
CR 7.5	050512	5/16/2005		2005043	Sediment	Coulter 1994	-	SKEWNESS	6/1/2005	-1.13	
CR 7.5	050512	5/16/2005		2005043	Sediment	Coulter 1994	-	KURTOSIS	6/1/2005	2.23	
CR 7.5	050512	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0-0.49 um	6/1/2005	0.2	U
CR 7.5	050512	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.49-0.69 um	6/1/2005	0.2	U
CR 7.5	050512	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.69-0.98 um	6/1/2005	0.2	U
CR 7.5	050512	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.98-1.38 um	6/1/2005	0.2	U
CR 7.5	050512	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1.38-1.95 um	6/1/2005	0.2	U
CR 7.5	050512	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1.95-2.76 um	6/1/2005	0.2	PQL
CR 7.5	050512	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 2.76-3.91 um	6/1/2005	0.3	PQL
CR 7.5	050512	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 3.91-5.52 um	6/1/2005	0.4	PQL
CR 7.5	050512	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 5.52-7.81 um	6/1/2005	0.6	PQL
CR 7.5	050512	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 7.81-11.0 um	6/1/2005	0.9	
CR 7.5	050512	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 11.0-15.6 um	6/1/2005	1.4	
CR 7.5	050512	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 15.6-22.1 um	6/1/2005	2.0	
CR 7.5	050512	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 22.1-31.0 um	6/1/2005	2.5	
CR 7.5	050512	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 31.0-44.0 um	6/1/2005	3.1	
CR 7.5	050512	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 44.0-62.5 um	6/1/2005	3.3	
CR 7.5	050512	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 62.5-88.0 um	6/1/2005	3.9	
CR 7.5	050512	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 88.0-125 um	6/1/2005	10.4	
CR 7.5	050512	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 125-177 um	6/1/2005	18.2	
CR 7.5	050512	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 177-250 um	6/1/2005	15.0	
CR 7.5	050512	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 250-350 um	6/1/2005	11.0	
CR 7.5	050512	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 350-500 um	6/1/2005	11.7	
CR 7.5	050512	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 500-710 um	6/1/2005	8.2	
CR 7.5	050512	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 710-1000 um	6/1/2005	3.9	
CR 7.5	050512	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1000-1410 um	6/1/2005	1.8	
CR 7.5	050512	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1410-2000 um	6/1/2005	0.7	PQL
CR 7.5	050512	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 2000-2830 um	6/1/2005	0.2	U
CR 7.5	050512	5/16/2005		2005043	Sediment	SM18 2540G	% of dry weight	TOTAL VOLATILE SOLIDS	6/1/2005	2.0	
CR 8.0	050513	5/16/2005		2005043	Sediment	SM20 2540G	% of wet weight	TOTAL SOLIDS	6/1/2005	65.4	

FIELD_ID	MOTE_ID	DATE	TIME	BATCH_ID	MATRIX	ANAL_MET	UNIT	PARAMETER	ANAL_DATE	VALUE	QUALIFIER
CR 8.0	050513	5/16/2005		2005043	Sediment	SM20 2540G	% of wet weight	PERCENT MOISTURE	6/1/2005	34.6	
CR 8.0	050513	5/16/2005		2005043	Sediment	Folk 1994	% of wet volume	PERCENT SAND	6/1/2005	89.8	
CR 8.0	050513	5/16/2005		2005043	Sediment	Folk 1994	% of wet volume	PERCENT SILT	6/1/2005	9.5	
CR 8.0	050513	5/16/2005		2005043	Sediment	Folk 1994	% of wet volume	PERCENT CLAY	6/1/2005	0.7	PQL
CR 8.0	050513	5/16/2005		2005043	Sediment	Coulter 1994	um	MEAN	6/1/2005	173	
CR 8.0	050513	5/16/2005		2005043	Sediment	Coulter 1994	um	MEDIAN	6/1/2005	174	
CR 8.0	050513	5/16/2005		2005043	Sediment	Coulter 1994	um	MODE	6/1/2005	154	
CR 8.0	050513	5/16/2005		2005043	Sediment	Coulter 1994	um	STDDEV	6/1/2005	2.67	
CR 8.0	050513	5/16/2005		2005043	Sediment	Coulter 1994	-	SKEWNESS	6/1/2005	-1.09	
CR 8.0	050513	5/16/2005		2005043	Sediment	Coulter 1994	-	KURTOSIS	6/1/2005	3.75	
CR 8.0	050513	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0-0.49 um	6/1/2005	0.2	U
CR 8.0	050513	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.49-0.69 um	6/1/2005	0.2	U
CR 8.0	050513	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.69-0.98 um	6/1/2005	0.2	U
CR 8.0	050513	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.98-1.38 um	6/1/2005	0.2	U
CR 8.0	050513	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1.38-1.95 um	6/1/2005	0.2	U
CR 8.0	050513	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1.95-2.76 um	6/1/2005	0.2	U
CR 8.0	050513	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 2.76-3.91 um	6/1/2005	0.2	U
CR 8.0	050513	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 3.91-5.52 um	6/1/2005	0.3	PQL
CR 8.0	050513	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 5.52-7.81 um	6/1/2005	0.4	PQL
CR 8.0	050513	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 7.81-11.0 um	6/1/2005	0.5	PQL
CR 8.0	050513	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 11.0-15.6 um	6/1/2005	0.8	
CR 8.0	050513	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 15.6-22.1 um	6/1/2005	1.1	
CR 8.0	050513	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 22.1-31.0 um	6/1/2005	1.6	
CR 8.0	050513	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 31.0-44.0 um	6/1/2005	2.3	
CR 8.0	050513	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 44.0-62.5 um	6/1/2005	2.6	
CR 8.0	050513	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 62.5-88.0 um	6/1/2005	4.7	
CR 8.0	050513	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 88.0-125 um	6/1/2005	14.0	
CR 8.0	050513	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 125-177 um	6/1/2005	22.5	
CR 8.0	050513	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 177-250 um	6/1/2005	17.6	
CR 8.0	050513	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 250-350 um	6/1/2005	10.4	
CR 8.0	050513	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 350-500 um	6/1/2005	8.6	
CR 8.0	050513	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 500-710 um	6/1/2005	6.1	
CR 8.0	050513	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 710-1000 um	6/1/2005	3.5	
CR 8.0	050513	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1000-1410 um	6/1/2005	1.8	
CR 8.0	050513	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1410-2000 um	6/1/2005	0.8	
CR 8.0	050513	5/16/2005		2005043	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 2000-2830 um	6/1/2005	0.2	U
CR 8.0	050513	5/16/2005		2005043	Sediment	SM18 2540G	% of dry weight	TOTAL VOLATILE SOLIDS	6/1/2005	1.7	PQL
CR 0.0	051073	9/19/2005	0811	2005166	Sediment	SM20 2540G	% of wet weight	TOTAL SOLIDS	11/28/2005	56.9	
CR 0.0	051073	9/19/2005	0811	2005166	Sediment	SM20 2540G	% of wet weight	PERCENT MOISTURE	11/28/2005	43.1	
CR 0.0	051073	9/19/2005	0811	2005166	Sediment	Folk 1994	% of wet volume	PERCENT SAND	11/28/2005	71.9	
CR 0.0	051073	9/19/2005	0811	2005166	Sediment	Folk 1994	% of wet volume	PERCENT SILT	11/28/2005	26.1	
CR 0.0	051073	9/19/2005	0811	2005166	Sediment	Folk 1994	% of wet volume	PERCENT CLAY	11/28/2005	2.0	

FIELD_ID	MOTE_ID	DATE	TIME	BATCH_ID	MATRIX	ANAL_MET	UNIT	PARAMETER	ANAL_DATE	VALUE	QUALIFIER
CR 0.0	051073	9/19/2005	0811	2005166	Sediment	Coulter 1994	um	MEAN	11/28/2005	161	
CR 0.0	051073	9/19/2005	0811	2005166	Sediment	Coulter 1994	um	MEDIAN	11/28/2005	206	
CR 0.0	051073	9/19/2005	0811	2005166	Sediment	Coulter 1994	um	MODE	11/28/2005	994	
CR 0.0	051073	9/19/2005	0811	2005166	Sediment	Coulter 1994	um	STDDEV	11/28/2005	5.43	
CR 0.0	051073	9/19/2005	0811	2005166	Sediment	Coulter 1994	-	SKEWNESS	11/28/2005	-0.60	
CR 0.0	051073	9/19/2005	0811	2005166	Sediment	Coulter 1994	-	KURTOSIS	11/28/2005	-0.43	
CR 0.0	051073	9/19/2005	0811	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0-0.49 um	11/28/2005	0.2	U
CR 0.0	051073	9/19/2005	0811	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.49-0.69 um	11/28/2005	0.2	U
CR 0.0	051073	9/19/2005	0811	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.69-0.98 um	11/28/2005	0.2	U
CR 0.0	051073	9/19/2005	0811	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.98-1.38 um	11/28/2005	0.2	U
CR 0.0	051073	9/19/2005	0811	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1.38-1.95 um	11/28/2005	0.3	PQL
CR 0.0	051073	9/19/2005	0811	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1.95-2.76 um	11/28/2005	0.5	PQL
CR 0.0	051073	9/19/2005	0811	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 2.76-3.91 um	11/28/2005	0.8	
CR 0.0	051073	9/19/2005	0811	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 3.91-5.52 um	11/28/2005	1.3	
CR 0.0	051073	9/19/2005	0811	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 5.52-7.81 um	11/28/2005	2.0	
CR 0.0	051073	9/19/2005	0811	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 7.81-11.0 um	11/28/2005	2.7	
CR 0.0	051073	9/19/2005	0811	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 11.0-15.6 um	11/28/2005	3.6	
CR 0.0	051073	9/19/2005	0811	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 15.6-22.1 um	11/28/2005	4.2	
CR 0.0	051073	9/19/2005	0811	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 22.1-31.0 um	11/28/2005	4.2	
CR 0.0	051073	9/19/2005	0811	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 31.0-44.0 um	11/28/2005	4.0	
CR 0.0	051073	9/19/2005	0811	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 44.0-62.5 um	11/28/2005	4.0	
CR 0.0	051073	9/19/2005	0811	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 62.5-88.0 um	11/28/2005	4.1	
CR 0.0	051073	9/19/2005	0811	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 88.0-125 um	11/28/2005	5.9	
CR 0.0	051073	9/19/2005	0811	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 125-177 um	11/28/2005	8.5	
CR 0.0	051073	9/19/2005	0811	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 177-250 um	11/28/2005	7.6	
CR 0.0	051073	9/19/2005	0811	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 250-350 um	11/28/2005	7.1	
CR 0.0	051073	9/19/2005	0811	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 350-500 um	11/28/2005	7.7	
CR 0.0	051073	9/19/2005	0811	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 500-710 um	11/28/2005	7.0	
CR 0.0	051073	9/19/2005	0811	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 710-1000 um	11/28/2005	9.2	
CR 0.0	051073	9/19/2005	0811	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1000-1410 um	11/28/2005	9.5	
CR 0.0	051073	9/19/2005	0811	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1410-2000 um	11/28/2005	5.4	
CR 0.0	051073	9/19/2005	0811	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 2000-2830 um	11/28/2005	0.2	U
CR 0.0	051073	9/19/2005	0811	2005166	Sediment	SM18 2540G	% of dry weight	TOTAL VOLATILE SOLIDS	11/28/2005	4.6	
CR 1.0	051074	9/19/2005	0835	2005166	Sediment	SM20 2540G	% of wet weight	TOTAL SOLIDS	11/28/2005	31.3	
CR 1.0	051074	9/19/2005	0835	2005166	Sediment	SM20 2540G	% of wet weight	PERCENT MOISTURE	11/28/2005	68.7	
CR 1.0	051074	9/19/2005	0835	2005166	Sediment	Folk 1994	% of wet volume	PERCENT SAND	11/28/2005	67.9	
CR 1.0	051074	9/19/2005	0835	2005166	Sediment	Folk 1994	% of wet volume	PERCENT SILT	11/28/2005	29.5	
CR 1.0	051074	9/19/2005	0835	2005166	Sediment	Folk 1994	% of wet volume	PERCENT CLAY	11/28/2005	2.6	
CR 1.0	051074	9/19/2005	0835	2005166	Sediment	Coulter 1994	um	MEAN	11/28/2005	129	
CR 1.0	051074	9/19/2005	0835	2005166	Sediment	Coulter 1994	um	MEDIAN	11/28/2005	168	
CR 1.0	051074	9/19/2005	0835	2005166	Sediment	Coulter 1994	um	MODE	11/28/2005	154	
CR 1.0	051074	9/19/2005	0835	2005166	Sediment	Coulter 1994	um	STDDEV	11/28/2005	5.42	

FIELD_ID	MOTE_ID	DATE	TIME	BATCH_ID	MATRIX	ANAL_MET	UNIT	PARAMETER	ANAL_DATE	VALUE	QUALIFIER
CR 1.0	051074	9/19/2005	0835	2005166	Sediment	Coulter 1994	-	SKEWNESS	11/28/2005	-0.53	
CR 1.0	051074	9/19/2005	0835	2005166	Sediment	Coulter 1994	-	KURTOSIS	11/28/2005	-0.50	
CR 1.0	051074	9/19/2005	0835	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0-0.49 um	11/28/2005	0.2	U
CR 1.0	051074	9/19/2005	0835	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.49-0.69 um	11/28/2005	0.2	U
CR 1.0	051074	9/19/2005	0835	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.69-0.98 um	11/28/2005	0.2	U
CR 1.0	051074	9/19/2005	0835	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.98-1.38 um	11/28/2005	0.3	PQL
CR 1.0	051074	9/19/2005	0835	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1.38-1.95 um	11/28/2005	0.4	PQL
CR 1.0	051074	9/19/2005	0835	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1.95-2.76 um	11/28/2005	0.6	PQL
CR 1.0	051074	9/19/2005	0835	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 2.76-3.91 um	11/28/2005	1.0	
CR 1.0	051074	9/19/2005	0835	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 3.91-5.52 um	11/28/2005	1.6	
CR 1.0	051074	9/19/2005	0835	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 5.52-7.81 um	11/28/2005	2.3	
CR 1.0	051074	9/19/2005	0835	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 7.81-11.0 um	11/28/2005	3.0	
CR 1.0	051074	9/19/2005	0835	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 11.0-15.6 um	11/28/2005	3.9	
CR 1.0	051074	9/19/2005	0835	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 15.6-22.1 um	11/28/2005	4.8	
CR 1.0	051074	9/19/2005	0835	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 22.1-31.0 um	11/28/2005	4.8	
CR 1.0	051074	9/19/2005	0835	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 31.0-44.0 um	11/28/2005	4.6	
CR 1.0	051074	9/19/2005	0835	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 44.0-62.5 um	11/28/2005	4.5	
CR 1.0	051074	9/19/2005	0835	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 62.5-88.0 um	11/28/2005	4.8	
CR 1.0	051074	9/19/2005	0835	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 88.0-125 um	11/28/2005	6.3	
CR 1.0	051074	9/19/2005	0835	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 125-177 um	11/28/2005	8.1	
CR 1.0	051074	9/19/2005	0835	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 177-250 um	11/28/2005	7.4	
CR 1.0	051074	9/19/2005	0835	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 250-350 um	11/28/2005	7.3	
CR 1.0	051074	9/19/2005	0835	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 350-500 um	11/28/2005	8.4	
CR 1.0	051074	9/19/2005	0835	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 500-710 um	11/28/2005	8.1	
CR 1.0	051074	9/19/2005	0835	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 710-1000 um	11/28/2005	7.7	
CR 1.0	051074	9/19/2005	0835	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1000-1410 um	11/28/2005	6.4	
CR 1.0	051074	9/19/2005	0835	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1410-2000 um	11/28/2005	3.5	
CR 1.0	051074	9/19/2005	0835	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 2000-2830 um	11/28/2005	0.2	U
CR 1.0	051074	9/19/2005	0835	2005166	Sediment	SM18 2540G	% of dry weight	TOTAL VOLATILE SOLIDS	11/28/2005	17.2	
CR 2.0	051075	9/19/2005	0856	2005166	Sediment	SM20 2540G	% of wet weight	TOTAL SOLIDS	11/28/2005	52.1	
CR 2.0	051075	9/19/2005	0856	2005166	Sediment	SM20 2540G	% of wet weight	PERCENT MOISTURE	11/28/2005	47.9	
CR 2.0	051075	9/19/2005	0856	2005166	Sediment	Folk 1994	% of wet volume	PERCENT SAND	11/28/2005	62.4	
CR 2.0	051075	9/19/2005	0856	2005166	Sediment	Folk 1994	% of wet volume	PERCENT SILT	11/28/2005	34.2	
CR 2.0	051075	9/19/2005	0856	2005166	Sediment	Folk 1994	% of wet volume	PERCENT CLAY	11/28/2005	3.5	
CR 2.0	051075	9/19/2005	0856	2005166	Sediment	Coulter 1994	um	MEAN	11/28/2005	88.2	
CR 2.0	051075	9/19/2005	0856	2005166	Sediment	Coulter 1994	um	MEDIAN	11/28/2005	123	
CR 2.0	051075	9/19/2005	0856	2005166	Sediment	Coulter 1994	um	MODE	11/28/2005	154	
CR 2.0	051075	9/19/2005	0856	2005166	Sediment	Coulter 1994	um	STDDEV	11/28/2005	5.29	
CR 2.0	051075	9/19/2005	0856	2005166	Sediment	Coulter 1994	-	SKEWNESS	11/28/2005	-0.39	
CR 2.0	051075	9/19/2005	0856	2005166	Sediment	Coulter 1994	-	KURTOSIS	11/28/2005	-0.50	
CR 2.0	051075	9/19/2005	0856	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0-0.49 um	11/28/2005	0.2	U
CR 2.0	051075	9/19/2005	0856	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.49-0.69 um	11/28/2005	0.2	U

FIELD_ID	MOTE_ID	DATE	TIME	BATCH_ID	MATRIX	ANAL_MET	UNIT	PARAMETER	ANAL_DATE	VALUE	QUALIFIER
CR 2.0	051075	9/19/2005	0856	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.69-0.98 um	11/28/2005	0.3	PQL
CR 2.0	051075	9/19/2005	0856	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.98-1.38 um	11/28/2005	0.4	PQL
CR 2.0	051075	9/19/2005	0856	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1.38-1.95 um	11/28/2005	0.5	PQL
CR 2.0	051075	9/19/2005	0856	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1.95-2.76 um	11/28/2005	0.8	
CR 2.0	051075	9/19/2005	0856	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 2.76-3.91 um	11/28/2005	1.3	
CR 2.0	051075	9/19/2005	0856	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 3.91-5.52 um	11/28/2005	2.2	
CR 2.0	051075	9/19/2005	0856	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 5.52-7.81 um	11/28/2005	3.3	
CR 2.0	051075	9/19/2005	0856	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 7.81-11.0 um	11/28/2005	4.3	
CR 2.0	051075	9/19/2005	0856	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 11.0-15.6 um	11/28/2005	5.2	
CR 2.0	051075	9/19/2005	0856	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 15.6-22.1 um	11/28/2005	5.6	
CR 2.0	051075	9/19/2005	0856	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 22.1-31.0 um	11/28/2005	4.9	
CR 2.0	051075	9/19/2005	0856	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 31.0-44.0 um	11/28/2005	4.3	
CR 2.0	051075	9/19/2005	0856	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 44.0-62.5 um	11/28/2005	4.4	
CR 2.0	051075	9/19/2005	0856	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 62.5-88.0 um	11/28/2005	4.8	
CR 2.0	051075	9/19/2005	0856	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 88.0-125 um	11/28/2005	8.1	
CR 2.0	051075	9/19/2005	0856	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 125-177 um	11/28/2005	12.3	
CR 2.0	051075	9/19/2005	0856	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 177-250 um	11/28/2005	9.2	
CR 2.0	051075	9/19/2005	0856	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 250-350 um	11/28/2005	6.8	
CR 2.0	051075	9/19/2005	0856	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 350-500 um	11/28/2005	6.5	
CR 2.0	051075	9/19/2005	0856	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 500-710 um	11/28/2005	4.2	
CR 2.0	051075	9/19/2005	0856	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 710-1000 um	11/28/2005	4.0	
CR 2.0	051075	9/19/2005	0856	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1000-1410 um	11/28/2005	4.3	
CR 2.0	051075	9/19/2005	0856	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1410-2000 um	11/28/2005	2.3	
CR 2.0	051075	9/19/2005	0856	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 2000-2830 um	11/28/2005	0.2	U
CR 2.0	051075	9/19/2005	0856	2005166	Sediment	SM18 2540G	% of dry weight	TOTAL VOLATILE SOLIDS	11/28/2005	6.6	
CR 3.0	051076	9/19/2005	0910	2005166	Sediment	SM20 2540G	% of wet weight	TOTAL SOLIDS	11/28/2005	49.0	
CR 3.0	051076	9/19/2005	0910	2005166	Sediment	SM20 2540G	% of wet weight	PERCENT MOISTURE	11/28/2005	51.0	
CR 3.0	051076	9/19/2005	0910	2005166	Sediment	Folk 1994	% of wet volume	PERCENT SAND	11/28/2005	62.8	
CR 3.0	051076	9/19/2005	0910	2005166	Sediment	Folk 1994	% of wet volume	PERCENT SILT	11/28/2005	34.0	
CR 3.0	051076	9/19/2005	0910	2005166	Sediment	Folk 1994	% of wet volume	PERCENT CLAY	11/28/2005	3.3	
CR 3.0	051076	9/19/2005	0910	2005166	Sediment	Coulter 1994	um	MEAN	11/28/2005	77.2	
CR 3.0	051076	9/19/2005	0910	2005166	Sediment	Coulter 1994	um	MEDIAN	11/28/2005	120	
CR 3.0	051076	9/19/2005	0910	2005166	Sediment	Coulter 1994	um	MODE	11/28/2005	154	
CR 3.0	051076	9/19/2005	0910	2005166	Sediment	Coulter 1994	um	STDDEV	11/28/2005	4.45	
CR 3.0	051076	9/19/2005	0910	2005166	Sediment	Coulter 1994	-	SKEWNESS	11/28/2005	-0.62	
CR 3.0	051076	9/19/2005	0910	2005166	Sediment	Coulter 1994	-	KURTOSIS	11/28/2005	-0.19	
CR 3.0	051076	9/19/2005	0910	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0-0.49 um	11/28/2005	0.2	U
CR 3.0	051076	9/19/2005	0910	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.49-0.69 um	11/28/2005	0.2	U
CR 3.0	051076	9/19/2005	0910	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.69-0.98 um	11/28/2005	0.3	PQL
CR 3.0	051076	9/19/2005	0910	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.98-1.38 um	11/28/2005	0.4	PQL
CR 3.0	051076	9/19/2005	0910	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1.38-1.95 um	11/28/2005	0.5	PQL
CR 3.0	051076	9/19/2005	0910	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1.95-2.76 um	11/28/2005	0.7	PQL

FIELD_ID	MOTE_ID	DATE	TIME	BATCH_ID	MATRIX	ANAL_MET	UNIT	PARAMETER	ANAL_DATE	VALUE	QUALIFIER
CR 3.0	051076	9/19/2005	0910	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 2.76-3.91 um	11/28/2005	1.2	
CR 3.0	051076	9/19/2005	0910	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 3.91-5.52 um	11/28/2005	2.0	
CR 3.0	051076	9/19/2005	0910	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 5.52-7.81 um	11/28/2005	3.1	
CR 3.0	051076	9/19/2005	0910	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 7.81-11.0 um	11/28/2005	4.1	
CR 3.0	051076	9/19/2005	0910	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 11.0-15.6 um	11/28/2005	5.2	
CR 3.0	051076	9/19/2005	0910	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 15.6-22.1 um	11/28/2005	5.7	
CR 3.0	051076	9/19/2005	0910	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 22.1-31.0 um	11/28/2005	5.1	
CR 3.0	051076	9/19/2005	0910	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 31.0-44.0 um	11/28/2005	4.4	
CR 3.0	051076	9/19/2005	0910	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 44.0-62.5 um	11/28/2005	4.4	
CR 3.0	051076	9/19/2005	0910	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 62.5-88.0 um	11/28/2005	4.9	
CR 3.0	051076	9/19/2005	0910	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 88.0-125 um	11/28/2005	9.5	
CR 3.0	051076	9/19/2005	0910	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 125-177 um	11/28/2005	15.4	
CR 3.0	051076	9/19/2005	0910	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 177-250 um	11/28/2005	12.3	
CR 3.0	051076	9/19/2005	0910	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 250-350 um	11/28/2005	8.3	
CR 3.0	051076	9/19/2005	0910	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 350-500 um	11/28/2005	6.0	
CR 3.0	051076	9/19/2005	0910	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 500-710 um	11/28/2005	2.7	
CR 3.0	051076	9/19/2005	0910	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 710-1000 um	11/28/2005	2.2	
CR 3.0	051076	9/19/2005	0910	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1000-1410 um	11/28/2005	1.6	
CR 3.0	051076	9/19/2005	0910	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1410-2000 um	11/28/2005	0.2	U
CR 3.0	051076	9/19/2005	0910	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 2000-2830 um	11/28/2005	0.2	U
CR 3.0	051076	9/19/2005	0910	2005166	Sediment	SM18 2540G	% of dry weight	TOTAL VOLATILE SOLIDS	11/28/2005	6.8	
CR 3.5	051077	9/19/2005	0929	2005166	Sediment	SM20 2540G	% of wet weight	TOTAL SOLIDS	11/28/2005	56.3	
CR 3.5	051077	9/19/2005	0929	2005166	Sediment	SM20 2540G	% of wet weight	PERCENT MOISTURE	11/28/2005	43.7	
CR 3.5	051077	9/19/2005	0929	2005166	Sediment	Folk 1994	% of wet volume	PERCENT SAND	11/28/2005	68.3	
CR 3.5	051077	9/19/2005	0929	2005166	Sediment	Folk 1994	% of wet volume	PERCENT SILT	11/28/2005	28.9	
CR 3.5	051077	9/19/2005	0929	2005166	Sediment	Folk 1994	% of wet volume	PERCENT CLAY	11/28/2005	2.8	
CR 3.5	051077	9/19/2005	0929	2005166	Sediment	Coulter 1994	um	MEAN	11/28/2005	98.0	
CR 3.5	051077	9/19/2005	0929	2005166	Sediment	Coulter 1994	um	MEDIAN	11/28/2005	136	
CR 3.5	051077	9/19/2005	0929	2005166	Sediment	Coulter 1994	um	MODE	11/28/2005	154	
CR 3.5	051077	9/19/2005	0929	2005166	Sediment	Coulter 1994	um	STDDEV	11/28/2005	4.64	
CR 3.5	051077	9/19/2005	0929	2005166	Sediment	Coulter 1994	-	SKEWNESS	11/28/2005	-0.57	
CR 3.5	051077	9/19/2005	0929	2005166	Sediment	Coulter 1994	-	KURTOSIS	11/28/2005	-0.02	
CR 3.5	051077	9/19/2005	0929	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0-0.49 um	11/28/2005	0.2	U
CR 3.5	051077	9/19/2005	0929	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.49-0.69 um	11/28/2005	0.2	U
CR 3.5	051077	9/19/2005	0929	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.69-0.98 um	11/28/2005	0.2	PQL
CR 3.5	051077	9/19/2005	0929	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.98-1.38 um	11/28/2005	0.3	PQL
CR 3.5	051077	9/19/2005	0929	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1.38-1.95 um	11/28/2005	0.4	PQL
CR 3.5	051077	9/19/2005	0929	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1.95-2.76 um	11/28/2005	0.6	PQL
CR 3.5	051077	9/19/2005	0929	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 2.76-3.91 um	11/28/2005	1.1	
CR 3.5	051077	9/19/2005	0929	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 3.91-5.52 um	11/28/2005	1.7	
CR 3.5	051077	9/19/2005	0929	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 5.52-7.81 um	11/28/2005	2.6	
CR 3.5	051077	9/19/2005	0929	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 7.81-11.0 um	11/28/2005	3.4	

FIELD_ID	MOTE_ID	DATE	TIME	BATCH_ID	MATRIX	ANAL_MET	UNIT	PARAMETER	ANAL_DATE	VALUE	QUALIFIER
CR 3.5	051077	9/19/2005	0929	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 11.0-15.6 um	11/28/2005	4.3	
CR 3.5	051077	9/19/2005	0929	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 15.6-22.1 um	11/28/2005	4.8	
CR 3.5	051077	9/19/2005	0929	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 22.1-31.0 um	11/28/2005	4.3	
CR 3.5	051077	9/19/2005	0929	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 31.0-44.0 um	11/28/2005	3.9	
CR 3.5	051077	9/19/2005	0929	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 44.0-62.5 um	11/28/2005	4.0	
CR 3.5	051077	9/19/2005	0929	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 62.5-88.0 um	11/28/2005	4.6	
CR 3.5	051077	9/19/2005	0929	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 88.0-125 um	11/28/2005	9.9	
CR 3.5	051077	9/19/2005	0929	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 125-177 um	11/28/2005	16.9	
CR 3.5	051077	9/19/2005	0929	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 177-250 um	11/28/2005	12.1	
CR 3.5	051077	9/19/2005	0929	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 250-350 um	11/28/2005	6.5	
CR 3.5	051077	9/19/2005	0929	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 350-500 um	11/28/2005	5.3	
CR 3.5	051077	9/19/2005	0929	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 500-710 um	11/28/2005	4.0	
CR 3.5	051077	9/19/2005	0929	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 710-1000 um	11/28/2005	3.8	
CR 3.5	051077	9/19/2005	0929	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1000-1410 um	11/28/2005	3.5	
CR 3.5	051077	9/19/2005	0929	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1410-2000 um	11/28/2005	1.7	
CR 3.5	051077	9/19/2005	0929	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 2000-2830 um	11/28/2005	0.2	U
CR 3.5	051077	9/19/2005	0929	2005166	Sediment	SM18 2540G	% of dry weight	TOTAL VOLATILE SOLIDS	11/28/2005	4.7	
CR 4.0	051078	9/19/2005	0948	2005166	Sediment	SM20 2540G	% of wet weight	TOTAL SOLIDS	11/28/2005	19.1	
CR 4.0	051078	9/19/2005	0948	2005166	Sediment	SM20 2540G	% of wet weight	PERCENT MOISTURE	11/28/2005	80.9	
CR 4.0	051078	9/19/2005	0948	2005166	Sediment	Folk 1994	% of wet volume	PERCENT SAND	11/28/2005	50.6	
CR 4.0	051078	9/19/2005	0948	2005166	Sediment	Folk 1994	% of wet volume	PERCENT SILT	11/28/2005	46.2	
CR 4.0	051078	9/19/2005	0948	2005166	Sediment	Folk 1994	% of wet volume	PERCENT CLAY	11/28/2005	3.3	
CR 4.0	051078	9/19/2005	0948	2005166	Sediment	Coulter 1994	um	MEAN	11/28/2005	59.1	
CR 4.0	051078	9/19/2005	0948	2005166	Sediment	Coulter 1994	um	MEDIAN	11/28/2005	64.2	
CR 4.0	051078	9/19/2005	0948	2005166	Sediment	Coulter 1994	um	MODE	11/28/2005	128	
CR 4.0	051078	9/19/2005	0948	2005166	Sediment	Coulter 1994	um	STDDEV	11/28/2005	4.44	
CR 4.0	051078	9/19/2005	0948	2005166	Sediment	Coulter 1994	-	SKEWNESS	11/28/2005	-0.16	
CR 4.0	051078	9/19/2005	0948	2005166	Sediment	Coulter 1994	-	KURTOSIS	11/28/2005	-0.32	
CR 4.0	051078	9/19/2005	0948	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0-0.49 um	11/28/2005	0.2	U
CR 4.0	051078	9/19/2005	0948	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.49-0.69 um	11/28/2005	0.2	U
CR 4.0	051078	9/19/2005	0948	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.69-0.98 um	11/28/2005	0.3	PQL
CR 4.0	051078	9/19/2005	0948	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 0.98-1.38 um	11/28/2005	0.3	PQL
CR 4.0	051078	9/19/2005	0948	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1.38-1.95 um	11/28/2005	0.5	PQL
CR 4.0	051078	9/19/2005	0948	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 1.95-2.76 um	11/28/2005	0.7	PQL
CR 4.0	051078	9/19/2005	0948	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 2.76-3.91 um	11/28/2005	1.3	
CR 4.0	051078	9/19/2005	0948	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 3.91-5.52 um	11/28/2005	2.1	
CR 4.0	051078	9/19/2005	0948	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 5.52-7.81 um	11/28/2005	3.4	
CR 4.0	051078	9/19/2005	0948	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 7.81-11.0 um	11/28/2005	4.7	
CR 4.0	051078	9/19/2005	0948	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 11.0-15.6 um	11/28/2005	6.3	
CR 4.0	051078	9/19/2005	0948	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 15.6-22.1 um	11/28/2005	7.5	
CR 4.0	051078	9/19/2005	0948	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 22.1-31.0 um	11/28/2005	7.4	
CR 4.0	051078	9/19/2005	0948	2005166	Sediment	Coulter 1994	% of tot.sed.vol.	VOL% 31.0-44.0 um	11/28/2005	7.2	

