Appendix C. Sample Information (N = Number in Composite, Average Weight in Grams, Average Length in millimeters [unless N=1], Flows are Cubic Feet per Second) for Aquatic Plants, Invertebrates, Whole Body Fish, Water, and Sediment Samples Collected from the San Juan River Mainstem in New Mexico, Colorado, and Utah, 1990 - 1996.

RIVER REACH MATRIX RIVER MILE	SAMPLE IDENTIF-ICATION CODE	REFERENCE	INSTAN-TANEOUS FLOW	14-DAY LAG FLOW	HABITAT TYPE (as reported)	DATE	TAXONOMY	COMMON NAME	N	AVERAGE LENGTH	AVERAGE WEIGHT
Reach 1 - Submerged Plants											
2	473-2715	Wilson et al 95	2000	1004.8	mainstem	09/16/94		Submergent Plant			
2	383	Wilson et al 95	1200	872.4	mainstem	03/01/94		Submergent Plant			
Reach 1 - Invertebrates											
2	473-2716	Wilson et al 95	2000	1004.8	mainstem	09/16/94		Invertebrate	>50		
2	382	Wilson et al 95	1200	872.4	mainstem	03/01/94		Invertebrate	>50		
Reach 1 - Whole Body Fish											
0	491	Wilson et al 95	838	1414.4	backwater	03/13/94	*Lepomis cyanelus*	Green Sunfish	14		1.90
0	460-2637	Wilson et al 95	659	759.5	backwater	09/11/94	*Lepomis cyanelus*	Green Sunfish	5		3.80
0	485	Wilson et al 95	838	1414.4	backwater	03/13/94	*Morone saxatilis*	Striped Bass	4	590.5	1587.00
0	494	Wilson et al 95	838	1414.4	backwater	03/13/94	*Micropterus dolomieui*	Smallmouth Bass	5	168.2	62.00
0	492	Wilson et al 95	838	1414.4	backwater	03/13/94	*Cyprinus carpio*	common carp	4	198	120.25
0	493	Wilson et al 95	838	1414.4	backwater	03/13/94	*Ictalarus punctatus*	channel catfish	3	321.66	245.00
0	486	Wilson et al 95	838	1414.4	backwater	03/13/94	*Sitzostedion vitreum*	Walleye	4	442.25	893.50
0	460-2633	Wilson et al 95	659	759.5	backwater	09/11/94	*Morone saxatilis*	Striped Bass	5	408	646.00
0	460-2638	Wilson et al 95	659	759.5	backwater	09/11/94	*Micropterus salmoides*	Largemouth Bass	3	313.33	393.33
0	460-2636	Wilson et al 95	659	759.5	backwater	09/11/94	*Ictalarus punctatus*	channel catfish	1	366	407.00
0	460-2635	Wilson et al 95	659	759.5	backwater	09/11/94	*Cyprinus carpio*	common carp	5	396	757.00
0	487	Wilson et al 95	838	1414.4	backwater	03/13/94	*Cyprinus carpio*	common carp	5	420.8	892.40
0	460-2634	Wilson et al 95	659	759.5	backwater	09/11/94	*Sitzostedion vitreum*	Walleye	4	461	849.00
0	488	Wilson et al 95	838	1414.4	backwater	03/13/94	*Ictalarus punctatus*	channel catfish	5	338.4	360.80
2	385	Wilson et al 95	1200	872.4	mainstem	03/01/94		small fish			
2	384	Wilson et al 95	1200	872.4	mainstem	03/01/94		small fish	15		
2	473-2717	Wilson et al 95	2000	1004.8	mainstem	09/16/94		small fish			
2	473-2718	Wilson et al 95	2000	1004.8	mainstem	09/16/94		small fish			
2	473-2719	Wilson et al 95	2000	1004.8	mainstem	09/16/94	*Catostomus latipinnis*	flannelmouth sucker	2	207.5	74.00
2	380	Wilson et al 95	1200	872.4	mainstem	03/01/94	*Catostomus latipinnis*	flannelmouth sucker			

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RIVER REACH MATRIX RIVER MILE	SAMPLE IDENTIF-ICATION CODE	REFERENCE	INSTAN-TANEOUS FLOW	14-DAY LAG FLOW	HABITAT TYPE (as reported)	DATE	TAXONOMY	COMMON NAME	N	AVERAGE LENGTH	AVERAGE WEIGHT
2	379	Wilson et al 95	1200	872.4	mainstem	03/01/94	*Catostomus latipinnis*	flannelmouth sucker			
2	473-2720	Wilson et al 95	2000	1004.8	mainstem	09/16/94	*Cyprinus carpio*	common carp	1	200	
2	381	Wilson et al 95	1200	872.4	mainstem	03/01/94	*Ictalarus punctatus*	channel catfish			
Reach 2 - Submerged Plants											
53	472-2708	Wilson et al 95	1350	890.4	mainstem	09/15/94		Submergent Plant			
Reach 2 - Invertebrates											
53	378	Wilson et al 95	2070	1044.6	mainstem	03/03/94		Invertebrate	>50		
53	472-2709	Wilson et al 95	1350	890.4	mainstem	09/15/94		Invertebrate	>50		
Reach 2 - Whole Body Fish											
53	472-2710	Wilson et al 95	1350	890.4	mainstem	09/15/94		small fish			
53	377	Wilson et al 95	2070	1044.6	mainstem	03/03/94		small fish	27		0.96
53	472-2711	Wilson et al 95	1350	890.4	mainstem	09/15/94		small fish			
53	472-2713	Wilson et al 95	1350	890.4	mainstem	09/15/94	*Catostomus discobolus*	bluehead sucker	1	85	
53	376	Wilson et al 95	2070	1044.6	mainstem	03/03/94	*Ictalarus punctatus*	channel catfish	3	1107	416.00
53	472-2712	Wilson et al 95	1350	890.4	mainstem	09/15/94	*Catostomus latipinnis*	flannelmouth sucker	4	350	347.50
53	472-2714	Wilson et al 95	1350	890.4	mainstem	09/15/94	*Ictalarus punctatus*	channel catfish	4	150	36.25
53	374	Wilson et al 95	2070	1044.6	mainstem	03/03/94	*Catostomus latipinnis*	flannelmouth sucker	3	218.33	85.66
53	375	Wilson et al 95	2070	1044.6	mainstem	03/03/94	*Catostomus latipinnis*	flannelmouth sucker	3	395	507.00
Reach 3 - Submerged Plants											
77	471-2701	Wilson et al 95	1350	890.4	mainstem	09/15/94		Submergent Plant			
77	371	Wilson et al 95	1200	872.4	mainstem	03/01/94		Submergent Plant			
93	470-2694	Wilson et al 95	1350	890.4	mainstem	09/15/94		Submergent Plant			
93	364	Wilson et al 95	1200	872.4	mainstem	03/01/94		Submergent Plant			
Reach 3 - Invertebrates											
77	471-2702	Wilson et al 95	1350	890.4	mainstem	09/15/94		Invertebrate	>50		
77	370	Wilson et al 95	1200	872.4	mainstem	03/01/94		Invertebrate	>50		
77	373	Wilson et al 95	1200	872.4	mainstem	03/01/94		Invertebrate	>50		

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RIVER REACH MATRIX RIVER MILE	SAMPLE IDENTIF-ICATION CODE	REFERENCE	INSTAN-TANEOUS FLOW	14-DAY LAG FLOW	HABITAT TYPE (as reported)	DATE	TAXONOMY	COMMON NAME	N	AVERAGE LENGTH	AVERAGE WEIGHT
93	363	Wilson et al 95	1200	872.4	mainstem	03/01/94		Invertebrate	>50		
93	470-2695	Wilson et al 95	1350	890.4	mainstem	09/15/94		Invertebrate	>50		
100	469-2693	Wilson et al 95	1350	890.4	tributary	09/15/94		Invertebrate	>50		
Reach 3 - Whole Body Fish											
77	369	Wilson et al 95	1200	872.4	mainstem	03/01/94		small fish	17		
77	471-2706	Wilson et al 95	1350	890.4	mainstem	09/15/94	*Catostomus discobolus*	bluehead sucker	3	300	315.00
77	368	Wilson et al 95	1200	872.4	mainstem	03/01/94	*Catostomus discobolus*	bluehead sucker	2	342.5	386.50
77	471-2705	Wilson et al 95	1350	890.4	mainstem	09/15/94	*Catostomus latipinnis*	flannelmouth sucker	4	360	402.50
77	366	Wilson et al 95	1200	872.4	mainstem	03/01/94	*Catostomus latipinnis*	flannelmouth sucker	3	469	1054.00
77	372	Wilson et al 95	1200	872.4	mainstem	03/01/94		small fish	25		
77	365	Wilson et al 95	1200	872.4	mainstem	03/01/94	*Cyprinus carpio*	common carp	3	419.3	1031.30
77	367	Wilson et al 95	1200	872.4	mainstem	03/01/94	*Catostomus latipinnis*	flannelmouth sucker	3	240.66	136.00
77	471-2707	Wilson et al 95	1350	890.4	mainstem	09/15/94	*Ictalarus punctatus*	channel catfish	4	295	372.50
77	471-2704	Wilson et al 95	1350	890.4	mainstem	09/15/94		small fish			
77	471-2703	Wilson et al 95	1350	890.4	mainstem	09/15/94		small fish			
92	SJWBF31	Wilson et al 95	1940	1339.3	mainstem	08/25/95	*Catostomus latipinnis*	flannelmouth sucker	5	429.4	701.80
92	SJWBF33	Wilson et al 95	1940	1339.3	mainstem	08/25/95	*Cyprinus carpio*	common carp	5	455.6	1169.20
92	SJWBF36	Wilson et al 95	1940	1339.3	mainstem	08/25/95	*Rhinichthys osculus*	speckled dace	4		4.00
92	SJWBF34	Wilson et al 95	1940	1339.3	mainstem	08/25/95	*Cyprinus carpio*	common carp	5	404.2	814.20
92	SJWBF35	Wilson et al 95	1940	1339.3	mainstem	08/25/95	*Rhinichthys osculus*	speckled dace	5		4.40
92	SJWBF32	Wilson et al 95	1940	1339.3	mainstem	08/25/95	*Catostomus latipinnis*	flannelmouth sucker	5	375.8	507.40
93	361	Wilson et al 95	1200	872.4	mainstem	03/01/94	*Catostomus latipinnis*	flannelmouth sucker	5	467.2	1039.40
93	359	Wilson et al 95	1200	872.4	mainstem	03/01/94	*Cyprinus carpio*	common carp	5	479.4	1449.40
93	360	Wilson et al 95	1200	872.4	mainstem	03/01/94	*Catostomus latipinnis*	flannelmouth sucker	5	333.2	441.00
93	470-2698	Wilson et al 95	1350	890.4	mainstem	09/15/94	*Catostomus discobolus*	bluehead sucker	3	332.66	332.33
93	358	Wilson et al 95	1200	872.4	mainstem	03/01/94	*Ictalarus punctatus*	channel catfish	3	404.66	669.00
93	470-2697	Wilson et al 95	1350	890.4	mainstem	09/15/94	*Catostomus latipinnis*	flannelmouth sucker	5	434.4	668.60

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93	470-2699	Wilson et al 95	1350	890.4	mainstem	09/15/94	*Cyprinus carpio*	common carp	5	484.2	1497.00
93	470-2696	Wilson et al 95	1350	890.4	mainstem	09/15/94		small fish			
93	470-2700	Wilson et al 95	1350	890.4	mainstem	09/15/94	*Ictalarus punctatus*	Channel Catfish	2	430.5	835.50
93	362	Wilson et al 95	1200	872.4	mainstem	03/01/94		small fish	25		
100	469-2690	Wilson et al 95	1350	890.4	tributary	09/15/94		small fish			
100	502	Wilson et al 95	1800	948.0	tributary	03/02/94	*Cyprinella lutrensis*	Red Shiner			
100	500	Wilson et al 95	1800	948.0	tributary	03/02/94	*Rhinichthys osculus*	speckled dace			
100	469-2689	Wilson et al 95	1350	890.4	tributary	09/15/94	*Cyprinella lutrensis*	Red Shiner		620	
100	501	Wilson et al 95	1800	948.0	tributary	03/02/94	*Catostomus latipinnis*	flannelmouth sucker			
100	469-2691	Wilson et al 95	1350	890.4	tributary	09/15/94	*Catostomus latipinnis*	flannelmouth sucker			
100	469-2692	Wilson et al 95	1350	890.4	tributary	09/15/94	*Catostomus latipinnis*	flannelmouth sucker			
Reach 4 - Water											
122.7	71S1	Keller-Bliesner			mainstem	4/21/94		water			
122.7	71S10	Keller-Bliesner			mainstem	3/28/95		water			
122.7	71S2	Keller-Bliesner			mainstem	5/17/94		water			
122.7	71S3	Keller-Bliesner			mainstem	6/17/94		water			
122.7	71S4	Keller-Bliesner			mainstem	9/20/94		water			
122.7	71S5	Keller-Bliesner			mainstem	10/18/94		water			
122.7	71S6	Keller-Bliesner			mainstem	11/30/94		water			
122.7	71S7	Keller-Bliesner			mainstem	12/20/94		water			
122.7	71S8	Keller-Bliesner			mainstem	1/24/95		water			
122.7	71S9	Keller-Bliesner			mainstem	2/22/95		water			
Reach 4 - Submerged Plants											
119.3	12-O357	Keller-Bliesner	1250	849	mainstem	3/2/94		periphyton	>1		
119.3	468-2684	Keller-Bliesner	1460	903	mainstem	9/14/94		periphyton	>1		
Reach 4 - Invertebrates											
119.3	12-O355	Keller-Bliesner	1280	849	mainstem	3/2/94		macroinvertebrates	>1		

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RIVER REACH MATRIX RIVER MILE	SAMPLE IDENTIF-ICATION CODE	REFERENCE	INSTAN-TANEOUS FLOW	14-DAY LAG FLOW	HABITAT TYPE (as reported)	DATE	TAXONOMY	COMMON NAME	N	AVERAGE LENGTH	AVERAGE WEIGHT
119.3	468-2685	Keller-Bliesner	1460	903	mainstem	9/14/94		macroinvertebrates	>1		
122.7	11-O349	Keller-Bliesner	1280	849	tributary	3/2/94		macroinvertebrates	>1		
122.7	11-O350	Keller-Bliesner	1280	849	tributary	3/2/94		macroinvertebrates	>1		
Reach 4 - Whole Body Fish											
110	SJWBF26	Wilson et al 95	1780	1311	mainstem	8/24/95	*Catostomus latipinnis*	flannelmouth sucker	5	453.8	779.60
110	SJWBF27	Wilson et al 95	1780	1311	mainstem	8/24/95	*Catostomus latipinnis*	flannelmouth sucker	5	469.2	1067.20
110	SJWBF28	Wilson et al 95	1780	1311	mainstem	8/24/95	*Cyprinus carpio*	common carp	5	452.8	910.60
110	SJWBF29	Wilson et al 95	1780	1311	mainstem	8/24/95	*Rhinichthys osculus*	speckled dace	5		4.60
110	SJWBF30	Wilson et al 95	1780	1311	mainstem	8/24/95	*Rhinichthys osculus*	speckled dace	5		4.40
119.3	12-O353	Keller-Bliesner	1280	849	mainstem	3/2/94	*Catostomus latipinnis*	flannelmouth sucker			
119.3	12-O354	Keller-Bliesner	1280	849	mainstem	3/2/94	*Catostomus latipinnis*	flannelmouth sucker			
119.3	12-O356	Keller-Bliesner	1280	849	mainstem	3/2/94		small fish	>1		
119.3	468-2686	Keller-Bliesner	1460	903	mainstem	9/14/94		small fish	>1		
119.3	468-2687	Keller-Bliesner	1460	903	mainstem	9/14/94	*Catostomus latipinnis*	flannelmouth sucker			
119.3	468-2688	Keller-Bliesner	1460	903	mainstem	9/14/94	*Catostomus discobolus*	bluehead sucker			
122.7	11-O351	Keller-Bliesner	1280	849	tributary	3/2/94	*Catostomus discobolus*	bluehead sucker			
122.7	11-O352	Keller-Bliesner	1280	849	tributary	3/2/94		small fish	>1		
130.5	063-0591F	Keller-Bliesner	1850	1139	mainstem	2/22/93	*Catostomus latipinnis*	flannelmouth sucker	1	250	
130.5	063-0592F	Keller-Bliesner	1850	1139	mainstem	2/22/93	*Catostomus latipinnis*	flannelmouth sucker	1	330	
130.5	063-0593F	Keller-Bliesner	1850	1139	mainstem	2/22/93	*Catostomus latipinnis*	flannelmouth sucker	1	330	
130.5	063-0594F	Keller-Bliesner	1850	1317	mainstem	2/22/93	*Catostomus discobolus*	bluehead sucker	1	340	
130.5	063-0595F	Keller-Bliesner	1850	1317	mainstem	2/22/93	*Catostomus discobolus*	bluehead sucker	1	290	
130.5	063-0596F	Keller-Bliesner	1850	1317	mainstem	2/22/93	*Catostomus discobolus*	bluehead sucker	1	240	
Reach 5 - Water											
148	63S1	Keller-Bliesner			mainstem	4/21/94		water			
148	63S10	Keller-Bliesner			mainstem	8/30/94		water			
148	63S11	Keller-Bliesner			mainstem	9/20/94		water			

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148	63S12	Keller-Bliesner			mainstem	9/20/94		water			
148	63S13	Keller-Bliesner			mainstem	10/18/94		water			
148	63S14	Keller-Bliesner			mainstem	10/18/94		water			
148	63S15	Keller-Bliesner			mainstem	11/30/94		water			
148	63S16	Keller-Bliesner			mainstem	11/30/94		water			
148	63S17	Keller-Bliesner			mainstem	12/20/94		water			
148	63S18	Keller-Bliesner			mainstem	12/20/94		water			
148	63S19	Keller-Bliesner			mainstem	1/24/95		water			
148	63S2	Keller-Bliesner			mainstem	4/21/94		water			
148	63S20	Keller-Bliesner			mainstem	1/24/95		water			
148	63S21	Keller-Bliesner			mainstem	2/22/95		water			
148	63S22	Keller-Bliesner			mainstem	2/22/95		water			
148	63S23	Keller-Bliesner			mainstem	3/28/95		water			
148	63S24	Keller-Bliesner			mainstem	3/28/95		water			
148	63S3	Keller-Bliesner			mainstem	5/18/94		water			
148	63S4	Keller-Bliesner			mainstem	5/18/94		water			
148	63S5	Keller-Bliesner			mainstem	6/17/94		water			
148	63S6	Keller-Bliesner			mainstem	6/17/94		water			
148	63S7	Keller-Bliesner			mainstem	7/19/94		water			
148	63S8	Keller-Bliesner			mainstem	7/19/94		water			
148	63S9	Keller-Bliesner			mainstem	8/30/94		water			
Reach 5 - Submerged Plants											
132.0	10-O346	Keller-Bliesner	1250	852	mainstem	3/2/94		periphyton	>1		
132.0	467-2678	Keller-Bliesner	1300	828	mainstem	9/14/94		periphyton	>1		
142.0	09-O342	Keller-Bliesner	1250	852	mainstem	3/2/94		periphyton	>1		
142.0	466-2671	Keller-Bliesner	1300	828	mainstem	9/14/94		periphyton	>1		
147.5	08-O335	Keller-Bliesner	1250	852	mainstem	3/2/94		periphyton	>1		

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147.5	465-2663	Keller-Bliesner	1300	828	mainstem	9/14/94		periphyton	>1		
Reach 5 - Invertebrates											
132.0	10-O345	Keller-Bliesner	1250	852	mainstem	3/2/94		macroinvertebrates	>1		
132.0	10-O348	Keller-Bliesner	1250	852	mainstem	3/2/94		macroinvertebrates	>1		
139.0	075-0663M	Keller-Bliesner	1850	1139	mainstem	2/22/93		macroinvertebrates	>1		
142.0	09-O341	Keller-Bliesner	1250	852	mainstem	3/2/94		macroinvertebrates	>1		
142.0	466-2672	Keller-Bliesner	1300	828	mainstem	9/14/94		macroinvertebrates	>1		
147.0	075-0662M	Keller-Bliesner	1850	1139	mainstem	2/22/93		macroinvertebrates	>1		
147.5	465-2664	Keller-Bliesner	1300	828	mainstem	9/14/94		macroinvertebrates	>1		
148.0	08-O334	Keller-Bliesner	1250	852	mainstem	3/2/94		macroinvertebrates	>1		
150.0	075-0661M	Keller-Bliesner	978	971	mainstem	2/15/93		macroinvertebrates	>1		
153.0	075-0660M	Keller-Bliesner	955	971	mainstem	2/15/93		macroinvertebrates	>1		
Reach 5 - Whole Body Fish											
132.0	10-O343	Keller-Bliesner	1250	852	mainstem	3/2/94	*Catostomus latipinnis*	flannelmouth sucker			
132.0	10-O347	Keller-Bliesner	1250	852	mainstem	3/2/94		small fish	>1		
132.0	10-O408	Keller-Bliesner	969	989	mainstem	3/8/94	*Catostomus discobolus*	bluehead sucker			
132.0	10-O409	Keller-Bliesner	969	989	mainstem	3/8/94	*Ictalarus punctatus*	channel catfish			
132.0	10-O410	Keller-Bliesner	969	989	mainstem	3/8/94	*Catostomus latipinnis*	flannelmouth sucker			
132.0	467-2680	Keller-Bliesner	1300	828	mainstem	9/14/94		small fish	>1		
132.0	467-2681	Keller-Bliesner	1300	828	mainstem	9/14/94		small fish	>1		
132.0	467-2682	Keller-Bliesner	1300	828	mainstem	9/14/94	*Catostomus latipinnis*	flannelmouth sucker			
132.0	467-2683	Keller-Bliesner	1300	828	mainstem	9/14/94	*Catostomus discobolus*	bluehead sucker			
133.0	062-0585F	Keller-Bliesner	1850	1139	mainstem	2/22/93	*Catostomus latipinnis*	flannelmouth sucker	1	330	
133.0	062-0586F	Keller-Bliesner	1850	1139	mainstem	2/22/93	*Catostomus latipinnis*	flannelmouth sucker	1	280	
133.0	062-0587F	Keller-Bliesner	1850	1139	mainstem	2/22/93	*Catostomus latipinnis*	flannelmouth sucker	1	310	
133.0	062-0588F	Keller-Bliesner	1850	1139	mainstem	2/22/93	*Catostomus discobolus*	bluehead sucker	1	240	
133.0	062-0589F	Keller-Bliesner	1850	1139	mainstem	2/22/93	*Catostomus discobolus*	bluehead sucker	1	330	

Appendix C. Sample Information (N = Number in Composite, Average Weight in Grams, Average Length in millimeters [unless N=1], Flows are Cubic Feet per Second) for Aquatic Plants, Invertebrates, Whole Body Fish, Water, and Sediment Samples Collected from the San Juan River Mainstem in New Mexico, Colorado, and Utah, 1990 - 1996.

RIVER REACH MATRIX RIVER MILE	SAMPLE IDENTIF-ICATION CODE	REFERENCE	INSTAN-TANEOUS FLOW	14-DAY LAG FLOW	HABITAT TYPE (as reported)	DATE	TAXONOMY	COMMON NAME	N	AVERAGE LENGTH	AVERAGE WEIGHT
133.0	062-0590F	Keller-Bliesner	1850	1139	mainstem	2/22/93	*Catostomus discobolus*	bluehead sucker	1	220	
139.0	061-0579F	Keller-Bliesner	1850	1139	mainstem	2/22/93	*Catostomus latipinnis*	flannelmouth sucker	1	410	
139.0	061-0580F	Keller-Bliesner	1850	1139	mainstem	2/22/93	*Catostomus latipinnis*	flannelmouth sucker	1	400	
139.0	061-0581F	Keller-Bliesner	1850	1139	mainstem	2/22/93	*Catostomus latipinnis*	flannelmouth sucker	1	360	
139.0	061-0582F	Keller-Bliesner	1850	1139	mainstem	2/22/93	*Catostomus discobolus*	bluehead sucker	1	260	
139.0	061-0583F	Keller-Bliesner	1850	1139	mainstem	2/22/93	*Catostomus discobolus*	bluehead sucker	1	320	
139.0	061-0584F	Keller-Bliesner	1850	1139	mainstem	2/22/93	*Catostomus discobolus*	bluehead sucker	1	400	
139.0	G1	Blanchard, 90	1450	755	mainstem	5/2/90	*Cyprinus carpio*	common carp			
139.0	G2	Blanchard, 90	1210	1184	mainstem	11/5/90	*Cyprinus carpio*	common carp			
139.0	G3	Blanchard, 90	1450	755	mainstem	5/2/90	*Catostomus latipinnis*	flannelmouth sucker			
139.0	G4	Blanchard, 90	1210	1184	mainstem	11/5/90	*Catostomus latipinnis*	flannelmouth sucker			
139.0	G5	Blanchard, 90	1450	755	mainstem	5/2/90	*Ictalarus punctatus*	channel catfish			
139.0	G6	Blanchard, 90	1210	1184	mainstem	11/5/90	*Ictalarus punctatus*	channel catfish			
142.0	09-O337	Keller-Bliesner	1250	852	mainstem	3/2/94	*Cyprinus carpio*	common carp			
142.0	09-O338	Keller-Bliesner	1250	852	mainstem	3/2/94	*Ictalarus punctatus*	channel catfish			
142.0	09-O339	Keller-Bliesner	1250	852	mainstem	3/2/94	*Catostomus latipinnis*	flannelmouth sucker			
142.0	09-O340	Keller-Bliesner	1250	852	mainstem	3/2/94		small fish	>1		
142.0	466-2673	Keller-Bliesner	1300	828	mainstem	9/14/94		small fish	>1		
142.0	466-2674	Keller-Bliesner	1300	828	mainstem	9/14/94	*Catostomus discobolus*	bluehead sucker			
142.0	466-2675	Keller-Bliesner	1300	828	mainstem	9/14/94	*Cyprinus carpio*	common carp			
142.0	466-2676	Keller-Bliesner	1300	828	mainstem	9/14/94	*Ictalarus punctatus*	channel catfish			
142.0	466-2677	Keller-Bliesner	1300	828	mainstem	9/14/94	*Catostomus latipinnis*	flannelmouth sucker			
147.0	060-0570F	Keller-Bliesner	1850	1139	mainstem	2/22/93	*Catostomus latipinnis*	flannelmouth sucker	1	460	
147.0	060-0571F	Keller-Bliesner	1850	1139	mainstem	2/22/93	*Catostomus latipinnis*	flannelmouth sucker	1	480	
147.0	060-0572F	Keller-Bliesner	1850	1139	mainstem	2/22/93	*Catostomus latipinnis*	flannelmouth sucker	1	420	
147.0	060-0573F	Keller-Bliesner	1850	1139	mainstem	2/22/93	*Catostomus discobolus*	bluehead sucker	1	130	
147.0	060-0574F	Keller-Bliesner	1850	1139	mainstem	2/22/93	*Catostomus discobolus*	bluehead sucker	1	270	

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RIVER REACH MATRIX RIVER MILE	SAMPLE IDENTIF-ICATION CODE	REFERENCE	INSTAN-TANEOUS FLOW	14-DAY LAG FLOW	HABITAT TYPE (as reported)	DATE	TAXONOMY	COMMON NAME	N	AVERAGE LENGTH	AVERAGE WEIGHT
147.0	060-0575F	Keller-Bliesner	1850	1139	mainstem	2/22/93	*Catostomus discobolus*	bluehead sucker	1	280	
147.0	060-0576F	Keller-Bliesner	1850	1139	mainstem	2/22/93	*Ictalarus punctatus*	channel catfish	1	410	
147.0	060-0577F	Keller-Bliesner	1850	1139	mainstem	2/22/93	*Ictalarus punctatus*	channel catfish	1	520	
147.0	060-0578F	Keller-Bliesner	1850	1139	mainstem	2/22/93	*Ictalarus punctatus*	channel catfish	1	370	
147.0	F1	Blanchard, 90	877	591	mainstem	4/26/90	*Cyprinus carpio*	common carp			
147.0	F2	Blanchard, 90	1090	1168	mainstem	11/6/90	*Cyprinus carpio*	common carp			
147.0	F3	Blanchard, 90	877	591	mainstem	4/26/90	*Catostomus latipinnis*	flannelmouth sucker			
147.0	F4	Blanchard, 90	1090	1168	mainstem	11/6/90	*Catostomus latipinnis*	flannelmouth sucker			
147.0	F5	Blanchard, 90	877	591	mainstem	4/26/90	*Ictalarus punctatus*	channel catfish			
147.0	F6	Blanchard, 90	1090	1168	mainstem	11/6/90	*Ictalarus punctatus*	channel catfish			
147.5	08-O328	Keller-Bliesner	1250	852	mainstem	3/2/94	*Ictalarus punctatus*	channel catfish			
147.5	08-O329	Keller-Bliesner	1250	852	mainstem	3/2/94	*Ictalarus punctatus*	channel catfish			
147.5	08-O331	Keller-Bliesner	1250	852	mainstem	3/2/94	*Catostomus latipinnis*	flannelmouth sucker			
147.5	08-O332	Keller-Bliesner	1250	852	mainstem	3/2/94	*Catostomus latipinnis*	flannelmouth sucker			
147.5	08-O333	Keller-Bliesner	1250	852	mainstem	3/2/94	*Catostomus commersoni*	white sucker			
147.5	08-O336	Keller-Bliesner	1250	852	mainstem	3/2/94		small fish	>1		
147.5	465-2665	Keller-Bliesner	1300	828	mainstem	9/14/94		small fish	>1		
147.5	465-2666	Keller-Bliesner	1300	828	mainstem	9/14/94	*Catostomus latipinnis*	flannelmouth sucker			
147.5	465-2667	Keller-Bliesner	1300	828	mainstem	9/14/94	*Catostomus discobolus*	bluehead sucker			
147.5	465-2668	Keller-Bliesner	1300	828	mainstem	9/14/94	*Ictalarus punctatus*	channel catfish			
147.5	465-2669	Keller-Bliesner	1300	828	mainstem	9/14/94	*Cyprinus carpio*	common carp			
147.5	465-2670	Keller-Bliesner	1300	828	mainstem	9/14/94	*Cyprinus carpio*	common carp			
148.0	08-O330	Keller-Bliesner	1250	852	mainstem	3/2/94	*Cyprinus carpio*	common carp			
148.5	012-0408F	Keller-Bliesner	2880	2142	mainstem	4/14/92	*Catostomus latipinnis*	flannelmouth sucker	1		
148.5	012-0409F	Keller-Bliesner	2880	2142	mainstem	4/14/92	*Catostomus latipinnis*	flannelmouth sucker	1		
148.5	012-0410F	Keller-Bliesner	2880	2142	mainstem	4/14/92	*Catostomus latipinnis*	flannelmouth sucker	1		
148.5	67-0892F	Keller-Bliesner	4440	2926	mainstem	5/13/91	*Catostomus latipinnis*	flannelmouth sucker	1		

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RIVER REACH MATRIX RIVER MILE	SAMPLE IDENTIF-ICATION CODE	REFERENCE	INSTAN-TANEOUS FLOW	14-DAY LAG FLOW	HABITAT TYPE (as reported)	DATE	TAXONOMY	COMMON NAME	N	AVERAGE LENGTH	AVERAGE WEIGHT
148.5	68-0893F	Keller-Bliesner	4440	2926	mainstem	5/13/91	*Catostomus latipinnis*	flannelmouth sucker	1		
148.5	69-0894F	Keller-Bliesner	4440	2926	mainstem	5/13/91	*Catostomus latipinnis*	flannelmouth sucker	1		
148.5	70-0895F	Keller-Bliesner	4440	2926	mainstem	5/13/91	*Cyprinus carpio*	common carp	1		
148.5	71-0896F	Keller-Bliesner	4440	2926	mainstem	5/13/91	*Cyprinus carpio*	common carp	1		
148.5	72-0897F	Keller-Bliesner	2890	2224	mainstem	5/13/91	*Cyprinus carpio*	common carp	1		
150.0	059-0564F	Keller-Bliesner	978	971	mainstem	2/15/93	*Catostomus latipinnis*	flannelmouth sucker	1	300	
150.0	059-0565F	Keller-Bliesner	978	971	mainstem	2/15/93	*Catostomus latipinnis*	flannelmouth sucker	1	480	
150.0	059-0566F	Keller-Bliesner	978	971	mainstem	2/15/93	*Catostomus latipinnis*	flannelmouth sucker	1	310	
150.0	059-0567F	Keller-Bliesner	978	971	mainstem	2/15/93	*Catostomus discobolus*	bluehead sucker	1	270	
150.0	059-0568F	Keller-Bliesner	978	971	mainstem	2/15/93	*Catostomus discobolus*	bluehead sucker	1	300	
150.0	059-0569F	Keller-Bliesner	978	971	mainstem	2/15/93	*Catostomus discobolus*	bluehead sucker	1	330	
153.0	058-0558F	Keller-Bliesner	955	971	mainstem	2/15/93	*Catostomus latipinnis*	flannelmouth sucker	1	340	
153.0	058-0559F	Keller-Bliesner	955	971	mainstem	2/15/93	*Catostomus latipinnis*	flannelmouth sucker	1	440	
153.0	058-0560F	Keller-Bliesner	955	971	mainstem	2/15/93	*Catostomus latipinnis*	flannelmouth sucker	1	400	
153.0	058-0561F	Keller-Bliesner	955	971	mainstem	2/15/93	*Catostomus discobolus*	bluehead sucker	1	320	
153.0	058-0562F	Keller-Bliesner	955	971	mainstem	2/15/93	*Catostomus discobolus*	bluehead sucker	1	410	
153.0	058-0563F	Keller-Bliesner	955	971	mainstem	2/15/93	*Catostomus discobolus*	bluehead sucker	1	420	
Reach 6 - Sediment											
155	SJSED42A	Thomas et. al., 97	878	920	backwater	8/12/93		sediment			
155	SJSED42B	Thomas et. al., 97	1280	1851	backwater	7/26/94		sediment			
166	SJSED38A	Thomas et. al., 97	878	920	backwater	8/12/93		sediment			
166	SJSED38B	Thomas et. al., 97	1670	2281	backwater	7/21/94		sediment			
Reach 6 - Water											
155	58S1	Keller-Bliesner			mainstem	4/19/94		water			
155	58S10	Keller-Bliesner			mainstem	1/24/95		water			
155	58S11	Keller-Bliesner			mainstem	2/22/95		water			
155	58S12	Keller-Bliesner			mainstem	3/28/95		water			

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RIVER REACH MATRIX RIVER MILE	SAMPLE IDENTIF-ICATION CODE	REFERENCE	INSTAN-TANEOUS FLOW	14-DAY LAG FLOW	HABITAT TYPE (as reported)	DATE	TAXONOMY	COMMON NAME	N	AVERAGE LENGTH	AVERAGE WEIGHT
155	58S2	Keller-Bliesner			mainstem	5/18/94		water			
155	58S3	Keller-Bliesner			mainstem	6/17/94		water			
155	58S4	Keller-Bliesner			mainstem	7/19/94		water			
155	58S5	Keller-Bliesner			mainstem	8/30/94		water			
155	58S6	Keller-Bliesner			mainstem	9/20/94		water			
155	58S7	Keller-Bliesner			mainstem	10/18/94		water			
155	58S8	Keller-Bliesner			mainstem	11/30/94		water			
155	58S9	Keller-Bliesner			mainstem	12/20/94		water			
155	SJWAT42A	Thomas et. al., 97	878		backwater	8/12/93		water			
155	SJWAT42B	Thomas et al97	1280		backwater	7/26/94		water			
166	54S1	Keller-Bliesner			mainstem	4/20/94		water			
166	54S10	Keller-Bliesner			mainstem	1/25/95		water			
166	54S11	Keller-Bliesner			mainstem	2/22/95		water			
166	54S12	Keller-Bliesner			mainstem	3/27/95		water			
166	54S2	Keller-Bliesner			mainstem	5/18/94		water			
166	54S3	Keller-Bliesner			mainstem	6/17/94		water			
166	54S4	Keller-Bliesner			mainstem	7/19/94		water			
166	54S5	Keller-Bliesner			mainstem	8/30/94		water			
166	54S6	Keller-Bliesner			mainstem	9/20/94		water			
166	54S7	Keller-Bliesner			mainstem	10/18/94		water			
166	54S8	Keller-Bliesner			mainstem	12/1/94		water			
166	54S9	Keller-Bliesner			mainstem	12/20/94		water			
166	SJWAT38A	Thomas et al97	878		backwater	8/12/93		water			
166	SJWAT38B	Thomas et al97	1670		backwater	7/21/94		water			
180	43S1	Keller-Bliesner			mainstem	4/20/94		water			
180	43S10	Keller-Bliesner			mainstem	1/25/95		water			
180	43S11	Keller-Bliesner			mainstem	2/23/95		water			

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RIVER REACH MATRIX RIVER MILE	SAMPLE IDENTIF-ICATION CODE	REFERENCE	INSTAN-TANEOUS FLOW	14-DAY LAG FLOW	HABITAT TYPE (as reported)	DATE	TAXONOMY	COMMON NAME	N	AVERAGE LENGTH	AVERAGE WEIGHT
180	43S12	Keller-Bliesner			mainstem	3/27/95		water			
180	43S2	Keller-Bliesner			mainstem	5/19/94		water			
180	43S3	Keller-Bliesner			mainstem	6/17/94		water			
180	43S4	Keller-Bliesner			mainstem	7/19/94		water			
180	43S5	Keller-Bliesner			mainstem	8/30/94		water			
180	43S6	Keller-Bliesner			mainstem	9/20/94		water			
180	43S7	Keller-Bliesner			mainstem	10/19/94		water			
180	43S8	Keller-Bliesner			mainstem	12/1/94		water			
180	43S9	Keller-Bliesner			mainstem	12/21/94		water			
Reach 6 - Submerged Plants											
155.0	525-2266P	Keller-Bliesner	1024	1048	mainstem	11/3/94		periphyton			
166.0	539-2332P	Keller-Bliesner	2750	1937	mainstem	3/13/95		periphyton			
166.0	BEO-0889P	Keller-Bliesner	863	872	mainstem	3/9/96		periphyton			
169.5	524-2263P	Keller-Bliesner	1031	1075	mainstem	11/1/94		periphyton			
169.5	538-2329P	Keller-Bliesner	2640	1937	mainstem	3/13/95		periphyton			
169.5	06-O327	Keller-Bliesner	1070	883	mainstem	3/2/94		periphyton	>1		
172.0	464-2658	Keller-Bliesner	555	826	mainstem	9/13/94		periphyton	>1		
172.0	05-O323	Keller-Bliesner	1070	883	mainstem	3/2/94		periphyton	>1		
180.1	463-2653	Keller-Bliesner	1070	826	mainstem	9/13/94		periphyton	>1		
180.1	SR33PA	Thomas et al 97	892	1851	backwater	7/26/94	*Chlorophyta*	algae			
180.8	SJ32PA2	Thomas et al 97	526	920	backwater	8/12/93	*Chlorophyta*	algae			
180.8	SR32PA	Thomas et al 97	806	1775	backwater	7/27/94	*Chlorophyta*	algae			
Reach 6 - Invertebrates											
155.0	SR33 IB	Thomas et al 97	892	1690	backwater	7/26/94	*Odonata*	mixed Odonata			
166.0	SJ32 IB	Thomas et al 97	526	920	backwater	8/12/93	*Ax spp*	dragonfly larvae			
166.0	SR32 IB	Thomas et al 97	806	1775	backwater	7/27/94	*Ax spp*	dragonfly larvae			
169.5	525-2267I	Keller-Bliesner	1024	1048	mainstem	11/3/94		macroinvertebrates			

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169.5	539-2333I	Keller-Bliesner	2750	1937	mainstem	3/13/95		macroinvertebrates			
169.5	BO-O422	Keller-Bliesner	951	921	mainstem	3/9/94		macroinvertebrates	>1		
172.0	524-2264I	Keller-Bliesner	1031	1075	mainstem	11/1/94		macroinvertebrates			
172.0	538-2330I	Keller-Bliesner	2640	1937	mainstem	3/13/95		macroinvertebrates			
180.1	06-O326	Keller-Bliesner	1070	883	mainstem	3/2/94		macroinvertebrates	>1		
180.1	075-0659M	Keller-Bliesner	4150	2550	mainstem	3/3/93		macroinvertebrates	>1		
180.1	464-2659	Keller-Bliesner	555	826	mainstem	9/13/94		macroinvertebrates	>1		
180.8	05-O322	Keller-Bliesner	1070	883	mainstem	3/2/94		macroinvertebrates	>1		
180.8	463-2654	Keller-Bliesner	555	826	mainstem	9/13/94		macroinvertebrates	>1		
Reach 6 - Whole Body Fish											
155	E1	Blanchard, 90	967	564	mainstem	4/25/90	*Cyprinus carpio*	common carp			
155	E2	Blanchard, 90	1147	1186	mainstem	11/2/90	*Cyprinus carpio*	common carp			
155	E3	Blanchard, 90	967	564	mainstem	4/25/90	*Catostomus latipinnis*	flannelmouth sucker			
155	E4	Blanchard, 90	1147	1186	mainstem	11/2/90	*Catostomus latipinnis*	flannelmouth sucker			
155	E5	Blanchard, 90	967	555	mainstem	4/25/90	*Ictalarus punctatus*	channel catfish			
155	E6	Blanchard, 90	1147	1297	mainstem	11/2/90	*Ictalarus punctatus*	channel catfish			
155	SJ33FFS1	Thomas et al 97	526	920	backwater	8/12/93	*Gambusia affinis*	mosquitofish			
155	SJ33FFS2	Thomas et al 97	526	920	backwater	8/12/93	*Notropis*	fatheads/suckers			
155	SJ33FFS3	Thomas et al 97	526	920	backwater	8/12/93	*Cyprinella lutrensis*	red shiner			
155	SR33FFS	Thomas et al 97	892	1851	backwater	7/26/94	*Gambusia affinis*	mosquitofish			
165.0	139-0677 F	Keller-Bliesner	540	694	mainstem	4/12/94	*Catostomus discobolus*	bluehead sucker			
165.0	139-0677 F	Keller-Bliesner	540	694	mainstem	4/12/94	*Catostomus discobolus*	bluehead sucker			
165.0	139-0677 F	Keller-Bliesner	540	694	mainstem	4/12/94	*Catostomus discobolus*	bluehead sucker			
165.0	140-0678 F	Keller-Bliesner	540	694	mainstem	4/12/94	*Catostomus latipinnis*	flannelmouth sucker			
165.0	140-0678 F	Keller-Bliesner	540	694	mainstem	4/12/94	*Catostomus latipinnis*	flannelmouth sucker			
165.0	140-0678 F	Keller-Bliesner	540	694	mainstem	4/12/94	*Catostomus latipinnis*	flannelmouth sucker			
166.0	138-0676 F	Keller-Bliesner	532	692	mainstem	4/13/94	*Catostomus latipinnis*	flannelmouth sucker			

Appendix C. Sample Information (N = Number in Composite, Average Weight in Grams, Average Length in millimeters [unless N=1], Flows are Cubic Feet per Second) for Aquatic Plants, Invertebrates, Whole Body Fish, Water, and Sediment Samples Collected from the San Juan River Mainstem in New Mexico, Colorado, and Utah, 1990 - 1996.

RIVER REACH MATRIX RIVER MILE	SAMPLE IDENTIF-ICATION CODE	REFERENCE	INSTAN-TANEOUS FLOW	14-DAY LAG FLOW	HABITAT TYPE (as reported)	DATE	TAXONOMY	COMMON NAME	N	AVERAGE LENGTH	AVERAGE WEIGHT
166.0	138-0676 F	Keller-Bliesner	532	692	mainstem	4/13/94	*Catostomus latipinnis*	flannelmouth sucker			
166.0	138-0676 F	Keller-Bliesner	532	692	mainstem	4/13/94	*Catostomus latipinnis*	flannelmouth sucker			
166.0	SJ32FFS1	Thomas et al97	526	920	backwater	8/12/93	*Osteichthyes*	unknown			
166.0	SJ32FFS2	Thomas et al97	526	920	backwater	8/12/93	*Pimephales promelas*	fathead minnow			
166.0	SJ32FFS3	Thomas et al97	526	920	backwater	8/12/93	*Pimephales promelas*	fathead minnow			
166.0	SR32FBF	Thomas et al97	806	1775	backwater	7/27/94	*Catostomus latipinnis*	flannelmouth sucker			
166.0	SR32FFS	Thomas et al97	806	1775	backwater	7/27/94	*Rhinichthys cataractae*	longnose dace			
166.5	132-0670-F	Keller-Bliesner	532	692	mainstem	4/13/94	*Catostomus latipinnis*	flannelmouth sucker			
166.5	132-0670-F	Keller-Bliesner	532	692	mainstem	4/13/94	*Catostomus latipinnis*	flannelmouth sucker			
166.5	132-0670-F	Keller-Bliesner	532	692	mainstem	4/13/94	*Catostomus latipinnis*	flannelmouth sucker			
166.5	133-0671 F	Keller-Bliesner	532	692	mainstem	4/13/94	*Catostomus discobolus*	bluehead sucker			
166.5	133-0671 F	Keller-Bliesner	532	692	mainstem	4/13/94	*Catostomus discobolus*	bluehead sucker			
166.5	133-0671 F	Keller-Bliesner	532	692	mainstem	4/13/94	*Catostomus discobolus*	bluehead sucker			
168.0	134-0672 F	Keller-Bliesner	532	692	mainstem	4/13/94	*Catostomus discobolus*	bluehead sucker			
168.0	134-0672 F	Keller-Bliesner	532	692	mainstem	4/13/94	*Catostomus discobolus*	bluehead sucker			
168.0	134-0672 F	Keller-Bliesner	532	692	mainstem	4/13/94	*Catostomus discobolus*	bluehead sucker			
168.0	135-0673 F	Keller-Bliesner	532	692	mainstem	4/13/94	*Catostomus latipinnis*	flannelmouth sucker			
168.0	135-0673 F	Keller-Bliesner	532	692	mainstem	4/13/94	*Catostomus latipinnis*	flannelmouth sucker			
168.0	135-0673 F	Keller-Bliesner	532	692	mainstem	4/13/94	*Catostomus latipinnis*	flannelmouth sucker			
168.0	136-0674 F	Keller-Bliesner	532	692	mainstem	4/13/94	*Catostomus discobolus*	bluehead sucker			
168.0	136-0674 F	Keller-Bliesner	532	692	mainstem	4/13/94	*Catostomus discobolus*	bluehead sucker			
168.0	136-0674 F	Keller-Bliesner	532	692	mainstem	4/13/94	*Catostomus discobolus*	bluehead sucker			
168.0	137-0675 F	Keller-Bliesner	532	692	mainstem	4/13/94	*Catostomus discobolus*	bluehead sucker			
168.0	137-0675 F	Keller-Bliesner	532	692	mainstem	4/13/94	*Catostomus discobolus*	bluehead sucker			
168.0	137-0675 F	Keller-Bliesner	532	692	mainstem	4/13/94	*Catostomus discobolus*	bluehead sucker			
168.0	59-0884F	Keller-Bliesner	4390	2971	mainstem	5/13/91	*Catostomus latipinnis*	flannelmouth sucker	1		
168.0	60-0885F	Keller-Bliesner	4390	2971	mainstem	5/13/91	*Catostomus discobolus*	bluehead sucker	1		

Appendix C. Sample Information (N = Number in Composite, Average Weight in Grams, Average Length in millimeters [unless N=1], Flows are Cubic Feet per Second) for Aquatic Plants, Invertebrates, Whole Body Fish, Water, and Sediment Samples Collected from the San Juan River Mainstem in New Mexico, Colorado, and Utah, 1990 - 1996.

RIVER REACH MATRIX RIVER MILE	SAMPLE IDENTIF-ICATION CODE	REFERENCE	INSTAN-TANEOUS FLOW	14-DAY LAG FLOW	HABITAT TYPE (as reported)	DATE	TAXONOMY	COMMON NAME	N	AVERAGE LENGTH	AVERAGE WEIGHT
168.0	61-0886F	Keller-Bliesner	4390	2971	mainstem	5/13/91	*Catostomus discobolus*	bluehead sucker	1		
168.0	62-0887F	Keller-Bliesner	4390	2971	mainstem	5/13/91	*Catostomus discobolus*	bluehead sucker	1		
168.0	63-0888F	Keller-Bliesner	4390	2971	mainstem	5/13/91	*Rhinichthys osculus*	speckled dace	1		
168.0	64-0889F	Keller-Bliesner	4390	2971	mainstem	5/13/91	*Rhinichthys osculus*	speckled dace	1		
168.0	65-0890F	Keller-Bliesner	4390	2971	mainstem	5/13/91	*Rhinichthys osculus*	speckled dace	1		
168.0	66-0891F	Keller-Bliesner	4390	2971	mainstem	5/13/91	*Catostomus latipinnis*	flannelmouth sucker	1		
169.5	011-0405F	Keller-Bliesner	2753	1463	mainstem	4/14/92	*Catostomus latipinnis*	flannelmouth sucker	1		
169.5	011-0406F	Keller-Bliesner	2880	1463	mainstem	4/14/92	*Catostomus latipinnis*	flannelmouth sucker	1		
169.5	011-0407F	Keller-Bliesner	2880	1463	mainstem	4/14/92	*Catostomus latipinnis*	flannelmouth sucker	1		
169.5	525-2268F	Keller-Bliesner	1024	1048	mainstem	11/3/94		small fish			
169.5	531-2301F	Keller-Bliesner	1024	1048	mainstem	11/3/94	*Catostomus latipinnis*	flannelmouth sucker			
169.5	531-2302F	Keller-Bliesner	1024	1048	mainstem	11/3/94	*Catostomus latipinnis*	flannelmouth sucker			
169.5	531-2303F	Keller-Bliesner	1024	1048	mainstem	11/3/94	*Catostomus latipinnis*	flannelmouth sucker			
169.5	531-2304F	Keller-Bliesner	1024	1048	mainstem	11/3/94	*Catostomus discobolus*	bluehead sucker			
169.5	531-2305F	Keller-Bliesner	1024	1048	mainstem	11/3/94	*Catostomus discobolus*	bluehead sucker			
169.5	531-2306F	Keller-Bliesner	1024	1048	mainstem	11/3/94	*Catostomus discobolus*	bluehead sucker			
169.5	531-2307F	Keller-Bliesner	1024	1048	mainstem	11/3/94	*Cyprinus carpio*	common carp			
169.5	531-2308F	Keller-Bliesner	1024	1048	mainstem	11/3/94	*Cyprinus carpio*	common carp			
169.5	531-2309F	Keller-Bliesner	1024	1048	mainstem	11/3/94	*Cyprinus carpio*	common carp			
169.5	539-2334F	Keller-Bliesner	2640	1937	mainstem	3/13/95	*Rhinichthys osculus*	speckled dace			
169.5	543-2364F	Keller-Bliesner	2550	2140	mainstem	3/15/95	*Catostomus latipinnis*	flannelmouth sucker			
169.5	543-2365F	Keller-Bliesner	2550	2140	mainstem	3/15/95	*Catostomus latipinnis*	flannelmouth sucker			
169.5	543-2366F	Keller-Bliesner	2550	2140	mainstem	3/15/95	*Catostomus latipinnis*	flannelmouth sucker			
169.5	543-2367F	Keller-Bliesner	2550	2140	mainstem	3/15/95	*Catostomus discobolus*	bluehead sucker			
169.5	543-2368F	Keller-Bliesner	2550	2140	mainstem	3/15/95	*Catostomus discobolus*	bluehead sucker			
169.5	543-2369F	Keller-Bliesner	2550	2140	mainstem	3/15/95	*Catostomus discobolus*	bluehead sucker			
169.5	543-2370F	Keller-Bliesner	2550	2140	mainstem	3/15/95	*Cyprinus carpio*	common carp			

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RIVER REACH MATRIX RIVER MILE	SAMPLE IDENTIF-ICATION CODE	REFERENCE	INSTAN-TANEOUS FLOW	14-DAY LAG FLOW	HABITAT TYPE (as reported)	DATE	TAXONOMY	COMMON NAME	N	AVERAGE LENGTH	AVERAGE WEIGHT
169.5	543-2371F	Keller-Bliesner	2550	2140	mainstem	3/15/95	*Cyprinus carpio*	common carp			
169.5	543-2372F	Keller-Bliesner	2550	2140	mainstem	3/15/95	*Cyprinus carpio*	common carp			
169.5	B0-O411	Keller-Bliesner	951	921	mainstem	3/9/94	*Ictalarus punctatus*	channel catfish			
169.5	B0-O412	Keller-Bliesner	951	921	mainstem	3/9/94	*Catostomus discobolus*	bluehead sucker			
169.5	B0-O413	Keller-Bliesner	951	921	mainstem	3/9/94	*Catostomus latipinnis*	flannelmouth sucker			
170.5	53-0878F	Keller-Bliesner	4390	2971	mainstem	5/13/91	*Catostomus latipinnis*	flannelmouth sucker	1		
170.5	54-0879F	Keller-Bliesner	4390	2971	mainstem	5/13/91	*Catostomus latipinnis*	flannelmouth sucker	1		
170.5	55-0880F	Keller-Bliesner	4390	2971	mainstem	5/13/91	*Catostomus latipinnis*	flannelmouth sucker	1		
170.5	56-0881F	Keller-Bliesner	4390	2971	mainstem	5/13/91	*Catostomus discobolus*	bluehead sucker	1		
170.5	57-0882F	Keller-Bliesner	4390	2971	mainstem	5/13/91	*Catostomus discobolus*	bluehead sucker	1		
170.5	58-0883F	Keller-Bliesner	4390	2971	mainstem	5/13/91	*Catostomus discobolus*	bluehead sucker	1		
172.0	010-0399F	Keller-Bliesner	4390	1875	mainstem	4/17/92	*Catostomus latipinnis*	flannelmouth sucker	1		
172.0	010-0400F	Keller-Bliesner	4390	1875	mainstem	4/17/92	*Catostomus latipinnis*	flannelmouth sucker	1		
172.0	010-0401F	Keller-Bliesner	4390	1875	mainstem	4/17/92	*Catostomus latipinnis*	flannelmouth sucker	1		
172.0	010-0402F	Keller-Bliesner	4390	1875	mainstem	4/17/92	*Catostomus discobolus*	bluehead sucker	1		
172.0	010-0403F	Keller-Bliesner	4390	1875	mainstem	4/17/92	*Catostomus discobolus*	bluehead sucker	1		
172.0	010-0404F	Keller-Bliesner	4390	1875	mainstem	4/17/92	*Catostomus discobolus*	bluehead sucker	1		
172.0	524-2265F	Keller-Bliesner	1031	1075	mainstem	11/1/94		small fish			
172.0	530-2292F	Keller-Bliesner	1031	1075	mainstem	11/1/94	*Catostomus latipinnis*	flannelmouth sucker			
172.0	530-2293F	Keller-Bliesner	1031	1075	mainstem	11/1/94	*Catostomus latipinnis*	flannelmouth sucker			
172.0	530-2294F	Keller-Bliesner	1031	1075	mainstem	11/1/94	*Catostomus latipinnis*	flannelmouth sucker			
172.0	530-2295F	Keller-Bliesner	1031	1075	mainstem	11/1/94	*Catostomus discobolus*	bluehead sucker			
172.0	530-2296F	Keller-Bliesner	1031	1075	mainstem	11/1/94	*Catostomus discobolus*	bluehead sucker			
172.0	530-2297F	Keller-Bliesner	1031	1075	mainstem	11/1/94	*Catostomus discobolus*	bluehead sucker			
172.0	530-2298F	Keller-Bliesner	1031	1075	mainstem	11/1/94	*Cyprinus carpio*	common carp			
172.0	530-2299F	Keller-Bliesner	1031	1075	mainstem	11/1/94	*Cyprinus carpio*	common carp			
172.0	530-2300F	Keller-Bliesner	1031	1075	mainstem	11/1/94	*Cyprinus carpio*	common carp			

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RIVER REACH MATRIX RIVER MILE	SAMPLE IDENTIF-ICATION CODE	REFERENCE	INSTAN-TANEOUS FLOW	14-DAY LAG FLOW	HABITAT TYPE (as reported)	DATE	TAXONOMY	COMMON NAME	N	AVERAGE LENGTH	AVERAGE WEIGHT
172.0	538-2331F	Keller-Bliesner	2640	1937	mainstem	3/13/95	*Rhinichthys osculus*	speckled dace			
172.0	542-2355F	Keller-Bliesner	2550	2140	mainstem	3/15/95	*Catostomus latipinnis*	flannelmouth sucker			
172.0	542-2356F	Keller-Bliesner	2550	2140	mainstem	3/15/95	*Catostomus latipinnis*	flannelmouth sucker			
172.0	542-2357F	Keller-Bliesner	2550	2140	mainstem	3/15/95	*Catostomus latipinnis*	flannelmouth sucker			
172.0	542-2358F	Keller-Bliesner	2550	2140	mainstem	3/15/95	*Catostomus discobolus*	bluehead sucker			
172.0	542-2359F	Keller-Bliesner	2550	2140	mainstem	3/15/95	*Catostomus discobolus*	bluehead sucker			
172.0	542-2360F	Keller-Bliesner	2670	2140	mainstem	3/15/95	*Catostomus discobolus*	bluehead sucker			
172.0	542-2361F	Keller-Bliesner	2550	2140	mainstem	3/15/95	*Cyprinus carpio*	common carp			
172.0	542-2361F	Keller-Bliesner	2550	2140	mainstem	3/15/95	*Rhinichthys osculus*	speckled dace			
172.0	542-2361F	Keller-Bliesner	2550	2140	mainstem	3/15/95	*Rhinichthys osculus*	speckled dace			
172.0	542-2362F	Keller-Bliesner	2550	2140	mainstem	3/15/95	*Cyprinus carpio*	common carp			
172.0	542-2363F	Keller-Bliesner	2550	2140	mainstem	3/15/95	*Cyprinus carpio*	common carp			
172.0	D1	Blanchard, 90	652	559	mainstem	4/24/90	*Cyprinus carpio*	common carp			
172.0	D2	Blanchard, 90	1094	1127	mainstem	11/8/90	*Cyprinus carpio*	common carp			
172.0	D3	Blanchard, 90	652	559	mainstem	4/24/90	*Catostomus latipinnis*	flannelmouth sucker			
172.0	D4	Blanchard, 90	1094	1127	mainstem	11/8/90	*Catostomus latipinnis*	flannelmouth sucker			
178.0	47-0872F	Keller-Bliesner	4390	2971	mainstem	5/13/91	*Catostomus latipinnis*	flannelmouth sucker	1		
178.0	48-0873F	Keller-Bliesner	4390	2971	mainstem	5/13/91	*Catostomus latipinnis*	flannelmouth sucker	1		
178.0	49-0874F	Keller-Bliesner	4390	2971	mainstem	5/13/91	*Catostomus latipinnis*	flannelmouth sucker	1		
178.0	50-0875F	Keller-Bliesner	4390	2971	mainstem	5/13/91	*Catostomus discobolus*	bluehead sucker	1		
178.0	51-0876F	Keller-Bliesner	4390	2971	mainstem	5/13/91	*Catostomus discobolus*	bluehead sucker	1		
178.0	52-0877F	Keller-Bliesner	4390	2971	mainstem	5/13/91	*Catostomus discobolus*	bluehead sucker	1		
180	C1	Blanchard, 90	633	524	mainstem	4/19/90	*Cyprinus carpio*	common carp			
180	C2	Blanchard, 90	1270	1151	mainstem	11/4/90	*Cyprinus carpio*	common carp			
180	C3	Blanchard, 90	633	524	mainstem	4/19/90	*Catostomus latipinnis*	flannelmouth sucker			
180	C4	Blanchard, 90	1270	1151	mainstem	11/4/90	*Catostomus latipinnis*	flannelmouth sucker			
180	C5	Blanchard, 90	633	524	mainstem	4/19/90	*Salmo trutta*	brown trout			

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RIVER REACH MATRIX RIVER MILE	SAMPLE IDENTIF-ICATION CODE	REFERENCE	INSTAN-TANEOUS FLOW	14-DAY LAG FLOW	HABITAT TYPE (as reported)	DATE	TAXONOMY	COMMON NAME	N	AVERAGE LENGTH	AVERAGE WEIGHT
180.1	05-O316	Keller-Bliesner	1150	857	mainstem	3/1/94	*Catostomus latipinnis*	flannelmouth sucker			
180.1	05-O317	Keller-Bliesner	1150	857	mainstem	3/1/94	*Catostomus latipinnis*	flannelmouth sucker			
180.1	06-O325	Keller-Bliesner	1070	883	mainstem	3/2/94		small fish	>1		
180.1	464-2660	Keller-Bliesner	1070	826	mainstem	9/13/94		small fish	>1		
180.1	464-2661	Keller-Bliesner	1070	826	mainstem	9/13/94	*Catostomus latipinnis*	flannelmouth sucker			
180.1	464-2662	Keller-Bliesner	1070	826	mainstem	9/13/94	*Catostomus discobolus*	bluehead sucker			
180.5	057-0552F	Keller-Bliesner	1440	1182	mainstem	2/18/93	*Catostomus latipinnis*	flannelmouth sucker	1	310	
180.5	057-0553F	Keller-Bliesner	1440	1182	mainstem	2/18/93	*Catostomus latipinnis*	flannelmouth sucker	1	370	
180.5	057-0554F	Keller-Bliesner	1440	1182	mainstem	2/18/93	*Catostomus latipinnis*	flannelmouth sucker	1	460	
180.5	057-0555F	Keller-Bliesner	1440	1182	mainstem	2/18/93	*Catostomus discobolus*	bluehead sucker	1	410	
180.5	057-0556F	Keller-Bliesner	1440	1182	mainstem	2/18/93	*Catostomus discobolus*	bluehead sucker	1	370	
180.5	057-0557F	Keller-Bliesner	1440	1182	mainstem	2/18/93	*Catostomus discobolus*	bluehead sucker	1	380	
180.8	05-O318	Keller-Bliesner	1070	857	mainstem	3/2/94	*Catostomus latipinnis*	flannelmouth sucker			
180.8	05-O319	Keller-Bliesner	1070	857	mainstem	3/2/94	*Catostomus discobolus*	bluehead sucker			
180.8	05-O320	Keller-Bliesner	1070	857	mainstem	3/2/94		small fish	>1		
180.8	05-O321	Keller-Bliesner	1070	857	mainstem	3/2/94		small fish	>1		
180.8	05-O324	Keller-Bliesner	1070	883	mainstem	3/2/94	*Oncorhynchus mykiss*	rainbow trout			
180.8	463-2655	Keller-Bliesner	1070	826	mainstem	9/13/94		small fish	>1		
180.8	463-2656	Keller-Bliesner	1070	826	mainstem	9/13/94	*Catostomus latipinnis*	flannelmouth sucker			
180.8	463-2657	Keller-Bliesner	1070	826	mainstem	9/13/94	*Catostomus discobolus*	bluehead sucker			
182	SJWBF01	Wilson et al 95	1720	1511	mainstem	8/21/95	*Catostomus latipinnis*	flannelmouth sucker	5	510.4	1352.20
182	SJWBF02	Wilson et al 95	1720	1511	mainstem	8/21/95	*Catostomus latipinnis*	flannelmouth sucker	5	467.2	1149.80
182	SJWBF03	Wilson et al 95	1720	1511	mainstem	8/21/95	*Catostomus latipinnis*	flannelmouth sucker	3	220	105.70
182	SJWBF04	Wilson et al 95	1720	1511	mainstem	8/21/95	*Rhinichthys osculus*	speckled dace	15	89.1	9.70
182	SJWBF05	Wilson et al 95	1720	1511	mainstem	8/21/95	*Rhinichthys osculus*	speckled dace	15	89.1	9.70
182	SJWBF06	Wilson et al 95	1720	1511	mainstem	8/21/95	*Catostomus latipinnis*	flannelmouth sucker	5	520.4	1598.80
182	SJWBF07	Wilson et al 95	1720	1511	mainstem	8/21/95	*Catostomus latipinnis*	flannelmouth sucker	5	463.2	1058.00

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182	SJWBF08	Wilson et al 95	1720	1511	mainstem	8/21/95	*Rhinichthys osculus*	speckled dace	6	89.1	7.40
Reach 7 - Water											
196	19S1	Keller-Bliesner			mainstem	4/20/94		water			
196	19S10	Keller-Bliesner			mainstem	8/29/94		water			
196	19S11	Keller-Bliesner			mainstem	9/19/94		water			
196	19S12	Keller-Bliesner			mainstem	9/19/94		water			
196	19S13	Keller-Bliesner			mainstem	10/17/94		water			
196	19S14	Keller-Bliesner			mainstem	10/17/94		water			
196	19S15	Keller-Bliesner			mainstem	11/29/94		water			
196	19S16	Keller-Bliesner			mainstem	11/29/94		water			
196	19S17	Keller-Bliesner			mainstem	12/19/94		water			
196	19S18	Keller-Bliesner			mainstem	12/19/94		water			
196	19S19	Keller-Bliesner			mainstem	1/23/95		water			
196	19S2	Keller-Bliesner			mainstem	4/20/94		water			
196	19S20	Keller-Bliesner			mainstem	1/23/95		water			
196	19S21	Keller-Bliesner			mainstem	2/21/95		water			
196	19S22	Keller-Bliesner			mainstem	2/21/95		water			
196	19S23	Keller-Bliesner			mainstem	3/27/95		water			
196	19S24	Keller-Bliesner			mainstem	3/27/95		water			
196	19S3	Keller-Bliesner			mainstem	5/16/94		water			
196	19S4	Keller-Bliesner			mainstem	5/16/94		water			
196	19S5	Keller-Bliesner			mainstem	6/13/94		water			
196	19S6	Keller-Bliesner			mainstem	6/13/94		water			
196	19S7	Keller-Bliesner			mainstem	7/18/94		water			
196	19S8	Keller-Bliesner			mainstem	7/18/94		water			
196	19S9	Keller-Bliesner			mainstem	8/29/94		water			
207	10S1	Keller-Bliesner			mainstem	4/20/94		water			

Appendix C. Sample Information (N = Number in Composite, Average Weight in Grams, Average Length in millimeters [unless N=1], Flows are Cubic Feet per Second) for Aquatic Plants, Invertebrates, Whole Body Fish, Water, and Sediment Samples Collected from the San Juan River Mainstem in New Mexico, Colorado, and Utah, 1990 - 1996.

RIVER REACH MATRIX RIVER MILE	SAMPLE IDENTIF-ICATION CODE	REFERENCE	INSTAN-TANEOUS FLOW	14-DAY LAG FLOW	HABITAT TYPE (as reported)	DATE	TAXONOMY	COMMON NAME	N	AVERAGE LENGTH	AVERAGE WEIGHT
207	10S10	Keller-Bliesner			mainstem	1/23/95		water			
207	10S11	Keller-Bliesner			mainstem	2/21/95		water			
207	10S12	Keller-Bliesner			mainstem	3/27/95		water			
207	10S2	Keller-Bliesner			mainstem	5/16/94		water			
207	10S3	Keller-Bliesner			mainstem	6/13/94		water			
207	10S4	Keller-Bliesner			mainstem	7/18/94		water			
207	10S5	Keller-Bliesner			mainstem	8/29/94		water			
207	10S6	Keller-Bliesner			mainstem	9/19/94		water			
207	10S7	Keller-Bliesner			mainstem	10/17/94		water			
207	10S8	Keller-Bliesner			mainstem	11/29/94		water			
207	10S9	Keller-Bliesner			mainstem	12/19/94		water			
207	26S1	Keller-Bliesner			mainstem	4/20/94		water			
207	26S10	Keller-Bliesner			mainstem	1/23/95		water			
207	26S11	Keller-Bliesner			mainstem	2/21/95		water			
207	26S12	Keller-Bliesner			mainstem	3/27/95		water			
207	26S2	Keller-Bliesner			mainstem	5/16/94		water			
207	26S3	Keller-Bliesner			mainstem	6/13/94		water			
207	26S4	Keller-Bliesner			mainstem	7/18/94		water			
207	26S5	Keller-Bliesner			mainstem	8/29/94		water			
207	26S6	Keller-Bliesner			mainstem	9/19/94		water			
207	26S7	Keller-Bliesner			mainstem	10/17/94		water			
207	26S8	Keller-Bliesner			mainstem	11/29/94		water			
207	26S9	Keller-Bliesner			mainstem	12/19/94		water			
Reach 7 - Submerged Plants											
187.0	523-2260P	Keller-Bliesner	555	620	mainstem	9/13/94		periphyton			
187.0	537-2326P	Keller-Bliesner	523	1115	mainstem	3/15/95		periphyton			
187.0	BEG-0887P	Keller-Bliesner	616	508	mainstem	3/10/96		periphyton			

Appendix C. Sample Information (N = Number in Composite, Average Weight in Grams, Average Length in millimeters [unless N=1], Flows are Cubic Feet per Second) for Aquatic Plants, Invertebrates, Whole Body Fish, Water, and Sediment Samples Collected from the San Juan River Mainstem in New Mexico, Colorado, and Utah, 1990 - 1996.

RIVER REACH MATRIX RIVER MILE	SAMPLE IDENTIF-ICATION CODE	REFERENCE	INSTAN-TANEOUS FLOW	14-DAY LAG FLOW	HABITAT TYPE (as reported)	DATE	TAXONOMY	COMMON NAME	N	AVERAGE LENGTH	AVERAGE WEIGHT
188.0	522-2257P	Keller-Bliesner	555	620	mainstem	9/13/94		periphyton			
188.0	536-2323P	Keller-Bliesner	1741	900	mainstem	3/13/95		periphyton			
195.6	04-O313	Keller-Bliesner	543	535	mainstem	3/1/94		periphyton	>1		
195.6	462-2646	Keller-Bliesner	555	620	mainstem	9/13/94		periphyton	>1		
207.0	03-O306	Keller-Bliesner	543	535	mainstem	3/1/94		periphyton	>1		
207.0	461-2639	Keller-Bliesner	555	620	mainstem	9/13/94		periphyton	>1		
207.0	535-2321P	Keller-Bliesner	535	510	mainstem	3/6/95		periphyton			
Reach 7 - Invertebrates											
187.0	075-0658M	Keller-Bliesner	1105	533	mainstem	2/18/93		macroinvertebrates	>1		
187.0	537-2327I	Keller-Bliesner	523	1115	mainstem	3/15/95		macroinvertebrates			
187.0	BEG-0887I	Keller-Bliesner	616	508	mainstem	3/10/96		macroinvertebrates			
187.0	BG-O420	Keller-Bliesner	479	538	mainstem	3/7/94		macroinvertebrates	>1		
187.0	BG-O421	Keller-Bliesner	479	538	mainstem	3/7/94		macroinvertebrates	>1		
188.0	522-2258I	Keller-Bliesner	555	620	mainstem	9/13/94		macroinvertebratess			
188.0	536-2324I	Keller-Bliesner	1741	900	mainstem	3/13/95		macroinvertebrates			
188.0	AG-O416	Keller-Bliesner	479	538	mainstem	3/7/94		macroinvertebrates	>1		
188.0	AG-O417	Keller-Bliesner	479	538	mainstem	3/7/94		macroinvertebrates	>1		
189.5	075-0656M	Keller-Bliesner	1105	533	mainstem	2/18/93		macroinvertebrates	>1		
194.0	075-0655M	Keller-Bliesner	1066	538	mainstem	2/16/93		macroinvertebrates	>1		
195.6	04-O314	Keller-Bliesner	543	535	mainstem	3/1/94		macroinvertebrates	>1		
195.6	462-2647	Keller-Bliesner	555	620	mainstem	9/13/94		macroinvertebrates	>1		
196.5	075-0657M	Keller-Bliesner	1105	533	mainstem	2/18/93		macroinvertebrates	>1		
205.0	075-0654M	Keller-Bliesner	529	538	mainstem	2/16/93		macroinvertebrates	>1		
207.0	03-O308	Keller-Bliesner	543	535	mainstem	3/1/94		macroinvertebrates	>1		
207.0	461-2640	Keller-Bliesner	555	620	mainstem	9/13/94		macroinvertebrates	>1		
207.0	535-2320I	Keller-Bliesner	535	510	mainstem	3/6/95		macroinvertebrates			
209.0	075-0653M	Keller-Bliesner	529	535	mainstem	2/17/93		macroinvertebrates	>1		

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RIVER REACH MATRIX RIVER MILE	SAMPLE IDENTIF-ICATION CODE	REFERENCE	INSTAN-TANEOUS FLOW	14-DAY LAG FLOW	HABITAT TYPE (as reported)	DATE	TAXONOMY	COMMON NAME	N	AVERAGE LENGTH	AVERAGE WEIGHT
Reach 7 - Whole Body Fish											
182.5	41-0866F	Keller-Bliesner	2890	2224	mainstem	5/13/91	*Catostomus discobolus*	bluehead sucker	1		
182.5	42-0867F	Keller-Bliesner	2890	2224	mainstem	5/13/91	*Catostomus discobolus*	bluehead sucker	1		
182.5	43-0868F	Keller-Bliesner	2890	2224	mainstem	5/13/91	*Catostomus discobolus*	bluehead sucker	1		
182.5	44-0869F	Keller-Bliesner	2890	2224	mainstem	5/13/91	*Catostomus latipinnis*	flannelmouth sucker	1		
182.5	45-0870F	Keller-Bliesner	2890	2224	mainstem	5/13/91	*Catostomus latipinnis*	flannelmouth sucker	1		
182.5	46-0871F	Keller-Bliesner	2890	2224	mainstem	5/13/91	*Catostomus latipinnis*	flannelmouth sucker	1		
184.0	35-0860F	Keller-Bliesner	2890	2224	mainstem	5/13/91	*Pimephales promelas*	fathead minnow	1		
184.0	36-0861F	Keller-Bliesner	2890	2224	mainstem	5/13/91	*Pimephales promelas*	fathead minnow	1		
184.0	37-0862F	Keller-Bliesner	2890	2224	mainstem	5/13/91	*Pimephales promelas*	fathead minnow	1		
184.0	38-0863F	Keller-Bliesner	2890	2224	mainstem	5/13/91	*Rhinichthys osculus*	speckled dace	1		
184.0	39-0864F	Keller-Bliesner	2890	2224	mainstem	5/13/91	*Rhinichthys osculus*	speckled dace	1		
184.0	40-0865F	Keller-Bliesner	2890	2224	mainstem	5/13/91	*Rhinichthys osculus*	speckled dace	1		
186.0	33-0858F	Keller-Bliesner	2890	2224	mainstem	5/13/91	*Catostomus discobolus*	bluehead sucker	1		
186.0	34-0859F	Keller-Bliesner	2890	2224	mainstem	5/13/91	*Catostomus discobolus*	bluehead sucker	1		
187.0	009-0393F	Keller-Bliesner	2630	876	mainstem	4/16/92	*Catostomus latipinnis*	flannelmouth sucker	1		
187.0	009-0394F	Keller-Bliesner	2630	876	mainstem	4/16/92	*Catostomus latipinnis*	flannelmouth sucker	1		
187.0	009-0395F	Keller-Bliesner	2630	876	mainstem	4/16/92	*Catostomus latipinnis*	flannelmouth sucker	1		
187.0	009-0396F	Keller-Bliesner	2630	876	mainstem	4/16/92	*Catostomus discobolus*	bluehead sucker	1		
187.0	009-0397F	Keller-Bliesner	2630	876	mainstem	4/16/92	*Catostomus discobolus*	bluehead sucker	1		
187.0	009-0398F	Keller-Bliesner	2630	876	mainstem	4/16/92	*Catostomus discobolus*	bluehead sucker	1		
187.0	056-0546F	Keller-Bliesner	529	533	mainstem	2/18/93	*Catostomus latipinnis*	flannelmouth sucker	1	270	
187.0	056-0547F	Keller-Bliesner	529	533	mainstem	2/18/93	*Catostomus latipinnis*	flannelmouth sucker	1	270	
187.0	056-0548F	Keller-Bliesner	529	533	mainstem	2/18/93	*Catostomus latipinnis*	flannelmouth sucker	1	450	
187.0	056-0549F	Keller-Bliesner	529	533	mainstem	2/18/93	*Catostomus discobolus*	bluehead sucker	1	400	
187.0	056-0550F	Keller-Bliesner	529	533	mainstem	2/18/93	*Catostomus discobolus*	bluehead sucker	1	360	
187.0	056-0551F	Keller-Bliesner	529	533	mainstem	2/18/93	*Catostomus discobolus*	bluehead sucker	1	440	

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RIVER REACH MATRIX RIVER MILE	SAMPLE IDENTIF-ICATION CODE	REFERENCE	INSTAN-TANEOUS FLOW	14-DAY LAG FLOW	HABITAT TYPE (as reported)	DATE	TAXONOMY	COMMON NAME	N	AVERAGE LENGTH	AVERAGE WEIGHT
187.0	27-0852F	Keller-Bliesner	2890	2224	mainstem	5/13/91	*Catostomus latipinnis*	flannelmouth sucker	1		
187.0	28-0853F	Keller-Bliesner	2890	2224	mainstem	5/13/91	*Catostomus latipinnis*	flannelmouth sucker	1		
187.0	29-0854F	Keller-Bliesner	2890	2224	mainstem	5/13/91	*Catostomus latipinnis*	flannelmouth sucker	1		
187.0	30-0855F	Keller-Bliesner	2890	2224	mainstem	5/13/91	*Catostomus discobolus*	bluehead sucker	1		
187.0	31-0856F	Keller-Bliesner	2890	2224	mainstem	5/13/91	*Catostomus discobolus*	bluehead sucker	1		
187.0	32-0857F	Keller-Bliesner	2890	2224	mainstem	5/13/91	*Catostomus discobolus*	bluehead sucker	1		
187.0	523-2262F	Keller-Bliesner	555	620	mainstem	9/13/94		small fish			
187.0	529-2283F	Keller-Bliesner	514	604	mainstem	10/4/94	*Catostomus latipinnis*	flannelmouth sucker			
187.0	529-2284F	Keller-Bliesner	514	604	mainstem	10/4/94	*Catostomus latipinnis*	flannelmouth sucker			
187.0	529-2285F	Keller-Bliesner	514	604	mainstem	10/4/94	*Catostomus latipinnis*	flannelmouth sucker			
187.0	529-2286F	Keller-Bliesner	514	604	mainstem	10/4/94	*Catostomus discobolus*	bluehead sucker			
187.0	529-2287F	Keller-Bliesner	514	604	mainstem	10/4/94	*Catostomus discobolus*	bluehead sucker			
187.0	529-2288F	Keller-Bliesner	514	604	mainstem	10/4/94	*Catostomus discobolus*	bluehead sucker			
187.0	529-2289F	Keller-Bliesner	514	604	mainstem	10/4/94	*Cyprinus carpio*	common carp			
187.0	529-2290F	Keller-Bliesner	514	604	mainstem	10/4/94	*Cyprinus carpio*	common carp			
187.0	529-2291F	Keller-Bliesner	514	604	mainstem	10/4/94	*Cyprinus carpio*	common carp			
187.0	537-2328F	Keller-Bliesner	2020	1115	mainstem	3/15/95	*Rhinichthys osculus*	speckled dace			
187.0	541-2343F	Keller-Bliesner	2550	1115	mainstem	3/15/95	*Catostomus latipinnis*	flannelmouth sucker			
187.0	541-2344F	Keller-Bliesner	2020	1115	mainstem	3/15/95	*Catostomus latipinnis*	flannelmouth sucker			
187.0	541-2345F	Keller-Bliesner	2020	1115	mainstem	3/15/95	*Catostomus latipinnis*	flannelmouth sucker			
187.0	541-2346F	Keller-Bliesner	2020	1115	mainstem	3/15/95	*Catostomus discobolus*	bluehead sucker			
187.0	541-2347F	Keller-Bliesner	2020	1115	mainstem	3/15/95	*Catostomus discobolus*	bluehead sucker			
187.0	541-2348F	Keller-Bliesner	2020	1115	mainstem	3/15/95	*Catostomus discobolus*	bluehead sucker			
187.0	541-2349F	Keller-Bliesner	2020	1115	mainstem	3/15/95	*Cyprinus carpio*	common carp			
187.0	541-2350F	Keller-Bliesner	2020	1115	mainstem	3/15/95	*Cyprinus carpio*	common carp			
187.0	541-2351F	Keller-Bliesner	2020	1115	mainstem	3/15/95	*Cyprinus carpio*	common carp			
187.0	541-2352F	Keller-Bliesner	2020	1115	mainstem	3/15/95	*Salmo trutta*	brown trout			

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RIVER REACH MATRIX RIVER MILE	SAMPLE IDENTIF-ICATION CODE	REFERENCE	INSTAN-TANEOUS FLOW	14-DAY LAG FLOW	HABITAT TYPE (as reported)	DATE	TAXONOMY	COMMON NAME	N	AVERAGE LENGTH	AVERAGE WEIGHT
187.0	541-2353F	Keller-Bliesner	2020	1115	mainstem	3/15/95	*Salmo trutta*	brown trout			
187.0	541-2354F	Keller-Bliesner	2020	1115	mainstem	3/15/95	*Salmo trutta*	brown trout			
187.0	BG-O418	Keller-Bliesner	479	538	mainstem	3/7/94	*Catostomus latipinnis*	flannelmouth sucker			
187.0	BG-O419	Keller-Bliesner	479	538	mainstem	3/7/94	*Catostomus discobolus*	bluehead sucker			
188.0	522-2259F	Keller-Bliesner	555	620	mainstem	9/13/94		small fish			
188.0	528-2277F	Keller-Bliesner	514	604	mainstem	10/4/94	*Catostomus latipinnis*	flannelmouth sucker			
188.0	528-2278F	Keller-Bliesner	514	604	mainstem	10/4/94	*Catostomus latipinnis*	flannelmouth sucker			
188.0	528-2279F	Keller-Bliesner	514	604	mainstem	10/4/94	*Catostomus latipinnis*	flannelmouth sucker			
188.0	528-2280F	Keller-Bliesner	514	604	mainstem	10/4/94	*Catostomus discobolus*	bluehead sucker			
188.0	528-2281F	Keller-Bliesner	514	604	mainstem	10/4/94	*Catostomus discobolus*	bluehead sucker			
188.0	528-2282F	Keller-Bliesner	514	604	mainstem	10/4/94	*Catostomus discobolus*	bluehead sucker			
188.0	536-2325F	Keller-Bliesner	2020	1115	mainstem	3/13/95	*Rhinichthys osculus*	speckled dace			
188.0	540-2335F	Keller-Bliesner	2030	1007	mainstem	3/14/95	*Catostomus latipinnis*	flannelmouth sucker			
188.0	540-2336F	Keller-Bliesner	2030	1007	mainstem	3/14/95	*Catostomus latipinnis*	flannelmouth sucker			
188.0	540-2337F	Keller-Bliesner	2030	1007	mainstem	3/14/95	*Catostomus latipinnis*	flannelmouth sucker			
188.0	540-2338F	Keller-Bliesner	2030	1007	mainstem	3/14/95	*Catostomus discobolus*	bluehead sucker			
188.0	540-2339F	Keller-Bliesner	2030	1007	mainstem	3/14/95	*Catostomus discobolus*	bluehead sucker			
188.0	540-2340F	Keller-Bliesner	2030	1007	mainstem	3/14/95	*Catostomus discobolus*	bluehead sucker			
188.0	540-2341F	Keller-Bliesner	2030	1007	mainstem	3/14/95	*Cyprinus carpio*	common carp			
188.0	540-2342F	Keller-Bliesner	2030	1007	mainstem	3/14/95	*Cyprinus carpio*	common carp			
188.0	AG-O414	Keller-Bliesner	479	538	mainstem	3/7/94	*Catostomus discobolus*	bluehead sucker			
188.0	AG-O415	Keller-Bliesner	479	538	mainstem	3/7/94	*Catostomus latipinnis*	flannelmouth sucker			
189.5	008-0387F	Keller-Bliesner	2630	876	mainstem	4/16/92	*Catostomus latipinnis*	flannelmouth sucker	1		
189.5	008-0388F	Keller-Bliesner	2630	876	mainstem	4/16/92	*Catostomus latipinnis*	flannelmouth sucker	1		
189.5	008-0389F	Keller-Bliesner	2630	876	mainstem	4/16/92	*Catostomus latipinnis*	flannelmouth sucker	1		
189.5	008-0390F	Keller-Bliesner	2630	876	mainstem	4/16/92	*Catostomus discobolus*	bluehead sucker	1		
189.5	008-0391F	Keller-Bliesner	2630	876	mainstem	4/16/92	*Catostomus discobolus*	bluehead sucker	1		

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RIVER REACH MATRIX RIVER MILE	SAMPLE IDENTIF-ICATION CODE	REFERENCE	INSTAN-TANEOUS FLOW	14-DAY LAG FLOW	HABITAT TYPE (as reported)	DATE	TAXONOMY	COMMON NAME	N	AVERAGE LENGTH	AVERAGE WEIGHT
189.5	008-0392F	Keller-Bliesner	2630	876	mainstem	4/16/92	*Catostomus discobolus*	bluehead sucker	1		
191.5	054-0531F	Keller-Bliesner	529	533	mainstem	2/18/93	*Catostomus latipinnis*	flannelmouth sucker	1	470	
191.5	054-0532F	Keller-Bliesner	529	533	mainstem	2/18/93	*Catostomus latipinnis*	flannelmouth sucker	1	450	
191.5	054-0533F	Keller-Bliesner	529	533	mainstem	2/18/93	*Catostomus latipinnis*	flannelmouth sucker	1	440	
191.5	054-0534F	Keller-Bliesner	529	533	mainstem	2/18/93	*Catostomus discobolus*	bluehead sucker	1	390	
191.5	054-0535F	Keller-Bliesner	529	533	mainstem	2/18/93	*Catostomus discobolus*	bluehead sucker	1	250	
191.5	054-0536F	Keller-Bliesner	529	533	mainstem	2/18/93	*Catostomus discobolus*	bluehead sucker	1	400	
191.5	21-0846F	Keller-Bliesner	2890	2224	mainstem	5/13/91	*Catostomus latipinnis*	flannelmouth sucker	1		
191.5	22-0847F	Keller-Bliesner	2890	2224	mainstem	5/13/91	*Catostomus latipinnis*	flannelmouth sucker	1		
191.5	23-0848F	Keller-Bliesner	2890	2224	mainstem	5/13/91	*Catostomus latipinnis*	flannelmouth sucker	1		
191.5	24-0849F	Keller-Bliesner	2890	2224	mainstem	5/13/91	*Catostomus discobolus*	bluehead sucker	1		
191.5	25-0850F	Keller-Bliesner	2890	2224	mainstem	5/13/91	*Catostomus discobolus*	bluehead sucker	1		
191.5	26-0851F	Keller-Bliesner	2890	2224	mainstem	5/13/91	*Catostomus discobolus*	bluehead sucker	1		
194.0	007-0384F	Keller-Bliesner	2630	876	mainstem	4/16/92	*Catostomus latipinnis*	flannelmouth sucker	1		
194.0	007-0385F	Keller-Bliesner	2630	876	mainstem	4/16/92	*Catostomus latipinnis*	flannelmouth sucker	1		
194.0	007-0386F	Keller-Bliesner	2630	876	mainstem	4/16/92	*Catostomus latipinnis*	flannelmouth sucker	1		
195.0	053-0525F	Keller-Bliesner	529	538	mainstem	2/16/93	*Catostomus latipinnis*	flannelmouth sucker	1	410	
195.0	053-0526F	Keller-Bliesner	529	538	mainstem	2/16/93	*Catostomus latipinnis*	flannelmouth sucker	1	430	
195.0	053-0527F	Keller-Bliesner	529	538	mainstem	2/16/93	*Catostomus latipinnis*	flannelmouth sucker	1	420	
195.0	053-0528F	Keller-Bliesner	529	538	mainstem	2/16/93	*Catostomus discobolus*	bluehead sucker	1	380	
195.0	053-0529F	Keller-Bliesner	529	538	mainstem	2/16/93	*Catostomus discobolus*	bluehead sucker	1	380	
195.0	053-0530F	Keller-Bliesner	529	538	mainstem	2/16/93	*Catostomus discobolus*	bluehead sucker	1	390	
195.6	04-O310	Keller-Bliesner	543	535	mainstem	3/1/94	*Catostomus latipinnis*	flannelmouth sucker			
195.6	04-O311	Keller-Bliesner	543	535	mainstem	3/1/94	*Cyprinus carpio*	common carp			
195.6	04-O312	Keller-Bliesner	543	535	mainstem	3/1/94	*Oncorhynchus mykiss*	rainbow trout			
195.6	04-O315	Keller-Bliesner	543	535	mainstem	3/1/94		small fish	>1		
195.6	462-2648	Keller-Bliesner	612	620	mainstem	9/13/94		small fish	>1		

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RIVER REACH MATRIX RIVER MILE	SAMPLE IDENTIF-ICATION CODE	REFERENCE	INSTAN-TANEOUS FLOW	14-DAY LAG FLOW	HABITAT TYPE (as reported)	DATE	TAXONOMY	COMMON NAME	N	AVERAGE LENGTH	AVERAGE WEIGHT
195.6	462-2649	Keller-Bliesner	612	620	mainstem	9/13/94		small fish	>1		
195.6	462-2650	Keller-Bliesner	612	620	mainstem	9/13/94	*Catostomus latipinnis*	flannelmouth sucker			
195.6	462-2651	Keller-Bliesner	612	620	mainstem	9/13/94	*Catostomus discobolus*	bluehead sucker			
195.6	462-2652	Keller-Bliesner	612	620	mainstem	9/13/94	*Cyprinus carpio*	common carp			
195.6	B1	Blanchard, 90	698	543	mainstem	11/3/90	*Cyprinus carpio*	common carp			
195.6	B2	Blanchard, 90	698	543	mainstem	11/3/90	*Catostomus latipinnis*	flannelmouth sucker			
196.5	055-0537F	Keller-Bliesner	529	533	mainstem	2/18/93	*Catostomus latipinnis*	flannelmouth sucker	1	320	
196.5	055-0538F	Keller-Bliesner	529	533	mainstem	2/18/93	*Catostomus latipinnis*	flannelmouth sucker	1	310	
196.5	055-0539F	Keller-Bliesner	529	533	mainstem	2/18/93	*Catostomus latipinnis*	flannelmouth sucker	1	300	
196.5	055-0540F	Keller-Bliesner	529	533	mainstem	2/18/93	*Catostomus discobolus*	bluehead sucker	1	370	
196.5	055-0541F	Keller-Bliesner	529	533	mainstem	2/18/93	*Catostomus discobolus*	bluehead sucker	1	340	
196.5	055-0542F	Keller-Bliesner	529	533	mainstem	2/18/93	*Catostomus discobolus*	bluehead sucker	1	400	
196.5	055-0543F	Keller-Bliesner	529	533	mainstem	2/18/93	*Oncorhynchus mykiss*	rainbow trout	1	290	
196.5	055-0544F	Keller-Bliesner	529	533	mainstem	2/18/93	*Oncorhynchus mykiss*	rainbow trout	1	280	
196.5	055-0545F	Keller-Bliesner	529	533	mainstem	2/18/93	*Oncorhynchus mykiss*	rainbow trout	1	260	
198.3	15-0840F	Keller-Bliesner	2890	2224	mainstem	5/13/91	*Catostomus latipinnis*	flannelmouth sucker	1		
198.3	16-0841F	Keller-Bliesner	2890	2224	mainstem	5/13/91	*Catostomus latipinnis*	flannelmouth sucker	1		
198.3	17-0842F	Keller-Bliesner	2890	2224	mainstem	5/13/91	*Catostomus latipinnis*	flannelmouth sucker	1		
198.3	18-0843F	Keller-Bliesner	2890	2224	mainstem	5/13/91	*Catostomus discobolus*	bluehead sucker	1		
198.3	19-0844F	Keller-Bliesner	2890	2224	mainstem	5/13/91	*Catostomus discobolus*	bluehead sucker	1		
198.3	20-0845F	Keller-Bliesner	2890	2224	mainstem	5/13/91	*Catostomus discobolus*	bluehead sucker	1		
204.5	12-0837F	Keller-Bliesner	2890	2224	mainstem	5/13/91	*Catostomus discobolus*	bluehead sucker	1		
204.5	13-0838F	Keller-Bliesner	2890	2224	mainstem	5/13/91	*Catostomus discobolus*	bluehead sucker	1		
204.5	14-0839F	Keller-Bliesner	2890	2224	mainstem	5/13/91	*Catostomus discobolus*	bluehead sucker	1		
205.0	006-0380F	Keller-Bliesner	2630	876	mainstem	4/16/92	*Catostomus latipinnis*	flannelmouth sucker	1		
205.0	006-0381F	Keller-Bliesner	2630	876	mainstem	4/16/92	*Catostomus latipinnis*	flannelmouth sucker	1		
205.0	006-0382F	Keller-Bliesner	2630	876	mainstem	4/16/92	*Catostomus latipinnis*	flannelmouth sucker	1		

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RIVER REACH MATRIX RIVER MILE	SAMPLE IDENTIF-ICATION CODE	REFERENCE	INSTAN-TANEOUS FLOW	14-DAY LAG FLOW	HABITAT TYPE (as reported)	DATE	TAXONOMY	COMMON NAME	N	AVERAGE LENGTH	AVERAGE WEIGHT
205.0	006-0383F	Keller-Bliesner	2630	876	mainstem	4/16/92	*Catostomus discobolus*	bluehead sucker	1		
205.0	052-0522F	Keller-Bliesner	529	538	mainstem	2/16/93	*Catostomus latipinnis*	flannelmouth sucker	1	520	
205.0	052-0523F	Keller-Bliesner	529	538	mainstem	2/16/93	*Catostomus latipinnis*	flannelmouth sucker	1	430	
205.0	052-0524F	Keller-Bliesner	529	538	mainstem	2/16/93	*Catostomus latipinnis*	flannelmouth sucker	1	430	
205.0	09-0834F	Keller-Bliesner	2890	2224	mainstem	5/13/91	*Catostomus latipinnis*	flannelmouth sucker	1		
205.0	10-0835F	Keller-Bliesner	2890	2224	mainstem	5/13/91	*Catostomus latipinnis*	flannelmouth sucker	1		
205.0	11-0836F	Keller-Bliesner	2890	2224	mainstem	5/13/91	*Catostomus latipinnis*	flannelmouth sucker	1		
207.0	03-0303F	Keller-Bliesner	543	535	mainstem	3/1/94	*Oncorhynchus mykiss*	rainbow trout			
207.0	03-0304	Keller-Bliesner	543	535	mainstem	3/1/94	*Catostomus latipinnis*	flannelmouth sucker			
207.0	03-O305	Keller-Bliesner	543	535	mainstem	3/1/94	*Catostomus latipinnis*	flannelmouth sucker			
207.0	03-O307	Keller-Bliesner	543	535	mainstem	3/1/94		small fish	>1		
207.0	03-O309	Keller-Bliesner	543	535	mainstem	3/1/94	*Catostomus latipinnis*	flannelmouth sucker			
207.0	461-2641	Keller-Bliesner	612	620	mainstem	9/13/94		small fish	>1		
207.0	461-2642	Keller-Bliesner	612	620	mainstem	9/13/94		small fish	>1		
207.0	461-2643	Keller-Bliesner	612	620	mainstem	9/13/94	*Catostomus latipinnis*	flannelmouth sucker			
207.0	461-2644	Keller-Bliesner	612	620	mainstem	9/13/94	*Oncorhynchus mykiss*	rainbow trout			
207.0	461-2645	Keller-Bliesner	612	620	mainstem	9/13/94	*Cyprinus carpio*	common carp			
207.0	A1	Blanchard, 90	539	522	mainstem	4/18/90	*Cyprinus carpio*	common carp			
207.0	A2	Blanchard, 90	542	548	mainstem	11/7/90	*Cyprinus carpio*	common carp			
207.0	A3	Blanchard, 90	539	522	mainstem	4/18/90	*Catostomus latipinnis*	flannelmouth sucker			
207.0	A4	Blanchard, 90	542	548	mainstem	11/7/90	*Catostomus latipinnis*	flannelmouth sucker			
207.0	A5	Blanchard, 90	539	522	mainstem	4/18/90	*Salmo trutta*	brown trout			
207.0	A6	Blanchard, 90	542	548	mainstem	11/7/90	*Salmo trutta*	brown trout			
207.5	06-0831F	Keller-Bliesner	2890	2224	mainstem	5/13/91	*Catostomus latipinnis*	flannelmouth sucker	1		
207.5	07-0832F	Keller-Bliesner	2890	2224	mainstem	5/13/91	*Catostomus latipinnis*	flannelmouth sucker	1		
207.5	08-0833F	Keller-Bliesner	2890	2224	mainstem	5/13/91	*Catostomus latipinnis*	flannelmouth sucker	1		
208	ISJWFW21	Westwide	628	611	mainstem	7/29/96	*Onchorynkus mykiss*	rainbow trout	1	39.5	672.90

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RIVER REACH MATRIX RIVER MILE	SAMPLE IDENTIF-ICATION CODE	REFERENCE	INSTAN-TANEOUS FLOW	14-DAY LAG FLOW	HABITAT TYPE (as reported)	DATE	TAXONOMY	COMMON NAME	N	AVERAGE LENGTH	AVERAGE WEIGHT
208	ISJWFW22	Westwide	628	611	mainstem	7/29/96	*Onchorynkus mykiss*	rainbow trout	1	33	450.50
208	ISJWFW23	Westwide	628	611	mainstem	7/29/96	*Onchorynkus mykiss*	rainbow trout	1	39.2	551.70
208	ISJWFW24	Westwide	628	611	mainstem	7/29/96	*Onchorynkus mykiss*	rainbow trout	1	33.5	431.70
208	ISJWFW25	Westwide	628	611	mainstem	7/29/96	*Onchorynkus mykiss*	rainbow trout	1	33.2	414.70
208.5	01-0826F	Keller-Bliesner	2890	2224	mainstem	5/13/91	*Catostomus discobolus*	bluehead sucker	1		
208.5	02-0827F	Keller-Bliesner	2890	2224	mainstem	5/13/91	*Catostomus discobolus*	bluehead sucker	1		
208.5	03-0828F	Keller-Bliesner	2890	2224	mainstem	5/13/91	*Cyprinus carpio*	common carp	1		
208.5	04-0829F	Keller-Bliesner	2890	2224	mainstem	5/13/91	*Cyprinus carpio*	common carp	1		
208.5	05-0830F	Keller-Bliesner	2890	2224	mainstem	5/13/91	*Cyprinus carpio*	common carp	1		
208.5	051-0516F	Keller-Bliesner	529	535	mainstem	2/17/93	*Catostomus latipinnis*	flannelmouth sucker	1	510	
208.5	051-0517F	Keller-Bliesner	529	535	mainstem	2/17/93	*Catostomus latipinnis*	flannelmouth sucker	1	460	
208.5	051-0518F	Keller-Bliesner	529	535	mainstem	2/17/93	*Catostomus latipinnis*	flannelmouth sucker	1	510	
208.5	051-0519F	Keller-Bliesner	529	535	mainstem	2/17/93	*Oncorhynchus mykiss*	rainbow trout	1	220	
208.5	051-0520F	Keller-Bliesner	529	535	mainstem	2/17/93	*Oncorhynchus mykiss*	rainbow trout	1	220	
208.5	051-0521F	Keller-Bliesner	529	535	mainstem	2/17/93	*Oncorhynchus mykiss*	rainbow trout	1	370	
209.0	005-0377F	Keller-Bliesner	1760	793	mainstem	4/15/92	*Catostomus latipinnis*	flannelmouth sucker	1		
209.0	005-0378F	Keller-Bliesner	1760	793	mainstem	4/15/92	*Catostomus latipinnis*	flannelmouth sucker	1		
209.0	005-0379F	Keller-Bliesner	1760	793	mainstem	4/15/92	*Catostomus latipinnis*	flannelmouth sucker	1		
Reach 8 - Sediment											
216	ISJWSCD1	Westwide	628	611	mainstem	7/29/96		sediment	N/A	N/A	
216	ISJWSCD2	Westwide	628	611	mainstem	7/29/96		sediment	N/A	N/A	
221	SJSED5A	Thomas et al 97	655	639	backwater	8/23/93		sediment			
221	SJSED5B	Thomas et al 97	1640	2307	backwater	7/19/94		sediment			
222	ISJWSCD3	Westwide	628	611	backwater	7/29/96		sediment	N/A	N/A	
222	ISJWSCD4	Westwide	628	611	backwater	7/30/96		sediment	N/A	N/A	
224	SJSED1A	Thomas et al 97	655	639	mainstem	8/23/93		sediment			
224	SJSED1B	Thomas et al 97	1750	2428	mainstem	7/18/94		sediment			

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224	SJSED2A	Thomas et al97	666	649	pond	8/25/93		sediment			
224	SJSED2B	Thomas et al97	1640	2307	pond	7/19/94		sediment			
224	SJSED3A	Thomas et al97	661	642	backwater	8/24/93		sediment			
224	SJSED3B	Thomas et al97	661	642	backwater	8/24/93		sediment			
224	SJSED3C	Thomas et al97	1640	2307	backwater	7/19/94		sediment			
Reach 8 - Water											
215	5S1	Keller-Bliesner			mainstem	4/19/94		water			
215	5S10	Keller-Bliesner			mainstem	1/15/95		water			
215	5S11	Keller-Bliesner			mainstem	2/21/95		water			
215	5S12	Keller-Bliesner			mainstem	3/27/95		water			
215	5S2	Keller-Bliesner			mainstem	5/16/94		water			
215	5S3	Keller-Bliesner			mainstem	6/13/94		water			
215	5S4	Keller-Bliesner			mainstem	7/18/94		water			
215	5S5	Keller-Bliesner			mainstem	8/29/94		water			
215	5S6	Keller-Bliesner			mainstem	9/19/94		water			
215	5S7	Keller-Bliesner			mainstem	10/17/94		water			
215	5S8	Keller-Bliesner			mainstem	11/29/94		water			
215	5S9	Keller-Bliesner			mainstem	12/19/94		water			
216		Westwide	628		mainstem	7/29/96		water			
216		Westwide	628		mainstem	7/29/96		water			
221	SJWAT5A	Thomas et al97	655		backwater	8/23/93		water			
221	SJWAT5B	Thomas et al97	1640		backwater	7/19/94		water			
224	2S1	Keller-Bliesner			mainstem	4/20/94		water			
224	2S10	Keller-Bliesner			mainstem	1/23/95		water			
224	2S11	Keller-Bliesner			mainstem	2/21/95		water			
224	2S12	Keller-Bliesner			mainstem	3/27/95		water			
224	2S2	Keller-Bliesner			mainstem	5/16/94		water			

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224	2S3	Keller-Bliesner			mainstem	6/13/94		water			
224	2S4	Keller-Bliesner			mainstem	7/18/94		water			
224	2S5	Keller-Bliesner			mainstem	8/29/94		water			
224	2S6	Keller-Bliesner			mainstem	9/19/94		water			
224	2S7	Keller-Bliesner			mainstem	10/17/94		water			
224	2S8	Keller-Bliesner			mainstem	11/29/94		water			
224	2S9	Keller-Bliesner			mainstem	12/19/94		water			
224	SJWAT1A	Thomas et al97	655		mainstem	8/23/93		water			
224	SJWAT1B	Thomas et al97	1750		mainstem	7/18/94		water			
224	SJWAT2A	Thomas et al97	666		pond	8/25/93		water			
224	SJWAT2B	Thomas et al97	1640		pond	7/19/94		water			
224	SJWAT3A	Thomas et al97	661		backwater	8/24/93		water			
224	SJWAT3B	Thomas et al97	661		backwater	8/24/93		water			
224	SJWAT3C	Thomas et al97	1640		backwater	7/19/94		water			
225	1S1	Keller-Bliesner			mainstem	4/20/94		water			
225	1S10	Keller-Bliesner			mainstem	1/23/95		water			
225	1S11	Keller-Bliesner			mainstem	2/21/95		water			
225	1S12	Keller-Bliesner			mainstem	3/27/95		water			
225	1S2	Keller-Bliesner			mainstem	5/16/94		water			
225	1S3	Keller-Bliesner			mainstem	6/13/94		water			
225	1S4	Keller-Bliesner			mainstem	7/18/94		water			
225	1S5	Keller-Bliesner			mainstem	8/29/94		water			
225	1S6	Keller-Bliesner			mainstem	9/19/94		water			
225	1S7	Keller-Bliesner			mainstem	10/17/94		water			
225	1S8	Keller-Bliesner			mainstem	11/29/94		water			
225	1S9	Keller-Bliesner			mainstem	12/19/94		water			
Reach 8 - Submerged Plants											

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RIVER REACH MATRIX RIVER MILE	SAMPLE IDENTIF-ICATION CODE	REFERENCE	INSTAN-TANEOUS FLOW	14-DAY LAG FLOW	HABITAT TYPE (as reported)	DATE	TAXONOMY	COMMON NAME	N	AVERAGE LENGTH	AVERAGE WEIGHT
216.0	SJ07PA	Thomas et al97	661	642	mainstem	8/24/93	*Chlorophyta*	algae			
216.0	SJ07PM	Thomas et al97	661	642	mainstem	8/24/93	*Typha spp*	cattail			
216.0	SR07PA	Thomas et al97	1750	2428	mainstem	7/18/94	*Chlorophyta*	algae			
218.0	SJ06PA	Thomas et al97	661	642	mainstem	8/24/93	*Chlorophyta*	algae			
218.0	SR06PA	Thomas et al97	1750	2428	mainstem	7/18/94	*Chlorophyta*	algae			
218.0	535-2319P	Keller-Bliesner	535	510	mainstem	3/6/95		periphyton			
221.0	SJ03PA	Thomas et al97	655	639	mainstem	8/23/93	*Chlorophyta*	algae			
221.0	SJ03PM	Thomas et al97	655	639	mainstem	8/23/93	*Typha spp*	cattail			
221.0	SR03PA	Thomas et al97	1640	2307	mainstem	7/19/94	*Chlorophyta*	algae			
223.0	SJ02PA	Thomas et al97	655	639	mainstem	8/23/93	*Chlorophyta*	algae			
223.0	SJ02PM	Thomas et al97	655	639	mainstem	8/23/93	*Plantae*	unknown			
223.0	SR02PA	Thomas et al97	1750	2428	mainstem	7/18/94	*Chlorophyta*	algae			
224.0	SJ05PA	Thomas et al97	661	642	backwater	8/24/93	*Chlorophyta*	algae			
224.0	SJ05PM1	Thomas et al97	661	642	backwater	8/24/93	*Ceratophyllum demersum*	coontail			
224.0	SJ05PM2	Thomas et al97	661	642	backwater	8/24/93	*Typha spp*	cattail			
224.0	SJ05PM3	Thomas et al97	661	642	backwater	8/24/93	*Potamogeton spp*	duckweed			
224.0	SR05PA	Thomas et al97	1640	2307	backwater	7/19/94	*Chlorophyta*	algae			
225.0	SJ04PA	Thomas et al97	655	639	backwater	8/23/93	*Chlorophyta*	algae			
225.0	SJ04PM1	Thomas et al97	655	639	backwater	8/23/93	*Ceratophyllum demersum*	coontail			
225.0	SJ04PM2	Thomas et al97	655	639	backwater	8/23/93	*Typha spp*	cattail			
225.0	SR04PA	Thomas et al97	1640	2307	backwater	7/19/94	*Chlorophyta*	algae			
226.0	535-2317P	Keller-Bliesner	535	510	reservoir	3/6/95		periphyton			
226.0	SJ01PA	Thomas et al97	666	649	pond	8/25/93	*Chlorophyta*	algae			
226.0	SJ01PM1	Thomas et al97	666	649	pond	8/25/93	*Ceratophyllum demersum*	coontail			
226.0	SJ01PM2	Thomas et al97	666	649	pond	8/25/93	*Typha spp*	cattail			
226.0	SR01PM1	Thomas et al97	978	1690	pond	7/26/94	*Ceratophyllum demersum*	coontail			
226.0	SR01PM2	Thomas et al97	978	1690	pond	7/26/94	*Typha spp*	cattail			

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Reach 8 - Invertebrates											
216.0	SJ07IB	Thomas et al97	661	642	mainstem	8/24/93	*Annelida*	annelid			
216.0	SR07IB	Thomas et al97	1750	2428	mainstem	7/18/94	*Ephemeroptera*	mayfly larvae			
217.5	075-0652M	Keller-Bliesner	529	535	mainstem	2/17/93		macroinvertebrates	>1		
217.5		Keller-Bliesner	523	532	mainstem	3/15/94		macroinvertebrates	>1		
218.0	SJ06IB	Thomas et al97	661	642	mainstem	8/24/93	*Annelida*	annelid			
218.0	SR06IB	Thomas et al97	1750	2428	mainstem	7/18/94	*Ephemeroptera*	mayfly larvae			
218.8	535-2318I	Keller-Bliesner	535	510	mainstem	3/6/95		macroinvertebrates			
221.0	SJ03IB	Thomas et al97	655	639	mainstem	8/23/93	*Tendipes spp*	midge larvae			
221.0	SR03IB1	Thomas et al97	1640	2307	mainstem	7/19/94	*Ephemeroptera*	mayfly larvae			
221.0	SR03IB2	Thomas et al97	1640	2307	mainstem	7/19/94	*Gastropoda*	sil			
223.0	SJ02IB1	Thomas et al97	655	639	mainstem	8/23/93	*Gastropoda*	sil			
223.0	SJ02IB2	Thomas et al97	655	639	mainstem	8/23/93	*Oligochaeta*	oligochaet			
223.0	SJ02INK	Thomas et al97	655	639	mainstem	8/23/93	*Hemiptera*	diving beetle			
223.0	SR02IB1	Thomas et al97	1750	2428	mainstem	7/18/94	*Gastropoda*	sil			
223.0	SR02IB2	Thomas et al97	1750	2428	mainstem	7/18/94	*Annelida*	annelid			
224.0	075-0651M	Keller-Bliesner	529	535	mainstem	2/17/93		macroinvertebrates	>1		
224.0	SJ05IB	Thomas et al97	661	642	backwater	8/24/93	*Odonata*	mixed odonata			
224.0	SJ05INK	Thomas et al97	661	642	backwater	8/24/93	*Corixidae*	waterboatmen			
224.0	SR05IB	Thomas et al97	1640	2307	backwater	7/19/94	*Ellagma spp*	damselfly larvae			
225.0	SJ04IB	Thomas et al97	655	639	backwater	8/23/93	*Ellagma spp*	damselfly larvae			
225.0	SJ04INK	Thomas et al97	655	639	backwater	8/23/93	*Notonecta spp*	backswimmers			
225.0	SR04IB1	Thomas et al97	1640	2307	backwater	7/19/94	*Osteichthyes*	unknown			
225.0	SR04IB2	Thomas et al97	1640	2307	backwater	7/19/94	*Gastropoda*	sil			
226.0	535-2316I	Keller-Bliesner	535	510	reservoir	3/6/95		macroinvertebrates			
226.0	SJ01IB1	Thomas et al97	666	649	pond	8/25/93	*Ax spp*	dragonfly larvae			
226.0	SJ01IB2	Thomas et al97	666	649	pond	8/25/93	*Gastropoda*	sil			

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RIVER REACH MATRIX RIVER MILE	SAMPLE IDENTIF-ICATION CODE	REFERENCE	INSTAN-TANEOUS FLOW	14-DAY LAG FLOW	HABITAT TYPE (as reported)	DATE	TAXONOMY	COMMON NAME	N	AVERAGE LENGTH	AVERAGE WEIGHT
226.0	SJ01INK	Thomas et al97	666	649	pond	8/25/93	*Corixidae*	waterboatmen			
226.0	SR01IB1	Thomas et al97	978	1690	pond	7/26/94	*Odonata*	mixed Odonata			
226.0	SR01IB2	Thomas et al97	978	1690	pond	7/26/94	*Gastropoda*	sil			
226.0	SR01INK	Thomas et al97	978	1690	pond	7/26/94	*Corixidae*	waterboatmen			
Reach 8 - Whole Body Fish											
216	ISJWFW11	Westwide	628	611	mainstem	7/29/96	*Onchorynkus mykiss*	rainbow trout	1	35.2	582.50
216	ISJWFW12	Westwide	628	611	mainstem	7/29/96	*Onchorynkus mykiss*	rainbow trout	1	38	677.10
216	ISJWFW13	Westwide	628	611	mainstem	7/29/96	*Onchorynkus mykiss*	rainbow trout	1	40.1	873.40
216	ISJWFW14	Westwide	628	611	mainstem	7/29/96	*Onchorynkus mykiss*	rainbow trout	1	45.5	1061.10
216	ISJWFW15	Westwide	628	611	mainstem	7/29/96	*Onchorynkus mykiss*	rainbow trout	1	34.2	527.60
216	SJ07FFS1	Thomas et al97	661	642	mainstem	8/24/93		fathead/mosquitofish			
216	SJ07FFS2	Thomas et al97	661	642	mainstem	8/24/93	*Salmo trutta*	brown trout	5	6.20	
216	SJ07FI1	Thomas et al97	661	642	mainstem	8/24/93	*Salmo trutta*	brown trout	4	1223.30	45.10
216	SJ07FI2	Thomas et al97	661	642	mainstem	8/24/93	*Oncorhynchus mykiss*	rainbow trout	3	463.00	31.20
216	SJ07FI3	Thomas et al97	661	642	mainstem	8/24/93	*Oncorhynchus mykiss*	rainbow trout	3	935.30	42.70
216	SJ07FI4	Thomas et al97	661	642	mainstem	8/24/93	*Oncorhynchus mykiss*	rainbow trout	4	1134.00	18.00
216	SJ07FI5	Thomas et al97	661	642	mainstem	8/24/93	*Salmo trutta*	brown trout	5	1587.80	21.00
216	SR07FI01	Thomas et al97	1750	2428	mainstem	7/18/94	*Salmo trutta*	brown trout	5	609.80	37.00
216	SR07FI02	Thomas et al97	1750	2428	mainstem	7/18/94	*Oncorhynchus mykiss*	rainbow trout	5	768.60	39.96
216	SR07FI03	Thomas et al97	1750	2428	mainstem	7/18/94	*Salmo trutta*	brown trout	4	81.50	18.60
216	SR07FI04	Thomas et al97	1750	2428	mainstem	7/18/94	*Oncorhynchus mykiss*	rainbow trout	5	29.20	14.04
217.0	050-0510F	Keller-Bliesner	529	535	mainstem	2/17/93	*Oncorhynchus mykiss*	rainbow trout	1	250	
217.0	050-0511F	Keller-Bliesner	529	535	mainstem	2/17/93	*Oncorhynchus mykiss*	rainbow trout	1	350	
217.0	050-0512F	Keller-Bliesner	529	535	mainstem	2/17/93	*Oncorhynchus mykiss*	rainbow trout	1	240	
217.0	050-0513F	Keller-Bliesner	529	535	mainstem	2/17/93	*Catostomus latipinnis*	flannelmouth sucker	1	540	
217.0	050-0514F	Keller-Bliesner	529	535	mainstem	2/17/93	*Catostomus latipinnis*	flannelmouth sucker	1	550	
217.0	050-0515F	Keller-Bliesner	529	535	mainstem	2/17/93	*Catostomus latipinnis*	flannelmouth sucker	1	530	

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RIVER REACH MATRIX RIVER MILE	SAMPLE IDENTIF-ICATION CODE	REFERENCE	INSTAN-TANEOUS FLOW	14-DAY LAG FLOW	HABITAT TYPE (as reported)	DATE	TAXONOMY	COMMON NAME	N	AVERAGE LENGTH	AVERAGE WEIGHT
217.0	BGD-0426	Keller-Bliesner	523	532	mainstem	3/15/94	*Oncorhynchus mykiss*	rainbow trout			
217.0	BGD-0426	Keller-Bliesner	523	532	mainstem	3/15/94	*Oncorhynchus mykiss*	rainbow trout			
217.0	BGD-0426	Keller-Bliesner	523	532	mainstem	3/15/94	*Oncorhynchus mykiss*	rainbow trout			
217.0	BGD-0427	Keller-Bliesner	523	532	mainstem	3/15/94	*Catostomus latipinnis*	flannelmouth sucker			
217.0	BGD-0427	Keller-Bliesner	523	532	mainstem	3/15/94	*Catostomus latipinnis*	flannelmouth sucker			
217.0	BGD-0427	Keller-Bliesner	523	532	mainstem	3/15/94	*Catostomus latipinnis*	flannelmouth sucker			
217.0	BGD-0428	Keller-Bliesner	523	532	mainstem	3/15/94	*Salmo trutta*	brown trout			
217.0	BGD-0428	Keller-Bliesner	523	532	mainstem	3/15/94	*Salmo trutta*	brown trout			
217.0	BGD-0428	Keller-Bliesner	523	532	mainstem	3/15/94	*Salmo trutta*	brown trout			
217.0	BGD-0429	Keller-Bliesner	523	532	mainstem	3/15/94		small fish	>1		
217.5	004-0374F	Keller-Bliesner	1760	793	mainstem	4/15/92	*Oncorhynchus mykiss*	rainbow trout	1		
217.5	004-0375F	Keller-Bliesner	1760	793	mainstem	4/15/92	*Oncorhynchus mykiss*	rainbow trout	1		
217.5	004-0376F	Keller-Bliesner	1760	793	mainstem	4/15/92	*Oncorhynchus mykiss*	rainbow trout	1		
218.0	SJ06FFS	Thomas et al97	661	639	mainstem	8/24/93		rainbow/brown trout	3		
218.0	SJ06FI1	Thomas et al97	661	642	mainstem	8/24/93	*Oncorhynchus mykiss*	rainbow trout	3	1153.00	42.00
218.0	SJ06FI2	Thomas et al97	661	642	mainstem	8/24/93	*Oncorhynchus mykiss*	rainbow trout	5	434.00	31.90
218.0	SJ06FI3	Thomas et al97	661	642	mainstem	8/24/93	*Oncorhynchus mykiss*	rainbow trout	5	107.60	20.20
218.0	SJ06FI4	Thomas et al97	661	642	mainstem	8/24/93	*Salmo trutta*	brown trout	4	141.75	22.00
218.0	SJ06FI5	Thomas et al97	661	642	mainstem	8/24/93	*Salmo trutta*	brown trout	3	61.60	16.30
218.0	SR06FI01	Thomas et al97	1750	2428	mainstem	7/18/94	*Oncorhynchus mykiss*	rainbow trout	5	842.40	39.78
218.0	SR06FI02	Thomas et al97	1750	2428	mainstem	7/18/94	*Salmo trutta*	brown trout	5	760.00	38.00
218.0	SR06FI03	Thomas et al97	1750	2428	mainstem	7/18/94	*Salmo trutta*	brown trout	4	42.30	14.95
218.0	SR06FI04	Thomas et al97	1750	2428	mainstem	7/18/94	*Oncorhynchus mykiss*	rainbow trout	5	50.00	15.64
219.5	003-0371F	Keller-Bliesner	1760	793	mainstem	4/15/92	*Oncorhynchus mykiss*	rainbow trout	1		
219.5	003-0372F	Keller-Bliesner	1760	793	mainstem	4/15/92	*Oncorhynchus mykiss*	rainbow trout	1		
219.5	003-0373F	Keller-Bliesner	1760	793	mainstem	4/15/92	*Oncorhynchus mykiss*	rainbow trout	1		
221.0	SJ03FFS	Thomas et al97	655	639	mainstem	8/23/93	*Salmo trutta*	brown trout			

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221.0	SJ03 FI1	Thomas et al 97	655	639	mainstem	8/23/93	*Salmo trutta*	brown trout	3	898.00	39.00
221.0	SJ03 FI2	Thomas et al 97	655	639	mainstem	8/23/93	*Oncorhynchus mykiss*	rainbow trout	4	1410.00	46.40
221.0	SJ03 FI3	Thomas et al 97	655	639	mainstem	8/23/93	*Oncorhynchus mykiss*	rainbow trout	4	1013.50	40.80
221.0	SR03FFS1	Thomas et al 97	1640	2307	mainstem	7/19/94	*Pimephales promelas*	fathead minnow			
221.0	SR03FFS2	Thomas et al 97	1640	2307	mainstem	7/19/94	*Gambusia affinis*	mosquitofish			
221.0	SR03FI01	Thomas et al 97	1640	2307	mainstem	7/19/94	*Oncorhynchus mykiss*	rainbow trout	5	1285.92	49.02
222	ISJWFW41	Westwide	628	611	backwater	7/29/96	*Cyprinus carpio*	common carp	1	44.1	1205.90
222	ISJWFW42	Westwide	628	611	backwater	7/29/96	*Cyprinus carpio*	common carp	1	42.5	885.20
222	ISJWFW43	Westwide	628	611	backwater	7/29/96	*Cyprinus carpio*	common carp	1	36.1	673.20
222	ISJWFW44	Westwide	628	611	backwater	7/29/96	*Cyprinus carpio*	common carp	1	37.7	729.70
222	ISJWFW45	Westwide	628	611	backwater	7/29/96	*Cyprinus carpio*	common carp	1	38	784.80
223.0	SJ02FFS1	Thomas et al 97	655	639	mainstem	8/23/93	*Gambusia affinis*	mosquitofish			
223.0	SJ02FFS2	Thomas et al 97	655	639	mainstem	8/23/93	*Oncorhynchus mykiss*	rainbow trout			
223.0	SJ02 FI1	Thomas et al 97	655	639	mainstem	8/23/93	*Salmo trutta*	brown trout	2	525.00	34.50
223.0	SJ02 FI2	Thomas et al 97	655	639	mainstem	8/23/93	*Oncorhynchus mykiss*	rainbow trout	4	1424.50	47.50
223.0	SJ02 FI3	Thomas et al 97	655	639	mainstem	8/23/93	*Oncorhynchus mykiss*	rainbow trout	4	1013.50	43.30
223.0	SJ02 FI4	Thomas et al 97	655	639	mainstem	8/23/93	*Oncorhynchus mykiss*	rainbow trout	4	1672.80	51.30
223.0	SJ02 FI5	Thomas et al 97	655	639	mainstem	8/23/93	*Oncorhynchus mykiss*	rainbow trout	4	1410.30	47.00
223.0	SR02FFS	Thomas et al 97	1750	2428	mainstem	7/18/94	*Oncorhynchus mykiss*	rainbow trout			
223.0	SR02FI01	Thomas et al 97	1750	2428	mainstem	7/18/94	*Salmo trutta*	brown trout	4	455.70	32.90
223.0	SR02FI02	Thomas et al 97	1750	2428	mainstem	7/18/94	*Salmo trutta*	brown trout	3	49.80	16.50
223.0	SR02FI03	Thomas et al 97	1750	2428	mainstem	7/18/94	*Oncorhynchus mykiss*	rainbow trout	4	345.90	30.40
223.0	SR02FI04	Thomas et al 97	1750	2428	mainstem	7/18/94	*Oncorhynchus mykiss*	rainbow trout	3	78.80	18.60
223.0	SR02FI05	Thomas et al 97	1750	2428	mainstem	7/18/94	*Oncorhynchus mykiss*	rainbow trout	4	1091.30	42.50
224.0	002-0366F	Keller-Bliesner	1760	793	mainstem	4/15/92	*Oncorhynchus mykiss*	rainbow trout	1		
224.0	002-0367F	Keller-Bliesner	1760	793	mainstem	4/15/92	*Oncorhynchus mykiss*	rainbow trout	1		
224.0	002-0368F	Keller-Bliesner	1760	793	mainstem	4/15/92	*Oncorhynchus mykiss*	rainbow trout	1		

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224.0	002-0369F	Keller-Bliesner	1760	793	mainstem	4/15/92	*Cyprinus carpio*	common carp	1		
224.0	002-0370F	Keller-Bliesner	1760	793	mainstem	4/15/92	*Cyprinus carpio*	common carp	1		
224.0	SJ05FBF	Thomas et al97	661	642	backwater	8/24/93	*Cyprinus carpio*	common carp	1	928.00	38.00
224.0	SJ05FFS	Thomas et al97	661	642	backwater	8/24/93	*Pimephales promelas*	fathead minnow			
224.0	SJ05FI1	Thomas et al97	661	642	backwater	8/24/93	*Salmo trutta*	brown trout	3	576.30	35.30
224.0	SJ05FI2	Thomas et al97	661	642	backwater	8/24/93	*Oncorhynchus mykiss*	rainbow trout	4	1261.50	47.40
224.0	SJ05FI3	Thomas et al97	661	642	backwater	8/24/93	*Oncorhynchus mykiss*	rainbow trout	4	396.80	31.00
224.0	SJ05FI4	Thomas et al97	661	642	backwater	8/24/93	*Oncorhynchus mykiss*	rainbow trout	4	801.50	41.50
224.0	SJ05FI5	Thomas et al97	661	642	backwater	8/24/93	*Oncorhynchus mykiss*	rainbow trout	3	1049.00	46.00
224.0	SJ05FI6	Thomas et al97	661	642	backwater	8/24/93	*Oncorhynchus mykiss*	rainbow trout	4	496.30	34.40
224.0	SR05FFS1	Thomas et al97	1640	2307	backwater	7/19/94	*Cyprinus carpio*	common carp	1	8.00	
224.0	SR05FFS2	Thomas et al97	1640	2307	backwater	7/19/94	*Pimephales promelas*	fathead minnow	75	2.70	
225.0	001-0363F	Keller-Bliesner	1760	793	mainstem	4/15/92	*Oncorhynchus mykiss*	rainbow trout	1		
225.0	001-0364F	Keller-Bliesner	1760	793	mainstem	4/15/92	*Oncorhynchus mykiss*	rainbow trout	1		
225.0	001-0365F	Keller-Bliesner	1760	793	mainstem	4/15/92	*Oncorhynchus mykiss*	rainbow trout	1		
225.0	049-0507F	Keller-Bliesner	529	535	mainstem	2/17/93	*Oncorhynchus mykiss*	rainbow trout	1	280	
225.0	049-0508F	Keller-Bliesner	529	535	mainstem	2/17/93	*Oncorhynchus mykiss*	rainbow trout	1	460	
225.0	049-0509F	Keller-Bliesner	529	535	mainstem	2/17/93	*Oncorhynchus mykiss*	rainbow trout	1	420	
225.0	SJ04FBF1	Thomas et al97	655	639	backwater	8/23/93	*Cyprinus carpio*	common carp	4	1658.50	50.00
225.0	SJ04FBF2	Thomas et al97	655	639	backwater	8/23/93	*Cyprinus carpio*	common carp	4	1304.00	46.10
225.0	SJ04FBF3	Thomas et al97	655	639	backwater	8/23/93	*Cyprinus carpio*	common carp	4	2125.50	54.00
225.0	SJ04FFS1	Thomas et al97	655	639	backwater	8/23/93	*Cyprinus carpio*	common carp			
225.0	SJ04FFS2	Thomas et al97	655	639	backwater	8/23/93	*Pimephales promelas*	fathead minnow			
225.0	SJ04FFS3	Thomas et al97	655	639	backwater	8/23/93	*Gambusia affinis*	mosquitofish			
225.0	SR04FBF	Thomas et al97	1640	2307	backwater	7/19/94	*Cyprinus carpio*	common carp	2	4078.60	58.40
225.0	SR04FFS	Thomas et al97	1640	2307	backwater	7/19/94	*Pimephales promelas*	fathead minnow			