APPENDIX C

DATA TABLES AND ANALYSES FOR CHAPTER 3

Table C1. FWS Water Sample Results, LCC Grab Samples

Sample Number	Sample Location	Date	Wet Weight (mg/L)									
			Al	As	B	Ba	Be	Ca	Cd	Cr	Cu	Fe
97003	a	10/05/1994	<0.05	<0.005	<0.1	0.023	<0.0005	16	<0.0005	<0.003	<0.005	<0.1
97007	a	11/06/1994	<0.05	<0.005	<0.1	0.019	<0.0005	17.8	<0.0005	<0.003	<0.005	0.113
97011	a	11/10/1994	0.089	<0.005	<0.1	0.02	<0.0005	18.4	<0.0005	<0.003	<0.005	0.262
97047	a	12/15/1994	0.237	<0.005	<0.1	0.01	<0.0005	8.68	<0.0005	<0.003	<0.005	0.268
97071	a	01/04/1995	0.398	<0.005	<0.1	0.013	<0.0005	9.02	<0.0005	<0.003	<0.005	0.518
97105	a	01/18/1995	0.241	<0.005	<0.1	0.014	0.002	6.48	<0.0005	<0.003	0.006	0.21
97166	a	03/09/1995	16.6	<0.005	<0.1	0.137	0.001	12.2	<0.0005	0.006	0.013	12.3
8217	b	04/09/1994	0.28	0.0002	0.0085	0.0134	<0.00004	10.8	<0.0003	<0.001	<0.0008	0.434
8218	b	04/12/1994	0.15	0.0003	0.0055	0.0127	<0.00004	10.7	<0.0003	<0.001	<0.0008	0.229
8219	b	04/20/1994	0.11	0.00033	0.0082	0.0149	<0.00004	12.3	<0.0003	<0.001	<0.0008	0.165
97006	b	11/06/1994	0.102	<0.005	<0.1	0.022	<0.0005	14	<0.0005	<0.003	<0.005	0.125
97010	b	11/10/1994	0.072	<0.005	<0.1	0.026	<0.0005	13	<0.0005	<0.003	<0.005	<0.1
97029	b	12/04/1994	0.308	<0.005	<0.1	0.023	<0.0005	11.9	<0.0005	<0.003	<0.005	0.325
97046	b	12/15/1994	0.227	<0.005	<0.1	0.024	<0.0005	12	<0.0005	<0.003	<0.005	0.244
97069	b	01/04/1995	0.359	<0.005	<0.1	0.025	0.001	10.5	<0.0005	0.003	0.008	0.439
97083	b	01/08/1995	1.31	<0.005	<0.1	0.024	<0.0005	8.27	<0.0005	0.007	0.007	1.4
97103	b	01/18/1995	0.525	<0.005	<0.1	0.104	0.043	10.3	<0.0005	<0.003	0.091	0.53
97168	b	03/09/1995	1.78	<0.005	<0.1	0.026	<0.0005	7.83	<0.0005	0.01	<0.005	1.86
8212	c	03/24/1994	0.068	0.0001	0.036	0.016	<0.00004	15.2	<0.0003	<0.001	0.001	0.109
8213	c	04/04/1994	0.14	0.0003	0.048	0.0226	<0.00004	17.5	0.0005	0.002	0.0025	0.152
8214	c	04/09/1994	0.2	0.0003	0.017	0.0156	<0.00004	12.4	<0.0003	<0.001	0.0008	0.349
8215	c	04/12/1994	0.08	0.0002	0.031	0.0156	<0.00004	13.1	<0.0003	<0.001	0.001	0.198
8216	c	04/20/1994	0.098	0.0003	0.047	0.0205	<0.00004	15.7	<0.0003	<0.001	0.002	0.115
97009	c	11/10/1994	0.395	<0.005	0.107	0.026	0.002	12.4	<0.0005	<0.003	0.005	0.502
97079	c	01/08/1995	8.89	<0.005	<0.1	0.077	<0.0005	10.6	<0.0005	0.019	0.017	8.4
97021	d	12/04/1994	1.73	<0.005	<0.1	0.025	<0.0005	8.67	<0.0005	0.004	0.005	1.65
97085	d	01/08/1995	1.37	<0.005	<0.1	0.023	0.001	6.93	<0.0005	0.004	<0.005	1.64
97160	d	03/09/1995	4.21	<0.005	<0.1	0.043	<0.0005	7.92	<0.0005	0.008	0.011	5.17
8208	e	03/24/1994	1.98	0.00082	0.034	0.0318	<0.00004	12.2	<0.0003	0.004	0.0033	1.96
8209	e	04/04/1994	1.63	0.0011	0.03	0.0317	<0.00004	10.5	<0.0003	0.0051	0.0055	2.14
8210	e	04/12/1994	2.53	0.00094	0.029	0.0207	<0.00004	10.4	<0.0003	0.0061	0.0053	2.11
8211	e	04/20/1994	9.96	0.0026	0.04	0.521	0.00017	12.2	<0.0003	0.019	0.012	7.77
97032	e	12/05/1994	0.702	<0.005	0.107	0.023	0.002	8.44	<0.0005	<0.003	0.009	0.909
97049	e	12/15/1994	0.496	<0.005	<0.1	0.018	<0.0005	9.52	<0.0005	<0.003	<0.005	0.517
97075	e	01/04/1995	1.05	<0.005	<0.1	0.023	<0.0005	9.22	<0.0005	0.004	0.007	1.37
97089	e	01/13/1995	1.74	<0.005	<0.1	0.028	<0.0005	8.56	<0.0005	0.005	<0.005	2.14
97097	e	01/18/1995	1.33	<0.005	0.108	0.034	0.003	9.98	<0.0005	0.005	0.012	1.67
97115	e	01/24/1995	1.71	<0.005	<0.1	0.034	<0.0005	10.9	<0.0005	0.005	0.009	2.21
97120	e	01/27/1995	4.85	<0.005	<0.1	0.061	0.001	14.2	<0.0005	0.015	0.007	6.44
97176	e	03/13/1995	3.92	<0.005	<0.1	0.048	<0.0005	10.1	<0.0005	0.011	0.011	5.03

a: grab sample LCC at Stilson Canyon

b: sample LCC at Forest Rd. and Humboldt Ave.

c: grab sample LCC at Taffee Rd.

d: grab sample LCC at Ord Ferry Rd.

e: grab sample LCC at Llano Seco

Table C1. (Continued) FWS Water Sample Results, LCC Grab Samples

Sample Number	Sample Location	Date	Wet Weight (mg/L)									
			Hg	Mg	Mn	Mo	Ni	Pb	Se	Sr	V	Zn
97003	a	10/05/1994	<0.0005	9.3	0.066	<0.05	<0.005	<0.01	<0.005	0.12	0.005	<0.01
97007	a	11/06/1994	<0.0005	10.1	0.005	<0.05	<0.005	<0.01	<0.005	0.129	0.006	<0.01
97011	a	11/10/1994	<0.0005	10.2	<0.005	<0.05	<0.005	<0.01	<0.005	0.128	0.006	<0.01
97047	a	12/15/1994	<0.0005	4.9	0.005	<0.05	<0.005	<0.01	<0.005	0.061	0.005	<0.01
97071	a	01/04/1995	<0.0005	5.13	0.018	<0.05	<0.005	<0.01	<0.005	0.063	0.006	<0.01
97105	a	01/18/1995	<0.0005	3.78	0.014	<0.05	<0.005	<0.01	<0.005	0.045	0.003	<0.01
97166	a	03/09/1995	<0.0005	5.61	0.459	<0.05	<0.005	<0.01	<0.005	0.105	0.009	0.021
8217	b	04/09/1994	<0.0003	6.52	0.0173	<0.0003	<0.001	<0.005	<0.0001	0.081	0.0046	0.001
8218	b	04/12/1994	<0.0003	6.67	0.012	<0.0003	<0.001	<0.005	<0.0001	0.0822	0.0049	0.001
8219	b	04/20/1994	<0.0003	7.76	0.012	<0.0003	<0.001	<0.005	<0.0001	0.0957	0.005	0.001
97006	b	11/06/1994	<0.0005	7.95	0.088	<0.05	<0.005	<0.01	<0.005	0.1	0.005	<0.01
97010	b	11/10/1994	<0.0005	9.1	0.01	<0.05	<0.005	<0.01	<0.005	0.093	0.003	<0.01
97029	b	12/04/1994	<0.0005	7.66	0.016	<0.05	<0.005	<0.01	<0.005	0.083	0.003	<0.01
97046	b	12/15/1994	<0.0005	7.21	0.01	<0.05	<0.005	<0.01	<0.005	0.079	0.003	<0.01
97069	b	01/04/1995	<0.0005	5.97	0.023	<0.05	<0.005	<0.01	<0.005	0.069	0.004	<0.01
97083	b	01/08/1995	<0.0005	4.52	0.06	<0.05	<0.005	<0.01	<0.005	0.056	0.009	<0.01
97103	b	01/18/1995	<0.0005	5.61	0.103	<0.05	<0.005	<0.01	<0.005	0.058	0.004	0.094
97168	b	03/09/1995	<0.0005	4.25	0.091	<0.05	0.005	<0.01	<0.005	0.051	0.014	<0.01
8212	c	03/24/1994	<0.0003	9.75	0.0031	<0.0003	0.002	<0.005	<0.0001	0.106	0.002	0.001
8213	c	04/04/1994	<0.0003	11.2	0.0082	<0.0003	0.002	<0.005	<0.0001	0.123	0.0048	0.0027
8214	c	04/09/1994	<0.0003	7.46	0.0073	<0.0003	<0.001	<0.005	<0.0001	0.0886	0.0045	0.0037
8215	c	04/12/1994	<0.0003	8.22	0.0045	<0.0003	<0.001	<0.005	<0.0001	0.0954	0.0046	0.0038
8216	c	04/20/1994	<0.0003	10.4	0.0155	<0.0003	<0.001	<0.005	<0.0001	0.12	0.006	0.002
97009	c	11/10/1994	<0.0005	7.14	0.023	<0.05	<0.005	<0.01	<0.005	0.082	0.005	0.017
97079	c	01/08/1995	<0.0005	4.88	0.329	<0.05	0.011	0.01	<0.005	0.083	0.033	0.032
97021	d	12/04/1994	<0.0005	5.41	0.044	<0.05	<0.005	<0.01	<0.005	0.06	0.008	<0.01
97085	d	01/08/1995	<0.0005	3.99	0.042	<0.05	<0.005	<0.01	<0.005	0.048	0.009	0.01
97160	d	03/09/1995	<0.0005	4.81	0.171	<0.05	0.007	<0.01	<0.005	0.059	0.014	0.025
8208	e	03/24/1994	<0.0003	8.59	0.0642	<0.0003	0.0057	<0.005	<0.0001	0.084	0.011	0.0041
8209	e	04/04/1994	<0.0003	7.46	0.0278	<0.0003	0.0073	<0.005	<0.0001	0.0749	0.01	0.0039
8210	e	04/12/1994	<0.0003	6.86	0.0464	<0.0003	0.0071	<0.005	<0.0001	0.0682	0.022	0.0089
8211	e	04/20/1994	<0.0003	8.48	0.35	<0.0003	0.019	0.005	<0.0001	0.279	0.044	0.022
97032	e	12/05/1994	<0.0005	5.47	0.022	<0.05	<0.005	<0.01	<0.005	0.058	0.008	0.012
97049	e	12/15/1994	<0.0005	5.58	0.013	<0.05	<0.005	<0.01	<0.005	0.064	0.005	<0.01
97075	e	01/04/1995	<0.0005	5.56	0.021	<0.05	<0.005	<0.01	<0.005	0.064	0.008	<0.01
97089	e	01/13/1995	<0.0005	4.95	0.04	<0.05	<0.005	<0.01	<0.005	0.06	0.009	0.01
97097	e	01/18/1995	<0.0005	5.98	0.028	<0.05	<0.005	<0.01	<0.005	0.068	0.009	0.014
97115	e	01/24/1995	<0.0005	7	0.031	<0.05	<0.005	<0.01	<0.005	0.073	0.011	<0.01
97120	e	01/27/1995	<0.0005	10.1	0.071	<0.05	0.011	<0.01	<0.005	0.097	0.022	0.02
97176	e	03/13/1995	<0.0005	6.63	0.094	<0.05	0.009	<0.01	<0.005	0.071	0.018	0.021

a: grab sample LCC at Stilson Canyon

b: sample LCC at Forest Rd. and Humboldt Ave.

c: grab sample LCC at Taffee Rd.

d: grab sample LCC at Ord Ferry Rd.

e: grab sample LCC at Llano Seco

Table C2. FWS Sample Results, Dry Weight Sediment and Tissue Samples

Sample Number	Sample Location	Date	Dry Weight (mg/L)									
			Al	As	B	Ba	Be	Ca	Cd	Cr	Cu	Fe
Sediments												
8241	h	03/02/1994	33900	3.7	6.2	267	0.86	na	0.3	81.5	39	31400
8242	h	03/24/1994	31500	na	5	247	0.83	na	0.4	82	41	32200
8243	h	04/04/1994	29000	3.5	4.6	269	0.79	na	0.3	76.5	38	29600
8244	g	03/24/1994	28700	4.6	3.8	187	0.84	na	0.4	79	40	33000
8245	g	04/04/1994	35200	4.1	3.9	183	0.9	na	0.4	91.6	50.8	37400
8246	g	04/12/1994	34100	4.1	4	196	0.93	na	0.5	88.4	50.1	37300
8247	e	03/24/1994	37000	2.7	4.4	155	0.83	na	0.5	89.6	56.4	32600
8248	e	04/04/1994	31400	2.2	5.6	139	0.75	na	0.3	81.1	48	30400
8249	e	04/12/1994	28200	1.9	4.2	118	0.62	na	0.4	74.8	39	25800
8250	e	04/20/1994	42500	2.6	5.4	165	0.85	na	0.5	102	56.9	36400
8251	c	03/24/1994	24100	1.2	2	77.6	0.52	na	0.5	48	18	22700
8252	c	04/04/1994	18300	1.5	2	73	0.47	na	0.82	44	17	20800
8253	c	04/12/1994	26700	1.9	3.3	85.9	0.65	na	0.2	61.3	22	27000
8254	c	04/20/1994	16700	1.5	2	58	0.44	na	0.2	41	15	19300
97401	h	04/24/1995	39630	6.2	18.3	278	1.9	na	<0.2	93.2	46.8	34701
97402	e	04/24/1995	49941	6.1	<10	203	2.32	na	0.25	103	58.9	43606
97403	f	04/24/1995	53689	5.2	11.9	206	2.39	na	<0.2	114	54.7	42496
97404	h	05/18/1995	40667	5.2	14	280	1.98	na	<0.2	97.6	45.8	37178
97405	g	05/18/1995	46205	6.2	<10	221	1.89	na	<0.2	105	50.1	42797
97406	f	05/18/1995	58783	6.2	12.3	228	2.13	na	<0.2	122	57.2	45458
97407	e	05/18/1995	43289	4.6	<10	167	1.63	na	<0.2	99.8	47.1	34974
97408	e	06/06/1995	39316	6.3	<10	226	1.56	na	<0.2	94.6	41.9	34379
Whole Body												
8255	c	04/20/1994	886	na	<1	10.4	<0.04	na	0.34	5.4	8.6	719
8256	c	04/20/1994	767	na	<2	9.76	<0.07	na	0.37	3.6	8.4	619
Invertebrate												
**8257	h	03/02/1994	2700	na	<100	527	<4	na	3.9	<40	100	2500
**8258	g	03/24/1994	2990	na	<3	27.1	<0.1	na	0.47	20	21	2480
*97343	h	02/16/1995	7760	3.7	6.73	152	0.29	na	0.3	16.2	17.5	6082
*97346	f	02/16/1995	15905	5.4	6.4	106	0.55	na	0.4	33	23.9	13562
*97348	g	02/24/1995	12547	4.5	2.73	98.1	<0.1	na	0.6	24.2	20.3	9720
*97352	h	02/24/1995	7458	3.2	6.56	159	0.28	na	0.5	14.1	15.3	5741
*97354	g	03/02/1995	6922	3.9	50.1	101	0.27	na	0.8	14.7	18.3	5414
*97357	g	03/08/1995	7229	4.2	2.9	98.4	0.27	na	1.4	13.5	17	5532

** Common Name: Copepods, Family: Diaptomidae

* Common Name: Water Flea, Family: Cladoceran, Genus: Daphnia

a: LCC at Stilson Canyon

b: sample LCC at Forest Rd. and Humboldt Ave.

c: sample LCC at Taffee Rd.

d: sample LCC at Ord Ferry Rd.

e: sample LCC at Llano Seco

f: sample Beehive vernal pool on Llano Seco

g: sample Feedlot vernal pool at Llano Seco

h: sample Sanctuary II Tract 5 West venal pool on Llano Seco

na: not available/data missing

Table C2. (Continued) FWS Sample Results, Dry Weight Sediment and Tissue Samples

Sample Number	Sample Location	Date	Dry Weight (mg/L)									
			Hg	Mg	Mn	Mo	Ni	Pb	Se	Sr	V	Zn
Sediments												
8241	h	03/02/1994	0.021	8800	845	<0.3	78	20	0.08	48.2	98	63.4
8242	h	03/24/1994	0.024	8030	782	<0.3	79.8	23	0.1	44.3	93.6	68.2
8243	h	04/04/1994	0.024	7240	1090	<0.3	78.9	21	0.06	43.1	89.1	61.7
8244	g	03/24/1994	0.028	7110	758	<0.3	75.4	22	0.07	39.4	99	61.7
8245	g	04/04/1994	0.057	8230	520	<0.3	78.1	33	0.099	41.6	110	86.4
8246	g	04/12/1994	0.05	8220	580	<0.3	77.2	31	0.1	44	111	85.1
8247	e	03/24/1994	0.067	8110	402	<0.3	76.3	30	0.17	60	115	88.2
8248	e	04/04/1994	0.068	7290	348	<0.3	69.5	27	0.13	53.3	102	78
8249	e	04/12/1994	0.048	6210	300	<0.3	61.3	22	0.14	49.7	79.3	63.2
8250	e	04/20/1994	0.061	8440	430	<0.3	81	30	0.16	64	108	92.1
8251	c	03/24/1994	0.022	5410	354	<0.3	43	31	0.08	77.1	91.2	55.2
8252	c	04/04/1994	0.02	5320	377	<0.3	41	25	0.18	48.5	75.5	54.1
8253	c	04/12/1994	0.024	5090	391	<0.3	47	33	<0.03	60.7	116	94.1
8254	c	04/20/1994	0.032	5400	293	<0.2	40	32	0.04	40.2	77.5	48.4
97401	h	04/24/1995	0.03	8775	943	<5	91	8	1.1	47	111	83.4
97402	e	04/24/1995	0.05	10940	1109	<5	95.3	11	1	60.6	120	110
97403	f	04/24/1995	0.03	9625	789	<5	93.8	11	<1	68.9	134	95.2
97404	h	05/18/1995	0.02	8726	863	<5	97.8	9	<1	44.6	110	96.2
97405	g	05/18/1995	0.04	8047	899	<5	98.9	23	<1	43.5	123	101
97406	f	05/18/1995	0.05	10173	773	<5	105	12	1	72.8	142	118
97407	e	05/18/1995	0.03	8509	736	<5	84.5	7	<1	58.2	119	72.8
97408	e	06/06/1995	0.02	7585	1299	<5	86.5	7	<1	61	129	68.1
Whole Body												
8255	c	04/20/1994	0.08	1590	25.2	<0.2	1.9	1.44	0.45	39.5	2.8	127
8256	c	04/20/1994	0.1	1670	22.3	<0.4	1.6	1.2	0.62	38.7	2.1	140
Invertebrate												
**8257	h	03/02/1994	<5	1800	140	<30	20	36	<6	295	30	60
**8258	g	03/24/1994	<0.1	1370	48.5	<1	7.7	1.6	0.97	16.3	8.6	85.7
*97343	h	02/16/1995	0.06	3321	293	<2	18.9	1.4	0.5	148	27.4	86.7
*97346	f	02/16/1995	0.17	4207	679	<2	32	3.3	0.5	143	46.9	96.7
*97348	g	02/24/1995	0.06	3363	270	<2	27.3	2.7	<0.5	82.4	35	90.7
*97352	h	02/24/1995	0.07	2877	274	<2	16	1.4	0.5	198	20.8	75.7
*97354	g	03/02/1995	0.06	2620	202	<2	15.8	1.5	<0.5	143	20.3	85.2
*97357	g	03/08/1995	0.06	2567	144	2.14	15.3	1.8	1	191	18.7	82

** Common Name: Copepods, Family: Diaptomidae

* Common Name: Water Flea, Family: Cladoceran, Genus: Daphnia

a: LCC at Stilson Canyon

b: sample LCC at Forest Rd. and Humboldt Ave.

c: sample LCC at Taffee Rd.

d: sample LCC at Ord Ferry Rd.

e: sample LCC at Llano Seco

f: sample Beehive vernal pool on Llano Seco

g: sample Feedlot vernal pool at Llano Seco

h: sample Sanctuary II Tract 5 West venal pool on Llano Seco

na: not available/data missing

Table C3. Biological metrics by reach for macroinvertebrates sampled from Little Chico Creek April 2002

StationID	LCCA 4/02			LCCB 4/02			LCCD 4/02		
Transect Number	**1**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**3**
ABL Laboratory Number	8223	8224	8225	8226	8227	8228	8229	8230	8231
Taxonomic Richness	20	23	28	11	12	10	15	15	15
Percent Dominant Taxon	33	17	20	61	56	47	22	29	43
Ephemeroptera Taxa	4	4	6	2	1	2	2	3	2
Plecoptera Taxa	2	1	3	0	0	0	0	0	0
Trichoptera Taxa	3	4	5	0	0	0	0	0	0
EPT Taxa	9	9	14	2	1	2	2	3	2
EPT Index (%)	54	73	66	7	6	4	16	13	10
Sensitive EPT Index (%)	34	54	44	7	6	4	14	12	10
Percent Chironomidae	43	22	30	86	83	87	50	23	56
Percent Hydropsychidae	11	8	10	0	0	0	0	0	0
Percent Baetidae	9	10	10	0	0	0	3	1	0
Shannon Diversity	2.2	2.4	2.5	1.2	1.3	1.3	2.2	2.0	1.9
Tolerance Value	3.3	2.2	2.8	5.0	5.2	5.5	5.3	5.4	5.5
Percent Intolerant Taxa (0-2)	36	57	46	10	16	7	0	13	11
Percent Tolerant Taxa (8-10)	1	1	1	8	14	13	9	35	15
Percent Collectors	48	40	39	97	92	91	60	60	81
Percent Filterers	18	12	17	0	6	7	34	5	7
Percent Grazers	31	46	39	2	1	2	5	34	12
Percent Predators	1	0	2	1	2	0	1	1	0
Percent Shredders	2	1	2	0	0	0	0	0	0

Table C4. Five most abundant taxa by reach for macroinvertebrates from Little Chico Creek April 2002

StationID	1	2	3	4	5
LCCA4/02	Orthocladiinae (23.9)	Epeorus (19.2)	Baetis (9.7)	Agapetus (9.2)	Hydropsyche (8.4)
LCCB4/02	Orthocladiinae (83.1)	Naididae (6.1)	Ephemerella (5.0)	Simulium (1.3)	Chironomini (0.9)
LCCD4/02	Orthocladiinae (20.1)	Chironomini (19.1)	Crangonyx (13.2)	Physa/ Physella (13.1)	Tanytarsini (6.7)

NOTE: Numbers in parentheses are % of total taxa observed.

Table C5. Taxa list and abundance calculations for the benthic macroinvertebrates sampled from Little Chico Creek April 2002, identified by Ryan Brosius

							LCCA 4/02				LCCB 4/02				LCCD 4/02			
								Subsamples				Subsamples				Subsamples		
Order	Family	Tribe	Taxon	Life Stage	TV	FFG	1	2	3	Total	1	2	3	Total	1	2	3	Total
Coleoptera																		
	Dytiscidae																	
			Hydroporus sp.	Adults	5	p	--	--	--	--	--	--	--	--	--	1	--	1
	Dytiscidae			Larvae	5	p	--	1	--	1	--	--	--	--	--	--	--	--
	Elmidae																	
			Optioservus sp.	Adults	4	g	--	1	--	1	--	--	--	--	--	--	--	--
			Zaitzevia sp.	Larvae	4	c	--	1	--	1	--	--	--	--	--	--	--	--
	Psephenidae																	
			Psephenus sp.	Larvae	4	g	--	1	--	1	--	--	--	--	--	--	--	--
Diptera																		
	Chironomidae																	
		Chironomini			6	c	3	2	10	12	2	4	2	6	5	6	105	111
		Chironomini		Pupae	--	--	--	--	--	--	--	--	--	--	--	1	--	1
		Tanytarsini			6	f	19	7	14	21	1	2	5	7	26	5	10	15
		Tanytarsini		Pupae	--	--	3	1	3	4	--	--	--	--	--	--	--	--
					5	c	96	33	57	90	172	70	105	175	48	16	16	32
				Pupae	--	--	3	4	1	5	67	159	132	291	32	6	5	11
					6	p	1	--	2	2	--	--	--	--	--	--	--	--
				Pupae	--	--	--	1	1	2	--	1	--	1	--	--	--	--
	Empididae				6	p	--	--	--	--	1	1	--	1	--	--	--	--
			Clinocera sp.		6	p	--	--	1	1	--	--	--	--	--	--	--	--
			Neoplasta sp.		--	--	2	2	4	6	--	--	--	--	--	--	--	--
	Empididae			Pupae	--	--	2	1	2	3	--	--	--	--	--	--	--	--
	Simuliidae																	
			Simulium sp.		6	f	1	--	1	1	--	5	6	11	34	--	5	5
	Tipulidae																	
			Antocha sp.		3	c	--	2	--	2	--	--	1	1	--	--	--	--
			Dicranota sp.		3	p	--	--	1	1	--	--	--	--	--	--	--	--

Table C5. (Continued) Taxa list and abundance calculations for the benthic macro invertebrates sampled from Little Chico Creek April 2002, identified by Ryan Brosius

							LCCA 4/02				LCCB 4/02				LCCD 4/02			
				Life				Subsamples				Subsamples				Subsamples		
Order	**Family**	**Tribe**	**Taxon**	**Stage**	**TV**	**FFG**	**1**	**2**	**3**	**Total**	**1**	**2**	**3**	**Total**	**1**	**2**	**3**	**Total**
Ephemeroptera																		
	Ameletidae																	
			Ameletus sp.		0	g	--	--	--	--	--	--	--	--	--	1	--	1
	Baetidae																	
			Baetis sp.		5	c	26	23	30	53	--	--	--	--	6	2	1	3
	Ephemerellidae																	
			Drunella sp.		0	g	12	26	24	50	4	--	3	3	--	--	--	--
			Ephemerella sp.		1	c	8	22	9	31	17	18	7	25	--	17	24	41
			Serratella sp.		2	c	--	--	1	1	--	--	--	--	--	--	--	--
	Ephemeridae																	
			Ephemera sp.		3	c	--	--	--	--	--	--	--	--	30	--	--	0
	Heptageniidae																	
			Epeorus sp.		0	g	60	38	58	96	--	--	--	--	--	--	--	--
			Rhithrogena sp.		0	g	--	--	1	1	--	--	--	--	--	--	--	--
Hemiptera																		
	Corixidae				10	p	--	--	--	--	--	--	--	--	1	--	1	1
Megaloptera																		
	Corydalidae				0	p	--	--	--	--	1	1	--	1	--	--	--	--
Odonata																		
	Coenagrionidae																	
			Argia sp.		7	p	--	--	1	1	--	--	--	--	--	--	--	--
Plecoptera																		
	Perlodidae																	
			Isoperla sp.		2	p	1	--	1	1	--	--	--	--	--	--	--	--
			Osobenus sp.		--	--	--	--	1	1	--	--	--	--	--	--	--	--
	Pteronarcyidae																	
			Pteronarcys sp.		0	s	6	3	7	10	--	--	--	--	--	--	--	--

Table C5. (Continued) Taxa list and abundance calculations for the benthic macro invertebrates sampled from Little Chico Creek April 2002, identified by Ryan Brosius

							LCCA 4/02				LCCB 4/02				LCCD 4/02			
								Subsamples				Subsamples				Subsamples		
Order	Family	Tribe	Taxon	Life Stage	TV	FFG	1	2	3	Total	1	2	3	Total	1	2	3	Total
Trichoptera																		
	Glossosomatidae																	
			Agapetus sp.		0	g	14	32	29	61	--	--	--	--	--	--	--	--
	Hydropsychidae																	
			Cheumatopsyche sp.		5	f	8	2	3	5	--	--	--	--	--	--	--	--
			Hydropsyche sp.		4	f	24	16	28	44	--	--	--	--	--	--	--	--
	Philopotamidae																	
			Chimarra sp.		4	f	--	1	2	3	--	--	--	--	--	--	--	--
	Rhyacophilidae																	
			Rhyacophila sp.		0	p	--	--	1	1	--	--	--	--	--	--	--	--
Amphipoda																		
	Crangonyctidae																	
			Crangonyx sp.		4	c	--	--	--	--	--	--	--	--	16	40	25	65
Lumbricina					--	c	--	--	--	--	--	--	--	--	1	--	8	8
Lumbriculida																		
	Lumbriculidae				8	c	3	3	3	6	1	--	--	0	1	--	3	3
Tubificida																		
	Enchytraeidae				10	c	--	--	--	--	1	--	--	0	--	--	--	--
	Naididae				10	c	--	--	--	--	16	16	20	36	3	2	1	3
	Tubificidae				--	--	--	--	--	--	--	5	1	6	5	6	11	17
Veneroida																		
	Pisidiidae																	
			Pisidium sp.		8	f	--	--	--	--	--	--	--	--	2	2	1	3
Basommatophora																		
	Physidae																	
			Physa/ Physella		8	g	1	--	--	--	--	1	--	1	10	44	26	70
	Planorbidae																	
			Planorbella sp.		7	g	--	--	--	--	--	--	--	--	--	2	--	2