

## Appendix II.

Site Name	Collection No.	Sample Date	Collection Type	GPS Northing	GPS Easting	Disturbance Type	Disturbance Level	Spring Type	Water Depth (cm)	Water Width (cm)	Current Velocity (cm/sec)	Water Temp. (oC)
DWP28A*	99-1	3VI99	Source			Livestock	Slight	Rheocrene	1.2	39	10.2	23.0
DWP28A*	99-2	3VI99	Channel			Livestock	Slight		1.8	54	6.5	23.0
DWP28B*	99-3	3VI99	Source			Livestock	Moderate	Rheocrene	2.5	37	2.5	24.0
DWP28B*	99-4	3VI99	Channel			Livestock	Moderate		1.8	79	9.9	24.0
DWP28C*	99-5	3VI99	Source				Naturalized	Rheocrene	4.7	52	54.2	29.5
DWP28C	99-6	3VI99	Channel			Impoundment	High		1.5	25000	0	28.0
DG76A*	99-7	3VI99	Source			Dredged	High	Rheocrene	1	58	2.8	14.0
DG76A	99-8	3VI99	Channel				Naturalized		1	40	3	14.0
DG76B*	99-9	3VI99	Source				Naturalized	Rheocrene	2.4	38	25.7	14.5
DG76B*	99-10	3VI99	Channel				Naturalized		1.9	57	32.4	14.5
DWP17*	99-11	3VI99	Source			Dredged	Naturalized	Rheocrene	15.4	486	9.4	20.0
DWP17*	99-12	3VI99	Channel			Dredged	Naturalized		16	195	50.3	20.0
DG83*	99-13	4VI99	Source			Diversion/Camping	High	Rheocrene	0.5	31	3.7	19.0
DG83*	99-14	4VI99	Channel			Camping	Moderate		1	31	3.9	19.0
DG82	99-15	4VI99	Composite				Undisturbed	Rheocrene	0.5	200	0.5	15.5
DG81*	99-16	4VI99	Source			Old Residence	Moderate	Rheocrene	1.1	37	2.9	14.5
DG81*	99-17	4VI99	Channel			Old Residence	Moderate		0.7	26	2.5	14.5
DWP22*	99-18	4VI99	Composite			Dredged	High	Helocrene	1.2	362	0	15.0
DWP27*	99-19	17VI99	Source			Diversion	Moderate	Rheocrene	0.5	72	1	20.0
DG31*	99-20	17VI99	Source				Undisturbed	Rheocrene	1	50	5	20.0
DG31	99-21	17VI99	Channel				Naturalized		4.3	64	18.6	18.0
DGNOGR*	99-22	17VI99	Source				Undisturbed	Helocrene	1	1554	0	18.0
DWP26*	99-23	17VI99	Channel				Undisturbed	Stream	18.2	296	70.1	22.5
DWP26*	99-24	17VI99	Channel			Livestock	Slight	Stream	27.7	418	64.5	17.0
IND56	99-25	5VIII99	DRY									
IND215	99-26	5VIII99	DRY									
IND102	99-27	5VIII99	Source			Livestock	Slight		1	30	0	22.0
IND168	99-28	5VIII99	DRY									
IND182	99-29	5VIII99	Source			Diversion	High	Well	15	250	10	21.0
IND182	99-30	5VIII99	Channel			Impoundment	High		100	50000	0	22.0
BLK133	99-31	5VIII99	Channel			N/A	N/A		30	500	0	17.0
U24*	99-32	11VII99	Source			Livestock	Slight	Rheocrene	4.4	586	2.6	22.6
U24*	99-33	11VII99	Channel			Livestock	Slight		2.1	282	0	25.4
DWP1	99-34	11VII99	Channel			Dredged/Impounded	High	?	75	50000	0	25.7
DWP23	99-35	11VII99	Channel				Undisturbed		1	70000	0	23.6
U22	99-36	11VII99	Source			Livestock	High	Helocrene	1	200	0	26.2

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U21*	99-37	11VII99	Source			Livestock	Moderate	Rheocrene	3.7	108	0.9	22.0
U22	99-38	11VII99	Channel			Livestock	Slight		1	80.4	0	23.6
U21*	99-39	11VII99	Channel			Livestock	Slight		2.5	102	0.3	26.1
U22	99-40	11VII99	Channel				Undisturbed		0.5	200	0	28.2
U20	99-41	11VII99	Channel				Undisturbed		0.05	20000	0	19.0
U20*	99-42	11VII99	Channel			Livestock	Slight		2.3	40	0.9	23.0
U19*	99-43	11VII99	Channel			Livestock	Slight		4.2	80	6.7	25.1
U19	99-44	11VII99	Source			Livestock	Slight	Helocrene	0.5	64	0.5	25.0
IPT3	99-45	12VII99	Source			Diversion	High	Rheocrene	1	10	2	19.0
U49	99-46	12VII99	Source			Diversion	High	Rheocrene	0.5	75	---	18.0
U48	99-47	12VII99	DRY									
DG123*	99-48	12VII99	Channel				Undisturbed		88.2	164	3	17.0
DG123*	99-49	12VII99	Source			Diversion/Impounded	High	Rheocrene	87.5	648	0	23.0
DWP20	99-50	12VII99	Source			Diversion	Slight	Rheocrene	1	75	3	12.0
DWP20	99-51	12VII99	Channel			Livestock	Slight		1	25	3	14.5
DWP21A	99-52	13VIII99	Source			Livestock	Slight	Helocrene	0.5	200	0	20.0
DWP21B	99-53	13VIII99	Channel			Diversion	High		30	70	0	14.0
DWP21B	99-54	13VIII99	Source			Livestock	Moderate	Helocrene	0.5	100	0	19.0
U52*	99-55	13VIII99	Channel			Diversion	High		8.7	143	39.9	45.0
DWP23	99-56	3XI99	Channel			Diversion	Moderate		5	2000	0	20.0
U59*	99-57	3XI99	Source				Undisturbed	Rheocrene	2.6	77	6.7	8.5
U59*	99-58	3XI99	Channel			Livestock	Moderate		1.2	63.8	11.3	11.5
U62	99-59	3XI99	Source			Livestock	Moderate	Helocrene	20	150	0	13.0
U62	99-60	3XI99	Channel			Livestock	Moderate		3	27.6	10	14.0
U18	99-61	3XI99	Composite			Livestock	Slight	Helocrene	1	1000	0	24.0
U32	99-62	9VII99	DRY									
U45	99-63	9VII99	DRY									
U44	99-64	9VII99	Source				Undisturbed	Helocrene	1	100	0	24.0
U47	99-65	9VII99	DRY									
U45	99-66	9VII99	Composite				Undisturbed		0.5	2000	0	18.0
U44	99-67	9VII99	Composite				Undisturbed		1	5000	0	20.0
U43	99-68	9VII99	Composite				Undisturbed		1	5000	0	18.0
U42	99-69	9VII99	Composite				Undisturbed		30	2000	0	18.0
U42	99-70	9VII99	Composite				Undisturbed		2	200	0	28.0
U41	99-71	9VII99	Source				Undisturbed	Helocrene?	2	2000	0	25.0
U34	99-72	9VII99	Composite			Diversion	High	Well	1	1500	1	30.0

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U35	99-73	9VII99	Channel			Diversion	High	Well	0.5	500	1	32.0
U60	99-74	8IX99	Source				Undisturbed	Rheocrene	0.5	50	2	14.3
U60*	99-75	8IX99	Channel				Undisturbed		7.3	75.2	10.7	13.1
DWP24	99-76	9IX99	Channel			Diversion	High	Ditch	24.6	174	24.7	18.8
DG270	99-77	9IX99	DRY									
DWP16	99-78	3VI99	DRY									
DWP18	00-1	19VI00	Channel			Diversion	Slight	Stream	27.6	230	27.6	11.4
DWP18	00-2	19VI00	Channel			Livestock	Slight	Stream	47.9	214	156.1	11.1
DWP36*	00-3	19VI00	Source			Diversion	Naturalized	Rheocrene	11.3	142	13.8	15.6
DWP36*	00-4	19VI00	Channel				Undisturbed		21.1	184	8.2	15.6
DWP35	00-5	19VI00	Source			Livestock	Slight	Helocrene	5	300	0	14.4
DWP35	00-6	19VI00	Source			Livestock	Slight	Helocrene	5	200	0	16.8
DWP13*	00-7	19VI00	Channel				Undisturbed		3.5	34	27.3	16.1
DWP13	00-8	19VI00	Source				Undisturbed	Rheocrene	3	200	40	15.8
U30	00-9	21VI00	DRY									
U33	00-10	21VI00	Source				Naturalized	Helocrene	5	200	0	19.0
U33	00-11	21VI00	Channel				Undisturbed		5	75	0	16.0
U31	00-12	21VI00	Source	4038040.0	421601.6		Undisturbed	Helocrene	5	75	0	18.0
U25	00-13	21VI00	Channel	4039078.3	420111.1	Livestock	Slight		10	15	0	21.1
U26	00-14	21VI00	Channel	4039153.3	420063.1	Livestock	Slight		10	15	0	23.7
U27	00-15	21VI00	Source	4039238.7	419997.6	Livestock	Slight	Rheocrene	5	75	0.5	22.4
U28	00-16	21VI00	Source	4039292.1	419958.3	Livestock	Slight	Well	3	75	7	22.4
U29	00-17	21VI00	Source	4039124.8	419775.4	Diversion	Slight	Rheocrene	2	200	5	22.3
U29	00-18	21VI00	Channel	4039178.2	419827.7		Undisturbed		0.5	15000	0.5	33.1
U1	00-19	21VI00	Source	4024086.7	408919.7	Dredged	High	?	150	5000	0	18.7
DWP2A	00-20	21VI00	Source	4031610.2	409240.2	Livestock	High	Rheocrene	20	300	0	27.8
DWP2A	00-21	21VI00	Channel	4031654.0	409244.7	Livestock	Slight		3	100	1	35.8
DWP2B	00-22	21VI00	Composite	4031840.5	409186.9	Livestock	Moderate	Rheocrene	2	300	1	20.9
DWP2C	00-23	21VI00	Channel	4031844.2	4031844.2	Livestock	Moderate		3	100	0	35.8
DWP3	00-24	21VI00	Source	4039881.0	408576.4		Undisturbed	Helocrene	1	500	0	31.6
DWP4A	00-25	21VI00	Source	4044384.5	405405.2		Undisturbed	Helocrene	0.5	300	0	18.3
DWP4B	00-26	21VI00	Source	4044509.9	404990.6		Undisturbed	Rheocrene	1	30	10	18.8
DWP4B	00-27	21VI00	Channel	4044606.2	405044.0	Road Maintenance	Slight		5	150	5	18.3
DWP33	00-28	22VI00	Source	4139109.7	367278.1		Naturalized	?	0.5	150	0	18.1
DWP30	00-29	22VI00	Channel	4138576.3	358515.9	Livestock	Slight		1	75	7	16.0
DWP30	00-30	22VI00	Source	4138052.4	357874.6	Livestock	Slight	Rheocrene	12	150	15	12.5

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DG93	00-31	22VI00	Source	ND	ND		Undisturbed	Rheocrene	1	50	20	13.2
DG93	00-32	22VI00	Channel	4146715.0	355252.8		Undisturbed		2	20	20	13.7
DWP31A	00-33	23VI00	Channel	ND	ND	Diversion	Naturalized		7	50	15	12.3
DWP31A	00-34	23VI00	Source	ND	ND		Undisturbed	Rheocrene	3	30	40	10.9
DWP31B	00-35	23VI00	Source	ND	ND		Undisturbed	Rheocrene	3	50	70	11.3
LPT11	00-36	26VI00	Composite	4041370.7	408027.7	Livestock	Slight	Helocrene	1	2500	0	21.0
DG170	00-37	26VI00	DRY	4043287.5	405961.4							
DG175	00-38	26VI00	DRY	4047599.0	394324.1							
DG176	00-39	26VI00	Source	4047946.4	394373.9		Undisturbed	Helocrene	0.5	200	0	15.7
DG177	00-40	26VI00	DRY									
P.Hubbard	00-41	26VI00	DRY	4050227.2	399613.5							
U10	00-42	26VI00	Source	4046716.8	403164.0		Undisturbed	Helocrene	1	250	0	20.9
DWP8A	00-43	26VI00	Source	4048591.2	401872.4	Livestock	Slight	Rheocrene	7	500	1.5	19.3
DWP8B	00-44	26VI00	Source	4047936.8	401281.1	Impoundment	High	?	1	20	0	25.4
DWP8C	00-45	26VI00	Source	4048489.3	400860.6	Diversion	Naturalized	Rheocrene	5	200	0	18.9
DWP5	00-46	26VI00	Source	4050223.3	400574.2	Diversion	Naturalized	Rheocrene	2	75	0	18.5
DG64	00-47	26VI00	DRY	4051249.1	402022.5							
DWP12A	00-48	26VI00	Source	4072326.8	386341.5	Diversion	Naturalized	Rheocrene	5	75	3	15.1
DWP12A	00-49	26VI00	Channel	ND	ND	Diversion/Livestock	Naturalized		1	50	5	21.0
DWP12B	00-50	26VI00	Source	ND	ND	Dredging/Livestock	Naturalized	?	50	600	0	18.1
DWP9A	00-51	27VI00	Source	4057577.2	402194.3		Undisturbed	Helocrene	0.5	200	0	24.3
DWP9B	00-52	27VI00	Channel	4057568.9	402324.5		Undisturbed		0.5	100	0	18.2
DWP9B	00-53	27VI00	Source	4057462.9	402187.8		Undisturbed	Rheocrene	0.05	300	0	24.7
DWP6	00-54	27VI00	DRY	4056843.3	397797.9							
DWP6	00-55	27VI00	Source	4058224.9	398206.2	Diversion	High	?	3	75	0	18.1
DWP7	00-56	27VI00	Source	4061002.7	401203.4	Diversion/Livestock	Moderate	Rheocrene	7	10000	5	17.2
DWP7	00-57	27VI00	Channel	4061094.1	401194.1	Dredged/Diverted	High		75	2500	3	17.4
Union Wash	00-58	27VI00	DRY									
DWP10	00-59	27VI00	Channel			Irrigation Ditch	High		1	300	0	18.7
DG181	00-60	27VI00	Source	ND	ND	Homesite	Naturalized	Rheocrene	0.5	100	2	16.0
DG181	00-61	27VI00	Channel	4073584.4	384015.9	Diversion	Naturalized		0.5	50	0	17.2
IPT5	00-62	27VI00	DRY	4092478.3	391855.7							
DG72A	00-63	28VI00	Source	4077483.6	385990.1	Livestock	Naturalized	Helocrene	0.5	1000	0	15.6
DG72B	00-64	28VI00	Source	4077419.7	386167.6	Livestock	Naturalized	Helocrene	0.5	1000	0	16.5
DG72A	00-65	28VI00	Channel	4077482.0	386110.6	Livestock	Naturalized		4	200	3	21.6
DWP11	00-66	28VI00	DRY	4081460.5	390536.6							

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Site Name	Collection No.	Sample Date	Collection Type	GPS Northing	GPS Easting	Disturbance Type	Disturbance Level	Spring Type	Water Depth (cm)	Water Width (cm)	Current Velocity (cm/sec)	Water Temp. (oC)
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
DGRVAS	00-69	3VII00	Composite	4142476.6	360544.0	Livestock	Slight	Helocrene	2	500	0	22.5
DWP32A	00-70	3VII00	Source	ND	ND	Diversion	Slight	Rheocrene	20	150	15	16.8
DWP32B	00-71	3VII00	Source	ND	ND	Diversion	Moderate	Rheocrene	10	100	7	16.9
DWP32C	00-72	3VII00	Source	4144864.3	361458.1	Diversion	Moderate	Rheocrene	50	400	0	17.2

## Appendix II.

Site Name	Sample No.	pH	Conductivity ( mhos/sec)	Bank	Emergent	Algae Present	CPOM Present	Incised Bank	Substrate (%)				
				Cover (%)	Cover (%)				Muck	Sand	Gravel	Cobble	Boulder
DWP28A*	99-1	7.7	450	100	40	-	-	+	0	10	90	0	0
DWP28A*	99-2	7.7	450	100	70	-	-	+	20	10	50	20	0
DWP28B*	99-3	7.6	457	100	20	-	-	+	5	10	85	0	0
DWP28B*	99-4	7.6	457	90	30	-	-	+	0	20	80	0	0
DWP28C*	99-5	7.7	510	80	0	-	-	+	5	0	55	40	0
DWP28C	99-6	7.6	500	90	30	-	-	-	90	0	0	10	0
DG76A*	99-7	7.8	155	30	0	-	-	-	0	100	0	0	0
DG76A	99-8	7.8	155	30	0	-	-	-	10	90	0	0	0
DG76B*	99-9	8.1	150	100	0	-	-	+	0	0	100	0	0
DG76B*	99-10	8.1	150	100	0	-	-	+	0	0	100	0	0
DWP17*	99-11	6.8	1100	100	70	-	-	+	20	25	25	30	0
DWP17*	99-12	6.8	1100	100	70	-	-	+	0	10	80	10	0
DG83*	99-13	7.7	180	20	0	-	-	-	10	70	10	10	0
DG83*	99-14	7.7	180	0	0	-	-	-	10	70	20	0	0
DG82	99-15	8.0	180	100	100	-	-	+	0	100	0	0	0
DG81*	99-16	7.8	175	10	20	-	-	-	40	30	30	0	0
DG81*	99-17	7.8	175	10	0	-	-	-	40	50	10	0	0
DWP22*	99-18	6.6	350	15	80	-	-	-	80	20	0	0	0
DWP27*	99-19	7.9	145	20	0	-	-	+	0	100	0	0	0
DG31*	99-20	8.2	420	100	0	-	+	+	0	100	0	0	0
DG31	99-21	8.4	430	100	70	-	+	+	55	65	0	0	0
DGNOGR*	99-22	8.0	500	20	80	-	-	-	80	20	0	0	0
DWP26*	99-23	8.0	46	90	0	-	+	+	0	5	75	20	0
DWP26*	99-24	7.9	30	60	0	-	+	+	0	10	60	30	0
IND56	99-25												
IND215	99-26												
IND102	99-27	7.8	190	100	30	+	-	-	100	0	0	0	0
IND168	99-28												
IND182	99-29	7.9	255	100	100	+	-	-	100	0	0	0	0
IND182	99-30	7.8	275	100	40	+	+	-	30	70	0	0	0
BLK133	99-31	7.7	250	100	100	+	+	-	100	0	0	0	0
U24*	99-32	9.0	425	90	90	-	-	-	100	0	0	0	0
U24*	99-33	8.4	380	20	80	+	-	-	100	0	0	0	0
DWP1	99-34	8.3	----	30	5	-	-	-	100	0	0	0	0
DWP23	99-35	9.3	----	0	0	+	-	-	100	0	0	0	0
U22	99-36	7.6	----	20	80	-	-	-	100	0	0	0	0

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Site Name	Sample No.	pH	Conductivity ( mhos/sec)	Bank	Emergent	Algae Present	CPOM Present	Incised Bank	Substrate (%)				
				Cover (%)	Cover (%)				Muck	Sand	Gravel	Cobble	Boulder
U21*	99-37	7.1	----	90	0	-	-	-	100	0	0	0	0
U22	99-38	8.6	----	100	5	+	-	-	100	0	0	0	0
U21*	99-39	8.1	----	90	10	+	-	-	100	0	0	0	0
U22	99-40	9.3	----	0	0	+	-	-	100	0	0	0	0
U20	99-41	9.6	----	0	0	+	-	-	100	0	0	0	0
U20*	99-42	8.1	----	100	0	+	-	+	100	0	0	0	0
U19*	99-43	8.2	----	90	0	+	-	+	100	0	0	0	0
U19	99-44	7.6	----	100	80	-	-	-	100	0	0	0	0
IPT3	99-45	8.0	170	100	0	-	+	-	20	80	0	0	0
U49	99-46	8.1	405	60	90	-	+	-	10	40	60	0	0
U48	99-47												
DG123*	99-48	7.9	455	100	80	+	+	+	50	50	0	0	0
DG123*	99-49	7.6	440	100	5	+	+	+	100	0	0	0	0
DWP20	99-50	7.0	148	100	100	-	-	+	80	0	0	20	0
DWP20	99-51	7.1	80	100	40	-	-	+	20	10	70	0	0
DWP21A	99-52	7.4	340	100	100	-	-	-	100	0	0	0	0
DWP21B	99-53	8.6	40	100	40	-	-	+	0	100	0	0	0
DWP21B	99-54	7.1	165	90	60	-	-	-	100	0	0	0	0
U52*	99-55	8.9	1200	10	0	+	-	+	20	20	60	0	0
DWP23	99-56	7.8	750	100	100	-	+	-	100	0	0	0	0
U59*	99-57	7.8	50	100	20	-	+	+	10	80	10	0	0
U59*	99-58	7.9	50	10	0	-	+	+	10	30	60	0	0
U62	99-59	7.3	110	90	100	-	-	+	100	0	0	0	0
U62	99-60	7.7	120	80	20	-	+	-	80	10	10	0	0
U18	99-61	8.2	8000	70	10	-	+	-	100	0	0	0	0
U32	99-62												
U45	99-63												
U44	99-64	8.2	2300	100	100	+	-	-	100	0	0	0	0
U47	99-65												
U45	99-66	7.5	2300	100	100	-	+	-	100	0	0	0	0
U44	99-67	7.9	3000	100	100	-	+	-	100	0	0	0	0
U43	99-68	7.4	1710	100	100	-	+	-	100	0	0	0	0
U42	99-69	8.9	6000	100	5	-	+	-	100	0	0	0	0
U42	99-70	9.1	6800	100	0	-	-	+	100	0	0	0	0
U41	99-71	8.2	3900	100	100	-	+	-	100	0	0	0	0
U34	99-72	9.9	3500	0	0	+	-	-	30	70	0	0	0

## Appendix II.

Site Name	Sample No.	pH	Conductivity ( mhos/sec)	Bank	Emergent	Algae Present	CPOM Present	Incised Bank	Substrate (%)				
				Cover (%)	Cover (%)				Muck	Sand	Gravel	Cobble	Boulder
U35	99-73	9.9	28000	0	0	+	-	-	30	70	0	0	0
U60	99-74	8.0	115	90	0	-	-	+	0	10	80	10	0
U60*	99-75	7.6	122	100	0	-	-	+	10	90	0	0	0
DWP24	99-76	8.1	186	70	10	-	+	+	100	0	0	0	0
DG270	99-77												
DWP16	99-78												
DWP18	00-1	7.8	40	80	0	-	-	+	0	15	15	60	30
DWP18	00-2	7.8	39	100	0	-	-	+	0	5	20	75	0
DWP36*	00-3	7.6	149	0	40	+	+	+	0	20	60	20	0
DWP36*	00-4	7.7	153	40	50	+	+	+	0	20	70	10	0
DWP35	00-5	7.7	168	100	100	-	-	-	0	100	0	0	0
DWP35	00-6	7.4	166	100	100	-	-	-	20	80	0	0	0
DWP13*	00-7	8.1	298	100	0	-	-	+	10	80	10	0	0
DWP13	00-8	8.1	300	100	0	-	-	-	0	0	80	10	10
U30	00-9												
U33	00-10	8.1	1620	100	100	-	-	-	100	0	0	0	0
U33	00-11	8.4	2010	100	20	-	-	-	100	0	0	0	0
U31	00-12	8.4	1720	100	40	-	-	-	100	0	0	0	0
U25	00-13	9.1	3315	100	20	-	-	-	100	0	0	0	0
U26	00-14	9.1	3515	100	20	-	-	-	100	0	0	0	0
U27	00-15	7.8	2270	100	90	+	-	-	100	0	0	0	0
U28	00-16	7.8	2130	100	40	-	-	-	100	0	0	0	0
U29	00-17	8.5	3500	0	0	-	-	-	10	90	0	0	0
U29	00-18	9.5	4075	0	0	+	-	-	20	80	0	0	0
U1	00-19	7.4	3100	100	90	+	+	+	100	0	0	0	0
DWP2A	00-20	7.1	175	100	30	-	-	-	100	0	0	0	0
DWP2A	00-21	7.4	180	90	40	-	-	-	100	0	0	0	0
DWP2B	00-22	8.3	270	90	10	-	-	-	20	70	10	0	0
DWP2C	00-23	8.5	445	40	10	-	-	-	0	10	90	0	0
DWP3	00-24	9.3	1690	100	95	-	-	-	100	0	0	0	0
DWP4A	00-25	7.8	208	100	100	-	-	-	100	0	0	0	0
DWP4B	00-26	8.0	180	100	100	-	-	+	0	10	60	20	10
DWP4B	00-27	8.0	197	100	100	-	+	+	20	50	30	0	0
DWP33	00-28	7.8	147	80	100	-	+	-	100	0	0	0	0
DWP30	00-29	7.9	110	100	70	-	+	-	0	20	80	0	0
DWP30	00-30	7.7	110	100	0	-	+	+	0	10	60	30	0

Appendix II.

Site Name	Sample No.	pH	Conductivity ( mhos/sec)	Bank	Emergent	Algae Present	CPOM Present	Incised Bank	Substrate (%)				
				Cover (%)	Cover (%)				Muck	Sand	Gravel	Cobble	Boulder
DG93	00-31	7.8	70	100	90	+	-	-	0	20	70	10	0
DG93	00-32	7.8	56	100	80	-	+	-	0	0	0	50	50
DWP31A	00-33	8.0	55	100	0	-	+	+	0	80	20	0	0
DWP31A	00-34	7.9	55	100	10	-	+	+	0	10	10	40	40
DWP31B	00-35	8.0	55	100	0	-	+	+	0	0	10	80	10
LPT11	00-36	8.1	1600	100	5	-	-	-	100	0	0	0	0
DG170	00-37												
DG175	00-38												
DG176	00-39	7.9	85	100	90	-	+	-	100	0	0	0	0
DG177	00-40												
P.Hubbard	00-41												
U10	00-42	7.1	1200	100	100	+	+	-	100	0	0	0	0
DWP8A	00-43	7.7	130	100	100	-	+	-	100	0	0	0	0
DWP8B	00-44	9.2	100	100	50	-	-	-	100	0	0	0	0
DWP8C	00-45	7.4	125	75	100	-	+	+	100	0	0	0	0
DWP5	00-46	7.6	130	100	100	-	-	+	20	80	0	0	0
DG64	00-47												
DWP12A	00-48	7.4	260	100	100	-	-	+	0	20	80	0	0
DWP12A	00-49	7.5	280	100	80	-	-	-	0	80	20	0	0
DWP12B	00-50	7.9	300	80	20	+	+	-	100	0	0	0	0
DWP9A	00-51	7.8	1230	100	100	-	+	-	10	90	0	0	0
DWP9B	00-52	8.2	1180	100	100	-	+	-	20	80	0	0	0
DWP9B	00-53	8.0	1220	100	100	-	+	-	20	80	0	0	0
DWP6	00-54												
DWP6	00-55	7.6	320	100	20	-	-	-	20	80	0	0	0
DWP7	00-56	7.8	240	100	80	-	+	+	0	20	80	0	0
DWP7	00-57	7.8	240	100	20	+	-	+	50	50	0	0	0
Union Wash	00-58												
DWP10	00-59	7.3	165	100	80	+	+	-	100	0	0	0	0
DG181	00-60	8.2	220	100	100	-	-	-	10	30	50	10	0
DG181	00-61	8.0	160	100	90	-	-	-	10	20	60	10	0
IPT5	00-62												
DG72A	00-63	7.8	230	100	100	-	-	-	5	10	85	0	0
DG72B	00-64	8.0	270	5	10	-	+	-	5	10	85	0	0
DG72A	00-65	8.4	250	100	80	-	+	+	30	60	10	0	0
DWP11	00-66												

Appendix II.

Site Name	Sample No.	pH	Conductivity ( mhos/sec)	Bank	Emergent	Algae Present	CPOM Present	Incised Bank	Substrate (%)				
				Cover (%)	Cover (%)				Muck	Sand	Gravel	Cobble	Boulder
DGRVAS	00-69	7.2	320	100	80	+	-	-	100	0	0	0	0
DWP32A	00-70	7.9	180	100	0	-	+	+	10	70	0	20	0
DWP32B	00-71	7.8	180	100	100	-	-	+	20	20	50	10	0
DWP32C	00-72	8.0	300	100	100	-	-	+	0	20	70	10	0

## Appendix II.

Site Name	Collection No.	Bank Stability	Notes	
DWP28A*	99-1	Good	North spring of complex	1
DWP28A*	99-2	Good	North spring of complex	1
DWP28B*	99-3	Good	Middle spring of complex	1
DWP28B*	99-4	Medium	Middle spring of complex	1
DWP28C*	99-5	Good	Fenced for pupfish refuge	1
DWP28C	99-6	Good	Artificial impoundment; pupfish refuge	1
DG76A*	99-7	Medium	Old foundations indicate the site was disturbed in the distant past, dense riparian	1
DG76A	99-8	Good	Old foundations indicate the site was disturbed in the distant past, dense riparian	1
DG76B*	99-9	Good	Dense riparian vegetation	1
DG76B*	99-10	Good	Dense riparian vegetation	1
DWP17*	99-11	Good	High quality spring; naturalized from past dredging	1
DWP17*	99-12	Good	High quality spring; naturalized from past dredging	1
DG83*	99-13	Poor	Small spring that is piped and heavily trampled by campers	1
DG83*	99-14	Poor	Sample site moderately impacted by campers	1
DG82	99-15	Good	High quality spring, springsnails common, dense watercress	1
DG81*	99-16	Poor		1
DG81*	99-17	Poor		1
DWP22*	99-18	Poor	Strong suflur odor, appears to be old mill site	1
DWP27*	99-19	Medium	Naturalized after past disturbance; woody riparian canopy	1
DG31*	99-20	Good	Dense wild rose thicket covers spring	1
DG31	99-21	Good	Open channel with cottonwood riparian; naturalized from past homestead	1
DGNOGR*	99-22	Poor	Woody riparian cover of cottonwood, willow, and rose; poor quality aquatic habitat	1
DWP26*	99-23	Good	A stream, not a spring; no springs in area where vegetation surveyed	1
DWP26*	99-24	Good	A stream, not a spring; no springs in area where vegetation surveyed	1
IND56	99-25		Open area that is periodically ponded by diversion; surrounded by salt cedar	1
IND215	99-26		Seasonally watered; willow, yerba mansa, Phragmites, & russian olive vegetation	1
IND102	99-27	Good	Very wet marsh, too unstable for cattle to enter, a seep, macroinverts taken from cattle footprints	1
IND168	99-28		Large depression w/ salt cedar and salt grass	1
IND182	99-29	Good	A well, not a spring	1
IND182	99-30	Good	A pond maintained by the well sampled for 99-29	1
BLK133	99-31	Good	Not a spring, an artificial wetland maintained by diversion from Owens River	1
U24*	99-32	Medium		1
U24*	99-33	Good		1
DWP1	99-34	Good	Source is dredged and impounded, Gambusia affinis present	1
DWP23	99-35	Good	Mud flat sample fed by discharge from Dirty Socks Spring	1
U22	99-36	Poor	Trampled by livestock	1

## Appendix II.

Site Name	Collection No.	Bank Stability	Notes	
U21*	99-37	Medium	Strong suflur odor, impacted by livestock	1
U22	99-38	Medium		1
U21*	99-39	Good		1
U22	99-40	Poor	Mud flat sample	1
U20	99-41	Good	Mud flat sample	1
U20*	99-42	Good		1
U19*	99-43	Good	Sample taken at weir w/ Campbell data logger	1
U19	99-44	Medium	Spring densely covered by Scirpus	1
IPT3	99-45	Good	Spring densely covered by roses, flows down side of road in artificial channel	1
U49	99-46	Good	Source has been dredged	1
U48	99-47			1
DG123*	99-48	Good	Springbrook bordered by dense Typha	1
DG123*	99-49	Good	Impounded for pupfish refuge; banks trampled by recreationists	1
DWP20	99-50	Good	Natrualized from past diversion	1
DWP20	99-51	Medium	Naturalized from past livestock grazing	1
DWP21A	99-52	Good	Muddy bog; springsnails common, Bufo americanus also seen	1
DWP21B	99-53	Good	Dredged into diversion ditch that inundates some springs and captures flow from others	1
DWP21B	99-54	Good	Probably natrualized from old homesite	1
U52*	99-55	Poor	Outflow from hot springs resort, channelized	1
DWP23	99-56	Good	No spring evident; diked and impounded marsh	1
U59*	99-57	Good	Habitat in good condition	1
U59*	99-58	Poor	Water birch riparian cover; intense livestock grazing	1
U62	99-59	Poor	Source covered by watercress; heavily impacted by livestock grazing	1
U62	99-60	Poor	Banks heavily impacted by livestock grazing	1
U18	99-61	Poor	Broad marsh, standing water only, livestock grazing along shoreline	1
U32	99-62			1
U45	99-63			1
U44	99-64	Good	Spring discharges from a mound on Owens Dry Lake	1
U47	99-65			1
U45	99-66	Good	Macroinvertbrate sample is a composite of 2 spring mounds on Owens Dry Lake	1
U44	99-67	Good	Habitat is an extensive Scirpus marsh, standing water only	1
U43	99-68	Good	Habitat is an extensive Scirpus marsh, standing water only	1
U42	99-69	Good	Habitat is an extensive ponded marsh	1
U42	99-70	Good	Habitat is an extensive ponded marsh	1
U41	99-71	Good	Standing water only, maybe fed by well, not a spring	1
U34	99-72	Good	Shallow mud flat habitat, wetted by discharge from well casing	1

## Appendix II.

Site Name	Collection No.	Bank Stability	Notes	
U35	99-73	Good	Shallow mud flat habitat, wetted by discharge from well casing	1
U60	99-74	Good	Old springbox indicates that habitat has naturalized from past diversion	1
U60*	99-75	Good	High quality habitat w/ abundant springsnails	1
DWP24	99-76	Good	Not a spring, but an irrigation ditch, no springs in area	1
DG270	99-77			1
DWP16	99-78			1
DWP18	00-1	Good	Habitat is a mountain stream, not a spring, no springs in area	1
DWP18	00-2	Good	Habitat is a mountain stream, not a spring, no springs in area	1
DWP36*	00-3	Poor	High quality habitat w/ abundant springsnails; source fenced; popular camping site	1
DWP36*	00-4	Poor	High quality habitat w/ abundant springsnails; popular camping site	1
DWP35	00-5	Poor	Flows approx. 30 m before entering marsh	1
DWP35	00-6	Good	Spring is bog within heavily grazed meadow; flows approx. 40 m before entering ditch	1
DWP13*	00-7	Good	High gradient springbrook densely covered by willow riparian	1
DWP13	00-8	Good	High gradient springbrook densely covered by wild rose riparian	1
U30	00-9			1
U33	00-10	Good	Ponded water, no apparent spring, on Owens Dry Lake	1
U33	00-11	Good	Small open pool in dense Typha, tadpoles	1
U31	00-12	Good	2 Bufo americanus and many tadpoles	1
U25	00-13	Good	Ponded water, no apparent spring	1
U26	00-14	Good	Ponded water, no apparent spring	1
U27	00-15	Good	U27 & U28 are some of the sources for water at U25 & U26	1
U28	00-16	Good	All water flows from well casing; one of sources for U25 & U26	1
U29	00-17	Medium	Possible well on Owens Dry Lake	1
U29	00-18	Good	Sample on mud flat	1
U1	00-19	Good	A dredged pond, which presence of springsnails indicates it is a persistent aquatic habitat	1
DWP2A	00-20	Good	Bullfrogs, intensive livestock grazing	1
DWP2A	00-21	Good	Gambusia affinis present	1
DWP2B	00-22	Medium	Highly degraded by intensive grazing by horses; historically a high quality habitat	1
DWP2C	00-23	Good	Gambusia affinis present	1
DWP3	00-24	Good	Dispersed source in meadow; intense graze surrounding spring, but not on spring	1
DWP4A	00-25	Good	Eastern-most spring of complex	1
DWP4B	00-26	Good	Densely covered by Mimulus and parsnip; source high quality	1
DWP4B	00-27	Good	Channel north of Lubkin Cyn. Rd., affected by road construction and maintenance	1
DWP33	00-28	Poor	Naturalized from past disturbance caused by highway construction	1
DWP30	00-29	Good	Surrounding meadow heavily impacted by livestock grazing	1
DWP30	00-30	Good	Riparian burned in recent past, livestock grazing intense in surrounding meadow	1

## Appendix II.

Site Name	Collection No.	Bank Stability	Notes	
DG93	00-31	Good	High gradient springbrook covered by Mimulus, nettle, & willow	1
DG93	00-32	Good	High gradient springbrook covered by Mimulus, nettle, & willow; moss dense in water	1
DWP31A	00-33	Medium	Naturalized irrigation ditch	1
DWP31A	00-34	Good	High gradient springbrook w/ dense willow riparian	1
DWP31B	00-35	Good	High gradient springbrook w/ dense willow, coffe berry, & rose riparian	1
LPT11	00-36	Good	No defined spring source	1
DG170	00-37		Dense riparian vegetation but no aquatic habitat	1
DG175	00-38		No surface water, dense willow thicket approx. 1.5 km long	1
DG176	00-39	Good	Springsnails scarce	1
DG177	00-40		No surface water, dense willow thicket approx. 1.5 km long	1
P.Hubbard	00-41		No surface water, sparse cottonwoods in meadow	1
U10	00-42	Good	Very little water isolated in a small spring mound; springsnails	1
DWP8A	00-43	Good	High quality habitat w/ springsnails and Pseudacris regilla	1
DWP8B	00-44	Good	No defined spring source, spring appears to be within artificial impoundment	1
DWP8C	00-45	Good	Springsnails abundant, unknown tadpole, good quality, naturalized from past disturbance	1
DWP5	00-46	Good	Flows approx. 20 m before diverted into concrete tank	1
DG64	00-47			1
DWP12A	00-48	Good	Springsnails abundant, old pipes and wood indicate past disturbance	1
DWP12A	00-49	Good	Springsnails abundant, old pipes and wood indicate past disturbance	1
DWP12B	00-50	Good	Fenced, but old corral indicates past disturbance, may have been dredged, tadpoles	1
DWP9A	00-51	Good	Springsnails scarce	1
DWP9B	00-52		Springsnails scarce	1
DWP9B	00-53	Good	Springsnails scarce	1
DWP6	00-54		Dry soil, willow riparian, yerba mansa, Phragmites	1
DWP6	00-55	Good	Heavily impacted by road maintainence	1
DWP7	00-56	Medium	Largest remaining valley floor spring; springsnails, Pseudacris regilla, & potential fish refuge	1
DWP7	00-57	Good	Habitat impounded by weir and diverted to irrigate pastures	1
Union Wash	00-58			1
DWP10	00-59	Medium	Not a spring but an artificial wetland maintained by releases from irrigation ditch	1
DG181	00-60	Good	Naturalized from past disturbance caused by old homestead	1
DG181	00-61	Good	Naturalized from past disturbance caused by old homestead	1
IPT5	00-62			1
DG72A	00-63	Good	Naturalized from past disturbance caused by livestock and impoundment	1
DG72B	00-64	Good	Naturalized from past livestock grazing	1
DG72A	00-65	Good	Naturalized from past livestock grazing	1
DWP11	00-66			

Appendix II.

Site Name	Collection No.	Bank Stability	Notes	
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DGRVAS	00-69	Medium	Wet meadow with poorly defined spring sources	1
DWP32A	00-70	Good	Western-most spring of complex; densely covered by nettles, springsnails absent	1
DWP32B	00-71	Good	Middle spring of complex, densely covered by watercress, springsnails abundant	1
DWP32C	00-72	Good	Eastern-most spring of complex, impounded by road construction; springsnails abundant	1