

APPENDIX C

MACROINVERTEBRATE RESULTS

Table C-1	Teton River mainstem 1998 macroinvertebrate results
Table C-2	Teton tributary 2000 & 2001 macroinvertebrate results
Table C-3a.	Criteria for the assignment of use-support classifications/standard violation thresholds (Bukantis, 1997)
Table C-3b.	Criteria for the assignment of impairment classifications (Plafkin et al. 1989)

Table C-1. Teton River main stem 1998 macroinvertebrate results (Bollman, 1999)

Station name =>	Loma	Dent Bridge	Kerr Bridge	I-15 Bridge	Hwy 221 Bridge	Breen's	S. Fk. Gauge
% EPT (taxa richness, EPT richness)	93 (20, 12)	53 (11, 5)	85 (21, 13)	88 (26, 18)	83 (24, 12)	35 (41, 18)	78 (16, 10)
Biotic Index	3.4	4.74	4.24	4.59	4.43	4.48	1.55
% Dominant taxon	81	39	22	26	29	17	39
% Dominance of 5 dominant taxon	93	77	69	76	73	54	82
% Dominance of 10 dominant taxon	96	97	89	89	90	69	94
Total species collected	377	31	117	169	523	302	110
Classification ¹	SLI	MOD	NON	NON	NON	SLI	SLI
Use Support ²	PART	PART	FULL	FULL	FULL	PART	PART

¹ See Table C-3a: Criteria for the assignment of support classifications/standards violation thresholds (Bukantis, 1998). NON = nonimpaired, SLI = slightly impaired, MOD = moderately impaired, SEV = severely impaired.

² See Table C-3b: Criteria for the assignment of impairment classification (Plafkin et al., 1989). FULL = full support, PART = partial support, NON = nonsupport.

Table C-2. Teton tributary 2000 & 2001 macroinvertebrate results (Bollman, 2001a, 2001b)

Stream name =>	Spring Creek				Deep Creek – d/s of Willow Confluence	Willow Creek	
	Near source	U/s of Choteau	Choteau City Park	Near mouth		Near headwaters	Near mouth
% EPT (taxa richness, EPT richness)	23 (36, 9)	35 (30, 11)	8 (24, 3)	28 (30, 7)	9 (28, 9)	14 (26, 5)	7 (19, 2)
Biotic Index	6.06	6.38	6.5	6.42	5.49	6.65	6.55
% Dominant taxon	16	25	30	20	19	37	33
% Dominance of 5 dominant taxon	62	74	69	67	65	67	82
% d Dominance of 510dominant taxon	81	87	82	90	80	83	96
Total species collected	322	309	143	303	307	301	328
Classification ¹	PART	PART	PART	PART	PART	PART	NON
Use Support ²	MOD	MOD	MOD	MOD	MOD	MOD	SEVERE

¹ See Table C-3a: Criteria for the assignment of support classifications/standards violation thresholds (Bukantis, 1997). NON = nonimpaired, SLI = slightly impaired, MOD = moderately impaired, SEV = severely impaired.

² See Table C-3b: Criteria for the assignment of impairment classification (Plafkin et al., 1989). FULL = full support, PART = partial support, NON = nonsupport.

Table C-3a. Criteria for the assignment of use-support classifications/standard violation thresholds (Bukantis, 1997)

% Comparability to reference	Use Support
> 75	Full support – standards are not violated
25-75	Partial support – moderate impairment, standards violated
< 25	Non-support – severe impairment, standards violated

Table C-3b. Criteria for the assignment of impairment classifications (Plafkin et al. 1989)

% Comparability to reference	Classification
> 83	Nonimpaired
54 – 79	Slightly impaired
21-50	Moderately impaired
<17	Severely impaired