

Appendix 7.2: IBI and SIBI results determined for the August 1997 survey (Very Poor, Poor, Fair, Good, Excellent)

		Aug-97				Locality					
Criteria		1	2	3	4	5	6	7	8	9	10
Result - August 1997	Number of native species	0	n/a	2	n/a	3	3	5	4	4	6
	Number of species sensitive to loss/degradation of riffle/rapid/run habitats	n/a	n/a	0	n/a	1	2	3	2	2	3
	Number of species sensitive to loss/degradation of vegetated habitats	0	n/a	1	n/a	1	1	2	2	0	1
	Number of species sensitive to loss/degradation of pools/slow flowing habitats	0	n/a	2	n/a	2	1	2	2	2	3
	Relative abundance of individuals of tolerant species	0.00	n/a	100.00	n/a	14.96	18.99	64.58	6.80	16.67	33.78
	Relative abundance of omnivore individuals	0.00	n/a	100.00	n/a	90.03	67.72	92.54	22.39	72.22	18.45
	CPUE of native species	0.00	n/a	38.33	n/a	3.81	1.68	21.88	22.54	7.37	6.74
	Percentage of individuals with anomalies	0.00	n/a	0.40	n/a	50.00	38.00	13.00	21.00	24.00	0.00
		1	2	3	4	5	6	7	8	9	10
IBI Criteria Scores	1) Number of native species	0	n/a	1	n/a	1	1	3	3	3	3
	2) Number of species sensitive to loss/degradation of riffle/rapid/run habitats	n/a	n/a	0	N/a	1	3	3	3	3	3
	3) Number of species sensitive to loss/degradation of vegetated habitats	0	n/a	1	N/a	1	1	3	3	0	1
	4) Number of species sensitive to loss/degradation of pools/slow flowing habitats	0	n/a	1	N/a	1	1	1	1	1	3
	5) Relative abundance of individuals of tolerant species	0	n/a	1	N/a	5	5	1	5	5	5
	6) Relative abundance of omnivore individuals	0	n/a	1	N/a	1	1	1	5	1	5
	7) CPUE of native species	0	n/a	5	N/a	1	1	1	1	1	1
	8) Percentage of individuals with anomalies	0	n/a	5	N/a	1	1	1	1	1	5
IBI-Score		0	n/a	15	N/a	12	14	14	22	15	26
IBI-Percentage		0	n/a	38	N/a	30	35	35	53	38	65
		1	2	3	4	5	6	7	8	9	10
SIBI Criteria scores	1) Native species diversity	0.00	n/a	0.19	n/a	0.25	0.28	0.45	0.33	0.34	0.53
	2) Number of species sensitive to loss/degradation of riffle/rapid/run habitats	n/a	n/a	0.00	n/a	0.19	0.41	0.66	0.41	0.41	0.66
	3) Number of species sensitive to loss/degradation of vegetated habitats	0.00	n/a	0.20	n/a	0.20	0.20	0.32	0.32	0.00	0.20
	4) Number of species sensitive to loss/degradation of pools/slow flowing habitats	0.00	n/a	0.29	n/a	0.31	0.15	0.24	0.24	0.26	0.40
	5) Relative abundance of individuals of tolerant species	0.00	n/a	0.00	n/a	1.00	1.00	0.71	1.00	1.00	1.00
	6) Relative abundance of omnivore individuals	0.00	n/a	0.00	n/a	0.18	0.65	0.15	1.00	0.43	1.00
	7) CPUE of Native species	0.00	n/a	1.00	N/a	0.06	0.05	0.33	0.47	0.15	0.13
	8) Percentage of individuals with anomalies	0.00	n/a	1.00	n/a	0.02	0.03	0.08	0.05	0.04	1.00
SIBI-Score		0.00	n/a	34	n/a	28	35	36	48	33	57
CATEGORY		F⁻		E⁺		E⁻	E⁺	E⁺	D⁻	E⁺	D⁺

n/a-not applicable

Appendix 7.3: IBI and SIBI results determined for the February 1998 survey (Very Poor, Poor, Fair, Good, Excellent)

		Feb-98	Locality								
Criteria		1	2	3	4	5	6	7	8	9	10
Results: February 1998	Number of native species	0	1	4	2	8	7	7	7	3	8
	Number of species sensitive to loss/degradation of riffle/rapid/run habitats	n/a	0	0	1	2	2	2	3	2	4
	Number of species sensitive to loss/degradation of vegetated habitats	0	1	3	0	4	3	4	4	1	2
	Number of species sensitive to loss/degradation of pools/slow flowing habitats	0	1	4	1	6	5	5	4	1	4
	Relative abundance of individuals of tolerant species	0	100	100	61.16	64.19	62.5	53.52	17.81	1.239	12.89
	Relative abundance of omnivore individuals	0	100	83.33	38.84	47.35	75	59.64	21.65	29.94	45.7
	CPUE of native species	0	0.667	3.84	6.545	25.33	12.8	52.8	34.29	29.09	18.51
	Percentage of individuals with anomalies	0	0	0	26.3	7.8	16	11	4.4	2.04	9.09
		1	2	3	4	5	6	7	8	9	10
IBI Criteria Scores	1) Number of native species	0	1	3	1	5	3	3	3	1	5
	2) Number of species sensitive to loss/degradation of riffle/rapid/run habitats	n/a	0	0	3	3	3	3	3	3	5
	3) Number of species sensitive to loss/degradation of vegetated habitats	0	1	3	0	5	3	5	5	1	3
	4) Number of species sensitive to loss/degradation of pools/slow flowing habitats	0	1	3	1	5	3	3	3	1	3
	5) Relative abundance of individuals of tolerant species	0	1	1	3	3	1	3	5	5	5
	6) Relative abundance of omnivore individuals	0	1	1	5	3	1	3	5	5	1
	7) CPUE of native spp.	0	1	1	1	1	1	3	3	3	1
	8) Percentage of individuals with anomalies	0	5	5	1	1	1	1	3	3	1
IBI-Score		0	11	17	15	26	16	24	30	22	24
IBI-Percentage		0	28	43	38	65	40	60	75	55	60
		1	2	3	4	5	6	7	8	9	10
SIBI Criteria Scores	1) Native species diversity	0	0.08	0.37	0.24	0.56	0.49	0.51	0.56	0.25	0.81
	2) Number of species sensitive to loss/degradation of riffle/rapid/run habitats	0	0	0	0.46	0.41	0.41	0.41	0.65	0.41	1.00
	3) Number of species sensitive to loss/degradation of vegetated habitats	0	0.12	0.50	0	0.62	0.44	0.62	0.62	0.12	0.50
	4) Number of species sensitive to loss/degradation of pools/slow flowing habitats	0	0.10	0.55	0.15	0.71	0.58	0.62	0.46	0.09	0.62
	5) Relative abundance of individuals of tolerant species	0	0	0	0.97	0.90	0.75	0.93	1.00	1.00	1.00
	6) Relative abundance of omnivore individuals	0	0	0.37	1.00	0.96	0.50	0.81	1.00	1.00	0.84
	7) CPUE of native spp.	0	0.03	0.17	0.16	0.39	0.35	0.71	0.71	0.58	0.37
	8) Percentage of individuals with anomalies	0	1	1	0.03	0.12	0.06	0.09	0.22	0.49	0.11
SIBI-Score		0	17	37	38	59	45	59	66	49	66
CATEGORY		F⁻	F⁺	E⁺	E⁺	D⁺	D⁻	D⁺	C⁻	D⁻	C⁻

n/a-not applicable

Appendix 7.4: IBI and SIBI results determined for the August 1998 survey (Very Poor, Poor, Fair, Good, Excellent)

		Aug-98	Locality								
Criteria		1	2	3	4	5	6	7	8	9	10
Results: August 1998	Number of native species	0	0	1	4	7	3	8	6	2	7
	Number of species sensitive to loss/degradation of riffle/rapid/run habitats	0	0	0	1	1	2	2	2	2	4
	Number of species sensitive to loss/degradation of vegetated habitats	0	0	1	2	5	1	4	3	0	1
	Number of species sensitive to loss/degradation of pools/slow flowing habitats	0	0	1	3	6	1	6	4	0	3
	Relative abundance of individuals of tolerant species	0	0	100	37.395	20.38	7.692	71.417	13.094	0	33.333
	Relative abundance of omnivore individuals	0	0	100	70.868	82.5	69.23	69.671	7.8377	18.13	33.333
	CPUE of native species	0	0	31.333	7.1642	9.067	2.737	35.556	15.714	17.33	7.2
	Percentage of individuals with anomalies	0	0	0	6.7	28	21	2	2.6	4.1	68
IBI- criteria		1	2	3	4	5	6	7	8	9	10
IBI Criteria Scores	1) Number of native species	0	0	1	3	3	1	5	3	1	3
	2) Number of species sensitive to loss/degradation of riffle/rapid/run habitats	n/a	0	0	3	1	3	3	3	3	5
	3) Number of species sensitive to loss/degradation of vegetated habitats	0	0	1	3	5	1	5	3	0	1
	4) Number of species sensitive to loss/degradation of pools/slow flowing habitats	0	0	1	3	5	1	5	3	0	3
	5) Relative abundance of individuals of tolerant species	0	0	1	5	5	5	1	5	5	5
	6) Relative abundance of omnivore individuals	0	0	1	1	1	1	1	5	5	5
	7) CPUE of native spp.	0	0	5	1	1	1	1	1	1	1
	8) Percentage of individuals with anomalies	0	0	5	1	1	1	3	3	3	1
IBI-Score		0	0	15	20	22	14	24	26	18	24
IBI-percentage		0	0	38	50	55	35	60	65	45	60
		1	2	3	4	5	6	7	8	9	10
SIBI Criteria Scores	1) Native species diversity	0.00	0.00	0.12	0.38	0.54	0.26	0.56	0.45	0.21	0.71
	2) Number of species sensitive to loss/degradation of riffle/rapid/run habitats	n/a	0.00	0.00	0.46	0.19	0.41	0.41	0.41	0.41	1.00
	3) Number of species sensitive to loss/degradation of vegetated habitats	0.00	0.00	0.20	0.24	1.00	0.12	0.62	0.44	0.00	0.20
	4) Number of species sensitive to loss/degradation of pools/slow flowing habitats	0.00	0.00	0.18	0.34	0.90	0.09	0.72	0.49	0.00	0.40
	5) Relative abundance of individuals of tolerant species	0.00	0.00	0.00	1.00	1.00	1.00	0.57	1.00	1.00	1.00
	6) Relative abundance of omnivore individuals	0.00	0.00	0.00	0.53	0.32	0.62	0.61	1.00	1.00	1.00
	7) CPUE of native spp.	0.00	0.00	1.00	0.18	0.14	0.08	0.48	0.33	0.35	0.14
	8) Percentage of individuals with anomalies	0.00	0.00	1.00	0.15	0.04	0.05	0.50	0.38	0.24	0.01
SIBI-score		0	0	31	41	52	33	56	56	40	56
CATEGORY		F⁻	F⁻	E⁺	D⁻	D⁺	E⁺	D⁺	D⁺	D⁻	D⁺

n/a- not applicable

Appendix 7.5: IBI and SIBI results determined for the February 1999 survey (Very Poor, Poor, Fair, Good, Excellent)

		Feb-99	Locality									
Criteria		1	2	3	4	5	6	7	8	9	10	
Results: February 1999	Number of native species	0	1	1	5	8	3	8	5	3	8	
	Number of species sensitive to loss/degradation of riffle/rapid/run habitats	0	0	0	1	2	2	2	3	2	3	
	Number of species sensitive to loss/degradation of vegetated habitats	0	1	1	3	4	0	4	1	0	3	
	Number of species sensitive to loss/degradation of pools/slow flowing habitats	0	1	1	4	6	1	6	2	1	5	
	Relative abundance of individuals of tolerant species	0.00	100.00	100.00	73.33	92.01	6.78	43.91	12.72	3.09	34.32	
	Relative abundance of omnivore individuals	0.00	100.00	100.00	36.67	50.69	81.84	63.80	34.61	17.53	20.03	
	CPUE of native species	0.00	3.00	8.00	30.15	65.78	4.00	70.18	14.67	9.82	32.31	
	Percentage of individuals with anomalies	0.00	0.00	17.00	0.98	1.26	6.70	0.51	3.57	11.40	13.10	
		1	2	3	4	5	6	7	8	9	10	
IBI Criteria Scores	1) Number of indigenous species	0	1	1	3	5	1	5	3	1	5	
	2) Number of species sensitive to loss/degradation of riffle/rapid/run habitats	n/a	0	0	3	3	3	3	3	3	3	
	3) Number of species sensitive to loss/degradation of vegetated habitats	0	1	1	3	5	0	5	1	0	3	
	4) Number of species sensitive to loss/degradation of pools/slow flowing habitats	0	1	1	3	5	1	5	1	1	3	
	5) Relative abundance of individuals of tolerant species	0	1	1	1	1	5	5	5	5	5	
	6) Relative abundance of omnivore individuals	0	1	1	5	3	1	1	5	5	5	
	7) CPUE of native spp.	0	1	1	3	5	1	3	1	1	3	
	8) Percentage of individuals with anomalies	0	5	1	5	5	1	5	3	1	1	
IBI-Score		0	11	7	26	32	13	32	22	17	28	
IBI-percentage		0	28	18	65	80	33	80	55	43	70	
		1	2	3	4	5	6	7	8	9	10	
SIBI Criteria Scores	1) Number of native species	0.00	0.09	0.12	0.44	0.56	0.26	0.56	0.43	0.26	0.67	
	2) Number of species sensitive to loss/degradation of riffle/rapid/run habitats	n/a	0.00	0.00	0.46	0.41	0.41	0.41	0.66	0.41	0.75	
	3) Number of species sensitive to loss/degradation of vegetated habitats	0.00	0.12	0.20	0.44	0.62	0.00	0.62	0.12	0.00	0.44	
	4) Number of species sensitive to loss/degradation of pools/slow flowing habitats	0.00	0.11	0.18	0.43	0.72	0.10	0.72	0.19	0.10	0.59	
	5) Relative abundance of individuals of tolerant species	0.00	0.00	0.00	0.67	0.20	1.00	1.00	1.00	1.00	1.00	
	6) Relative abundance of omnivore individuals	0.00	0.00	0.00	1.00	0.90	0.36	0.72	1.00	1.00	1.00	
	7) CPUE of native spp.	0.00	0.17	0.36	0.75	1.00	0.11	0.95	0.31	0.20	0.65	
	8) Percentage of individuals with anomalies	0.00	1.00	0.06	1.00	1.00	0.15	1.00	0.28	0.09	0.08	
SIBI- score		0	19	11	65	68	30	75	50	38	65	
CATEGORY		F⁻	F⁺	F⁺	C⁻	C⁻	E⁺	C⁺	D⁺	E⁺	C⁻	

n/a – not applicable