

Appendix 7.6: Fish Assemblage Integrity Index (FAII) scores calculated for the selected sites in the Klip and Suikerbosrand River (August 1997 survey).

	SPECIES	Tolerance rating								Health rating								SCORE									
		1	3	5	6	7	8	9	10	1	3	5	6	7	8	9	10	1	3	5	6	7	8	9	10		
EXPECTED	<i>Austroglanis sclateri</i>			3.1	3.1	3.1	3.1	3.1	3.1			5	5	5	5	5	5	0.0	0.0	15.5	15.5	15.5	15.5	15.5	15.5		
	<i>Labeobarbus aeneus</i>		2.4	2.4	2.4	2.4	2.4	2.4	2.4			5	5	5	5	5	5	0.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0		
	<i>Barbus anoplus</i>	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	5	5	5	5	5	5	5	5	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0		
	<i>Labeobarbus kimberleyensis</i>			4.3	4.3	4.3	4.3	4.3	4.3			0	5	5	5	5	5	0.0	0.0	21.5	21.5	21.5	21.5	21.5	21.5		
	<i>Barbus pallidus</i>	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	5	5	5	5	5	5	5	5	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0		
	<i>Barbus paludinosus</i>	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	5	5	5	5	5	5	5	5	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0		
	<i>Clarias gariepinus</i>	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	5	5	5	5	5	5	5	5	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0		
	<i>Labeo capensis</i>			2.8	2.8	2.8	2.8	2.8	2.8			5	5	5	5	5	5	0.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0		
	<i>Labeo umbratus</i>			1.9	1.9	1.9	1.9	1.9	1.9			5	5	5	5	5	5	0.0	0.0	9.5	9.5	9.5	9.5	9.5	9.5		
	<i>Pseudocrenilabrus philander</i>	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	5	5	5	5	5	5	5	5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5		
<i>Tilapia sparmanii</i>	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	5	5	5	5	5	5	5	5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5			
												Expected FAII Score				51.0	77.0	123.5	123.5	123.5	123.5	123.5	123.5				
OBSERVED	<i>Austroglanis sclateri</i>	0	0	0	0	3.1	0	0	3.1	0	0	0	0	5	0	0	5	0.0	0.0	0.0	0.0	15.5	0.0	0.0	15.5		
	<i>Labeobarbus aeneus</i>	0	0	2.4	2.4	2.4	2.4	2.4	2.4	0	0	1	1	1	1	1	5	0.0	0.0	2.4	2.4	2.4	2.4	2.4	12.0		
	<i>Barbus anoplus</i>	0	1.8	1.8	1.8	1.8	1.8	0	1.8	0	5	5	5	5	5	0	5	0.0	9.0	9.0	9.0	9.0	9.0	0.0	9.0		
	<i>Labeobarbus kimberleyensis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
	<i>Barbus pallidus</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
	<i>Barbus paludinosus</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
	<i>Clarias gariepinus</i>	0	1.2	0	0	0	0	1.2	1.2	0	5	0	0	0	0	5	5	0.0	6.0	0.0	0.0	0.0	0.0	6.0	6.0		
	<i>Labeo capensis</i>	0	0	0	2.8	2.8	2.8	2.8	2.8	0	0	0	1	1	1	5	5	0.0	0.0	0.0	2.8	2.8	2.8	14.0	14.0		
	<i>Labeo umbratus</i>	0	0	1.9	0	0	0	1.5	1.5	0	0	1	0	0	0	1	5	0.0	0.0	1.9	0.0	0.0	0.0	1.5	7.5		
	<i>Pseudocrenilabrus philander</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
<i>Tilapia sparmanii</i>	0	0	0	0	1.1	1.1	0	0	0	0	0	0	5	5	0	0	0.0	0.0	0.0	0.0	5.5	5.5	0.0	0.0			
												Observed FAII Score				0.0	15.0	13.3	14.2	35.2	19.7	23.9	64.0				
												Relative FAII Score (%)				0.0	19.5	10.8	11.5	28.5	16.0	19.4	51.8				