Appendix 7.8: Fish Assemblage Integrity Index (FAII) scores calcultaed for the selected sites in the Klip and Suikerbosrand River (August'98 survey).

		Tolerance rating										Health rating										SCORE									
	SPECIES	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
EXPECTED	*Austroglanis sclateri*					3.1	3.1	3.1	3.1	3.1	3.1	0	0	0	0	5	5	5	5	5	5	*0.0*	*0.0*	*0.0*	*0.0*	*15.5*	*15.5*	*15.5*	*15.5*	*15.5*	*15.5*
	Labeobarbus aeneus		2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	0	5	5	5	5	5	5	5	5	5	*0.0*	*12.0*	*12.0*	*12.0*	*12.0*	*12.0*	*12.0*	*12.0*	*12.0*	*12.0*
	Barbus anoplus	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	5	5	5	5	5	5	5	5	5	5	*9.0*	*9.0*	*9.0*	*9.0*	*9.0*	*9.0*	*9.0*	*9.0*	*9.0*	*9.0*
	Labeobarbus kimberleyensis					4.3	4.3	4.3	4.3	4.3	4.3	0	0	0	0	5	5	5	5	5	5	*0.0*	*0.0*	*0.0*	*0.0*	*21.5*	*21.5*	*21.5*	*21.5*	*21.5*	*21.5*
	Barbus pallidus	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	5	5	5	5	5	5	5	5	5	5	*17.0*	*17.0*	*17.0*	*17.0*	*17.0*	*17.0*	*17.0*	*17.0*	*17.0*	*17.0*
	Barbus paludinosus	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	5	5	5	5	5	5	5	5	5	5	*8.0*	*8.0*	*8.0*	*8.0*	*8.0*	*8.0*	*8.0*	*8.0*	*8.0*	*8.0*
	Clarias gariepinus	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	5	5	5	5	5	5	5	5	5	5	*6.0*	*6.0*	*6.0*	*6.0*	*6.0*	*6.0*	*6.0*	*6.0*	*6.0*	*6.0*
	Labeo capensis			2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0	0	5	5	5	5	5	5	5	5	*0.0*	*0.0*	*14.0*	*14.0*	*14.0*	*14.0*	*14.0*	*14.0*	*14.0*	*14.0*
	Labeo umbratus				1.9	1.9	1.9	1.9	1.9	1.9	1.9	0	0	0	5	5	5	5	5	5	5	*0.0*	*0.0*	*0.0*	*9.5*	*9.5*	*9.5*	*9.5*	*9.5*	*9.5*	*9.5*
	Pseudocrenilabrus philander	1.1	1.1	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*	*5.5*	*5.5*	*5.5*
	Tilapia sparmanii	1.1	1.1	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*	*5.5*	*5.5*	*5.5*
												Expected FAII Score										***51.0***	***63.0***	***77.0***	***86.5***	***123.5***	***123.5***	***123.5***	***123.5***	***123.5***	***123.5***
OBSERVED	*Austroglanis sclateri*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0	0	0	0	0	0	0	0	0	1	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*3.1*
	Labeobarbus aeneus	0.0	0.0	0.0	2.4	2.4	2.4	2.4	2.4	2.4	2.4	0	0	0	1	1	1	5	5	5	1	*0.0*	*0.0*	*0.0*	*2.4*	*2.4*	*2.4*	*12.0*	*12.0*	*12.0*	*2.4*
	Barbus anoplus	0.0	0.0	1.8	0.0	1.8	0.0	1.8	1.8	0.0	1.8	0	0	5	0	5	0	5	5	0	1	*0.0*	*0.0*	*9.0*	*0.0*	*9.0*	*0.0*	*9.0*	*9.0*	*0.0*	*1.8*
	Labeobarbus kimberleyensis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0	0	0	0	0	0	0	0	0	5	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*21.5*
	Barbus pallidus	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	0.0	0	0	0	0	5	0	0	0	0	0	*0.0*	*0.0*	*0.0*	*0.0*	*17.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*
	Barbus paludinosus	0.0	0.0	0.0	0.0	1.6	0.0	1.6	0.0	0.0	0.0	0	0	0	0	5	0	5	0	0	0	*0.0*	*0.0*	*0.0*	*0.0*	*8.0*	*0.0*	*8.0*	*0.0*	*0.0*	*0.0*
	Clarias gariepinus	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	1.2	0	0	0	0	0	0	1	0	0	1	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*1.2*	*0.0*	*0.0*	*1.2*
	Labeo capensis	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8	0	0	0	0	0	5	5	3	1	1	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*14.0*	*14.0*	*8.4*	*2.8*	*2.8*
	Labeo umbratus	0.0	0.0	0.0	1.9	1.9	0.0	1.9	1.9	0.0	1.9	0	0	0	5	1	0	5	5	0	1	*0.0*	*0.0*	*0.0*	*9.5*	*1.9*	*0.0*	*9.5*	*9.5*	*0.0*	*1.9*
	Pseudocrenilabrus philander	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0	0	0	5	5	5	5	5	0	0	*0.0*	*0.0*	*0.0*	*5.5*	*5.5*	*5.5*	*5.5*	*5.5*	*0.0*	*0.0*
	Tilapia sparmanii	0.0	0.0	0.0	1.1	1.1	0.0	1.1	1.1	0.0	0.0	0	0	0	5	5	0	3	5	0	0	*0.0*	*0.0*	*0.0*	*5.5*	*5.5*	*0.0*	*3.3*	*5.5*	*0.0*	*0.0*
												Observed FAII score										***0.0***	***0.0***	***9.0***	***22.9***	***49.3***	***21.9***	***62.5***	***49.9***	***14.8***	***34.7***
												Relative FAII Score (%)										**0.0**	**0.0**	**11.7**	**26.5**	**39.9**	**17.7**	**50.6**	**40.4**	**12.0**	**28.1**