

SUMMARY of FINDINGS

1. SNIFF TEST ACTIVITY

Sample	A	B	C	D	E	Tap
Smell						
pH						
Comments						

2. TURBIDITY TEST

Disk visibility	Disk is not visible	Outer ring + 222 + 333 visible	Everything up to 555 visible
	Very turbid / murky	Slightly turbid / murky	Clear
Tap water turbidity / clarity			
Sample water turbidity / clarity			
Comments			

3. MINISASS TEST

Groups (only circle sensitivity scores of groups seen) →	Sensitivity score (circle)	Comments on average score (NB scores in brackets apply to Western Cape only) 0-2 = highly impacted stream 2-4 = impacted stream 4-6 = slightly impacted > 6 = good quality stream
Flat worms	3	
Worms	2	
Leeches	2	
Crabs / shrimps	6	
Stoneflies	14 (26)	
Minnow mayflies	5	
Other mayflies	13	
Damselflies	4	
Dragonflies	6	
Bugs &/or beetles	7	
Caddisflies	9 (16)	
True flies	1	
Snails	<u>5</u>	
Number of groups (N)		
Total score (T)		
Average score (=T÷N)		

4. METHYLENE BLUE TEST

Bijou bottle	Sample	Control
Colour after 2 days		
Comments		

5. HABITAT INTEGRITY TEST

Score	Impact	Criteria for scoring impact of different factors (1-17 opposite)
0	None	No evidence of impact, or the stream/pond is modified but without any impact
1-5	Small	Very small impact is evident, or modification is limited to certain areas of the stream
6-10	Moderate	Modification is evident at a few localities. The stream/pond quality and its bio-diversity and size have been impacted
11-15	Large	General modification is evident. The stream/pond quality and its bio-diversity and size have been obviously impacted
16-20	Serious	Frequent modification is evident. The stream/pond quality and its bio-diversity and size have been seriously impacted
21-25	Critical	Extreme modification is evident everywhere. The stream/pond quality and its bio-diversity and size have been critically affected

River/stream/pond (name):

Site/sector:	
Date:	Score
A. 'Instream' habitat integrity	
1. Water removal	/25
2. Modification of water flow	/25
3. Modification of stream bed	/25
4. Modification of channel shape	/25
5. Modification of water quality	/25
6. Inundation (flooding)	/25
Sub-Total 1 (ST1)	/150
Secondary impacts	
7. Invasive alien vegetation	/25
8. Invasive alien fauna (animals)	/25
9. Rubbish dumping	/25
Sub-Total 2 (ST 2)	/75
B. 'Riparian zone' integrity	
10. Invasive alien vegetation	/25
11. Indigenous vegetation removal	/25
12. Bank erosion	/25
13. Modification of channel	/25
14. Water removal	/25
15. Inundation (flooding)	/25
16. Modification of water flow	/25
17. Modification of water quality	/25
Sub-Total 3 (ST 3)	/200
Total (ST1 + ST2 + ST3)	
Average score (Total ÷ 17)	/25

Interpreting your results (notes / comments on average score):

6. COLIFORM BACTERIA TEST

Interpreting results.....

Bijou bottles	1	1/10	1/100	1/1000	Interpretation	
Colour after 18 (or 48) hours	Clear	Clear	Clear	Clear	0 coliforms (cfu). No contamination. Safe to drink.	
	Yellow	Clear	Clear	Clear	0 - 10 000 cfu/100 ml	Some contamination. Not safe for humans to drink.
	Yellow	Yellow	Clear	Clear	10 000 - 100 000 cfu/100 ml	More contamination. Not safe to swim, fish or boat.
	Yellow	Yellow	Yellow	Clear	100 000 - 1 000 000 cfu/100 ml	Critical contamination. Not safe to irrigate crops.
	Yellow	Yellow	Yellow	Yellow	>1 000 000 cfu/100ml	Serious health hazard!
<p>Yellow = coliform bacteria present. Shiny yellow = <i>E.coli</i> bacteria present</p>						

Your results:

Bijou bottles	1	1/10	1/100	1/1000	Control
Colour after 18 (or 48) hours					
<p>Comments</p>					