

AQUATIC BIOMONITORING IN WATER RESOURCES MANAGEMENT

GRAHAMSTOWN, 10 – 14 FEBRUARY 2003

**CO-ORDINATED JOINTLY BY THE INSTITUTE FOR WATER RESEARCH
AND COASTAL AND ENVIRONMENTAL SERVICES**

Day 1: Monday, 10 February 2003		
Framework for the River Health Programme		
From 11:30pm	Arrival and Registration	
12:30 – 1:30pm	LUNCH	
1:30 – 1:40pm	Course information and guiding principles	Dr Patsy Scherman
1:40 – 2:00pm	Opening address	Dr Henk van Vliet
2:00 – 3:00pm	Ecological goals for rivers in water resources management	Prof Tally Palmer
3:00 - 3:30pm	TEA	
3:30 – 4:30pm	Introduction to biomonitoring and the RHP	Dr Dirk Roux
4:30 – 5:00pm	Legal framework of RHP	Ms Maritza Uys
5:00 – 5:30pm	Group discussion	
Day 2: Tuesday, 11 February 2003		
Methods and assessment of river health		
8:30 – 9:15am	Habitat Assessment	Dr Neels Kleynhans + Mr Mick Angliss
9:15 - 10:00am	Geomorphological Index	Prof Kate Rowntree
10:00 – 10:45am	Hydrological Index	Prof Denis Hughes
10:45 – 11:15am	TEA	
11:15 – 12:00pm	Water quality	Dr Patsy Scherman
12:00 – 12:45pm	Riparian Vegetation Index	Mr Nigel Kemper
12:45 - 2:00pm	LUNCH	
2:00 - 2:45pm	SASS	Ms Helen Barber-James
2:45 - 3:30pm	Fish Index	Dr Neels Kleynhans + Mr Mick Angliss
3:30 - 4:00pm	TEA	
4:00 - 4:45pm	Algae and diatoms	Mr Phumelele Gama
4:45 - 5:15pm	General discussion	
Day 3: Wednesday, 12 February 2003		
Site selection and field practical		
8:30 - 9:30am	Site selection and reference conditions	Ms Helen Dallas (provisional)
9:30 - 10:30am	Tea and depart for field excursion	
10:30 - 4:00pm	Field excursion: SASS, FAIL, GI, RVI, Algae A packed lunch will be provided	

Evening	EVENING LECTURE Ms Delana Louw, IWR Environmental, Pretoria. Provisional title: The links and integration between biomonitoring and the Reserve process.	
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Day 4: Thursday, 13 February 2003		
Data management and quality control		
8:30 - 9:15am	Decision support systems + communication methods	Mr Nico Rossouw
9:15 - 9:45am	The Rivers Database	Ms Justine Ewart-Smith
9:45 - 10:15am	Quality control	Dr Chris Dickens
10:15 - 10:30am	Group discussion	
10:30 - 11:00am	TEA	
Implementation of the River Health Programme		
11:00 - 11:30am	Implementation guidelines	Mr Stuart Mangold
11:30 - 12:00pm	Case study 1: the Western Cape	Ms Toni Belcher
12:00 - 12:30pm	Case study 2: Gauteng	Mr Piet Muller
12:30 - 1:00pm	Group discussion	
1:00 - 2:00pm	LUNCH	
Public Participation in the River Health Programme		
2:00 - 2:30pm	Community education in the catchment	Ms Lil Haigh
2:30 - 3:00pm	Water spirits	Ms Penny Bernard
3:00 - 3:30pm	TEA	
3:30 - 5:30pm	Participatory Rural Appraisal: lecture + practical session	Dr Hilde van Vlaenderen
Day 5: Friday, 14 February 2003		
Additional methods for interpretation and application of RHP data		
8:30 - 9:00am	Toxicology	Dr Nikite Muller
9:00 - 9:30am	Bioaccumulation	Dr Hein du Preez
9:30 - 10:00am	Ecotoxicology and TEHA	Dr Sebastian Jooste
10:00 - 10:30am	Ecological Risk Assessment	Mr Marius Claassen
10:30 - 11:00am	Group discussion	
11:00 - 11:30am	TEA	
11:30 - 12:30pm	Presentations on Group Tasks	
12:30 - 1:00pm	Course evaluation and Closure	
1:00pm	Lunch	