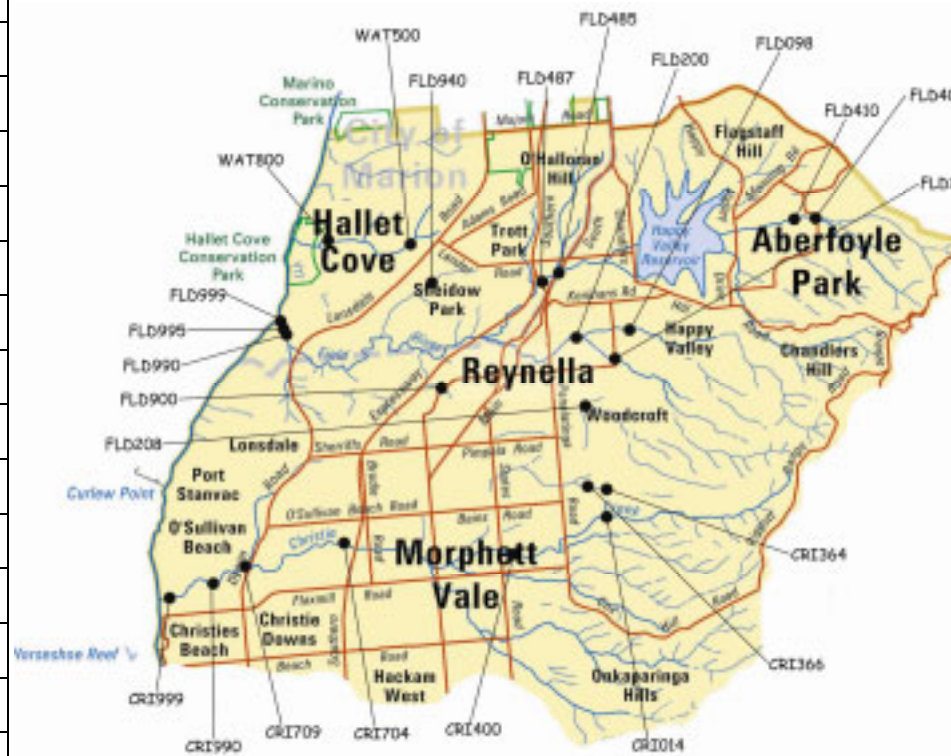


Onkaparinga Waterwatch Snapshot 1

Northern Coastal sites monitored		
Code	Group Name	Site Description
CRI005	Friends of Christies Creek	Eastern End of property - Roger Brine site 1
CRI014	Upper Christie Creek Group	Christie Creek, olive lane at bottom of property
CRI333	Upper Christie Creek Group	Dam on Jeff Smith's property
CRI400	Debbie Dunn Home School	Main Ck in Wilfred Res, draining golf course from E
CRI702	Christies Beach High School	Main Christie Ck on Brodie Rd bridge upstream side
CRI704	Christies Beach High School	Christie Creek, track straight from end Sunningdale Rd
CRI705	Christies Beach High School	E end of tunnel where railway line X's Christie Creek
CRI706	Christies Beach High School	W end of tunnel, where railway line X's Christie Creek
CRI709	O'Sullivan Beach P.S.	Christie Ck next 2 bridge on Dyson Rd on downstream side
CRI990	O'Sullivan Beach P.S.	Christie Ck, reserve adj to S of O'Sullivan Bch PS
CRI999	O'Sullivan Beach P.S.	Christie Ck next to bridge upstream of mouth
FLD409	Aberfoyle Hub P.S.	Thalassa Creek near school, Outlook Drive
FLD485	Braeview PS	Tripoli Road Bridge
FLD487	Braeview P.S.	Braeview site 2. located downstream from site 1. Fountain valley
FLD490	Woodend P.S.	Hallet Reserve, near Hallet Bridge just downstream from South Rd
FLD504	Woodend P.S.	Field River under Young St bridge
FLD505	Arbury Park Outdoor School	D/strm Young St ford blw join of 2 main branches
FLD510	Woodend P.S.	Wetland between Young St & Charles Tank Ave
FLD900	Reynella South P.S.	Tributary in reserve, corner of Karyn Cres & Robertson St
FLD935	Sheidow Park P.S.	Creek cross under Lander Road from NE, downstream of road
FLD940	Woodend P.S.	Field River tributary below park, downstream of Berrima Rd
FLD944	Woodend P.S.	Watercourse on corner of Lander Ave & Berrima Rd
FLD995	Hallett Cove Conservation Park	Field river, Cormorant Drive
FLD999	Hallett Cove Conservation Park	Mouth of Field River on beach South of Hallett Cove
WAT500	Hallett Cove East P.S.	Waterfall Creek in park off Madison Ct, reedy area, pool
WAT700	Hallett Cove School	Waterfall Creek at the end of Sandison Rd

Northern Coastal catchments
Incorporating: Waterfall Creek, Field River,
Christie Creek catchments



A yellow fish this month...
Although some of the results are good, salinity and nitrate levels are reasonably high.



Catchment overview

Salinity

Salinity levels this month were quite high, with most sites recording levels in excess of 2000ECUs. This was not restricted to just one river, with all 3 rivers in the region having sites with salinity above 2000ECUs. On average the salinity levels this year are higher than the corresponding snapshot last year.



pH

All sites recorded a pH level within the acceptable range.



Nutrients




The majority of the phosphate levels were low with only 2 of the 15 sites having levels that may be of concern, although having said that they were at the low end of this range. The nitrate is a slightly different story however. Most of the sites had levels that might indicate possible problems, with one site (WAT700) in particular having a very high 4.0mg/l. Equal highest of any site throughout the entire monitoring program!



Turbidity

Turbidity levels at the majority of the sites were very acceptable. With only a few sites having water cloudy enough to be considered a possible problem. Only one site (FLD940) had water that would be considered poor.



What does your fish mean?		
		
Good water quality	Possible problems	Poor quality water



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Frogs heard:



Common froglet ✓✓✓
 Spotted grass frog
 Brown tree frog
 Banjo frog
 Bibron's Toadlet
 Painted frog

Tadpoles spotted as well!

Macroinvertebrates:



No samples collected:

Macro of the month:

Scuds (amphipods)

"Most Australian amphipods are found in still to slow-moving waters. They are omnivorous, feeding on decaying vegetation though they will sometimes feed on other animals. Male amphipods guard their mates closely"! Source: The Waterbug Book; Gooderham and Tsyrlin © 2002 CSIRO Publishing

Nutrient Comparison March 2006

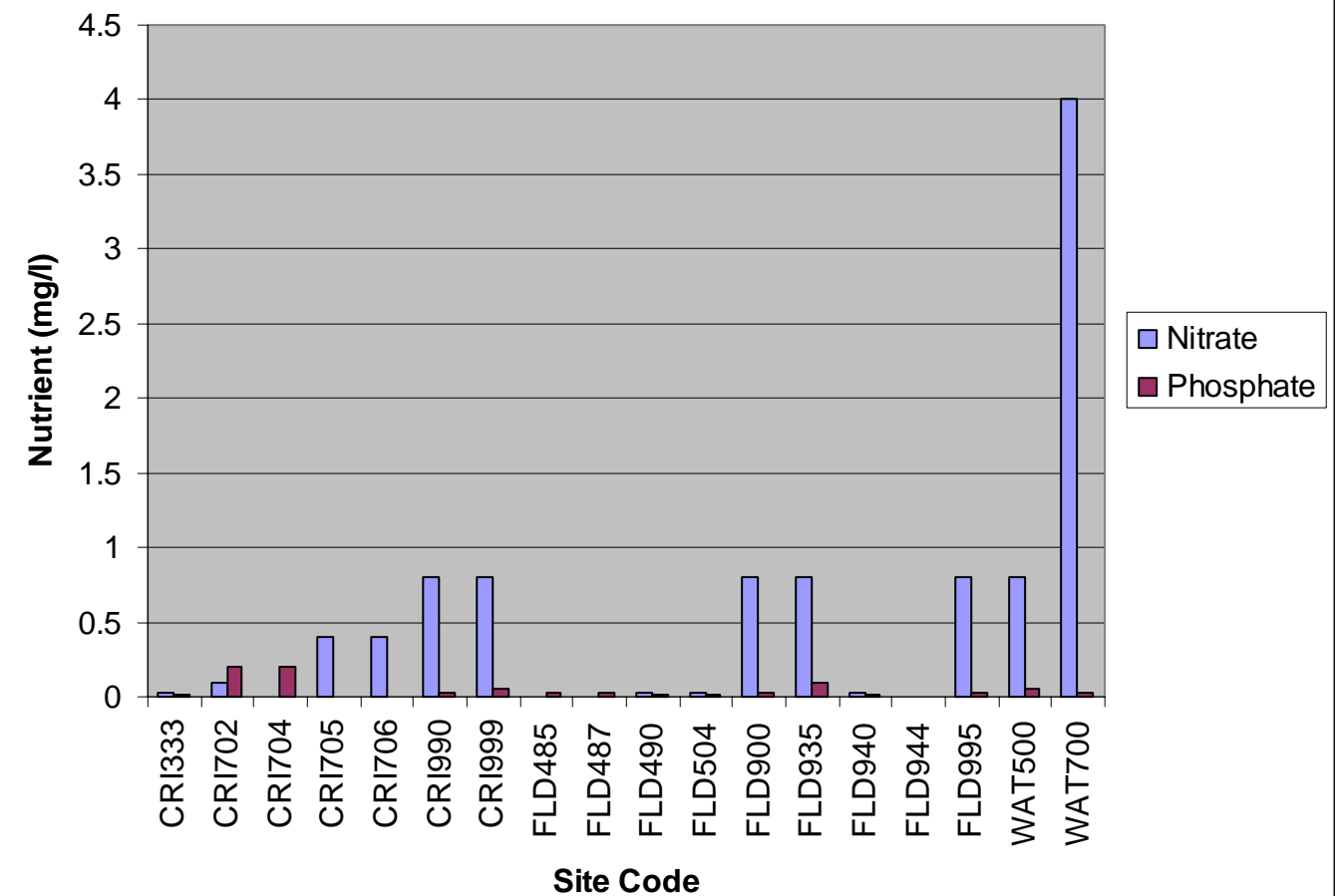


Table of results March 2006

Code	Date	EC (uS/cm)	Nitrate (mg/l)	pH (Units)	Temp (Degrees C)	Phosphate (mg/l)	Turbidity (NTU)
CRI333	21/03/2006	600	<0.05	7.5	18.9	<0.025	15
CRI702	23/03/2006	5500	0.1	8.0	24.0	0.2	<10
CRI704	23/03/2006	5370	0.	8.0	23.0	0.2	20
CRI705	22/03/2006	5600	0.4	8.0	20.1	0.	15
CRI706	22/03/2006	5500	0.4	8.5	21.2	0.	15
CRI990	20/03/2006	6480	0.8	7.5	18.0	0.025	15
CRI999	20/03/2006	6000	0.8	8.5	20.0	0.05	10
FLD485	23/03/2006	580	0.	7.0	18.0	0.025	30
FLD487	23/03/2006	840	0.	7.0	21.0	0.025	20
FLD490	24/03/2006	1060	<0.05	8.0	18.0	<0.025	40
FLD504	24/03/2006	3190	<0.05	7.5	23.0	<0.025	20
FLD510	24/03/2006	0	0.	0.0	0.0	0.	0
FLD900	21/03/2006	4300	0.8	7.5	20.7	0.025	10
FLD935	22/03/2006	2890	0.8	7.5	25.0	0.1	20
FLD940	24/03/2006	130	<0.05	8.5	20.0	<0.025	80
FLD944	24/03/2006	690	0.	8.0	25.0	0.	20
FLD995	22/03/2006	3180	0.8	8.5	29.5	0.025	30
WAT500	22/03/2006		0.8	8.0		0.05	20
WAT700	22/03/2006	4160	4.0	8.0	21.3	0.025	10

How healthy is your site?			
	Good	Possible problems	Poor
pH	6 - 8.5		<6 or >8.5
Salinity (ECUs)	<1000	1000-2000	>2000
Turbidity (NTU's)	<20	20-50	>50
Nitrate (mg/L)	<0.1	0.1-1.0	>1.0
Phosphate (mg/L)	<0.1	0.1-1.0	>1.0

This table is based on water quality criteria as recommended by the SA EPA (1998). This table should only be used as a guide to water quality. There are many substances and organisms which have not been tested for which may or may not be present in the water and which can have effects on the ecosystems.

Sites with a '0' reading for all parameters were dry this month. * indicates an estuarine site.