

Onkaparinga Waterwatch Snapshot 1

LOWER ONKAPARINGA sites monitored		
Code	Group Name	Site Description
ONK538	Goyder Waterwatch	Branch Biggs Flat crossing Hahn-Ech rd from E. u/strm
ONK540	Biggs Flat - Echunga Landcare Group	Chapel Hill Rd just off Strath Rd, Biggs Flat
ONK545	Biggs Flat - Echunga Landcare Group	Biggs Flat Ck as it crosses Strath Rd on u/strm side
ONK703	Scott Creek P.S.	Under bridge Scott Creek Rd Nth Woolcock Rd inter-section
ONK706	Scott Creek P.S.	Scott Creek next to Kurla Lane Oval
ONK708	Scott Creek P.S.	on Lightburn's property, done by Scott Ck P.S.
ONK710	Scott Creek P.S.	Scott Ck X's Scott Ck Rd, 2km SW of Scott Ck PS.
ONK730	Scott Creek P.S.	Near MacKreath Cottage in NP picnic area, Matthews Rd
ONK740	Scott Creek P.S.	MacKreath Ck bridge Dorset Vale Rd, 1km S Matthews Rd
ONK788	Clarendon P.S.	D/strm Formby rd Bridge after 2 creeks have joined
ONK815	Clarendon P.S.	Main Onka River in River Bend Park near toilets
ONK911	Kangarilla Landcare	Ck coming into confluence from south
ONK912	Kangarilla Landcare	Ck near shed where planting project is being done
ONK913	Kangarilla Landcare	Creek crossing Hillyfields Road from N into confluence
ONK918	Friends of Onkaparinga	Ford on Onka River in gorge in Onka CP u/strm of Kanga Ck
ONK922	Kangarilla Landcare	Kangarilla Ck where it crosses Cut Hill Rd
ONK924	Kangarilla P.S.	Creek in Kangarilla Primary School grounds
ONK930	Kangarilla Landcare	Peters Ck Rd W of bridge after 2 branches joined
ONK933	Clarendon P.S.	white creek - Clarendon
ONK935	Kangarilla Landcare	Downstream of convergence of 3 creeks
ONK940	Friends of Onkaparinga	Kanga Creek just before it enters Onka River in Onka CP
ONK941	Friends of Onkaparinga	Onka River in pool below entry of Kanga Creek in Onka CP
ONK970	Friends of Onkaparinga	Main Onka River in Onka CP below ck drain quarry area
ONK980	Noarlunga Primary School	main river channel behind school
ONK984	Debbie Dunn Home School	Patapinda bridge on Patapinda rd Old Noarlunga (formerly ONK888)

Lower Onkaparinga catchment
 Incorporating: Kangarilla Creek, Clarendon Creek and main Onkaparinga channel



What does your fish mean?

Good water quality	Possible problems	Poor quality water

A blue fish this month... The majority of the results are well within the very healthy range. There are just a couple of salinity readings that are moderately high.



Catchment overview

Salinity

Salinity levels were recorded at four sites only this snapshot, so it is a bit difficult to determine a genuine overview of salinity in the catchment. However, on average from the data that was collected it is most appropriate to allocate a yellow fish .

pH

All sites recorded a pH level within the acceptable range.

Nutrients

There were minimal nutrients (nitrates, phosphates) present at sites this month. Infact there were 4 sites that recorded 0mg/l of nitrate. All but one nutrient reading was within the range that is considered very healthy. The one exception being ONK990 which recorded a phosphate reading of 1.0mg/l.

Turbidity


Turbidity levels are excellent this snapshot. Every site that had water recorded a turbidity reading of either 10 or <10 , the best possible reading available.



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Frogs heard:



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

None recorded at any site!

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

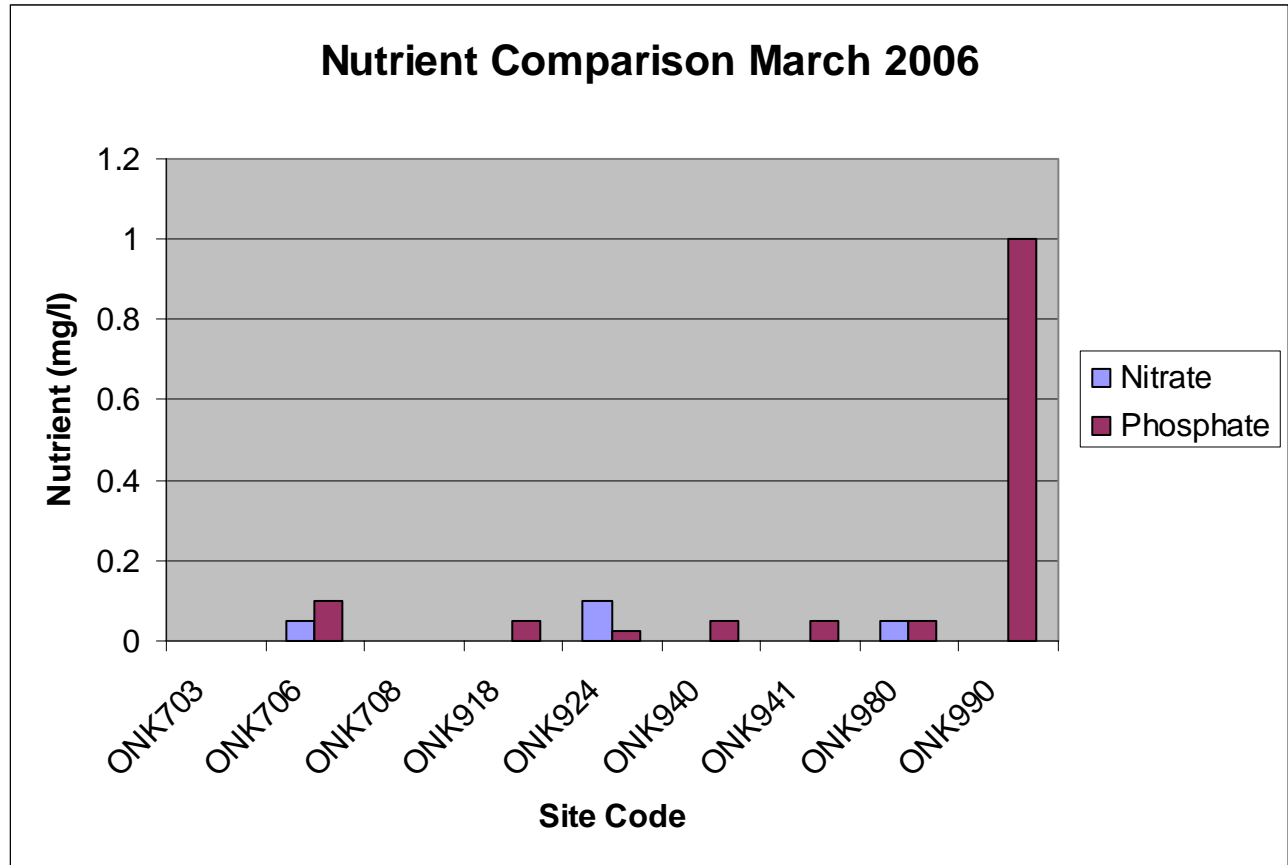


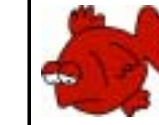


Table of Results March 2006

Code	Date	Depth (M)	EC (uS/cm)	Nitrate (mg/l)	pH (Units)	Temp (Degrees C)	Phosphate (mg/l)	Turbidity (NTU)
ONK703	20/03/2006		0	0.	0.0	0.0	0.	0
ONK706	20/03/2006		790	0.05	7.5		0.1	<10
ONK708	20/03/2006		0	0.	0.0	0.0	0.	0
ONK918	22/03/2006		1480	0.	7.5	24.5	0.05	<10
ONK924	23/03/2006			0.1	7.5	18.0	0.025	<10
ONK940	22/03/2006		2920	0.	8.0	24.0	0.05	<10
ONK941	22/03/2006		2450	0.	8.0	24.0	0.05	<10
ONK980	28/03/2006			0.05	7.5	23.0	0.05	10
ONK983	22/03/2006		0	0.	0.0	0.0	0.	0
ONK990	22/03/2006	1.2		0.	7.5	16.0	1.0	

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
Phosphpate (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.