

**ESTIMATES AND FINANCIAL OPERATIONS COMMITTEE  
QUESTIONS ON NOTICE SUPPLEMENTARY INFORMATION**

**Friday, 7 November 2014**

**Swan River Trust**

*[Supplementary Information C10]*

*Question:*

*Hon A Clohesy MLC asked for further information why asbestos was not monitored in the river during dredging for the Elizabeth Quay project.*

*Answer:*

Asbestos was identified in the Swan River dredge sediments, primarily in the top metre, and as a precaution all dredge sediments were managed as containing asbestos fibres.

Asbestos is a threat to human health when it becomes airborne as friable free particles. Asbestos bound to sediments in the river is unlikely to release fibres in a wet and solid form, and therefore is not considered a significant environmental risk if managed appropriately. It is not common practice to measure asbestos in liquids as asbestos does not dissolve in water and does not typically become airborne in this form.

The risk of generating asbestos-bound dust particles from the mobilisation of riverbed sediments during dredging was managed in accordance with approved Dust and Asbestos Management Plans, including monitoring of air and dredge sediment stockpiles for asbestos fibres during the dredging.



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**ESTIMATES AND FINANCIAL OPERATIONS COMMITTEE  
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**Friday, 7 November 2014**

**Swan River Trust**

*[Supplementary Information C11]*

*Question:*

*Hon A Clohesy MLC asked for a copy of Department of Health pathogen monitoring results showing map used for sampling for public health at popular swimming sites.*

*Answer:*

The Department of Health coordinates bacterial water quality monitoring on a weekly to fortnightly basis (November – May) at 28 popular swimming locations in the Swan and Canning rivers. Details of the department's program can be found on the Swan and Canning Beach Grades section of its website, which includes an interactive map identifying sites and grades. A copy of the general map is attached.

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# Beach grade sampling sites and classifications from Department of Health website

WA Health - Public Health - Beach Grades Swan and Canning River - Windows Internet Explorer provided by DEC

http://www.public.health.wa.gov.au/3/1279/2/beach\_grades

File Edit View Favorites Tools Help

Please also take time to view the Swan River Trust [Microalgae Activity Report](#) (External link) for information on weekly algal levels in the Swan and Canning rivers.

For further information about any of the beaches please contact the appropriate [Local Government](#) (External link) Environmental Health Officer.

### Interactive Map - WA Beach Grades

Legend:  
Hover over images for explanation.

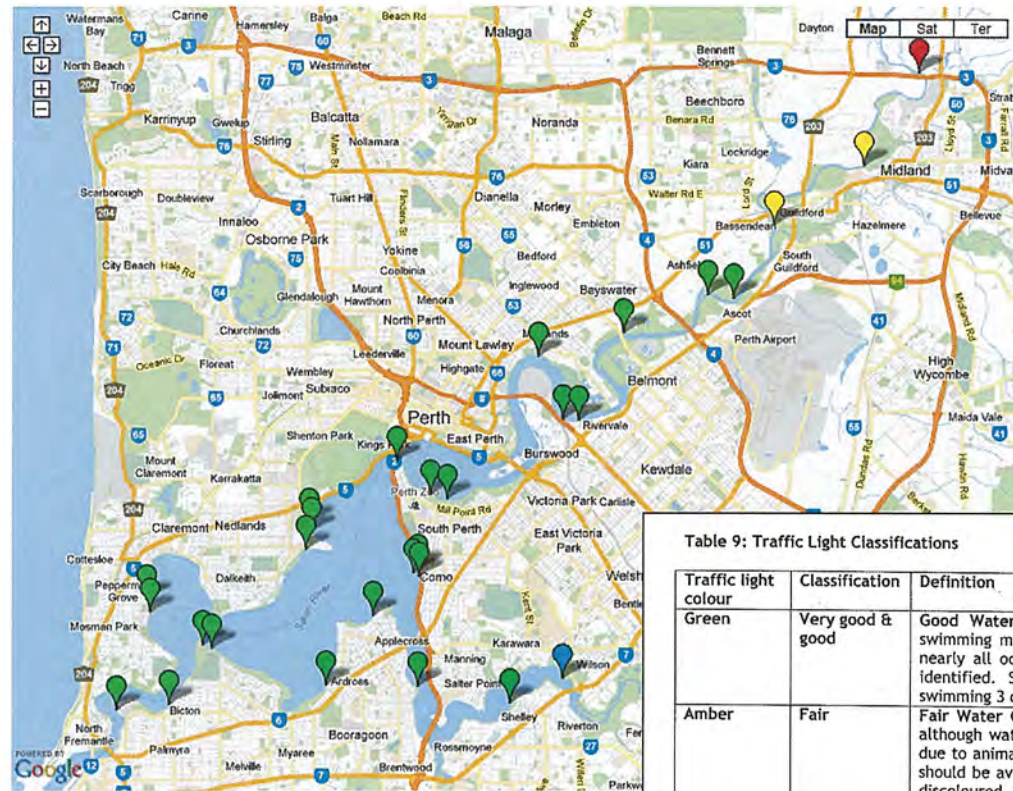
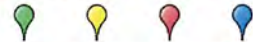


Table 9: Traffic Light Classifications

Traffic light colour	Classification	Definition
Green	Very good & good	Good Water Quality (Very Good & Good): Conditions are safe for swimming most of the time. Water quality tests are generally good on nearly all occasions and there are few potential faecal pollution sources identified. Standard advisories should be followed such as avoiding swimming 3 days after heavy rainfall in river and estuarine waters.
Amber	Fair	Fair Water Quality (Fair): Conditions are generally okay for swimming, although water quality tests can show times of elevated bacteria mostly due to animal pollutant sources (e.g. bird faeces) and rainfall. Swimming should be avoided at least 3 days after heavy rainfall and if the water is discoloured.
Red	Poor & very poor	Poor Water Quality (Poor & Very Poor): Conditions are generally not okay for swimming, as indicated by past results. There may be a higher risk of illness if you ingest the water, particularly by the very young, the very old and those with compromised immunity. Swimming or putting your head under the water should be avoided. Activities such as canoeing, boating and fishing are still suitable. High bird life, low dilution, low salinity and stormwater pollution may help pathogens survive longer in these waters, particularly after rainfall events.



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*[Supplementary Information C12]*

*Question:*

*Hon A Clohesy MLC asked for the Department of Health monitoring data and public health threshold exceedances over the past three financial years.*

*Answer:*

The Department of Health provides the Trust with summary data annually. The October 2014 data summary that has recently been provided is shown in the attached document. This is inclusive of site information since 2009.



**PUBLIC** /INTULET  
11/12/14 mgj



## Recreational Waters Bacterial (Enterococci) Sampling Program Site Status Overview (October 2014) - Swan and Canning Rivers

LGA	Site Code	Site Name	Result Years	No. Samples	95th %tile	Microbial Assess Category (MAC)	1-off Trigger Level (99th %tile)	2-in-a-row Trigger Level (90th %tile)	Sanitary Assess Category (SAC)	SAC Key Factors	SAC Status Comments	Provisional Class	Provisional Colour	Min No. LGA Samples Required 2014-2015
SWAN	EV3/520	Middle Swan Reserve	2009-2014	112	920	D	11692	320	High	Rainfall	Collect 10 rainfall (24-48hrs) samples	Very poor	Red	5
SWAN	EV3/519	Ray Marshall Park (First Ave)	2009-2014	88	330	C	24000	140	High - F/up	Rainfall	Collect 10 rainfall (24-48hrs) samples	Poor	Red	12
BASSEDEAN	EV3/548	Point Reserve (Nth Jetty)	2011-2014	54	640	D	545	174	High - F/up	Rainfall	Collect 10 rainfall (24-48hrs) & stormwater samples	Very Poor	Red	12
BASSEDEAN	EV3/522	Sandy Beach Reserve	2009-2014	63	490	C	11720	522	Moderate	Rainfall	Collect 10 rainfall (24-48hrs) samples	Poor	Red	12
BELMONT	EV3/517	Garvey Park (Fauntleroy Ave)	2009-2014	75	390	C	1992	220	Moderate	Rainfall	Collect 10 rainfall (24-48hrs) samples	Poor	Red	12
BELMONT	EV3/539	Cracknell Park (Riversdale Rd)	2009-2014	72	85	B	125	50	Moderate	Rainfall	Collect 10 rainfall (24-48hrs) samples	Good	Green	12
BELMONT	EV3/538	Belmont Park Beach (End Beach - Goodwood Pd)	2009-2014	71	135	B	202	65	Moderate	Rainfall	Collect 10 rainfall (24-48hrs) samples	Good	Green	12
BAYSWATER	EV3/523	Hind Reserve (Garratt Rd - Jetty)	2009-2014	70	65	B	95	43	Outstanding		Provide DoH Sanitary Inspection Report	Good	Green	12
BAYSWATER	EV3/541	East St Maylands Yacht Club	2009-2014	67	110	B	217	57	Outstanding		Provide DoH Sanitary Inspection Report	Good	Green	12
PERTH	PR3/022	Claisebrook	2011-2014	55	12	A	43	22	Outstanding		Provide DoH Sanitary Inspection Report	Very Good	Green	12
PERTH	PR3/023	Trinity	2011-2014	56	310	C	676	136	Outstanding		Provide DoH Sanitary Inspection Report	Fair (a)	Amber	12
PERTH	PR3/024	Point Fraser	2011-2014	57	160	B	180	70	Outstanding		Provide DoH Sanitary Inspection Report	Good	Green	12





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PERTH	PR3/025	Barrack Jetty	2011-2014	57	36	A	79	32	Outstanding		Provide DoH Sanitary Inspection Report	Very Good	Green	12
PERTH	PR3/026	Mounts Bay Road	2011-2014	56	200	B	324	88	Outstanding		Provide DoH Sanitary Inspection Report	Good	Green	12
SOUTH PERTH	EV3/513	Coode St South Perth	2009-2014	87	260	C	404	106	Moderate - F/up	Rainfall	Collect 10 rainfall (24-48hrs) samples	Poor	Red	12
SOUTH PERTH	EV3/546	South Perth (Esplanade Beach)	2009-2014	102	125	B	185	61	Outstanding		Provide DoH Sanitary Inspection Report	Good	Green	12
SOUTH PERTH	EV3/512	Narrows Bridge	2009-2014	86	180	B	3657	97	Outstanding		Provide DoH Sanitary Inspection Report	Good	Green	12
SOUTH PERTH	EV3/537	Como Beach North	2009-2014	80	280	C	3102	196	Outstanding		Provide DoH Sanitary Inspection Report	Fair (a)	Amber	12
SOUTH PERTH	EV3/511	Como Beach Jetty	2009-2014	67	24	A	156	10	Outstanding		Provide DoH Sanitary Inspection Report	Very Good	Green	12
SOUTH PERTH	EV3/536	Como Beach South	2009-2014	80	110	B	537	53	Outstanding		Provide DoH Sanitary Inspection Report	Good	Green	12
CANNING	EV3/547	Clontarf Bay (Cadets)	2010-2014	76	440	C	623	157	Moderate - F/up	Rainfall	Collect 5-10 rainfall (24-48hrs) samples	Poor	Red	12
CANNING	EV3/542	Shelly Beach (Near Drain)	2009-2014	73	180	B	987	97	High - F/up	Rainfall	Collect 10 rainfall (24-48hrs) & stormwater samples	Fair (a)	Amber	12
MELVILLE	EV3/540	Deep Water Point Beach (Near Jetty)	2009-2014	73	30	A	86	23	Moderate - F/up	Rainfall	Collect min 5-10 rainfall (24-48hrs) samples	Good (a)	Green	12





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MELVILLE	EV3/534	Waylen Bay (Scout Hall)	2009-2014	72	40	A	118	27	Outstanding		Provide DoH Sanitary Inspection Report	Very Good	Green	12
MELVILLE	EV3/507	Cunningham St (Applecross)	2009-2014	76	30	A	92	21	Outstanding		Provide DoH Sanitary Inspection Report	Very Good	Green	12
MELVILLE	EV3/533	Point Walter (Boat Ramps)	2009-2014	76	32	A	77	29	Outstanding		Provide DoH Sanitary Inspection Report	Very Good	Green	12
MELVILLE	EV3/532	Point Walter (Kiosk)	2009-2014	75	65	B	131	41	Low	Stormwater	Provide DoH stormwater drain monitoring results	Good	Green	12
MELVILLE	EV3/505	Bicton Baths	2009-2014	75	30	A	52	31	Moderate - F/up	Stormwater	Provide DoH stormwater drain monitoring results	Good (a)	Green	12
SUBIACO	EV3/530	Hackett Dve Crawley (Tree)	2009-2014	73	115	B	191	59	Moderate - F/up	Rainfall	Collect 10 rainfall (24-48hrs) & stormwater samples	Good	Green	12
SUBIACO	EV3/528	Hackett Dve Crawley (Kiosk, Jetty)	2009-2014	73	165	B	352	79	High - F/up	Rainfall	Collect 10 rainfall (24-48hrs) samples	Fair (a)	Amber	12
SUBIACO	EV3/543	Abrahams Reserve Beach	2009-2014	73	45	B	117	30	Moderate - F/up	Rainfall	Collect 5-10 rainfall (24-48hrs) & stormwater samples	Good	Green	12
PEPPERMINT GROVE	EV3/503	Keane St Beach (50M S Irvine)	2009-2014	68	80	B	144	47	Outstanding		Provide DoH Sanitary Inspection Report	Good	Green	12
MOSMAN PARK	EV3/544	Johnston Street - Hill Tce Beach	2009-2014	72	5	A	32	17	Outstanding		Provide DoH Sanitary Inspection Report	Very Good	Green	5
EAST FREMANTLE	EV3/545	Preston Point - John Tonkin Park	2009-2014	43	16	A	51	22	Outstanding		Provide DoH Sanitary Inspection Report	Very Good	Green	12

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*[Supplementary Information C13]*

*Question:*

*Hon K Travers MLC asked what strategies, plans and actions are in place to address issues identified in the Swan River Trust Non Nutrient Contaminants Program, including site CB106?*

*Answer:*

The most recent phase of the Non-Nutrient Contaminants Program (NNCP) was undertaken to further investigate non-nutrient contaminants at priority sites, including Claisebrook Cove in East Perth, consistent with the National Water Quality Management Strategy. The key action of Government in response to these investigations was the classification of the Mardalup Park site adjacent to Claisebrook Cove as "Remediated - Restricted Use" under the Contaminated Sites Act 2003. Findings from these investigations are also being used to inform management practices for in-river construction activities of nearby developments to minimise disturbance of sediments and ensure that risks to the river are appropriately managed. Further actions in regard to contaminants in the area, including site CB106 between Point Fraser and Heirisson Island are being considered amongst other priorities of the program.



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