

**Senate Standing Committee on Environment, Communications and the Arts**

Answers to questions on notice

**Environment, Water, Heritage and the Arts portfolio**

Additional Estimates, February 2009

<b>Outcome:</b>	3	<b>Question No:</b>	154
<b>Output:</b>	3.1		
<b>Division/Agency:</b>	Murray-Darling Basin Authority		
<b>Topic:</b>	Efficiency Dividend		
<b>Hansard Page ECA:</b>	Written Question on Notice		

**Senator Birmingham asked:**

1. How has the Authority implemented the one-off two per cent efficiency dividend (ED)?
2. Where have savings been achieved – i.e. which programs/resources have been cut?
3. Has the Authority had to reduce any activities that it considers to be ‘core business’ or has it had to reduce service standards as a result of the ED?

**Answers:**

1-3. The Murray-Darling Basin Authority commenced operating on 8 September 2008 and was therefore not subject to the one-off two per cent efficiency dividend.

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<b>Outcome:</b>	3	<b>Question No:</b>	155
<b>Output:</b>	3.1		
<b>Division/Agency:</b>	Murray-Darling Basin Authority		
<b>Topic:</b>	Staffing		
<b>Hansard Page ECA:</b>	Written Question on Notice		

**Senator Birmingham asked:**

1. Have staffing numbers been reduced as a result of the efficiency dividend and/or other budget cuts? If so, where and at what level?
2. Are there any plans for staff reductions? If so, please advise details i.e. reduction target, how this will be achieved, services/programs to be cut etc.
3. What changes are underway or planned for graduate recruitment, cadetships or similar programs? Are such employment programs being reduced? If so, by how many and has the Authority done an analysis on long term effect on retention and attrition?
4. Has the Authority's consultancy expenditure increased due to reduced staffing?

**Answers:**

1. No. The Murray-Darling Basin Authority commenced operating on 8 September 2008 and its first budget allocation was net of the efficiency dividend.
2. Not at this stage, however numbers will be reviewed each year.
3. As a new agency the Authority will be introducing its first graduate program in 2010.
4. No.

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<b>Outcome:</b>	3	<b>Question No:</b>	156
<b>Output:</b>	3.1		
<b>Division/Agency:</b>	Murray-Darling Basin Authority		
<b>Topic:</b>	Appropriation		
<b>Hansard Page ECA:</b>	Written Question on Notice		

**Senator Birmingham asked:**

Noting the Government's *Federal Financial Relations Bill 2009*, which appropriates money to Treasury to pass on to the States;

- Does the Authority receive any appropriations that will be transferred to the Treasury Dept?
- What are these?

**Answers:**

- No.
- Not applicable.

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<b>Outcome:</b>	3	<b>Question No:</b>	157
<b>Output:</b>	3.1		
<b>Division/Agency:</b>	Murray-Darling Basin Authority		
<b>Topic:</b>	Resources		
<b>Hansard Page ECA:</b>	Written Question on Notice		

### Senator Birmingham asked:

1. Does the Authority have enough analytical resources at its disposal? For example, the Government has cut funding to the ABS – is the Authority provided with enough data Collection for evidence-based policy making and evaluation?
2. Did the Authority use any depreciation funding for recurrent expenditure in 2007-08?
3. Has the Authority used any depreciation funding for recurrent expenditure this year?
4. Has any depreciation funding been used for purposes other than the replacement of capital items in 2007-08?
5. How much has the Authority spent on the replacement of capital items in the first six months of 2008-09?

### Answers:

1. Yes. The Authority will utilise a range of internal and external analytical resources and data collection processes to assist in evidence-based policy making and evaluation.
2. Not applicable as the Authority commenced operations on 8 September 2008.
3. No
4. No
5. The Authority has spent \$9,000 on the replacement of capital items since its commencement on 8 September 2008 and 31 December 2008.

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<b>Outcome:</b>	3	<b>Question No:</b>	158
<b>Output:</b>	3.1		
<b>Division/Agency:</b>	Murray-Darling Basin Authority		
<b>Topic:</b>	Stimulus Package		
<b>Hansard Page ECA:</b>	Written Question on Notice		

**Senator Birmingham asked:**

1. Does the Authority have any involvement in measures announced as part of the \$42 billion budget stimulus package?
2. If so, was (and when was) the Authority asked for input before the stimulus package was announced?
3. When did the Authority know details about the stimulus package affecting its portfolio?

**Answers:**

1. No.
2. Not applicable
3. Not applicable

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Additional Estimates, February 2009

**Outcome:** 3 **Question No:** 159  
**Output:** 3.1  
**Division/Agency:** Murray-Darling Basin Authority  
**Topic:** Staffing  
**Hansard Page ECA:** Written Question on Notice

### Senator Birmingham asked:

1. What is the current total staffing for the Authority – permanent and temporary?
2. What was the total Full Time Equivalent (FTE) staffing level for the Authority on 1 July 2008?
3. How many permanent staff were recruited in calendar year (CY) 2008 and in financial year (FY) 2008-09 to date? What level are these staff?
4. How many temporary positions exist or have been created in CY 2008 and in FY 2008-09 to date?
5. For CY 2008 and FY 2008-09 to date, how many employees have been employed on contract and what is the average length of their employment period?

### Answers:

1. As at 4 March 2009 the Authority has 219 staff, of which 204 are permanent and 15 are temporary.
2. Nil, the Authority commenced operation on 8 September 2008.
3. 182 permanent staff were recruited in calendar year 2008 of which 177 were staff who accepted an offer of employment from the former Murray-Darling Basin Commission (MDBC) and joined the Authority on 15 December 2008. As at 4 March 2009, 204 permanent staff have been recruited in 2008-09, this includes the 177 former MDBC staff. A breakdown by classification is as follows:

	CEO	SES2	SES1	EL2	EL1	APS6	APS5	APS4	APS3	APS2	APS1	Total
2008	1	4	6	40	47	38	28	10	4	1	3	182
2008/09	1	4	7	44	56	42	31	11	4	1	3	204

4. 15 temporary positions were created during calendar year 2008 and up until 4 March 2009 in 2008/09.
5. 15 employees were employed on contracts during calendar year 2008 and up until 4 March 2009 in 2008/09. The average length of employment contracts is 9 months.

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<b>Outcome:</b>	3	<b>Question No:</b>	160
<b>Output:</b>	3.1		
<b>Division/Agency:</b>	Murray - Darling Basin Authority		
<b>Topic:</b>	Program Underspend		
<b>Hansard Page ECA:</b>	Written Question on Notice		

**Senator Birmingham asked:**

1. Which programs are currently tracking for an underspend this financial year?
2. How many of the Authority's funding programs/budget measures lapse this Financial Year and what are they?

**Answers:**

1. No significant underspends are currently projected for 2008/09.
2. None.

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<b>Outcome:</b>	3	<b>Question No:</b>	161
<b>Output:</b>	3.1		
<b>Division/Agency:</b>	Murray-Darling Basin Authority		
<b>Topic:</b>	Gershon Review		
<b>Hansard Page ECA:</b>	Written Question on Notice		

**Senator Birmingham asked:**

1. What impact will the Gershon Review have on the Authority?
2. How much money will be saved?
3. Will the Authority be required to return any money to Budget for 2009-10

**Answers:**

1. The Authority expects to realise some savings as a result of streamlining purchasing processes and being able to access pricing benefits previously only available to high-volume purchasing agencies. Additionally the Green Information, Communication and Technology initiatives have the potential to deliver power savings that would also benefit the Authority.
2. It is not possible to determine the savings at this stage.
3. No



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<b>Outcome:</b>	3	<b>Question No:</b>	162
<b>Output:</b>	3.1		
<b>Division/Agency:</b>	Murray-Darling Basin Authority		
<b>Topic:</b>	Media Monitoring		
<b>Hansard Page ECA:</b>	Written Question on Notice		

**Senator Birmingham asked:**

1. How much was spent on media monitoring in CY 2008?
2. How much has been spent on media monitoring in FY 2008-09 to date?
3. How many staff in the Authority are employed for media related duties?

**Answers:**

1. In 2008 the Authority spent \$1,151 on media monitoring.
2. As at 17 March 2009 \$8,155.39 has been spent on media monitoring in 2008-09.
3. As at 17 March 2009 two staff members were responsible for media related duties.

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<b>Outcome:</b>	3	<b>Question No:</b>	163
<b>Output:</b>	3.1		
<b>Division/Agency:</b>	Murray-Darling Basin Authority		
<b>Topic:</b>	Government Advertising		
<b>Hansard Page ECA:</b>	Written Question on Notice		

### Senator Birmingham asked:

1. What communications programs has the Authority undertaken, or is planning to undertake?
2. For each program, what is the total spend? Please detail including media advertisements (where placed and costs).
3. What was the total spend on advertising by the Authority in CY 2008 and for FY 2008/09 to date?

### Answers:

1. The following communications programs have been undertaken by the Authority in 2008/09:
  - Public Notice: Farmers Federation Year Book informing readers of the establishment of the Authority and its absorption of Murray-Darling Basin Commission functions;
  - Public Notice: Local Government Year book informing readers of the establishment of the Authority and its absorption of Murray-Darling Basin Commission functions;
  - Landcare Magazine December 2008 advertorial;
  - Landcare Magazine March 2009 advertorial;
  - The Living Murray ongoing communications program.

The following communications programs are planned in 2008/09:

- Native Fish Awareness Week;
  - Basin Kids web site development and launch;
  - Website promotion to promote new information and services on MDBA web site;
  - Landcare Magazine advertorial June 2009.
2. The costs for these activities in 2008/09 are:
    - Public Notice: Farmers Federation Annual Review - \$2,353.45;
    - Public Notice: Local Government Year book - \$2,495;
    - Landcare Magazine December 2008 - \$4039.02;
    - Landcare Magazine March 2009 - \$4,039.02;
    - Landcare Magazine June 2009 - \$4,039.02;

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- Native Fish Awareness Week – estimated expenditure of \$40,000 of which approximately \$2,000 will relate to media advertisements;
  - Basin Kids web site – estimated expenditure of \$50,000 of which approximately \$3,000 will relate to printed advertisement material to be distributed at conferences and events and via email;
  - Promotion of new information and services on new MDBA web site – estimate expenditure of \$3,000 for advertisement material to be distributed at conferences and events and via email;
  - The Living Murray communications program – estimated expenditure of \$137,500 of which approximately \$10,000 will relate to newspaper advertising.
3. Total spend on advertising by the Authority in 2008 was \$106,424.65 of which \$102,385.63 related to recruitment advertising associated with the establishment of the Authority. Expenditure in 2008/09, up to 17 March 2009, was \$145,214.30 of which \$128,248.79 related to recruitment advertising.

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## Environment, Water, Heritage and the Arts portfolio

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**Outcome:** 3 **Question No:** 164  
**Output:** 3.1  
**Division/Agency:** Murray-Darling Basin Authority  
**Topic:** Hospitality  
**Hansard Page ECA:** Written Question on Notice

### Senator Birmingham asked:

1. What is the Authority's hospitality spend for CY 2008 and for FY 2008/09 to date?
2. Please detail date, location, purpose and cost of all events.

### Answers:

1. The Authority's hospitality spend for calendar year 2008 and for 2008/09 up to 17 March 2009 was \$116.45
2. Details of the expenditure are as follows:

<b>Date</b>	<b>Location</b>	<b>Purpose</b>	<b>Cost</b>
24/11/2008	Mycafe – Manuka ACT	Liaison with Canadian Manitoban Water Stewardship re water matters	\$60.20
26/10/2008	Pangaea Restaurant – Manuka ACT	Discussion with officials of South Australian Department of Water, Land and Biodiversity Conservation re water information issues	\$56.25

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Additional Estimates, February 2009

<b>Outcome:</b>	3	<b>Question No:</b>	165
<b>Output:</b>	3.1		
<b>Division/Agency:</b>	Murray-Darling Basin Authority		
<b>Topic:</b>	Board Appointments		
<b>Hansard Page ECA:</b>	Written Question on Notice		

**Senator Birmingham asked:**

1. What is the gender ratio on each board across the portfolio, and what is the total ratio across the portfolio?
2. In which states/territories do these Board members reside?

**Answers:**

1. While not a Board the Murray-Darling Basin Authority comprises six members: a part-time Chair, four part-time members and the Chief Executive. As at 19 March 2009 the Chief Executive, Mr Rob Freeman, is the only member of the Authority. The Department of the Environment, Water, Heritage and the Arts has responded to a similar question on notice (number 213) in relation to Board Members across the greater portfolio.
2. Mr Freeman temporarily resides in the Australian Capital Territory.

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<b>Outcome:</b>	3	<b>Question No:</b>	166
<b>Output:</b>	3.1		
<b>Division/Agency:</b>	Murray-Darling Basin Authority		
<b>Topic:</b>	FOI Requests		
<b>Hansard Page ECA:</b>	Written Question on Notice		

**Senator Birmingham asked:**

1. Has the Authority received any advice on how to respond to Freedom of Information (FOI) requests?
2. How many FOI requests has the Authority received?
3. How many have been granted or denied?
4. How many conclusive certificates have been issued in relation to FOI requests?

**Answers:**

1. No.
2. The Murray Darling Basin Authority has received one FOI request since its establishment on 8 September 2008.
3. The request is currently being considered.
4. Nil.

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## Environment, Water, Heritage and the Arts portfolio

Additional Estimates, February 2009

**Outcome:** 3 **Question No:** 167  
**Output:** 3.1  
**Division/Agency:** Murray Darling Basin Authority  
**Topic:** Consultancies  
**Hansard Page ECA:** Written Question on Notice

### Senator Birmingham asked:

1. How many consultancies have been undertaken or are underway since November 2007?
2. Please identify the name of the consultant, the subject matter of the consultancy, the duration and cost of the consultancy, and the method of procurement (i.e. open tender, direct source, etc). Please also include total value for all consultancies.
3. How many consultancies are planned or budgeted for this calendar year?
4. Have these been published in the Authority's Annual Procurement Plan (APP) on the AusTender website? If not, why not? In each case please identify the subject matter, duration, cost and method of procurement as above, and the name of the consultant if known.

### Answers:

- 1 & 2. Up until 30 March 2009 a total of 40 consultancies with a value of \$8,538,366 (inclusive of GST) have been undertaken or are underway since the commencement of the Authority on 8 September 2008 or the transfer of functions from the former Murray-Darling Basin Commission (MDBC) to the Authority on 15 December 2008. Details of these consultancies are provided at Attachment A.

The list includes only those agreements which meet the requirements set out in The Department of Finance and Deregulation's "Guidance on Procurement Publishing Obligations (Financial Management Guidance No. 15" July 2007) and therefore does not include consultancies which have a consideration of less than \$10,000.

3. Based on current priorities the Murray-Darling Basin Authority plans to undertake the consultancies listed in Attachment B in 2009.
4. The Murray-Darling Basin Authority did not produce an Annual Procurement Plan for 2008-09 as it was created on 8 September 2008. The first Procurement Plan for the 2009-10 financial year will be published on the Authority's Website by 30 June 2009 in accordance with procurement guidelines. Details of the currently proposed consultancies for 2009 are at Attachment B.

Subject matter	Start date	End date	Estimated cost	Method of procurement	Consultant name
Broad interim assessment of the socio-economic impact of water recovery in the Living Murray	24-Nov-08	26-Jun-09	110,000	Open tender	Access Economics Pty Ltd
Securing the southern-purple spotted gudgeon in the Southern Murray Darling Basin: establishing captive maintenance	09-Jan-08	31-Dec-08	49,500	Direct Sourcing	Aquasave Consultants
Development of refinements for the Mallee Zone Hydrogeologic Model for Victoria and NSW B Register "Legacy of History" Assessments	16-Jul-08	13-Mar-09	110,000	Direct Sourcing	Aquaterra Consulting Pty Ltd
Nature, frequency and impact of Gambusia aggression on native fish	03-Nov-08	30-Nov-11	42,079	Direct Sourcing	Australian National University
Compilation of Native Fish Strategy outputs and initiatives	23-Feb-09	16-Apr-09	26,580	Direct sourcing	Australian Wetlands Pty Ltd
Extension of regional carp plan for Dalby Demonstration Reach	27-Oct-08	30-Apr-09	16,500	Direct Sourcing	Braysher Consulting
Estimating land surface diversions by remote sensing techniques	14-Dec-07	30-Apr-10	522,500	Direct Sourcing	Charles Sturt University
Sustainable Management of Murray Spiny Crayfish	26-May-08	30-Jun-10	54,937	Direct Sourcing	Charles Sturt University
Australia-wide network to measure rainfall chemistry and isotopic composition	01-Jun-05	31-Mar-10	33,000	Direct Sourcing	CSIRO - Division of Land and Water
The Living Murray Environmental Works and Measures Program - Delivery Model Review	29-Sep-08	12-Jan-09	53,354	Direct Sourcing	Department of Commerce (NSW)
Scoping study to determine methodologies and data availability for identifying native fish hotspots in the MDB	15-Feb-09	30-Apr-10	175,912	Open Tender	Department of Sustainability and Environment (VIC)
Improved methodology for introducing threatened hatchery-reared fish	01-Mar-07	22-Jun-10	440,000	Open tender	Department of Primary Industries and Fisheries (QLD)
Native fish recovery following the removal of alien fish species	18-Apr-08	30-Jan-11	493,284	Open tender	Department of Sustainability and Environment (VIC)
Methods for discriminating hatchery fish and outcomes of stocking in the Murray-Darling Basin	16-Mar-07	28-Feb-10	494,749	Open tender	Department of Sustainability and Environment (VIC)
Koondrook ecological risk assessment	12-Jan-09	30-Apr-09	83,723	Direct Sourcing	Ecological Associates Pty Ltd
Cost estimates review of the Koondrook, Gunbower and Hattah Environmental Works and Measures Program (EWMP)	10-Mar-09	27-Mar-09	38,929	Direct sourcing	Evans and Peck Pty Ltd
Estimating Land Surface Diversions Stage 2	01-Nov-07	30-Apr-10	1,588,629	Open tender	Feedlot Services Austalia Pty Ltd
Basin Salinity Management Strategy (BSMS) Registers Database Stage 2	21-Apr-08	30-Jun-09	109,978	Direct Sourcing	Geometry Pty Ltd
Basin Salinity Management Strategy - Salinity Registers Database Development Stage 2	18-Oct-06	30-Jun-09	62,590	Direct Sourcing	Geometry Pty Ltd
Evaluation of the Narran Lakes environmental water purchase	22-Sep-08	27-Feb-09	75,746	Direct Sourcing	Griffin NRM Pty Ltd
Establishment of an asset register for Commission land esements	01-Jun-07	31-Dec-10	550,000	Direct Sourcing	Hassall & Associates Pty Ltd
Operational Protocols Review	27-Jan-09	19-Jun-09	35,000	Direct sourcing	Hyder Consulting Pty Ltd
Review of the Living Murray Program	27-Jan-09	27-Mar-09	77,766	Direct sourcing	KPMG
Provision of consultancy services in support of the Water Quality Working Group and overall Water quality Monitoring Program.	01-Jul-08	30-Jun-09	13,860	Direct Sourcing	Lloyd Environmental Pty Ltd
Expert advice on climate issues - Risks to Shared Water Resources Program	15-May-07	14-May-09	66,000	Direct Sourcing	Michael John Manton
Use of Optimisation I River Murray Models - Stage III	01-Nov-08	30-Jun-09	272,250	Direct Sourcing	Optimatics
Consultancy services to the native fish strategy	01-Apr-07	30-Jun-09	59,400	Direct Sourcing	Peter Jackson
Review of the Basin Salinity Management Strategy costs functions	10-Nov-08	10-Jun-09	99,000	Direct Sourcing	RMCG
Development of knowledge product on root zone drainage under irrigated agriculture in the Mallee region of the lower Murray-Darling Basin	01-Feb-09	30-Apr-09	33,000	Direct Sourcing	Robins Environmental Consulting
Basin Salinity Management Strategy (BSMS) End-of-Valley targets and programs of actions.	08-Oct-08	31-Mar-09	35,200	Direct Sourcing	Ruralplan Pty Ltd
Development and implementation of methods to consistently assess risks to shared water resources in the Murray-Darling Basin	26-May-08	15-Jan-09	379,685	Open tender	Sinclair Knight Merz Pty Ltd
Barmah Choke Bypass Options Assessment	01-Oct-07	31-May-08	488,400	Direct Sourcing	Sinclair Knight Merz Pty Ltd



Subject matter	Start date	End date	Estimated cost	Method of procurement	Consultant name
Review of Asset Register and Revaluation of the River Murray Water Assets at 30 June 2009	23-Feb-09	15-Jul-09	155,500	Direct Sourcing	SMEC Australia Pty Ltd
Integrated pest management 2007/08	23-Jan-08	30-Jun-10	524,348	Open tender	SMEC Australia Pty Ltd
Namoi LiDAR and Imagery project 2008	10-Sep-08	31-Dec-08	293,855	Direct Sourcing	Terranean Mapping Technologies Pty Ltd
The Living Murray - Use and Occupancy Mapping Training Program	12-Mar-09	29-May-09	58,993	Direct Sourcing	Terry Tobias
Caring for our country: protecting critical aquatic habitats: Consultancy for project proposal facilitation and development	04-Feb-09	30-Jun-09	77,000	Direct Sourcing	Triple Helix Consulting Pty Ltd
Potential applications for airborne remote sensed data	15-Oct-07	30-Jun-09	38,500	Direct sourcing	University of Melbourne
Susceptibility of previously untested Basin fish species to EHN Virus, and the epidemiology of EHN Virus in the wild	01-Feb-07	30-Apr-10	520,799	Open tender	University of Sydney
Understanding trends, drivers and dynamics of water markets within the Murray-Darling Basin – A scoping study	30-Oct-08	31-Dec-09	177,820	Direct Sourcing	Uniwater

<b>Total value of consultancies</b>	<b>8,538,366</b>
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**Attachment B**

<b>Subject matter</b>	<b>Duration</b>	<b>Estimated cost</b>	<b>Procurement method</b>	<b>Consultant name if known</b>
Various consultancies to develop and/or assist in development of the draft Basin Plan Monitoring and Evaluation Program	May to December 2009	\$550, 000	Request for quote, Direct Sourcing, Open Tender as appropriate	Not known
Development of Basin Plan Risk Assessments	June 2009 to June 2010	\$200,000	Request for quote, Direct Sourcing, Open Tender as appropriate	Not known
Various consultancies to assist in the development of Basin Plan Risk Mitigation Strategies	June 2009 to June 2010	\$100,000	Request for quote, Direct Sourcing, Open Tender as appropriate	Not known
Various consultancies to assist in the review of Climate Change Risk Assessment/ Knowledge	June 2009 to June 2010	\$230,000	Request for quote, Direct Sourcing, Open Tender as appropriate	Not known
Various consultancies to assist in the development of Take, Use and Interception Risk of Water Assessment/ Knowledge	June 2009 to June 2010	\$350,000	Request for quote, Direct Sourcing, Open Tender as appropriate	Not known
Various consultancies to assist in the Review of Changes to Land Use Risk Assessment and Knowledge	June 2009 to June 2010	\$400,000	Request for quote, Direct Sourcing, Open Tender as appropriate	Not known
Various consultancies to assist with identifying limitations on Knowledge Risk Assessment	June 2009 to June 2010	\$150,000	Request for quote, Direct Sourcing, Open Tender as appropriate	Not known
Various consultancies to assist with the development of a Risk Framework Pilot	June 2009 to June 2010	\$150,000	Request for quote, Direct Sourcing, Open Tender as	Not known

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<b>Subject matter</b>	<b>Duration</b>	<b>Estimated cost</b>	<b>Procurement method</b>	<b>Consultant name if known</b>
Project			appropriate	
Various consultancies to assist with the Identification of Key Environmental Assets and identification of Water Needs	May to December 2009	\$500,000	Request for quote, Direct Sourcing, Open Tender as appropriate	Not known
Various consultancies to assist in the development of an Environmental Watering Plan	May to December 2009	\$802,500	Request for quote, Direct Sourcing, Open Tender as appropriate	Not known
Various consultancies to assist with the development of Groundwater Planning	May to December 2009	Not yet estimated	Request for quote, Direct Sourcing, Open Tender as appropriate	Not known
Various consultancies to assist with the development of Surface Water Planning	May to December 2009	Not yet estimated	Request for quote, Direct Sourcing, Open Tender as appropriate	Not known
Consultancies to assist with the development of Basin Environment Attributes	April to December 2009	\$77,000	Direct Sourcing	Dr Hillman, Dr Davies (UTAS)
Various consultancies to assist with the development of Water Planning methodologies	May to December 2009	Not yet estimated	Request for quote, Direct Sourcing, Open Tender as appropriate	Not known
Consultancy services to assist with developing salinity management objectives and targets associated with the preparation of the MD Water Quality and Salinity Management Plan	July to December 2009	Not yet estimated	Request for quote, Direct Sourcing, Open Tender as appropriate	Not known
Consultancy services to assist with developing water quality objectives and	July to December 2009	Not yet estimated	Request for quote, Direct Sourcing, Open Tender as	Not known

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targets associated with the preparation of the MD Water Quality and Salinity Management Plan			appropriate	
Groundwater/Surface water connectivity – Practical approaches for identifying and accounting	May to October 2009	\$50,000	Request for quote	Not known
Consultancy services to assist with developing river management options to mitigate water quality and salinity, associated with the preparation of the MD Water Quality and Salinity Management Plan	July to December 2009	Not yet estimated	Request for quote, Direct Sourcing, Open Tender as appropriate	Not known
Consultancy services to assist with developing salinity credit and debit registers, associated with the preparation of the MD Water Quality and Salinity Management Plan	July to December 2009	Not yet estimated	Request for quote, Direct Sourcing, Open Tender as appropriate	Not known
Various consultancies to undertake hydrologic scenario modeling	August 2009 to June 2010	Not yet estimated	Direct sourcing	Not known
Consultancy to build an inventory of return flows in the Murray-Darling Basin	July 2009 to June 2010	Not yet estimated	Selection from panel	Not known
River Murray Operations Assets Insurance Review	May – June 2009	\$34,000	Direct sourcing	Aon Risk Management Services Australia Ltd