

Great Artesian Basin Sustainability Initiative: Phase 3 - State of Queensland Implementation Plan 2009-2010

NATIONAL PARTNERSHIP AGREEMENT ON THE GREAT ARTESIAN BASIN SUSTAINABILITY INITIATIVE

Preliminaries

1. This Implementation Plan is created subject to the provisions of the *Intergovernmental Agreement on Federal Financial Relations* and the *National Partnership Agreement on the Great Artesian Basin Sustainability Initiative* ('the NPA') and should be read in conjunction with those agreements.
2. The Commonwealth has agreed to provide up to \$46.5 million to the State of Queensland ('the State') under the third phase of the Great Artesian Basin Sustainability Initiative ('the Program') to assist in the capping and piping of all Great Artesian Basin bores legally operating in an uncontrolled state and related activities ('Projects').
3. The State is committed to the capping and piping of all Great Artesian Basin bores legally operating in an uncontrolled manner and has nominally allocated \$46.5 million to Projects funded under the NPA.
4. Should the funding referred to in Clauses 2 and 3 likely be insufficient to cap and pipe all such bores in the State, the State shall ensure such funding meets agreed selection criteria that have the primary aims of maximising water savings and providing the greatest protection to natural springs in the Basin.

Enforceability of this Implementation Plan

5. The Parties do not intend any of the provisions of this Implementation Plan to be legally enforceable. However, that does not lessen the Parties' commitment to this Implementation Plan.

Performance benchmarks and milestones

6. The State agrees to meet the performance benchmarks, indicators and/or milestones identified in the Projects Submission found at Annexure 1 to this Implementation Plan.

Roles and responsibilities of each party

The Commonwealth

7. Having completed an assessment of proposed Projects in accordance with the Assessment Guidelines and Project Eligibility Criteria contained in Schedule A to the NPA, the

Commonwealth will provide a financial contribution of up to \$4.704 million (GST exclusive) to the State of Queensland for Projects specified in the Projects Submission.

The State

8. The State will:

- (a) ensure that Projects specified in the Projects Submission are undertaken efficiently with fair, equitable and transparent processes and in conformity with the State's best technical, environmental and financial practices;
- (b) deliver each approved Project in accordance with the Projects Submission;
- (c) prepare an Annual Performance Report by 30 September 2010 on achievements against performance benchmarks, indicators and milestones specified for all Project activities in the annexed Projects Submission, in a form similar to that outlined in Annexure 2 below;
- (d) ensure to the fullest extent possible that at least 70 per cent of the water saved under the Great Artesian Basin Sustainability Initiative will be directed to restoring pressure in the Basin and not be reallocated for consumptive purposes (noting that the Commonwealth acknowledges that, to the end of the second phase of the Program, the State's water allocation policy for the Great Artesian Basin, which is specified in the *Water Resource (Great Artesian Basin) Plan 2006*, is consistent with the retention of at least 70% of the water saved for restoring pressure); and
- (e) ensure that funding will not be used for increasing the watered area of a property. (The watered area of a property will be determined by the application of a formula described in the Projects Submission to the current network of open bore drains. If the geographical location of the watered area on the property supported by the new controlled watering system is altered by a Project, the State will ensure that:
 - i the overall area served by that system is no greater than the watered area served by the current uncontrolled system;
 - ii it is no more costly than the cost that would have been incurred to water the original geographical area with a controlled watering system; and
 - iii water remote areas are protected.)

Funding, milestones and payments

9. The Commonwealth will provide to the State funding in accordance with the following Milestone Funding Schedule:

Milestone	Performance benchmark	Performance indicator	Date for payment on completion of performance benchmark	Payment
1	Approval of the Implementation Plan	Implementation Plan submitted by Queensland agreed to by Commonwealth Minister	Within 60 days of Commonwealth's Minister's agreement	One third of the Commonwealth's share of the total cost of all Projects agreed under the Implementation Plan
2	Queensland completes specified activities for a Project contained in the agreed Projects Submission annexed to the Implementation Plan	Authorised Queensland official certifies that the agreed specified activity (that approximates the midpoint of the Project) has been completed in accordance with the agreed Projects Submission	By 15 April 2010, subject to such certification being made by the authorised official by 15 February 2010, or by 7 June 2010, subject to such certification being made by the authorised official by 22 May 2010.	One third of the Commonwealth's share of the total cost of the agreed Project specified in the Projects Submission
3	Queensland completes a Project contained in the agreed Projects Submission annexed to the Implementation Plan	Authorised Queensland official certifies that a specified Project has been completed in accordance with the agreed Projects Submission	By 7 June 2010, subject to such certification being made by the authorised official by 22 May 2010.	One third of the Commonwealth's share of the total cost of the agreed Project specified in the Projects Submission

10. Payment will be provided by the Commonwealth Treasury to the Queensland Treasury in accordance with the above Funding Schedule arrangements. If the Milestone 2 payment is not claimed in accordance with the above table, it will become payable at the same time the Milestone 3 payment is made following the completion of the Project.

Variation of Projects Submission

11. Where either the Commonwealth or the State considers the performance of a Project will not meet the performance benchmarks or indicators specified in the Projects Submission, the Parties will immediately:
- review the Project with a view to reaching agreement on how best to meet those benchmarks or indicators (such as through varying the Project's activities); and
 - if agreement cannot be reached, either Party may thereafter terminate the Project at a subsequent date notified in writing to the other Party.

12. If the Project activities are varied under Clause 11, the Commonwealth's contribution will, in the absence of agreement to the contrary, change proportionately to the variation.
13. If a Project is terminated under Clause 11, the Commonwealth will contribute only for activities completed before the date that the Project is terminated.
14. If a Project is varied or terminated under Clause 11, any such change will be recorded as a variation to the Projects Submission.

Variation or termination of Implementation Plan

15. This Implementation Plan may be varied or terminated at any time by agreement in writing by the Ministers or their delegates and under the terms and conditions as agreed by the Ministers or their delegates.

Notice of Details for this Program

16. A notice relating to this Implementation Plan and relevant Projects, rather than the NPA generally, is to be in writing and dealt with as follows:

a) *if given by the State to the Commonwealth:*

1. Assistant Secretary
2. Aquatic Systems Health Branch
3. Water Resource Division
4. Department of Environment, Water, Heritage and the Arts
5. GPO Box 787
6. Canberra ACT 2600
7. Contact number 02 6274 2223, fax number 02 6274 2186;
8. email address: chris.schweizer@environment.gov.au

b) *if given by the Commonwealth to the State:*

9. Executive Director
10. Strategic Water Initiatives
11. Department of Environment and Resource Management
12. GPO Box 2454
13. Brisbane QLD 4001
14. Contact number 02 3330 6109, fax number 07 3330 6116
15. email address: Greg.Claydon@derm.qld.gov.au

Projects Submission for 2009-2010

NATIONAL PARTNERSHIP AGREEMENT
ON THE GREAT ARTESIAN BASIN SUSTAINABILITY INITIATIVE

Projects

Summary and duration of Projects

- A1 All Projects involve either the replacement of an existing bore drain with a piped reticulation system (piping) or the rehabilitation of an uncontrolled bore by drilling a replacement bore and decommissioning the original (redrill & plug). It is anticipated that all Projects included in this submission will be completed in the 2009-2010 financial year.

Aim of Projects

- A2 The aim of the submitted Projects is to achieve water savings and aid in recovering pressure in the Great Artesian Basin (GAB).

Project Requirements

- A3 All Projects will contribute in the following ways to the outcomes of the National Partnership Agreement:
- achieving water savings and contributing towards pressure recovery in the GAB through the replacement of old bores legally operating in an uncontrolled state and the replacement of legally operating bore drains with an efficient, controlled water reticulation system; and
 - promoting sustainable water and land management practices through the education and training of participating landholders in the operation and maintenance of the proposed infrastructure.

Project Details

- A4 Details for the proposed Projects are provided in Tables 1a, 1b and 1c, which should be read in conjunction with the following information:

- 'GABSI' means Phase 3 of the Great Artesian Basin Sustainability Initiative.
- Table 1a contains a list of the proposed Projects for 2009-2010. For all piping Projects, the approximate midpoint can be considered to be the point where all required materials for the Project have been delivered on-site. At this point approximately 90% of the cash costs for a piping Project have been incurred. Cash costs are considered to be the total cost of the Project minus the landholder's in-kind contribution to installation. Please note that for redrill and plug Projects, there is no approximate midpoint. The payment associated with milestone 2 for these Projects will be requested in addition to the payment associated with milestone 3 upon Project completion.

The average cost of rehabilitation works has increased marginally from 2008-2009 and can be attributed to the increased cost of materials and drilling contractors. It is also important to note that the depth of bores across the GAB varies markedly and this can greatly affect the average cost of rehabilitation works on an annual basis.

The increase in the average cost of water saved in the Barcardine zone can be attributed to the high percentage of rehabilitation Projects that are proposed in 2009/2010. Any subsequent bore drain replacement works on these bores will provide a significantly lower average cost per megalitre of water saved.

- Table 1b is not populated as there are no Projects proposed in 2009/2010 that that are targeted toward pressure recovery at specific high-value springs. Projects of this kind will be incorporated into subsequent years of the Program.
- Table 1c outlines the cost of managing, monitoring and reporting against the entire program. While the 2009/2010 costs are similar to those incurred in 2008/2009 it is important to realise that these management costs will increase in subsequent years of the Program as the level of works undertaken in a financial year increases in order to deliver the significantly larger Phase 3 Program.

Additional Information

A5 Additional information about the estimation of water savings, the process for determining voluntary interest, eligibility, application of the available subsidy and quality assurance is contained in table 1d.

Table 1a - GAB - Infrastructure Projects (excluding springs)

Project RN No.	Landholder name	Latitude	Longitude	Zone	Priority	Discharge Prior (l/s)	Design Flow (l/s)	Estimated Water Saved (ML/annum)	Estimated Drain Shutdown (km's)	Estimated Piping Installed (km's)	Will bore piping extend outside the geographic boundaries of the current watered area (Y/N)	If so, have measures been implemented to protect water remote areas (Y/N/NA)	Activity	Estimated Financial Year for Completion	Planned GABSI funding STATE	Planned GABSI funding CMWLTH	Planned GABSI funding L/HOLDER	Planned in-kind contribution from L/HOLDER	Critical Infrastructure Failure (Y/N)	Estimated \$ of Government funding per ML/annum saved	Comments
RN11357	tba	-22.152878600	144.537462100	Barcaldine	High	6.7	1.5	164.0	30	30	Y	Y	Piping	2009/2010	\$ 59,500	\$ 59,500	\$ 51,000	\$ 28,333	N	\$726	Redrill & Plug under GABSI in 2008/2009.
													SUB TASKS Initial approach to landholder has been made and landholder has confirmed interest Design completed, contracts signed, materials ordered and delivered on-site (Project Midpoint) Installation is complete, bore drain decommissioned and water savings realised (Project Completed)								
RN1456	tba	-23.243456707	144.607547803	Barcaldine	High	1.77	0.4	43.2	6	12	Y	Y	Piping	2009/2010	\$ 19,250	\$ 19,250	\$ 16,500	\$ 9,167	N	\$891	Relined under GABRP in 1995/1996.
													SUB TASKS Initial approach to landholder has been made and landholder has confirmed interest Design completed, contracts signed, materials ordered and delivered on-site (Project Midpoint) Installation is complete, bore drain decommissioned and water savings realised (Project Completed)								
RN1754 (Phase 2)	tba	-25.650357912	146.810849045	Barcaldine	High	N/A	N/A	N/A	N/A	18	Y	Y	Piping	2009/2010	\$ 112,500	\$ -	\$ 37,500	\$ 37,500	N		Already claimed under Phase 1 of piping, completed under BDRP in 1999/2000. Commonwealth funding not required
RN4008	tba	-22.701236510	144.421990600	Barcaldine	High	21.25	3.7	553.5	29	42	Y	Y	Piping	2009/2010	\$ 103,250	\$ 103,250	\$ 88,500	\$ 49,167	N	\$373	Redrill & Plug under GABSI in 2006/2007.
													SUB TASKS Initial approach to landholder has been made and landholder has confirmed interest Design completed, contracts signed, materials ordered and delivered on-site (Project Midpoint) Installation is complete, bore drain decommissioned and water savings realised (Project Completed)								
RN4293	tba	-23.289583700	145.014936800	Barcaldine	High	3.6	1.4	69.4	14	15	Y	Y	Piping	2009/2010	\$ 42,000	\$ 42,000	\$ 36,000	\$ 20,000	N	\$1,211	Redrill & Plug under GABSI in 2006/2007.
													SUB TASKS Initial approach to landholder has been made and landholder has confirmed interest Design completed, contracts signed, materials ordered and delivered on-site (Project Midpoint) Installation is complete, bore drain decommissioned and water savings realised (Project Completed)								
RN5032	tba	-21.875406800	144.108932429	Barcaldine	High	4	2	63.1	18	31	Y	Y	Piping	2009/2010	\$ 50,750	\$ 50,750	\$ 43,500	\$ 24,167	N	\$1,609	Redrill & Plug under GABSI in 2008/2009.
													SUB TASKS Initial approach to landholder has been made and landholder has confirmed interest Design completed, contracts signed, materials ordered and delivered on-site (Project Midpoint) Installation is complete, bore drain decommissioned and water savings realised (Project Completed)								
RN65	tba	-22.261013600	144.998018900	Barcaldine	High	20.7	3.5	542.4	100	81	Y	Y	Piping	2009/2010	\$ 210,000	\$ 210,000	\$ 180,000	\$ 100,000	N	\$774	Redrill & Plug under GABSI in 2008/2009.
													SUB TASKS Initial approach to landholder has been made and landholder has confirmed interest Design completed, contracts signed, materials ordered and delivered on-site (Project Midpoint) Installation is complete, bore drain decommissioned and water savings realised (Project Completed)								
RN1320	tba	-22.012635013	142.666448998	Barcaldine	High	10	6.67	105.0	N/A	N/A	N/A	N/A	Redrill & Plug	2009/2010	\$ 210,742	\$ 210,742	\$ 105,371	\$ -	N	\$4,014	
RN1652	tba	-22.893998100	144.579721400	Barcaldine	High	13.41	8.94	141.0	N/A	N/A	N/A	N/A	Redrill & Plug	2009/2010	\$ 116,376	\$ 116,376	\$ 58,188	\$ -	N	\$1,651	
RN1921	tba	-23.023455723	144.806988205	Barcaldine	High	2.95	1.97	30.9	N/A	N/A	N/A	N/A	Redrill & Plug	2009/2010	\$ 90,615	\$ 90,615	\$ 45,308	\$ -	N	\$5,864	
RN3033	tba	-24.357261800	144.622831400	Barcaldine	High	10.14	6.76	106.6	N/A	N/A	N/A	N/A	Redrill & Plug	2009/2010	\$ 227,273	\$ 227,273	\$ 113,636	\$ -	N	\$4,264	
RN4162	tba	-23.968178481	144.603665013	Barcaldine	High	1.33	0.89	13.9	N/A	N/A	N/A	N/A	Redrill & Plug	2009/2010	\$ 141,800	\$ 141,800	\$ 70,900	\$ -	N	\$20,438	
RN4302	tba	-23.102621707	144.907542942	Barcaldine	High	1.5	1	15.8	N/A	N/A	N/A	N/A	Redrill & Plug	2009/2010	\$ 111,636	\$ 111,636	\$ 55,818	\$ -	N	\$14,160	
RN4435	tba	-24.938166000	146.382815284	Barcaldine	High	0.32	0.21	3.5	N/A	N/A	N/A	N/A	Redrill & Plug	2009/2010	\$ 94,545	\$ 94,545	\$ 47,273	\$ -	N	\$54,509	This is a high pressure bore despite its low flow, and because it is in an area of significant local pressure decline it was deemed worth pursuing. Given the bore's depth and the difficult strata the bore is located within it was unlikely the bore would be completed without access to the GABSI subsidy.
RN4895	tba	-23.938609400	144.269258600	Barcaldine	High	1.47	0.98	15.5	N/A	N/A	N/A	N/A	Redrill & Plug	2009/2010	\$ 178,182	\$ 178,182	\$ 89,091	\$ -	N	\$23,062	
RN4239	tba	-21.785792600	144.276679200	Barcaldine	High	1.25	0.83	13.2	N/A	N/A	N/A	N/A	Redrill & Plug	2009/2010	\$ 148,000	\$ 148,000	\$ 74,000	\$ -	N	\$22,348	
RN1671	tba	-23.320000000	141.422500000	Central	High	19.8	13.2	208.1	N/A	N/A	N/A	N/A	Redrill & Plug	2009/2010	\$ 117,091	\$ 117,091	\$ 58,545	\$ -	N	\$1,125	
RN3666	tba	-20.877360648	142.770327885	Flinders	High	19.1	2.2	533.0	40	50	Y	Y	Piping	2009/2010	\$ 105,000	\$ 105,000	\$ 90,000	\$ 50,000	N	\$394	Redrill & Plug under GABSI in 2008/2009.
													SUB TASKS Initial approach to landholder has been made and landholder has confirmed interest Design completed, contracts signed, materials ordered and delivered on-site (Project Midpoint) Installation is complete, bore drain decommissioned and water savings realised (Project Completed)								

Project RN No.	Landholder name	Latitude	Longitude	Zone	Priority	Discharge Prior (l/s)	Design Flow (l/s)	Estimated Water Saved (ML/annum)	Estimated Drain Shutdown (km's)	Estimated Piping Installed (km's)	Will bore piping extend outside the geographic boundaries of the current watered area (Y/N)	If so, have measures been implemented to protect water remote areas (Y/N/NA)	Activity	Estimated Financial Year for Completion	Planned GABSI funding STATE	Planned GABSI funding CMWLTH	Planned GABSI funding L/HOLDER	Planned in-kind contribution from L/HOLDER	Critical Infrastructure Failure (Y/N)	Estimated \$ of Government funding per ML/annum saved	Comments
RN4221	tba	-20.689860329	142.901714582	Flinders	High	17.5	1.6	501.4	30	31	Y	Y	Piping	2009/2010	\$ 56,000	\$ 56,000	\$ 48,000	\$ 26,667	N	\$223	Redrill & Plug under GABSI in 2002/2003.
													SUB TASKS Initial approach to landholder has been made and landholder has confirmed interest Design completed, contracts signed, materials ordered and delivered on-site (Project Midpoint) Installation is complete, bore drain decommissioned and water savings realised (Project Completed)								
RN15530	tba	-20.971524116	143.259214038	Flinders	High	2.97	1.98	31.2	N/A	N/A	N/A	N/A	Redrill & Plug	2009/2010	\$ 242,909	\$ 242,909	\$ 121,455	\$ -	N	\$15,561	
RN301	tba	-20.659188200	141.747110000	Flinders	High	7.57	5.05	79.5	N/A	N/A	N/A	N/A	Redrill & Plug	2009/2010	\$ 62,216	\$ 62,216	\$ 31,108	\$ -	N	\$1,566	
RN3604	tba	-21.039070500	143.471787400	Flinders	High	2.5	1.67	26.2	N/A	N/A	N/A	N/A	Redrill & Plug	2009/2010	\$ 190,988	\$ 190,988	\$ 95,494	\$ -	N	\$14,593	
RN92	tba	-21.077637040	142.823662331	Flinders	High	10.64	7.09	112.0	N/A	N/A	N/A	N/A	Redrill & Plug	2009/2010	\$ 221,818	\$ 221,818	\$ 110,909	\$ -	N	\$3,963	
RN1083	tba	-21.504302900	142.682833000	Flinders	High	16.24	10.83	170.6	N/A	N/A	N/A	N/A	Redrill & Plug	2009/2010	\$ 161,000	\$ 161,000	\$ 80,500	\$ -	N	\$1,887	
RN1739	tba	-19.598476700	142.338379500	Flinders	High	23.22	15.48	244.1	N/A	N/A	N/A	N/A	Redrill & Plug	2009/2011	\$ 144,000	\$ 144,000	\$ 72,000	\$ -	N	\$1,180	
RN4347	tba	-19.819031300	142.414769000	Flinders	High	1.05	0.7	11.0	N/A	N/A	N/A	N/A	Redrill & Plug	2009/2012	\$ 118,000	\$ 118,000	\$ 59,000	\$ -	N	\$21,381	
RN69346	tba	-19.394033000	142.252546200	Flinders	High	35.55	23.7	373.7	N/A	N/A	N/A	N/A	Redrill & Plug	2009/2013	\$ 95,000	\$ 95,000	\$ 47,500	\$ -	N	\$508	
RN1958	tba	-27.643740710	148.356542611	Surat	High	4.44	2.8	51.7	25	50	Y	Y	Piping	2009/2010	\$ 94,875	\$ 94,875	\$ 63,250	\$ 63,250	N	\$3,669	
													SUB TASKS Initial approach to landholder has been made and landholder has confirmed interest Design completed, contracts signed, materials ordered and delivered on-site (Project Midpoint) Installation is complete, bore drain decommissioned and water savings realised (Project Completed)								
RN22 (Phase 2)	tba	-27.906851185	147.283939176	Surat	High	N/A	N/A	N/A	N/A	38	Y	Y	Piping	2009/2010	\$ 112,500	\$ -	\$ 37,500	\$ 37,500	N		Already claimed under Phase 1 of piping, completed under GABSI in 2007/2008.
RN4044	tba	-28.802311800	148.959502900	Surat	High	17.75	7	339.0	90	135	Y	Y	Piping	2009/2010	\$ 318,750	\$ 318,750	\$ 212,500	\$ 212,500	N	\$1,880	
													SUB TASKS Initial approach to landholder has been made and landholder has confirmed interest Design completed, contracts signed, materials ordered and delivered on-site (Project Midpoint) Installation is complete, bore drain decommissioned and water savings realised (Project Completed)								
RN4532	tba	-28.725385284	146.627041975	Surat	High	9.72	1.5	259.2	50	71	Y	Y	Piping	2009/2010	\$ 131,250	\$ 131,250	\$ 87,500	\$ 87,500	N	\$1,013	Redrill & Plug under GABSI in 2008/2009.
													SUB TASKS Initial approach to landholder has been made and landholder has confirmed interest Design completed, contracts signed, materials ordered and delivered on-site (Project Midpoint) Installation is complete, bore drain decommissioned and water savings realised (Project Completed)								
RN4998	tba	-28.719733500	146.776581400	Surat	High	5.23	1.5	117.6	50	71	Y	Y	Piping	2009/2010	\$ 131,250	\$ 131,250	\$ 87,500	\$ 87,500	N	\$2,232	Reline under GABRP in 1992/1993.
													SUB TASKS Initial approach to landholder has been made and landholder has confirmed interest Design completed, contracts signed, materials ordered and delivered on-site (Project Midpoint) Installation is complete, bore drain decommissioned and water savings realised (Project Completed)								
RN4028	tba	-28.542038600	149.333318600	Surat	High	24.1	16.07	253.2	N/A	N/A	N/A	N/A	Redrill & Plug	2009/2010	\$ 145,455	\$ 145,455	\$ 72,727	\$ -	N	\$1,149	
RN40	tba	-27.633140300	147.890500100	Surat	High	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Critical Infrastructure Failure (Redrill & Plug)	2009/2011	\$ 185,682	\$ 185,682	\$ 65,000	\$ -	Y		Water savings already claimed under GABSI in 2008/2009. New bore is producing unreasonable quantities of sand which is jeopardising the piping system. A new bore is required in order to fix the problem.
RN305	tba	-25.906789935	144.596457537	Warrego	High	22.33	2	641.1	10	49	Y	Y	Piping	2009/2010	\$ 35,250	\$ 35,250	\$ 23,500	\$ 23,500	N	\$110	Redrill & Plug under GABSI in 2006/2007.
													SUB TASKS Initial approach to landholder has been made and landholder has confirmed interest Design completed, contracts signed, materials ordered and delivered on-site (Project Midpoint) Installation is complete, bore drain decommissioned and water savings realised (Project Completed)								
RN4518	tba	-28.671007000	146.552810400	Warrego	High	2.65	1.77	27.8	N/A	N/A	N/A	N/A	Redrill & Plug	2009/2010	\$ 92,727	\$ 92,727	\$ 46,364	\$ -	N	\$6,683	
TOTALS								5861.3							\$4,678,181	\$4,453,181	\$2,622,937	\$856,750			

Table 1b – Springs - Proposed infrastructure Projects

There are no Projects involving springs proposed for 2009/2010. Projects involving springs will be incorporated into subsequent years of the Program.

Table 1c -Proposed other Projects

Project	Zone	Performance Target(s)	Proposed GABSI funding State \$	Proposed GABSI funding C'wealth \$	Estimated Financial Year for Completion
Management, Monitoring and Reporting in regards to the 2009-2010 GABSI program.	N/A	Ongoing, managed delivery of the proposed Projects listed in table 1a. Certification, by 22 May 2010, of achievements against Projects and Project subtasks listed in Tables 1a and 1c .	\$250,000	\$250,000	2009/2010
		<p>SUB TASKS</p> <p>Strategic oversight of the GABSI Program in Queensland</p> <p>Manage the selection process and advice to applicants</p> <p>Monitor, review and report of progress towards GABSI objectives</p> <p>Co-ordinate the activities of officers of the Department of Environment and Resource Management who have direct involvement in GABSI</p> <p>Ensure consistency of Project delivery with funding agreements and the objectives of the GAB Strategic Management Plan</p> <p>Conduct workshops and advertising for participants in GABSI as required and manage all GABSI related enquiries</p> <p>Provide an interface with other initiatives, government departments, and other entities including regional NRM bodies, as required</p> <p>Maintain design and quality assurance guidelines and procedures</p> <p>Provide certification to the Commonwealth, by 22 May 2010, of achievements against Projects and Project subtasks listed in Tables 1a and 1c of the 2009-2010 Queensland Implementation Plan (delivery of this certification report completes the Projects listed in Table 1c)</p> <p>Provide an annual Performance Report to the Commonwealth on the delivery of GABSI 3 in 2009-2010 by 30 September 2010 (this Report will form part of the 2010-2011 Implementation Plan but reference to it is included in the 2009-2010 Implementation Plan in order to demonstrate the intention to finalise all reporting requirements relating to 2009-2010)</p>			

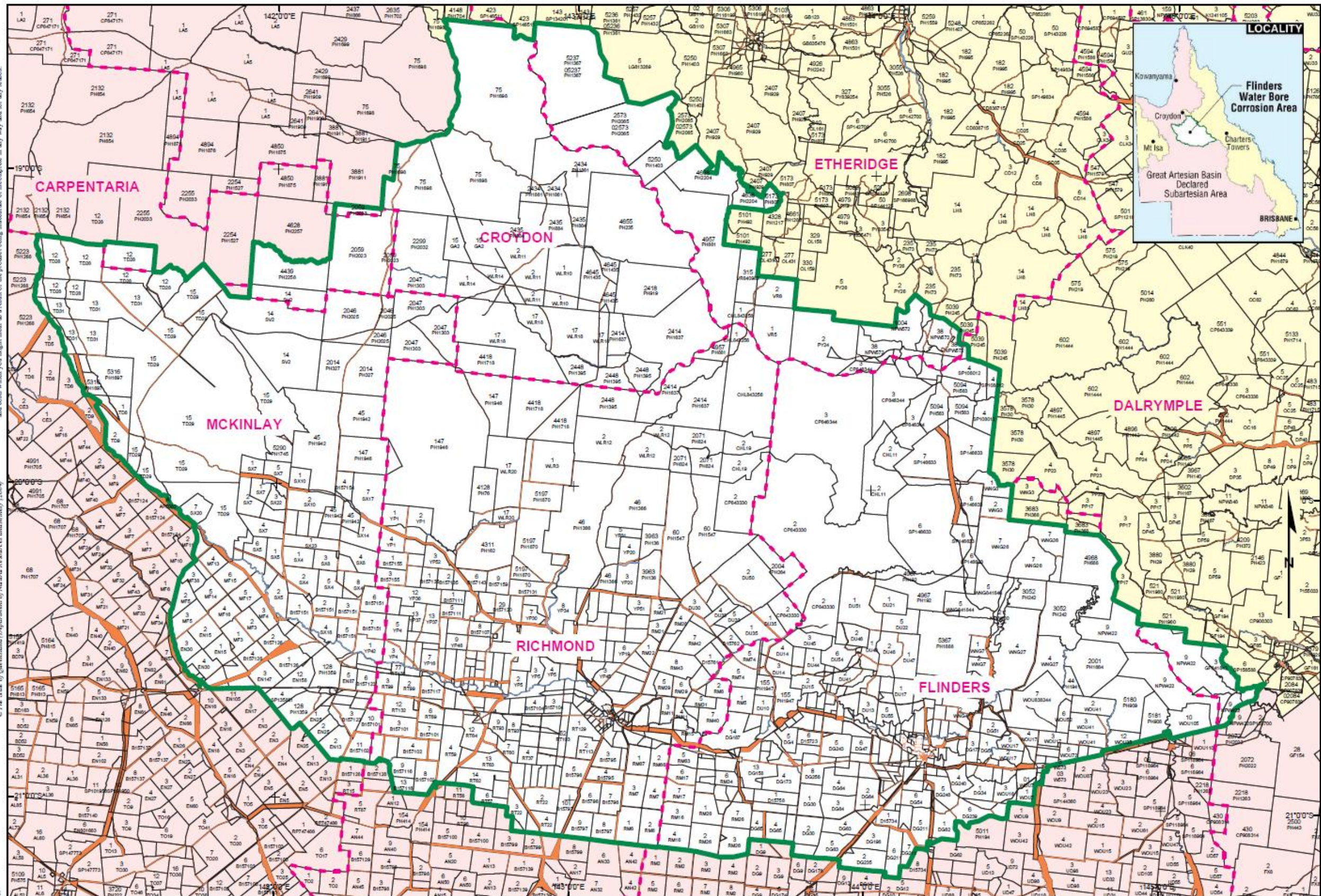
Table 1d -Additional Information

Estimation of Water Savings
<p>Bore Rehabilitation - For all 2009/2010 bore rehabilitation works, water savings have been estimated at 30% of the free flow of the bore prior to rehabilitation. This saving has traditionally been achieved by the landholder reducing the discharge from the bore in the cooler, winter months as, due to the reduced evaporation, a lesser flow of water is required to run the same length of bore drain. Prior to rehabilitation the bore could not be controlled and the flow could not be reduced as required. This is consistent with the methodology used to estimate water savings as a result of bore rehabilitation in Phase 1 and 2 of GABSI. The methodology has been used in 2009/2010 as construction works continued in good faith until the National Partnership Agreement and Implementation Plan could be finalised.</p> <p>For the subsequent years of GABSI 3, in order to secure the estimated 30% water savings, as a requirement of participation landholders will select one of the following two options, , and this selection will be reflected in the works contracts between the Department of Environment and Resource Management (DERM) and the participating landholders:</p> <ul style="list-style-type: none"> • OPTION 1 - A correctly sized orifice plate will be installed in the bore upon completion of the rehabilitation works to ensure that the free flow of the bore cannot exceed 70% of the original flow. The size of the orifice plate will be calculated and specified by qualified engineers based on the bore's head-discharge characteristic and the desired flow. The theory and practical use of orifice plates to regulate flow is universally accepted and is well documented in engineering texts. Orifice plates are also used extensively in re-measurement work on GAB bores in Australia and, as such, there is significant precedent for their suitability and use for regulating flow. • OPTION 2 - The landholder agrees to a flow regime that ensures the annual discharge from the bore does not exceed 70% of the original flow. This regime will most likely consist of individual, specified maximum discharge rates for summer, autumn, winter and spring although it will be tailored to individual circumstances, as required, as long as the annual flow does not exceed 70% of the original. The landholder will be required to reduce the discharge of the bore at various times of the year in accordance with the specified regime. In order to ensure compliance, monitoring equipment (generally a suitable pressure transducer or flow meter that meets Australian Standards and has been selected by qualified engineers) and a data logger will be installed in the bore upon completion of the rehabilitation. DERM staff will check the stored data within 6 months of installation and annually thereafter until the end of the Program or until the bore drain is replaced with piping (whichever comes first), and compare this data with the specified flow regime to ensure compliance. The costs of this compliance monitoring will be incorporated into implementation plans for subsequent years of GABSI 3. <p>Bore Drain Replacement (Piping) - For all bore drain replacement works the water savings are estimated using computer modelling of the pipeline design and stock water demands. The modelled, maximum daily demand of the designed pipeline system is subtracted from the original daily flow of the bore prior to piping and the resultant figure is multiplied by 365 to estimate the annual water savings. As the model is based on a peak demand scenario (ie with maximum stock numbers and maximum peak daily demand) the estimate is often conservative.</p> <p>In order to ensure the integrity of the estimated water savings in cases where the bore has been previously rehabilitated, the estimated water savings from bore drain replacement are reduced by the amount of water savings already attributed to the bore rehabilitation.</p>
Process for Determining Voluntary interest
<p>A letter and application package were sent in December 2009 to all landholders with an eligible bore and/or licensed bore drains explaining the benefits of the program, the available subsidy and asking them to register their interest in the program. These responses will be collated and phone contact made with non-responding landholders to determine the likely level of voluntary interest in GABSI stage 3. Once the level of voluntary interest can be more accurately estimated, DERM will develop plans as required to assist in achieving the level of participation necessary to fully expend available funding for GABSI stage 3.</p>
Selection Criteria Used to Determine Successful Applicants
<p>Eligibility - Bores eligible for rehabilitation in the GABSI are those uncontrolled bores that were constructed prior to the introduction of state legislation regarding the construction and control of artesian bores in 1954. Bores that: (i) were constructed post 1954; (ii) are located in the "Flinders Water Bore Corrosion Area" as defined by drawing A3-507421 (Appendix A); (iii) are legally constructed of steel bore casing; and (iv) have become uncontrolled due to corrosive water are also eligible for rehabilitation. Any bore that discharges into an existing bore drain and is licensed to do so is eligible for piping.</p>

<p>Selection Criteria and Ranking of Applicants - At this stage, the level of voluntary participation from eligible landholders does not exceed the available funding. As such, eligible bores and bore drains are being ranked on a first come, first served basis. This process will be reviewed if voluntary participation increases.</p>
<p>Funding Formulae Proposed</p>
<p>Bore Rehabilitation - The maximum government contribution for eligible bore rehabilitation activities will be 40% Commonwealth and 40% State with 20% of the Project's total cost to be met by the involved landholders as a cash contribution.</p>
<p>Bore Drain Replacement (Piping) - The maximum government contribution for eligible bore drain replacement activities will be 30% Commonwealth and 30% State, with 40% of the Project's total cost to be met by the involved landholders as a combination of cash and in-kind contributions. The available subsidy may only be used to replace the existing function of the bore drain and cannot be used to extend the pipeline system outside the watered area. For an existing bore drain, the 'watered area' is the area within the paddock that contains the bore drain that falls within 2 km either side of that bore drain.</p>
<p>If, due to the available funding for a financial year being fully committed, an eligible bore rehabilitation or bore drain replacement Project cannot commence upon signing a contract with DERM then provision will be made to ensure the landholder's contribution to the proposed works will be capped at the amount agreed to in the contract.</p>
<p>Standards and Quality Assurance</p>
<p>Bore Rehabilitation -</p> <ul style="list-style-type: none"> • All design, construction and rehabilitation of bores carried out under GABSI are in accordance with the <i>Minimum Construction Requirements for Water Bores in Australia</i>, Edition 2, Sept 2003 and <i>Minimum Standards for the Construction and Reconditioning of Water Bores that Intersect the Sediments of Artesian Basins in Queensland</i>, NR&M, 2004. These documents set down Australian Standards, and additional Queensland standards for bore rehabilitation and construction. • All works are audited during critical phases of construction, particularly grouting operations • All bore design, construction and rehabilitation is conducted by experienced drilling supervisors, qualified engineers and drilling contractors appropriately licensed under the national drillers licensing system. • The development permit for the construction of the works specifies the standards required for the bores construction
<p>Bore Drain Replacement (Piping) -</p> <ul style="list-style-type: none"> • Pipeline schemes are designed in accordance with <i>Guidelines for Investigation and Design of Bore Drain Replacement Schemes</i>, Department of Primary Industries Water Resources, October 1994 (modified 1997 and 2004) and <i>Construction Guidelines for Bore Drain Replacement Schemes in the Great Artesian Basin Sustainability Initiative</i>, DERM, November 2009. • All pipeline design is completed by qualified engineers. • All materials used in the construction of piped reticulation systems are manufactured to the relevant Australian and Industry Standards and are in accordance with the specification contained in <i>Construction Guidelines for Bore Drain Replacement Schemes in the Great Artesian Basin Sustainability Initiative</i>, DERM, November 2009. • All pipeline designs are certified by a Registered Professional Engineer of Queensland prior to being supplied to landholders. • Pipeline installation and construction is fully supervised during critical stages. Construction is in accordance with the document <i>Construction Guidelines for Bore Drain Replacement Schemes in the Great Artesian Basin Sustainability Initiative</i>, DERM, November 2009 and the Australian Standard AS2033-1980 <i>Installation of Polyethylene pipe systems</i>. • Quality assurance standards and specifications form part of the contracts signed between DERM and the landholder/s.
<p>Pre Design Assessments are completed prior to the design or commencement of any construction works. These assessments identify potential issues, assets and resources relating to wetlands, cultural heritage, biodiversity, water remote areas, remnant vegetation, high value regrowth, watercourse protection buffers, essential habitat, soil erosion and stock routes. Relevant staff are trained in cultural awareness and environmental management.</p>

Appendix A – Flinders Water Bore Corrosion Area – A3 507421

Disclaimer: While every care is taken to ensure the accuracy of this product, the Department of Natural Resources and Mines makes no representation as to the accuracy of any information contained in this product, and is not liable for any loss or damage, including without limitation, liability in negligence for all consequences (including indirect or consequential damage) and costs which you might incur as a result of the product being inaccurate in any way and for any reason.
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LEGEND

- Flinders Water Bore Corrosion Area
- DCDB Lot Boundary
- DCDB Road Parcel
- DCDB Water Parcel
- CROFTON Local Govt Name and Boundary

Notes:
 Datum - GDA04
 Projection - MGA Zone 54



Flinders Water Bore Corrosion Area

A3-507421
 10 Dec 2004

Performance Report for 2009-2010

NATIONAL PARTNERSHIP AGREEMENT
ON THE GREAT ARTESIAN BASIN SUSTAINABILITY INITIATIVE

1. The State will prepare the Performance Report in a form similar to that outlined at Table 2a, 2b and 2c below.
2. The Performance Report will be used by the Commonwealth to assess Project performance under this Implementation Plan and to inform itself in relation to its assessment of subsequent Implementation Plans.

Table 2a - GAB – Performance Report - Infrastructure Projects (excluding springs)

Project 1	Land holder name	Lat.	Long.	Zone	Priority	Dis- charge prior	Design Flow	Actual Water Saved (ML/ann)	Actual Drain shutd own (klms)	Actual Piping Installed (klms)	Activity 1	Estimated Financial Year for Completion	Actual GABSI funding State \$	Actual GABSI funding C'wealth \$	Actual GABSI funding landholders \$	Actual in- kind contribution from landholders \$	Actual ML/annum of water saved per \$ of government funding	Are Activities on schedule 3	
											1								
											2								
											3								
											4								
											5								
											6								
											7								
											Total								

Project 2	Land holder name	Lat.	Long.	Zone	Priority	Dis-charge prior	Design Flow	Actual Water Saved (ML/a)	Actual Drain shutd own (km)	Actual Piping Installed (km)	Activity 1	Estimated Financial Year for Completion	Actual GABSI funding State \$	Actual GABSI funding C'wealth \$	Actual GABSI funding landholders \$	Actual in-kind contribution from landholders \$	Actual ML/annum of water saved per \$ of government funding	Are Activities on schedule 3												
											1																			
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											3																			
											4																			
											5																			
											6																			
											7																			
											Total																			

Legend

¹ Itemise for each specific activity for each Project

- 1. Design
- 2. Cap only
- 3. Bore Rehabilitation[#]
- 4. Redrill & plug
- 5. Plug only
- 6. Pipe^{##}
- 7. Other (please specify)

[#] Bore Rehabilitation means recondition or repair of existing bore.

^{##} Pipe means water delivery infrastructure such as piping, relief valves, tanks and troughs

³ Itemise for each specific Project

- I. Yes, completed (YC)
- II. Yes, on track (YT)
- III. No (please specify)

Table 2b – GAB – Performance Report - Springs

Project 1	Land holder name	Lat.	Long.	Zone	Priority	Dis- charge prior	Design Flow	Actual Water Saved (ML/a)	Actual Drain shutd own (km)	Actual Piping Installed (km)	Activity 1	Estimated Financial Year for Completion	Actual GABSI funding State \$	Actual GABSI funding C'wealth \$	Actual GABSI funding landholders \$	Actual in-kind contribution from landholders \$	Actual ML/annum of water saved per \$ of government funding	Are Activities on schedule ³
[Redacted]											1							
											2							
											3							
											4							
											5							
											6							
											7							
[Redacted]											Total							

Project 2	Land holder name	Lat.	Long.	Zone	Priority	Dis- charge prior	Design Flow	Actual Water Saved (ML/a)	Actual Drain shutd own (km)	Actual Piping Installed (km)	Activity 1	Estimated Financial Year for Completion	Actual GABSI funding State \$	Actual GABSI funding C'wealth \$	Actual GABSI funding landholders \$	Actual in-kind contribution from landholders \$	Actual ML/annum of water saved per \$ of government funding	Are Activities on schedule 3	
											1								
											2								
											3								
											4								
											5								
											6								
											7								
											Total								

Legend

¹ Itemise for each specific activity for each Project

- 1. Design
- 2. Cap only
- 3. Bore Rehabilitation[#]
- 4. Redrill & plug
- 5. Plug only
- 6. Pipe^{##}
- 7. Other (please specify)

[#] Bore Rehabilitation means recondition or repair of existing bore

^{##} Pipe means water delivery infrastructure such as piping, relief valves, tanks and troughs

³ Itemise for each specific project

- I. Yes, completed (YC)
- II. Yes, on track (YT)
- III. No (please specify)

Table 2c -Proposed other Projects

Project ²	Zone	Performance Target(s)	Actual GABSI funding State \$	Actual GABSI funding C'wealth \$	Estimated and/or Actual Financial Year for Completion
TOTAL					

Legend

² Itemise for each specific Project

- A. Education and Extension
- B. Basin Monitoring Network (may wish to delete this clause if not applicable)
- C. Involvement of community in resourcing, development and implementation of Projects
- D. Best practice infrastructure maintenance
- E. GABSI Program Mgt, Monitoring and Reporting
- F. Other (please specify)

ADDITIONAL REQUIRED INFORMATION

Volume and location of unallocated GAB Water allocated during last financial year