

New South Wales

PROJECT AGREEMENT FOR THE INTERIM GREAT ARTESIAN BASIN INFRASTRUCTURE INVESTMENT PROGRAM

PART 1: PRELIMINARIES

1. This bilateral schedule to the Project Agreement for the Interim Great Artesian Basin Infrastructure Investment Program should be read in conjunction with that Agreement. This Schedule has been developed in accordance with clause 11(a) of the Agreement to set out a list of projects and project milestones to be completed by 30 April 2018 and 30 April 2019 respectively.

PART 2: FORMALITIES

2. The Parties to this Schedule are the Commonwealth of Australia (the Commonwealth), represented by the Minister responsible for water resources, and the State of New South Wales (NSW), represented by the Minister responsible for water.
3. This Schedule will commence as soon as it is agreed by the Commonwealth and NSW, including agreement of the Project List set out in Table 3 and Table 4 of this Schedule, and expire on 30 June 2019 or on completion of all agreed milestones whichever is earlier, including final performance reporting and processing of final payments against milestones.

PART 3: FINANCIAL ARRANGEMENTS

4. Having completed an assessment of the proposed projects in accordance with the Assessment Guidelines and Project Eligibility Criteria contained in Schedule A of the Agreement, the Commonwealth will provide a maximum financial contribution of \$2 254 563 to the State for projects listed at Table 3 and Table 4. All payments are exclusive of GST.
5. The agreed financial contribution to be provided by the Commonwealth, NSW and individual landholders are outlined in Table 1.

Table 1. Estimated financial contributions

Estimated total budget	2017-18	2018-19	Total
	(\$ million)	(\$ million)	(\$ million)
State contribution	0.701	1.554	2.255
Third party contributions	0.042	0.086	0.128
Commonwealth contribution	0.701	1.554	2.255

PART 4: PROJECT MILESTONES, REPORTING AND PAYMENTS

6. Table 2 summarises the milestones for the project, their relationship to the outputs, expected completion dates, relevant reporting dates and expected payments to be made. The Commonwealth will make payments subject to the State demonstrating that the relevant milestone has been achieved.

Table 2: Milestones, reporting and payment summary

Outputs	Milestones	Due date	Payment (\$ million)
Bore replacement and restoration of critical infrastructure assets	1) Completion of projects in Table 3 of this Schedule, demonstrated by the annual completion report (clauses 14 and 15 of the Agreement)	30 April 2018	0.701
Bore replacement and restoration of critical infrastructure assets	2) Completion of projects in Table 4 of this Schedule, demonstrated by the annual completion report (clauses 14, 15 and 16 of the Agreement)	30 April 2019	1.554

7. If a milestone is met in advance of the due date, where the State demonstrates that the milestone has been met, the Commonwealth may make the associated payment earlier than scheduled provided it falls within the same financial year as the original milestone date.
8. The State will provide the annual completion report in accordance with Table 2 during the operation of the Agreement. Each performance report is to contain a description of actual performance in the period to date against the project milestones.
9. In accordance with Clause 14 of the Agreement, the annual completion report must be provided by 30 April each year in the form of any relevant template(s) provided by the Commonwealth.

PART 5: SIGN OFF

10. The Parties have confirmed their commitment to this agreement as follows:

Signature

Date

The Hon Niall Blair MLC Minister for Regional Water

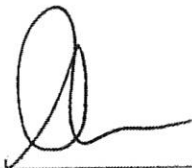
Signature

Date

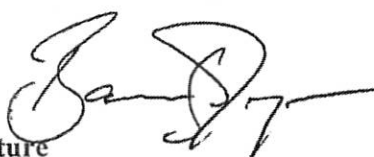
The Hon Barnaby Joyce MP Minister for Agriculture and Water Resources

PART 5: SIGN OFF

10. The Parties have confirmed their commitment to this agreement as follows:

Signature  Date 1.2.18

The Hon Niall Blair MLC Minister for Regional Water

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Signature  Date 19-12-17

The Hon Barnaby Joyce MP Minister for Agriculture and Water Resources

Table 3 - Proposed project list of 2017-18 projects

Projects rated against the criteria set out under Clauses A8, A9, A10 and A11 and prioritised for implementation.

Locations of proposed projects are identified at Map 1.

List Number	Project		Project location		Great Artesian Basin Groundwater Management Zone	No. significant GAB Springs Impacted > 1m pressure	Name of and proximity to (km) high value Basin dependent spring/s		Type of activity A8(a) to (c)	Activity description	Meter or bore pressure device (Y/N)	Estimated piping - (km)	Estimated drain shut-down (km)	Discharge prior (L/s)	Discharge after (L/s)	Proposed water saving (ML/year)		Proposed water saving in relation to state Water Sharing Plan (ML/year)			Completion date	Total estimated cost (\$)	Proposed GABSI funding contribution (\$)			\$ of Govt funding per ML/ year saved	Risk (low, medium, high)
	ID	Name	Lat, long (dd mm ss.ss) and shown on attached map				Name	Proximity (km)								Relating to control valve - as a result of changed management practices of the infrastructure	Relating to piping - resulting from reduced system losses or fixing bore drain infrastructure	Maximum water savings potentially available to be reallocated to consumptive purposes from the groundwater management zone	Water savings not to be reallocated to consumptive purposes from the groundwater management zone	Water Sharing Plan estimated extraction limit for the groundwater management zone prior to water savings*			By state	By 3 rd party	By Cwith		
	17.1	Burren Junction No.1	30°07'27.36	149°04'34.13			Surat	0								-	-	b	remediation of failed bore plugging - technical failure	N			0	2.5	3.0		
17.2	Sulphur Lake	30°28'5.56	141°26'52.56	Central	0	-	-	a	replace old bore, install efficient controlled water system	Y	0.2	0.5	8.9	0.2	0	275.5	82.6	192.8	9,280	30-Apr-18	628,464	298,472	31,520	298,472	2,167	low	
17.3	IGABIP Program Delivery	-	-	-	-	-	-	c	Project Management costs - essential to the delivery of IGABIP for NSW: -Project coordination, stakeholder engagement, technical investigation, planning and design of projects. -Procurement, contractor management, compliance, quality assurance, works auditing -Coordination and management of IGABIP Program delivery within NSW Government. Project assessment and priority ranking, stakeholder consultation, negotiation and communication, etc. -Coordination with State and Commonwealth Ministerial advisory bodies.											30-Apr-18	445,000	222,500	-	222,500	-	low	

Table 4 - Proposed project list of 2018-19 projects

Projects rated against the criteria set out under Clauses A8, A9, A10 and A11 and prioritised for implementation.

Locations of proposed projects are identified at Map 2.

List Number	Project	Project	Project location		Great Artesian Basin Groundwater Management Zone	No. significant GAB Springs Impacted > 1m pressure	Name of and proximity to (km) high value Basin dependent spring/s		Type of activity	Activity description	Meter or bore pressure device	Estimated piping - (km)	Estimated drain shut-down (km)	Discharge prior (L/s)	Discharge after (L/s)	Proposed water saving		Proposed water saving in relation to state Water Sharing Plan (ML/year)			Completion date	Total estimated cost (\$)	Proposed GABS funding contribution (\$)			\$ of Govt funding per ML/ year saved	Risk
	ID	Name	Lat, long (dd mm ss.ss)				A8(a) to (c)	(Y/N)	Name		Proximity (km)					(ML/year)		Maximum water savings potentially available to be reallocated to consumptive purposes from the groundwater management zone	Water savings not to be reallocated to consumptive purposes from the groundwater management zone	Water Sharing Plan estimated extraction limit for the groundwater management zone prior to water savings*			By state	By 3 rd party	By Cwith		(low, medium, high)
																Relating to control valve - as a result of changed management practices of the infrastructure	Relating to piping - resulting from reduced system losses or fixing bore drain infrastructure										
18.1	Noorooma	29° 15' 21.41"	146° 38' 10.26"	Warrego	30	Tooloomi	8	a	replace old bore, install efficient controlled water system	Y	24	14	33.9	0.5	0	1053.2	316.0	737.2	14,140	30-Apr-19	1217,692	599,812	18,068	599,812	1,139	low	
18.2	Helen	29° 09' 46.46"	144° 56' 04.35"	Warrego	16	Jacome	219	a	replace old bore, install efficient controlled water system	Y	4	15	7.0	0.2	0	214.3	64.3	150.0	14,140	30-Apr-19	509,582	245,491	18,600	245,491	2,291	low	
18.3	Mundiwa	29° 30' 18.42"	146° 26' 26.28"	Warrego	13	Boongunyarrah	9.8	a	replace old bore, install efficient controlled water system	Y	12	9	7.4	0.4	0	220.6	66.2	154.4	14,140	30-Apr-19	703,252	338,726	25,800	338,726	3,071	low	
18.4	Dunsandle	29° 10' 05.42"	146° 22' 49.27"	Warrego	30	Bunnavinyah	7.5	a	replace old bore, install efficient controlled water system	Y	12	5	23.3	0.4	0	723.3	217.0	506.3	14,140	30-Apr-19	762,974	369,562	23,850	369,562	1,022	low	

Process used by New South Wales to select Interim Great Artesian Basin Infrastructure Investment Program Projects:

The NSW process for establishing and prioritising Interim Great Artesian Basin Infrastructure Investment Program projects was to develop a priority list of bores and invite landholders to participate in the Program directly. Project planning, coordination, stakeholder engagement, technical investigation design and detailed assessment is then conducted with those landholders accepting this invitation.

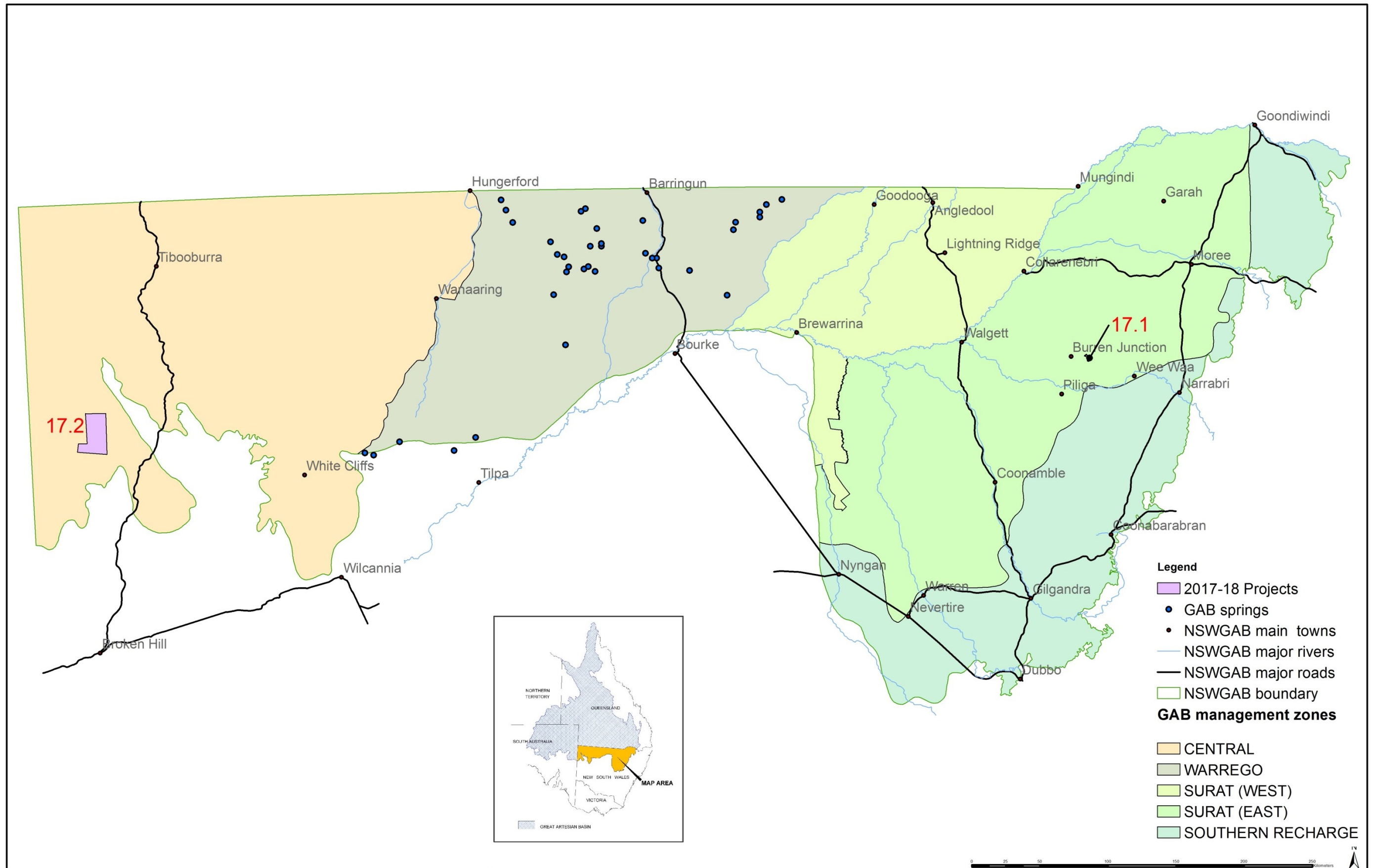
Given the small pool of priority bores and good existing data on all NSW bores, this approach is an efficient use of limited time and resources. It is transparent, fair and ensures that priority projects with landholder support are put forward for potential funding.

The NSW prioritisation process assumes NSW has comprehensive current records of all flowing bores in NSW (approximately 220 at present) that include sufficient data to assess each equally against funding criteria. The NSW Bilateral Schedule proposes projects focussing on rehabilitation of high priority artesian bores.

Projects have been prioritised based on the following criteria:

- Number of GAB springs impacted (having a modelled pressure impact > 1m) - derived from fundamental hydrogeological modelling calculations based on distance between bores and known GAB springs and source aquifer of bores (from depth etc.).
- Total estimated government grant per ML/yr of water saved - grant estimate for each project is based on detailed technical design and accurate quantity estimates and real prices from competitively contracts for similar recent projects. This estimate, along with estimated water savings, determines the initial ranking for all remaining flowing bores (after springs criteria).
- Critical infrastructure failure – only applies to Burren No.1 Project (ID 17.1) listed in the 2017-18 Table. This bore was plugged as part of GABSI 2 however this work has significantly failed and the bore has an uncontrolled discharge of approx. 3 L/s at the surface and possibly more below surface. It is located in an area of increasing pressure where all surrounding bores have been capped.

Map 1: NSW Interim Great Artesian Basin Infrastructure Investment Program 2017-18 Proposed Projects (as listed in Table 3)

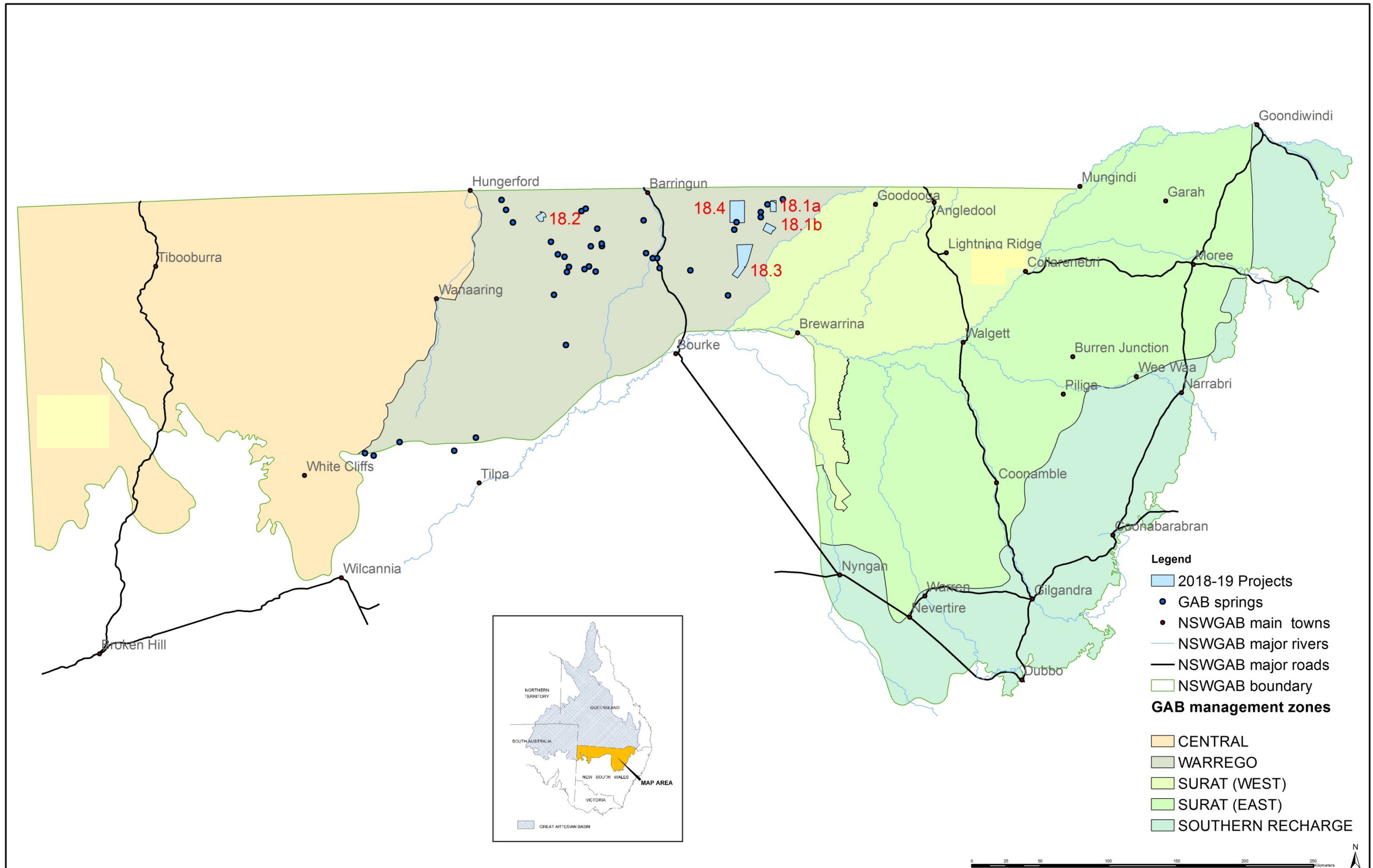



- Legend**
- 2017-18 Projects
 - GAB springs
 - NSWGAB main towns
 - NSWGAB major rivers
 - NSWGAB major roads
 - NSWGAB boundary
- GAB management zones**
- CENTRAL
 - WARREGO
 - SURAT (WEST)
 - SURAT (EAST)
 - SOUTHERN RECHARGE



 Department of Industry	Water Efficiency & Infrastructure Unit	Disclaimer: This map is not guaranteed to be free from errors or omission. The NSW GAB Water and its employees disclaim liability for any act done or omission made on information in this map and any consequences of such acts or omissions.	Filename: I:\GAB\GABS\GABS\4\Project Management\Project Plan Printed by and Date: Crown Lands & Water 20.10.2017 Coordinate system: GDA 1994, Datum: MGA Zone 55 Scale: 1:3,500,000	Interim Great Artesian Basin Infrastructure Investment Project 2018-2019 Bilateral Schedule 2
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Map 2: NSW Interim Great Artesian Basin Infrastructure Investment Program 2018-19 Proposed Projects (as listed in Table 4)



 <p>Department of Industry</p>	<p>Water Efficiency & Infrastructure Unit</p>	<p><small>Disclaimer: This map is not guaranteed to be free from errors or omission. The NSW DPI Water and its employees disclaim liability for any act done or omission made on information in the map and any consequences of such acts or omissions.</small></p>	<p>Filename: I:GABI\GABS\GABS\4\Project Management\Project Plan Printed by and Date: Crown Lands & Water 20.10.2017 Coordinate system: GDA 1994, Datum: MGA Zone 55 Scale: 1:3,500,000</p>	<p>Interim Great Artesian Basin Infrastructure Investment Project 2018-2019 Bilateral Schedule 2</p>
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