

Dumaresq-Barwon Border Rivers Commission



Annual Statistics 2021-22

*This report is a collation of statistical data provided by the
New South Wales's Department of Planning and Environment and WaterNSW;
and Queensland's Department of Regional Development, Manufacturing, and
Water and Sunwater Ltd.*

The information contained has not been verified by independent sources.

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Water Infrastructure

Table 1 - Key features of Border Rivers Commission works

Name	Stream	AMTD (km)	Nearest town/s	Description	FSL above bed (m)	Storage capacity (ML)	Date completed
DAMS							
Glenlyon Dam	Pike Creek	6.4	Stanthorpe Tenterfield Texas	Earth & rockfill	47.4	254,000	1976
WEIRS							
Boggabilla Weir	Macintyre River	283.5	Boggabilla Goondiwindi	Reinforced concrete and earthfill	8.5	5,850	1991
Boomi Weir	Macintyre River	147	Boomi	Steel sheetpiling	4.1	354	1960
Bonshaw Weir	Dumaresq River	126.7	Texas	Steel sheetpiling	2.9	617	1953/58
Coomonga Weir	Coomonga Creek		Toobeah	Steel sheetpiling			1986
Cunningham Weir	Dumaresq River	67.9	Texas	Timber piled (written-off)	4.6	543	1954
Glenarbon Weir	Dumaresq River	57	Yelarbon	Steel sheetpiling	2.7	353	1959
Goondiwindi Weir	Macintyre River	268.8	Goondiwindi	Timber crib (fishway added)	2.8	1,800	1942
Mungindi Weir	Barwon River	4.8	Mungindi	Steel sheetpiling	3.6	730	1936/65

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Name	Stream	AMTD (km)	Nearest town/s	Description	FSL above bed (m)	Storage capacity (ML)	Date completed
REGULATORS							
Boomi Regulator	Boomi River		Boomi	Reinforced concrete with hardwood dropboards			1960
Newinga Regulator	Barwon to Weir River flood channel		Talwood	Reinforced concrete with aluminium dropboards			1993
Regulator No 1	Balonne Minor	163.5	Dirranbandi	Steel sheetpiling with rock protection			1974
Regulator No 1	Culgoa River	162.6	Dirranbandi	Steel sheetpiling with rock protection			1974
Regulator No 2	Balonne Minor	128.9	Dirranbandi	Steel sheetpiling with rock protection			1974
Regulator No 2	Donnegri River	14.9	Dirranbandi	Steel sheetpiling with rock protection			1974
Regulator No 3	Ballandool River	91.4	Dirranbandi	Steel sheetpiling with rock protection			1974
Regulator No 3	Bokhara River	79.8	Dirranbandi	Steel sheetpiling with rock protection			1974
Regulator No 4	Birrie River	274.7	Goodooga	Steel sheetpiling with rock protection			1974
Regulator No 4	Bokhara River	276.2	Goodooga	Steel sheetpiling with rock protection			1974

Table 2 - Glenlyon Dam monthly storage volumes (megalitres)

End of month	2020-21	2021-22
July	35,700	181,039
August	38,472	186,600
September	38,280	186,460
October	38,004	190,286
November	37,304	262,462
December	36,890	255,580
January	36,706	253,784
February	34,982	254,321
March	122,784	264,848
April	136,100	253,963
May	136,560	254,500
June	141,666	254,142

(1) Storage volumes in this table are at 24:00 hrs on the last day of each month as recorded at GS 416315A.

Table 3 - Glenlyon Dam monthly releases/spillway flows (megalitres)

Month	Release 2020-21	Spillway flows 2020-21	Release 2021-22	Spillway flows 2021-22
July	0	0	0	0
August	0	0	0	0
September	0	0	0	0
October	0	0	0	0
November	0	0	0	34,007
December	0	0	0	174,078
January	0	0	0	2,518
February	2,818	0	0	18,565
March	0	0	0	12,111
April	0	0	0	30,004
May	0	0	0	5,725
June	0	0	0	16,038

- (1) The monthly releases in this table are the flow volumes as recorded at GS 416309B less any spillway flows
 (2) The monthly spillway flows are the flow volumes as recorded at GS416315A

Table 4 - Glenlyon Dam recreation statistics

Recreation Visitors 1 July 20 – 30 June 21	Campsites occupied 1 July 20 – 30 June 21	Recreation Visitors 1 July 21 – 30 June 22	Campsites occupied 1 July 21 – 30 June 22
41,021	6,823	45,261	5,471

Resource allocation, sharing and use

Table 5 – Supplemented / regulated¹ and Unsupplemented / supplementary² water entitlements and off-stream storages

Name	NSW Regulated ³ (megalitres)	QLD Supplemented ³ (megalitres)	NSW Supplementary (megalitres)	QLD Unsupplemented (megalitres)	NSW Off-stream Storages (megalitres)	QLD Off-stream Storages (megalitres)
Pike Creek and Dumaresq River from Glenlyon Dam to Bonshaw Weir	5,012	3,132	2,245	511		
Dumaresq River from Bonshaw Weir to Cunningham Weir (excluding Texas town)	5,287	5,676	2,463	626		
Texas Town		270				
Dumaresq River from Cunningham Weir to Macintyre River junction (excluding Yelarbon town)	436	2,254	516	3,846	400	6,300
Yelarbon Town		106				
Macintyre River from Dumaresq River junction to Goondiwindi Weir (excluding Goondiwindi & Boggabilla towns)	59,949	35,503	25,861	35,526	32,283	125,850
Boggabilla Town	200	N/A		N/A		
Goondiwindi Town		2,100		645		
Macintyre River from Goondiwindi Weir to Boomi Weir	130,715	9,985	58,470	15,940	87,356	25,210
Macintyre River and Barwon River from Boomi Weir to Mungindi Weir (excluding Mungindi town)	53,147	25,388	29,215	42,739	73,537	125,264
Mungindi Town	320	N/A		N/A		
Totals	255,066	84,414	118,770	99,833	193,576	282,624

- (1) Supplemented water in QLD is defined as water delivered primarily from infrastructure. This is equivalent to the NSW term Regulated water.
- (2) Unsupplemented water in QLD is defined as surface or ground water that is not reliant on infrastructure to store or distribute water. This is equivalent to the NSW term of Supplementary water.
- (3) The statistics for supplemented/regulated water entitlements in this table include all supplemented/regulated water entitlements including entitlements for irrigation, industrial, town water, high security, stock and domestic purposes but they do not include authorities/permits issued for the taking of stock and domestic water under rights granted to riparian landholders
- (4) NSW data does not include Pindari to Dumaresq River junction as this is not part of the BRC scope.

Table 6 - Water use from the Border Rivers 1 July 20– 30 June 21 (megalitres)

Name	NSW Regulated ¹	QLD Supplemented ¹	TOTAL Regulated / Supplemented	NSW Supplementary ²	QLD Unsupplemented ²	TOTAL Supplementary / Unsupplemented
Pike Creek and Dumaresq River from Glenlyon Dam to Bonshaw Weir	564	85	649	285	257	542
Dumaresq River from Bonshaw Weir to Cunningham Weir (excluding Texas town)	140	45	485	425	137	562
Texas Town	-	65	65	-		0
Dumaresq River from Cunningham Weir to Macintyre River junction (excluding Yelarbon town)	136	50	186	439	636	1,075
Yelarbon Town	-	25	25	-		0
Macintyre River from Dumaresq River junction to Goondiwindi Weir (excluding Goondiwindi & Boggabilla towns)	4,954	40	4,994	18,423	27,734	46,157
Boggabilla Town	103	-	103		-	0
Goondiwindi Town	-	1,850	1,850	-		0
Macintyre River from Goondiwindi Weir to Boomi Weir	5,877		5,877	38,967	24,631	63,598
Macintyre River and Barwon River from Boomi Weir to Mungindi Weir (excluding Mungindi town)	5,363		5,363	31,079	33,024	64,103
Mungindi Town	107		107			0
Totals	17,243	2,160	19,403	89,617	86,419	176,036

- (1) Supplemented water in QLD is defined as water delivered primarily from infrastructure. This is equivalent to the NSW term Regulated water.
- (2) Unsupplemented water in QLD is defined as surface or ground water that is not reliant on infrastructure to store or distribute water. This is equivalent to the NSW term of Supplementary water.
- (3) The above water use statistics only include water diverted from the Border Rivers under the authority of the Border Rivers water entitlements. Water transferred from a tributary (e.g. the Macintyre Brook) to the Border Rivers and then diverted from the Border Rivers is not included in these statistics. Water temporarily transferred from one State to the other is reported as being use in the State of origin not the State of destination. NSW data does not include Pindari to Dumaresq River junction as this is not part of the BRC scope
- (4) Water taken by both Qld and NSW irrigators under the water sharing rules permitting small enterprises upstream of Goondiwindi Weir to pump from small unregulated inflows for direct irrigation, is included in the states' supplementary/unregulated water use statistics
- (5) Figures are correct at the time of compilation

Table 7 - Water use from the Border Rivers 1 July 21 – 30 June 22 (megalitres)

Name	NSW Regulated ¹	QLD Supplemented ¹	TOTAL Regulated / Supplemented	NSW Supplementary ²	QLD Unsupplemented ²	TOTAL Supplementary / Unsupplemented
Pike Creek and Dumaresq River from Glenlyon Dam to Bonshaw Weir	372	250	622	831	498	1329
Dumaresq River from Bonshaw Weir to Cunningham Weir (excluding Texas town)	275	45	320	431	125	556
Texas Town	-	80	80			0
Dumaresq River from Cunningham Weir to Macintyre River junction (excluding Yelarbon town)	1,079	455	1534	91	1,555	1646
Yelarbon Town	-	30	30			0
Macintyre River from Dumaresq River junction to Goondiwindi Weir (excluding Goondiwindi & Boggabilla towns)	7,052	2,535	9587	17,925	21,304	39229
Boggabilla Town	94	-	94			0
Goondiwindi Town	-	1,260	1260			0
Macintyre River from Goondiwindi Weir to Boomi Weir	11,297	750	12047	19,668	13,548	33216
Macintyre River and Barwon River from Boomi Weir to Mungindi Weir (excluding Mungindi town)	16,764	955	17719	20,111	28,477	48588
Mungindi Town	99	-	99			0
Totals	37,032	6,360	43,392	59,057	65,507	124,564

- (1) Supplemented water in QLD is defined as water delivered from infrastructure. This is equivalent to the NSW term Regulated water.
- (2) Unsupplemented water in QLD is defined as surface or ground water that is not reliant on infrastructure to store or distribute water. This is equivalent to the NSW term of Supplementary water.
- (3) The above water use statistics only include water diverted from the Border Rivers under the authority of the Border Rivers water entitlements. Water transferred from a tributary (e.g. the Macintyre Brook) to the Border Rivers and then diverted from the Border Rivers is not included in these statistics. Water temporarily transferred from one State to the other is reported as being use in the State of origin not the State of destination
- (4) Water taken by both Qld and NSW irrigators under the water sharing rules permitting small enterprises upstream of Goondiwindi Weir to pump from small unregulated inflows for direct irrigation, is included in the states' supplementary/unregulated water use statistics
- (5) Figures are correct at the time of compilation.
- (6)

Table 8 – Summary of resource assessments (Border Rivers) 1 July 20 – 30 June 21 (gigalitres)

Bulk Accounts	QLD Account balance 1/07/2020 (a)	QLD Total use/loss for year (b)	QLD Total distribution for year (c)	QLD Account balance 1/07/2021 (a-b+c)	NSW Account balance 1/07/2020 (a)	NSW Total use/loss for year (b)	NSW Total distribution for year (c)	NSW Account balance 1/07/2021 (a-b+c)
Storage Loss (Glenlyon Dam)	1.57	3.94	7.23	4.86	2.98	6.57	10.45	6.86
Storage Loss (Pindari Dam)	n/a	n/a	n/a	n/a	5.91	6.04	13.22	13.09
Essential Supplies (minimum release)	0	0	0	0	6.08	0	0	6.08
Essential Supplies (other)	7.46	1.94	2.1	7.62	24.71	5.19	5.19	24.71
Essential Supplies Delivery Loss	2.33	0.58	0.89	2.64	10.31	1.47	1.47	10.31
General Use	0.26	0.28	33.11	33.09	8.78	17.55	165.07	156.30
General Use Delivery Loss	0.08	0.09	9.93	9.92	2.67	5.27	49.49	46.89

Table 9 – Summary of resource assessments (Border Rivers) 1 July 21 – 30 June 22 (gigalitres)

Bulk Accounts	QLD Account balance 1/07/2021 (a)	QLD Total use/loss for year (b)	QLD Total distribution for year (c)	QLD Account balance 1/07/2022 (a-b+c)	NSW Account balance 1/07/2021 (a)	NSW Total use/loss for year (b)	NSW Total distribution for year (c)	NSW Account balance 1/07/2022 (a-b+c)
Storage Loss (Glenlyon Dam)	4.86	12.18	15.06	7.74	6.86	16.43	19.83	10.26
Storage Loss (Pindari Dam)	n/a	n/a	n/a	n/a	13.09	15.56	20.47	18.00
Essential Supplies (minimum release)	n/a	n/a	n/a	n/a	6.08	0	0	6.08
Essential Supplies (other)	7.62	1.37	1.37	7.62	24.71	0.27	0.27	24.71
Essential Supplies Delivery Loss	2.64	0.41	0.41	2.64	10.31	0.09	0.09	10.31
General Use	33.09	5	41.52	69.61	156.30	37.27	177.85	296.88
General Use Delivery Loss	9.92	1.51	12.47	20.88	46.89	11.19	53.37	89.07

Table 10 - Access to Unsupplemented/supplementary water from the Border Rivers

Month	1 July 20- 30 June 21 Access by small irrigation enterprises upstream of Goondiwindi Weir	1 July 20 - 30 June 21 General access to unregulated flows ¹	1 July 21 - 30 June 22 Access by small irrigation enterprises upstream of Goondiwindi Weir	1 July 21 - 30 June 22 General access to unregulated flows ¹
July	8	0	31	11 days, 2 hours / 100%
August	30	0	31	9 days, 17 hours / 100%
September	0	0	30	0 days, 0 hours / 100%
October	0	0	31	1 day, 23 hours / 100%
November	0	0	30	9 days, 11 hours / 100%
December	0	0	31	0 days, 0 hours / 100%
January	0	0	31	0 days, 0 hours / 100%
February	3	0	28	4 days, 5 hours / 100%
March	23	11	31	12 days, 14 hours / 100%
April	30	3 days 16 hours	30	11 days, 12 hours / 100%
May	31	3 days 14 hours	31	9 days, 20 hours / 100%
June	30	2 days 14 hours	30	6 days, 0 hours / 100%

- (1) General access to unregulated flows is authorised in hours and days in Queensland and as a percentage in New South Wales
- (2) Unsupplemented water in QLD is defined as surface or ground water that is not reliant on infrastructure to store or distribute water. This is equivalent to the NSW term of Supplementary water.

Table 11 – Sharing of Unregulated Flow¹ in the Border Rivers 1 July 21 – 30 June 22 (megalitres)

Flow Event Number	Start Date	End Date	Flow Event Volume	Regulated Water Requirement + Loss Allowance	25% Environmental Share Volume	Volume available for Sharing between States
1	1/7/2021	13/9/2021	1,060,775	510,237	137,635	412,904
2	3/10/2021	13/10/2021	52,607	12,632	9,994	29,981
3	16/10/2021	22/10/2021	41,692	7,713	8,495	25,484
4	11/11/2021	14/1/2022	2,225,080	818,865	351,554	1,054,661
5	6/2/2022	19/2/2022	84,658	17,878	16,695	50,085
6	1/3/2022	3/5/2022	757,675	180,029	144,412	433,235
7	12/5/2022	30/6/2022	515,447	98,879	104,142	312,426

(1) Reporting is in accordance with the NSW-Qld Border Rivers Intergovernmental Agreement 2008 Clause 33 Access Arrangements.

Table 12 – Preservation of Tributary inflow¹ for the Border Rivers 1 July 21 – 30 June 22 (megalitres)

Month	Number of days that tributary inflow would result in up to 100 ML/day at Mungindi	Number of days that tributary inflow resulted in up to 100 ML/day at Mungindi
1 July – 30 September	30	30
1 October – 31 December	92	92
1 January – 31 March	90	90
1 April – 30 June	N/A	N/A
Totals	212	212

(1) Reporting is in accordance with the NSW-Qld Border Rivers Intergovernmental Agreement 2008 Clause 32 Access Arrangements

Table 13 – Irrigated production in the Border Rivers (hectares)

Crop	2020-21 NSW	2020-21 QLD	2020-21 TOTAL	2021-22 NSW	2021-22 QLD	2021-22 TOTAL
Cotton	5,230	0	5,230	30,428	6,000	36,428
Lucerne	160	100	260	280	100	380
Cereals	1,490	2,500	3,990	1,130	1,400	2,530
Peanuts	0	0	0	0	0	0
Fodder crops	310	400	710	200	400	600
Horticultural crops	360	10	370	360	10	370
Other	1,500	0	1,500	90	40	130
Total	9050	3,010	12,060	32,488	7,950	40,438

- (1) The irrigated production statistics in this table include the crops grown on properties which take all or part of their irrigation water supplies from the Border Rivers. Crops grown on properties not supplied at least in part from the Border Rivers are not included in this table
- (2) The statistics for each year include the winter crop areas planted during the year

Table 14 - Groundwater allocation/entitlements in the Border Rivers Groundwater Area

Type	NSW ⁽¹⁾ (megalitres)	QLD (megalitres)
Issued allocation/entitlement	15,402	14,421 ⁽²⁾
Number of entitlements	28	31
Number of bores constructed	51	45 ⁽³⁾
Number of applications outstanding	0	0

- (1) The figures provided for NSW are for the area defined as the NSW Border Rivers Upstream Keetah Bridge Alluvial Groundwater Source
- (2) The Queensland figures do not include the allocation issued in the shallow aquifer, which is about 3,500 ML
- (3) Eight of the forty-five bores constructed are not equipped
- (4) Note: on the 1 June 2012 the "Water Sharing Plan for the NSW Border Rivers Unregulated and Alluvial Water Sources (the plan)" commenced.

In the plan, the area of the NSW alluvium that is part of the NSW/QLD Border Rivers Commission agreement is the NSW Border Rivers Upstream of Keetah Bridge Alluvial Groundwater Source.

The commencement of the plan turns on the Water Management Act 2000 in the area of the plan. This Act allows for trading of unit shares. You do not have to own land to own water. The number aquifer access licences can grow (if holders split share holdings) or reduce (if holders amalgamate share holdings) and the number of extraction points (bores) can also grow or reduce. The total number of shares will remain the same and usage will be restricted to the long-term average extraction limit.

As of 26 July 2021 the following statics are in place:

Description	Value
Total amount of Local Water Utility Access ML	10
Total number of Local Water Utility Access extraction points	1
Total number of Aquifer Access Licence unit shares	15,392 ⁽⁵⁾
Long term average extraction limit ML	8,085
Total number of Aquifer Access Licences	27
Total number of Aquifer Access Licence extraction points completed	48
Total number of Aquifer Access Licences extraction points not completed	6

- (5) At the commencement of the plan the available water determination is one megalitre (ML) per unit share

Table 15 - Groundwater use in the Border Rivers Groundwater Area (megalitres)

1 July 20 – 30 June 21 NSW	1 July 20 – 30 June 21 QLD	1 July 21 – 30 June 22 NSW	1 July 21 – 30 June 22 QLD
6,031	5,539	1,569	1,975

Resource Management

Table 16 - Beardmore Dam environmental, stock, and domestic water inflow, storage, and outflow/releases ¹

Month	2020-21 Inflow (ML)	2020-21 Outflow / Release (ML)	2020-21 Storage at end of month (ML)	2021-22 Inflow (ML)	2021-22 Outflow / Release (ML)	2021-22 Storage at end of month (ML)
July	0	0	180	10,170	5,390	4,550
August	0	0	170	6,140	10,550	0
September	0	0	160	420	0	420
October	1,110	0	1,240	460	0	850
November	360	1,500	50	14,440	15,240	0
December	530	0	560	22,630	22,630	0
January	15,770	13,950	2,090	21,150	18,890	2,260
February	9,980	11,660	360	15,250	17,510	0
March	11,830	12,170	0	22,630	22,630	0
April	14,370	14,370	0	21,900	21,900	0
May	500	0	480	22,630	22,630	0
June	10	0	470	21,900	21,900	0
Totals	54,460	53,650	n/a	179,720	179,270	n/a

(1) The first 730 megalitres per day of inflow to Beardmore Dam is accounted for as environmental, stock and domestic water under section 275 of the Condamine and Balonne resource operations plan

Table 17 - Border River and Intersecting Streams water quality guidelines and targets

The collection of the water quality samples is funded through the Commission, for and on behalf of the States of Queensland and New South Wales. Relevant government agencies are responsible for undertaking any subsequent appropriate actions.

Table 17A – Salinity: ANZECC 2000 Guideline for salt sensitive crops

Guideline value
650 us/cm

- (1) A preliminary water salinity rating can be assigned to irrigation waters based on electrical conductivity. These ratings provide only a general guide and are not intended to be used on their own to define the suitability of irrigation water. Other factors such as soil characteristics, climate, plant species and irrigation management must be considered.

Table 17B – Salinity: Murray-Darling Basin Authority (MDBA) End of Valley Target (EVT)

Valley	Site Number	Site Name	EVT Median 50%ile (us/cm)	EVT Peak 80%ile (us/cm)	EVT Salt Load (t/year)
NSW Border Rivers	416001	Macintyre R. at Mungindi	250	330	50,000
Condamine Balonne	422015	Culgoa River at Brenda	170	210	29,000
Condamine Balonne	422030	Narran R. at New Angledool	160	210	10,000
Warrego	423004	Warrego River at Barrington No.2	101	110	4,800

Table 17C – Applicable Basin Target Water Quality Zones for Border Rivers and Intersecting Streams Water Quality Projects

Basin Plan Water Quality Zone ¹	Turbidity (NTU)	Total Phosphorus (µg/L)	Total Nitrogen (µg/L)	Dissolved Oxygen (%sat)	pH
A1 – Condamine, Paroo, Warrego (Lowland)	700	300	1,000	60-110	6.5-8.0
A2 – Border Rivers, Gwydir, Namoi (Lowland)	200	200	1,000	65-110	7.0-8.30
B2 – Border Rivers, Gwydir, Namoi (Upland)	30	80	750	60-110	7.5-8.5
C2 - Border Rivers, Gwydir, Namoi (Montane)	25	20	250	90-110	6.5-7.5

- (1) Murray-Darling Basin Authority n.d., 'Maps and spatial data – Water Quality zones', Australian Government, viewed 3 August 2020, <<https://data.gov.au/data/dataset/34c88299-d0f4-4f83-9f8d-270c77e36ee2/resource/47b49404-f9f0-4916-a7a6-7e5bc47fcdda/download/water-quality-zones.pdf>>
- (2) The Basin Plan water-dependent ecosystem targets for turbidity, total phosphorus, total nitrogen, dissolved oxygen, and pH were developed following the methods outlined in the ANZECC Guidelines 2000.
- (3) Where there are no reference sites, the appropriate trigger value from the ANZECC Guidelines (2000) for slightly to moderately disturbed systems are used as the Basin Plan water quality target.

Table 18 - Summary of water quality 2020-21

Basin	Site no	Location	Electrical Conductivity [Number of samples]	Electrical Conductivity mS/cm [10th %ile]	Electrical Conductivity mS/cm [Med]	Electrical Conductivity mS/cm [90th]	Total Phosphorus [Number of samples]	Total Phosphorus mg/L [10th %ile]	Total Phosphorus mg/L [Med]	Total Phosphorus mg/L [90th]	Total Nitrogen [Number of samples]	Total Nitrogen (mg/L) [10th %ile]	Total Nitrogen (mg/L) [Med]	Total Nitrogen (mg/L) [90th]	Turbidity [Number of samples]	Turbidity (NTU) [10th %ile]	Turbidity (NTU) [Med]	Turbidity (NTU) [90th]
Dumaresq Tributaries	416003	Tenterfield Creek at Clifton	12	226	379	566	12	0.02	0.04	0.08	12	0.50	0.65	0.99	12	2.2	3.2	7.4
Dumaresq Tributaries	416310	Severn River at Farnbro	11	165	212	272	11	0.01	0.03	0.05	11	0.40	0.70	0.80	11	2.3	3.7	7.6
Dumaresq Tributaries	416303	Pike Creek U/S Glenlyon Dam	10	222	296	358	10	0.01	0.01	0.04	10	0.10	0.20	0.61	10	0.8	1.3	4.7
Dumaresq Tributaries	416309	Pike Creek at Glenlyon Dam Tailwater	10	229	437	575	10	0.01	0.01	0.03	10	0.3	0.4	0.7	10	1.5	1.9	6.1
Dumaresq Tributaries	416032	Mole River at Donaldson	12	133	205	251	12	0.02	0.04	0.06	12	0.40	0.50	0.70	12	3.6	6.1	16.3
Dumaresq Tributaries	416008	Beardy River at Haystack	12	117	139	163	12	0.02	0.04	0.08	12	0.20	0.35	1.07	12	10.2	11.2	36.5
Dumaresq Tributaries	416312	Oaky Creek at Texas	3	397	487	507	3	0.02	0.02	0.03	3	0.46	0.70	0.86	3	3.9	7.2	9.4
Dumaresq Tributaries	416415	Macintyre Brook at Booba Sands	12	17	43	657	12	0.05	0.10	0.16	12	0.80	1.05	1.57	12	6.1	21.4	82.7

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Basin	Site no	Location	Electrical Conductivity [Number of samples]	Electrical Conductivity mS/cm [10th %ile]	Electrical Conductivity mS/cm [Med]	Electrical Conductivity mS/cm [90th]	Total Phosphorus [Number of samples]	Total Phosphorus mg/L [10th %ile]	Total Phosphorus mg/L [Med]	Total Phosphorus mg/L [90th]	Total Nitrogen [Number of samples]	Total Nitrogen (mg/L) [10th %ile]	Total Nitrogen (mg/L) [Med]	Total Nitrogen (mg/L) [90th]	Turbidity [Number of samples]	Turbidity (NTU) [10th %ile]	Turbidity (NTU) [Med]	Turbidity (NTU) [90th]
Dumaresq River	416007	Macintyre River at Bonshaw Weir	12	128	221	268	12	0.01	0.04	0.06	12	0.40	0.75	2.05	12	5.0	7.5	31.3
Dumaresq River	416049	Macintyre River at Glenarbon Weir	12	170	226	311	12	0.03	0.06	0.13	12	0.42	1.30	2.76	12	6.9	15.2	36.8
Macintyre River	416012	Macintyre River at Holdfast	12	246	321	456	12	0.02	0.08	0.21	12	0.41	0.70	1.17	12	6.6	16.4	115.0
Macintyre River	41610044	Salisbury Bridge (Boggabilla)	12	208	284	332	12	0.04	0.09	0.12	12	0.51	0.80	1.59	12	8.6	18.8	52.1
Macintyre River	416048	Macintyre River at Kanowna	8	208	291	302	8	0.03	0.14	0.29	8	0.57	1.35	1.93	8	36.2	114.0	440.3
Barwon River	416001	Barwon River at Mungindi	12	219	308	339	12	0.04	0.09	0.28	12	0.60	0.95	1.69	12	23.7	88.7	321.9
Weir River	416202	Weir River at Talwood	12	122	188	247	12	0.26	0.40	0.49	12	1.60	1.90	2.30	12	188.6	575.0	768.0
Intersecting Streams	424002	Paroo at Willara crossing	11	77	102	140	11	0.24	0.38	0.52	11	1.00	1.30	1.60	11	267.0	457.0	553.0
Intersecting Streams	423002	Warrego River at Fords Bridge	8	96	148	213	8	0.21	0.44	1.16	8	0.74	1.15	2.26	6	289.0	373.5	763.0

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Basin	Site no	Location	Electrical Conductivity [Number of samples]	Electrical Conductivity mS/cm [10th %ile]	Electrical Conductivity mS/cm [Med]	Electrical Conductivity mS/cm [90th]	Total Phosphorus [Number of samples]	Total Phosphorus mg/L [10th %ile]	Total Phosphorus mg/L [Med]	Total Phosphorus mg/L [90th]	Total Nitrogen [Number of samples]	Total Nitrogen (mg/L) [10th %ile]	Total Nitrogen (mg/L) [Med]	Total Nitrogen (mg/L) [90th]	Turbidity [Number of samples]	Turbidity (NTU) [10th %ile]	Turbidity (NTU) [Med]	Turbidity (NTU) [90th]
Intersecting Streams	422015	Culgoa River at Brenda	11	163	224	372	11	0.18	0.25	0.35	11	1.00	1.10	1.60	11	204.0	347.0	405.0
Intersecting Streams	422014	Bokhara River at Goodooga	11	162	218	638	11	0.28	0.37	0.59	11	1.10	1.40	2.00	11	295.5	339.0	607.0
Intersecting Streams	422013	Birrie River near Goodooga	3	136	162	170	3	0.28	0.34	0.39	3	0.82	1.30	1.54	3	293.8	393.0	633.8
Intersecting Streams	422012	Narran River at New Angledool	11	156	193	292	11	0.17	0.32	0.42	11	1.00	1.30	1.80	11	320.0	440.0	643.0
Glenlyon Dam	416315	Glenlyon 1: Top	12	151	289	312	12	0.01	0.03	0.04	12	0.61	1.10	1.40	12	1.86	3.97	9.65
Glenlyon Dam	416315	Glenlyon 1: Middle	12	151	290	311	12	0.01	0.02	0.05	12	0.61	1.05	1.48	12	2.03	.50	9.38
Glenlyon Dam	416315	Glenlyon 1: Bottom	12	15	289	304	12	0.01	0.02	0.06	12	0.62	1.15	1.50	12	2.50	2.92	9.61

(1) The table provides information on the median value (middle value), the 10th percentile (10% of the samples are below this value) and the 90th percentile (90% of the samples are below this value; v.v. 10% of the samples are greater than this value).

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Table 19 - Summary of water quality 2021-22

Basin	Site No.	Location	Electrical Conductivity µS/cm				Total Phosphorus (mg/L)				Total Nitrogen (mg/L)				Turbidity (NTU)			
			N	10th %ile	Med	90th %ile	N	10th %ile	Med	90th %ile	N	10th %ile	Med	90th %ile	N	10th %ile	Med	90th %ile
Dumaresq Tributaries	416003	Tenterfield Ck at Clifton	12	125	164	286	12	0.03	0.09	0.12	12	0.70	0.90	1.20	12	7.09	20.90	34.12
	416310	Severn River at Farnbro	12	151	192	323	12	0.02	0.08	0.15	12	0.73	1.15	1.49	12	6.66	12.85	38.53
	416303	Pike Creek U/S Glenlyon Dam	12	167	197	257	12	0.01	0.06	0.11	12	0.52	0.95	1.39	12	5.83	29.90	63.75
	416309	Pike Creek at Glenlyon Dam Tailwater	12	130	166	523	12	0.01	0.04	0.07	12	0.40	0.70	1.17	12	5.0	10.4	29.4
	416032	Mole R. at Donaldson	12	99	138	206	12	0.01	0.05	0.11	12	0.40	0.70	0.90	12	7.1	21.0	46.3
	416008	Beardy R. at Haystack	12	105	139	176	12	0.02	0.06	0.14	12	0.30	0.35	0.78	12	5.2	14.3	43.3
	416312	Oaky Creek at Texas	9	307	423	538	9	0.01	0.03	0.07	9	0.20	0.30	0.74	9	7.9	13.3	67.0
	416415	Macintyre Brook at Booba Sands	9	171	250	393	9	0.09	0.12	0.15	9	1.08	1.20	1.42	9	38.6	53.5	95.3
Dumaresq/Macintyre	416007	Macintyre River at Bonshaw Weir	12	123	160	218	12	0.02	0.08	0.17	12	0.80	1.00	1.29	11	9.1	31.4	89.4
	416049	Macintyre River at Mauro	11	145	162	244	11	0.03	0.08	0.10	11	0.90	1.10	1.30	11	11.6	33.0	49.8
	416012	Macintyre River at Holdfast	12	172	228	284	12	0.13	0.19	0.23	12	0.70	1.00	1.10	12	25.3	44.5	91.1
	4161004 4	Macintyre R. at Salisbury Br	11	152	195	260	11	0.08	0.14	0.19	11	0.80	1.10	1.40	11	29.0	60.0	123.0
	416048	Macintyre R. at Kanowna	7	129	245	262	7	0.13	0.14	0.24	7	0.96	1.10	1.52	7	97.0	158.0	263.4
	416001	Barwon R. at Mungindii	12	187	222	267	12	0.12	0.19	0.30	12	1.00	1.15	1.68	12	94.1	243.5	510.7
Weir River	416202	Weir R. at Talwood	8	101	161	177	8	0.25	0.29	0.48	8	1.40	1.60	1.96	8	227.0	499.0	1048.7
Glenlyon Dam	416315	Glenlyon 1: Top	11	139.7	149.7	179.1	11	0.01	0.04	0.06	11	0.80	1.00	1.50	11	4.5	6.8	10.9
		Glenlyon 1: Middle	11	142.4	154.5	174.7	11	0.01	0.03	0.06	11	0.70	1.00	1.40	11	5.1	7.0	14.3
		Glenlyon 1: Bottom	11	152.3	180.5	187.5	11	0.04	0.07	0.08	11	0.80	1.00	1.20	11	7.4	12.3	16.0
Intersecting Streams	424002	Paroo at Willara crossing	9	63	71	170	9	0.25	0.32	0.49	9	0.90	1.20	1.50	9	304.4	530.0	921.0

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Basin	Site No.	Location	Electrical Conductivity µS/cm				Total Phosphorus (mg/L)				Total Nitrogen (mg/L)				Turbidity (NTU)			
			N	10th %ile	Med	90th %ile	N	10th %ile	Med	90th %ile	N	10th %ile	Med	90th %ile	N	10th %ile	Med	90th %ile
	423002	Warrego River at Fords Bridge	8	86	112	145	8	0.25	0.41	0.54	8	0.60	0.80	1.46	7	407.4	615.0	916.8
	422015	Culgoa R. at Brenda	9	156	197	229	9	0.29	0.52	0.59	9	1.06	1.20	1.58	9	312.8	440.0	648.8
	422014	Bokhara R. at Goodooga	9	164	200	239	9	0.40	0.48	0.64	9	1.08	1.30	2.02	9	338.6	414.0	709.2
	422013	Birrie River near Goodooga	7	170	201	243	7	0.33	0.54	0.61	7	0.84	1.30	2.06	6	334.5	431.0	574.5
	422012	Narran R. at New Angledool	9	149	202	232	9	0.29	0.46	0.55	9	1.04	1.20	1.46	9	192.8	440.0	594.8

(1) The table provides information on the median value (middle value), the 10th percentile (10% of the samples are below this value) and the 90th percentile (90% of the samples are below this value; v.v. 10% of the samples are greater than this value).

Table 20 - Stream gauging stations (Border Rivers)

AWRC No	Stream	Station	Equipment (see note)	Telemetry	Established date	Owned by	2020-21 Total Flow (MLx103)	2021-22 Total Flow (MLx103)	Historical Min (MLx103)	Historical Min (Date)	Historical Max (MLx103)	Historical Max (Date)	Historical Median (MLx103)
416001	Barwon River	Mungindi	AR	Yes	1889	Water NSW	387	2419	7	(2018-19)	3,131	(1950-51)	406
416002	Macintyre River	Boggabilla	AR	Yes	1895	Water NSW	928	4373	29	(1919-20)	4,510	(1950-51)	596
416003	Tenterfield Creek	Clifton	AR	Yes	1921	Water NSW	36	199	0.4	(2018-19)	235	(1949-50)	36
416006	Severn River	Ashford	AR	Yes	1934	Water NSW	150	701	16.6	(2019-20)	1,389	(1950-51)	181
416007	Dumaresq River	Bonshaw Weir	AR	Yes	1934	Water NSW	464	1923	54	(1993-94)	1,923	(2021-22)	208
416008	Beardy River	Haystack	AR	Yes	1934	Water NSW	98	228	0.2	(2018-19)	293	(2010-11)	29
416010	Macintyre River	Wallangra	AR	Yes	1937	Water NSW	142	384	3.4	(2018-19)	667	(1970-71)	75
416011	Dumaresq River	Roseneath	AR	Yes	1937	Water NSW	286	1469	36	(1993-94)	1,603	(1955-56)	265
416012	Macintyre River	Holdfast	AR	Yes	1951	Water NSW	406	1272	31	(2019-20)	1,682	(1955-56)	270
416020	Ottleys Creek	Coolatai	AR	Yes	1967	Water NSW	17	29	0.7	(2006-07)	65	(2000-01)	8

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AWRC No	Stream	Station	Equipment (see note)	Telemetry	Established date	Owned by	2020-21 Total Flow (MLx103)	2021-22 Total Flow (MLx103)	Historical Min (MLx103)	Historical Min (Date)	Historical Max (MLx103)	Historical Max (Date)	Historical Median (MLx103)
416032	Mole River	Donaldson	AR	Yes	1969	Water NSW	119	478	0	(2018-19)	478	(2021-22)	70
416037	Boomi River	Offtake	AR	Yes	1973	Water NSW	34	284	3	(1994-95)	284	(2021-22)	27
416040	Dumaresq River	Glenarbon Weir	AR	Yes	1996	Water NSW	442	2082	63	(2017-18)	2,082	(2021-22)	185
416043	Macintyre River	Boomi Weir	AR	Yes	1976	Water NSW	211	786	21	(1994-95)	786	(2021-22)	154
416047	Macintyre River	Terrewah	AR	Yes	1985	Water NSW	358	2084	31	(1994-95)	2,084	(2021-22)	226
416048	Macintyre River	Kanowna	AR	Yes	1988	Water NSW	226	967	25	(1994-95)	967	(2021-22)	137
416201A	Macintyre River	Goondiwindi	AR	Yes	1950	DRDMW	826	3929	61	(1994-95)	4,616	(1950-51)	675
416201B	Macintyre River	Goondiwindi Weir	AR	Yes	1997	DRDMW	674	3034	158	(2006-07)	3,034	(2021-22)	279
416202A	Weir River	Talwood	AR	Yes	1949	DRDMW	198	682	0	(2006-07)	687	(1995-96)	60
416305B	Brush Creek	Beebo	AR	Yes	1950	DRDMW	10	39	0	(Several)	55	(1995-96)	2.4
416309B	Pike Creek	Glenlyon Dam Tailwater	AR	Yes	1973	DRDMW	2.8	307	4	(1976-77)	307	(2021-22)	49
416310A	Dumaresq River	Farnbro	AR	Yes	1962	DRDMW	75	377	0	(2018-19)	433	(2010-11)	49

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AWRC No	Stream	Station	Equipment (see note)	Telemetry	Established date	Owned by	2020-21 Total Flow (MLx103)	2021-22 Total Flow (MLx103)	Historical Min (MLx103)	Historical Min (Date)	Historical Max (MLx103)	Historical Max (Date)	Historical Median (MLx103)
416312A	Oakey Creek	Texas	AR	Yes	1969	DRDMW	10	62	0	(2018-19)	99	(1995-96)	5.7
416315A	Pike Creek	Glenlyon Dam Headwater	AR	Yes	1977	DRDMW	0	204	0	(Several)	204	2021-22	0
416402C	Macintyre Brook	Inglewood	AR	Yes	1953	DRDMW	66	451	6	(1994-95)	542	(1995-96)	36
416415A	Macintyre Brook	Booba Sands	AR	Yes	1987	DRDMW	80	536	4	(1994-95)	630	(1995-96)	32

(1) AR = automatic recorder; SG = staff gauge, Established date = commencement date of Hydstra data records

Table 21 - Stream gauging stations (Intersecting Streams)

AWRC No	Stream	Station	Equipment (see note)	Telemetry	Established date	Owned by	2020-21 Total Flow (MLx103)	2021-22 Total Flow (MLx103)	Historical Min (MLx103)	Historical Min (Date)	Historical Max (MLx103)	Historical Max (Date)	Historical Median (MLx103)
417001	Moonie River	Gundablouie	AR	Yes	1945	Water NSW	118	433	0	(2018-19)	674	(2011-12)	66
417204A	Moonie River	Fenton	AR	Yes	1971	DRDMW	132	557	0	(2018-19)	670	(1975-76)	70
422005	Bokhara River	Goodwin's	AR	Yes	1944	Water NSW	14	171	0	(Several)	652	(1955-56)	17
422006	Culgoa River	Downstream Collerina (Kenebree)	AR	Yes	1944	Water NSW	154	1312	6	(2018-19)	2341	(1989-90)	276
422010	Birrie River	Talawanta	AR	Yes	1964	Water NSW	18	250	0	(Several)	381	(1983-84)	24
422011	Culgoa River	Upstream Collerina (Mundiwa)	AR	Yes	1964	Water NSW	116	993	6	(2001-02)	1898	(2010-11)	153
422030	Narran River	Angledool #2	AR	Yes	1959	Water NSW	34	697	0	(Several)	697	(2021-22)	106
422013	Birrie River	Near Goodooga	AR	Yes	1964	Water NSW	14	329	0	(Several)	510	(2010-11)	29
422032	Bokhara River	Goodooga	AR	Yes	1915	Water NSW	11	237	0	(Several)	445	(2010-11)	14

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AWRC No	Stream	Station	Equipment (see note)	Telemetry	Established date	Owned by	2020-21 Total Flow (MLx103)	2021-22 Total Flow (MLx103)	Historical Min (MLx103)	Historical Min (Date)	Historical Max (MLx103)	Historical Max (Date)	Historical Median (MLx103)
422015	Culgoa River	Brenda	AR	Yes	1960	Water NSW	88	1715	0	(1992-93)	2530	(2010-11)	146
422016	Narran River	Wilby Wilby	AR	Yes	1964	Water NSW	35	715	0	(Several)	715	(2021-22)	76
422017	Culgoa River	Weilmoringle	AR	Yes	1964	Water NSW	87	1262	0	(1992-93)	1889	(2010-11)	115
422204A	Culgoa River	Whyenbah	AR	Yes	1965	DRDMW	154	1880	2.7	(1992-93)	2247	(2010-11)	316
422206A	Narran River	Dirranbandi-Hebel Road	AR	Yes	1965	DRDMW	39	560	0.2	(1992-93)	1993	(2010-11)	94
422207A	Ballandool River	Hebel-Bollon Road	AR	Yes	1965	DRDMW	7	155	0	(1992-93)	390	(2010-11)	15
422209A	Bokhara River	Hebel	AR	Yes	1967	DRDMW	14	201	0.5	(1992-93)	374	(2010-11)	20
422211A	Briarie Creek	Woolerbilla-Hebel Road	AR	Yes	1992	DRDMW	0.7	597	0	(Several)	953	(2010-11)	7
423001	Warrego River	Fords Bridge	AR	Yes	1921	Water NSW	2	7	0	(Several)	372	(1975-76)	7
423002	Warrego River	Fords Bridge (Bywash)	AR	Yes	1921	Water NSW	14	50	0	(1957-58)	229	(1955-56)	41
423202C	Warrego River	Cunnamulla Weir	AR	Yes	1992	DRDMW	91	219	0	(2013-14)	1832	(2009-10)	138

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AWRC No	Stream	Station	Equipment (see note)	Telemetry	Established date	Owned by	2020-21 Total Flow (MLx103)	2021-22 Total Flow (MLx103)	Historical Min (MLx103)	Historical Min (Date)	Historical Max (MLx103)	Historical Max (Date)	Historical Median (MLx103)
424002	Paroo River	Willara Crossing	AR	Yes	1975	Water NSW	170	229	7.79	(2012-13)	1418	(1975-76)	170
424201A	Paroo River	Caiwarro	AR	Yes	1967	DRDMW	296	334	13	(2012-13)	2041	(2009-10)	291
11202	Bulloo River	Autumnvale	AR	Yes	1967	DRDMW	236	500	19	(1976-77)	3241	(1973-74)	393

(2) AR = automatic recorder; SG = staff gauge, Established date = commencement date of Hydstra data records

Table 22 - Groundwater monitoring network

Bore number	Location	State	Piezometer	Depth (m)	Automatic WL Recorder (Yes/No)	Year Installed	Depth to WL 2020-21 Max (m)	Depth to WL 2020-21 Min (m)	Depth to WL 2021-22 Max (m)	Depth to WL 2021-22 Min (m)
41640001	Keetah Crossing	QLD	A	87.3	No	1985	6.43	6.11	6.46	5.32
41640001	Keetah Crossing	QLD	B	46.8	No	1985	7.26	7.19	6.18	5.66
41640002	Keetah Crossing	QLD	A	17.8	No	1985	N.O.N	N.O.N	#N/A	#N/A
41640003	Yelarbon Desert	QLD	A	92.4	No	1985	5.13	5.00	4.68	4.34
41640003	Yelarbon Desert	QLD	B	47.9	No	1985	6.78	6.71	6.54	6.38
41630128	Glenarbon	QLD	A	93	No	1996	43.01	35.90	27.05	26.87
41630042	David Muggleton	QLD	A	13.3	No	1959	8.34	7.91	7.39	7.36
41630039	'Eldorado'	QLD	A	16.7	No	1959	N.O.N	N.O.N	#N/A	#N/A
41630072	Cunningham Weir	QLD	A	90.4	Yes	1985	52.42	39.74	40.36	38.62
41630072	Cunningham Weir	QLD	B	41.4	Yes	1985	40.32	36.23	36.05	36.05
41630072	Cunningham Weir	QLD	C	10.4	Yes	1985	10.00	4.79	4.61	4.61
41630064	Texas	QLD	A	52.5	No	1985	32.92	28.59	23.15	23.15
41630064	Texas	QLD	B	28.5	No	1985	23.09	21.70	19.44	19.44
41630066	Bill & Tater	QLD	A	90.4	Yes	1985	44.73	32.01	30.26	30.26
41630066	Bill & Tater	QLD	B	45.9	Yes	1985	33.71	33.71	29.20	26.99

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Bore number	Location	State	Piezometer	Depth (m)	Automatic WL Recorder (Yes/No)	Year Installed	Depth to WL 2020-21 Max (m)	Depth to WL 2020-21 Min (m)	Depth to WL 2021-22 Max (m)	Depth to WL 2021-22 Min (m)
41630067	Bill & Tater	QLD	A	12.2	Yes	1985	6.24	0.40	4.02	4.02
41630063	Finlay's	QLD	A	100.6	No	1983	21.51	10.23	8.40	5.56
41630063	Finlay's	QLD	B	64.6	No	1983	10.03	10.03	8.18	5.48
41630062	Finlay's	QLD	A	17.4	No	1985	8.10	7.14	4.97	3.28
41630071	Finlay's	QLD	A	48.2	No	1985	8.53	8.53	#N/A	#N/A
41630071	Finlay's	QLD	B	41.2	No	1985	N.O.N	N.O.N	7.19	4.13
41630059	John Moore	QLD	A	101.7	No	1985	7.68	7.56	4.97	3.49
41630069	John Moore	QLD	A	92	No	1985	19.72	13.68	17.85	8.74
41630069	John Moore	QLD	B	35.9	No	1985	14.47	11.02	15.50	7.03
41630069	John Moore	QLD	C	15.4	No	1985	8.31	7.60	6.57	4.73
41630060	John Moore	QLD	A	12.1	No	1985	N.O.N	N.O.N	8.75	8.69
41630058	John Moore	QLD	A	10.6	No	1985	N.O.N	N.O.N	7.27	5.65
41630070	Phillip Harpham	QLD	A	9.2	No	1985	8.31	6.58	8.02	2.30
41630004	V and E Sattolo	QLD	A	11.8	No	1960	N.O.N	N.O.N	12.31	11.99
41630097	V and E Sattolo	QLD	A	29.5	Yes	2020	27.10	17.51	18.60	6.92
41630098	V and E Sattolo	QLD	A	22.79	Yes	2020	22.61	18.29	17.43	6.61
41630003	V and E Sattolo	QLD	A	27.1	No	1961	22.96	17.01	6.93	6.90
41630002	V and E Sattolo	QLD	A	29.9	No	1961	17.93	17.37	13.59	7.51

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Bore number	Location	State	Piezometer	Depth (m)	Automatic WL Recorder (Yes/No)	Year Installed	Depth to WL 2020-21 Max (m)	Depth to WL 2020-21 Min (m)	Depth to WL 2021-22 Max (m)	Depth to WL 2021-22 Min (m)
GW036697 41640041A	Keetah Bridge	NSW	1	20	Yes	1987	8.99	8.98	8.98	8.96
GW036697 41640042A	Keetah Bridge	NSW	2	64	Yes	1987	7.10	6.25	7.01	5.62
GW036697 41640043A	Keetah Bridge	NSW	3	83.5	Yes	1987	9.15	6.00	7.10	5.14
GW093060 41630109A	Smithfield Section	NSW	1	13.4	No	2009	8.63	8.21	6.86	6.36
GW093061 41630110A	Smithfield Section	NSW	1	15.1	No	2009	10.12	9.74	8.31	8.16
GW093061 41630111A	Smithfield Section	NSW	2	25.3	No	2009	20.32	20.08	19.49	19.22
GW040635 41630037A	Smithfield Section	NSW	1	15.9	No	1960	9.18	8.80	7.33	7.17
GW040636 41630036A	Smithfield Section	NSW	1	11.3	No	1960	8.27	7.98	5.61	2.07
GW040637 41630035A	Smithfield Section	NSW	1	7.9	No	1960	7.23	6.96	4.83	3.91
GW040638 41630034A	Smithfield Section	NSW	1	11.9	No	1960	(Dry) 11.68	(Dry) 11.68	8.61	6.77
GW093062 41630113A	Smithfield Section	NSW	1	15.6	No	2009	9.60	9.22	7.65	7.32
GW40771 41630114C	Smithfield Section	NSW	1	30	Yes	1994	28.98	28.86	21.82	20.90

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Bore number	Location	State	Piezometer	Depth (m)	Automatic WL Recorder (Yes/No)	Year Installed	Depth to WL 2020-21 Max (m)	Depth to WL 2020-21 Min (m)	Depth to WL 2021-22 Max (m)	Depth to WL 2021-22 Min (m)
GW040771 41630114B	Smithfield Section	NSW	2	37	Yes	1994	34.36	34.32	34.20	32.30
GW040771 41630114A	Smithfield Section	NSW	3	50	Yes	1994	37.86	37.32	38.18	35.80
GW040641 41630012A	Riverstone Section	NSW	1	35	No	1960	24.39	12.47	10.34	7.60
GW040642 41630011A	Riverstone Section	NSW	1	9.7	No	1960	7.03	7.00	5.42	3.27
GW040644 41630009A	Riverstone Section	NSW	1	9.5	No	1960	8.84	8.71	6.87	5.48
GW040646 41630007A	Riverstone Section	NSW	1	7.7	No	1960	7.84	7.51	5.18	3.09
GW040647 41630030A	Hopwood Section	NSW	1	12.8	No	1959	(Dry) 9.10	(Dry) 9.07	7.04	6.00
GW040648 41630029A	Hopwood Section	NSW	1	11.2	No	1959	9.24	8.99	6.36	5.00
GW040649 41630028A	Hopwood Section	NSW	1	28.9	No	1959	8.45	8.27	5.16	2.39
GW040650 41630027A	Hopwood Section	NSW	1	12.6	No	1959	9.89	9.36	7.81	2.73
GW040652 41630025A	Hopwood Section	NSW	1	12.2	No	1959	9.25	9.07	5.15	3.13
GW040653 41630024A	Hopwood Section	NSW	1	10.9	No	1959	9.10	8.95	4.90	3.59

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Bore number	Location	State	Piezometer	Depth (m)	Automatic WL Recorder (Yes/No)	Year Installed	Depth to WL 2020-21 Max (m)	Depth to WL 2020-21 Min (m)	Depth to WL 2021-22 Max (m)	Depth to WL 2021-22 Min (m)
GW93063 41630101A	Lochiel Section	NSW	1	12	No	2009	8.09	7.89	5.58	4.80
GW93063 41630102A	Lochiel Section	NSW	2	21.7	No	2009	9.84	9.39	7.30	6.09
GW93064 41630103B	Lochiel Section	NSW	1	13.3	No	2009	N.O.N	N.O.N	#N/A	#N/A
GW93064 41630103A	Lochiel Section	NSW	2	22.3	No	2009	9.79	9.38	7.00	6.20
GW93065 41630104A	Lochiel Section	NSW	1	12.6	No	2009	8.73	8.44	5.78	3.29
GW93065 41630105A	Lochiel Section	NSW	2	27	No	2009	8.68	8.36	5.59	3.81
GW40829 41630106B	Lochiel Section	NSW	1	12	No	1996	10.38	9.99	8.05	6.70
GW40829 41630106A	Lochiel Section	NSW	2	42	No	1996	10.34	10.17	8.08	6.60
GW40830 41630107A	Lochiel Section	NSW	1	27	No	1996	(Dry) 10.34	(Dry) 10.33	9.60	7.25
GW40831 41630108B	Lochiel Section	NSW	1	44	Yes	1996	37.41	37.00	37.16	36.83
GW40831 41630108A	Lochiel Section	NSW	2	96	Yes	1996	43.36	41.10	40.42	40.10

(1) N.O.N. - not on network

(2) NSW bore numbers have been assigned Qld identifiers for entry into GWDB.