

CONSULTATION PAPER

NSW updated factors for water recovery

Prepared by: the NSW Department of Industry and the Murray–Darling Basin Authority



Australian Government



Published by NSW Department of Industry

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First published in May 2018

More information

industry.nsw.gov.au/water-reform

Acknowledgements

Murray-Darling Basin Authority

PUB18/322

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- ^a s6.05 (3) of the Basin Plan (2012) sets shared reduction amounts across basin zones
- ^b Assumes that the full adjustment to the recovery volume resulting from SDL adjustment mechanism and the Northern Basin Review is in effect. The requirement that 62,000 ML in SDL adjustment mechanism efficiency measures is achieved to enable the full 605,000 ML supply measure adjustment is assumed to have been met. While some projects are underway across the Basin to this effect, projects in NSW have yet to commence.
- ^c Recovery values include water which is contracted but not yet delivered
- ^d Pending finalisation of factors for the Intersecting Streams, current reporting method is maintained - 9,720 ML special additional high flow entitlement is not reported
- ^e The Lachlan is presented separately in this table as it is a terminal system, and is not considered to be a part of either the northern or southern Basin for recovery purposes
- ^f BDL determined with a revised agreed accounting for Nimmie-Caira recoveries – entire volume of this entitlement is now recognised for 'gap-bridging' purposes, adding an additional 40,300 ML/y to previously published recovery volumes of 132,600 ML/y
- ^g BDL determined continuing the practice under Cap arrangements, where defined in the Diversion Formula Register v6, of deducting return flows
- ^h 4,900 ML/y LTDLE has been recovered in NSW for the ACT shared reduction amount and has not been reported in this table

Updated factors

Intersecting streams

Entitlement type	2011 factor	2018 updated factor—DRAFT*
Unregulated entitlement	1.000	1.000
Unregulated entitlement—special additional high flow		0

*Work is progressing on finalising the factors for the Intersecting Streams valley.

Barwon–Darling

Entitlement type	2011 factor	2018 updated factor—DRAFT
A Class	1.000	1.000
B Class	1.000	1.000
C Class	1.000	1.000
Unregulated stream entitlements	1.000	1.000

Border Rivers

Entitlement type	2011 factor	2018 updated factor—DRAFT
Domestic and stock	0.850	0.617
Local water utility	0.994	0.812
High security	0.850	0.603
General security Class A	0.850	0.976
General security Class B	0.400	0.337
Supplementary water access	0.266	0.697

Gwydir

Entitlement type	2011 factor	2018 updated factor—DRAFT
Domestic and stock	0.850	0.432
Local water utility	0.850	0.578
High security	1.000	0.886
General security	0.360	0.380
Supplementary water access	0.190	0.485

Peel

Entitlement type	2011 factor	2018 updated factor—DRAFT
Domestic and stock	0.850	0.282
Local water utility	0.850	0.525
High security	0.850	0.393
General security	0.259	0.209

Namoi excluding Peel

Entitlement type	2011 factor	2018 updated factor—DRAFT
Domestic and stock	0.850	0.435
Local water Utility	0.850	0.349
High security	0.850	0.723
General security	0.770	0.753
Supplementary water access	0.170	0.279

Macquarie/Castlereagh/Bogan

Entitlement type	2011 factor	2018 updated factor—DRAFT
Domestic and stock	0.850	0.290
Local water utility	0.850	0.681
High security	0.850	0.668
General security	0.420	0.516
Supplementary water access	0.210	0.588

Lachlan (excluding Belubula)

Entitlement type	2011 factor	2018 updated factor—DRAFT
Domestic and stock	0.825	0.402
Local water utility	0.825	0.530
High security	1.000	0.927
Conveyance	0.686	0.834
General security	0.420	0.396

Murrumbidgee

Entitlement type	2011 factor	2018 updated factor—DRAFT
Domestic and stock	0.850	0.805
Local water utility	0.850	0.488
High security	0.950	0.977
High security (TWS)		0.977
Conveyance	0.950	0.870
General security	0.640	0.591
General security—meeting ACT shared reduction		
Supplementary water	0.140	0.377
Lowbidgee entitlement—Nimmie Caira net diversions	0.454	0.456
Lowbidgee entitlement—Redbank North diversions	0.336	0.172
Lowbidgee entitlement—Redbank South diversions (Yanga NP)	0.336	0.448
Unregulated		1.000

Murray (NSW)

Entitlement type	2011 factor	2018 updated factor—DRAFT
Domestic and stock	0.850	0.623
Local water utility	0.850	0.581
High security	0.950	0.873
Conveyance	0.784	0.918
General security	0.810	0.699
Supplementary water access	0.735	0.703
Unregulated		1.000

Lower Darling

Entitlement type	2011 factor	2018 updated factor—DRAFT
Domestic and stock	0.862	0.345
Local water utility	0.850	0.365
High security	0.838	0.734
General security	0.810	0.931

Use of inter-valley trade

Issues requiring community feedback

The factors are currently in draft and are being finalised over the coming months. The NSW Government and the MDBA are seeking specific stakeholder feedback about two areas, and could consider any new information or evidence on these specific areas in finalising the factors. Information that could influence the factors needs to be technically robust to be included in the assumptions.

There are two elements of planning assumptions that the NSW government and the MDBA are seeking feedback on:

Estimates of supplementary and general security entitlements: The planning assumptions considered domestic and stock, local water security and high-security entitlements first, and then supplementary and general security entitlements. For supplementary access, long-run modelling estimates were used with the remaining water available for general security. Existing growth in use provisions apply first to supplementary access. Usage behaviour by supplementary and general security entitlements is linked, and this approach assumes that supplementary access will continue to occur opportunistically and will often substitute for general security usage. Feedback on this aspect of the method is invited.

Historical usage: The updated factors consider recent historical usage patterns (for some areas this includes information up to and including the 2016–17 water year). This recent data is considered to provide a good source for determining usage patterns for water resource plans. The NSW Government and the MDBA are seeking any stakeholder evidence that could be considered regarding historical usage.