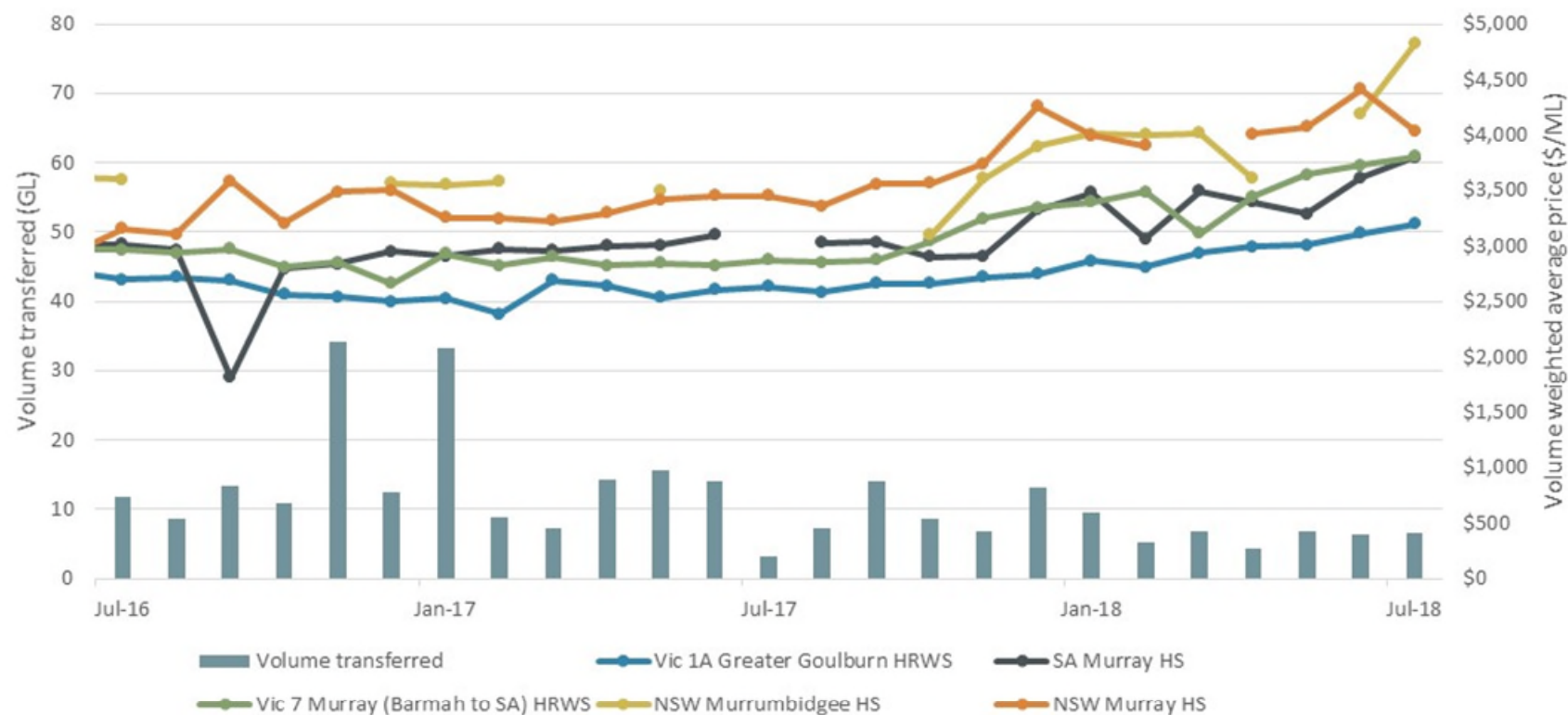


Water Entitlement Market Prices – Summary Report, July 2018

SOUTHERN MURRAY–DARLING BASIN

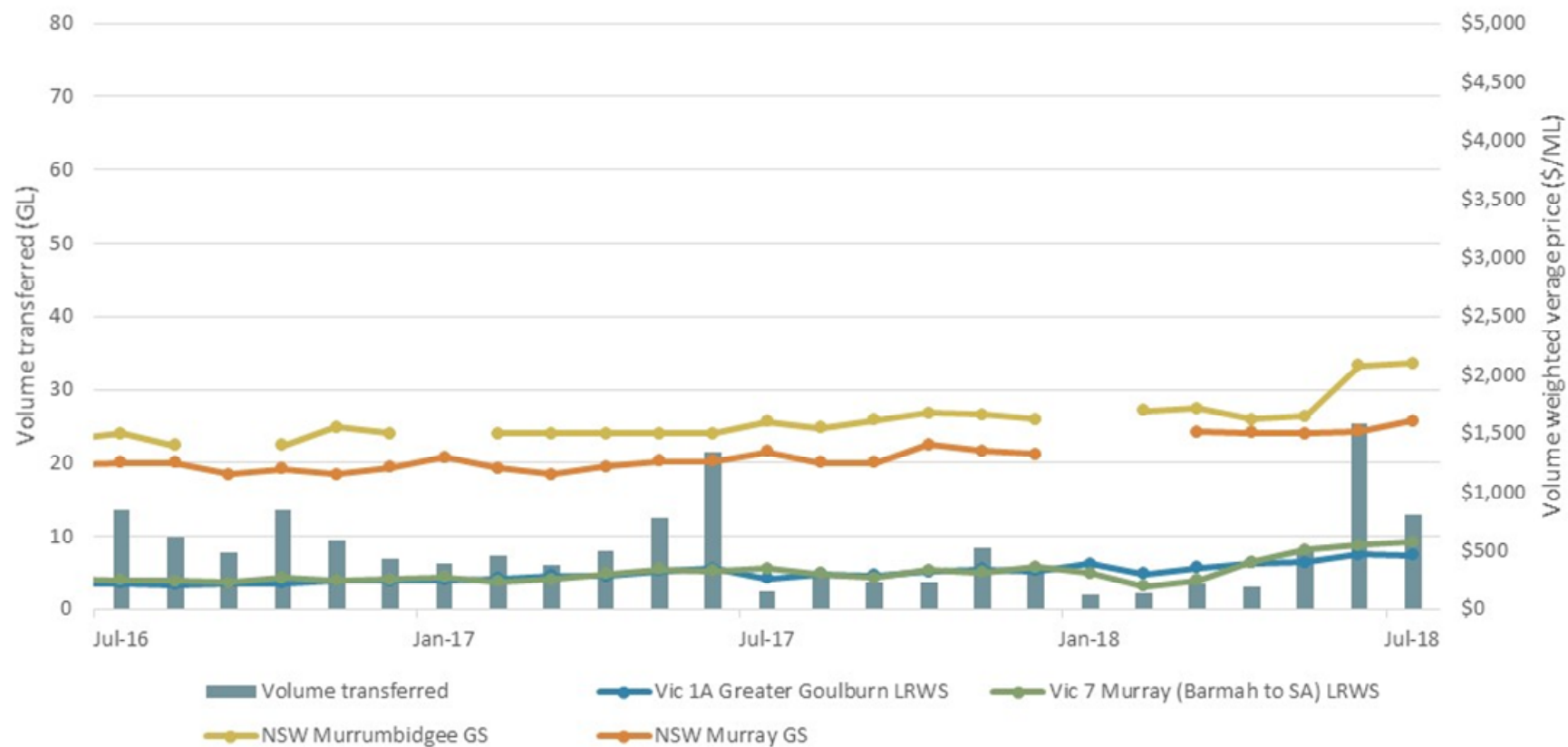
Figure 1 Southern Murray–Darling Basin higher reliability entitlement VWAPs and transfer volumes, 2016-17 to 2017-18



Source: Aither, 2018.

Note: Volume transferred includes all register transactions for zones: NSW Murray HS, NSW Murrumbidgee HS, SA Murray HS, Vic 1A Greater Goulburn HRWS, Vic 6 Murray (Dart to Barmah) HRWS and Vic 7 Murray (Barmah to SA) HRWS.

Figure 2 Southern Murray–Darling Basin lower reliability entitlement VWAPs and transfer volumes, 2016-17 to 2017-18



Source: Aither, 2018.

Note: Volume transferred includes all register transactions for NSW Murray GS, NSW Murrumbidgee GS, Vic 1A Greater Goulburn LRWS, Vic 6 Murray (Dart to Barmah) LRWS and Vic 7 Murray (Barmah to SA) LRWS.

Table 1 Southern Murray–Darling Basin trade statistics

Entitlement Market	July 2018 VWAP (\$/ML) ^{1,2}	July 2018 Maximum Price (\$/ML) ²	July 2018 Number of Transfers ³	July 2018 Volume of Transfers (ML) ³	July 2018 Average Parcel Size (ML) ⁴	Broker spread (Buy/Sell)
SA Murray 3A	\$3,800	\$3,800	4	66	16.60	\$3,800 - \$4,000
Vic Murray above the Choke HRWS ⁶	\$3,035	\$3,300	19	2,128	111.99	\$3,350 - \$3,500
Vic Murray above the Choke LRWS ⁶	\$457	\$500	13	832	63.98	\$400 - \$550
Vic Murray below the Choke HRWS ⁷	\$3,795	\$4,100	81	1,884	23.26	\$3,785 - \$4,150
Vic Murray below the Choke LRWS ⁷	\$550	\$645	23	1,081	47.02	\$400 - \$600
Vic Greater Goulburn HRWS ⁸	\$3,201	\$3,500	82	2,262	27.58	\$3,350 - \$3,450
Vic Greater Goulburn LRWS ⁸	\$467	\$600	34	3,732	109.78	\$400 - \$500
Vic Campaspe HRWS ⁹	-	-	-	-	-	\$3,150 - \$3,150
Vic Campaspe LRWS ⁹	-	-	-	-	-	-
Vic Loddon HRWS ¹⁰	\$2,500	\$2,500	2	40	20	-
Vic Loddon LRWS ¹⁰	\$250	\$250	3	20	6.67	-
NSW Murray HS	\$4,041	\$4,575	4	41	10.15	\$4,700 - \$4,950
NSW Murray GS	\$1,604	\$1,697	5	1,084	216.72	\$1,800 - \$1,900
NSW Murray Irrigation Limited GS ⁵	\$1,604	\$1,697	12	2,730	227.50	\$1,500 - \$1,500
NSW Murrumbidgee HS	\$4,821	\$5,100	3	34	11.33	\$5,000 - \$5,100
NSW Murrumbidgee GS	\$2,098	\$2,350	8	6,165	770.63	\$2,100 - \$2,150
NSW Lower Darling HS	-	-	-	-	-	-
NSW Lower Darling GS	-	-	-	-	-	-

Note: VWAPs are based on estimates of commercial trades as outlined in Aither's methodology excluding \$0 value transfers (see notes).

Note: 'Number of Transfers' and 'Volume of Transfers (ML)' incorporate all transfers in the Aither Water Markets Database including \$0 value transfers.

NORTHERN MURRAY–DARLING BASIN

Table 2 Northern Murray–Darling Basin trade statistics

Entitlement Market	July 2018 VWAP (\$/ML) ^{1,2}	July 2018 Maximum Price (\$/ML) ²	July 2018 Number of Transfers ³	July 2018 Volume of Transfers (ML) ³	July 2018 Average Parcel Size (ML) ⁴	Broker spread (Buy/Sell)
NSW Macquarie GS	\$1,300	\$1,300	1	36	36	\$1,250 - \$1,380
NSW Namoi GS ¹¹	-	-	-	-	-	-
NSW Gwydir GS	-	-	-	-	-	-
NSW Border Rivers GS ¹²	-	-	-	-	-	-
NSW Barwon Darling Unregulated ¹³	-	-	-	-	-	-
NSW Lachlan GS	\$858	\$870	4	596	149	\$900 - \$1,000
QLD Condamine-Balonne (St George) Supplemented	-	-	-	-	-	-
QLD Lower Balonne Overland flow	-	-	-	-	-	-
QLD Condamine Balonne Unsupplemented	-	-	-	-	-	-
QLD Condamine Groundwater ¹⁴	-	-	-	-	-	-
QLD Border Rivers Supplemented	-	-	-	-	-	-
QLD Border Rivers Unsupplemented	-	-	-	-	-	-

Note: VWAPs are based on estimates of commercial trades as outlined in Aither's methodology excluding \$0 value transfers (see notes).

Note: 'Number of Transfers' and 'Volume of Transfers (ML)' incorporate all transfers in the Aither Water Markets Database including \$0 value transfers.

Notes

- 1) This monthly Volume Weight Average Price (VWAP) has been calculated in line with Aither's calculation methodology which is available upon request.
- 2) Only trades reported in July 2018 are included in this calculation.
- 3) The 'Number of Transfers and 'Volume of Transfers' (ML) are calculated based on all trades from state water market registers, including \$0 value trades. This is in line with Aither's calculation methodology which is available upon request.
- 4) This figure has been determined by taking the total monthly volume of transfers and dividing by the total number of transfers of the given entitlement during the month in question.
- 5) As trade prices within NSW Murray Irrigation GS are not reported Aither has presented NSW Murray GS on river prices instead given the common characteristics that these entitlements share.
- 6) Vic Murray Above the Choke is Vic 6 Murray (Dart to Barmah).
- 7) Vic Murray Below the Choke is an aggregation of the following HRWS and LRWS entitlement types: Vic 7 Murray and Vic 6B Lower Broken Creek.
- 8) Vic Greater Goulburn is an aggregation of the following HRWS and LRWS entitlement types: Vic 1A Greater Goulburn, Vic 1B Boort and Vic 3 Lower Goulburn.
- 9) Vic Campaspe is an aggregation of the following HRWS and LRWS entitlement types: Vic 4A Campaspe and Vic 4C Lower Campaspe.
- 10) Vic Loddon is an aggregation of the following HRWS and LRWS entitlement types: Vic 5A Loddon and Vic 5B Bullarook.
- 11) NSW Namoi GS is an aggregation of the following HS and GS entitlements: NSW Lower Namoi GS and NSW Upper Namoi GS.
- 12) NSW Border Rivers is an aggregation of the following GS entitlements: NSW Border Rivers GS A and NSW Border Rivers GS B.
- 13) NSW Barwon Darling Unregulated is an aggregation of the following entitlements: NSW Barwon-Darling Unregulated A, NSW Barwon-Darling Unregulated B and NSW Barwon-Darling Unregulated C.
- 14) QLD Condamine Groundwater is an aggregation of the following entitlements: QLD Central Condamine Alluvium Groundwater (1, 2, 3, and 4), QLD Upper Condamine Alluvium Groundwater (Dalrymple Creek) Groundwater and QLD Upper Condamine Alluvium Groundwater (Oakey Creek) Groundwater.

Document history

Background

Aither Pty Ltd was engaged in June 2018 by the Australian Government Department of Agriculture and Water Resources to provide price information on water entitlements across the Murray–Darling Basin. This document provides a summary overview of this data.

A more detailed report can be found at the Department's website (<http://www.agriculture.gov.au/water/markets/market-price-information>).

For information on this report:

Please contact: Chris Olszak
Email: watermarkets@aither.com.au

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Author/s	Kai Wakerman Powell and Alexander Dunn
Checked	Kai Wakerman Powell
Approved	Chris Olszak

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