



New South Wales

Water Sharing Plan for the NSW Murray Darling Basin Fractured Rock Groundwater Sources Amendment Order 2021

under the

Water Management Act 2000

I, Melinda Pavey, Minister for Water, Property and Housing, in pursuance of section 45 (1) of the *Water Management Act 2000*, make the following Order to amend the *Water Sharing Plan for the NSW Murray Darling Basin Fractured Rock Groundwater Sources 2020*.

Dated 30 November 2021.

MELINDA PAVEY, MP
Minister for Water, Property and Housing

Explanatory note

This Order is made under section 45 (1) of the *Water Management Act 2000*. The object of this Order is to amend the *Water Sharing Plan for the NSW Murray Darling Basin Fractured Rock Groundwater Sources 2020*. The concurrence of the Minister for Energy and Environment was obtained prior to the making of this Order as required under section 45 (3) of the *Water Management Act 2000*.

Water Sharing Plan for the NSW Murray Darling Basin Fractured Rock Groundwater Sources Amendment Order 2021

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1 Name of Order

This Order is the *Water Sharing Plan for the NSW Murray Darling Basin Fractured Rock Groundwater Sources Amendment Order 2021*.

2 Commencement

This Order commences on the day on which it is published on the NSW legislation website.

Schedule 1 **Amendment of *Water Sharing Plan for the NSW Murray Darling Basin Fractured Rock Groundwater Sources 2020***

[1] **Clause 4 Application of Plan**

Omit subclause (2) and notes. Insert instead:

- (2) The boundaries of the groundwater sources are shown on the *Plan Map (WSP012_Version 3), Water Sharing Plan for the NSW Murray Darling Basin Fractured Rock Groundwater Sources 2020 (the Plan Map)*, held by the Department.

Notes.

- 1 The Plan Map shows the extent of the groundwater sources. The extent of the groundwater sources below the surface of the ground is described in subclauses (3) to (13).
- 2 The Plan Map is part of this Plan and is available on the NSW legislation website. An overview of the Plan Map is shown in Appendix 1.

[2] **Clause 4 (16) and Note**

Omit the subclause and notes. Insert instead:

- (16) The New England Fold Belt MDB Groundwater Source does not include water contained within the Inverell Basalt Groundwater Source.

Notes.

- 1 Buried fractured rock groundwater sources underlie other rock type aquifers. Bores drilled through overlying unconsolidated alluvial sediments or porous rock sediments may still be drawing water from fractured rock groundwater sources. Although it may appear on the Plan Map that these bores are outside the groundwater source boundary, they may be drawing water from fractured rock aquifers and be subject to the provisions of this Plan.
- 2 **Fractured rock, unconsolidated alluvial sediments** and **porous rock** are defined in the Dictionary.

[3] **Clause 4 (17) and Note**

Omit the subclause and notes. Insert instead:

- (17) The high priority groundwater-dependent ecosystems for the purposes of this Plan are:
- (a) shown on the *High Priority Groundwater-Dependent Ecosystem Map (GDE024_Version 2), Water Sharing Plan for the NSW Murray Darling Basin Fractured Rock Groundwater Sources 2020 (the High Priority Groundwater-Dependent Ecosystem Map)*, held by the Department, or

- (b) identified in Schedule 2, or
- (c) any escarpment, within the boundaries of the groundwater sources, that is determined by the Minister to be a high priority groundwater-dependent ecosystem.

Notes.

- 1 **Escarpment, groundwater-dependent ecosystem** and **high priority groundwater-dependent ecosystems** are defined in the Dictionary.
- 2 The High Priority Groundwater-Dependent Ecosystem Map is part of this Plan and is available on the NSW legislation website. An overview of the High Priority Groundwater-Dependent Ecosystem Map is shown in Appendix 2.

[4] Schedule 2 High priority groundwater-dependent ecosystems

Omit the Schedule. Insert instead:

Schedule 2 High Priority groundwater-dependent ecosystems

Table A—High priority groundwater-dependent ecosystems

Relevant Groundwater Source	High priority groundwater-dependent ecosystem	GDE Type	Approximate Latitude -Decimal degrees (South)	Approximate Longitude - Decimal degrees (East)
Adelaide Fold Belt MDB Groundwater Source	Mulga Springs	Spring	-31.84	141.6594
Lachlan Fold Belt MDB	O'Hares Creek	Wetland	-34.238	150.874
Lachlan Fold Belt MDB Groundwater Source	Baileys Springs	Spring	-32.34	149.6678
Lachlan Fold Belt MDB Groundwater Source	Bedlam Spring	Spring	-35.7817	149.2178
Lachlan Fold Belt MDB Groundwater Source	Belmont Spring	Spring	-33.915	148.3178
Lachlan Fold Belt MDB Groundwater Source	Big Springs	Spring	-35.315	147.4178
Lachlan Fold Belt MDB Groundwater Source	Black Hill Spring	Spring	-33.7567	149.1428
Lachlan Fold Belt MDB Groundwater Source	Black Springs	Spring	-34.04	148.7511
Lachlan Fold Belt MDB Groundwater Source	Black Springs	Spring	-34.3317	149.0761
Lachlan Fold Belt MDB Groundwater Source	Black Springs	Spring	-34.215	149.7011
Lachlan Fold Belt MDB Groundwater Source	Blue Springs	Spring	-32.2483	149.6011
Lachlan Fold Belt MDB Groundwater Source	Bocannecals Springs	Spring	-34.14	149.1011
Lachlan Fold Belt MDB Groundwater Source	Bogong Swamp	Wetland	-36.165	148.3558
Lachlan Fold Belt MDB Groundwater Source	Brundah Springs	Spring	-33.8817	148.3011

Lachlan Fold Belt MDB Groundwater Source	Budgerydickeys Springs	Spring	-33.0317	148.7011
Lachlan Fold Belt MDB Groundwater Source	Burras Springs	Spring	-32.3067	149.6178
Lachlan Fold Belt MDB Groundwater Source	Burrows Spring	Spring	-32.2983	149.6344
Lachlan Fold Belt MDB Groundwater Source	Cartwrights Spring	Spring	-34.165	147.4844
Lachlan Fold Belt MDB Groundwater Source	Cherry Tree Springs	Spring	-34.5483	149.4178
Lachlan Fold Belt MDB Groundwater Source	Chinamans Spring	Spring	-33.7983	146.2344
Lachlan Fold Belt MDB Groundwater Source	Conapaira Spring	Spring	-33.7983	146.2344
Lachlan Fold Belt MDB Groundwater Source	Coopers Swamp	Wetland	-35.9317	149.4744
Lachlan Fold Belt MDB Groundwater Source	Currys Springs	Spring	-33.8317	149.9678
Lachlan Fold Belt MDB Groundwater Source	Dawsons Spring	Spring	-36.3317	149.0844
Lachlan Fold Belt MDB Groundwater Source	Dilladerry Spring	Spring	-32.565	148.4344
Lachlan Fold Belt MDB Groundwater Source	Dwyers Springs	Spring	-34.065	148.6844
Lachlan Fold Belt MDB Groundwater Source	Emu Swamp	Wetland	-32.9817	148.4914
Lachlan Fold Belt MDB Groundwater Source	Finchs Springs	Spring	-32.7817	148.8678
Lachlan Fold Belt MDB Groundwater Source	Hill Dyke Spring	Spring	-35.765	149.1511
Lachlan Fold Belt MDB Groundwater Source	Hyandra Hill	Spring	-32.3817	148.4344
Lachlan Fold Belt MDB Groundwater Source	Icely Spring	Spring	-33.8483	148.8678
Lachlan Fold Belt MDB Groundwater Source	Indi Springs	Spring	-36.7958	148.1947
Lachlan Fold Belt MDB Groundwater Source	Jacko Springs	Spring	-33.8817	148.3344
Lachlan Fold Belt MDB Groundwater Source	Jacobs Well	Spring	-33.0983	148.7178
Lachlan Fold Belt MDB Groundwater Source	Kellys Creek Springs	Spring	-33.9317	148.3844
Lachlan Fold Belt MDB Groundwater Source	Lamberts Springs	Spring	-33.265	148.3511
Lachlan Fold Belt MDB Groundwater Source	Leachs Springs	Spring	-34.5817	149.4344
Lachlan Fold Belt MDB Groundwater Source	Meglo Swamp	Wetland	-34.09	149.2881
Lachlan Fold Belt MDB Groundwater Source	Mogongong Spring	Spring	-33.8817	148.3011
Lachlan Fold Belt MDB Groundwater Source	Mogongong Springs	Spring	-33.915	148.3178
Lachlan Fold Belt MDB Groundwater Source	Mont Waters Spring	Spring	-36.2483	148.2344
Lachlan Fold Belt MDB Groundwater Source	Murphys Swamp	Wetland	-35.4483	148.3897

Lachlan Fold Belt MDB Groundwater Source	Old Mortray Springs	Spring	-33.765	148.0511
Lachlan Fold Belt MDB Groundwater Source	Peppers Swamp	Wetland	-36.0317	149.5253
Lachlan Fold Belt MDB Groundwater Source	Pine Spring	Spring	-32.715	149.1344
Lachlan Fold Belt MDB Groundwater Source	Pulpulla Spring	Spring	-31.1317	145.2344
Lachlan Fold Belt MDB Groundwater Source	Rankin Springs	Spring	-33.2983	146.7844
Lachlan Fold Belt MDB Groundwater Source	Rankins Spring	Spring	-33.7983	146.2344
Lachlan Fold Belt MDB Groundwater Source	Rotten Swamp	Wetland	-34.1817	149.8981
Lachlan Fold Belt MDB Groundwater Source	Sauls Spring	Spring	-33.7817	147.8678
Lachlan Fold Belt MDB Groundwater Source	Stains Springs	Spring	-34.565	149.4344
Lachlan Fold Belt MDB Groundwater Source	Sullivans Springs	Spring	-34.0817	148.8344
Lachlan Fold Belt MDB Groundwater Source	Swatchfield Springs	Spring	-34.0317	149.6344
Lachlan Fold Belt MDB Groundwater Source	Teatree Springs	Spring	-34.5483	149.3344
Lachlan Fold Belt MDB Groundwater Source	The Black Springs	Spring	-34.415	149.5678
Lachlan Fold Belt MDB Groundwater Source	The Springs	Spring	-34.6317	147.9511
Lachlan Fold Belt MDB Groundwater Source	The Springs	Spring	-34.2733	149.8178
Lachlan Fold Belt MDB Groundwater Source	The Springs	Spring	-33.4817	149.5178
Lachlan Fold Belt MDB Groundwater Source	Thurrima Springs	Spring	-34.4317	149.5344
Lachlan Fold Belt MDB Groundwater Source	Towan Dirt Holes	Spring	-32.965	148.6511
Lachlan Fold Belt MDB Groundwater Source	Turkey Springs	Spring	-35.465	147.4344
Lachlan Fold Belt MDB Groundwater Source	Turners Springs	Spring	-34.5317	149.3761
Lachlan Fold Belt MDB Groundwater Source	Warm Spring	Spring	-35.7317	148.4844
Lachlan Fold Belt MDB Groundwater Source	Webbs Springs	Spring	-34.565	148.1011
Lachlan Fold Belt MDB Groundwater Source	Yewrangara Springs	Spring	-34.0817	149.0261
Liverpool Ranges Basalt MDB Groundwater Source	Chinamans Swamp	Wetland	-31.765	150.0339
Liverpool Ranges Basalt MDB Groundwater Source	Norfolk Island Swamp	Wetland	-31.7483	150.0339
New England Fold Belt Groundwater Source MDB	Three Sugarloaf Swamp	Wetland	-29.265	151.7117

New England Fold Belt MDB Groundwater Source	Black Spring	Spring	-30.7317	151.0011
New England Fold Belt MDB Groundwater Source	Black Spring	Spring	-31.5483	150.7344
New England Fold Belt MDB Groundwater Source	Dawsons Springs	Spring	-30.2817	150.1678
New England Fold Belt MDB Groundwater Source	Deadbird Spring	Spring	-29.8983	151.1178
New England Fold Belt MDB Groundwater Source	Euglah Spring	Spring	-30.2983	150.1511
New England Fold Belt MDB Groundwater Source	Gibraltar Springs	Spring	-29.1317	151.7178
New England Fold Belt MDB Groundwater Source	Jokers Spring	Spring	-30.315	150.1678
New England Fold Belt MDB Groundwater Source	Porters Camp Spring	Spring	-31.0817	150.6011
New England Fold Belt MDB Groundwater Source	Wyndhams Springs	Spring	-29.6317	151.2844
Orange Basalt Groundwater Source	Battyle Browns Springs	Spring	-33.265	148.9678
Peel Fractured Rock Water Source	Black Spring	Spring	-31.2650	151.2428
Peel Fractured Rock Water Source	Black Springs	Spring	-30.9983	151.0344
Peel Fractured Rock Water Source	Bundys Spring	Spring	-31.0483	150.9511
Peel Fractured Rock Water Source	Jacks Camp Spring	Spring	-31.0650	150.6344
Warrumbungle Basalt Groundwater Source	Ados Spring	Spring	-31.3317	148.8678
Warrumbungle Basalt Groundwater Source	Belougerrie Spring	Spring	-31.2817	149.0011
Warrumbungle Basalt Groundwater Source	Booroonbunyah Spring	Spring	-31.415	148.9678
Warrumbungle Basalt Groundwater Source	Burbie Spring	Spring	-31.2983	148.9511
Warrumbungle Basalt Groundwater Source	Gunntanna Spring	Spring	-31.315	148.8344
Warrumbungle Basalt Groundwater Source	Jerrys Spring	Spring	-31.2983	149.1178
Warrumbungle Basalt Groundwater Source	Maman or Wattle Spring	Spring	-31.3817	148.9344
Warrumbungle Basalt Groundwater Source	Monkeybung Spring	Spring	-31.315	148.8511
Warrumbungle Basalt Groundwater Source	Munkerbung Spring	Spring	-31.315	148.8511
Warrumbungle Basalt Groundwater Source	Naman Spring	Spring	-31.3817	148.9344

Warrumbungle Basalt Groundwater Source	New Spring	Spring	-31.315	148.9344
Warrumbungle Basalt Groundwater Source	Salters Springs	Spring	-31.1483	148.9344
Warrumbungle Basalt Groundwater Source	Sidling Spring	Spring	-31.265	149.0511
Warrumbungle Basalt Groundwater Source	Snake Spring	Spring	-31.315	148.9178
Warrumbungle Basalt Groundwater Source	Tunnel Spring	Spring	-31.315	148.8844
Warrumbungle Basalt Groundwater Source	Wattle Spring	Spring	-31.2317	148.9344

Table B—High priority karst environment groundwater-dependent ecosystems

Groundwater Source	High priority karst environment groundwater-dependent ecosystem	GDE type	Approximate location
Lachlan Fold Belt MDB Groundwater Source	Abercrombie	Karst	2.5 km east of Abercrombie
Lachlan Fold Belt MDB Groundwater Source	Apple Tree Flat	Karst	23 km south-east of Mudgee
Lachlan Fold Belt MDB Groundwater Source	Bakers Swamp	Karst	22 km south of Wellington
Lachlan Fold Belt MDB Groundwater Source	Boduldura	Karst	30 km north-west of Molong
Lachlan Fold Belt MDB Groundwater Source	Browns Creek	Karst	2 km north-east of Browns Creek
Lachlan Fold Belt MDB Groundwater Source	Burrans Burrans	Karst	7.5 km north-west of Wellington
Lachlan Fold Belt MDB Groundwater Source	Canomodine	Karst	16 km north-east of Canowindra
Lachlan Fold Belt MDB Groundwater Source	Canowindra	Karst	12 km north-east of Canowindra
Lachlan Fold Belt MDB Groundwater Source	Cave Flat	Karst	4 km south of Burrinjuck
Lachlan Fold Belt MDB Groundwater Source	Cliefden/Walli	Karst	30 km north-east of Cowra
Lachlan Fold Belt MDB Groundwater Source	Cooimbil	Karst	16 km east of Yarrangobilly
Lachlan Fold Belt MDB Groundwater Source	Cooleman Plain	Karst	7 km north-west of Cooleman
Lachlan Fold Belt MDB Groundwater Source	Cooyal	Karst	16 km south of Ulan
Lachlan Fold Belt MDB Groundwater Source	Copperhania	Karst	4.5 km north-west of Abercrombie
Lachlan Fold Belt MDB Groundwater Source	Cowombat Flat	Karst	58 km south-west of Jindabyne
Lachlan Fold Belt MDB Groundwater Source	Cudgegong	Karst	11 km north-west of Kandos
Lachlan Fold Belt MDB Groundwater Source	Cudgegong West	Karst	16 km north-west of Kandos
Lachlan Fold Belt MDB Groundwater Source	Cumnock	Karst	23 km north-west of Molong
Lachlan Fold Belt MDB Groundwater Source	Dripstone	Karst	12 km south of Wellington
Lachlan Fold Belt MDB Groundwater Source	Duckmaloli	Karst	18 km east of Oberon

Lachlan Fold Belt MDB Groundwater Source	Geurie	Karst	Geurie
Lachlan Fold Belt MDB Groundwater Source	Goodradigbee (Upper)	Karst	45 km east of Tumut
Lachlan Fold Belt MDB Groundwater Source	Indi	Karst	60 km south-west of Jindabyne
Lachlan Fold Belt MDB Groundwater Source	Jeremiah Creek	Karst	10 km south-west of Burrinjuck
Lachlan Fold Belt MDB Groundwater Source	Jounama Creek	Karst	39 km north-east of Tumbarumba
Lachlan Fold Belt MDB Groundwater Source	Kandos	Karst	6 km north-west of Kandos
Lachlan Fold Belt MDB Groundwater Source	Kybean	Karst	25 km south-east of Cooma
Lachlan Fold Belt MDB Groundwater Source	Lake Windamere	Karst	22 km North-west of Kandos
Lachlan Fold Belt MDB Groundwater Source	Limekilns	Karst	22 km north-east of Kelso
Lachlan Fold Belt MDB Groundwater Source	London Bridge	Karst	18.5 km north-west of Captains Flat
Lachlan Fold Belt MDB Groundwater Source	MacPhersons Swamp	Karst	44 km east of Gundagai
Lachlan Fold Belt MDB Groundwater Source	Michelago	Karst	40 km south-west of Captains Flat
Lachlan Fold Belt MDB Groundwater Source	Molong	Karst	3.5 km south of Molong
Lachlan Fold Belt MDB Groundwater Source	Mudgee	Karst	2 km north of Mudgee
Lachlan Fold Belt MDB Groundwater Source	Numeralla	Karst	19 km south-east of Cooma
Lachlan Fold Belt MDB Groundwater Source	Portland	Karst	Portland
Lachlan Fold Belt MDB Groundwater Source	Queens Pinch	Karst	17.5 km south of Mudgee
Lachlan Fold Belt MDB Groundwater Source	Ravine	Karst	15.5 km north of Cabramurra
Lachlan Fold Belt MDB Groundwater Source	Regans Creek	Karst	19 km north-east of Canowindra
Lachlan Fold Belt MDB Groundwater Source	Rock Flat Creek	Karst	8.5 km north-west of Cooma
Lachlan Fold Belt MDB Groundwater Source	Rockley	Karst	26 km west of Oberon
Lachlan Fold Belt MDB Groundwater Source	Rosebrook	Karst	10 km north-east of Cooma
Lachlan Fold Belt MDB Groundwater Source	Rosebrook north	Karst	14 km north-east of Cooma
Lachlan Fold Belt MDB Groundwater Source	Stuart Town Finches Caves	Karst	27 km north-east of Molong
Lachlan Fold Belt MDB Groundwater Source	Taemas	Karst	12 km east of Burrinjuck
Lachlan Fold Belt MDB Groundwater Source	Talmo	Karst	6 km north-west of Burrinjuck
Lachlan Fold Belt MDB Groundwater Source	Tuena	Karst	1.5 km north-west of Tuena
Lachlan Fold Belt MDB Groundwater Source	Tuena East	Karst	4 km north of Tuena
Lachlan Fold Belt MDB Groundwater Source	Warroo/Taemas	Karst	17 km south-west of Yass
Lachlan Fold Belt MDB Groundwater Source	Wee Jasper	Karst	2 km south-west of Wee Jasper
Lachlan Fold Belt MDB Groundwater Source	Wellington	Karst	7.5 km south of Wellington

Lachlan Fold Belt MDB Groundwater Source	Wellington/Molong	Karst	26 km north of Molong
Lachlan Fold Belt MDB Groundwater Source	White Rocks	Karst	4.5 km south-east of Queanbeyan
Lachlan Fold Belt MDB Groundwater Source	Yarrangobilly	Karst	38 km south-east of Batlow
New England Fold Belt MDB Groundwater Source	Ashford	Karst	16.5 km north-west of Ashford
Orange Basalt Groundwater Source	Borenore	Karst	42 km north-east of Canowindra
Orange Basalt Groundwater Source	Bowan Park	Karst	7 km west of Bowan Park
Peel Fractured Rock Water Source	Crawney Pass	Karst	13.5 km south-west of Nundle
Peel Fractured Rock Water Source	Moore Creek	Karst	14 km north-west of Kootingal
Peel Fractured Rock Water Source	Sulcor	Karst	20.5 km south-east of Manilla

