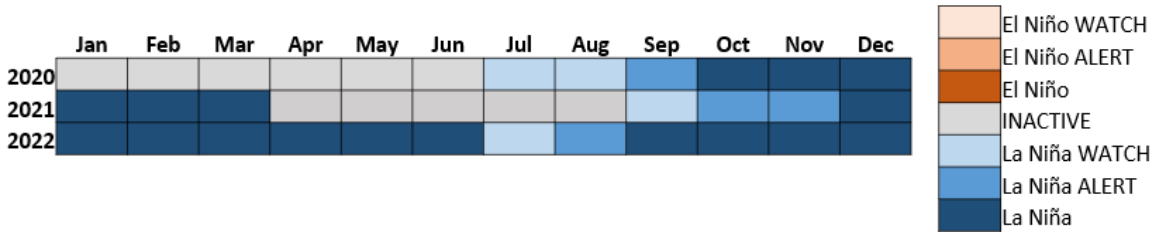


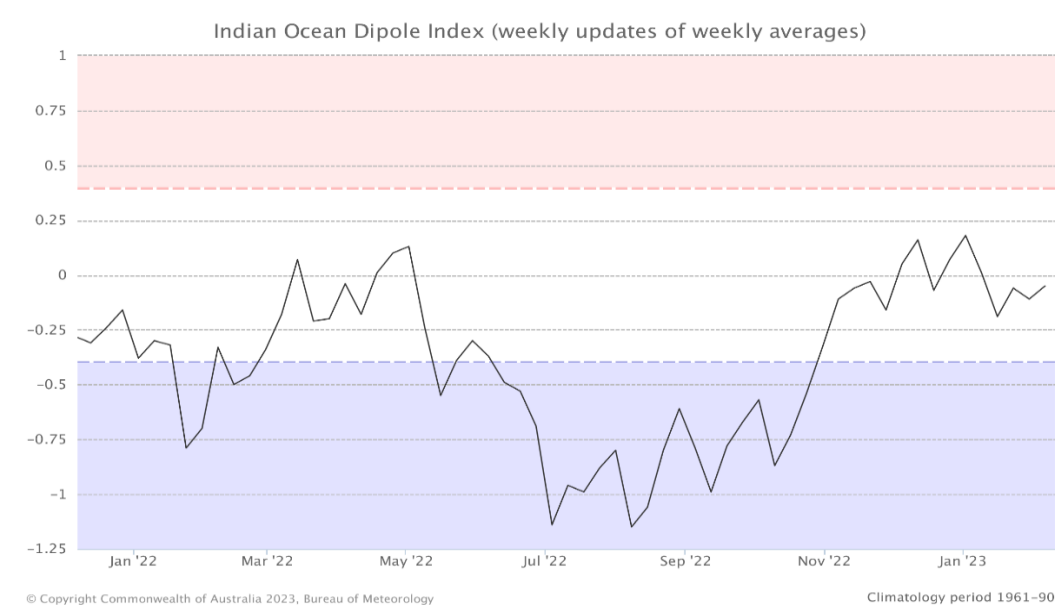


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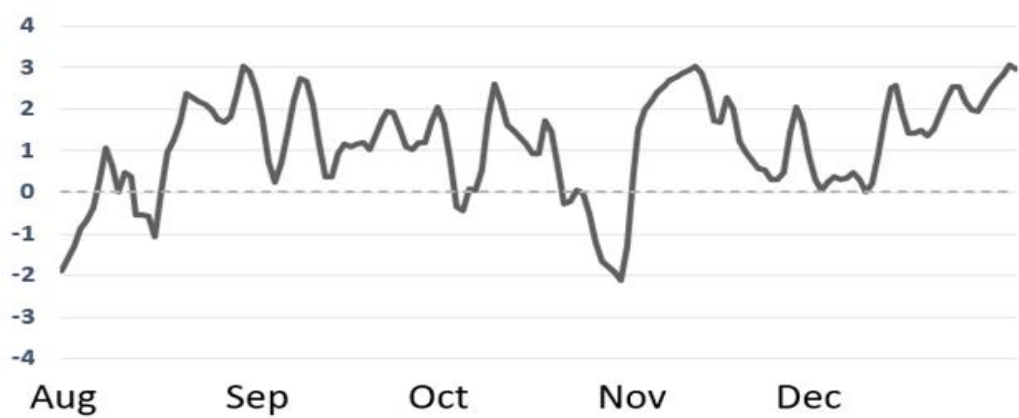
1. Antecedent conditions



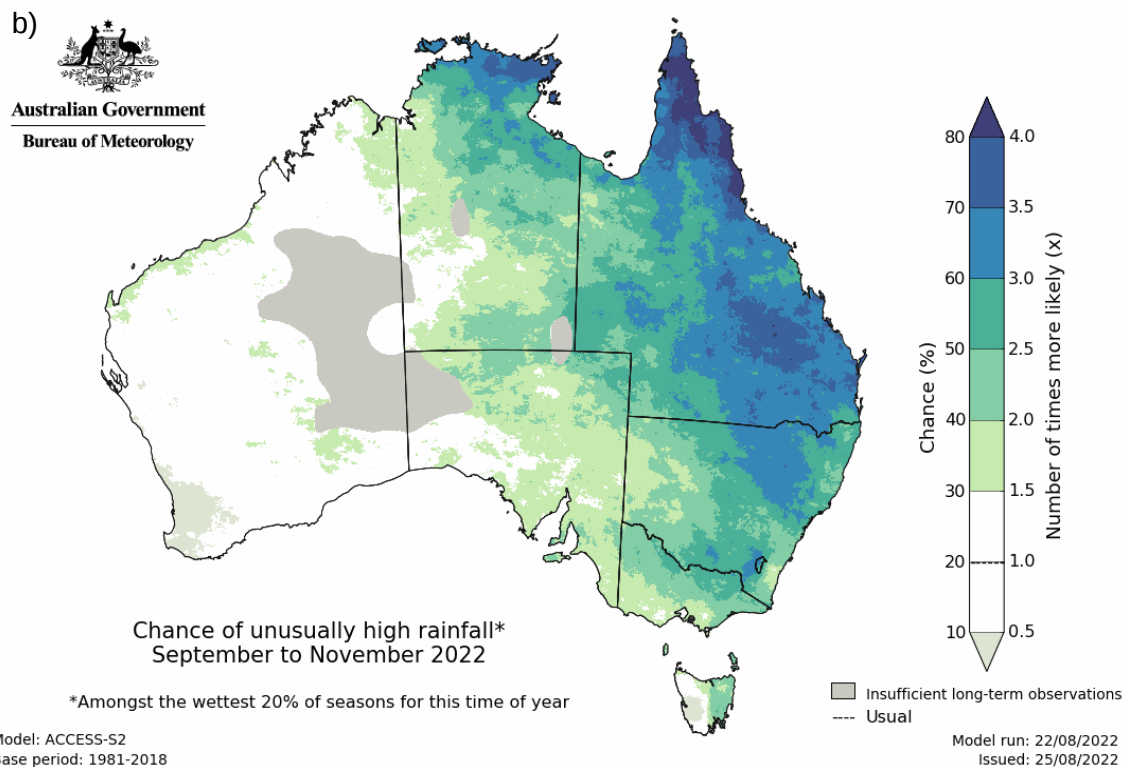
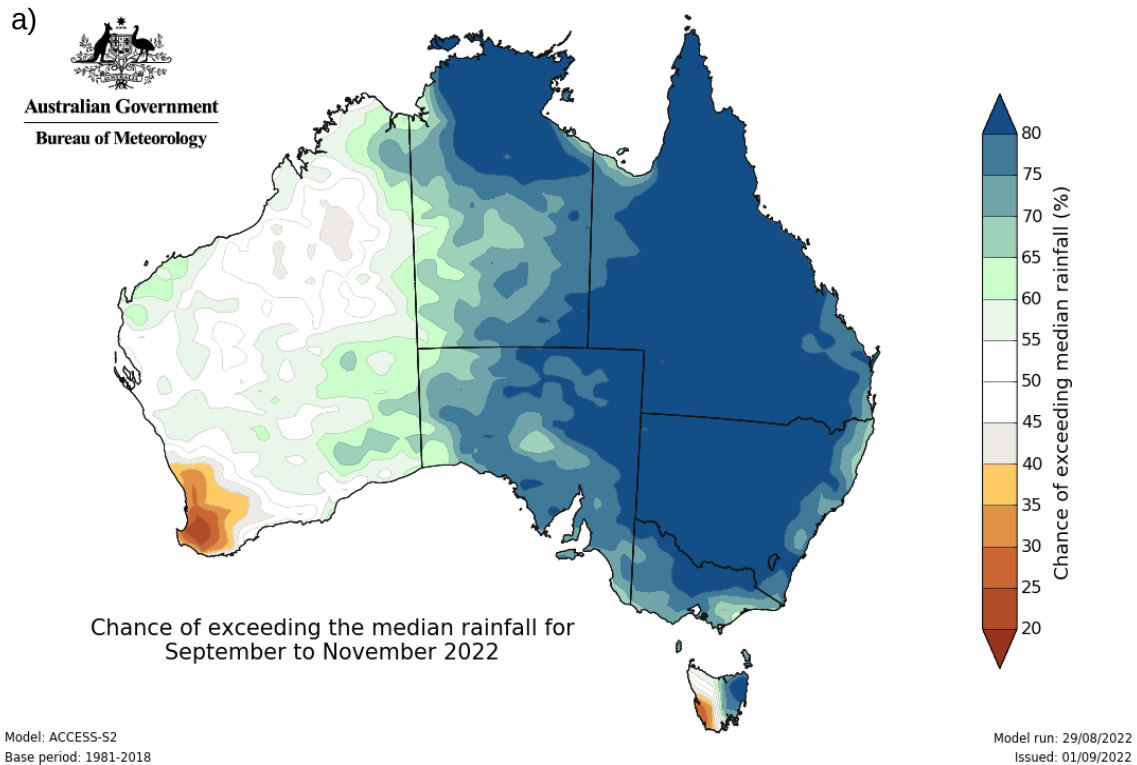
SI Figure 1: Monthly ENSO Outlook status for 2020–22.



SI Figure 2: Weekly Indian Ocean Dipole (IOD) index for 2022, from the Bureau of Meteorology SST dataset.

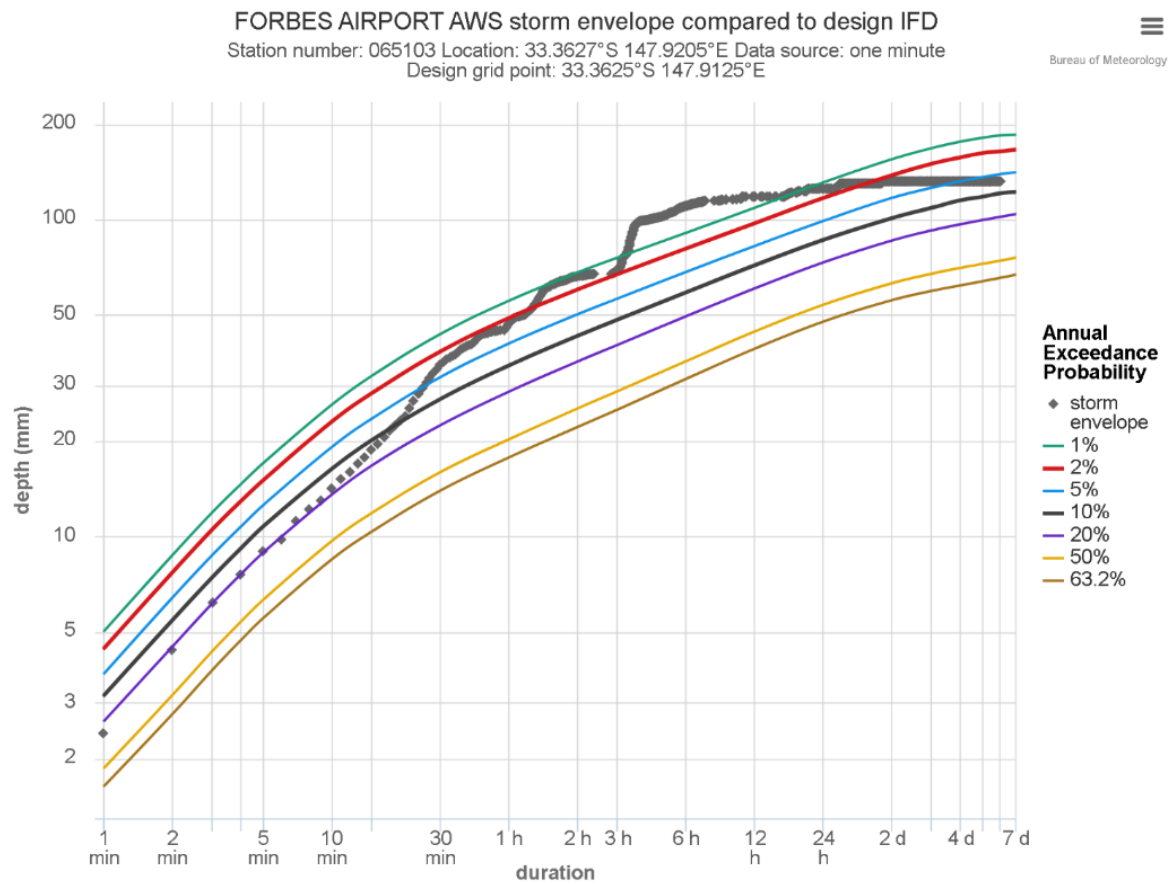


SI Figure 3: Southern Annual Mode (SAM) index for August to December 2022.

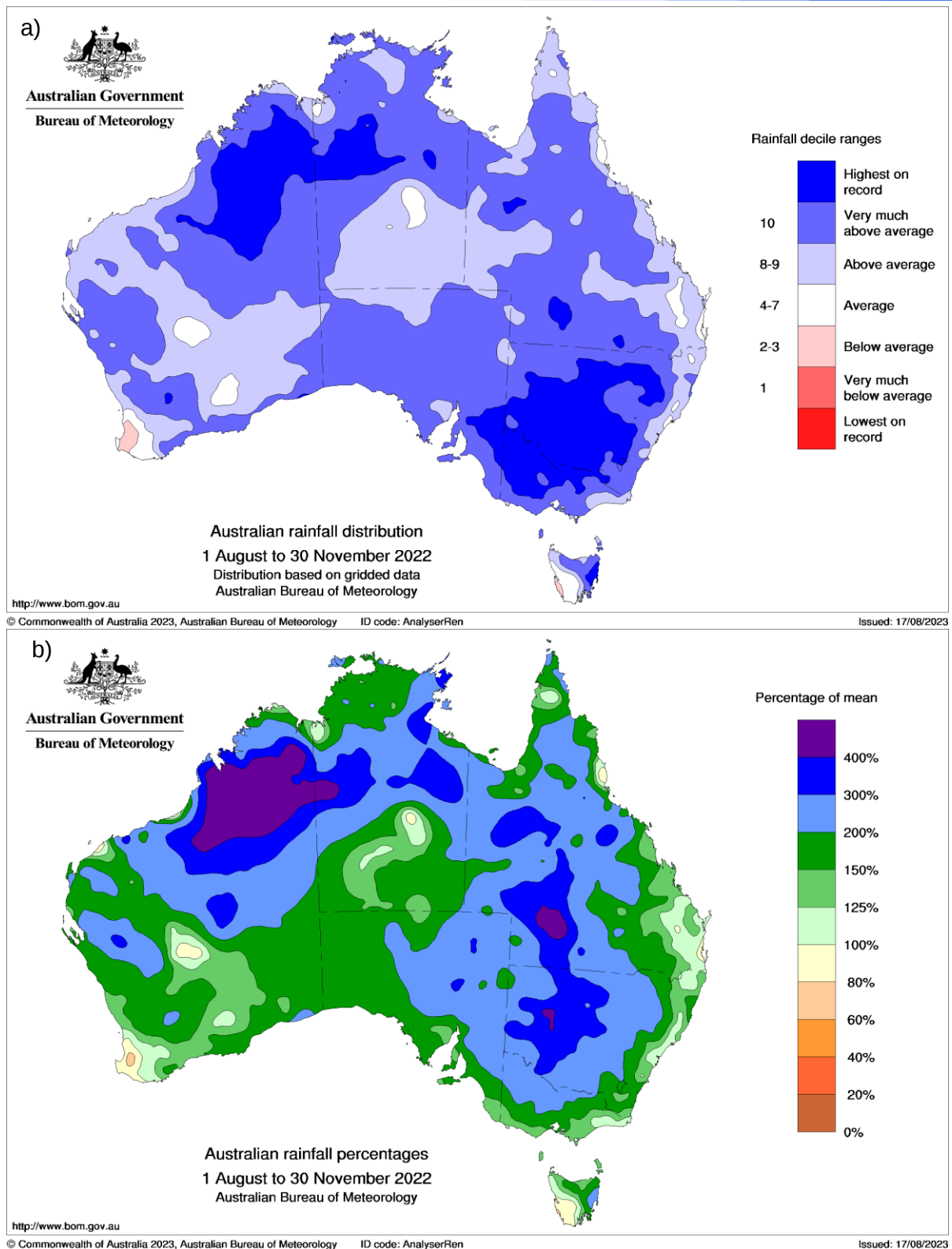


SI Figure 4: For the Bureau ACCESS-S long-range forecast issued on 25 August 2022, a) the chance of above median rainfall (relative to 1981–2018) and b) the chance of unusually wet conditions (highest 20% of all years in 1981–2018)).

2. Rainfall

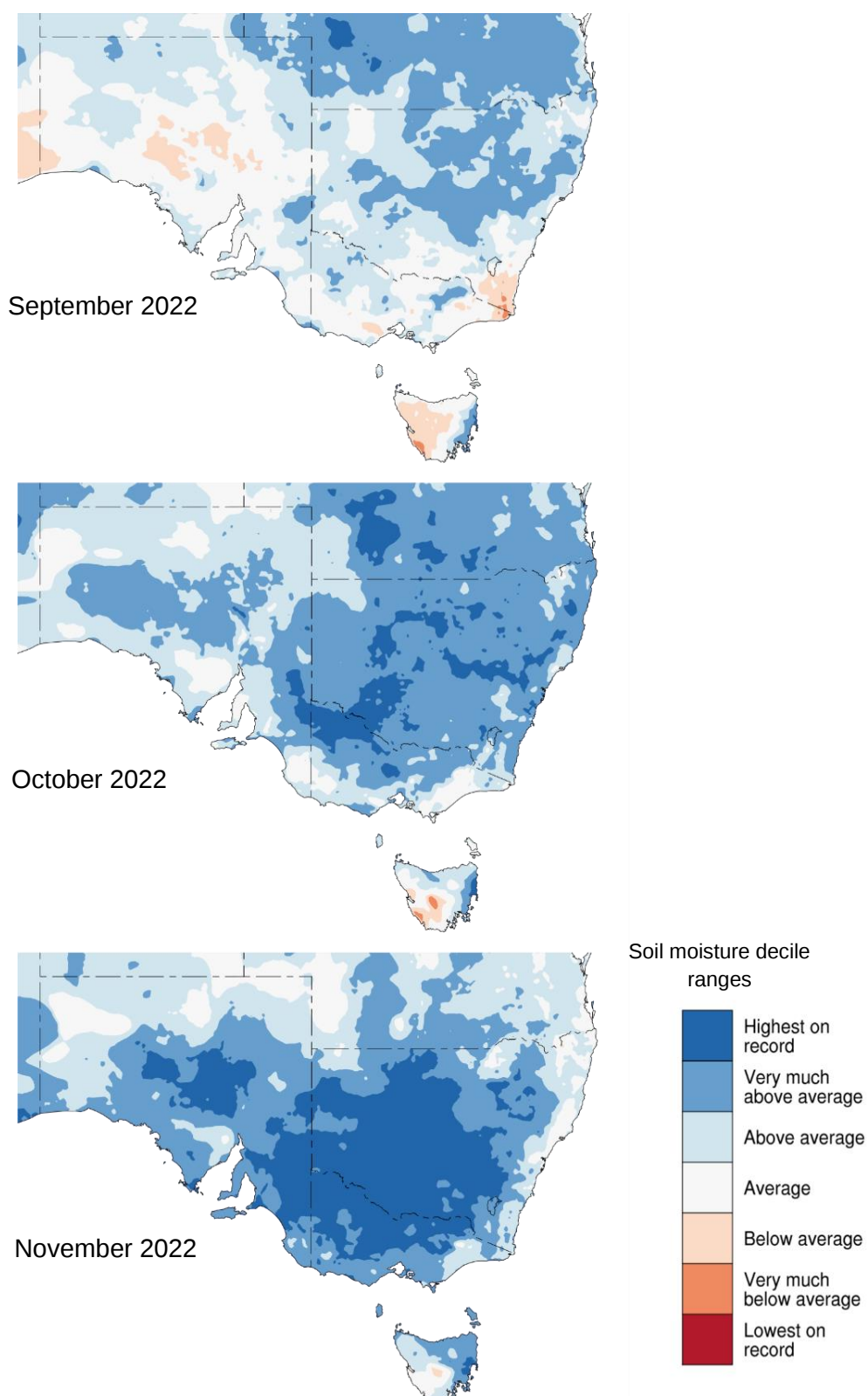


SI Figure 5: The storm envelope at Forbes Airport AWSS for the period 9–15 November 2022 compared to Intensity Frequency Design (IFD) curves.

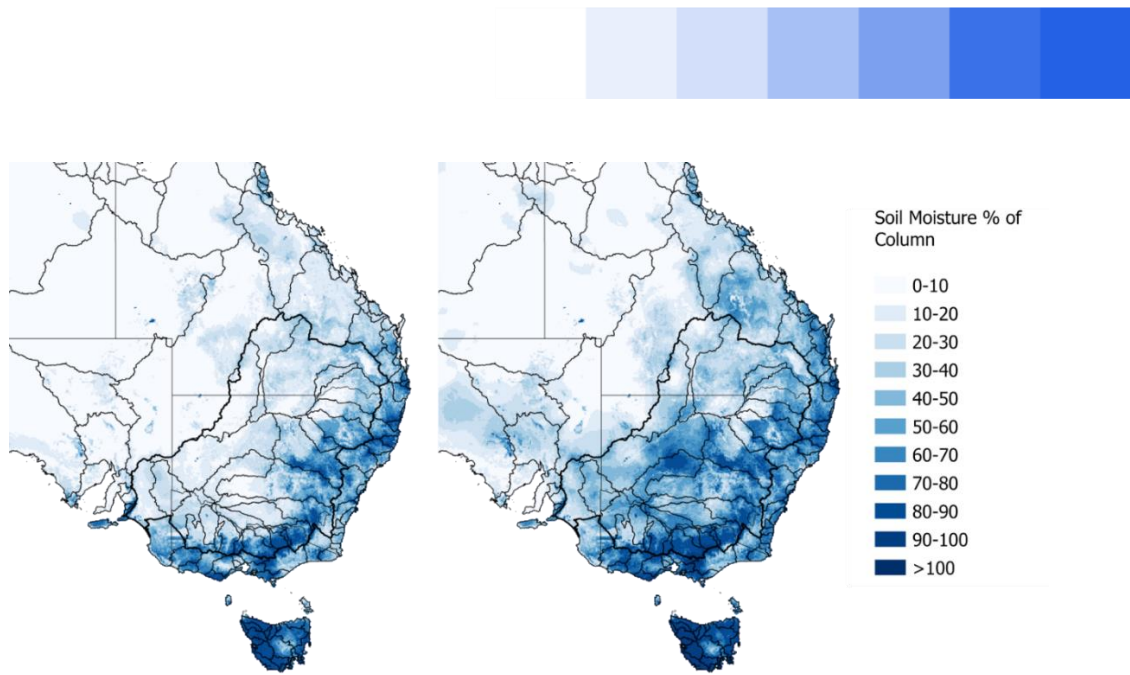


SI Figure 6: For August to November 2022 a) observed rainfall distribution, relative to all years since 1900 and b) total rainfall as a fraction of the 1961–1990 climatological average, multiplied by 100.

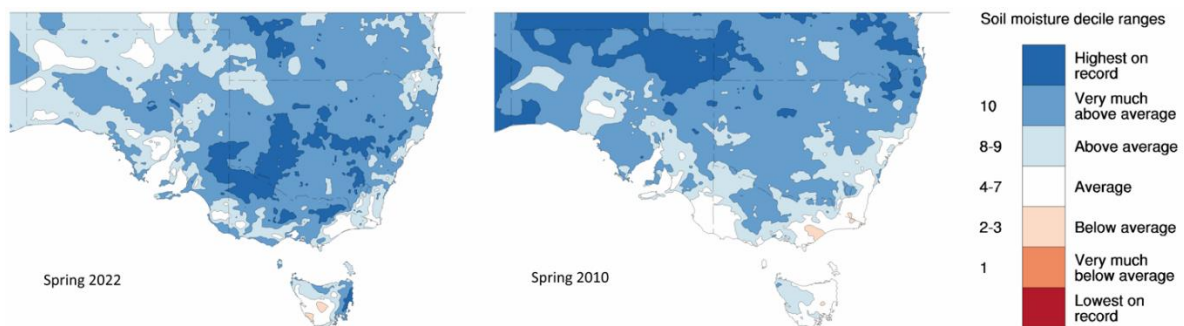
3. Hydrological conditions



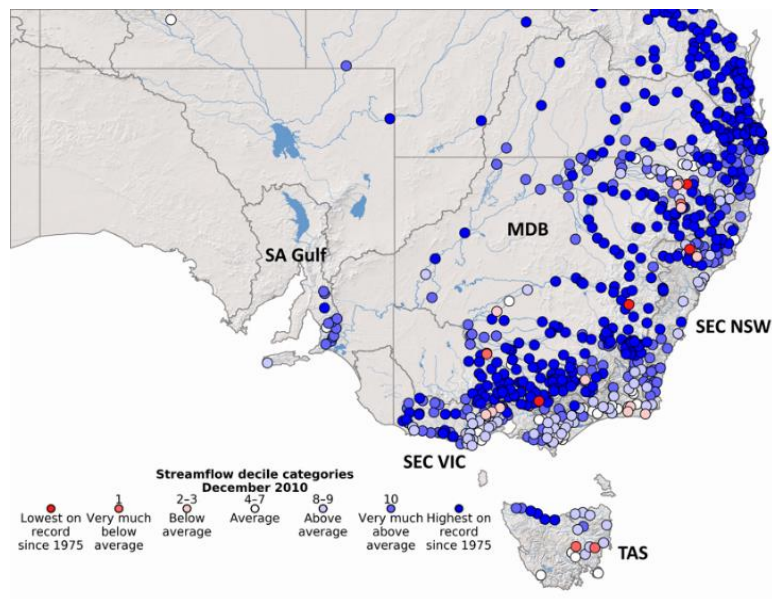
SI Figure 7: Modelled root-zone soil moisture (top 100 cm) distribution, relative to all years since 1911, for September (top), October (middle) and November (bottom) 2022 from the Australian Water Resources Assessment Landscape model (AWRA-L).



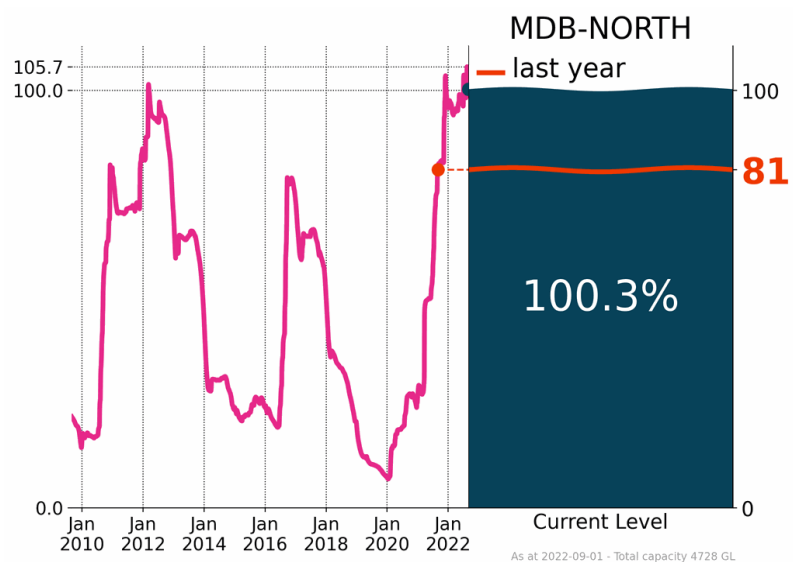
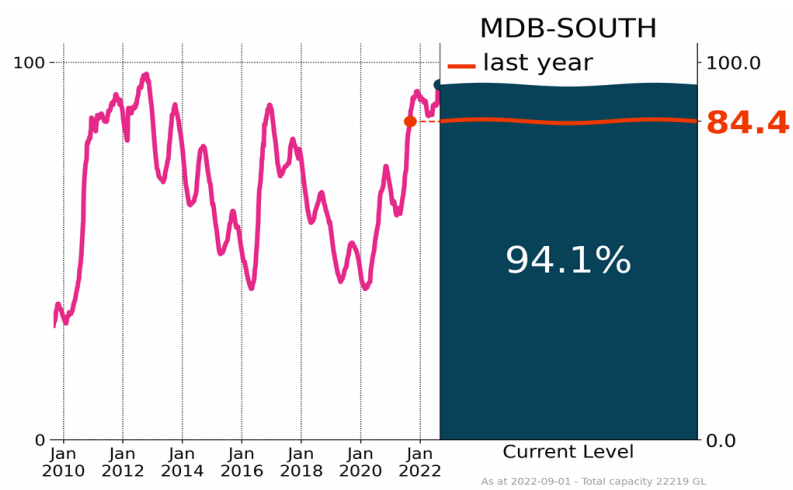
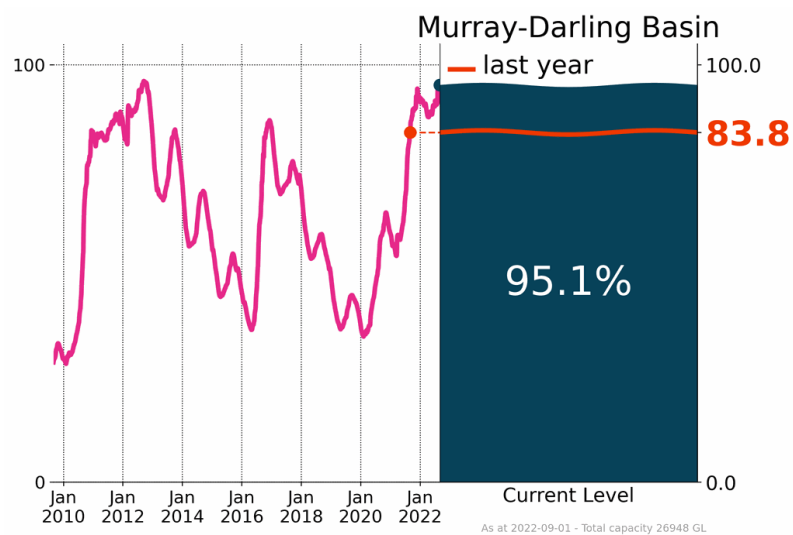
SI Figure 8: Modelled daily root zone soil moisture (top 100 cm) percentage of capacity on 1 October (left) and 29 October (right) 2022 from the Australian Water Resources Assessment Landscape model.



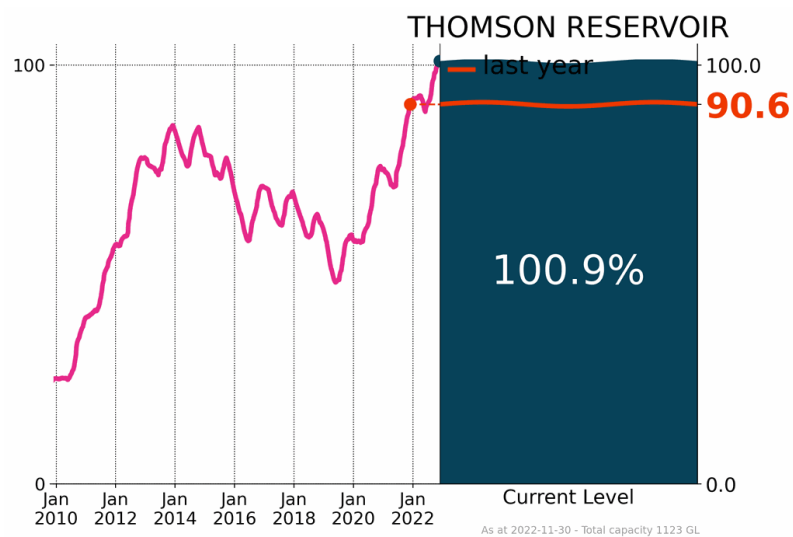
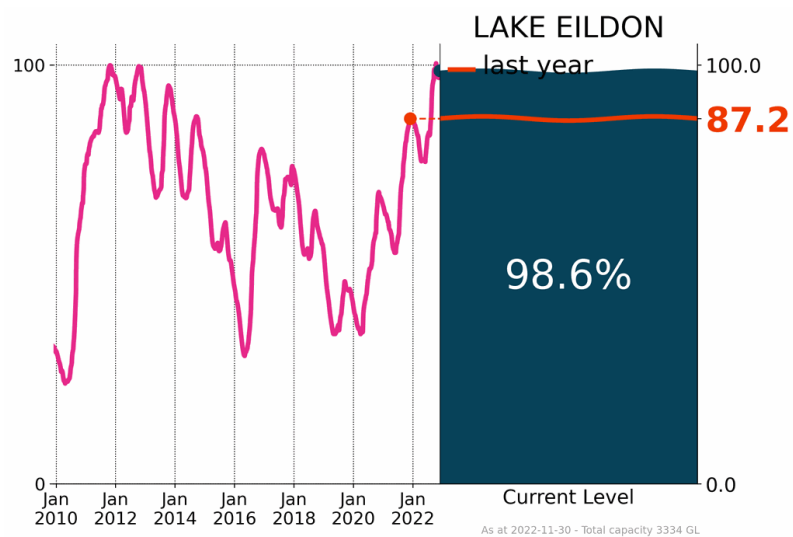
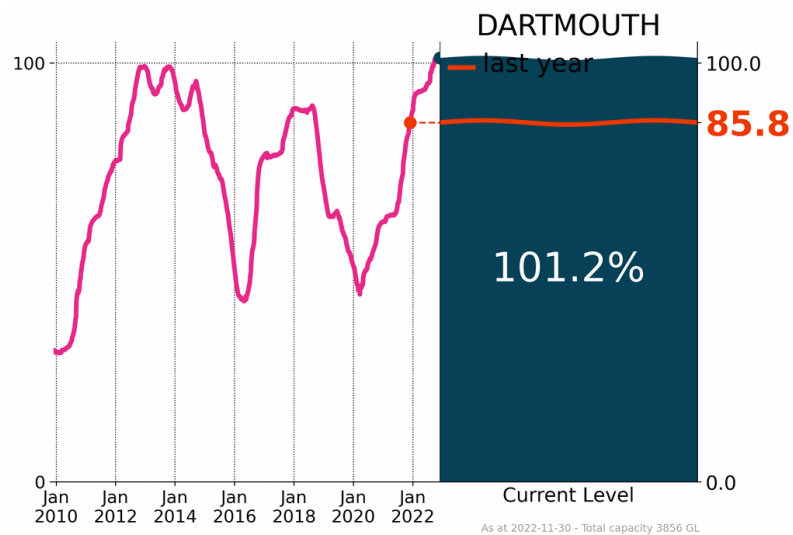
SI Figure 9: Modelled root-zone soil moisture (top 100 cm) distribution, relative to all years since 1911, for spring 2022 (left) and spring 2010 (right) from the Australian Water Resources Assessment Landscape model.



SI Figure 10: Streamflow distribution, relative to all years since 1975, for December 2010.

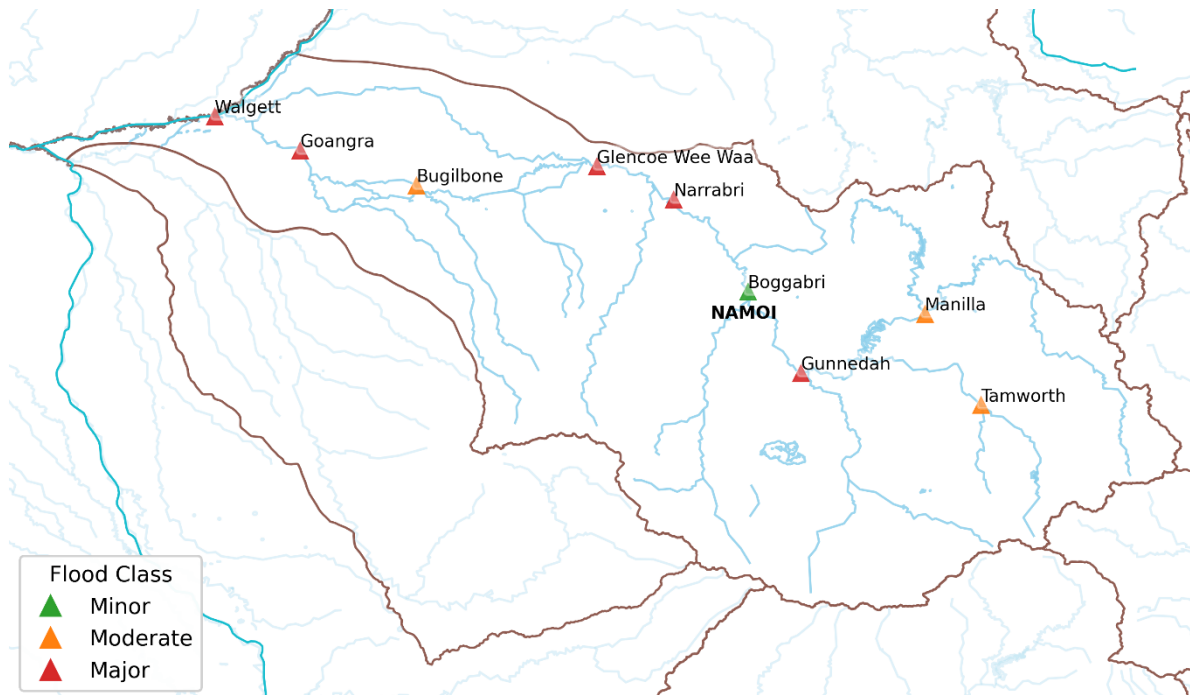


SI Figure 11: Total storage capacity at 1 September 2022 for the Murray–Darling Basin (MDB) overall (top), southern MDB (middle) and northern MDB (bottom).

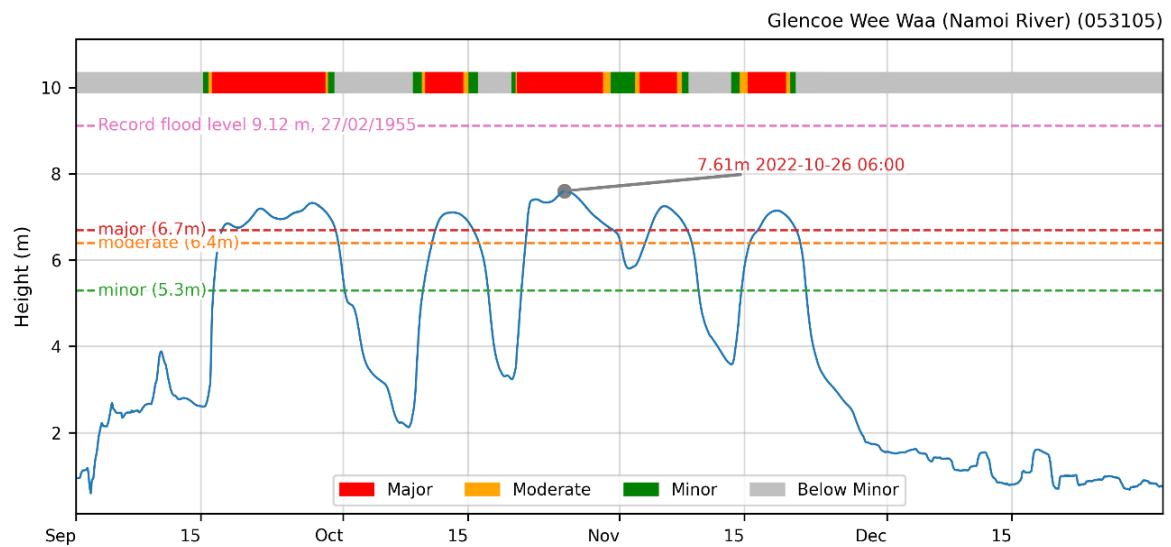


SI Figure 12: Total storage capacity at 30 November 2022 for Dartmouth (top), Lake Eildon (middle) and Thomson Reservoir (bottom).

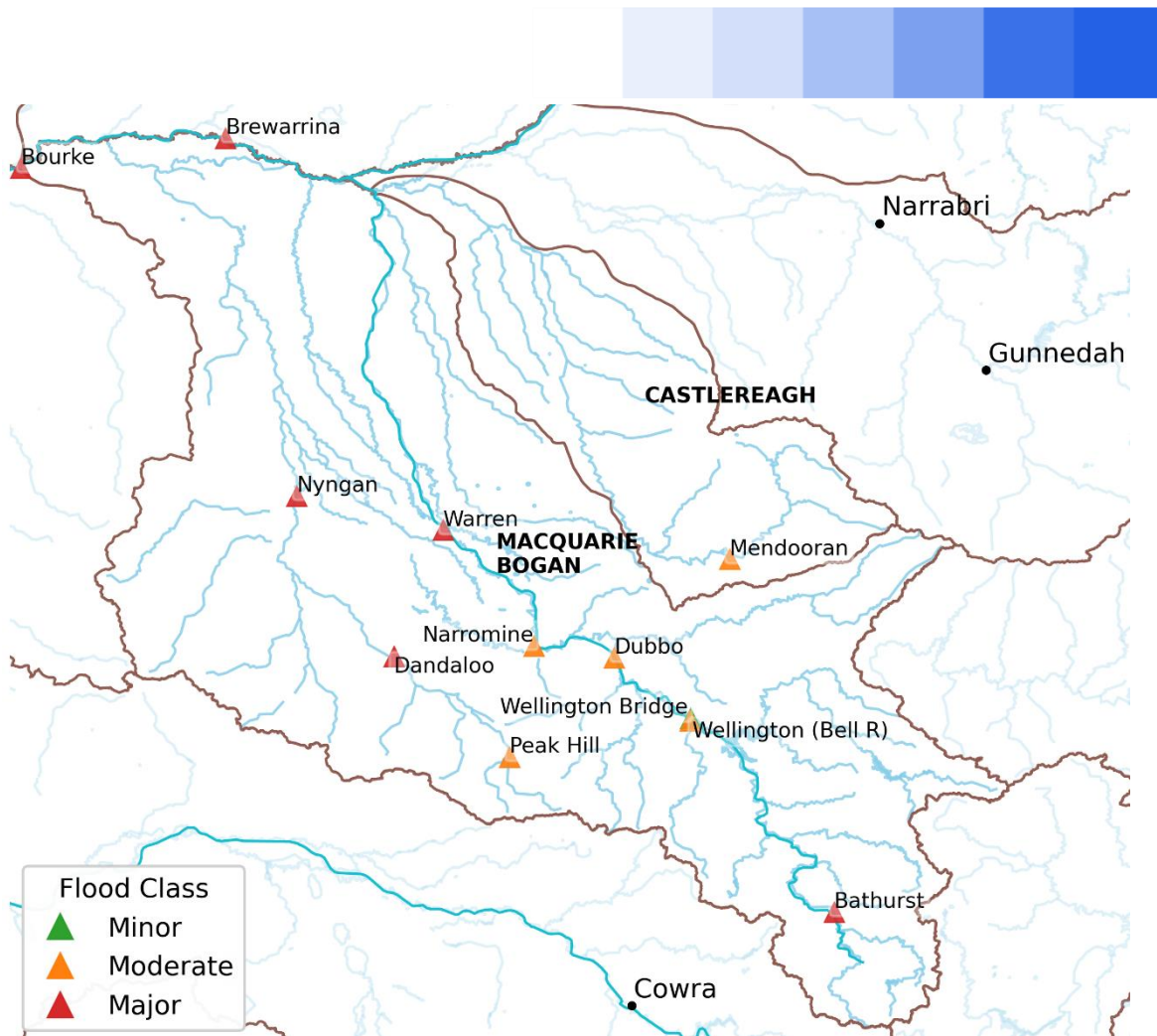
4. Flooding



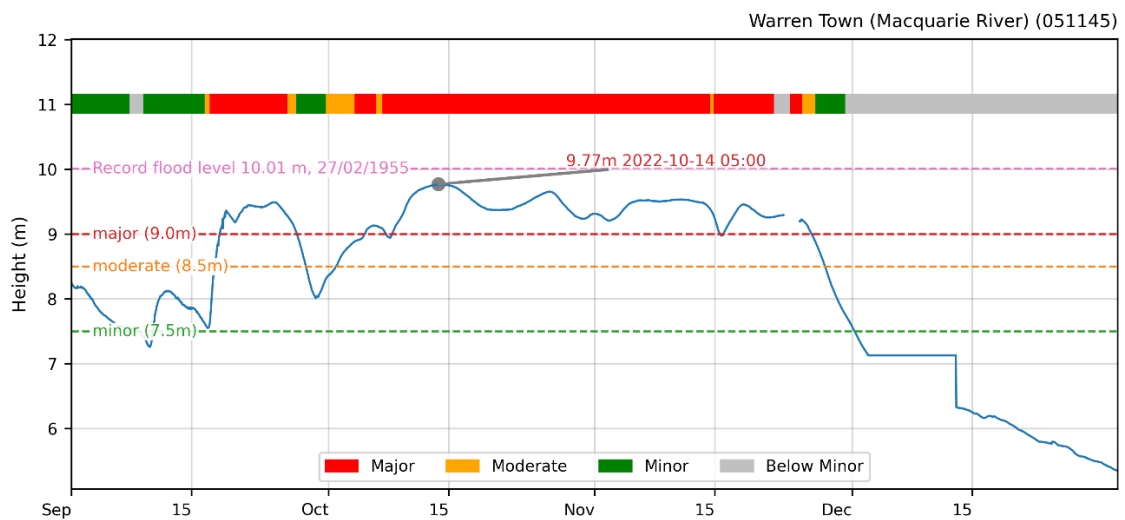
SI Figure 13: Flood peak classifications for gauges in the Namoi catchment during spring 2022.



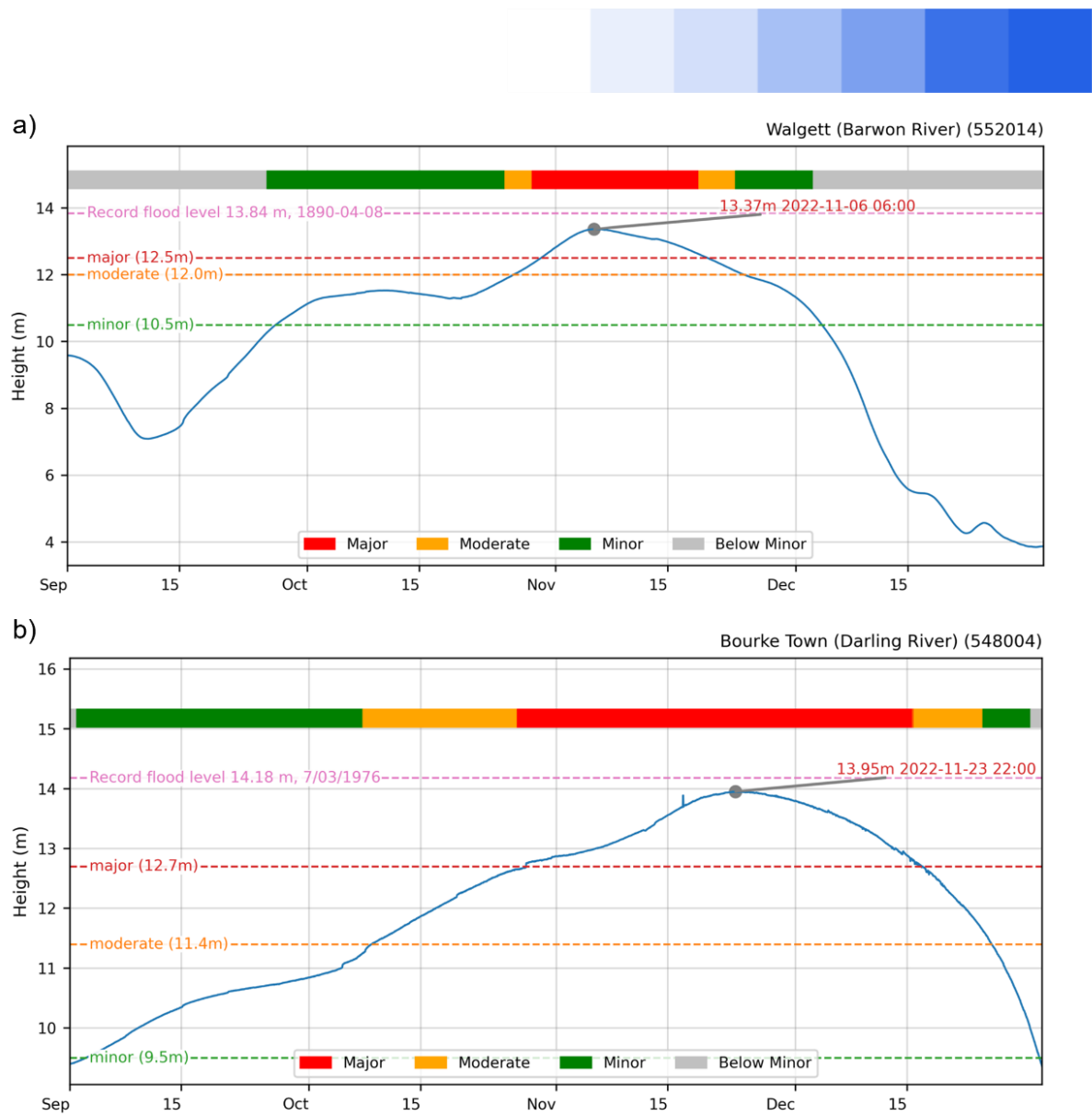
SI Figure 14: Namoi River Observed Water Levels at Glencoe Wee Waa.



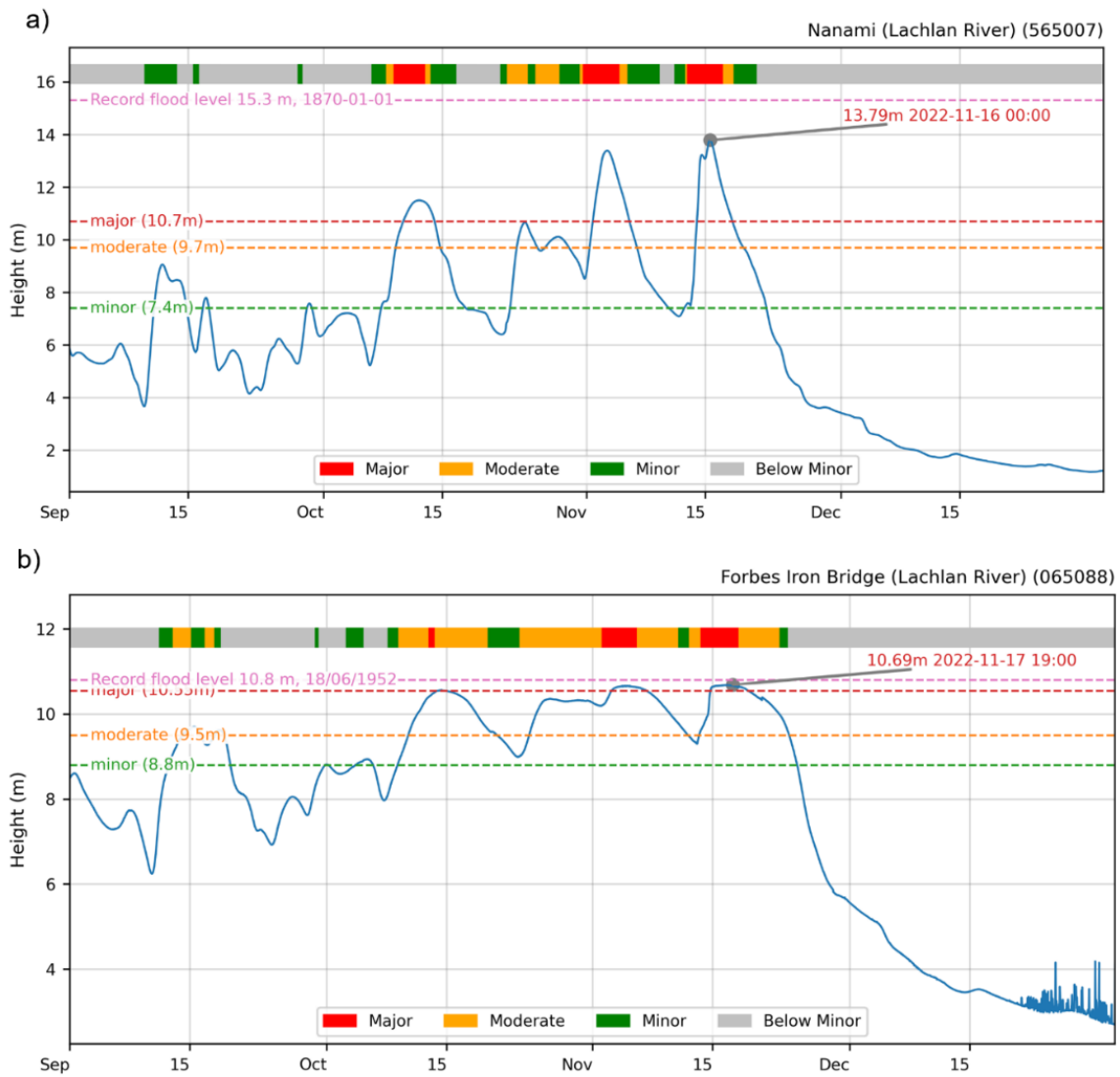
SI Figure 15: Flood peak classifications for gauges in the Macquarie-Bogan and Castlereagh catchments during spring 2022.



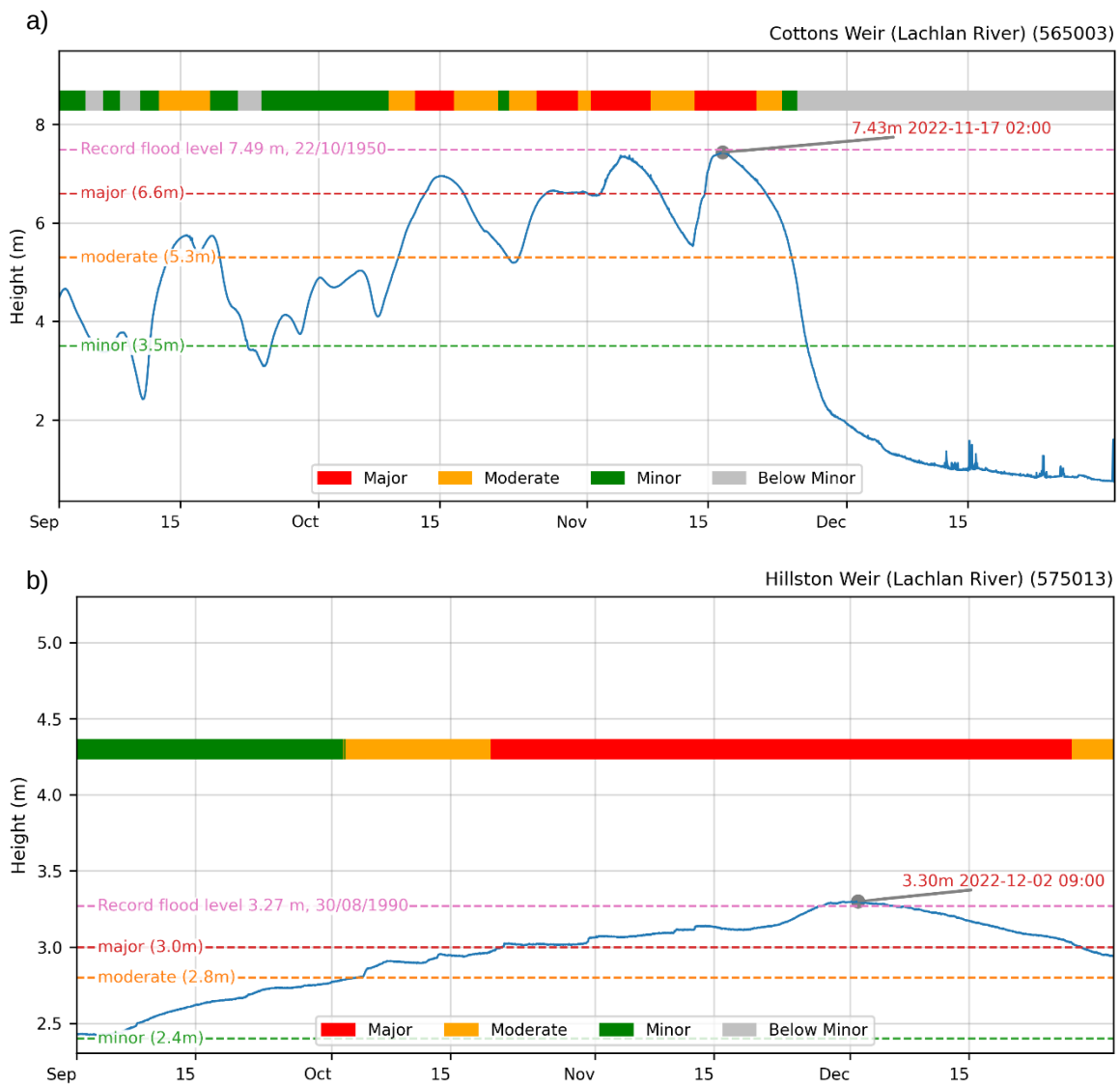
SI Figure 16: Macquarie River Observed Water Levels at Warren Town.



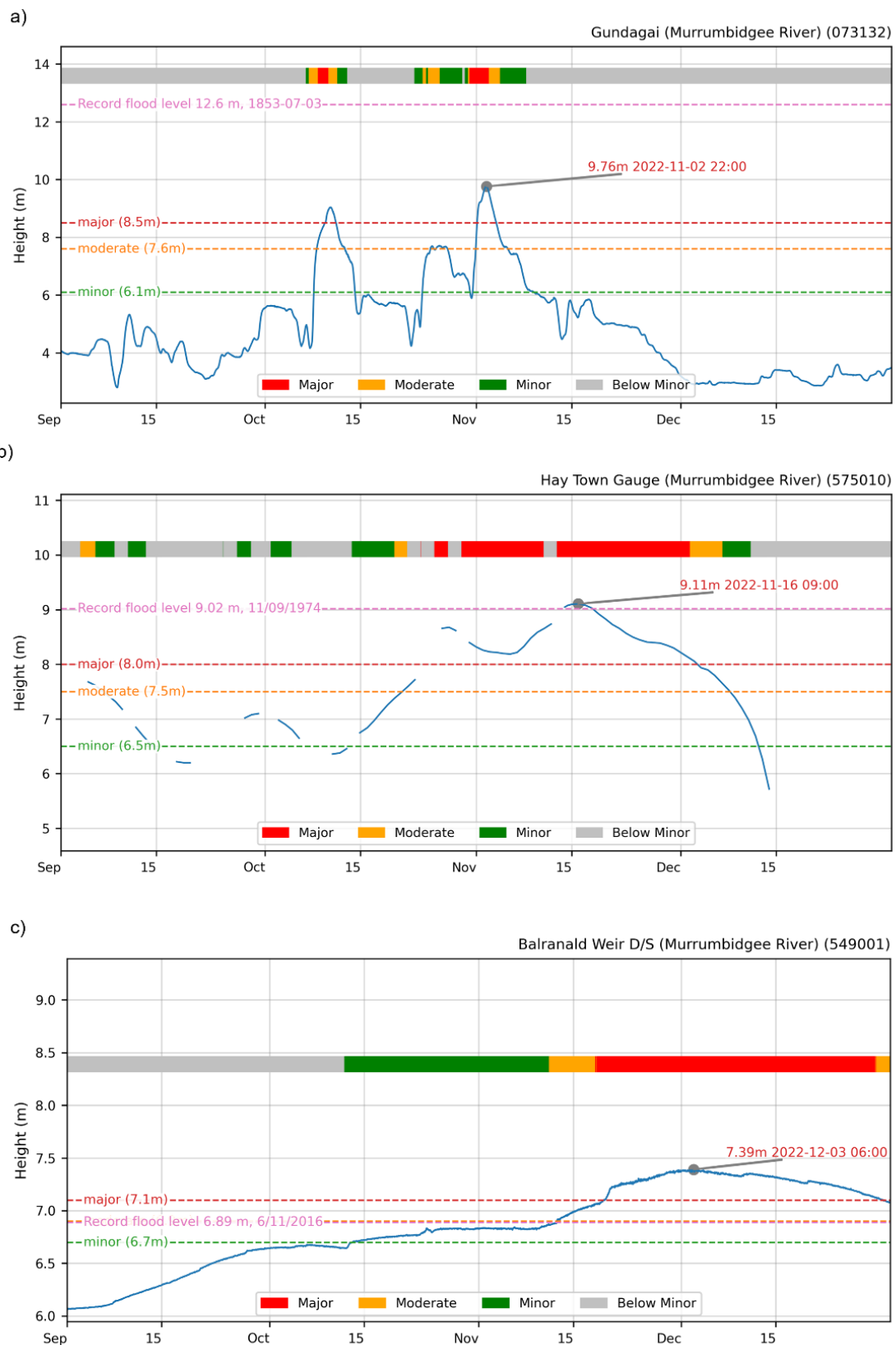
SI Figure 17: Barwon-Darling River Observed Water Levels at (a) Walgett and (b) Bourke Town.



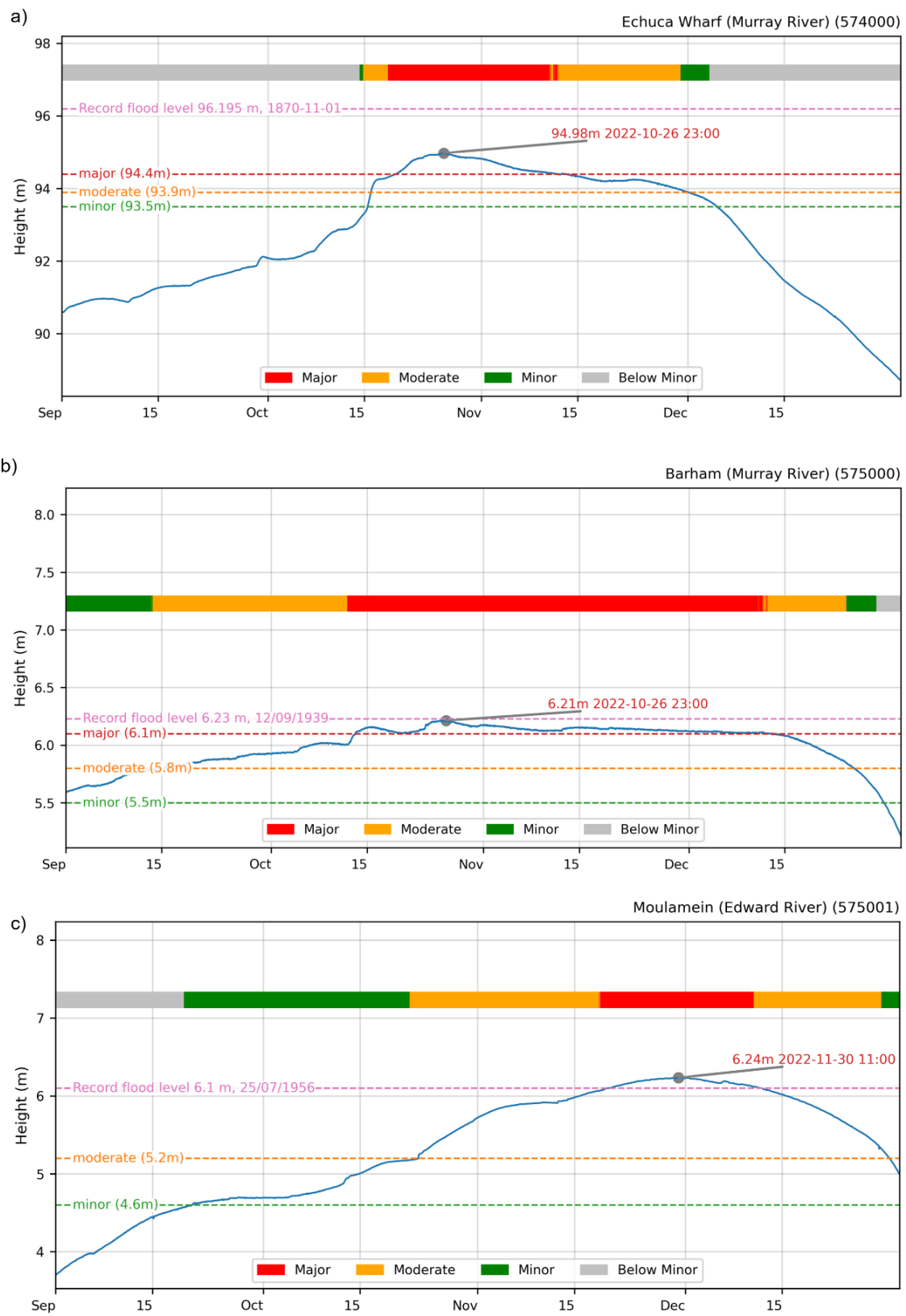
SI Figure 18: Observed water levels of the Lachlan River at a) Nanami and b) Forbes Iron Bridge Weir.



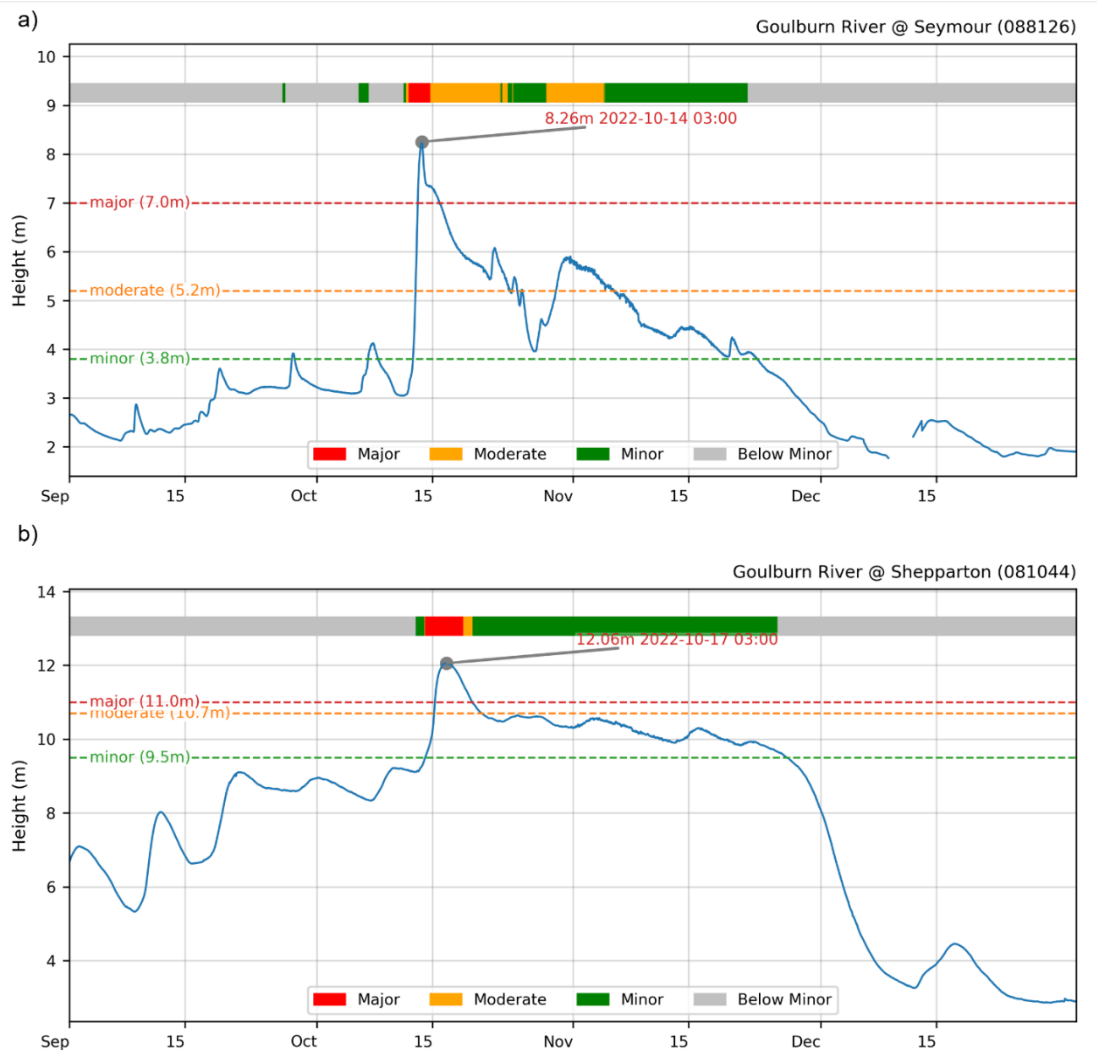
SI Figure 19: Observed water levels of the Lachlan River at a) Cottons Weir and b) Hillston Weir.



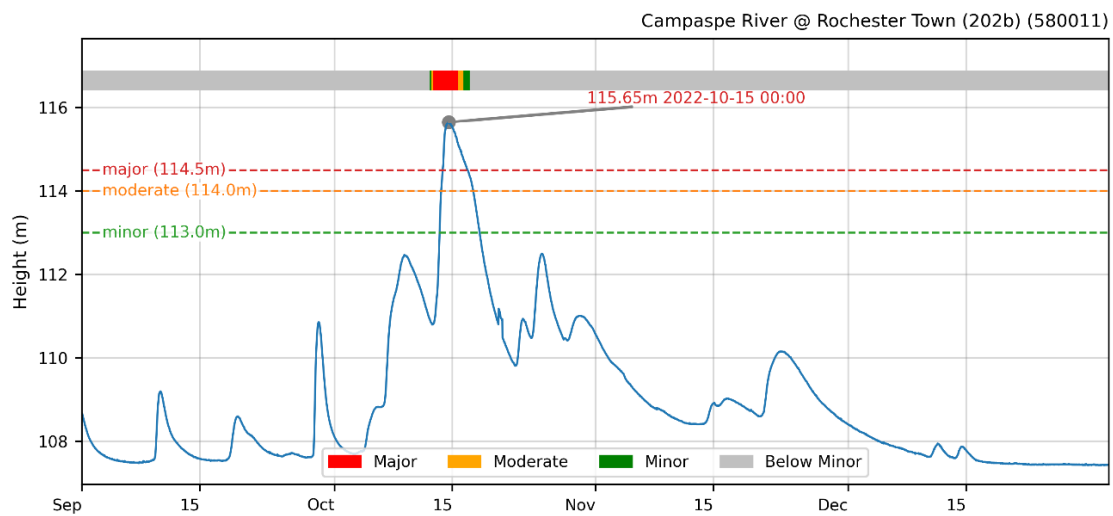
SI Figure 20: Observed water level of the Murrumbidgee River at (a) Gundagai (b) Hay Town and (c) Balranald Weir D/S.



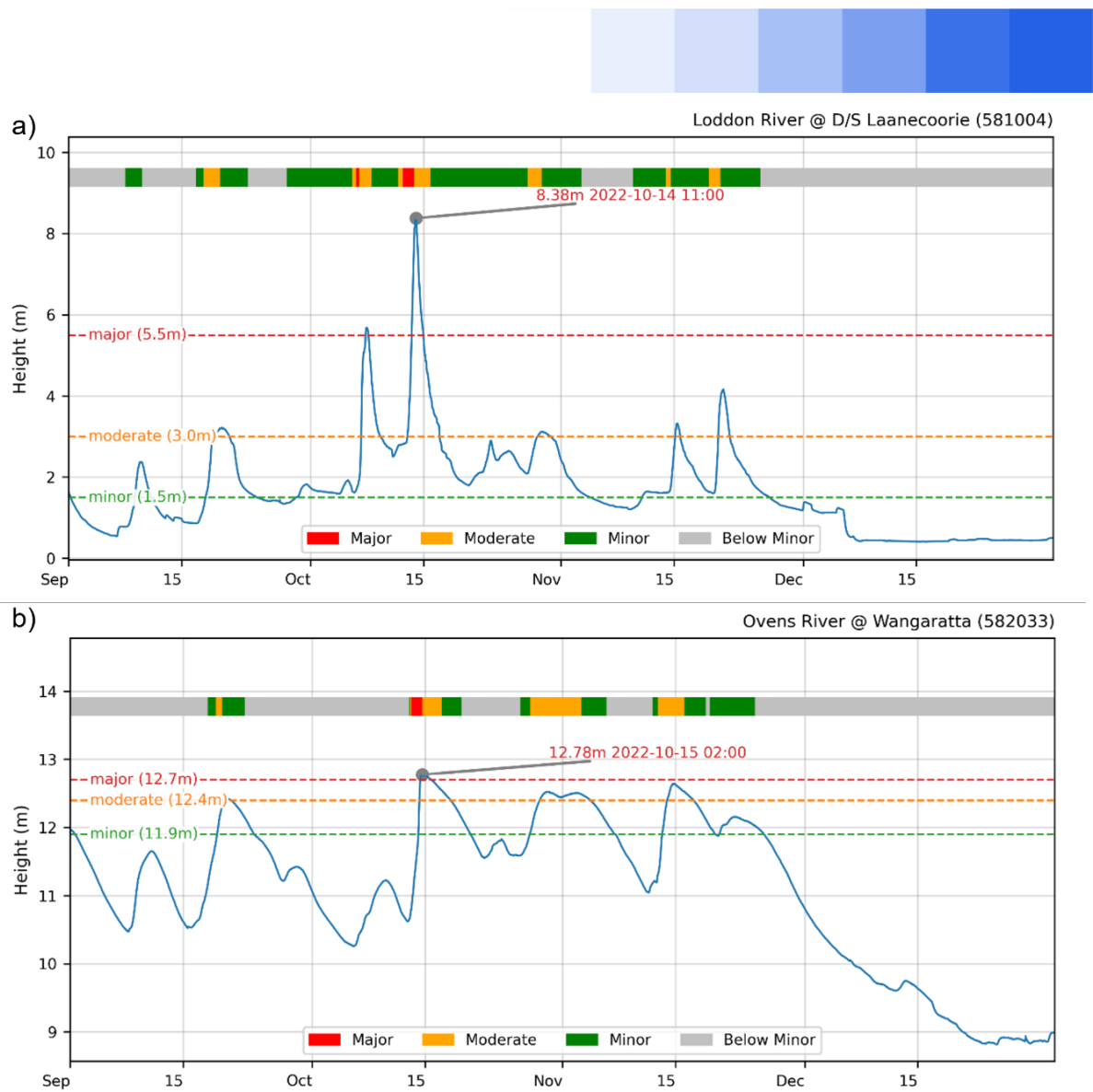
SI Figure 21: Observed water levels of the Murray River at (a) Echuca Wharf and (b) Barham and (c) Moulamein (Edward River).



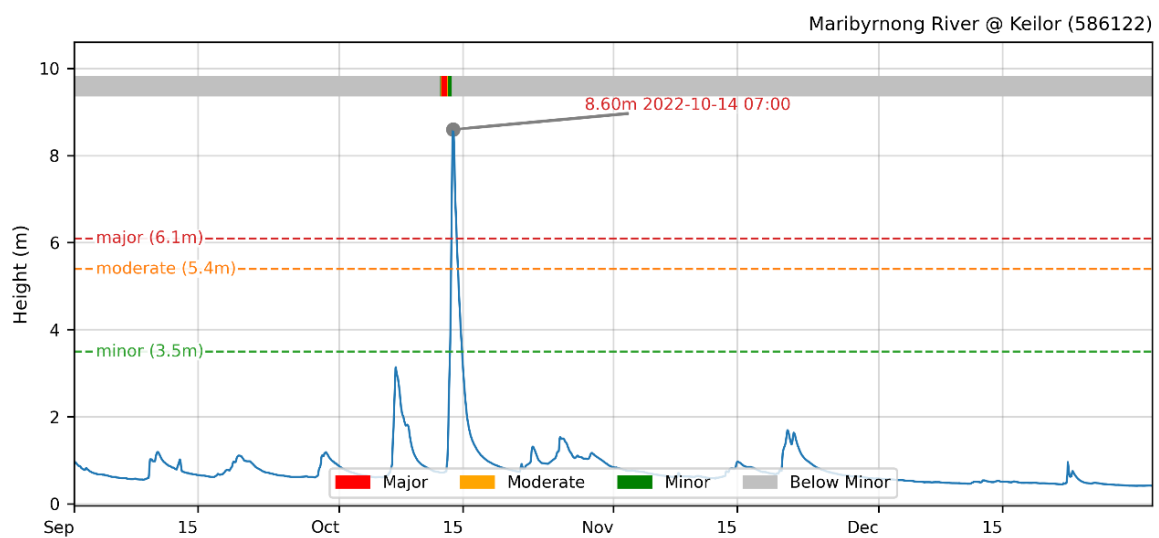
SI Figure 22: Goulburn River Observed Water Levels at a) Seymour and b) Shepparton.



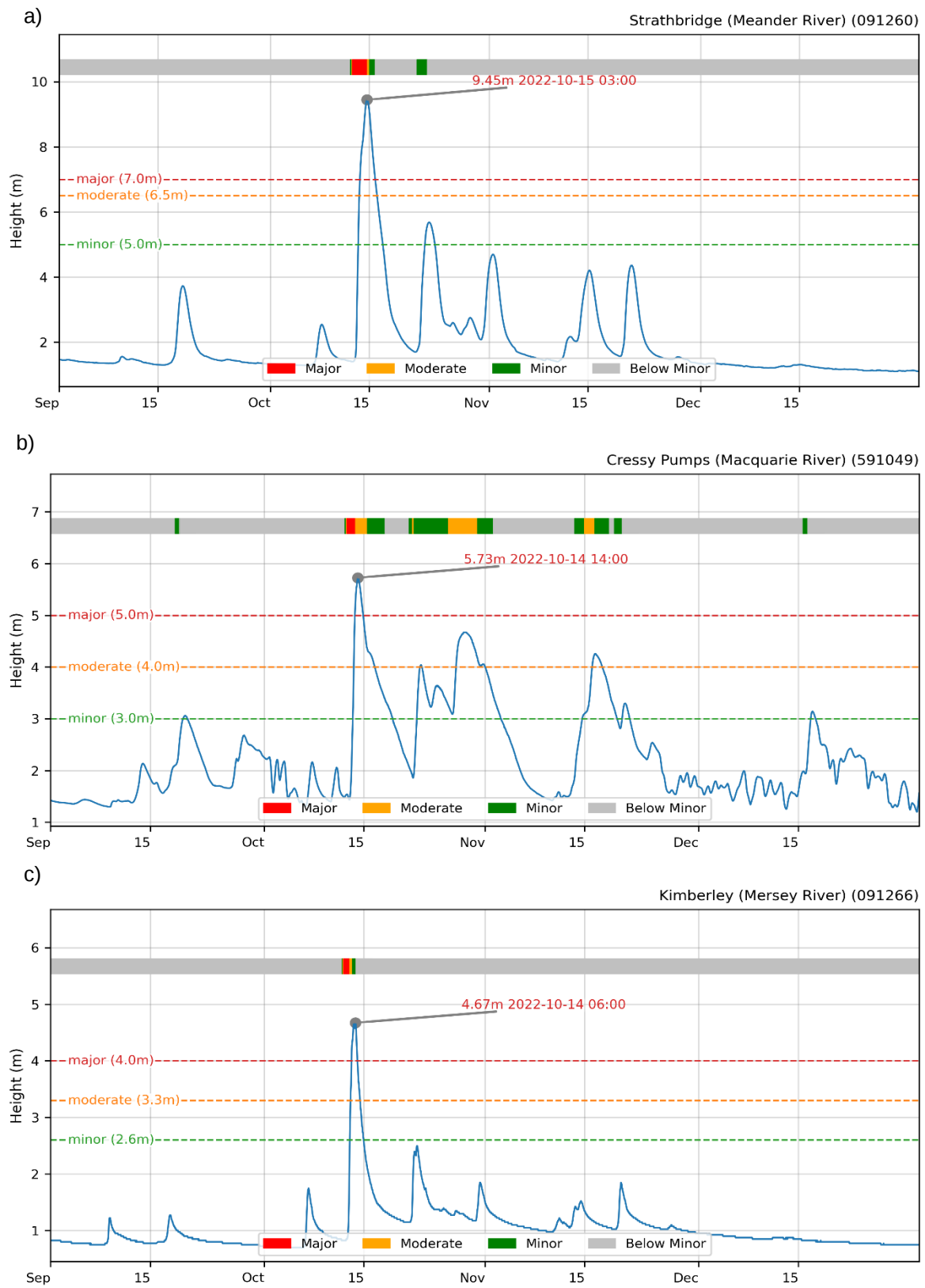
SI Figure 23: Campaspe River Observed Water Levels at Rochester Town (Gauge zero is 107.45 m AHD).



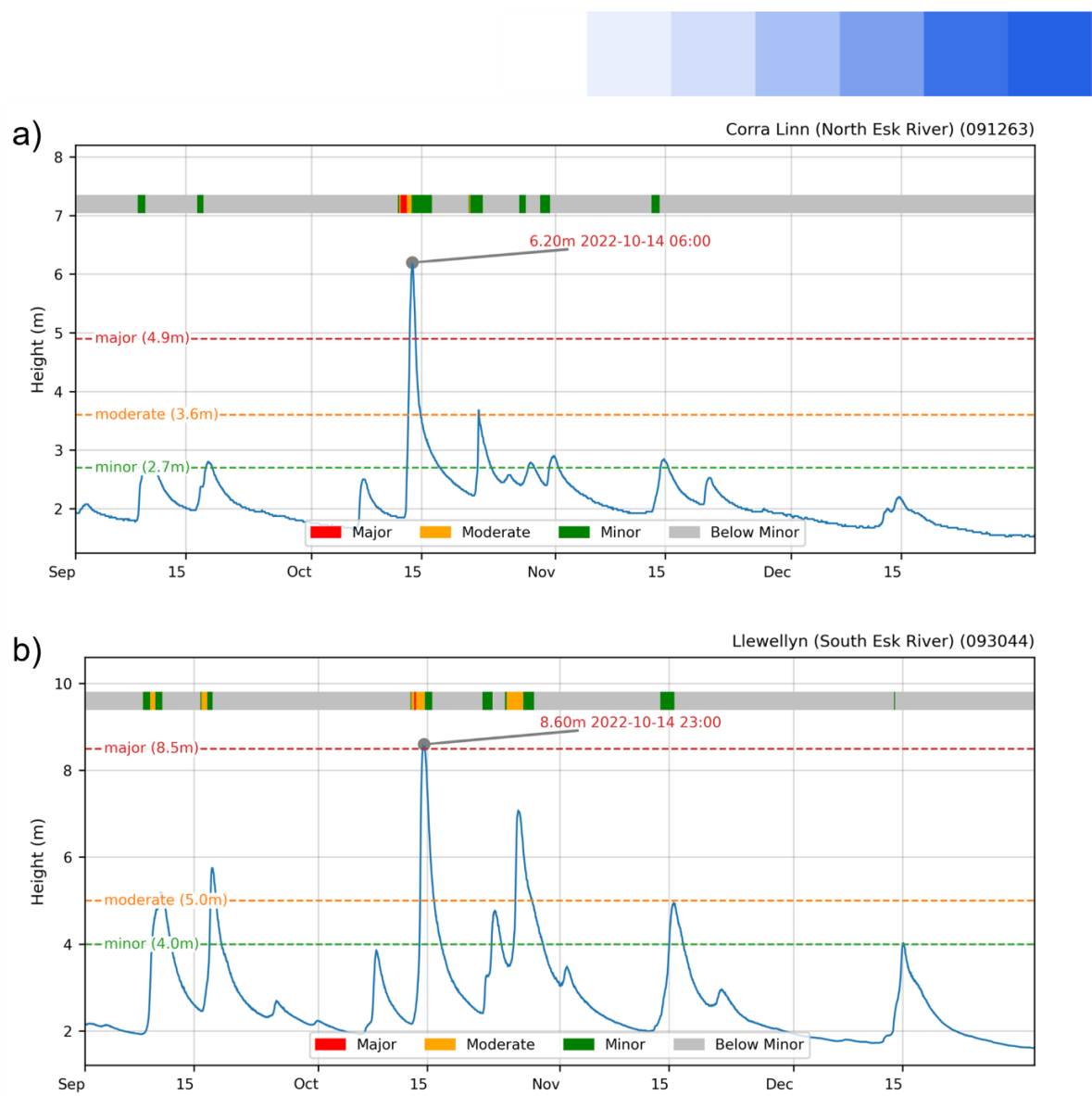
SI Figure 24: Observed Water Levels at (a) D/S Laanecoorie (Loddon River) and b) Wangaratta (Ovens River).



SI Figure 25: Observed Water Levels at Keilor (Maribyrnong River).



SI Figure 26: Observed Water Levels at a) Strathbridge (Meander River), b) Cressy Pumps (Macquarie River) and c) Kimberley (Mersey River).



SI Figure 27: Observed Water Levels at a) Corra Linn (North Esk River) and b) Llewellyn (South Esk River).



Tables

SI Table 1. Locations (including selected composites) in NSW, ACT, Vic, Tas, SA and Qld (except the tropics) with 50 years or more of daily data which set daily rainfall records in the period August to November 2022. Daily records for any month are shown in bold.

Station number	Location	State	New record (mm)	Date	Previous record (mm)	Date of previous record	Years of daily data
August 2022							
36031	Longreach Aero	QLD	35.6	30/8	31.8	23/8/1988	69
36172	Gue	QLD	20.0	30/8	15.0	16/8/2014	65
37039/37051	Winton	QLD	68.6	30/8	45.5	18/8/1947	137
37056	Mahrigong	QLD	59.0	30/8	56.2	23/8/1988	92
53002	Baradine Forestry	NSW	62.8	5/8	61.7	13/8/1952	76
56080	Glen Morrison (Millbank)	NSW	57.0	5/8	55.0	6/8/1985	84
64025	Coolah (Binnia St)	NSW	59.0	5/8	57.7	26/8/1949	134
70247	Australian National Botanic Gardens	ACT	54.8	5/8	49.4	28/8/1974	55
85160	Darriman (Tarralangi)	VIC	53.8	14/8	49.8	26/8/1963	69
85179	Buln Buln	VIC	72.4	15/8	41.4	11/8/2019	53
92020	Lewis Hill (St Pauls River)	TAS	77.6	14/8	77.0	28/8/1981	93
September 2022							
20022	Sturt Vale	SA	36.0	21/9	32.6	12/9/2001	58
25000	Alawoona	SA	34.0	21/9	33.0	13/9/2013	102
38035	Trinidad	QLD	46.0	8/9	45.8	4/9/2008	54
40197	Mount Tamborine Fern St	QLD	173.0	23/9	84.8	1/9/2006	122
41469	Macalister	QLD	47.0	3/9	39.0	30/9/1996	51
42022	Meandarra Post Office	QLD	49.8	9/9	47.4	15/9/2016	80
42112/42023	Miles	QLD	52.4	3/9	50.8	23/9/1917	136
43043	Yuleba Garden St	QLD	64.0	3/9	61.2	20/8/1889	132
43095	Namarah	QLD	74.4	9/9	54.8	5/9/2008	52
46012/46043	Wilcannia	NSW	60.8	8/9	43.8	20/9/2020	144
54003	Barraba (Clifton Lane)	NSW	61.2	16/9	56.6	5/9/1998	142
55195	Gowrie (Lallybroch)	NSW	56.6	16/9	48.0	29/9/2011	51
55244	Willow Tree (Cooinda)	NSW	72.0	22/9	46.2	12/9/1979	70
58005	Brays Creek (Misty Mountain)	NSW	79.0	23/9	59.0	5/8/2008	70
58045	Nymboida (Sutton St)	NSW	99.8	23/9	71.1	17/9/1932	100
58080	Wooli Beach	NSW	149.8	23/9	142.0	15/9/1988	57
58158	Murwillumbah (Bray Park)	NSW	98.0	23/9	93.2	15/9/1998	50
61192	Muswellbrook (Spring Creek (Castle Vale))	NSW	36.6	22/9	32.0	17/9/2013	59
October 2022							
16001	Woomera Aerodrome	SA	74.4	19/10	36.1	8/10/1949	72

16006	Tarcoola (Commonwealth Hill)	SA	52.0	18/10	46.8	8/10/1992	79
16024	Lake Everard	SA	52.0	19/10	38.8	13/10/1976	85
16059	Tarcoola (Mobella)	SA	55.6	19/10	35.4	11/10/2017	64
16098/16044	Tarcoola	SA	42.8	18/10	38.4	8/10/1992	113
17024	Marree (Farina)	SA	45.2	19/10	38.8	3/10/1993	118
17055	Marree (Witchelina Station)	SA	72.0	19/10	69.3	20/10/1924	109
17110/17005	Leigh Creek	SA	59.4	19/10	33.6	1/10/2004	72
17126	Marree	SA	57.8	19/10	42.0	19/10/2005	137
20001	Boolcoomatta	SA	57.0	14/10	53.3	22/10/1938	135
20010	Koonamore	SA	59.8	24/10	43.2	25/10/1913	131
24008	Lyrup	SA	95.0	24/10	52.3 84.8	12/10/1903 5/3/1910	127
24025	Berri	SA	62.0	24/10	42.0	6/10/1980	62
24048/24016 /24003	Renmark	SA	95.6	24/10	57.0 88.0	22/10/1995 14/1/2011	139
24504	Bower	SA	75.3	23/10	58.8	22/10/1995	118
24528	Robertstown	SA	60.0	23/10	52.8	22/10/1916	120
24573	Truro	SA	45.0	23/10	42.8	31/10/1997	139
35064	Spring Creek Station	QLD	97.0	19/10	86.0	30/10/2000	73
35065	Springsure Comet St	QLD	131.4	19/10	86.0	25/10/1998	136
35090	Rewan Station	QLD	132.0	19/10	121.9	21/10/1920	80
35205	Woorarra	QLD	108.0	19/10	60.2	13/10/1949	99
35225	Cardbeign	QLD	142.6	19/10	61.4	30/10/2000	70
35264/35027	Emerald	QLD	135.6	19/10	81.3	8/10/1914	135
36074	Jochmus	QLD	52.0	19/10	50.0	30/10/1991	54
42112/42023	Miles	QLD	78.4	22/10	71.1	25/10/1938	136
46115	Tilpa (Trevallyn)	NSW	119.0	20/10	60.0	3/10/1984	50
47048	Broken Hill Airport	NSW	54.0	13/10	48.0	19/10/1983	62
53115/53048 / 53027	Moree	NSW	107.8	21/10	106.7	16/10/1954	144
54003	Barraba (Clifton Lane)	NSW	90.2	21/10	80.2	14/10/2000	141
55044	Boggabri (Retreat)	NSW	75.0	21/10	68.0	14/10/2000	123
58147	The Channon	NSW	133.4	24/10	95.5	11/10/1942	69
62101	Mudgee	NSW	77.8	23/10	68.1	30/10/1959	152
65034	Wellington (D&J Rural)	NSW	63.0	23/10	62.2	7/10/1889	141
70242	Aranda (Bindanga St)	ACT	65.0	22/10	49.4	16/10/1976	52
75041	Griffith Airport AWS	NSW	72.4	24/10	59.0	21/10/2005	58
75046	Moulamein Post Office	NSW	52.0	13/10	48.8	23/10/1934	135
75054	Conargo (Puckawidgee)	NSW	46.0	14/10	44.5	5/10/1956	104
76000	Annuello	VIC	46.6	13/10	39.0	9/10/1975	91
76031	Mildura Airport	VIC	44.8	13/10	43.2	4/10/1993	76
76044	Nyah	VIC	64.8	13/10	63.0	24/10/1975	114
76064	Walpeup Research	VIC	43.6	25/10	41.1	27/10/1973	84
76103	Bronzewing	VIC	47.6	24/10	40.0	9/10/1975	83

77025	Lake Boga	VIC	56.0	13/10	54.0	4/10/1993	112
77048	Ultima (Post Office)	VIC	57.2	13/10	45.7	15/10/1908	116
77094/77042	Swan Hill	VIC	71.0	13/10	49.6	22/10/1995	139
80024	Kerang (Meran Downs)	VIC	60.8	13/10	56.1	27/10/1973	141
80049	Rochester	VIC	70.2	13/10	50.0	4/10/1993	116
81000	Avoca (Post Office)	VIC	57.2	7/10	56.1	14/10/1893	139
81008	Colbinabbin	VIC	63.2	13/10	62.6	17/10/1992	124
81016	Elmore	VIC	61.6	13/10	58.2	22/10/1882	124
81123	Bendigo	VIC	65.6	13/10	57.7	28/10/1892	152
87043	Meredith (Darra)	VIC	66.0	22/10	63.4	24/10/1985	109
87130	Romsey	VIC	58.2	14/10	55.8	31/10/2010	51
88020	Daylesford	VIC	85.8	13/10	63.5	23/10/1916	151
88031	Highlands (Glentannar)	VIC	72.2	14/10	62.5	21/10/1953	108
88109	Mangalore Airport	VIC	75.8	13/10	44.4	4/10/1993	64
88121	High Camp (Lannermoor)	VIC	62.2	14/10	57.6	6/10/1979	54
88123	Kyneton	VIC	83.6	13/10	70.6	31/10/2010	54
88124	Tabilk (Tahbilk Winery)	VIC	82.4	13/10	55.2	24/10/2000	54
89019	Mirranatwa (Bowacka)	VIC	76.2	22/10	45.4	11/10/1990	122
89022	Moutajup	VIC	48.8	22/10	47.0	24/10/1945	123
89034	Willaura (Main Street)	VIC	89.2	13/10	44.4	11/10/1990	119
89045	Buangor (Biranga)	VIC	66.0	14/10	42.0	6/10/1979	59
89082	Beaufort (Sheepwash)	VIC	50.6	22/10	40.1	9/10/1973	55
90021	Cobden (Post Office)	VIC	53.0	13/10	52.8	24/10/1949	129
90063	Penshurst (Post Office)	VIC	59.0	22/10	44.7	24/10/1945	141
91055	Lorinna	TAS	101.0	14/10	62.2	31/10/2010	67
91086	Ringarooma (Main Street)	TAS	96.4	14/10	91.0	9/10/1992	112
91109	Yolla (Sea View)	TAS	103.6	14/10	101.8	9/10/1992	116
91149	Kimberley (Siding)	TAS	86.0	14/10	49.0	31/10/2010	58
91223	Marawah	TAS	88.0	14/10	51.0	29/10/2021	52
November 2022							
21004	Booborowie	SA	78.4	14/11	46.0 72.0	5/11/2015 7/2/1997	96
21020	Georgetown	SA	49.2	1/11	47.0	5/11/2015	139
21077	Burra Community School	SA	53.0	13/11	46.2	5/11/2015	62
21100	Burra (Leighton)	SA	61.0	13/11	34.4	22/11/2009	53
23307	Kapunda	SA	60.0	14/11	48.8	17/11/1961	139
23310	Manoora	SA	38.4	1/11	38.0	4/11/1988	131
23799	Prospect Hill	SA	52.6	13/11	46.4	8/11/2005	55
24519	Milang	SA	71.2	13/11	66.3	18/11/1964	139
50052	Condobolin Ag Research Stn	NSW	74.2	14/11	53.6	23/11/2007	68
55066	Wallabadah (Woodton)	NSW	84.2	1/11	67.4	30/11/2002	125
55255	Quirindi (Spring Vale)	NSW	65.0	1/11	60.2	26/11/2021	54
63226	Lithgow (Cooerwull)	NSW	73.0	14/11	66.5	20/11/1879	103

63271	Tuena (Wyoming)	NSW	115.8	14/11	71.1	27/11/1955	72
65019	Gooloogong Post Office	NSW	120.0	13/11	61.0	4/11/1907	112
65103/65016	Forbes	NSW	118.0	14/11	63.6 108.2	26/11/2011 28/10/1973	148
65111/65091	Cowra Airport	NSW	80.2	14/11	50.2	26/11/2011	57
73023	Kangiara (Laverstock)	NSW	75.8	1/11	57.7	4/11/1907	115
78029	Minyip (Post Office)	VIC	47.8	11/11	39.1	5/11/1953	108
83038	Tawonga	VIC	88.2	14/11	82.0	14/11/2010	69
86213	Rosebud (Country Club)	VIC	80.6	14/11	63.4	4/11/2007	72
89068	Rokewood	VIC	45.0	14/11	44.7	8/11/1971	62

SI Table 2. Highest 2-day catchment average rainfalls for the Loddon, Campaspe and Goulburn catchments. When 2-day periods overlap only the highest value is shown.

Loddon		Campaspe		Goulburn	
Total (mm)	Dates	Total (mm)	Dates	Total (mm)	Dates
83.5	13–14/1/2011	107.5	13–14/10/2022	143.5	18–19/3/1950
80.1	13–14/10/2022	97.2	16–17/2/1972	130.1	23–24/9/1916
78.7	30/11–1/12/1933	97.2	23–24/9/1916	115.7	2–3/12/2017
76.1	23–24/9/1916	95.8	13–14/1/2011	109.0	3–4/2/2005
74.8	16–17/2/1972	94.4	19–20/2/1951	103.9	26–27/2/1939
74.5	5–6/2/1973	86.6	6–7/12/1930	102.2	30/11–1/12/1934
73.5	9–10/2/1911	86.1	5–6/2/1973	101.0	13–14/10/2022
70.5	17–18/3/1950	84.9	4–5/2/2011	90.4	7–8/4/1939
69.9	19–20/2/1973	82.8	7–8/4/1939	87.3	20–21/2/1973
68.0	14–15/1/1974	81.3	18–19/3/1950	82.3	11–12/7/1933

SI Table 3. Catchments in the Murray-Darling Basin and southern Victoria which had their highest rainfall on record for the monthly and multi-month periods shown. Values shown in bold are records for any period of that length regardless of starting month.

Catchment	Number of months	Period in 2022	Total (mm)	% above 1961-1990 average	Previous record (mm) (Year of record)
Upper Murray	4	Aug-Nov	751.6	75	707.7 (1992)
Kiewa	2	Oct-Nov	464.7	145	437.7 (1934)
	4	Aug-Nov	832.7	85	753.7 (1992)
Ovens	2	Oct-Nov	422.6	155	373.0 (1917)
	3	Sep-Nov	559.3	111	537.0 (1917)
	4	Aug-Nov	734.6	86	701.1 (1917)
Broken	1	October	199.1	253	153.2 (Oct 1975) 182.8 (Apr 1939)
	2	Oct-Nov	303.6	207	234.5 (Oct-Nov 1949) 293.0 (Mar-Apr 1956)
	3	Sep-Nov	402.2	155	313.4 (1916)
	4	Aug-Nov	487.7	113	408.8 (1917)
	5	Aug-Dec	523.6	92	509.7 (1992)
Goulburn	1	October	239.0	212	177.7 (Oct 1975) 202.5 (Feb 1973)
	2	Oct-Nov	347.2	158	319.8 (Oct-Nov 1949) 335.8 (Jul-Aug 1981)
	3	Aug-Oct	465.4	80	450.7 (1975)
	4	Aug-Nov	573.6	81	550.4 (1916)
Campaspe	1	October	215.1	259	181.5 (Oct 1975) 182.1 (Feb 1911)
	2	Sep-Oct	325.9	176	286.8 (Sep-Oct 1975) 298.7 (Jan-Feb 2011)
	3	Aug-Oct	426.4	125	372.9 (Aug-Oct 1975) 398.0 (Nov 2010-Jan 2011)
	4	Aug-Nov	500.9	118	467.5 (2010)
	5	Jul-Nov	536.4	80	535.3 (2010)
Loddon	1	October	185.9	291	156.8 (Oct 1975) 177.6 (Jan 2011)
	2	Sep-Oct	272.4	190	246.1 (1975)
	3	Aug-Oct	356.3	140	304.2 (1975)
	4	Aug-Nov	422.5	132	399.9 (2010)
	5	Jul-Nov	454.9	96	446.6 (2010)
	6	Jun-Nov	492.7	81	485.7 (2010)
Avoca	1	October	165.7	336	144.1 (1975)
	2	Sep-Oct	252.2	235	212.6 (Sep-Oct 1975) 244.6 (Dec 2010-Jan 2011)
	3	Sep-Nov	319.5	207	231.3 (2010)
	4	Aug-Nov	375.7	156	309.7 (2010)
	5	Jul-Nov	396.0	114	340.1 (2010)
	6	Jun-Nov	421.9	97	381.3 (1917)
Murray Riverina	1	October	186.8	380	123.4 (Oct 1975) 136.1 (Dec 1930)
	2	Oct-Nov	277.5	301	179.3 (Oct-Nov 2010) 210.9 (Jan-Feb 2011)

	3	Sep-Nov	355.6	231	227.3 (Sep-Nov 1992)
	4	Aug-Nov	412.8	172	301.1 (Mar-May 1956)
	5	Aug-Dec	433.5	135	293.3 (Aug-Nov 2010)
	6	Jun-Nov	458.4	106	365.7 (Nov 2010-Feb 2011)
Murrumbidgee	1	October	166.9	199	403.5 (1992)
	2	Oct-Nov	276.1	177	433.8 (1917)
	3	Sep-Nov	363.9	142	
	4	Aug-Nov	454.0	118	
	5	Aug-Dec	488.5	93	
Lake George	4	Aug-Nov	491.5	82	131.8 (1975)
	5	Aug-Dec	546.6	66	224.7 (2010)
	24	Jan 2021-Dec 2022	2147.7	49	288.9 (2010)
	36	Jan 2020-Dec 2022	3057.4	42	366.1 (2010)
					473.5 (1992)
Lachlan	1	October	163.6	239	487.3 (1974)
	2	Oct-Nov	281.6	229	537.1 (2021)
	3	Sep-Nov	357.5	187	1995.6 (Jan 1949-Dec 1950)
	4	Aug-Nov	437.6	158	2088.3 (Nov 1973-Oct 1975)
	5	Jul-Nov	470.1	123	2935.6 (Jan 1950-Dec 1952)
	6	Jul-Dec	495.5	97	2946.3 (Feb 1959-Jan 1962)
	12	Jan-Dec	845.0	70	
	24	Jan 2021-Dec 2022	1560.1	57	
	36	Jan 2020-Dec2022	2159.2	45	
					115.7 (1973)
					195.3 (Oct-Nov 2010)
					274.5 (Feb-Mar 2012)
					250.5 (Sep-Nov 2010)
					348.1 (Mar-May 1956)
					305.7 (Aug-Nov 2010)
					425.5 (Mar-Jun 1956)
					368.2 (2010)
					475.6 (2010)
					840.4 (1956)
					1495.8 (1973-74)
					1991.5 (Jan 1973-Dec 1975)
					2070.6 (Feb 1973-Jan 1976)
Benanee	1	October	162.0	456	104.3 (Oct 1973)
	2	Oct-Nov	241.9	362	152.2 (Jan 2011)
	3	Sept-Nov	294.0	273	184.8 (2010)
	4	Aug-Nov	328.5	208	215.7 (2010)
	5	Aug-Dec	340.1	158	253.6 (2010)
	6	Jun-Nov	351.3	130	314.9 (2010)
					317.0 (1917)
Mallee	1	Oct	118.9	257	105.2 (Oct 1975)
	2	Sept-Oct	192.3	198	111.9 (Dec 2010)
	3	Sep-Nov	263.0	195	150.2 (Sep-Oct 1975)
	4	Aug-Nov	302.0	142	190.6 (Dec 2010-Jan 2011)
	5	Jul-Nov	319.1	101	191.7 (Sep-Nov 1992)
					257.9 (Dec 2010-Feb 2011)
					253.8 (1992)
					297.1 (1917)
Wimmera-Avon	3	Sep-Nov	295.4	150	249.1 (1975)
	4	Aug-Nov	370.3	121	298.5 (1992)
	5	Jul-Nov	399.3	86	361.7 (1964)
	6	Jun-Nov	435.6	73	413.3 (1916)
Border Rivers	2	September-October	250.8	159	215.2 (1954)
	24	Jan 2021-Dec2022	1774.1	33	1768.2 (1983-84)
Moonie	2	Sep-Oct	229.8	194	185.4 (1969)
	3	Aug-Oct	263.7	141	233.9 (1998)

Gwydir	2	Sep-Oct	304.5	217	241.0 (1949)
	3	Aug-Oct	372.3	166	289.5 (2016)
	4	Aug-Nov	423.3	108	410.2 (2011)
	36	Jan 2020-Dec 2022	2657.0	32	2554.1 (Jan 1954 -Dec 1956) 2606.2 (Dec 1947-Nov 1950)
Namoi	2	Sept-Oct	290.8	188	238.5 (1949)
	3	Aug-Oct	384.6	164	288.3 (2016)
	4	Aug-Nov	478.3	132	426.0 (1950)
	5	Aug-Dec	518.2	90	505.3 (2010)
	36	Jan 2020-Dec 2022	2702.0	35	2632.6 (1948-50)
Castlereagh	2	Sep-Oct	226.1	155	216.8 (2016)
	3	Aug-Oct	320.9	150	269.5 (1973)
	36	Jan 2020-Dec 2022	2474.3	42	2394.9 (1948-50)
Macquarie-Bogan	2	Sep-Oct	248.8	183	215.0 (1950)
	3	Aug-Oct	339.3	160	260.6 (1950)
	4	Aug-Nov	429.1	145	416.6 (1950)
	36	Jan 2020-Dec 2022	2376.5	42	2251.4 (Jan 1948-Dec 1950) 2354.3 (Dec 1947-Nov 1950)
Condamine-Culgoa	2	Sep-Oct	195.6	202	182.0 (1906)
	3	Aug-Oct	233.2	152	224.9 (1906)
Paroo	1	October	116.8	460	96.1 (1950)
	2	Sep-Oct	161.7	365	132.2 (1949)
	3	Aug-Oct	196.9	268	141.7 (2016)
Darling	1	Oct	152.0	434	109.1 (1973)
	2	Oct-Nov	219.3	345	188.7 (2010)
	3	Sep-Nov	267.8	284	229.0 (2010)
	4	Aug-Nov	301.6	224	247.1 (2010)
Lower Murray	1	October	104.1	271	85.5 (1973)
	2	Sep-Oct	167.7	205	136.2 (1975)
	3	Sep-Nov	225.3	201	180.7 (1992)
	4	Aug-Nov	251.3	144	229.2 (1992)
	5	Jul-Nov	259.9	97	241.3 (1992)
Bunyip	4	Aug-Nov	533.7	56	522.6 (1953)
Maribyrnong	1	October	184.3	162	182.5 (1975)
Moorabool	1	Oct	166.3	146	152.6 (1975)
	2	Oct-Nov	276.5	126	252.1 (1934)
Barwon	1	October	164.5	128	160.8 (1949)
	2	Oct-Nov	276.0	117	266.4 (Oct-Nov 1949)
Lake Corangamite	1	October	170.7	146	160.1 (Oct 1949)
	2	Oct-Nov	274.2	125	257.2 (Oct-Nov 1949) 259.5 (Sep-Oct 1975)
	3	Sep-Nov	341.7	82	332.4 (1952)
Hopkins	1	October	171.2	161	147.6 (1975)
	2	Oct-Nov	273.5	132	220.0 (1949)
	3	Sep-Nov	350.5	92	302.7 (1952)
	4	Aug-Nov	442.0	71	402.5 (2010)
	6	Jun-Nov	569.1	47	569.0 (1964)
Glenelg	2	Oct-Nov	231.6	98	225.7 (1975)
	4	Aug-Nov	436.3	58	434.4 (1992)

SI Table 4. Sites in NSW, ACT, Vic, Tas, SA and Qld (except the tropics) with 100 years or more of monthly data which had their highest spring rainfall on record in 2022.

Station Number	Location	State	New record (mm)	Previous record (mm)	Year of previous record	Years of data
17055	Marree (Witchelina Station)	SA	150.1	129.3	1924	120
18107	Port Lincoln (Woolga)	SA	300.6	282.1	1910	131
19034	Peterborough	SA	215.0	211.0	1992	142
20010	Koonamore	SA	225.0	190.3	1892	135
20020	Yunta (Panaramitee)	SA	217.2	193.5	1920	117
21001	Auburn	SA	318.4	317.6	1992	157
21002	Balaklava	SA	259.8	202.6	1979	143
21007	Brinkworth	SA	266.0	244.4	1992	125
21010	Brinkworth (Bungaree)	SA	359.2	347.0	1979	163
21019	Farrell Flat	SA	348.4	288.0	1894	144
21020	Georgetown	SA	314.2	303.0	1992	148
21022	Gulnare	SA	366.7	322.4	1992	119
21025	Clare (Hill River)	SA	387.9	368.8	1992	137
21029	Koolunga	SA	290.8	268.6	1992	139
21033	Mintaro	SA	360.8	336.8	1979	120
21034	Mount Bryan	SA	384.0	287.4	1992	124
21057	Yacka	SA	338.8	274.6	1979	142
23307	Kapunda	SA	359.5	258.6	2016	162
23310	Manoora	SA	406.6	312.0	1979	131
23314	Riverton	SA	340.4	336.2	1992	147
23714	Finniss	SA	276.1	238.4	2016	110
23741	Normanville	SA	292.8	243.2	2016	147
24003	Renmark Irrigation	SA	267.0	203.9	1973	105
24008	Lyrup	SA	348.0	219.1	1903	124
24010	Moorook	SA	284.8	214.7	1972	124
24013	Loxton (Pyap)	SA	311.4	209.1	1920	127
24501	Australia Plains	SA	259.0	214.0	1979	131
24504	Bower	SA	293.2	180.8	1992	119
24508	Callington	SA	210.0	194.9	1903	140
24513	Cambrai (Kongolia)	SA	223.8	205.8	1979	126
24515	Langhorne Creek	SA	235.9	209.2	1992	133
24519	Milang	SA	251.4	215.6	2016	142
24521	Murray Bridge	SA	215.1	213.6	1974	137
24528	Robertstown	SA	319.8	220.2	1979	120
24530	Sedan (Sandleton)	SA	247.8	182.4	1992	136
24531	Sedan	SA	317.0	198.2	1992	137



25000	Alawoona	SA	281.6	205.8	1979	102
25006	Karoonda	SA	225.7	216.0	1992	109
25013	Parilla	SA	270.9	232.0	1964	110
25014	Paruna	SA	292.8	231.7	1973	104
25015	Pinnaroo	SA	262.0	219.7	1916	119
25018	Alawoona (Schells Well)	SA	278.5	221.2	1973	114
25056	Blanchetown (Wyn-Moor)	SA	271.6	217.2	1973	124
25506	Geranium	SA	258.2	232.4	1992	114
25512	Parrakie	SA	286.6	234.2	1992	115
25513	Peake	SA	225.8	218.7	1992	115
44166	Yamburgan	QLD	319.3	312.8	2011	124
45003	South Comongin	QLD	282.5	222.9	1950	134
46022	Wilcannia (Mount Murchison)	NSW	305.0	226.2	2010	138
46043	Wilcannia (Reid St)	NSW	328.2	233.2	2010	144
47013	Pooncarie (Karpa Kora Station)	NSW	262.4	193.6	2016	135
47019	Menindee Post Office	NSW	209.6	187.5	1974	144
47022	Ivanhoe (Mt Manara)	NSW	382.2	247.8	2010	113
47029	Pooncarie Mail Agency	NSW	259.6	241.3	2010	139
47046	Wentworth (Woodlands)	NSW	257.8	238.8	2010	101
48034	Cobar (Double Gates)	NSW	363.0	260.4	2000	132
49002	Balranald (RSL)	NSW	351.8	241.4	1975	144
49049	Hatfield (Benilkie)	NSW	456.0	230.0	2021	146
49063	Ivanhoe (Kilfera)	NSW	407.0	248.0	2010	102
50014	Condobolin Retirement Village	NSW	356.5	255.2	1973	139
50020	Warroo (Geeron)	NSW	313.8	259.3	1950	133
50037	Tullamore (Kitchener St)	NSW	466.2	415.7	1950	109
50045	Yalgogrin North (Roloma)	NSW	322.0	275.8	2021	127
53003	Bellata Post Office	NSW	406.4	400.0	2011	109
53044	Wee Waa (George St)	NSW	406.5	403.0	1950	139
54021	Barraba (Mount Lindsay)	NSW	618.4	579.9	1954	129
55057	Willow Tree (Valais)	NSW	456.6	437.6	2021	142
55066	Wallabadah (Woodton)	NSW	471.2	467.2	2000	126
63022	Cowra Ag Research Station	NSW	422.9	358.4	2021	116
63029	Mandurama (Gallymont (Homeleigh))	NSW	490.8	437.4	1966	116
63073	Rockley Post Office	NSW	390.4	371.6	1950	128
65010	Cudal Post Office	NSW	437.4	400.6	1950	137
65019	Gooloogong Post Office	NSW	436.0	323.5	2021	113
65020	Manildra (George St)	NSW	393.8	338.0	2021	112
65022	Manildra (Hazeldale)	NSW	434.2	397.8	1950	135
70025	Crookwell Post Office	NSW	453.0	406.2	1966	140



70032	Fairlight Station	NSW	505.0	500.6	2010	139
70071	Goulburn (Pomeroy)	NSW	408.6	378.5	1917	121
72008	Tarcutta (Wollumbi)	NSW	409.7	379.7	2010	107
72023	Hume Reservoir	NSW	464.2	405.9	1934	101
72050	Wymah (Gwandallen)	NSW	531.2	416.4	1992	115
73007	Burrinjuck Dam	NSW	459.1	456.8	1949	115
73017	Greenethorpe (Iandra)	NSW	385.4	322.1	2021	126
73019	Junee Treatment Works	NSW	328.6	325.2	1917	129
73021	Koorawatha (Boorowa Street)	NSW	402.0	336.6	1950	113
73023	Kangiarra (Laverstock)	NSW	476.0	356.8	1950	116
73037	Temora Ambulance Station	NSW	343.8	327.0	1917	137
73041	Wombat (Tumbleton)	NSW	419.6	404.8	2016	135
73044	Wantabadgery	NSW	334.4	315.7	2010	139
73054	Wyalong Post Office	NSW	357.1	263.0	1993	115
73100	Bumbaldry (Bushview)	NSW	470.0	367.1	2016	123
74002	Ariah Park Post Office	NSW	381.4	297.1	1917	120
74004	Balldale Post Office	NSW	417.4	338.2	2010	112
74005	Barellan Post Office	NSW	264.6	253.4	1993	144
74034	Corowa Airport	NSW	414.7	324.8	1992	132
74040	Jerilderie (Pooginook)	NSW	361.6	225.5	1912	118
74042	Finley Post Office	NSW	352.9	240.4	1952	125
74050	Grong Grong (Junee St)	NSW	299.4	289.9	1916	123
74053	Henty Post Office	NSW	404.0	344.2	2021	122
74055	Jerilderie Treatment Works	NSW	383.2	240.5	2010	134
74081	Mulwala Post Office	NSW	399.1	259.7	1973	115
74087	Urana (Nowranie)	NSW	328.8	301.8	2010	131
74088	Oaklands General Store	NSW	417.8	311.4	2010	101
74104	The Rock Post Office	NSW	375.4	327.8	1916	125
74110	Urana Post Office	NSW	396.8	262.4	1916	151
74118	Whitton (Conapaira St)	NSW	297.4	231.8	2010	123
74129	Mathoura (Mathoura Station)	NSW	332.7	267.4	1906	125
74236	Bungowannah (Roseleigh)	NSW	429.0	370.6	1992	130
75006	Binya Post Office	NSW	327.2	290.4	2021	136
75007	Booligal (Belmont)	NSW	350.8	267.5	2010	133
75012	Wakool (Calimo)	NSW	372.2	288.0	1906	140
75026	Groongal (Groongal Station)	NSW	315.5	262.0	1978	143
75032	Hillston Airport	NSW	317.0	302.8	2010	137
75039	Lake Cargelligo Airport	NSW	343.9	268.1	2010	140
75046	Moulamein Post Office	NSW	336.8	226.7	1917	135
75049	Maude (Nap Nap)	NSW	336.8	243.6	1973	134
75054	Conargo (Puckawidgee)	NSW	375.6	210.6	1917	142



75062	Moulamein (Tchelery)	NSW	342.8	231.3	1916	137
75069	Booligal (Ulonga)	NSW	291.0	244.1	2010	136
75081	Wanganella (Bundyulumbulah)	NSW	304.0	279.8	1975	108
76038	Murrayville	VIC	262.8	217.3	1964	113
76044	Nyah	VIC	381.2	254.3	1964	113
76047	Ouyen (Post Office)	VIC	305.9	234.8	1964	112
76050	Pira Wild Horse Plains	VIC	405.6	243.2	2000	123
76069	Winnambool (Kulwin)	VIC	321.6	253.3	1954	100
77001	Quambatook (Barraport North)	VIC	294.2	257.0	2010	111
77005	Berriwillock	VIC	304.0	252.8	1992	120
77008	Birchip (Woodlands)	VIC	279.8	250.6	1975	129
77009	Boigbeat	VIC	320.8	239.7	1975	112
77014	Culgoa	VIC	286.2	239.9	1992	122
77015	Gama	VIC	297.0	221.9	1917	109
77016	Boort (Gredgwin)	VIC	302.2	265.6	2010	106
77025	Lake Boga	VIC	319.2	251.5	1917	112
77028	Birchip (Marlbed)	VIC	294.8	252.4	1975	118
77034	Quambatook South	VIC	289.8	268.6	2010	131
77036	Rainbow (Pella)	VIC	293.0	273.9	1964	119
77039	Sea Lake (Post Office)	VIC	303.5	243.5	1964	116
77040	Sea Lake (Marston Downs)	VIC	315.2	243.6	1992	115
77048	Ultima (Post Office)	VIC	319.0	255.7	2010	121
77051	Rainbow (Werrap (Oak-Lea))	VIC	266.4	251.4	1975	125
77052	Woomelang	VIC	299.4	233.4	1992	117
77079	Ninyeunook	VIC	259.5	250.6	2010	132
78000	Warracknabeal (Ailsa)	VIC	287.9	245.2	1924	126
78010	Dimboola	VIC	276.8	269.2	1924	145
78013	Gerang Gerung	VIC	288.6	258.0	1964	123
78029	Minyip (Post Office)	VIC	326.8	280.6	1924	108
78038	Warracknabeal (Earlstan)	VIC	320.6	239.9	1924	123
78086	Jeparit	VIC	321.6	249.9	1924	120
79011	Edenhope (Elizabeth St)	VIC	327.1	292.0	1975	129
79017	Goroke (Post Office)	VIC	301.8	265.4	1992	127
79019	Great Western (Seppelt)	VIC	309.3	301.0	1894	131
79028	Longerenong	VIC	285.0	282.8	1975	135
79036	Natimuk	VIC	285.6	270.6	1975	127
79037	Navarre	VIC	341.4	330.2	1975	125
80002	Boort	VIC	286.0	270.2	2010	128
80015	Echuca Aerodrome	VIC	338.2	272.7	1975	144
80017	Gladfield Hopefield Estate	VIC	313.2	242.1	1975	134
80020	Gunbower (Circle T Wiltipol)	VIC	319.2	275.8	1993	102



80023	Kerang	VIC	273.3	263.2	1993	143
80024	Kerang (Meran Downs)	VIC	356.0	255.0	2010	143
80036	Mincha	VIC	292.8	248.2	1973	119
80044	Patho West	VIC	386.6	265.4	1992	102
80049	Rochester	VIC	320.7	303.2	1992	119
80061	Wedderburn (Post Office)	VIC	361.6	339.8	1975	141
80065	Yarroweyah	VIC	379.5	275.2	1975	129
81000	Avoca (Post Office)	VIC	396.3	361.4	1995	139
81007	Caniambo	VIC	377.2	312.0	1993	120
81008	Colbinabbin	VIC	359.8	341.8	1975	124
81016	Elmore	VIC	323.6	322.8	1992	127
81034	Mooroopna	VIC	322.8	320.3	1916	125
81047	Tarnagulla	VIC	328.4	296.2	1992	127
82010	Chiltern (Post Office)	VIC	509.6	409.4	1992	137
82015	Eldorado	VIC	416.6	387.9	1917	132
82021	Indigo	VIC	470.9	410.0	2010	118
82039	Rutherglen Research	VIC	445.2	371.0	1992	110
82041	Springhurst	VIC	427.3	367.4	1917	117
82043	Strathbogie North	VIC	768.0	603.6	1975	132
82047	Tallangatta (Bullioh)	VIC	535.2	506.2	1917	135
82049	Violet Town	VIC	450.9	393.0	1993	137
82057	Wooragee	VIC	551.8	433.2	2010	123
82058	Yackandandah	VIC	626.2	615.4	1917	137
87007	Morrisons (Ballark)	VIC	412.6	377.5	1916	133
87014	Bungaree (Kirks Reservoir)	VIC	477.4	472.3	1916	142
88002	Avenel (Post Office)	VIC	378.2	357.7	1916	121
88015	Clunes	VIC	374.2	306.0	2016	145
88020	Daylesford	VIC	532.1	474.0	1975	156
88023	Lake Eildon	VIC	442.8	438.5	1992	135
88029	Heathcote	VIC	438.2	382.8	1949	146
88042	Malmsbury Reservoir	VIC	486.0	469.0	1975	151
88056	Talbot (Post Office)	VIC	381.0	311.4	1975	123
89002	Ballarat Aerodrome	VIC	389.6	374.1	1916	115
89010	Cressy	VIC	317.6	312.5	1952	116
89011	Dunkeld	VIC	357.0	335.9	1916	126
89016	Lake Bolac (Post Office)	VIC	324.7	288.0	1992	111
89018	Lismore (Post Office)	VIC	343.4	326.0	1975	104
89019	Mirranatwa (Bowacka)	VIC	422.4	402.2	1916	122
89022	Moutajup	VIC	331.2	304.1	1992	123
89033	Wickliffe	VIC	332.4	289.8	1906	144
89034	Willaura (Main Street)	VIC	384.6	312.8	1906	121

89103	Derrinallum (Craigmore)	VIC	352.0	333.0	1992	125
90062	Penshurst (The Gums)	VIC	327.6	322.0	1916	117
90063	Penshurst (Post Office)	VIC	346.4	342.1	1916	141
92001	Apslawn	TAS	482.8	449.9	1976	116
92008	Cranbrook (Cranbrook House)	TAS	463.4	372.2	2013	119
93007	York Plains (Handroyd)	TAS	287.4	270.9	1923	107
94071	Eaglehawk Neck (Jetty Road)	TAS	448.2	426.8	2021	107

SI Table 5. Number of streamflow sites in each decile category, compared to all years since 1975, for the period September to December 2022. Very much above average = highest 10%, above average = highest 30%, below average = lowest 30%, very much below average = lowest 10%.

Streamflow decile categories	MDB		SEC NSW		SEC VIC		SA Gulf		TAS		Total sites	% of sites
	Sites	% of sites	Sites	% of sites	Sites	% of sites	Sites	% of sites	Sites	% of sites		
September 2022												
Highest on record	36	10.7	45	40.5	0	0.0	1	11.1	0	0.0	82	13.5
Very much above average	150	44.6	44	39.6	11	8.6	0	0.0	6	27.3	211	34.8
Above average	134	39.9	20	18.0	70	54.7	5	55.6	5	22.7	234	38.6
Average	14	4.2	2	1.8	47	36.7	3	33.3	8	36.4	74	12.2
Below average	1	0.3	0	0.0	0	0.0	0	0.0	2	9.1	3	0.5
Very much below average	1	0.3	0	0.0	0	0.0	0	0.0	1	4.5	2	0.3
Total	336		111		128		9		22		606	
October 2022												
Highest on record	195	58.9	44	39.6	36	28.3	2	20.0	7	31.8	284	47.3
Very much above average	115	34.7	65	58.6	48	37.8	1	10.0	12	54.5	241	40.1
Above average	16	4.8	1	0.9	38	29.9	5	50.0	1	4.5	61	10.1
Average	3	0.9	0	0.0	5	3.9	2	20.0	1	4.5	11	1.8
Below average	1	0.3	1	0.9	0	0.0	0	0.0	1	4.5	3	0.5
Very much below average	1	0.3	0	0.0	0	0.0	0	0.0	0	0.0	1	0.2
Total	331		111		127		10		22		601	
November 2022												
Highest on record	179	53.8	5	4.5	51	40.8	5	55.6	2	9.1	242	40.3
Very much above average	122	36.6	34	30.6	59	47.2	3	33.3	13	59.1	231	38.5
Above average	27	8.1	56	50.5	11	8.8	1	11.1	6	27.3	101	16.8
Average	4	1.2	16	14.4	3	2.4	0	0.0	0	0.0	23	3.8
Below average	0	0.0	0	0.0	0	0.0	0	0.0	1	4.5	1	0.2
Very much below average	1	0.3	0	0.0	1	0.8	0	0.0	0	0.0	2	0.3
Total	333		111		125		9		22		600	
December 2022												
Highest on record	24	7.4	0	0.0	1	1.1	0	0.0	0	0.0	25	4.5

Very much above average	78	23.9	12	10.8	42	46.7	5	55.6	5	22.7	142	25.4
Above average	137	42.0	29	26.1	44	48.9	4	44.4	12	54.5	226	40.5
Average	68	20.9	68	61.3	3	3.3	0	0.0	4	18.2	143	25.6
Below average	16	4.9	2	1.8	0	0.0	0	0.0	1	4.5	19	3.4
Very much below average	3	0.9	0	0.0	0	0.0	0	0.0	0	0.0	3	0.5
Total	326		111		90		9		22		558	

SI Table 6. Number of streamflow sites in each decile category, compared to all years since 1975, for December 2010. Very much above average = highest 10%, above average = highest 30%, below average = lowest 30%, very much below average = lowest 10%.

Streamflow decile categories	MDB		SEC NSW		SEC VIC		SA Gulf		TAS		Total sites	% of sites
	Sites	% of sites	Sites	% of sites	Sites	% of sites	Sites	% of sites	Sites	% of sites		
Highest on record	226	65.5	43	38.1	15	11.5	1	11.1	4	19	289	46.7
Very much above average	81	23.5	49	43.4	37	28.2	6	66.7	3	14.3	176	28.4
Above average	15	4.3	17	15.0	47	35.9	1	11.1	8	38.1	88	14.2
Average	13	3.8	2	1.8	25	19.1	1	11.1	4	19	45	7.3
Below average	5	1.4	1	0.9	7	5.3	0	0.0	2	9.5	15	2.4
Very much below average	2	0.6	0	0.0	0	0.0	0	0.0	0	0.0	2	0.3
Total	345		113		131		9		21		619	

SI Table 7. Significant Flood peak heights in spring 2022, from the Bureau's peak height database. River names are the same as the Basin name except where noted. Water levels are in metres to local gauge datums except where denoted by AHD (Australian Height Datum¹). Peak heights which exceeded verifiable historical record peaks are shown in bold. The historical record peaks are sourced from Bureau's peak height database, state Agency reports or published studies of historical floods. Major flooding days are counted as calendar days above Major flood level between 1 September and 30 November 2022.

State	Basin Name	Location	Peak height	Peak height date	Major Flood level	Peak height above major level	Major flooding days	Historical record peak (year)
VIC	Avoca River	Charlton Town	7.86 m	17/10/2022	7.5 m	0.36 m	3	8.90 m (2011)
NSW	Border Rivers	Mungindi Tm (Barwon River)	7.77 m	3/11/2022	7.2 m	0.57 m	28	8.46 m (1903)
QLD	Border Rivers	Goondiwindi Tm (Macintyre River)	10.19 m	24/10/2022	8.5 m	1.69 m	8	10.64 m (2011)
NSW	Border Rivers	Yetman Bridge (Macintyre River)	9.95 m	23/10/2022	9.1 m	0.85 m	1	11.70 m (1976)
VIC	Broken River	Orrvale	8.33 m	17/10/2022	7.9 m	0.43 m	3	
VIC	Broken River	Caseys Weir	3.58 m	15/10/2022	3.0 m	0.58 m	2	
VIC	Campaspe River	Barnadown	8.65 m	14/10/2022	5.0 m	3.65 m	4	

¹ See Geoscience Australia for further information. <https://www.ga.gov.au/scientific-topics/positioning-navigation/geodesy/datums-projections/australian-height-datum-ahd>.

VIC	Campaspe River	Rochester Town	115.65 m AHD	15/10/2022	114.5 m AHD	1.15 m	4	115.40 m AHD (2011)
VIC	Campaspe River	D/S Lake Eppalock	162.69 m AHD	13/10/2022	162.4 m AHD	0.29 m	1	
NSW	Condamine-Culgoa Rivers	New Angledool No 2 (Narren River)	4.08 m	29/09/2022	3.8 m	0.28 m	29	4.56 m (2011)
NSW	Condamine-Culgoa Rivers	Mogil Mogil (Barwon River)	8.93 m	8/11/2022	8.3 m	0.63 m	21 m	10.03 m (1976)
QLD	Condamine-Culgoa Rivers	Warkon	9.52 m	27/10/2022	9.0 m	0.52 m	7	12.03 m (2011)
NSW	Darling River	Tilpa	13.02 m	30/11/2022	11.5 m	1.52 m	52	13.35 m (1976)
NSW	Darling River	Louth	13.40 m	29/11/2022	12.0 m	1.40 m	37	
VIC	Goulburn River	Murchison	12.02 m	15/10/2022	10.7 m	1.32 m	5	
VIC	Goulburn River	Shepparton	12.06 m	17/10/2022	11.0 m	1.06 m	5	12.09 m (1974)
VIC	Goulburn River	McCoys Bridge	10.58 m	18/10/2022	10.2 m	0.38 m	5	
VIC	Goulburn River	Kialla West (Seven Creeks)	7.54 m	15/10/2022	6.6 m	0.94 m	4	
VIC	Goulburn River	Seymour	8.26 m	14/10/2022	7.0 m	1.26 m	3	7.64 m (1974)
VIC	Goulburn River	Euroa(Seven Creeks)	5.59 m	14/10/2022	4.6 m	0.99 m	2	
VIC	Goulburn River	Acheron River @ Taggerty	3.24 m	14/10/2022	3.0 m	0.24 m	1	
NSW	Gwydir River	Yarraman Bridge	7.52 m	23/10/2022	7.0 m	0.52 m	9	7.55 m (1955)
NSW	Gwydir River	Moree (Mehi River)	10.50 m	23/10/2022	8.8 m	1.70 m	5	10.87 m (1955)
NSW	Gwydir River	Gravesend Rd Bdg	16.19 m	21/10/2022	12.0 m	4.19 m	3	17.5 m (1955)
NSW	Gwydir River	Pallamallawa	10.54 m	22/10/2022	10.4 m	0.14 m	2	11.06 m (1950)
NSW	Hastings River	Laurieton (Mill Street)	3.81 m	2/11/2022	1.7 m	2.11 m	1	2.47 m (2021)
VIC	Kiewa River	Bandiana	3.34 m	14/11/2022	3.3 m	0.04 m	2	
NSW	Lachlan River	Euabalong	7.82 m	23/11/2022	6.8 m	1.02 m	67	7.52 m (1952)
NSW	Lachlan River	Jemalong Weir D/S	8.43 m	18/11/2022	7.7 m	0.73 m	46	8.89 m (1952)
NSW	Lachlan River	Condobolin Bridge	7.59 m	20/11/2022	6.7 m	0.89 m	43	7.37 m (1952)
NSW	Lachlan River	Hillston Weir	3.30 m	30/11/2022	3.0 m	0.30 m	42	3.27 m (1990)
NSW	Lachlan River	Cottons Weir	7.43 m	17/11/2022	6.6 m	0.83 m	27	7.49 m (1950)
NSW	Lachlan River	Nanami	13.79 m	16/11/2022	10.7 m	3.09 m	16	15.30 m (1870)
NSW	Lachlan River	Forbes Iron Bridge	10.69 m	17/11/2022	10.55 m	0.14 m	12	10.80 m (1952)
NSW	Lachlan River	Canowindra U/S (Belubula River)	5.78 m	14/11/2022	4.5 m	1.28 m	5	4.83 m (2010)
NSW	Lachlan River	Cowra	14.28 m	15/11/2022	13.4 m	0.88 m	2	
VIC	Loddon River	Appin South	3.47 m	21/10/2022	3.3 m	0.17 m	7	
VIC	Loddon River	D/S Laanecoorie	8.38 m	14/10/2022	5.5 m	2.88 m	4	



VIC	Loddon River	D/S Cairn Curran	5.81 m	14/10/2022	4.0 m	1.81 m	3	
SA	Lower Murray River	Swan Reach 3km Ds Ferry	7.74 m	26/10/2022	6.7 m	1.04 m	1	
NSW	Macleay River	Kempsey Rd Bridge	9.00 m	14/09/2022	6.6 m	2.40 m	3	8.52 m (1949)
NSW	Macleay River	Bellbrook	18.58 m	17/11/2022	13.5 m	5.08 m	2	
NSW	Macquarie-Bogan Rivers	Warren Town (Macquarie River)	9.77 m	14/10/2022	9.0 m	0.77 m	63	10.01 m (1955)
NSW	Macquarie-Bogan Rivers	Gongolgon (Bogan River)	1.41 m	14/11/2022	1.3 m	0.11 m	39	1.51 m (1955)
NSW	Macquarie-Bogan Rivers	Bourke Town (Darling River)	13.95 m	23/11/2022	12.7 m	1.25 m	34	14.18 m (1976)
NSW	Macquarie-Bogan Rivers	Brewarrina (Barwon River)	10.21 m	15/11/2022	9.5 m	0.71 m	26	12.14 m (1893)
NSW	Macquarie-Bogan Rivers	Mudall (Bogan River)	3.67 m	29/09/2022	3.6 m	0.07 m	10	3.95 m (1990)
NSW	Macquarie-Bogan Rivers	Nyngan (Bogan River)	4.27 m	2/11/2022	4.2 m	0.07 m	6	5.23 m (1990)
NSW	Macquarie-Bogan Rivers	Dandaloo (Bogan River)	6.15 m	24/09/2022	6.0 m	0.15 m	5	6.82 m (1990)
NSW	Macquarie-Bogan Rivers	Bathurst Stanley Street (Macquarie River)	6.64 m	14/11/2022	5.7 m	0.94 m	2	6.69 m (1998)
NSW	Macquarie-Bogan Rivers	Mulgawarrina (Bogan River)	5.60 m	18/10/2022	5.5 m	0.10 m	1	5.94 m (1955)
NSW	Mallee	Wentworth Lock 10 (Murray River)	33.93 m AHD	30/11/2022	33.88 m AHD	0.05 m	3	34.86 m AHD (1870)
VIC	Maribyrnong River	Keilor	8.60 m	14/10/2022	6.1 m	2.50 m	2	
VIC	Maribyrnong River	Maribyrnong	4.22 m	14/10/2022	2.9 m	1.32 m	2	4.50 m (1906)
TAS	Mersey River	Kimberley	4.68 m	14/10/2022	4.0 m	0.68 m	2	5.40 m (2016)
TAS	Mersey River	Latrobe Bridge	4.50 m	14/10/2022	4.0 m	0.50 m	2	4.60 m (2016)
NSW	Murray-Riverina	Barham (Murray River)	6.22 m	26/10/2022	6.1 m	0.12 m	49	6.23 m (1939)
NSW	Murray-Riverina	Torrumbarry (Murray River)	7.84 m	24/10/2022	7.8 m	0.04 m	46	7.87 m (1974)
NSW	Murray-Riverina	Echuca Wharf (Murray River)	94.98 m AHD	26/10/2022	94.4 m AHD	0.58 m	26	96.195 m AHD (1870)
VIC	Murray-Riverina	Below Wakool Junction (Murray River)	11.73 m	13/11/2022	11.5 m	0.23 m	25	
VIC	Murray-Riverina	Boundary Bend (Murray River)	9.10 m	30/11/2022	9.0 m	0.10 m	18	
NSW	Murray-Riverina	Moulamein (Edward River)	6.24 m	30/11/2022	6.1 m	0.14 m	12	
NSW	Murray-Riverina	Tocumwal (Murray River)	7.40 m	17/11/2022	7.31 m	0.09 m	2	8.65 m (1995)
NSW	Murray-Riverina	Albury (Murray River)	5.52 m	14/11/2022	5.5 m	0.02 m	1	5.89 m (1870)
NSW	Murrumbidgee River	Hay Town Gauge	9.11 m	16/11/2022	8.0 m	1.11 m	35	9.02 m (1974)
NSW	Murrumbidgee River	Balranald Weir D/S	7.38 m	30/11/2022	7.1 m	0.28 m	12	6.89 m (2016)

NSW	Murrumbidgee River	Gundagai	9.76 m	2/11/2022	8.5 m	1.26 m	6	
NSW	Murrumbidgee River	Darlington Pt	7.60 m	10/11/2022	7.3 m	0.30 m	6	7.80 m (2012)
NSW	Murrumbidgee River	Narrandera	8.49 m	7/11/2022	8.2 m	0.29 m	4	9.00 m (1974)
NSW	Murrumbidgee River	Wagga Wagga	9.72 m	4/11/2022	9.6 m	0.12 m	2	
NSW	Murrumbidgee River	Cooma Smec (Cooma Back Creek)	2.16 m	25/10/2022	1.8 m	0.36 m	1	
NSW	Murrumbidgee River	Koolaroo (Cooma Creek)	3.96 m	25/10/2022	3.8 m	0.16 m	1	4.30 m (2007)
NSW	Namoi River	Glencoe Wee Waa	7.61 m	26/10/2022	6.7 m	0.91 m	40	9.12 m (1955)
NSW	Namoi River	Walgett (Barwon River)	13.37 m	6/11/2022	12.5 m	0.87 m	21	13.84 m (1890)
NSW	Namoi River	Gunnedah	8.47 m	24/10/2022	7.9 m	0.57 m	14	
NSW	Namoi River	Goangra	8.32 m	1/11/2022	7.8 m	0.52 m	10	8.94 m (1971)
NSW	Namoi River	Narrabri (Narrabri Creek)	7.65 m	26/10/2022	6.7 m	0.95 m	4	9.50 m (1955)
VIC	Ovens River	Docker Rd Bridge (King River)	4.28 m	14/10/2022	4.1 m	0.18 m	4	4.76 m (1993)
VIC	Ovens River	Wangaratta	12.78 m	15/10/2022	12.7 m	0.08 m	2	
VIC	Snowy River	D/S Basin Creek	7.87 m	26/10/2022	6.6 m	1.27 m	2	8.129 m (2012)
VIC	Snowy River	Orbost	7.73 m	27/10/2022	7.0 m	0.73 m	2	
VIC	Snowy River	Jarrahmond	8.69 m	26/10/2022	7.4 m	1.29 m	1	
TAS	Tamar River	Strathbridge (Meander River)	9.45 m	15/10/2022	7.0 m	2.45 m	3	8.66 m (1998)
TAS	Tamar River	Westwood Bridge (Meander River)	8.50 m	16/10/2022	7.0 m	1.50 m	3	11.50 m (2016)
TAS	Tamar River	Deloraine Railway Bridge (Meander River)	4.44 m	14/10/2022	3.0 m	1.44 m	2	4.15 m (1929)
TAS	Tamar River	Corra Linn (North Esk River)	6.20 m	14/10/2022	4.9 m	1.30 m	2	6.44 m (2016)
TAS	Tamar River	Cressy Pumps (Macquarie River)	5.73 m	14/10/2022	5.0 m	0.73 m	2	5.41 m (2016)
TAS	Tamar River	Meander (Meander River)	3.75 m	14/10/2022	3.5 m	0.25 m	1	
TAS	Tamar River	Llewellyn (South Esk River)	8.60 m	14/10/2022	8.5 m	0.10 m	1	11.02 m (2011)
VIC	Werribee River	Ballan	3.43 m	13/10/2022	3.0 m	0.43 m	1	
VIC	Wimmera-Avon Rivers	Glenorchy (Wimmera River)	5.00 m	15/10/2022	4.8 m	0.20 m	2	