



SIGNIFICANT WEATHER – April 2006

SUMMARY

Tropical cyclones *Hubert* in Western Australia caused minor damage while *Monica* in the Northern Territory caused widespread damage. Widespread moderate flooding occurred in Queensland causing widespread moderate flooding. In the Northern Territory two flood producing events occurred during the month.

Winds were reported in most states including a tornado in Western Australia and the Northern Territory.

TROPICAL CYCLONES

Western Australia

Tropical Cyclone Hubert

From the 4th to the 7th, tropical cyclone *Hubert* formed as a low north of the Pilbara coast and reached cyclone intensity late on the 5th and moved southwards towards the west Pilbara coast. Gales were recorded on the coast prior to the cyclone crossing the coast between Onslow and Mardie late on the 7th then weakened and was downgraded to a tropical low at midnight on the 7th. No major damage was reported on shore although there were economic losses to the gas and oil extraction industry on the north and west shelf.

Northern Territory/Queensland

Tropical Cyclone Monica

Tropical cyclone *Monica* formed in the Coral Sea on the 17th from a tropical low which originated east of New Guinea. *Monica* intensified to category 3 before crossing the

Cape York Peninsula just south of Lockhart River during the afternoon of the 19th. The cyclone weakened over land but re-intensified in the eastern Gulf of Carpentaria on the 20th, and moved slowly northwest, intensifying to category 5 by the afternoon of the 22nd about 260 kilometres east of Nhulunbuy. *Monica* reached its maximum estimated intensity of 905 hPa with wind gusts to 350 km/h on the 23rd, while passing 110 kilometres northeast of Nhulunbuy.

The cyclone then turned west, crossed the Wessel Islands and turned towards the mainland coast early on the 24th maintaining its maximum intensity. *Monica* made landfall on the same day at Junction Bay, about 35 kilometres westnorthwest of Maningrida. The cyclone weakened rapidly as it moved inland, passing over Oenpelli and Jabiru then turned west towards Darwin. *Monica* weakened further into a tropical depression on the 25th over the Marrakai floodplains, passed over Darwin, then moved southwest along the Top End coast.

Tropical cyclone *Monica* was the strongest tropical cyclone on record to affect the Northern Territory. Sustained winds with very destructive gusts caused extensive defoliation and felling of trees in a 50 kilometres wide area west of Maningrida, extending inland over parts of Kakadu National Park to the escarpment near Oenpelli. Similar vegetation damage occurred on Marchinbar Island in the Wessel Island group. A dozen houses and a school in Maningrida were unroofed or extensively damaged by falling trees. A building at Martjanba Outstation in the Wessel Islands was completely destroyed. Houses were damaged and power lines downed by falling trees in Milingimbi, Oenpelli, Jabiru and Ngayawili (Elcho Island). Power lines were also damaged in Yirrkala, Ramingining, Waruwi (Goulburn Island) and other smaller communities and outstations.

Very heavy rainfall was recorded in parts of the western Arnhem district on the 23rd and 24th, in the Darwin-Daly district on the 25th and in the Victoria River District on the 26th. The highest 24-hour totals included Ngayawili 190mm on the 24th; Adelaide River East 225mm, Elizabeth Valley 192mm, Noonamah 186mm, Darwin River Ridge 174mm, Humpty Doo 166mm and Channel Island 153mm on the 25th; and Kidman Springs 261mm, Coolibah 216mm and Dashwood Crossing 129mm on the 26th. Flood waters cut the Arnhem Highway at the Adelaide River and Cox Peninsula Road at Berry Creek.

THUNDERSTORMS

New South Wales

On the 5th at Byron Bay (Northern Rivers) heavy rain caused flash flooding in the Byron Bay area. Strong winds uprooted trees and a lighthouse was struck by lightning.

Heavy rain on the 16th at Byron Bay (Northern Rivers) produced 40mm of rain in 1 hour and a total of 83mm in 3 hours.

Northern Territory

On the 5th a squall line uprooted trees, snapped one tree and brought down branches near the Katherine Rural College (16 kilometres northwest of Katherine). There was very heavy rain, with white-out conditions and water 5-8 cm deep.

FLOODING

Queensland

At the beginning of the month, storms caused moderate flooding in the Don River. Widespread rainfall in the western part of the State resulted in floods in the Thomson and Barcoo Rivers which extended down to Cooper Creek well into May. Cyclone *Monica* produced heavy rain on the North Tropical Coast during the middle of the month with flooding resulting in most of the coastal rivers and streams from the Daintree to the Tully Rivers.

Northern Territory

Early in the month from the 2nd to the 6th, a low-pressure system moved across from the Torres Strait, crossed the Gove peninsula, and drifted into central Arnhem Land before finally turning back to the southeast near Borroloola. Rainfall from this event caused major flooding at Katherine.

Later in the month, from the 23rd to the 28th, tropical cyclone *Monica* traversed the north coast of the Top End before crossing the coast near Maningrida. The system then travelled west across Jabiru and Darwin before turning south into the Victoria River region and finally southeast towards Daly Waters. Both events produced widespread heavy rain that caused flooding across most of the Top End.

Katherine River at Nitmiluk Centre:

The Katherine River at Nitmiluk Centre began rising steeply from 1 metre on the 3rd to peak at a major flood level of about 9.5 metres on the 6th.

Katherine River at Stuart Highway:

The Katherine River at the Stuart Highway Bridge rose swiftly from a low level of 5.8 metres on the 3rd to peak at a major flood level of about 19 metres on the 6th. The river remained near this level until it began to fall on the morning of the 8th. The floodwaters inundated some of the Katherine CBD and much of Katherine South. Several hundred people, including the hospital and aged care facilities, were evacuated to Katherine East. Damage to infrastructure amounted to about \$17.5 million.

Daly River Catchment:

The Fergusson River near Bondi Creek rose steeply from about 7 metres on the 3rd, before peaking at a major flood height of 14.5 metres about midday on the 5th, before falling just as steeply.

Daly River at Dorisvale Crossing:

The Daly River at Dorisvale Crossing rose steeply on the 4th to a major flood peak of 20.9 metres on the 10th. The river, supplemented by floodwaters from the Katherine River, remained above 20 metres for several more days

(from the 6th to the 12th) before beginning to fall steeply.

Daly River at Beeboom Crossing:

The Daly River at Beeboom Crossing was above the moderate flood level of 14 metres from the beginning of the month. As the floodwaters from the Katherine River arrived, it gradually reached a major flood peak of 16 metres on the 14th before going into recession. The river later rose from below 4 metres on the 25th to reach a moderate flood level of 14 metres on the 28th. It remained at this level until the end of the month.

Adelaide River Catchment:

The Adelaide River at Adelaide River rose quickly from 2 metres on the 25th, to a major flood peak of 11.4 metres, which threatened the town on the 26th before subsiding.

Adelaide River at Arnhem Highway:

The Adelaide River at the Arnhem Highway reached major flood level, inundated the floodplains and the Arnhem Highway, and interrupted traffic to and from Jabiru and Kakadu for several days.

Roper River Catchment:

The Waterhouse River at Beswick began rising from about 5 metres on the 3rd. The river rose quickly to peak at a major flood level of 9.2 metres about midnight on the 5th. This flooding entered many buildings including the health care centre, and forced evacuations of many residents to higher ground for a couple of days. The river then receded to base flow level by the end of the month.

Waterhouse River at Mataranka Homestead Resort:

The Waterhouse River at Mataranka Homestead Resort began rising on the 5th. The river continued rising steeply at a major flood level of 6.3 metres and flooded the Homestead Resort on the 6th.

WIND/TORNADO

New South Wales

Wind gusts greater than 90 km/h were reported on the following days:

1st	Green Cape 98 km/h
4th	Ballina 93 km/h
5th	Thredbo 109 km/h
7th	Green Cape 91 km/h
11th	Thredbo 98 km/h
12th	Thredbo 94 km/h
17th	Thredbo 113 km/h
18th	Thredbo 124 km/h
19th	Thredbo 109 km/h
20th	Thredbo 104 km/h
21st	Montague Island 113 km/h

Victoria

On the 1st gusty southwesterly winds behind a frontal change produced wind gusts to 109 km/h with average winds of 91 km/h at Wilsons Promontory and 100 km/h at Gabo Island.

Wind gusts greater than 90 km/h were reported on the following days:

5th	Mt Hotham 102 km/h
6th	East Sale 94 km/h
7th	Wilsons Promontory 131 km/h.
11th	Colac 93 km/h, Mt Hotham 113 km/h Wilsons Promontory 98 km/h
15th	Wilsons Promontory 124 km/h
17th	Mt Hotham 115 km/h, Mt Buller 91 km/h Ballarat 91 km/h, Mt Hotham 115 km/h Colac 93 km/h, Laverton 93 km/h Essendon 94 km/h, Melbourne 96 km/h Dunns Hill 102 km/h
18th	Mt Hotham 120 km/h, Mt Buller 93 km/h Wilsons Promontory 94 km/h
19th	Mt Hotham 111 km/h, Mt Buller 91 km/h Colac 93 km/h
20th	Mt Hotham 111 km/h, Wilsons Promontory 105 km/h Colac 107 km/h
21st	Falls Creek 91 km/h
23rd	Wilsons Promontory 98 km/h

Tasmania

A deep low pressure system southeast of Tasmania brought gale force southwesterly

winds, reaching storm force at times, between the 6th and the 8th. Many sites, especially in the southeast, reported gusts over 90 km/h. Tasman Island recorded a gust to 141 km/h on the 8th. There was very little structural damage reported from the winds, but the resultant heavy swells caused some beach erosion and other damage.

There was minor structural damage and power outages as a result of high winds on the 18th, especially in the northwest of the state.

Three people were drowned and another two rescued when their boat was hit by a wave and sank near Cape Pillar on the Tasman Peninsula on the 24th.

Due to the large number of severe winds this month, only wind gusts in excess of 110 km/h are reported. These were:

- 1st Tasman Island 111 km/h
- 6th Droughty Hill 130 km/h
Hogan Island 124 km/h
Cape Grim 120 km/h
Tasman Island 113 km/h
Cape Bruny 113 km/h
- 7th Tasman Island 128 km/h
Cape Grim 113 km/h
Cape Bruny 113 km/h
- 8th Tasman Island 141 km/h
Hogan Island 119 km/h
Mount Read 117 km/h
Maria Island 115 km/h
Hartz Mountain 113 km/h
Cape Bruny 113 km/h
- 9th Tasman Island 113 km/h,
- 11th Maatsuyker Island 115 km/h
Cape Grim 113 km/h
- 12th Maatsuyker Island 113 km/h
- 17th Mount Read 115 km/h
- 18th Maatsuyker Island 128 km/h
Droughty Hill 124 km/h
Mount Wellington 124 km/h
Scotts Peak Dam 122 km/h
Mount Read 120 km/h
- 19th Maatsuyker Island 119 km/h
- 20th Swan Island 120 km/h
Cape Grim 120 km/h

South Australia

On the 17th a north to northwest airstream ahead of a cold front resulted in gale force winds over the southern agricultural area

and were frequently in excess of 75 km/h. Gusts in excess of 90 km/h were also observed.

Western Australia

On the 25th a moderate cold front over the southwest caused wind gusts to 96 km/h at Cape Leeuwin during the morning. Within metropolitan Perth, there were reports of a tornado in Bibra Lake and Leeming and damage in Beeliar and Munster. The damage was minor.

Northern Territory

On the 15th afternoon and evening squall lines affected the Darwin and rural areas, causing severe wind gusts in Bynoe Harbour. The maximum recorded wind gust was 81 km/h at Howard Springs.

On the 25th a 91 km/h wind gust was recorded at Charles Point, near Darwin, as a result of ex-tropical cyclone *Monica*.

On the 26th a narrow tornado damage path was reported near Channel Point, north of the Daly River Mouth. Mangrove trees were snapped and the upper parts were found on a nearby beach. The tornado was associated with bands of thunderstorms early on the 26th as a result of ex-tropical cyclone *Monica*.

TEMPERATURE

Highest Mean Maximum Temperature for April

Station	Actual °C	Previous Highest °C	Year	Years of Record
Queensland				
<i>Monto Township</i>	29.3	29.3	1986	33
<i>Brian Pastures</i>	30.5	30.3	2005	36

Highest Mean Minimum Temperature for April

Station	Actual °C	Previous Highest °C	Year	Years of Record
Queensland				
<i>Richmond PO</i>	20.4	20.1	2000	111
<i>Cairns Aero</i>	23.5	21.1	1998	64
<i>Kairi Research Stn</i>	19.3	18.8	1998	45
<i>Walkamin Dpi</i>	20.1	19.8	1983	38
<i>Cardwell Marine Pde</i>	23.0	22.6	1998	97
<i>Innisfail</i>	23.3	22.9	1998	98
<i>South Jonstone Exp Stn</i>	22.8	22.6	1998	51

Townsville Aero	22.8	22.7	1983	66
Ingham Composite	22.4	22.3	1985	33
Ayr Dpi Research Stn	21.7	21.4	1998	51
Isisford PO	18.8	18.7	2000	88
Rockhampton Aero	19.6	19.6	1989	67
Double Island Point Lighthouse	21.1	21.0	1986	64

Lowest Mean Maximum Temperature for April

Station	Actual °C	Previous Lowest °C	Year	Years of Record
Queensland				
Kowanyama A/P	31.6	31.6	1971	38
New South Wales				
Thredbo AWS	6.1	7.3	1999	39
Tasmania				
Hobart (Ellerslie Road)	15.0	15.1	1996	125
Bushy Park (Bushy Park Estates)	15.1	15.3	1944	72
Maatsuyker Island Lighthouse	12.2	12.5	1996	71
Launceston Airport Comparison	14.9	15.1	1951	67
Grove (Comparison)	15.0	15.2	1965	49
Strathgordon Village	10.8	12.1	1977	36
Marawah	14.6	14.7	1995	32
Western Australia				
Albany A/P	18.7	19.3	1968	40
Emu Creek Stn	31.4	32.3	1995	32
Hyden	22.5	22.7	1975	31
Mardie	32.1	33.4	1968	48
Meekatharra A/P	25.2	25.4	1995	55
Northern Territory				
Larrimah	30.9	31.5	1985	41
Jabiru A/P	32.5	32.6	1975	27
Gove A/P	29.3	29.4	1971	27
Elliott	30.7	31.0	1983	24
Mango Farm	32.1	33.0	1985	24
Alyangula Police	30.0	30.1	2000	20
Wollogorang	30.6	31.4	1999	20

Lowest Mean Minimum Temperature for April

Station	Actual °C	Previous Lowest °C	Year	Years of Record
New South Wales				
Peak Hill	9.7	9.8	1995	40
Williamtown	11.0	11.3	1995	55
Gosford	9.5	9.7	1965	52
Cessnock	9.3	9.4	1996	32
Gulgong	6.9	7.6	1996	36
Bathurst Ag.	2.7	3.9	1997	97
Wollongong	12.3	12.4	1995	35
Camden	8.5	9.6	1977	34
Nerriga	3.2	4.1	1996	35
Taralga	3.6	4.1	1995	50
Goulburn	5.1	5.4	1995	34
Thredbo AWS	-0.9	-0.4	1999	39
Griffith	6.9	7.0	1972	35

Tasmania				
Bushy Park (Bushy Park Estates)	3.9	4.1	1995	72
Launceston Airport Comparison	4.4	4.5	1975	67
Eddystone Point	9.1	9.1	1965	48
Strathgordon Village	5.3	5.3	1995	35
Bicheno (Council Depot)	7.8	8.6	1999	32

Western Australia

Hyden	8.9	9.4	1995	31
Jurien Bay	11.5	11.6	1970	36
Kellerberrin	7.8	8.9	1916	93
Meekatharra A/P	14.5	14.6	1964	55
Merredin	9.7	10.1	1970	39
Pingelly	9.3	9.8	1980	34

Highest Daily Maximum Temperature for April

Station	Actual °C	Date	Previous Highest °C	Year	Years of Record
Queensland					
Tambo PO	37.1	4	37.0	1979	50
Taroom PO	36.9	4	36.3	1973	50
Baralaba PO	36.7	3	36.6	1967	37
Sandy Cape Lighthouse	31.4	4	31.1	1995	50
Monto Township	36.4	4	34.7	1980	33
Double Island Point Lighthouse	31.9	4	31.3	2002	46
University of Qld Gatton	37.4	4	37.0	1973	41
Brian Pastures	37.0	4	35.3	1996	38
Oakey A/P	35.0	4	33.6	1993	33
Injune PO	35.9	3	35.3	1968	39
Quilpie A/P	38.4	4	38.2	1998	49
New South Wales					
Gosford	32.9	5	32.8	1969	41
Riverview	32.7	5	32.6	1969	44

Lowest Daily Maximum Temperature for April

Station	Actual °C	Date	Previous Lowest °C	Year	Years of Record
Western Australia					
Onslow	23.2	7	24.5	1995	45
Northern Territory					
Wollogorang	23.4	7	26.0	1999	22
McArthur River Mine	22.2	7	23.8	1971	21
Alyangula Police	25.9	8	26.9	1999	20

Highest Daily Minimum Temperature for April

Station	Actual °C	Date	Previous Highest °C	Year	Years of Record
Queensland					
South Johnstone Exp Stn	25.0	13	24.7	1996	38
Springsure Dame St	22.9	4	22.8	2000	41

Tambo PO	25.9	4	25.0	1958	50
Taroom PO	25.1	4	24.2	1998	50
Brigalow Res. Stn	23.5	5	21.6	1989	37
Barcaldine PO	25.8	4	24.9	2000	45
Baralaba PO	25.7	4	23.9	1971	37
Gayndah PO	25.5	5	23.3	1937	112
Lady Elliot Island	26.4	5	25.9	1998	50
Monto Township	24.5	5	21.1	1988	33
Gladstone Radar	25.7	5	24.9	1998	49
Cape Moreton L/H	24.9	5	23.7	1998	50
Double Island	25.0	5	24.7	1966	46
Point Lighthouse					
Gympie	25.0	5	23.6	1977	42
Maryborough	24.5	5	24.2	1998	50
Nambour Dpi	24.0	5	21.8	1992	41
Brian Pastures	24.4	5	22.6	1998	38
Oakey Aero	21.7	5	19.5	1992	33
Injune PO	23.1	4	22.3	1998	39
New South Wales					
Bankstown	20.2	20	19.9	1998	37
Western Australia					
Kuri Bay	30.7	29	28.6	1998	34
Northern Territory					
Pirlangimpi AWS	26.2	25	26.1	2001	25

Lowest Daily Minimum Temperature for April

Station	Actual °C	Date	Previous Lowest °C	Year	Years of Record
New South Wales					
Murrurundi	-2.1	23	-2.0	1996	41
Williamtown	2.1	23	3.9	1996	55
Gosford	1.5	23	3.1	1978	41
Cessnock	0.5	23	1.0	1978	32
Paterson	1.3	23	4.0	1978	35
Bathurst Ag.	-5.0	23	-4.2	1976	40
Oberon	-4.0	16	-2.8	1965	41
Orange Ag.	-1.6	23	-1.4	1978	30
Parkes	0.5	22	1.2	1978	49
Riverview	6.1	24	6.2	1965	44
Prospect Dam	3.6	23	4.5	1996	41
Camden	-0.7	23	0.6	1986	34
Nerriga	-5.5	22	-3.5	1987	35
Yass	-3.5	22	-2.6	1987	40
Wagga Wagga	-2.1	22	-0.5	1999	64
Narrandera	-0.2	22	0.0	1996	36
Griffith	0.0	23	0.2	1978	35
Western Australia					
Geraldton A/P	6.1	28	6.6	2003	63
Pearce RAAF	2.0	17	3.6	1971	47
Salmon Gums RS	-0.7	20	0.0	1972	35
Wittenoom	10.2	29	11.0	1980	52

RAINFALL

Highest Monthly Rainfall on Record for April

Station	Actual mm	Previous Highest mm	Year	Years of Record
Queensland				
Aurukun Shire				
Council	484.0	347.1	1934	90
Laura PO	251.8	230.6	1911	106
Coen A/P (Old Site)	400.3	369.3	1982	55
Merluna	397.3	267.0	1971	50
Heathlands	456.8	359.2	1975	32
National Park				
Fairview	310.4	248.8	1894	50
Outstation				
Maitland Downs	181.5	179.7	1971	41
Wrotham Park	132.8	125.0	1989	46
Lakefield National Park	507.0	189.6	1982	34
Pinnacle	181.8	149.9	1971	37
Burketown PO	333.2	264.6	1921	115
Crowfels Stn	244.6	153.6	1921	77
Dunbar Stn	247.0	207.3	1963	83
Kamilaroi Stn	220.4	185.9	1921	109
Lands End Stn	190.8	162.0	1971	86
Undilla Stn	147.0	101.9	1952	96
Wondoola Stn	186.7	131.1	1983	86
Pormpuraaw Township	455.5	362.0	1982	48
Inorunie Stn	208.0	135.2	1971	45
Herbert Vale	125.0	94.8	1911	50
Nardoo Stn	174.4	115.0	1983	42
Magowra Station	194.8	123.0	1968	37
Toorak Research Station	210.5	137.1	1971	52
Rutland Plains Station	298.3	290.8	1950	61
Mount Isa Mine	141.2	138.9	1971	72
Mount Isa Aero	167.8	114.4	1971	40
Manfred Downs Station	231.8	158.0	1921	101
Gilberton	196.3	170.2	1950	88
Nelia PO	245.0	128.6	1971	87
Nonda Downs Stn	245.5	147.6	1963	82
Proa Station	237.1	118.4	1971	84
Spring Creek Stn	203.2	198.6	1983	98
Forsayth Caravan Park	116.0	112.0	2000	47
Conjuroy Stn	250.0	179.3	1983	42
Burleigh Stn	212.5	102.6	1990	34
Iron Hurst Stn	157.0	143.8	1983	32
Cairns Aero	634.6	550.6	1989	64
Julatten	548.4	416.3	1950	70
Low Isles LH	739.6	691.2	1894	117
Malanda PO	523.4	435.5	1921	91
Whyanbeel Valley	931.8	868.1	1963	66
Mareeba Qwrc	254.1	158.6	1989	54
Tinaroo Falls Dam	311.1	252.0	1989	53
Walkamin Dpi	219.6	146.0	1990	42
Pinnacle Stn	157.1	112.0	1990	38
Mareeba South	256.2	196.5	1989	37
Edge Res				

Upper Barron	376.5	303.8	1982	34
Glen Harding	219.0	154.2	1983	61
Upper Stone	448.5	383.6	1990	66
Exelby				
Lassie Creek Station	179.6	168.6	1989	37
Camooweal Township	239.0	174.0	1971	113
Tasmania				
Savage River Mine	311.7	259.8	1986	39
Strathgordon Village	407.5	404.1	1981	38
Western Australia				
Esperance	96.4	91.7	1989	36
Munglinup	85.6	85.4	1989	30
Melaleuca				
Northern Territory				
Darwin A/P	396.2	357.0	1953	65
Bradshaw	228.0	220.9	1985	59
Mittiebah	184.6	122.0	1988	38
Benmara	187.1	134.0	1977	37
Kidman Springs	319.6	260.4	1985	35
Warramunga	87.0	72.6	2000	35
Darwin River Dam	410.3	238.2	2000	34
Douglas River	282.8	229.0	2000	33
Howard Springs	462.4	339.0	2000	32
The Pines	299.6	248.0	2000	32
Daly Waters AWS	224.6	131.5	1963	31
Hodgson River	165.4	77.5	1985	31
Adelaide River PO	425.0	224.2	1986	30
Katherine Aviation Museum	212.6	171.0	2000	30
Tanumbirini	254.2	153.0	1991	30
Hidden Valley	99.6	91.0	1975	27
Humpty Doo	500.2	304.4	1996	25
Collard Road				
Mango Farm	308.6	277.4	1985	25
Nightcliff Pool AWS	295.4	234.0	1971	20

Lowest Monthly Rainfall on Record for April

Station	Actual mm	Previous Lowest mm	Year	Years of Record
Queensland				
Conondale Township	3.8	5.1	1936	57
Eumundi – Crescent Rd	8.0	8.1	1944	101
Dunwich	24.4	32.8	1980	38
New South Wales				
South West Rocks	7.2	12.0	1944	67
Coffs Harbour	14.8	19.6	1944	63
Sans Souci	4.0	5.6	1997	106
Palm Beach	7.8	9.4	1980	39
Riverview	6.6	7.7	1997	101

Highest Daily Rainfall on Record for any Month

Station	Actual mm	Date	Previous Highest mm	Year	Years of Record
Queensland					
Mountain View	129.0	5	121.0	02/1978	33
Cardbeign	175.0	5	126.8	02/1978	54

Highest Daily Rainfall on Record for April

Station	Actual mm	Date	Previous Highest mm	Year	Years of Record
Queensland					
Lakefield National Park	212.0	20	96.8	1982	34
Crowfells Station	144.0	6	71.1	1921	77
Kamilaroi Station	85.0	5	57.7	1963	109
Lands End Station	73.8	4	61.5	1963	86
Millungera Station	98.0	6	95.3	1921	115
Wondoola Station	71.2	6	65.2	1983	86
Nardoo Station	77.2	6	66.0	1983	42
Toorak Research Stn	99.0	5	50.0	1993	52
Mount Isa Aero	44.6	6	39.6	1975	40
Manfred Downs Station	86.0	6	66.3	1968	101
Homestead PO	138.0	6	110.7	1963	106
Nelia PO	125.0	6	80.0	1921	87
Nonda Downs Stn	73.0	6	67.6	1963	82
Proa Stn	92.0	6	60.5	1963	84
Burleigh Stn	72.0	8	56.4	1999	34
The Lynd Station	60.0	10	56.0	1978	35
Mossman South	240.2	20	233.0	1984	97
Alchera Drive					
Mareeba Qwrc	130.6	20	46.0	1954	54
Tinaroo Falls Dam	135.2	20	85.1	1963	53
Walkamin Dpi	113.4	20	48.4	1998	42
Mareeba South Edge Res	104.0	20	49.2	1989	37
Upper Barron	137.4	20	87.6	1989	34
Glen Harding	72.0	8	68.0	2000	61
Rolleston Meteor St	180.0	6	115.6	1928	118
Spring Creek Stn	126.4	5	123.4	1990	55
Birraban	102.0	5	82.0	1952	54
Raymond	66.0	5	59.0	1990	36
Mount Kingsley	75.2	5	64.8	1989	42
Mountain View	129.0	5	98.2	1990	33
Freitag	120.5	6	110.0	1990	33
Cardbeign	175.0	5	122.8	1990	54
Carina Downs	101.0	5	64.2	1998	37
Bowen Downs	140.0	5	139.4	1889	124
Gue	51.0	12	36.0	2004	67
Camooweal Township	110.0	29	68.3	1971	113
Malboona	103.0	5	86.4	1924	102
Urandang	81.5	4	61.5	1958	115
Mahrigong	72.0	5	63.0	1963	91
Western Australia					
Beacon	70.0	1	61.0	1961	69
Coolawanyah	155.6	8	132.1	1966	69
Dedari	33.4	1	24.0	1975	31
Eyre	44.2	27	43.7	1925	55
Kununurra Aero	50.8	29	48.0	1999	31
Mellenbye	54.8	1	51.3	1920	87
Muralgarra	59.0	1	39.9	1908	93
Murrum Stn	70.0	1	44.0	1975	47
Ninghan Stn	80.0	1	55.1	1961	91
Paynes Find	65.8	1	49.0	1961	44
Wialki South	51.0	1	46.0	1997	64
Northern Territory					
Bradshaw	164.0	27	137.6	1985	55
Yuendumu	60.4	27	56.6	1970	54
Kurundi	52.0	28	49.3	1984	52

<i>Vaughan Springs</i>	95.0	27	72.0	2000	45
<i>Darwin River Dam</i>	118.2	26	99.2	1985	35
<i>Kidman Springs</i>	261.4	27	216.6	1985	35
<i>Warramunga</i>	71.6	28	39.2	1983	35
<i>Douglas River</i>	74.6	2	73.0	1989	33
<i>The Pines</i>	122.0	5	98.6	1972	33
<i>Adelaide River PO</i>	187.0	26	121.6	1959	31
<i>Daly Waters AWS</i>	56.8	7	48.8	1960	31
<i>Hodgson River</i>	56.0	6	33.0	1985	31
<i>Tanumbirini</i>	162.2	6	88.0	1991	30
<i>Hidden Valley</i>	32.8	27	32.5	1971	25
<i>Humpty Doo Collard Road</i>	160.6	26	150.0	1985	25
<i>Elizabeth Valley</i>	192.2	26	81.0	1989	20

Note: Some statistical records mentioned in this report are based on data that have yet to be fully validated