



## **SIGNIFICANT WEATHER – October 2005**

### **SUMMARY**

Severe thunderstorms produced damaging hail during the middle of the month in Queensland on the northern Gold Coast and northern Sunshine Coast, also in New South Wales and Victoria. In Western Australia severe thunderstorms damaged crops which caused 10 million dollars worth of damage. Towards the end of the month severe thunderstorms were widespread across eastern Queensland with many reports of large hail.

Damaging winds were reported in all states. Flash flooding was reported in Victoria and Tasmania causing damage to a farm in Tasmania.

### **THUNDERSTORMS**

#### **Queensland**

On the 12th severe thunderstorms produced large damaging hail on the northern Gold Coast and the northern Sunshine Coast. The main severe cell developed near Rathdowney early in the afternoon and moved northeast to impact the Gold Coast suburbs of Pacific Pines, Oxenford and Helensvale. Hail ranging up to 7cm in diameter (cricket ball size) was reported from all the above localities. The main damage was to cars with over 2,000 cars reported to have been damaged, many with windows broken. Traffic on the Gold Coast motorway came to a standstill after numerous accidents. Hail also damaged house roofs.

Other storms brought rain, wind and hail to other parts from the border to north of the Sunshine coast. Double Island Point recorded a wind gust to 109 km/h from the south.

On the 13th severe thunderstorms again developed across southeast Queensland. One developed near Crows Nest and moved through Esk. Others developed southwest of Toowoomba and moved northeast through Gatton where marble to golf ball sized hail was reported and in Laidley, hail was reported to be as big as tennis balls. Cars were damaged and windscreens were broken. Massive traffic delays and road vehicle accidents occurred and almost 500 homes were damaged. A wind gust to 85 km/h was recorded at Gatton. Heavy rainfalls were recorded along the storm's path, including the northern Pine River catchment.

Also on the same day severe thunderstorms produced a large amount of hail, some as large as tennis balls at a property 74 kilometres northeast of Roma. A large amount of hail was reported at a property 45 kilometres southwest of Roma.

On the 20th an intense severe thunderstorm with large hail the size of 10 cent pieces was reported at Wondecla (near Herberton in the Atherton Tablelands).

On the 24th severe thunderstorms were widespread across eastern Queensland with many reports of large hail. A large area of storm activity produced hail in the Laidley area. Hail, larger than golf ball sized, fell at Gatton. Golf ball sized hail was reported near Dalby, and at Roma golf ball sized hail damaged a car yard. Extensive damage occurred to stone fruit orchards in the Stanthorpe/Pozières area due to a prolonged fall of hail that collapsed hail nets onto fruit trees causing damage to a quarter of the crop. The damage bill is estimated at 20 million dollars. Near golf ball sized hail was reported in the Ban Ban Springs area (southeast of Gayndah). Hail was also reported in the Mackay area. Pea sized hail fell at Innisfail and other very large storm cells occurred in the

Charters Towers and Rockhampton areas. Severe hail storms destroyed vegetable crops in Lockyer Valley, west of Brisbane.

Severe thunderstorms on the 25th unroofed 3 houses at Tara and golf ball sized hail fell at Greenbank.

On the 27th severe thunderstorms caused flash flooding in some Brisbane suburbs with 60mm recorded in 1 hour at Amberley and wind gusts to 80km/h and 50mm of rain was recorded in 30 minutes at Mount Gravatt. Golf ball sized hail fell in Toowoomba and large hail was reported at Roma. Georgetown recorded a maximum wind gust of 94km/h during storm activity.

### **New South Wales**

Hail 3cm in diameter caused minor tree and roof damage in Canberra on the 13th. At Peak Hill a thunderstorm caused heavy pea-size hail which accumulated to a depth of several centimeters on the ground. Minor damage was reported.

On the 23rd at Toms Creek (Mid North Coast) hail 2.8cm in diameter was observed. At Telegraph Point heavy rain and 2cm sized hail was reported.

At Stroud (Hunter) on the 24th golf ball size hail was observed and houses were damaged by strong winds. The damage bill is estimated at over \$1 million in the Stroud-Bulahdelah area. At Bulahdelah (Mid-North Coast) golf ball size hail broke windows and damaged cars. Houses were also damaged. Marble size hail and 37mm of rain occurred in 20 minutes, 7 kilometres north of Gloucester. Golf ball size hail was also reported 40 kilometres west of Kempsey.

On the 27th 4cm hail about 10km south of Uralla (Northern Tablelands) was reported. At Armidale hail 2.5cm in diameter fell for 8 minutes and 2cm hail was reported about 15km west of Coffs Harbour. At Grafton 2cm hail occurred. Three separate falls of 2.5cm hail was reported at Tugrahakh, just north of Gloucester. Also on the same day numerous lightning strikes caused power outages in the Casino area.

### **Victoria**

On the 13th a severe thunderstorm produced a large quantity of large hail to 2cm in diameter at Myrtleford and Whorouly.

On the 23rd a low pressure system and frontal system was associated with a number of severe thunderstorms that produced hail to 2cm in diameter at North Balwyn, hail to 3cm and flash flooding at Ballarat, hail to 5cm in diameter at Weeaprounah and hail to 3cm in diameter at Rosedale.

On the 24th severe thunderstorms produced hail 3cm in diameter at Waratah Bay, Gippsland.

### **Tasmania**

A thunderstorm caused local flash flooding in the northern Hobart suburbs on the 25th. Large hail was reported at Austins Ferry, and there was an unofficial report of 26mm in 35 minutes at Rosetta causing power outages to about 1,000 premises in the area.

### **South Australia**

On the 17th convection near the South Australian/Western Australian border was responsible for producing golf ball size hail near Nullarbor, which damaged cars, caravans, solar panels and windows.

### **Western Australia**

On the 16th a complex low pressure system moved through the Central Wheatbelt and the Great Southern. Severe thunderstorms associated with the system cause hail damage to crops in the Lake Grace area. More than 200 farms were affected. The area covered was 150 kilometres from north to south and 50 kilometres west to east. In most places in the area the hailstorm lasted for about one hour and measured between 1cm and 3cm in diameter. There were 5 locations in this area where the damaging hail fell. In some places the hail was up to 25cm deep. Over 5,000 hectares of crops were destroyed and another 5,500 hectares have had at least 30 to 40 per cent damage. Estimates put the cost of the damage at over \$10 million.

## Northern Territory

On the 13th a large-scale squall line moved across the Alice Springs district. There were reports of tree damage and pea-sized hail from Palm Valley. Hail was also reported at Hermannsburg and nearby areas while a wind gust of approx 85 km/h was recorded at Wulungurru.

On the 14th pea-sized hail was reported from another storm at Palm Valley. On the 15th, hail the size of a 5-cent coin at Ayres rock caused some minor injuries to tourists on a viewing platform. On the 19th, a thunderstorm caused a dust storm and severe winds brought trees down at Ali Curung. Then on the 20th, a morning storm at Ali Curung produced 2.5cm hail. Severe winds brought down fences and blew off roofs from two houses and caused localised flooding. On the same afternoon, there was a report of severe wind gusts at Mount Skinner.

On the 23rd Darwin River Dam recorded 164mm of rain from a storm and flash flooding was reported from south of Darwin Harbour.

On the 26th, a small squall line affected the rural areas south of Darwin. Trees were brought down at Virginia and there were reports of damage to the mango crop. Flash flooding was reported at Humpty Doo. Wind gusts were estimated at approx 85 km/hr at McMinn's Lagoon.

On the 29th wind gusts from a severe thunderstorm at Tipperary Station, south of Darwin, damaged some buildings.

## WIND

## Queensland

Severe thunderstorms produced wind damage at Charters Towers and Balfe's Creek (40 kilometres west of Charters Towers) on the 19th. High wind gusts were also recorded at Georgetown and Richmond.

Wind gusts of 90 km/h or greater were reported on:

12th	Double Island Point Lighthouse 109 km/h
20th	Emerald Airport 94 km/h
21st	Heron Island Res Stn 96 km/h
23rd	Camooweal Township 93 km/h
24th	Lucinda Point 113 km/h
24th	Hamilton Island Airport 124 km/h
	University Of Queensland Gatton 91 km/h
	Toowoomba Airport 93 km/h
26th	Warwick 94 km/h
27th	Georgetown Airport 94 km/h

## New South Wales

On the 8th several buildings were damaged by strong winds in Sydney and Bulli (Illawarra). On Sydney Harbour a cruise ship was blown into a sea wall.

Wind gusts of 90 km/h or greater were reported on:

1st	Thredbo 93 km/h,
3rd	Green Cape 94 km/h, Montague Is 91 km/h
8th	Thredbo 128 km/h, Sydney Harbour 93 km/h, Murrurundi 93 km/h, Bellambi 102 km/h, Nowra 107 km/h, Yanco 100 km/h.
9th	Green Cape 91 km/h, Gabo Is 91 km/h, Moss Vale 93 km/h,
13th	Thredbo 94 km/h, Walgett 93 km/h,
23rd	Wilcannia 94 km/h,
24th	Taree 102 km/h.
26th	Thredbo 96 km/h
27th	Thredbo 91 km/h
29th	Thredbo 100 km/h.
30th	Young 94 km/h

## Victoria

On the 3rd strong winds associated with a cold front produced a gust of 107 km/h at Wilson Promontory.

On the 6th strong winds well behind a cold front produced a gust of 113 km/h at Wilsons Promontory.

On the 8th strong winds in association with a complex low pressure system produced gusts of 102 km/h at Mt Buller and 104 km/h at Mt Hotham.

Strong winds associated with a complex and deep low pressure system produced gusts of 113 km/h at Mt Hotham and 100 km/h at Mt Buller on the 23rd.

## **Tasmania**

High winds caused several problems on the 3rd. Some buildings were unroofed and trees brought down, which resulted in loss of electricity to about 14,000 premises and temporary closure of some roads because of wind-borne debris. The airlift rescue of an injured yachtsman was delayed due to rough and windy conditions. A wind gust was believed to be the cause of a 40 metre crane collapsing across Goodwood Road in the Hobart suburb of Elwick on the 26th causing traffic disruptions.

Due to the large number of wind gusts, only wind gusts of 100 km/h or greater will be reported for this month:

- 2nd Mount Wellington 106 km/h,
- 3rd Maatsuyker Island 156 km/h,  
Scotts Peak Dam 146 km/h,  
Hartz Mountain (Keoghs Pimple) 126 km/h,  
Mount Wellington 122 km/h,  
Cape Grim 119 km/h,  
Mount Read 117 km/h,  
Droughty Hill 113 km/h,  
Cape Bruny 106 km/h, Warra 104 km/h,  
Tasman Island 104 km/h,  
Low Head 104 km/h,  
Eddystone Point 102 km/h,
- 5th Maatsuyker Island 128 km/h,  
Scotts Peak Dam 107 km/h,  
Strahan Aerodrome 104 km/h,  
Tasman Island 104 km/h,  
Cape Grim 102 km/h,  
Mount Read 102 km/h,  
Mount Wellington 100 km/h,
- 6th Maatsuyker Island 150 km/h,  
Mount Wellington 137 km/h,  
Scotts Peak Dam 117 km/h,  
Cape Grim 117 km/h,  
Tasman Island 115 km/h,  
Mount Read 115 km/h,  
Droughty Hill 113 km/h,  
Cape Bruny 109 km/h,  
Hartz Mountain (Keoghs Pimple) 109 km/h,  
Eddystone Point 104 km/h,  
Sheffield School Farm 102 km/h,  
Maria Island (Point Lesueur) 100 km/h,

- 7th Tasman Island 113 km/h
- 13th Maatsuyker Island 115 km/h,
- 14th Maatsuyker Island 100 km/h
- 26th Scotts Peak Dam 141 km/h,  
Droughty Hill 130 km/h,  
Mount Wellington 122 km/h,  
Maatsuyker Island 122 km/h,  
Cape Grim 115 km/h,  
Hartz Mountain (Keoghs Pimple) 106 km/h,  
Mount Read 104 km/h,
- 27th Maatsuyker Island 113 km/h,  
Cape Grim 104 km/h

## **South Australia**

On the 7th a low pressure system and associated trough centred near Port Augusta was responsible for gale force west to southwest winds at Coober Pedy, Woomera and Marree. Gale force northerly winds were also observed at Roseworthy ahead of the trough. Furthermore, a house roof was blown off in Renmark along with some tree damage.

On the 8th, gale force westerly winds were briefly observed at Minlaton in the wake of the low pressure system from the 7th.

The passage of a front associated with a low south of Kangaroo Island on the 23rd resulted in gale force southwesterly winds at Hindmarsh Island, and a wind gust to 91 km/h at Mt Crawford.

As a high pressure system moved over South Australia behind the low from the 23rd, southwest to southerly wind gusts to 91 km/h were observed at Coober Pedy and Oodnadatta.

A small low formed near southern Eyre Peninsula on the 28th and produced gale force northerly winds at Ceduna.

## **Western Australia**

On the 4th a moderate cold front passed through the Lower Southwest of Western Australia with wind gusts recorded up to 117 km/h at Cape Leeuwin and 98 km/h at Rottnest Island. No damage was reported.

On the 25th a squall line passed through Kununurra during the afternoon. Wind gusts up to 74 km/h were recorded at the Airport. Damage reports were mainly due to blown over trees

impacting on buildings. A donga (native shelter) at the High School was turned 45° by the wind.

## BUSHFIRES

### Northern Territory

There was one large fire in the rural area inland from Darwin, between Acacia Hills and Elizabeth Valley, caused by a lightning strike on a tree which exploded and started the fire. It lasted for about two days covering a substantial area.

A second fire at the Manbulloo Station covering a large area south of Katherine, again started by a lightning strike. It lasted for about four days affecting an area of roughly 500 to 800 square kilometres. Minor fires affected the Elliott-Wauchope region, but no significant damage was reported.

## FLOODING

### Victoria

On the 21st flash flooding associated with a severe thunderstorm occurred at Hoppers Crossing and at Genoa in East Gippsland.

On the 25th flash flooding with a severe thunderstorm was reported in Genoa, East Gippsland.

### Tasmania

Flash flooding and riverine flooding following very heavy rain on the 21st and 22nd caused several problems. A number of roads (mostly in the northeast and the northwest) were flooded, affected by landslip, were closed or damaged. The township of Binalong Bay on the East Coast was cut off on the 22nd. A farm dam near Penguin Creek was damaged. A car washed into a creek at Merseylea in the northwest on the 23rd, but both occupants escaped without injury.

Moderate flooding was reported in the South Esk River.

Peak heights were:

22nd	Fingal	6.2m
23rd	Llewellyn	7.7m
24th	Perth	6.6m
	Longford	3.9m

The Trevallyn Dam recorded 7,100 cumecs on the 24th. There was also minor flooding in the North Esk, Macquarie, Meander and Mersey rivers on the 23rd and 24th along with minor flooding in the lower Macquarie river from the 9th to the 11th.

## TEMPERATURE

### *Highest Mean Maximum Temperature for October*

<i>Station</i>	<i>Actual °C</i>	<i>Previous Highest °C</i>	<i>Year</i>	<i>Years of Record</i>
<b>New South Wales</b>				
<i>Murwillumbah</i>	28.3	28.0	2004	32
<b>Tasmania</b>				
<i>Marrawah</i>	15.9	15.7	1999	33

### *Lowest Mean Maximum Temperature for October*

<i>Station</i>	<i>Actual °C</i>	<i>Previous Lowest °C</i>	<i>Year</i>	<i>Years of Record</i>
<b>Western Australia</b>				
<i>Gascoyne Junction</i>	30.0	30.2	1975	31

### *Highest Mean Minimum Temperature for October*

<i>Station</i>	<i>Actual °C</i>	<i>Previous Highest °C</i>	<i>Year</i>	<i>Years of Record</i>
<b>New South Wales</b>				
<i>Byron Bay</i>	17.9	17.2	1980	31
<i>Murwillumbah</i>	16.6	15.4	1999	32
<i>Newcastle</i>	16.1	15.8	1949	48
<i>Cessnock</i>	11.6	11.5	1999	32
<i>Oberon (Woodchem)</i>	7.1	6.7	1973	59
<i>Sydney Airport</i>	15.5	15.1	1999	66
<i>Riverview</i>	14.5	13.9	1999	43
<i>Bowral</i>	9.8	9.5	1999	39
<i>Narooma</i>	12.7	12.6	1999	40
<i>Nelson Bay</i>	16.1	15.6	2002	91
<b>Tasmania</b>				
<i>Hobart (Ellerslie Road)</i>	9.5	9.5	1963	124
<i>Cape Bruny Lighthouse</i>	9.7	9.7	1963	82
<i>Burnie (Round Hill)</i>	10.1	9.7	1999	56
<i>Swansea PO</i>	9.5	8.6	1984	49
<i>Grove (Comparison)</i>	7.7	7.4	1961	48
<i>Hobart Airport</i>	9.6	8.9	1963	48
<i>Flinders Island A/P</i>	10.4	9.7	1977	43
<i>Strathgordon Village</i>	7.1	6.2	1979	36

**Western Australia**

Halls Creek A/P	25.7	25.5	1989	57
Warmun	25.5	25.4	1989	41
Wyndham	27.7	27.6	1988	36

**Northern Territory**

Alice Springs Airport	18.4	17.6	1989	64
Brunette Downs	24.0	23.6	1988	39
Jervois	19.3	18.3	1971	35
Wave Hill	25.0	24.6	1989	30
Wollogorang	22.1	22.1	1998	24
McArthur River Mine	23.7	23.0	1988	20

**Lowest Mean Minimum Temperature for October**

Station	Actual °C	Previous Lowest °C	Year	Years of Record
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**Western Australia**

Karnet	6.6	6.8	1980	30
Wongan Hills	7.8	8.0	1974	36

**Highest Daily Maximum Temperature for October**

Station	Actual °C	Date	Previous Highest °C	Year	Years of Record
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**Queensland**

Toorak Res Stn	45.0	27	43.0	2004	30
Urandangi	43.7	29	43.4	2004	48
Archerfield A/P	39.4	6	38.4	2004	30

**New South Wales**

Murwillumbah	38.2	6	37.1	2001	32
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**Highest Daily Minimum Temperature for October**

Station	Actual °C	Date	Previous Highest °C	Year	Years of Record
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**Queensland**

Mornington Is	28.6	23	28.2	1987	33
Cairns Aero	26.1	26	25.9	1987	64
Townsville Aero	26.4	24	26.2	2003	66
Nambour Dpi	22.4	7	22.2	2004	41
Brian Pastures	22.3	26	22.0	2004	38

**New South Wales**

Byron Bay	21.3	24	21.0	1983	31
Collarenebri	24.8	30	23.5	1991	98
Quirindi	21.4	30	19.5	1997	98
Oberon (Woodchem)	14.0	6	13.3	1970	59
Orange Airport	15.5	30	15.3	1968	37
Nelson Bay	21.0	27	20.3	2004	37

**Tasmania**

Eddystone Point	14.4	25	14.3	1982	48
Hobart Airport	16.0	25	15.7	1991	48

**Western Australia**

Balladonia	19.7	4	19.0	1978	36
Halls Creek A/P	31.3	30	30.3	1957	57
Wyndham	31.0	30	30.6	1998	36

**Northern Territory**

Darwin Airport	28.8	23	28.7	1998	65
Warruwi	29.0	24	28.6	1987	36
Gove Airport	27.4	25	27.4	1998	26
Mango Farm	26.6	25	26.6	1987	25
Alyangula Police	27.7	29	27.7	1998	20

**Lowest Daily Maximum Temperature for October**

Station	Actual °C	Date	Previous Lowest °C	Year	Years of Record
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**Western Australia**

Esperance	12.7	6	13.5	1992	35
Hyden	13.8	6	14.3	1992	32
Ravensthorpe	12.0	6	12.2	1964	41

**Lowest Daily Minimum Temperature for October**

Station	Actual °C	Date	Previous Lowest °C	Year	Years of Record
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**Western Australia**

Carnamah	2.1	10	2.5	1992	34
Kellerberrin	-1.0	10	-0.5	2000	45
Northam	0.3	10	0.5	1980	36
Perth Airport	1.2	10	1.8	2004	61
Wongan Hills	0.5	10	1.1	1968	38

**RAINFALL****Highest Monthly Rainfall on Record for October**

Station	Actual mm	Previous Highest mm	Year	Years of Record
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**Queensland**

Toomba Stud	115.4	91.6	1975	46
Almaden	74.8	68.0	1998	33
Bauhinia Downs Store	177.4	175.4	1986	110
Clermont Sirius St	163.8	154.2	1986	136
Winvic	142.0	108.0	1985	44
Kurrajong	192.4	153.2	1986	45
Hillside	173.5	150.9	1986	34
Abercorn	168.6	154.2	1986	56
Monto Township	201.4	185.9	1943	64
Mt Berryman	260.7	237.8	1972	45
Dunollie	213.8	174.1	1953	56
Yangan Post Office	196.8	195.9	1952	94

**New South Wales**

Alectown (Goonahra)	198.4	150.2	1973	35
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**Tasmania**

Swansea PO	142.2	134.5	1926	121
Bicheno (Council Depot)	174.0	142.3	1931	82
Lorinna	245.0	242.6	1949	50
Chain of Lagoons	314.0	232.5	1949	47
German Town	471.8	281.0	1949	46
Pyengana (Forest Lodge Road)	309.2	219.0	1962	44
Bracknell (Elizabeth Street)	164.0	114.3	1973	43
Devonport Airport	140.8	126.5	1971	43
Waterhouse (Barooga)	111.0	95.2	1962	43
Gray (Craigie-Lea)	495.2	381.0	1976	41
Kimberley (Siding)	145.8	145.1	1973	40
Barrington PO	243.3	197.2	1979	39
Hagley (Fairbank)	133.4	119.8	1979	39
Forthside Research Station	218.6	178.0	1979	38

<i>Penguin (Ironcliffe Road)</i>	250.6	195.0	1979	38
<i>South Riana</i>	298.4	231.2	1979	37
<i>Woodbury (Old Tier Road)</i>	103.0	92.4	2001	37
<i>Ross (Rose Villa)</i>	117.4	111.0	2001	34
<i>Loila Pinnacle</i>	310.0	188.0	1976	31
<b>South Australia</b>				
<i>Roseworthy</i>	134.0	114.6	1949	120
<i>Freeling</i>	157.0	112.0	1980	42
<i>Mount Bold Reservoir</i>	165.0	158.8	1949	67
<b>Western Australia</b>				
<i>Amrista Park</i>	62.0	56.6	1965	49
<b>Northern Territory</b>				
<i>Alice Springs Airport</i>	73.4	73.1	1974	63
<i>Mataranka</i>	88.6	86.6	2000	61
<i>Homestead Resort</i>				
<i>Yuendumu</i>	96.3	84.3	2000	52
<i>Lajamanu</i>	94.4	82.6	2000	41
<i>Papunya</i>	124.2	62.7	1968	38
<i>Tennant Creek Airport</i>	118.4	75.5	1975	36
<i>Darwin River Dam</i>	201.9	184.8	1978	35
<i>Warramunga</i>	105.8	64.8	1974	34
<i>Ali Curung</i>	122.2	50.9	1998	27
<i>Ormiston Gorge</i>	75.0	61.0	1997	27
<i>Timber Creek</i>	113.4	90.8	1999	23
<i>Alice Springs East Side</i>	82.4	55.2	1998	22

#### **Western Australia**

*Karlgarin* 38.0 16 37.6 1995 68

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

#### **Highest Daily Rainfall on Record for October**

<i>Station</i>	<i>Actual Date</i>	<i>Previous Highest</i>	<i>Year</i>	<i>Years of Record</i>
	<i>mm</i>	<i>mm</i>		
<b>Queensland</b>				
<i>Banana Post Office</i>	102.0 14	90.9	1933	134
<i>Kageon</i>	77.8 16	70.1	1965	72
<i>Monto Township</i>	100.7 16	79.5	1943	64
<i>Colodan</i>	77.0 16	62.6	1995	47
<i>Mt Berryman</i>	131.4 25	75.8	1987	45
<i>Bogarella</i>	45.0 16	37.2	1986	83
<i>Rosehaill</i>	76.0 20	58.6	1985	49
<b>New South Wales</b>				
<i>Euston (Benington)</i>	72.0 25	49.0	1942	70
<i>Alectown (Goonahra)</i>	80.0 16	77.5	1973	35
<i>Nelligen (Thule Rd)</i>	163.4 31	153.7	1959	106
<i>Batemans Bay</i>	187.4 31	183.4	1999	62
<i>Buckenbowra</i>				
<i>Griffith A/P AWS</i>	59.0 21	47.4	1974	47
<b>Tasmania</b>				
<i>Swansea PO</i>	75.4 9	71.6	1891	100
<i>Wilmot (Back Road)</i>	85.0 22	74.4	1984	94
<i>Moorina (Frome Dam)</i>	90.0 22	88.4	1958	88
<i>Bicheno (Council Depot)</i>	76.0 22	68.6	1931	80
<i>Hampshire (Neena Road)</i>	80.0 22	66.0	1979	62
<i>German Town</i>	220.4 22	104.9	1952	45
<i>Pyengana (Forest Lodge Road)</i>	116.2 22	65.0	1985	43
<i>Chain of Lagoons</i>	165.4 22	64.0	1928	43
<i>Gray (Craigie-Lea)</i>	187.8 22	114.0	1976	42
<i>Marrawah</i>	50.2 24	39.2	1992	34