

REPORT FOR THE WEEK ENDING

Wednesday, 10 October 2007

Our Ref : M2006/01015/PRS, MS

12 October, 2007

Trim Ref : 07/12712



Rainfall and Inflows

Northern areas of the Murray-Darling Basin received up to 25 mm of rain this week, with Augathella in western Queensland receiving 25mm. However, the southern part of the Basin received very little rain, with Falls Creek in the northeast of Victoria receiving the maximum of 8 mm.

Inflows into the Murray River remain very low with this week's inflows totalling around 50 GL compared with the long term weekly average for October of around 365 GL.

River Operations

Dartmouth storage volume has increased by around 7 GL to 685 GL (17% capacity) and release remains steady at the minimum rate of 200 ML/day. In coming weeks release from Dartmouth will be progressively increased in order to transfer water to Hume Reservoir and provide for diversions from the Mitta Mitta River. Flow rates are expected to average about 5 000 ML/day (about half channel capacity) as the volume to be transferred is less than one third of volume transferred last year. Details of Dartmouth release plans will be provided over coming weeks.

Release from Hume Reservoir has increased to target a flow of 3 600 ML/day at Doctors Point (near Albury) in order to meet increasing demands and losses further downstream and is expected to be increased further over the coming weeks. Hume storage has increased to around 875 GL (29% capacity) but is expected to begin to fall slowly over the coming weeks if conditions remain dry and release from the Snowy Mountains scheme remains low.

The level of Lake Mulwala has been raised to 124.2 m AHD, 70 cm below Full Supply Level. The Lake level is expected to remain between about 124.2 and 124.5 m AHD over coming months. Any sudden increase in demands and losses downstream may require a temporary lowering below this target range but this is likely to be for only a short duration. Release from Lake Mulwala has been increased from 3 000 to 3 500 ML/day.

Release from Torrumbarry Weir has been increased over the past week from 2 000 to 2 300 ML/day in order to boost the extremely low flows further downstream. Consequently the Torrumbarry Weir pool level has been lowered further and is now about 12 cm below Full Supply Level. Release from Euston Weir is currently being held at around 1 800 ML/day, and is expected to increase to around 2 000 ML/day over the coming weeks as the higher flow from Torrumbarry Weir arrives.

With very low flows now passing Wentworth Weir, Locks 8 and 9 have been lowered to 6 cm below Full Supply Level over the past week to maintain sufficient flow through Lock 7 and into Mullaroo Creek.

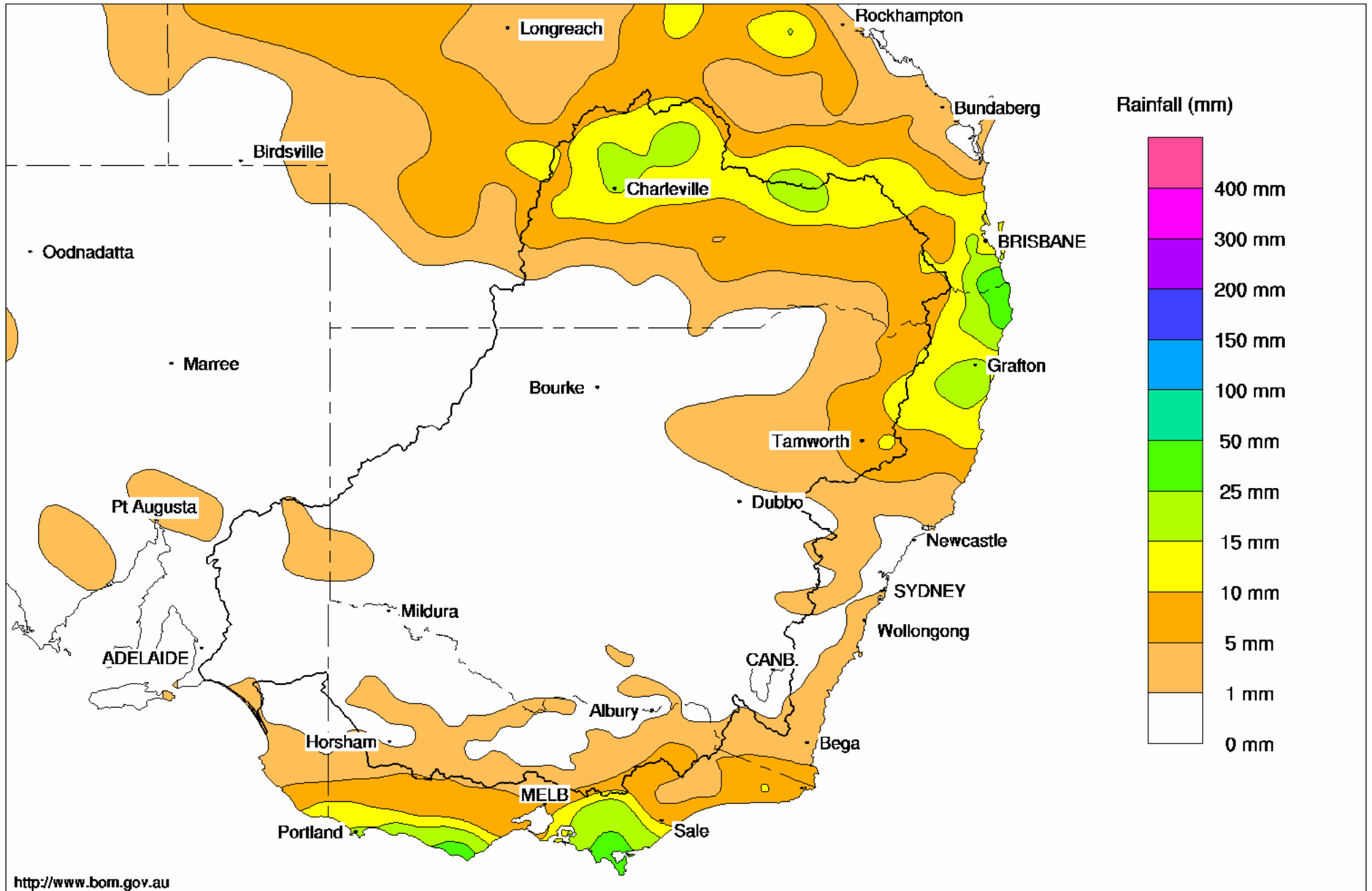
The flow to South Australia, averaging 2600 ML/day, is now primarily being supplied from Lake Victoria. Subsequently, storage in Lake Victoria has declined from 525 to 513 GL (76% capacity) this week and is expected to continue to fall throughout the season if conditions remain dry.

DAVID DREVERMAN

General Manager

Murray Darling Rainfall Analysis (mm) Week Ending 10th October 2007

Product of the National Climate Centre



<http://www.bom.gov.au>

Water in Storage

| MDBC Storages | Full Supply Level (m AHD) | Full Supply Volume (GL) | Current Storage Level (m AHD) | Current Storage | | Dead Storage (GL) | MDBC Active Storage (GL) | Change in Storage for the week (GL) |
|---------------------|------------------------------|----------------------------|----------------------------------|-----------------|------------|----------------------|-----------------------------|----------------------------------------|
| | | | | (GL) | % | | | |
| Dartmouth Reservoir | 486.00 | 3 906 | 411.12 | 685 | 18% | 80 | 605 | +8 |
| Hume Reservoir | 192.00 | 3 038 | 177.42 | 875 | 29% | 30 | 845 | +6 |
| Lake Victoria | 27.00 | 677 | 25.60 | 513 | 76% | 100 | 413 | -16 |
| Menindee Lakes | | 1 731 * | | 56 | 3% | (- -) # | 0 | -4 |
| Total | | 9 352 | | 2 129 | 23% | -- | 1 863 | -6 |

* Menindee surcharge capacity 2050 GL % of Total Active MDBC Storage = 22%

NSW takes control of Menindee Lakes when storage falls below 480 GL, and control reverts to MDBC when storage next reaches 640 GL

Major State Storages

| | | | | | | | |
|----------------------|-------|--|-----|-----|-----|-----|-----|
| Burrinjuck Reservoir | 1 026 | | 402 | 39% | 3 | 399 | -7 |
| Blowering Reservoir | 1 631 | | 479 | 29% | 24 | 455 | -4 |
| Eildon Reservoir | 3 390 | | 798 | 24% | 100 | 698 | +17 |

Snowy Mountains Scheme

Snowy diversions for week ending 09-Oct-2007

| Storage | Active storage (GL) | Weekly change (GL) | Diversions (GL) | This week | From 1 May 2007 |
|------------------------|---------------------|--------------------|------------------|-----------|-----------------|
| Lake Eucumbene - Total | 401 | +15 | Snowy-Murray | +0 | 255 |
| Snowy-Murray Component | 292 | +24 | Tooma-Tumut | +1 | 100 |
| Target Storage | 1 400 | | Nett Diversion | -0.5 | 155 |
| | | | Murray 1 Release | +1 | 400 |

Major Diversions from Murray and Lower Darling (GL)

| New South Wales | This week | From 1 July 2007 |
|-------------------------|------------|------------------|
| Murray Irrig. Ltd (Net) | - .3 | 23.8 |
| Wakool System loss | 0.0 | 2.6 |
| Western Murray Irrig. | 0.4 | 1.8 |
| Licensed Pumps | 1.1 | 12.6 |
| Lower Darling | 0.2 | 1.6 |
| TOTAL | 1.3 | 42.5 |

| Victoria | This week | From 1 July 2007 |
|---------------------------------|-------------|------------------|
| Yarrawonga Main Channel (net) | 2.6 | 18 |
| Torrumbarry System + Nyah (net) | 3.3 | 25 |
| Sunraysia Pumped Districts | 1.9 | 9 * |
| Licensed pumps - GMW (Nyah+u/s) | 0.1 | 3 |
| Licensed pumps - LMW | 3.1 | 10 |
| TOTAL | 10.9 | 65 * |

* please note that these values do not include Millewa pumping figures.

Flow to South Australia (GL)

| | | |
|------------------------|-------|----------------|
| Entitlement this month | 170 * | |
| Flow this week | 18.0 | (2 600 ML/day) |
| Flow so far this month | 26 | |
| Flow last month | 50 | |

* Reduced to approx. 80 GL during October drought contingency operations

Salinity (EC)

(microsiemens/cm @ 25° C)

| | Current | Average over the last week | Average since 1 August 2007 |
|-------------------------|---------|----------------------------|-----------------------------|
| Swan Hill | 150 | 130 | 110 |
| Euston | 170 | 160 | 120 |
| Red Cliffs | - | - | - |
| Merbein | 160 | 150 | 130 |
| Burtundy (Darling) | 1 250 | 1 240 | 1 130 |
| Lock 9 | 130 | 120 | 130 |
| Lake Victoria | 170 | 170 | 170 |
| Berri | 450 | 460 | 480 |
| Waikerie | 690 | 690 | 660 |
| Morgan | 750 | 760 | 710 |
| Mannum | 510 | 490 | 440 |
| Murray Bridge | 540 | 550 | 550 |
| Milang (Lake Alex.) | 2 340 | 2 420 | 2 230 |
| Poltalloch (Lake Alex.) | 3 110 | 2 750 | 2 130 |
| Meningie (Lake Alb.) | 2 570 | 2 630 | 2 530 |
| Goolwa Barrages | 13 390 | 16 430 | 14 660 |



River Levels and Flows

| River Murray | Minor Flood stage (m) | Gauge height | | Flow (ML/day) | Trend | Average flow this week (ML/day) | Average flow last week (ML/day) |
|----------------------------------|-----------------------|--------------|---------|---------------|-------|---------------------------------|---------------------------------|
| | | local (m) | (m AHD) | | | | |
| Khancoban | - | - | - | 520 | R | 920 | 2 480 |
| Jingellic | 4.0 | 1.21 | 207.73 | 1 320 | F | 2 160 | 3 800 |
| Tallandoon (Mitta Mitta River) | 4.2 | 1.28 | 218.17 | 410 | S | 420 | 470 |
| Heywoods | 5.5 | 1.37 | 155.00 | 1 460 | F | 1 430 | 2 790 |
| Doctors Point | 5.5 | 1.82 | 150.29 | 2 860 | F | 3 020 | 4 440 |
| Albury | 4.3 | 0.89 | 148.33 | - | - | - | - |
| Corowa | 7.0 | 0.95 | 126.97 | 2 670 | S | 2 980 | 3 630 |
| Yarrowonga Weir (d/s) | 6.4 | 0.65 | 115.69 | 3 200 | R | 3 050 | 3 020 |
| Tocumwal | 6.4 | 1.02 | 104.86 | 2 900 | F | 2 950 | 2 900 |
| Torrumbarry Weir (d/s) | 7.3 | 0.98 | 79.53 | 2 140 | R | 2 160 | 2 080 |
| Swan Hill | 4.5 | 0.64 | 63.56 | 2 350 | R | 2 120 | 2 070 |
| Wakool Junction | 8.8 | 1.36 | 50.48 | 2 090 | S | 2 100 | 2 160 |
| Euston Weir (d/s) | 8.8 | 0.40 | 42.24 | 1 690 | S | 1 830 | 1 860 |
| Mildura Weir (d/s) | - | - | - | 1 500 | F | 1 430 | 1 480 |
| Wentworth Weir (d/s) | 7.3 | 2.68 | 27.44 | 950 | R | 1 140 | 1 220 |
| Rufus Junction | - | 2.73 | 19.66 | 1 850 | S | 1 930 | 1 780 |
| Blanchetown (Lock 1 d/s) | - | 0.09 | - | 1 800 | R | 1 670 | 910 |
| Tributaries | | | | | | | |
| Kiewa at Bandiana | 2.7 | 1.57 | 154.80 | 1 470 | R | 1 540 | 1 610 |
| Ovens at Wangaratta | 11.9 | 8.16 | 145.84 | 1 276 | R | 1 430 | 1 340 |
| Goulburn at McCoys Bridge | 9.0 | 1.17 | 92.59 | 400 | R | 360 | 360 |
| Edward at Stevens Weir (d/s) | - | 0.45 | 80.22 | 210 | F | 210 | 210 |
| Edward at Liewah | - | 0.53 | 55.91 | 229 | S | 220 | 170 |
| Wakool at Stoney Crossing | - | 0.01 | 54.50 | 9 | S | 10 | 30 |
| Murrumbidgee at Balranald | 5.0 | 0.43 | 56.39 | 172 | S | 180 | 200 |
| Barwon at Mungindi | - | 3.23 | - | 85 | S | 90 | 100 |
| Darling at Bourke | - | 4.09 | - | 329 | F | 480 | 970 |
| Darling at Burtundy Rocks | - | 0.64 | - | 6 | S | 10 | 20 |

| | | |
|---------------------------------------------------------------------------|-------|-------|
| Natural Inflow to Hume (ie pre Dartmouth & Snowy Mountains scheme) | 4 910 | 6 780 |
|---------------------------------------------------------------------------|-------|-------|

Weirs and Locks

Pool levels above or below design level

| Murray | FSL (m AHD) | u/s | d/s | | FSL (m AHD) | u/s | d/s |
|-------------------|-------------|-------|-------|----------------------|-------------|-------|-------|
| Yarrowonga | 124.90 | -0.67 | - | No. 7 Rufus River | 22.10 | -0.05 | +0.42 |
| No 26 Torrumbarry | 86.05 | -0.12 | - | No. 6 Murtho | 19.25 | +0.01 | -0.03 |
| No. 15 Euston | 47.60 | -0.32 | - | No. 5 Renmark | 16.30 | +0.01 | +0.06 |
| No. 11 Mildura | 34.40 | +0.02 | +0.02 | No. 4 Bookpurnong | 13.20 | +0.00 | +0.25 |
| No. 10 Wentworth | 30.80 | +0.03 | +0.04 | No.3 Overland Corner | 9.80 | -0.01 | +0.15 |
| No. 9 Kulnine | 27.40 | -0.06 | -0.02 | No. 2 Waikerie | 6.10 | +0.07 | +0.12 |
| No. 8 Wangumma | 24.60 | +0.01 | -0.02 | No 1. Blanchetown | 3.20 | +0.08 | -0.66 |

| Murrumbidgee | FSL (m AHD) | relation to FSL | d/s gauge ht. | | Flow (ML/day) |
|---------------|-------------|-----------------|---------------|---------|---------------|
| | | | local (m) | (m AHD) | |
| No. 7 Maude | 75.40 | -1.27 | 0.54 | 69.89 | 243 |
| No. 5 Redbank | 66.90 | -1.33 | 0.08 | 61.38 | 212 |



Lower Lakes

FSL = 0.75 m AHD

| | (m AHD) |
|----------------------------------------------------|---------|
| Lake Alexandrina average level for the past 5 days | 0.15 |

Barrages

Fishways @ Barrages

| | Openings | Level (m AHD) | Status | Rock Ramp | Vertical Slot |
|----------------|--------------|---------------|------------|-----------|---------------|
| Goolwa | 128 openings | 0.31 | All closed | - | Closed |
| Mundoo | 26 openings | 0.40 | All closed | - | - |
| Boundary Creek | 6 openings | - | All closed | - | - |
| Ewe Island | 111 gates | - | All closed | - | - |
| Tauwichee | 322 gates | 0.39 | All closed | Closed | Closed |

AHD = Level relative to Australian Height Datum, i.e. height above sea level