



# River Murray Flood Event 2022-2023





**Population:** 9,355 (2021 Census)



**Rateable properties:** 10,576 (as at 30 June 2022)



**Area:** 6,266 square kilometres



**Operating Income:** \$25.647m (Audited Financial Statements 2021/22)



**Operating Expenditure:** \$24.993m (Audited Financial Statements 2021/22)



**Staff:** 90 (FTE)





**440km of riverbank**



**2,300 residential properties**



**155km of roads**



**28 CWMS  
20 public toilets**



**30 open spaces**



**80 marine facilities**



**\$7 million expended**





**Temporary levees removed**

**97% of roads reopened**

**25 CWMS and 16 public toilets recommissioned**

**24 open spaces reopened**

**Five Council boat ramps to reopen**

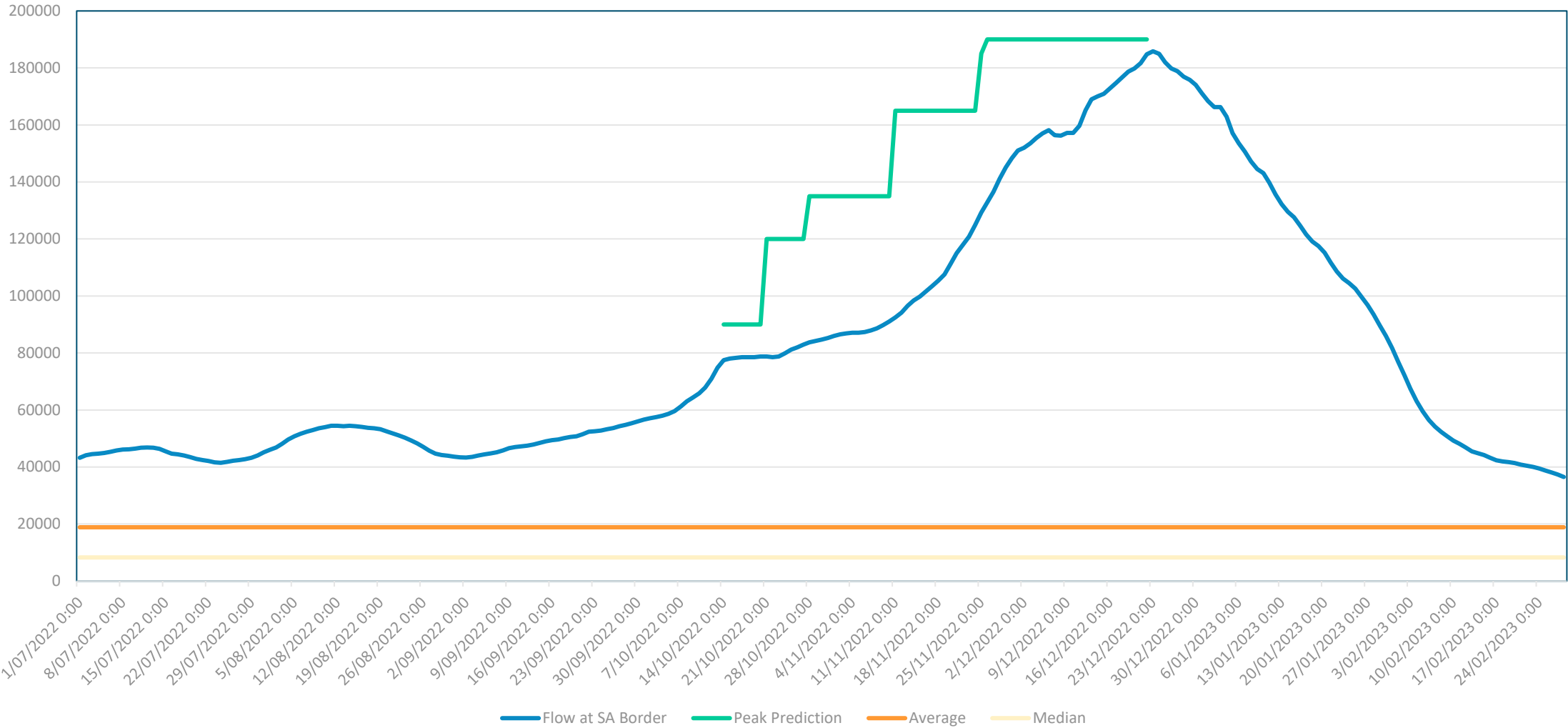




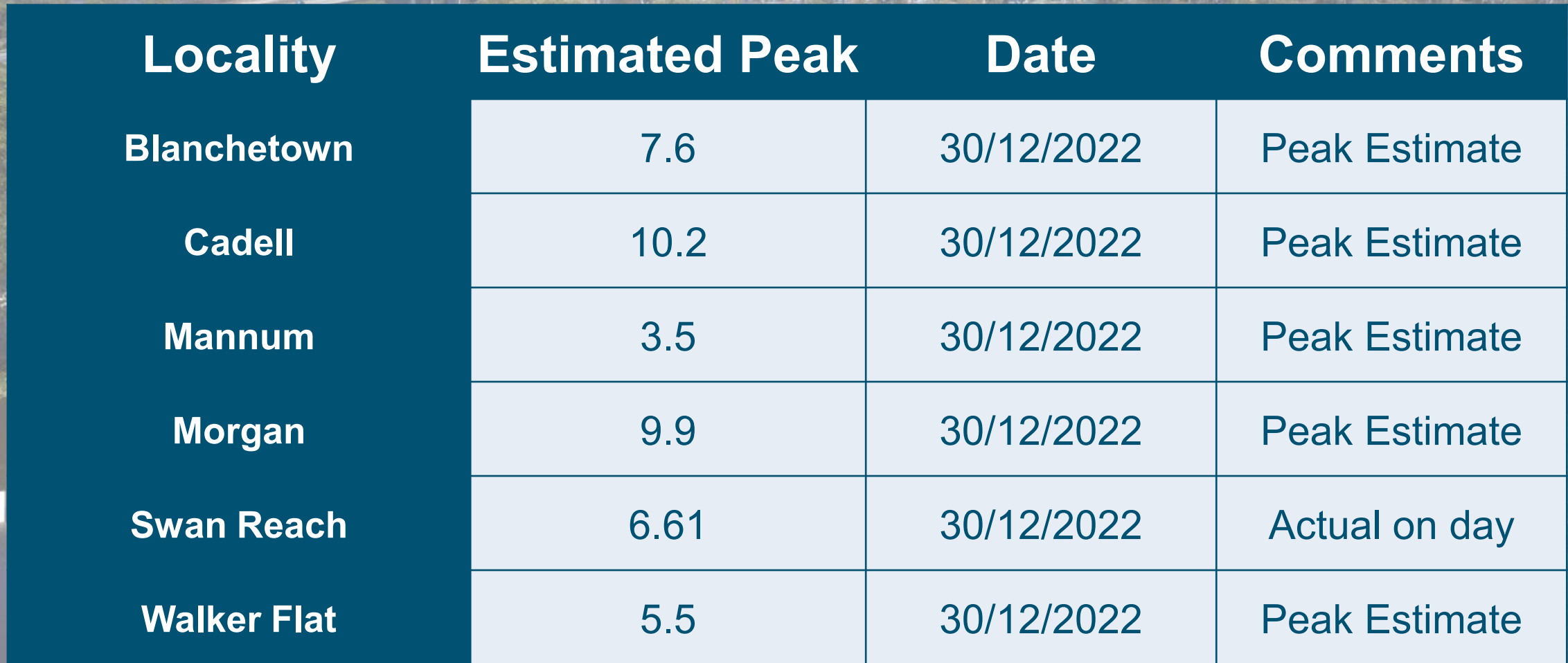
River Murray Flood Event – Recovery



### Flow Rate at SA Border (1 Jul - 28 Feb) Inc. Prediction, Average & Median Flow







| <b>Locality</b>    | <b>Estimated Peak</b> | <b>Date</b> | <b>Comments</b> |
|--------------------|-----------------------|-------------|-----------------|
| <b>Blanchetown</b> | 7.6                   | 30/12/2022  | Peak Estimate   |
| <b>Cadell</b>      | 10.2                  | 30/12/2022  | Peak Estimate   |
| <b>Mannum</b>      | 3.5                   | 30/12/2022  | Peak Estimate   |
| <b>Morgan</b>      | 9.9                   | 30/12/2022  | Peak Estimate   |
| <b>Swan Reach</b>  | 6.61                  | 30/12/2022  | Actual on day   |
| <b>Walker Flat</b> | 5.5                   | 30/12/2022  | Peak Estimate   |



|      |         |                       |      |          |         |       |             |      |       |
|------|---------|-----------------------|------|----------|---------|-------|-------------|------|-------|
| 2778 | RDC0688 | COWIRRA SWAMP ROAD    | Road | Unsealed | COUNCIL | 2.91  | Mannum      | 3.5  | 0.59  |
| 3732 | 8359    | RANDELL               | Road | Sealed   | DPTI    | 2.91  | Mannum      | 3.5  | 0.59  |
| 3844 | 6080    | HUNTER                | Road | Sealed   | DPTI    | 2.91  | Mannum      | 3.5  | 0.59  |
| 2052 | RDC0024 | TEAL FLAT ROAD        | Road | Sealed   | COUNCIL | 4.91  | Walker Flat | 5.5  | 0.59  |
| 3696 | 7115    | TEAL FLAT SHACK ROAD  | Road | Sealed   | PRIVATE | 4.91  | Walker Flat | 5.5  | 0.59  |
| 624  | RDC0411 | FLEET ROAD            | Road | Unsealed | COUNCIL | 6.02  | Swan Reach  | 6.61 | 0.59  |
| 3258 | 5180    | STOTT                 | Road | Sealed   | DPTI    | 6.02  | Swan Reach  | 6.61 | 0.59  |
| 2545 | RDC0824 | RICHARDS ROAD         | Road | Unsealed | COUNCIL | 9.6   | Cadell      | 10.2 | 0.6   |
| 1912 | RDC0061 | TEAL FLAT ROAD        | Road | Sealed   | COUNCIL | 4.9   | Walker Flat | 5.5  | 0.6   |
| 2130 | RDC0042 | PURNONG ROAD          | Road | Sealed   | COUNCIL | 4.9   | Walker Flat | 5.5  | 0.6   |
| 837  | RDC0306 | EAST FRONT ROAD       | Road | Sealed   | COUNCIL | 2.9   | Mannum      | 3.5  | 0.6   |
| 1354 | RDC1233 | RIVER LANE            | Road | Sealed   | COUNCIL | 2.9   | Mannum      | 3.5  | 0.6   |
| 1770 | RDC1146 | KHARTOUM ROAD         | Road | Sealed   | COUNCIL | 2.9   | Mannum      | 3.5  | 0.6   |
| 3733 | 8359    | RANDELL               | Road | Sealed   | DPTI    | 2.9   | Mannum      | 3.5  | 0.6   |
| 1667 | RDC1209 | KINGS RIVERSIDE DRIVE | Road | Unsealed | COUNCIL | 9.598 | Cadell      | 10.2 | 0.602 |
| 2741 | RDC0700 | HEINRICH ROAD         | Road | Unsealed | COUNCIL | 9.598 | Cadell      | 10.2 | 0.602 |
| 1856 | RDC1168 | HODGE ROAD            | Road | Sealed   | COUNCIL | 9.597 | Cadell      | 10.2 | 0.603 |
| 603  | RDC0397 | THIELE ROAD           | Road | Unsealed | COUNCIL | 2.89  | Mannum      | 3.5  | 0.61  |
| 1436 | RDC1189 | PURNONG ROAD          | Road | Sealed   | COUNCIL | 2.89  | Mannum      | 3.5  | 0.61  |
| 763  | RDC0321 | CLIFF VIEW DRIVE      | Road | Sealed   | COUNCIL | 4.89  | Walker Flat | 5.5  | 0.61  |
| 3726 | 5182    | ANGAS VALLEY          | Road | Sealed   | DPTI    | 4.89  | Walker Flat | 5.5  | 0.61  |

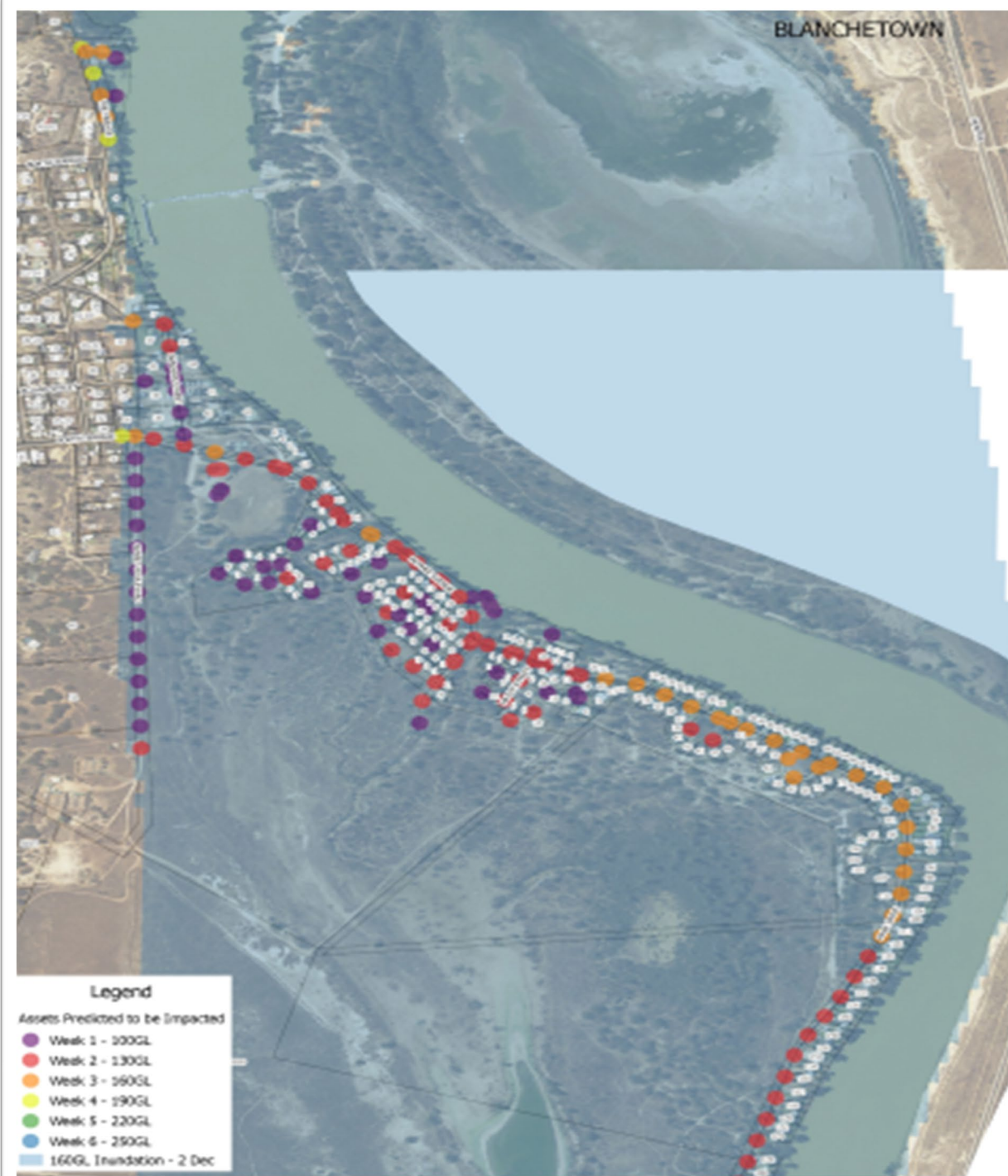
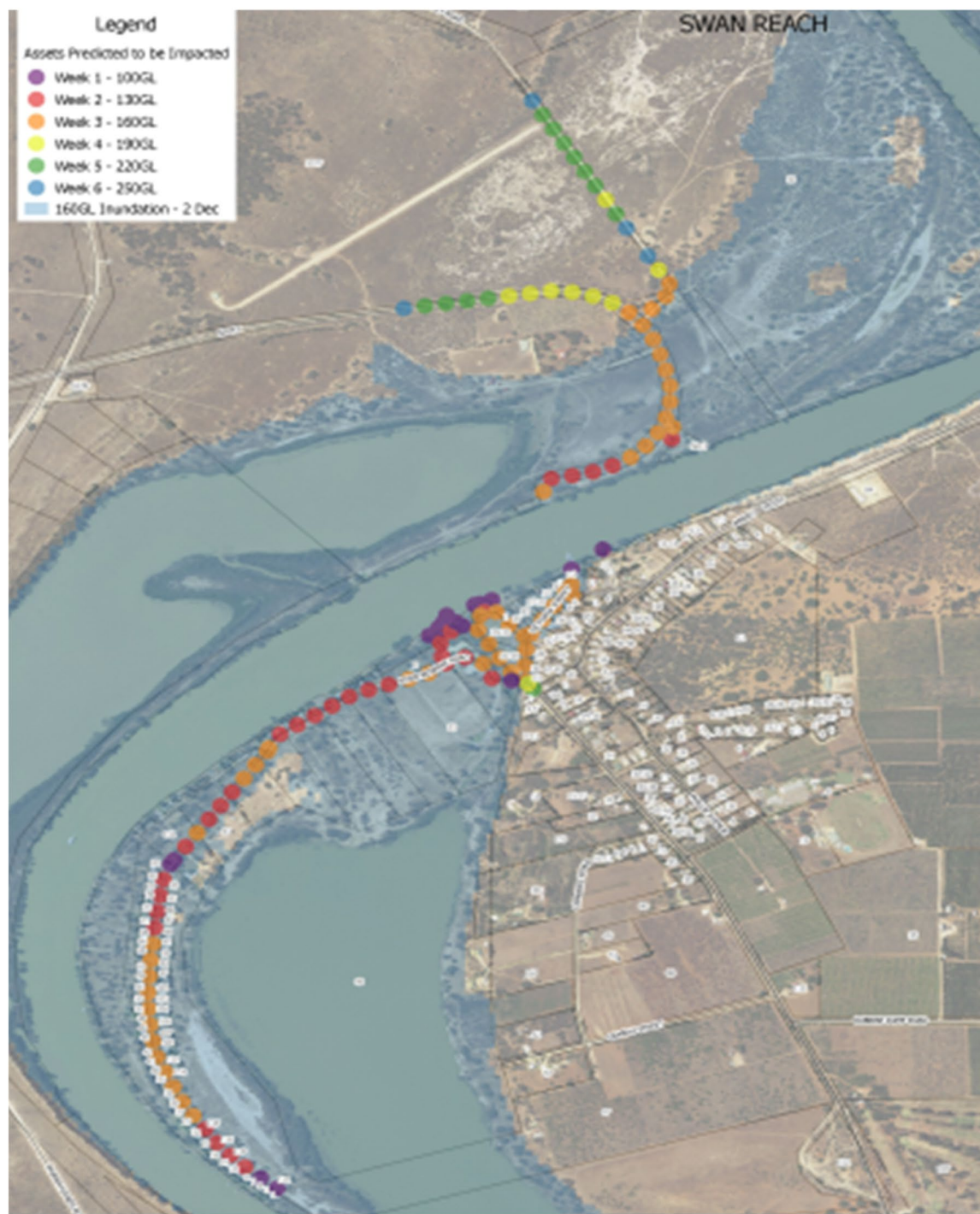


The table below provides the **earliest anticipated dates** of closure for roads and infrastructure in susceptible areas where privately owned infrastructure may be impacted or accessibility restricted.

| Location          | Infrastructure  | Closure After Date/Status |
|-------------------|---|---------------------------|
| South Punyelroo   | Shacks 82-87 CWMS Shut Down                               | CLOSED                    |
| Morgan            | Old Cadell Road Closure                                   | CLOSED                    |
| Beaumonts         | Old Murbko Road Closure                                   | CLOSED                    |
| McBeans Pound     | Road Closure  | CLOSED                    |
| South Punyelroo   | Boat Ramp   | CLOSED                    |
| Brenda Park       | Lot 60 & 114 CWMS Shut Down                               | 18/10/2022                |
| South Punyelroo   | CWMS Sump 3 Shut Down                                     | 24/10/2022                |
| Scotts Creek      | Shacks 203-210 CWMS Shut Down                             | 18/10/2022                |
| Brenda Park       | Shacks 57-69 CWMS Shut Down                               | 18/10/2022                |
| Pelican Point     | Shacks 59-61 CWMS Shut Down                               | 18/10/2022                |
| Brenda Park       | Road Closure/Gates Closed                                 | 20/10/2022                |
| Pelican Point     | Road Closure/Bin Bank relocation                          | 20/10/2022                |
| Scotts Creek      | Road Closure (Bin Bank location to be monitored)          | 20/10/2022                |
| Morphetts Flat    | Morphett Flat Road Closure                                | 20/10/2022                |
| Beaumonts         | Tenanabie & Barker Streets Road Closure                   | 24/10/2022                |
| Greenways Landing | Road Closure/CWMS Full System Shut Down/Boat Ramp Closure | 24/10/2022                |
| Marks Landing     | Shacks Lot 24 & 26 – River Reserve Road CWMS Shut Down    | 24/10/2022                |
| Kroehns Landing   | Kroehns Landing Access Road/Boat Ramp Closure             | 24/10/2022                |
| Beaumonts         | Baker Street Boat Ramp                                    | To be monitored           |
| Old Teal Flat     | Teal Cliff Road   | To be monitored           |



# River Murray Flood Event – CWMS Impact





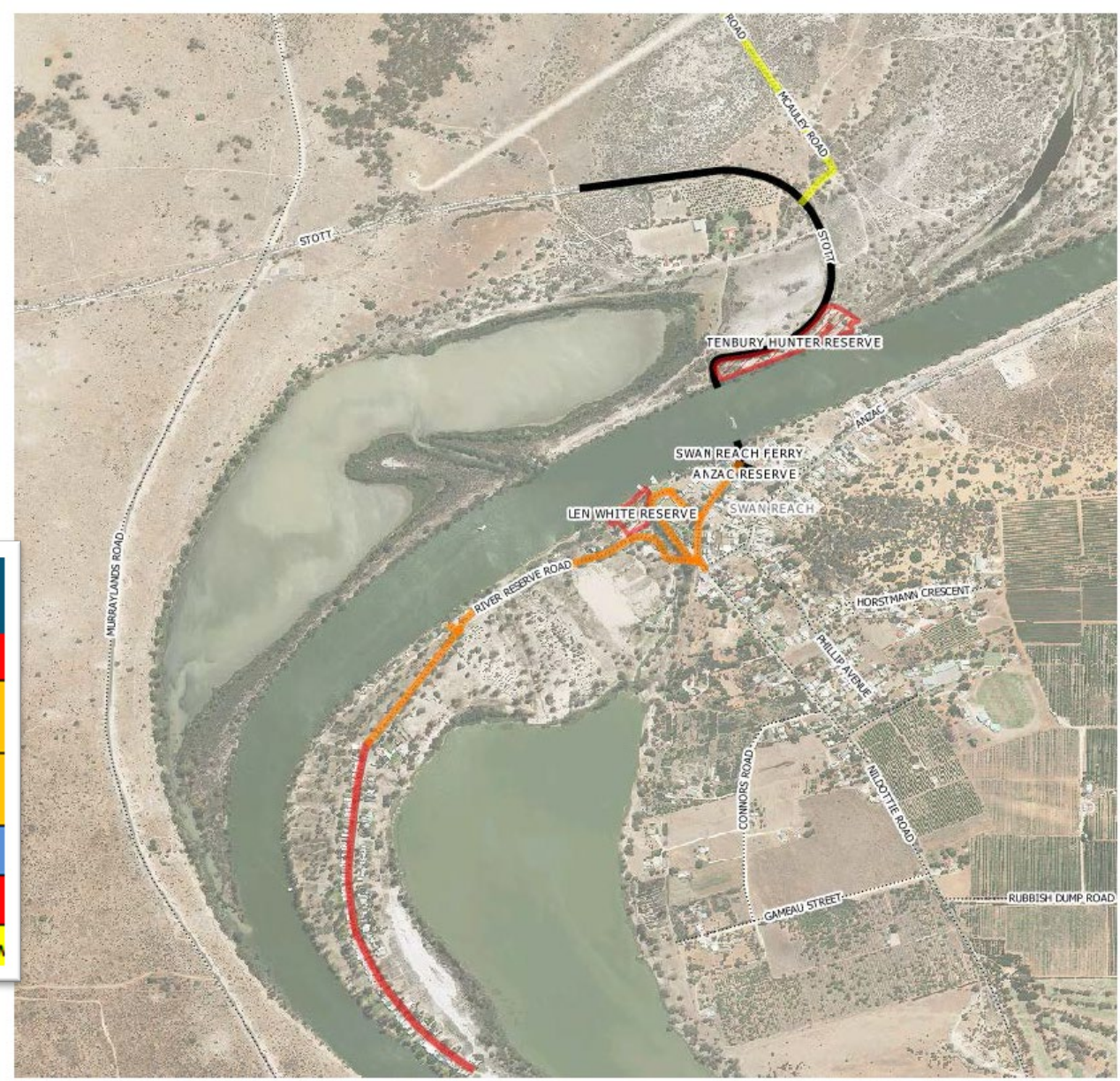
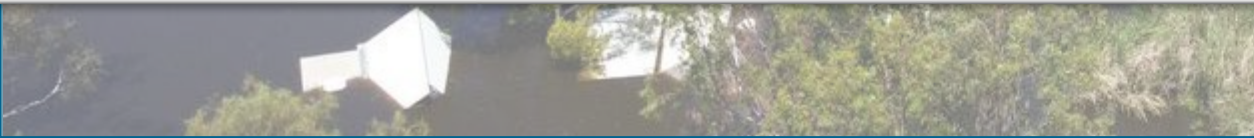


The maps below are presented in the following format:

- Closed** – Locations/assets are closed and can no longer be accessed.
- High Probability Impact** – the location/asset is predicted to be impacted soon (2-3 weeks). If you are impacted by these areas, it is recommended to act now.
- Moderate-Lower Probability Impact** – the location/asset is predicted to be impacted at the predicted moderate-lower probability of peak flows by DEW. Although closure/decommissioning may not occur in the next few weeks, it is highly recommended to be prepared for this to occur.



| Swan Reach & Surrounds                                   |  |                 |
|--|--|-----------------|
| Location   | Infrastructure   | Status          |
| Marks Landing & River Reserve Rd                         | CWMS has been shut down due to the loss of power by SAPN   | Closed          |
| Marks Landing Road, River Reserve Rd & Len White Reserve | Now that the power has been shutoff, inundation is likely to be soon and closure of road infrastructure and access to the reserve will be actioned shortly | High            |
| Bowling Club Lane, Victoria St & Anzac Reserve           | Inundation of these roads & reserve is predicted to occur shortly after the closure of River Reserve Rd  | High            |
| Stott Highway and Swan Reach Ferry                       | Closure will be announced by the Department for Transport & Infrastructure and is likely at the 120-130GL flow level                                       | TBA             |
| Fenbury Hunter Reserve                                   | This campground has been closed, power shut off and toilet closed.   | Closed          |
| McAuley Road   | This road has been predicted to be impacted if the river flow reaches 190-220GL levels   | Moderate to Low |





## CWMS Infra Flood Removal Required

| Location  | Items to be Removed  | Days Req  | Equipment Req | Works Already Completed   |
|---|--|-----------|---------------|---|
| Graham Claxton Reserve, Cadell Oval/Park @ Bottom end | 1x Switch Board left and CWMS alarm  | 1/2 Day   |               | Pumps have been removed & GPO's, BBQ                                  |
|   | TBC - Power/Sewer Pump   | 1 Day     |               | N/A   |
| Morgan Riverfront Reserve                             | 4x Switch Boards, 2x Mushrooms   | 1 Day     |               | Removed 2x Switch Boards, 2x Mushrooms                                |
|   | Needs cleaning out, 1x irrigation pump   | 1 Day     |               | N/A - Martin wants to do irrigation pump on Weds while crane is there |
| Old Morgan Morgue Caravan Park @ Front Reserve        | 1x Switch Board, Gas BBQ   | 1 Day     |               | Removed blue pillar that the houseboats plug into.                    |
|   | Need to prepare site to run on generator   | 1-2 Days  |               | N/A   |
| Morgan WWTP   | Complete CWMS Shutdown in park, 1x Switch Board  | 1-2 Days  |               | N/A   |
| Beaumonts/NWB   | Plant will be okay, Sump Already Removed & Switch Boards, Pump prepared for flood and left in.   | Completed |               | <b>Completed</b>  |
|   | 2x Switch Boards, 2x Aerators, Complete strip of electrics required & pumps  | 1 -2 Days | Crane Req     | N/A - To be completed on Wednesday 16/11                              |
| Scotts Creek  | Already stripped. Only things left are 1x Switch board and meter. *Concern of timber frame building, will need to be stripped after event* | 1 Day     |               | <b>Completed</b>  |
| Pelican Point   | 2x Switch boards, 4x Blowers, 2x Pumps to be removed.  | 1-2 Days  |               | N/A   |





River Murray Flood Event - Blanchetown



## CWMS Decommissioning Information

| Plant Name                   | Service Code Used | Date of Decommissioning   | Reason for Decommissioning                          | SAPN Notification Date (If received) |
|------------------------------|-------------------|---|---|--------------------------------------|
| BIG BEND CWMS                | 38                | 5-Dec-22  |   |                                      |
| BLANCHETOWN CWMS             | 47, 48, 52, 57    | 5-Dec-22  |   |                                      |
| BOLTO RESERVE CWMS           | 42                | 15-Dec-22   |   |                                      |
| BOWHILL CWMS                 | 62                | 13-Dec-22   |   |                                      |
| BRENDA PK/MORPHETT CWMS      | 46, 49            | 16-Nov-22   |   |                                      |
| CALOOTE LANDING CWMS         | 31                | 12-Dec-22   | Drains flooding - MMC turned off                    |                                      |
| CAURNAMONT CWMS              | 24                | 4-Dec-22  | SAPN turned off power to wwtp                       |                                      |
| COWIRRA CWMS                 | 79, 80            | 14-Dec-22   |   |                                      |
| FIVE MILE SHACKS CWMS        | 25                | 14-Dec-22   |   |                                      |
| GREENWAYS CWMS               | 37                | Lot 3 to Lot 125 - Decomm 1-Nov-22<br>System Decomm - 11-Nov-22 | Full<br>MMC turned off - Flooding connection points |                                      |
| IDYLL ACRES CWMS             | 54, 59            | Lower Sump Turned off - 30-Nov-22                               | MMC turned off - Flooding sump                      |                                      |
| JULANKER/YOUNGHUSBAND CWMS   | 67, 68            | 7-Dec-22  | SAPN turned off power to wwtp                       |                                      |
| KIA MARINA CWMS              | 26                | 13-Dec-22   |   |                                      |
| KROEHNS LANDING CWMS         | 36                | 15-Nov-22   |   |                                      |
| MARKS LANDING CWMS           | 29, 45            | 13-Nov-22   | SAPN turned off power to wwtp                       | IEM19534-22                          |
| NORTH PUNYELROO CWMS         | N/A               | N/A   | N/A   | N/A                                  |
| NTH WEST BEND/BEAUMONTS CWMS | 56, 58            | 1-Nov-22  | SAPN turned off power to wwtp                       |                                      |





River Murray Flood Event – Len White Reserve





River Murray Flood Event – Brenda Park





River Murray Flood Event - Haythorpe





River Murray Flood Event - Haythorpe





River Murray Flood Event – South Punyelroo





River Murray Flood Event – Kroehns Landing





River Murray Flood Event – Walker Flat

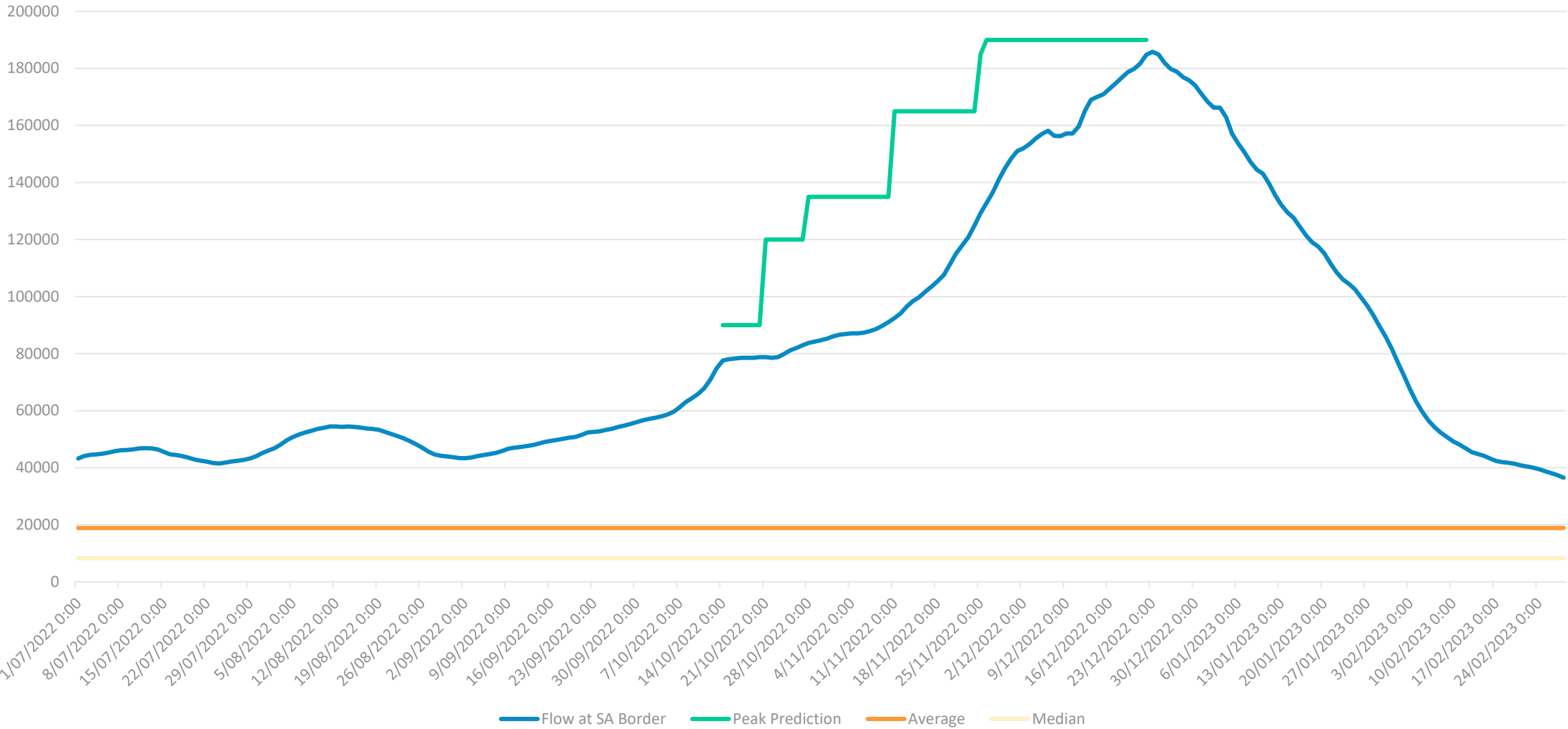




River Murray Flood Event – Scotts Creek and Pelican Point



### Flow Rate at SA Border (1 Jul - 28 Feb) Inc. Prediction, Average & Median Flow







**River Murray Flood Event – Impact - River levels Brenda Park for comparison**





River Murray Flood Event – Mannum





## River Murray Flood Event – Current Status





# River Murray Flood Event 2022-2023