Tasmanian Irrigation

# TI Business Update

Jacob Gerke

Sophie Grace

David Skipper

# BUILD PROJECTS

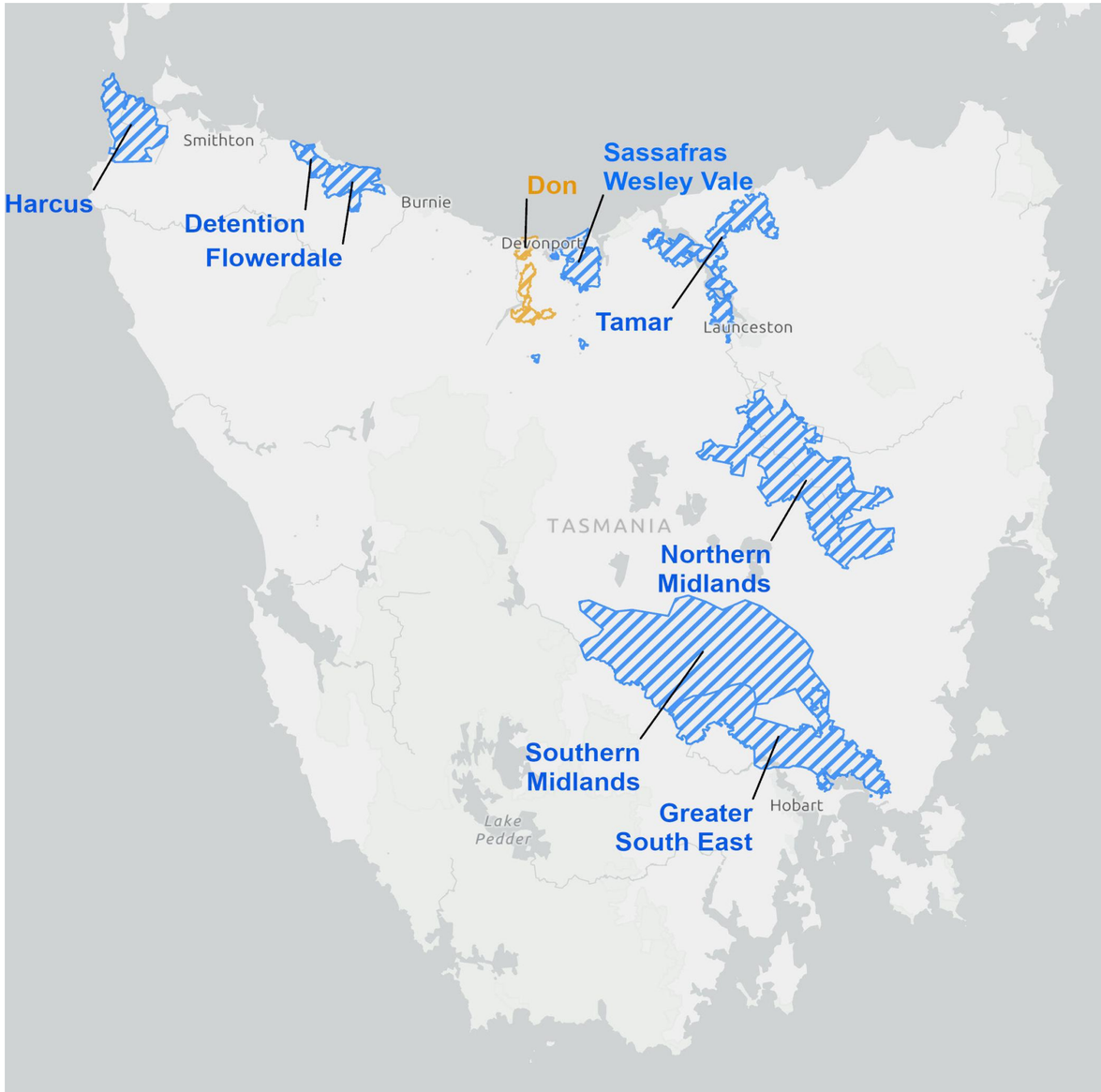
Jacob Gerke

# Tranche Three Program

- 9 schemes in program
- 130,000+ ML capacity
- Funding so far:
  - Australian Government $364.27m
  - State Government $193.35m

| T3 Scheme - Capital | P90 CAPEX (M) |
|---|---|
| Don | $54.41 |
| Northern Midlands | $217.96 |
| Sassafras Wesley Vale Augmentation | $124.19 |
| Greater South East Irrigation Project | $301.14 |
| **Sub-Total** | **$697.70** |

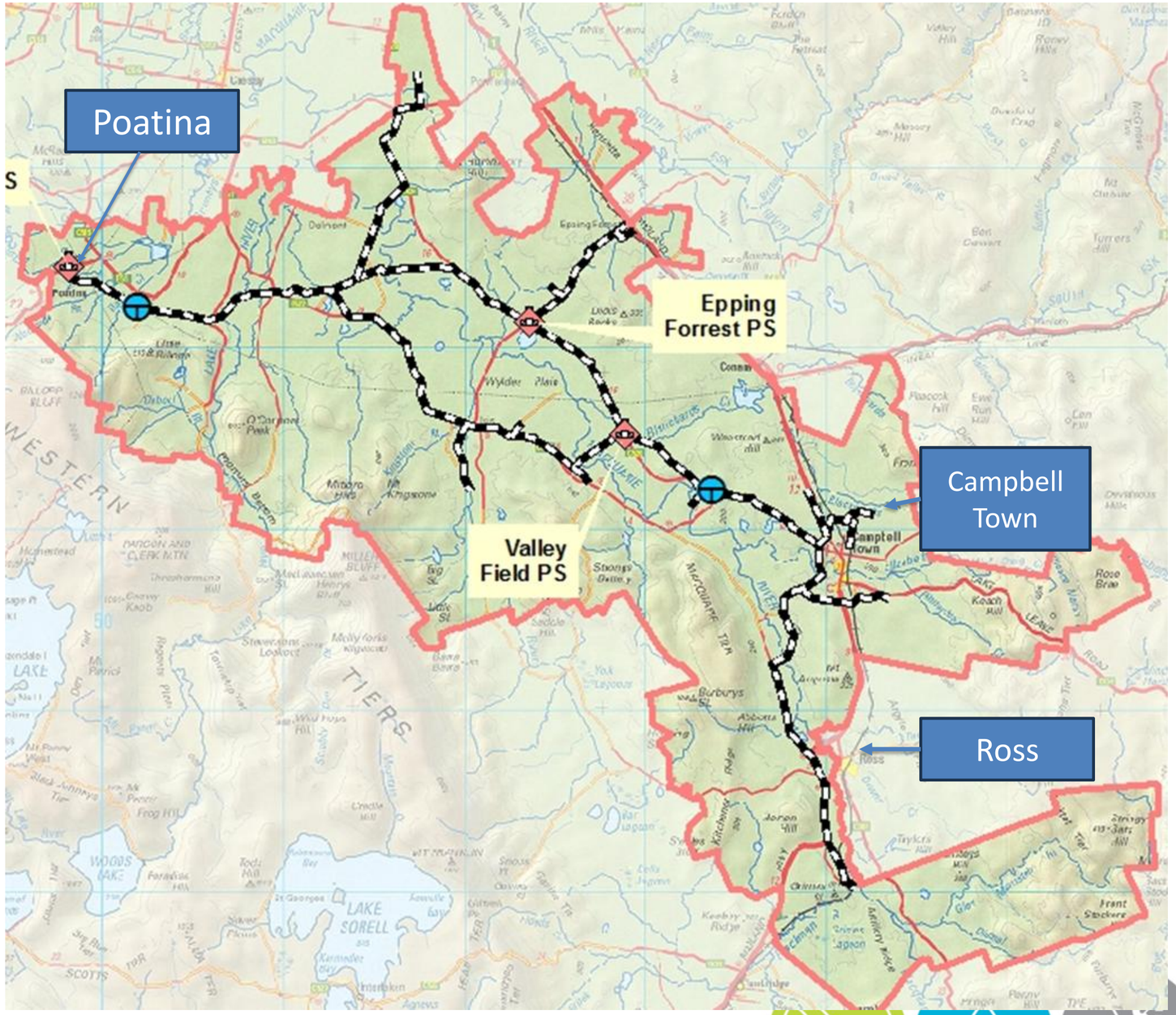
- Estimated total cost **$1.3b**



# Northern Midlands Irrigation Scheme

- 25,500ML scheme (summer) ($2m^3/s$)
- $217m capital cost
- 50 irrigators
- Construction commenced Aug 24
- Delivering water October 2026

– 1 dam
– 3 pump stations
– 2 tanks
– 155km HDPE pipe
  - 80km = 1000mm pipe
  - >15,000Te of HDPE pipe



# Pipelines – Construction Underway

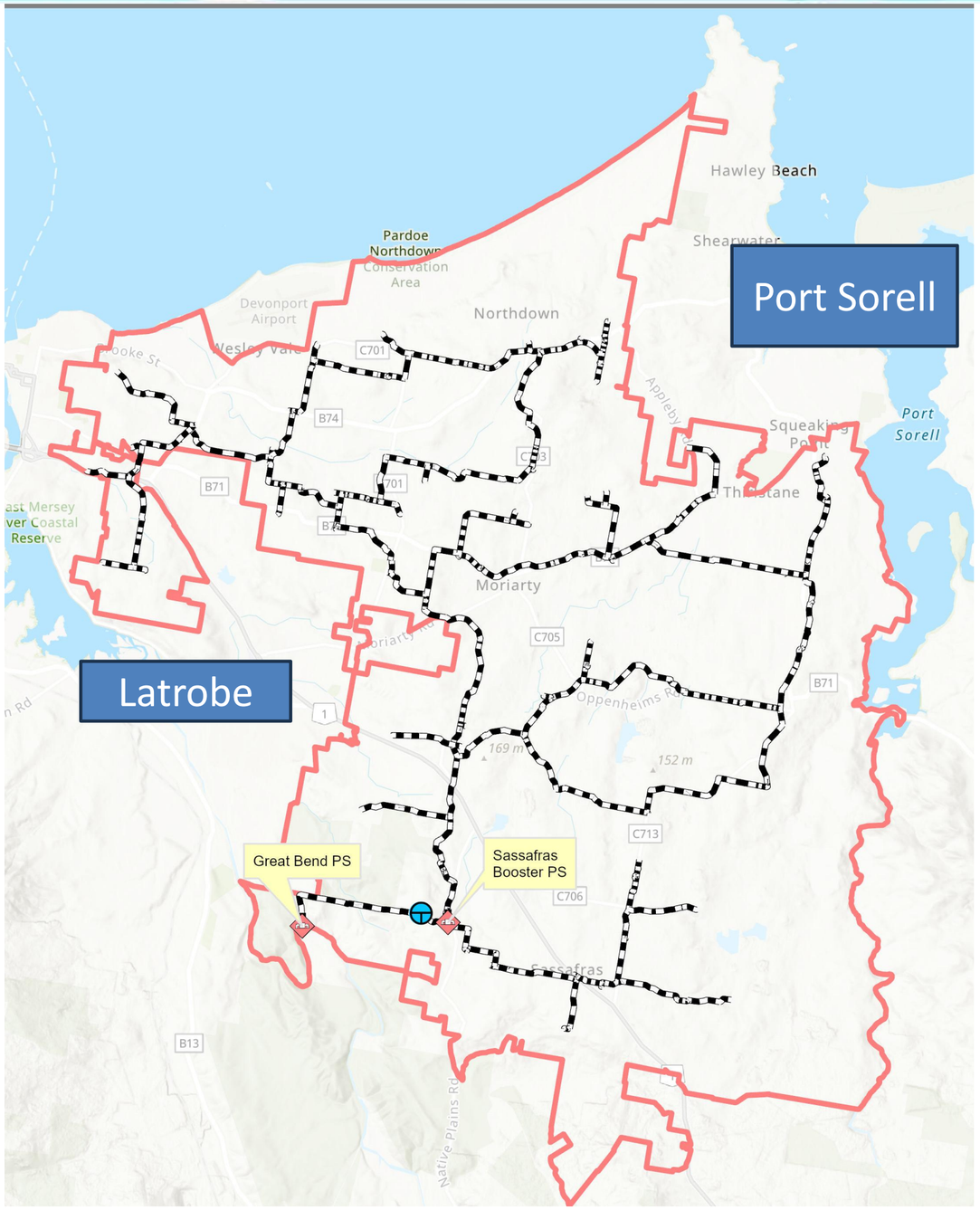


# Poatina Buffer Dam – Construction Underway


# Wesley Vale / Sassafras Augmentation

- Increasing capacity to  14,860 ML (Summer)
- Project budget $124.2m
- New scheme replacing old scheme
- 94 irrigators
- Water supply Mersey River, supplemented by Hydro Tasmania
- Detailed design complete
- Currently working through EPBC approval
- Tender to be release June 2025

- 2 pump stations
- 1 tank
- 107km HDPE pipe



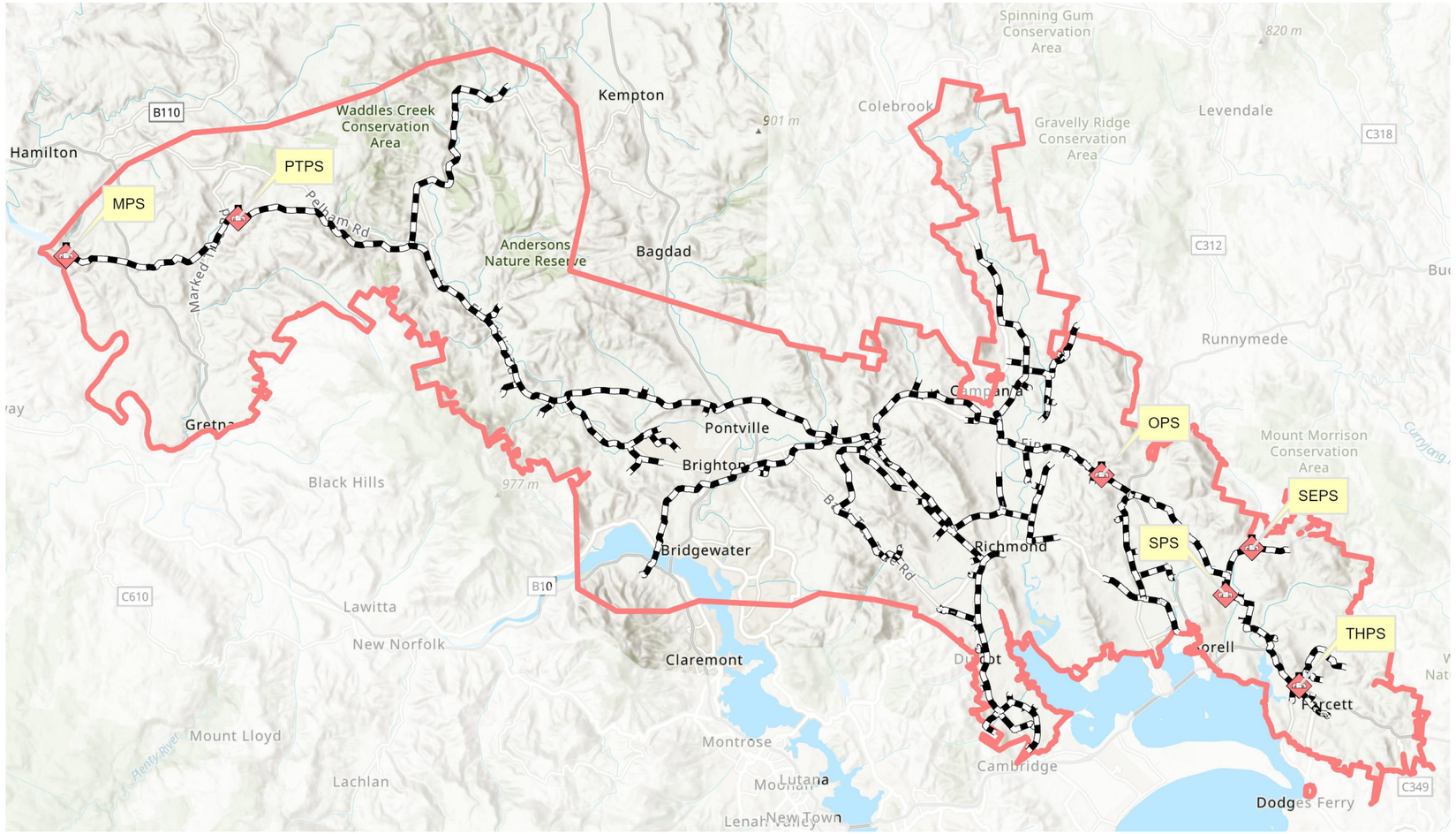
# Greater South East Project

## Project objectives

- Establish a reliable fit-for-purpose water supply, removing reliance on the TasWater drinking water supply
- Combine existing Schemes Stages 1,2,3 onto one scheme
- Meet demand for new water

## Project details

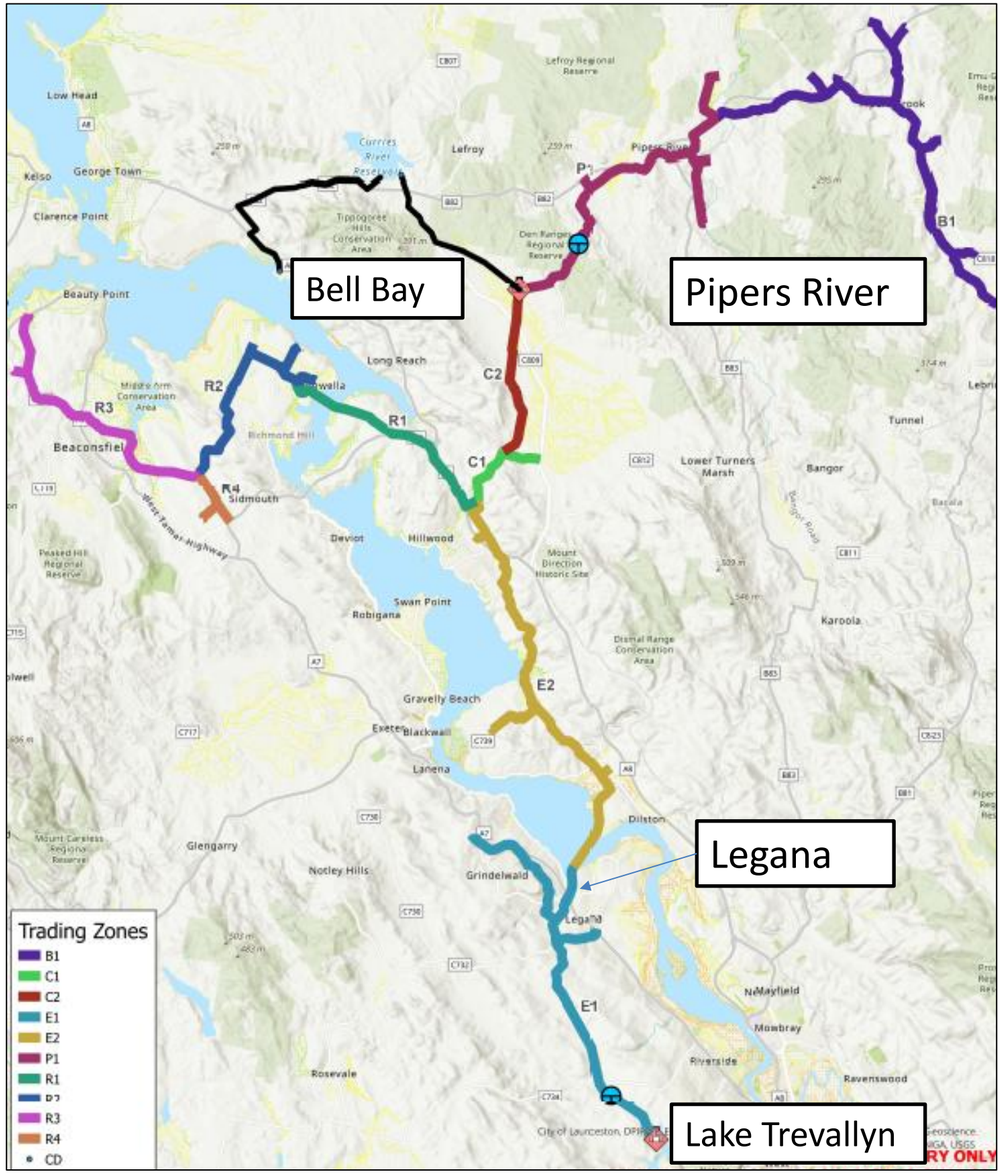
- 18,600 ML per season scheme capacity
- 11,000 ML of new sales
- Project cost estimate $301m
- Fully funded
- Business case very strong: NPV $291m BCR 2.07
- Large negative effects of doing nothing
- Commission 2030



# Tamar Irrigation Scheme

- Scheme to support agriculture and industrial water
- Insufficient agriculture demand for scheme to proceed without industrial water
- Currently Drafting Business Case – Due July 2025

- 3 pump stations
- 2 tanks
- 142km HDPE pipe
- 2 Tamar River crossings



# ENVIRONMENTAL UPDATE

Sophie Grace

## Our Core Workstreams

**Compliance** - Ensuring we meet regulatory and environmental standards.

**Projects** - Securing environmental approvals for new schemes.

**Sustainability -** Planning for the long-term viability and adaptation of our schemes.

**Environmental Compliance – what is involved:**

- Farm Water Access Plans (>867 plans in place)
- Managing compliance with Water licence conditions
- Water quality monitoring (>124 sites)
- Groundwater monitoring (13 sites)
- Biological assessment monitoring
- Water quantity monitoring (20+ weirs)

# Sustainability Plan

Ensuring schemes designed to last 100 years;

Being prepared for legislative changes and Governmental policy changes;

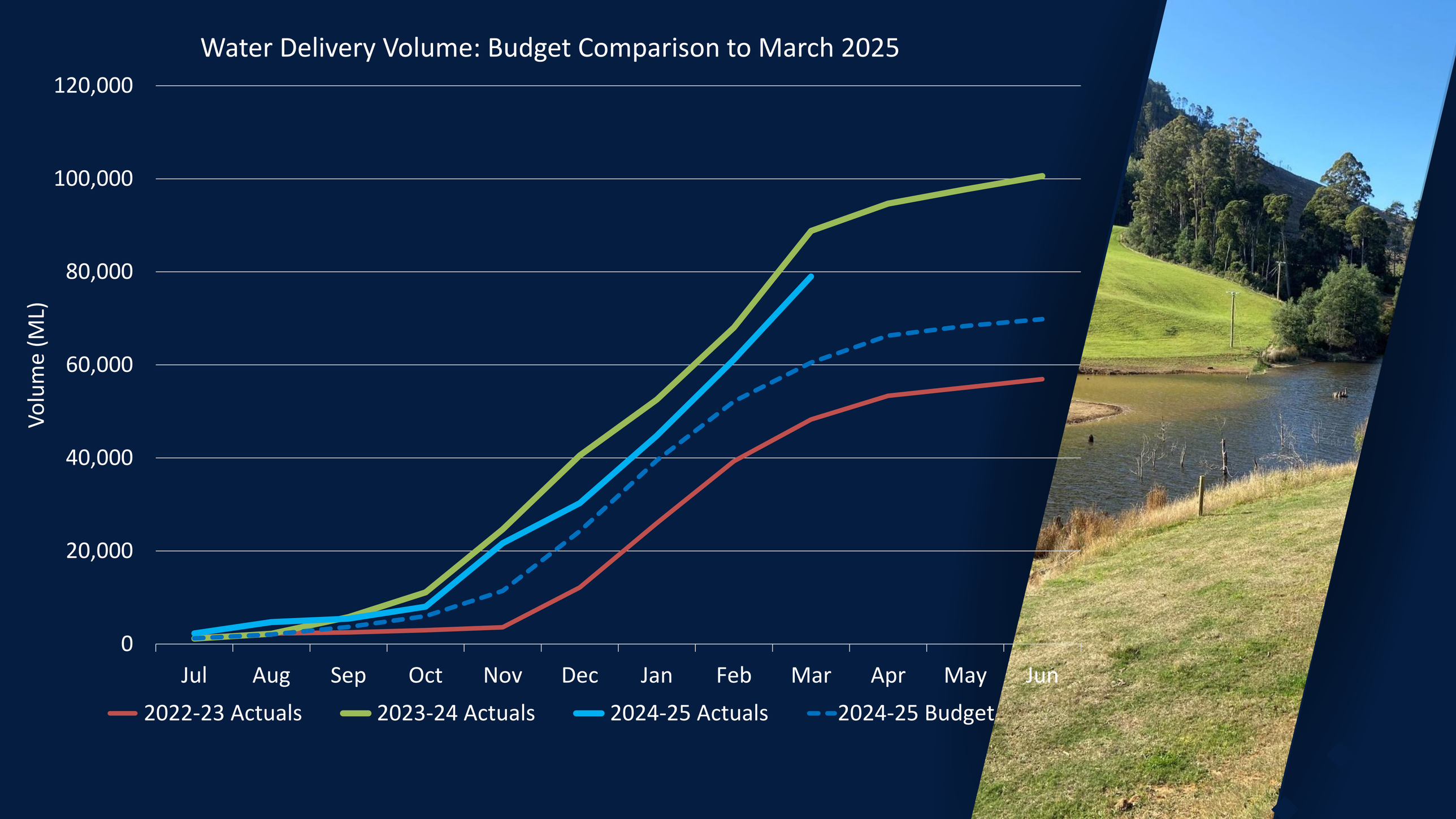
Addressing long-term environmental and societal changes..


| Goals | Targets | Actions | By When |
|---|---|---|---|
| **RESILIENT OPERATIONS** *(Maximise Water, Energy, and Resource Efficiency)* | Achieve Carbon Neutral Operations by 2030 | Implement emission reduction plans for Scope 1 and 2 emissions. | 2026 |
| | Achieve alignment with the Tasmanian Department of Natural Resources and the Environment Rural Water Use Strategy. | Establish baseline criteria and alignment to enable ongoing evaluation of Tasmanian Irrigations participation and performance against the Rural water use strategy. | 2025 |
| | | Review of Tasmanian Irrigation water quality monitoring and reporting program efficacy. | 2025 |
| **INCLUSIVE PRACTICES** *(Embrace Inclusion and Diversity)* | Achieve meaningful inclusion and collaboration with Aboriginal communities in all Tasmanian Irrigation projects and ongoing operations. | Develop and implement an Aboriginal Engagement and Participation Plan to ensure meaningful inclusion and collaboration with Aboriginal communities. | 2025 |
| | Enhance stakeholder transparency and accountability in relation to Environmental, Social and Governance (ESG) matters. | ESG reporting framework implemented for TI Operations. | 2026 |
| **CIRCULAR ECONOMY** *(Design Out Waste and Embrace Nature Positive Outcomes)* | Achieve net gain for matters of national environmental significance (MNES) on all Tasmanian Irrigation Projects. | Development of biodiversity conservation and habitat restoration plan for Tasmanian Irrigation projects. | 2026 |
| | | Develop a partnership strategy to improve to achieve greater impact in areas such as education, outreach, & land conservation. | 2025 |
| | Increased supply chain transparency and performance | Development of a waste management baseline assessment and supporting management plan | 2025 |
| | | Develop a supplier sustainability program to guide internal purchases and decisions | 2025 |

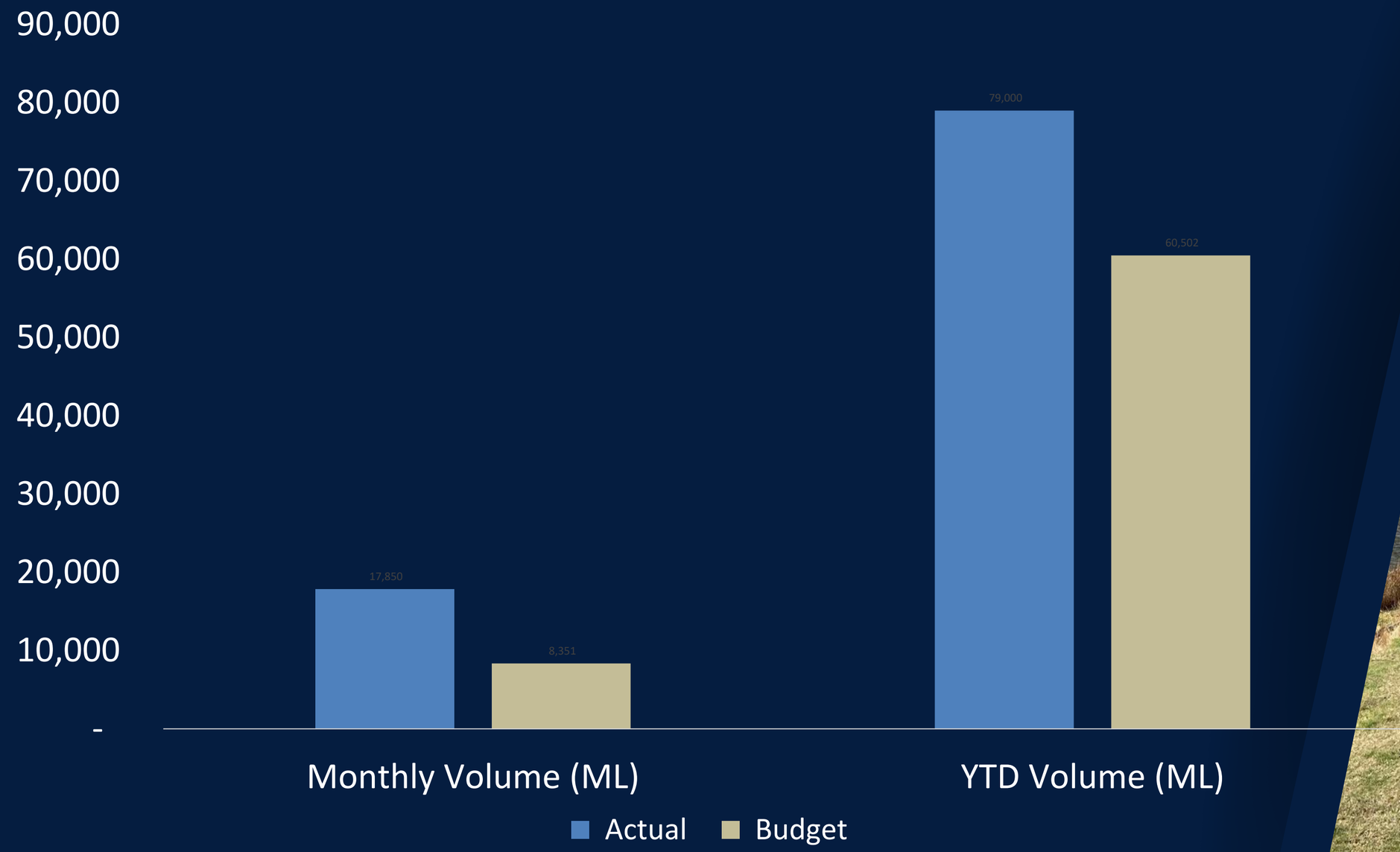
# OPERATIONAL UPDATE

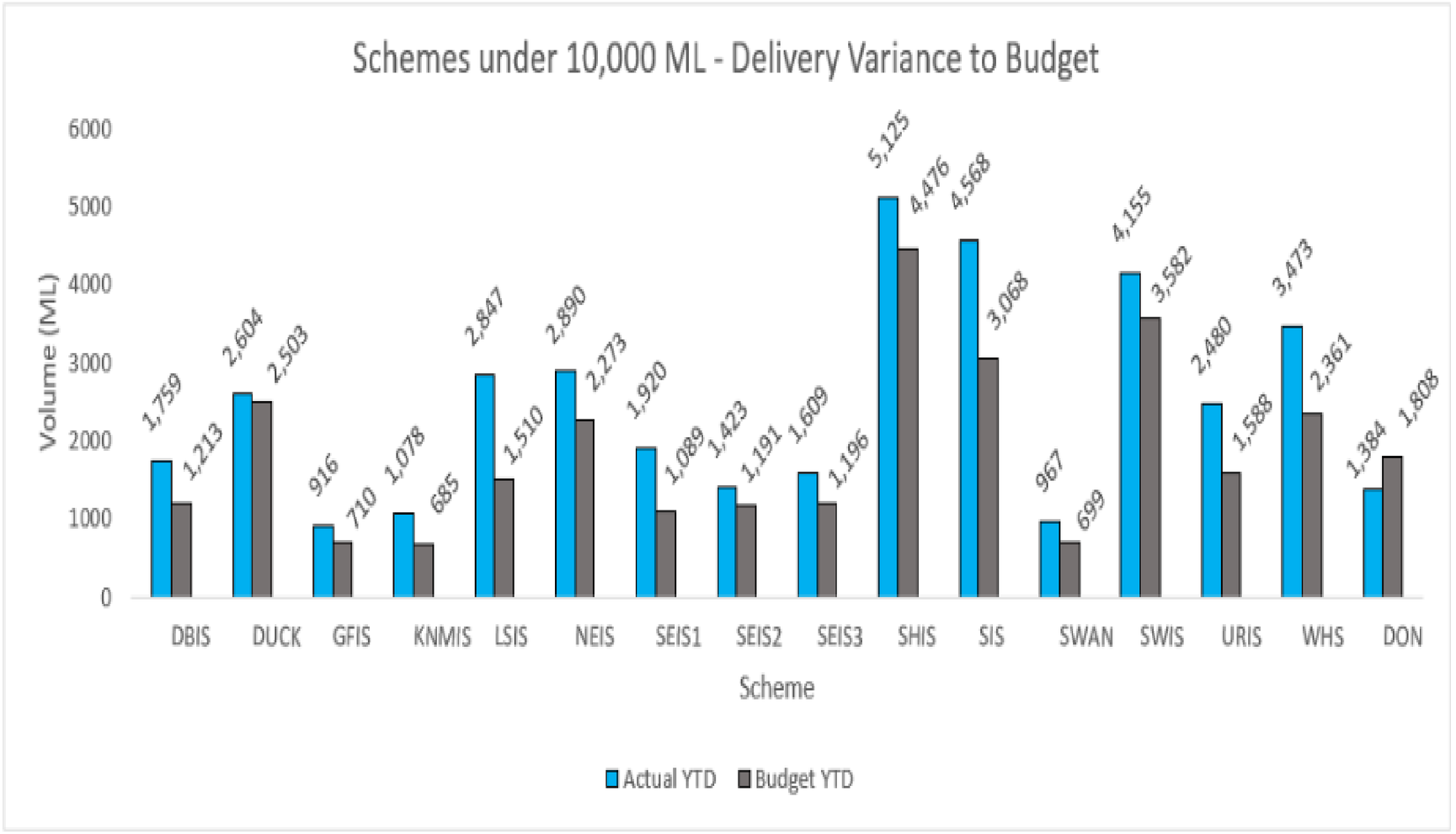
David Skipper

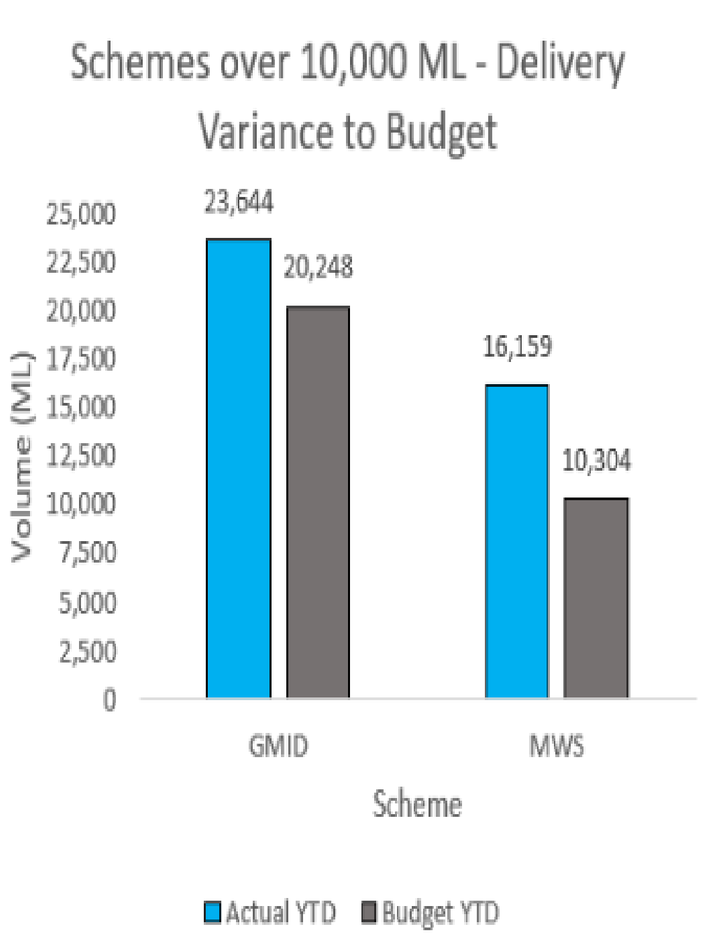
# Water Delivery Volume: Budget Comparison to March 2025

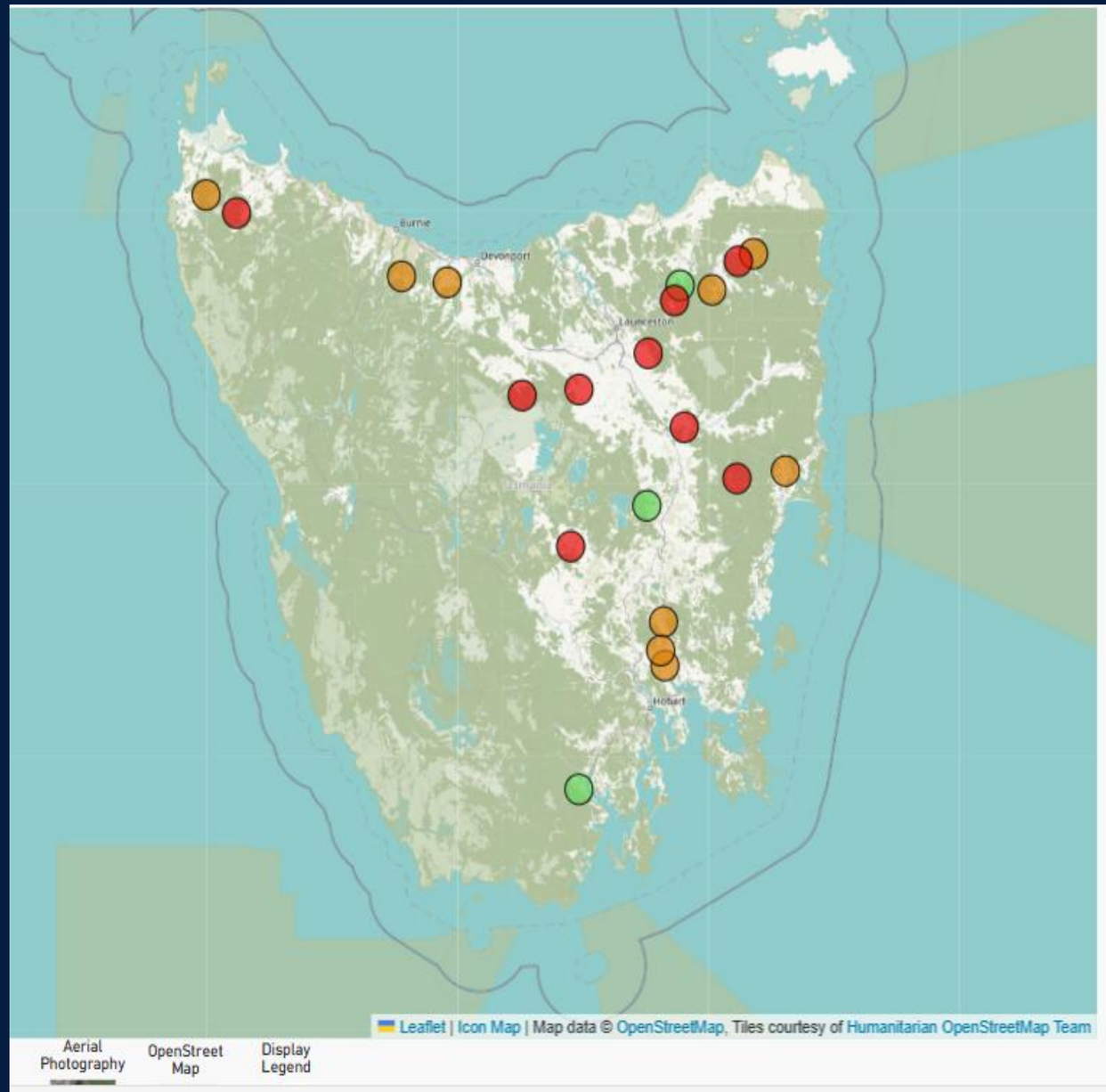


# Water Delivered (31 March)





Schemes under 10,000 ML - Delivery Variance to Budget
Volume (ML)
6000
5000
4000
3000
2000
1000
0
1,759
1,213
2,604
2,503
916
710
1,078
685
2,847
1,510
2,890
2,273
1,920
1,089
1,423
1,191
1,609
1,196
5,125
4,476
4,568
3,068
967
699
4,155
3,582
2,480
1,588
3,473
2,361
1,384
1,808
DBIS
DUCK
GFIS
KNMIS
LSIS
NEIS
SEIS1
SEIS2
SEIS3
SHIS
SIS
SWAN
SWIS
URIS
WHS
DON
Scheme
Actual YTD
Budget YTD


Schemes over 10,000 ML - Delivery Variance to Budget
Volume (ML)
25,000
22,500
20,000
17,500
15,000
12,500
10,000
7,500
5,000
2,500
0
23,644
20,248
16,159
10,304
GMID
MWS
Scheme
Actual YTD
Budget YTD




External System Links

SCADA | Survey 123

DataPacks | Google Maps

SOP

Note: Select a dam from the map otherwise the links will direct to Camden Rivulet Dam

MetEye | Water and Land Pressure

Earthquakes@GA | Water Portal

Latest Status

| Dam Name | Full Supply Level | Dam Level Latest | +/- from FSL | Total Volume | Current Volume | % Fill |
|---|---|---|---|---|---|---|
| Headquarters Rd Dam | 283.00 | 282.37 | -0.63 | 2,330 | 2,094 | 90% |
| Upper Floods Creek Dam | 307.00 | 306.43 | -0.57 | 500 | 435 | 87% |
| Rileys Creek Dam | 64.65 | 63.78 | -0.87 | 971 | 784 | 81% |
| Melrose Dam | 62.00 | 59.95 | -2.05 | 3,440 | 2,743 | 80% |
| Daisy Bank Dam | 126.50 | 124.90 | -1.60 | 186 | 144 | 77% |
| Rekuna Dam | 165.00 | 164.19 | -0.81 | 207 | 159 | 77% |
| Upper Galeford Dam | 53.28 | 52.00 | -1.28 | 109 | 80 | 73% |
| Craigbourne Dam | 166.20 | 164.10 | -2.10 | 12,600 | 9,001 | 71% |
| Sprent Dam | 221.00 | 220.00 | -1.00 | 259 | 180 | 69% |
| South Riana Dam | 299.75 | 296.59 | -3.16 | 4,069 | 2,382 | 59% |
| Dunns Creek Dam | 288.00 | 282.80 | -5.20 | 6,680 | 3,824 | 57% |
| Frome Dam | 329.00 | 325.90 | -3.10 | 2,136 | 1,149 | 54% |
| Lake Leake Dam | 571.50 | 569.28 | -2.22 | 22,076 | 9,738 | 44% |
| Liffey Holding Dam | 195.32 | 193.40 | -1.92 | 97 | 42 | 44% |
| Mill Creek Dam | 58.50 | 52.19 | -6.31 | 6,275 | 2,612 | 42% |
| Camden Rivulet Dam | 577.50 | 573.82 | -3.68 | 9,780 | 4,052 | 41% |
| Cascade Dam | 342.47 | 336.50 | -5.97 | 3,450 | 1,248 | 36% |
| Rocklands Dam | 240.40 | 232.71 | -7.69 | 5,580 | 1,382 | 25% |
| Milford Dam | 203.35 | 196.06 | -7.29 | 5,996 | 1,436 | 24% |
| Meander Dam | 402.00 | 388.78 | -13.22 | 43,000 | 10,283 | 24% |
| Southernfield Dam | 542.65 | 531.60 | -11.05 | 8,162 | 1,620 | 20% |

Total Volume (ML)

137,903

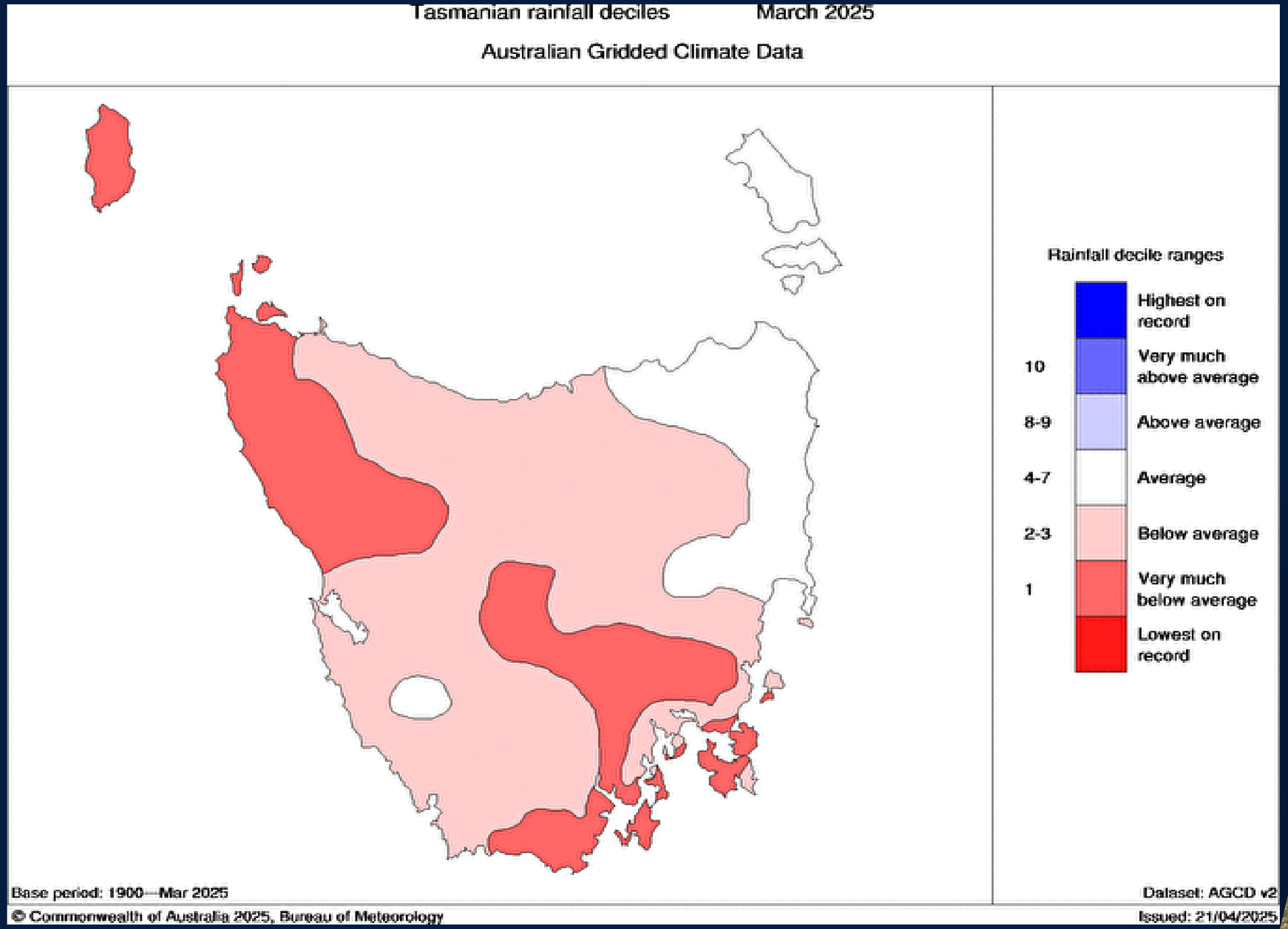
Current Volume (ML)

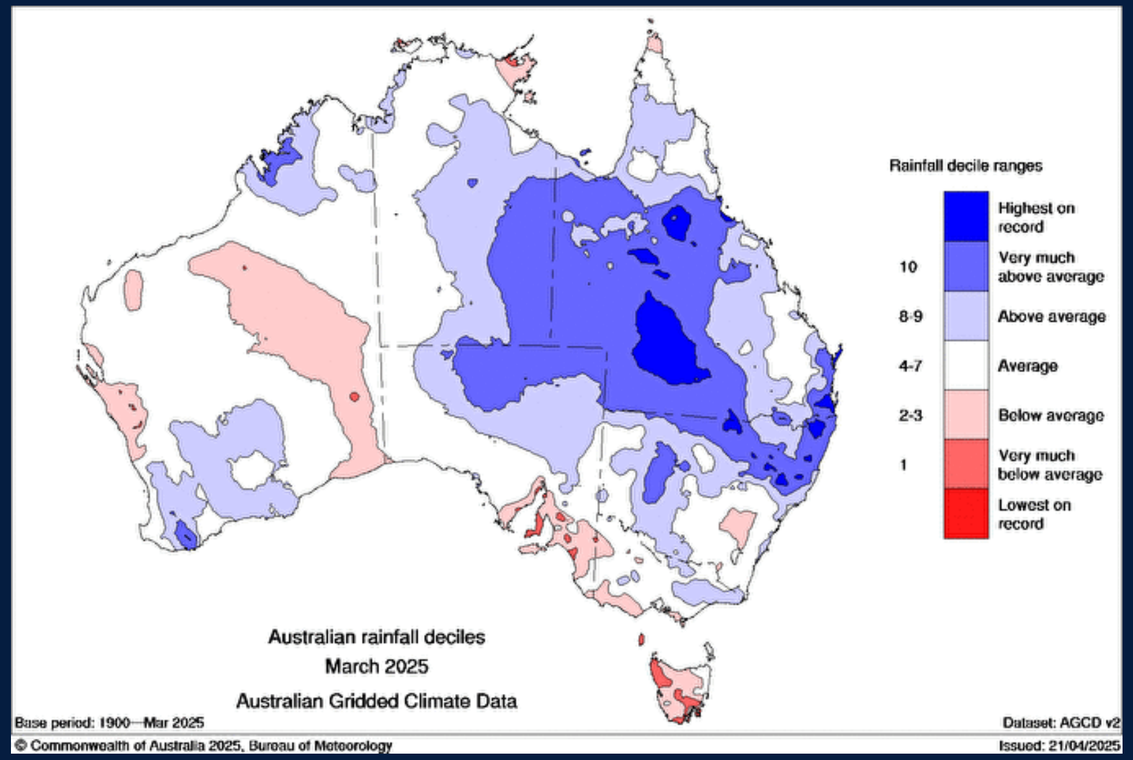
55,388

% Fill

40%


DSD - Power BI


Tasmanian rainfall deciles March 2025
Australian Gridded Climate Data
Rainfall decile ranges
10
8-9
4-7
2-3
1
Highest on record
Very much above average
Above average
Average
Below average
Very much below average
Lowest on record
Base period: 1900—Mar 2025
Dataset: AGCD v2
© Commonwealth of Australia 2025, Bureau of Meteorology
Issued: 21/04/2025



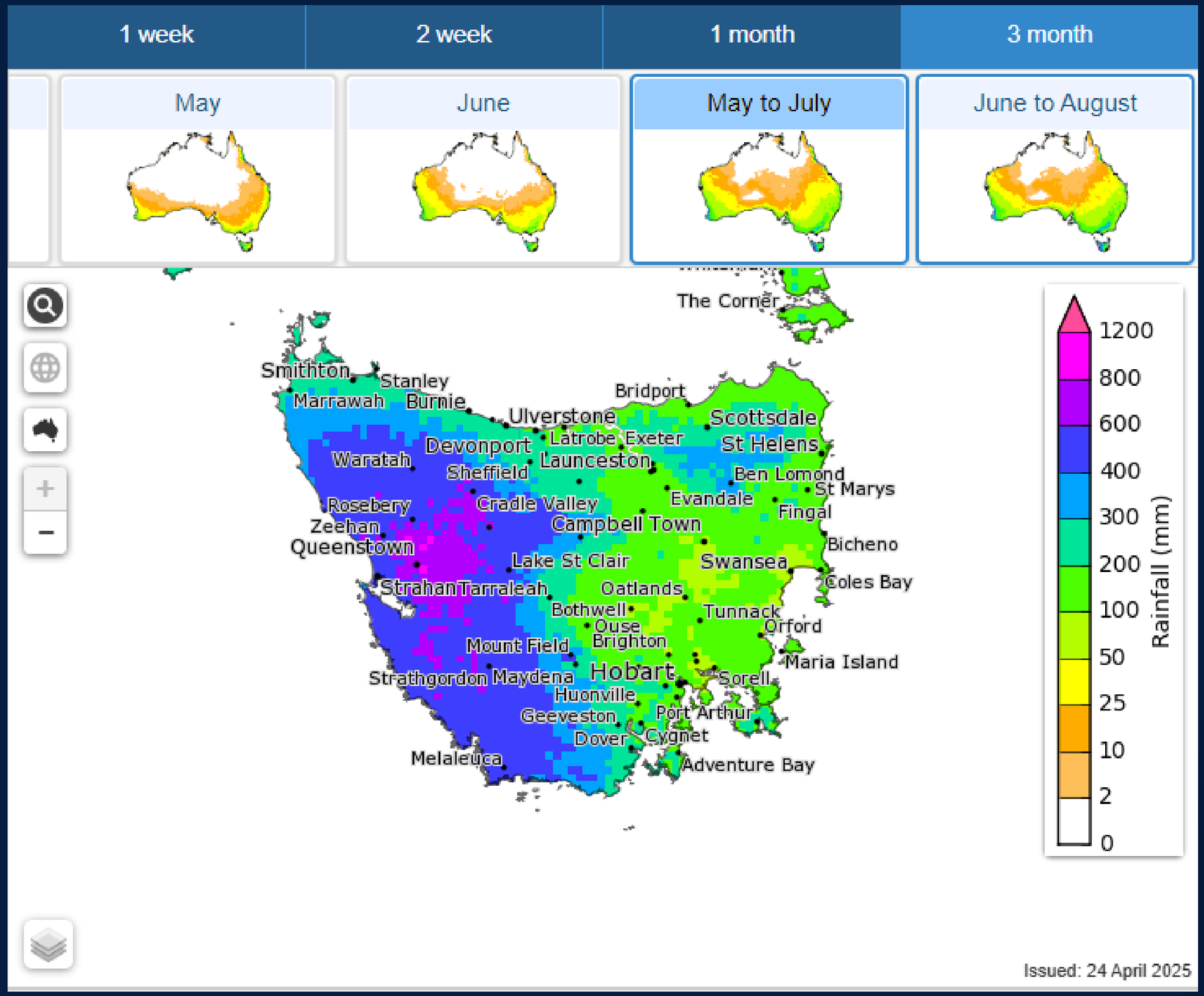

**Dryness ongoing across Tasmania and the south-eastern mainland**

Rainfall decile map for March

March rainfall was below average to very much below average (in the lowest 10% of Marches since 1900) for:

- **most of Tasmania**
- much of south-eastern South Australia
- parts of north-western and coastal southern Victoria
- small areas of the Top End in the Northern Territory
- parts of western, inland and south-eastern Western Australia

**Tasmania had its driest March since 2005, with the state area-averaged rainfall total 51% below the 1961–1990 average.**


1 week
2 week
1 month
3 month
May
June
May to July
June to August
The Corner
Smithton
Stanley
Marrawah
Burnie
Bridport
Ulverstone
Scottsdale
Latrobe
Exeter
Devonport
St Helens
Waratah
Launceston
Sheffield
Ben Lomond
St Marys
Evandale
Rosebery
Cradle Valley
Fingal
Zeehan
Campbell Town
Bicheno
Queenstown
Lake St Clair
Swansea
Coles Bay
Strahan
Tarraleah
Oatlands
Bothwell
Tunnack
Orford
Ouse
Brighton
Mount Field
Maria Island
Strathgordon
Maydena
Hobart
Sorell
Huonville
Geeveston
Port Arthur
Dover
Cygnet
Melaleuca
Adventure Bay
1200
800
600
400
300
200
100
50
25
10
2
0
Rainfall (mm)
Issued: 24 April 2025