



Citizen Science
Community collaborations
sharing knowledge
&
monitoring the health of
the Marne and Saunders catchments

Water Watch and Waterbug Bioblitzes

Waterwatch : Water quality – salinity and turbidity (fine sediments) and flow data

Waterbug Bioblitzes: Macroinvertebrates

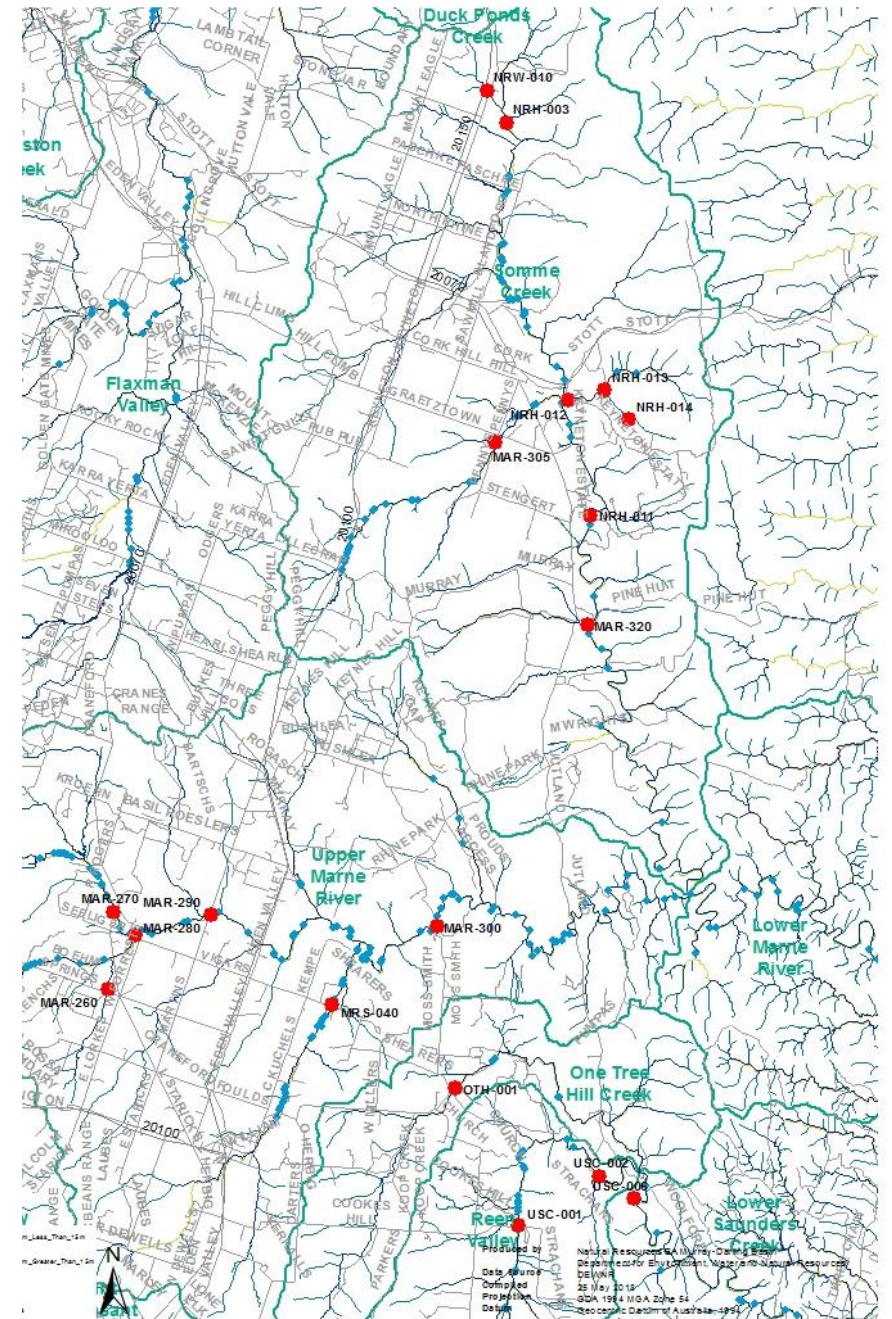
Linking with Flows for the Future program and a range of community collaborators

Always looking for more community members to join; training and equipment provided.





- Sites - Monitored since 2010 in the catchment
- Collect salinity, turbidity (fine sediments) and flow information
- Monthly from May- November
- See when and where salinities rise
- When rains come, how far the flows reach over time
- Shared on a public database
- A few volunteers have left the area recently, looking for more volunteers



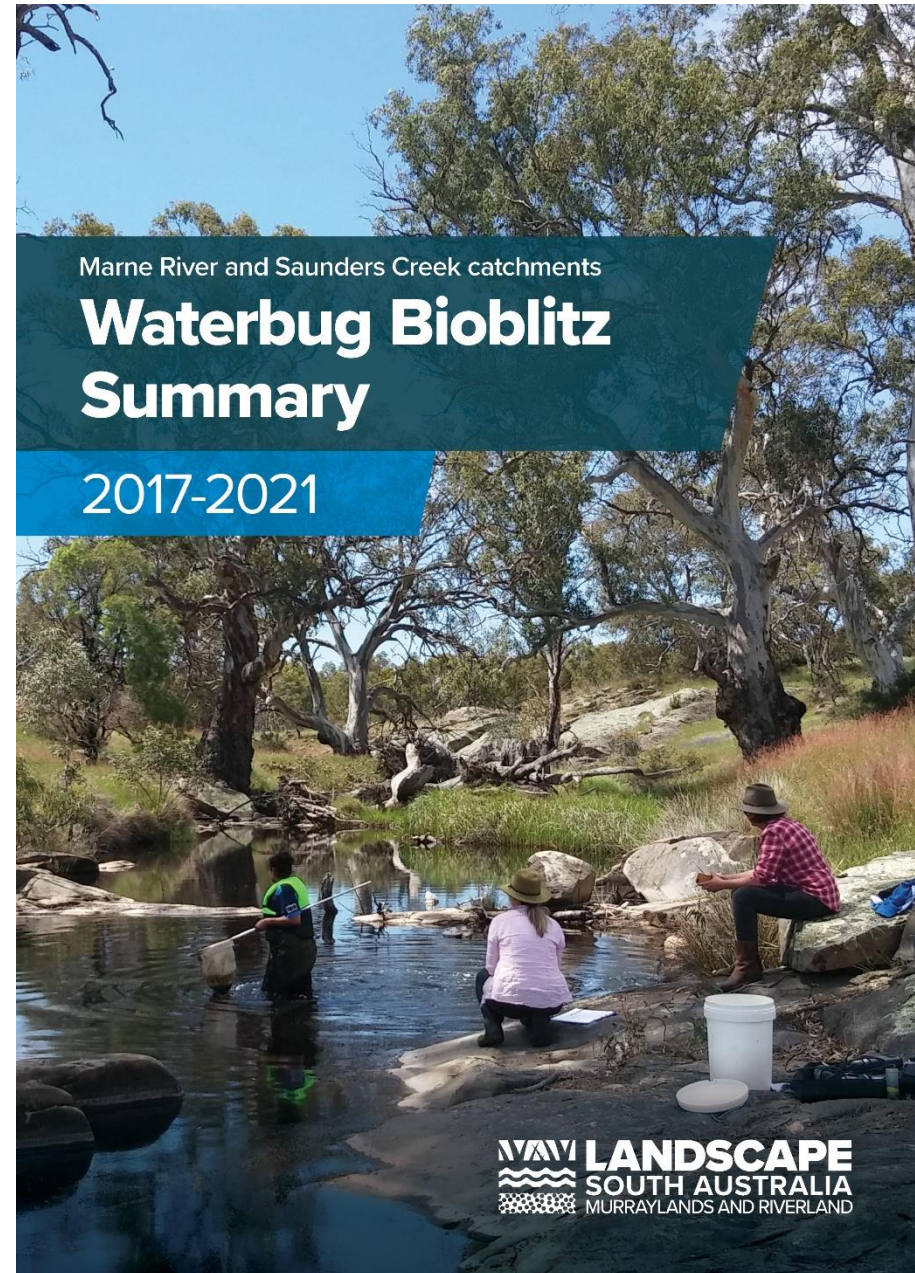
Waterbug Bioblitz

- Sites - selection of waterwatch sites and key sites relative to lowflow bypasses
- Field day in October each year
- Collect water quality data and waterbug samples
- Sort and identify waterbugs
- Results will be shared on a public database
- Partnership project
- More volunteers welcome



Waterbug bioblitzes 5 year review

- Compiling 5 years of waterbug data, starting to look at trends over time.
- Generally a series of isolated pools by October, important refuges.
- 2021 - rare Phantom Midge, one of our experts, Doug Green, had only ever seen one other in SA creeks.

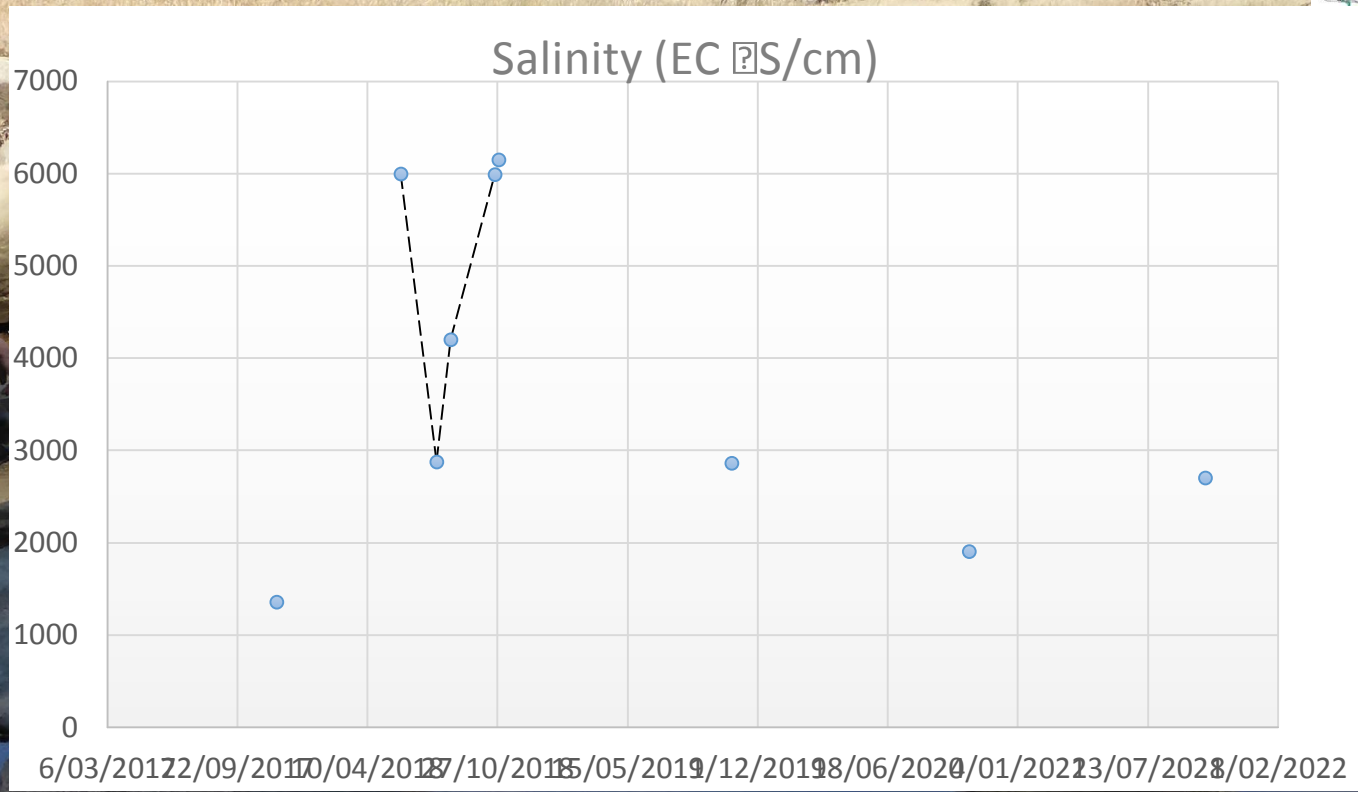
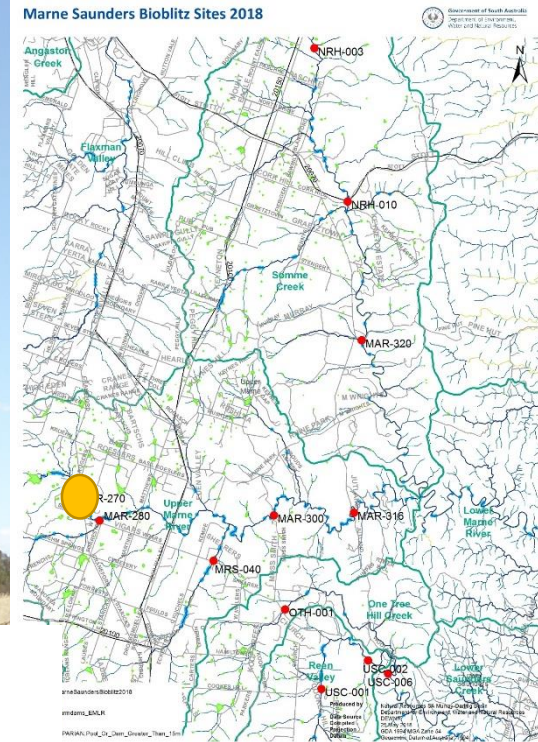


Cranford Rd MAR-270

Isolated pool October 2017-2020, Flowing in 2021 *

Pool Waterbug Diversity

2017 High
2018 Moderate
2019 Moderate
2020 Moderate
2021 Moderate*



Upper Saunders Creek USC -002/6

Isolated pool by October 2017-2021

Pool Waterbug Diversity

2017 Moderate +
2018 Moderate +
2019 Moderate
2020 Moderate +
2021 Moderate

