



Waterway health and Haldane

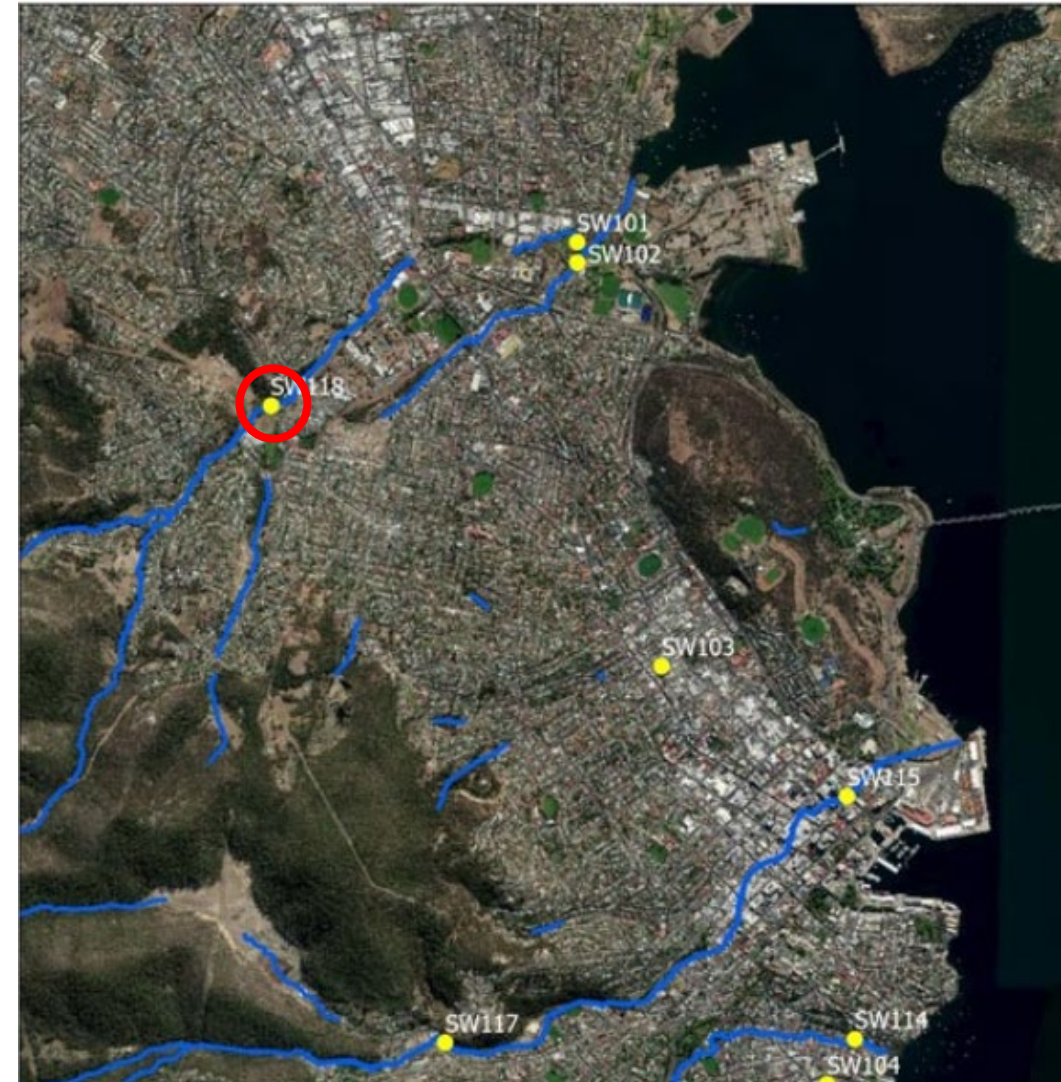
Dr Emily Flies



CoH water quality

Stormwater quality data

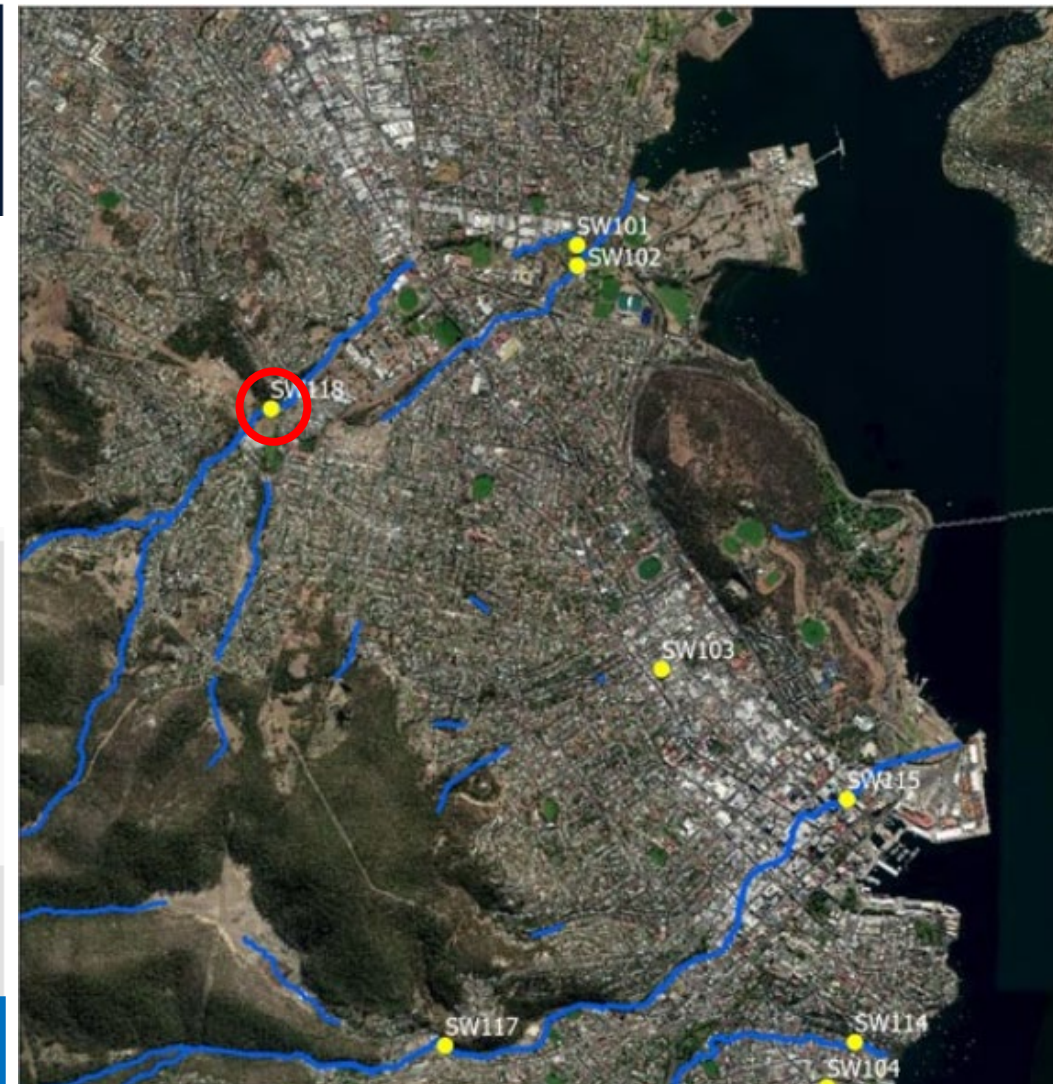
- 20 sites sampled across City's three main waterways: Hobart, New Town and Sandy Bay Rivulets
- Sampled six times a year
- Test for:
 - *bacteria* (enterococci, and E. coli), as an indicator for faecal (sewer) contamination
 - *ammonia*, as it can provide an easy and immediate indication of potential sewer contamination
- Two forms of water quality determined:
 - Recreational water quality grade for general recreation
 - *Good, Fair or Bad.*
 - Suitable for:
 - Primary contact (whole body submersion), only Secondary contact (wading, playing near), or neither.



CoH water quality

2016 - present

Site ID	Catchment / rivulet	Location & section (piped or open)	GRADE: Good, Fair or Poor	CONTACT: Primary (P), Secondary (S) or Neither (N)
SW101	New Town	OPEN - Alongside Albert Rd, near where it meets Risdon Rd	POOR	S
SW102	Maypole	OPEN - 68 Risdon Rd driveway bridge	POOR	N
SW115	Hobart Rivulet	OPEN - Adjacent to the Hospital along Collins St	POOR	N
SW116	Wellington (Sandy Bay Rivulet)	OPEN - 10 Waterworks Rd units, opposite to 38 Waterworks Rd	POOR	S
SW117	Hobart Rivulet	OPEN - Tara St, below McRobies Rd outfall	POOR	S
SW118	New Town	OPEN - John Turnbull Park, below Pottery Creek outfall	POOR	S

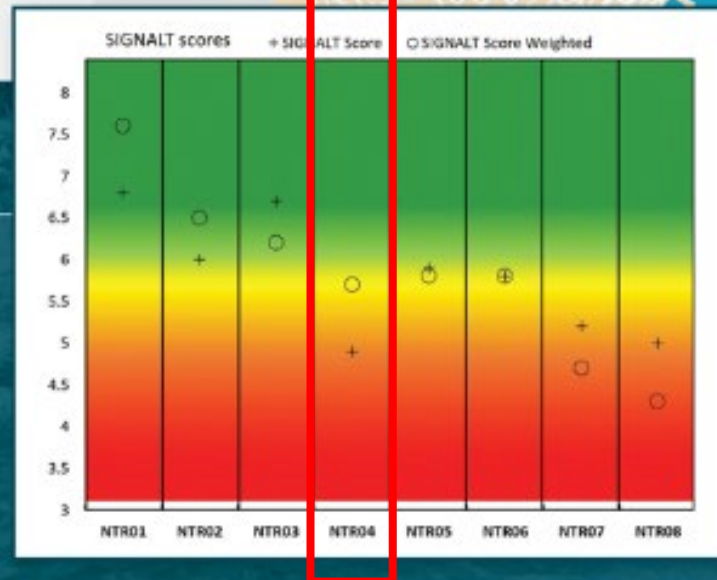
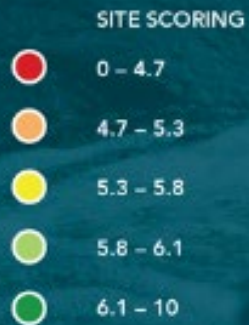


Water bug assessment

- Ecological impacts of water quality
- Longer term water quality

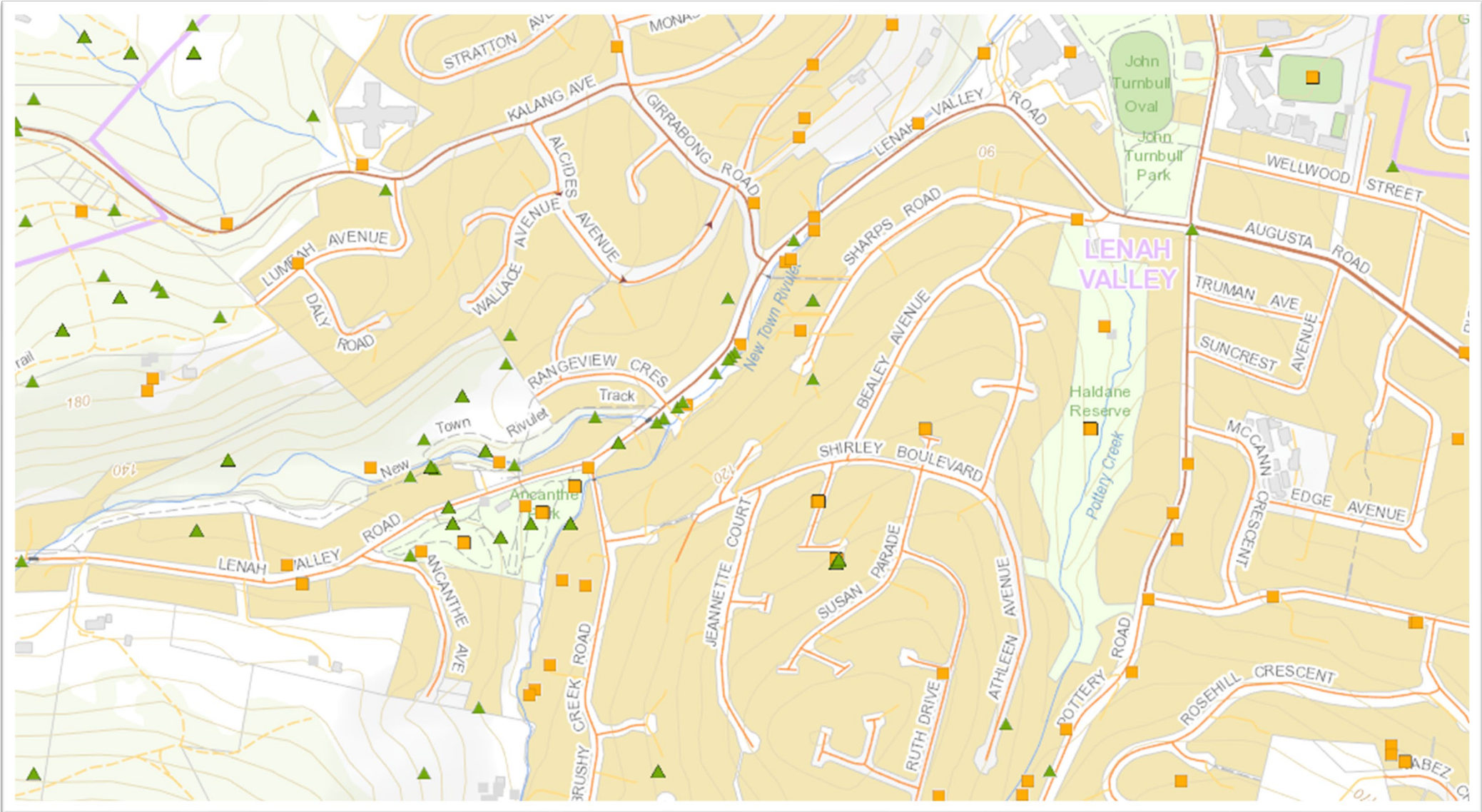


NEW TOWN RIVULET SURVEY POINTS



SIGNALT scores for sites in the New Town Rivulet. NTR01 is an upstream healthy site, site numbers increase downstream. Circles are for weighted SIGNALT scores, crosses show unweighted scores. The background colours approximate the level of impact at each site, red being heavily impacted, and green relatively natural/healthy.

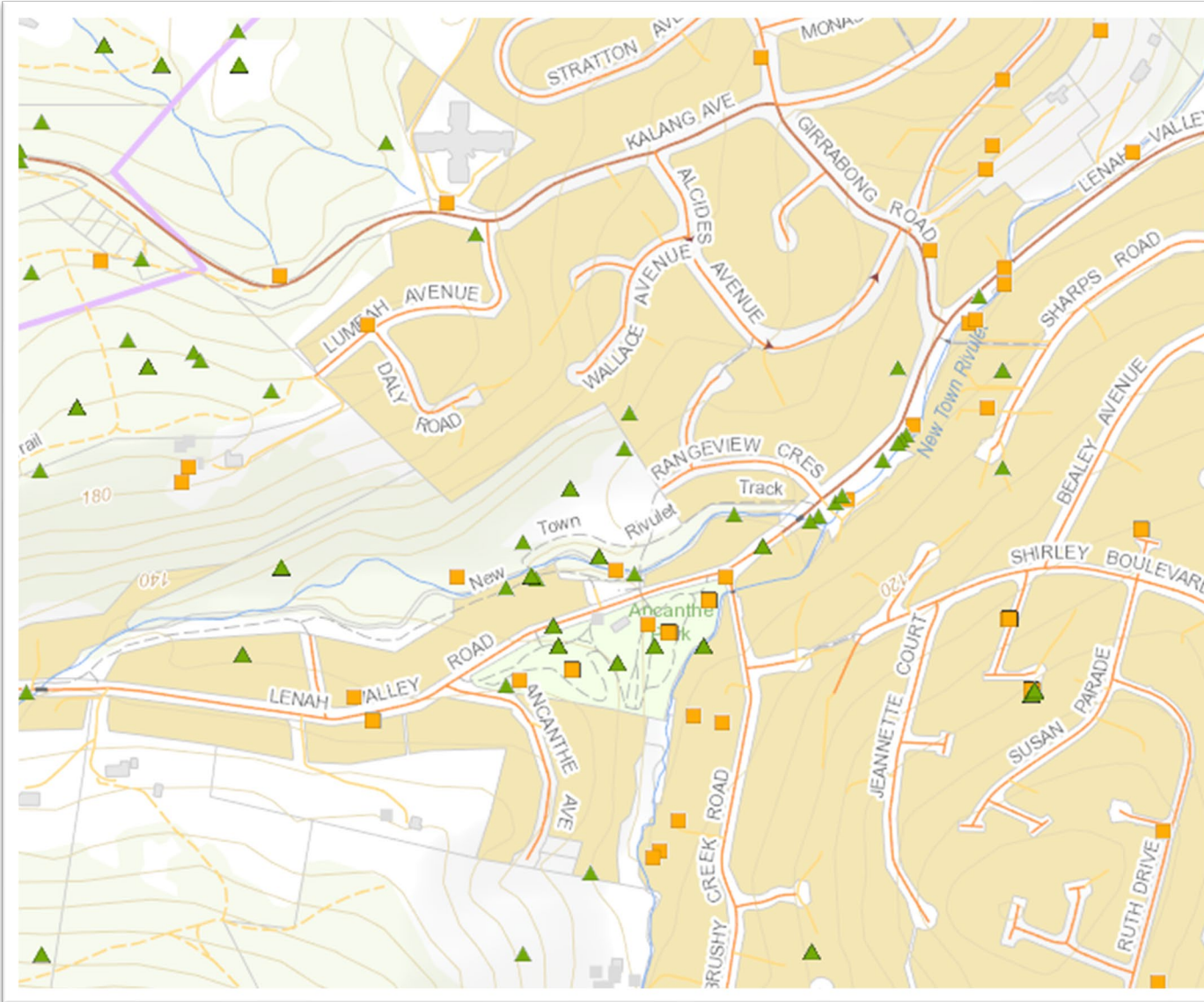
Conservation significance flora and fauna at Haldane



▲ Conservation significance flora

■ Conservation significance fauna

Conservation significance flora and

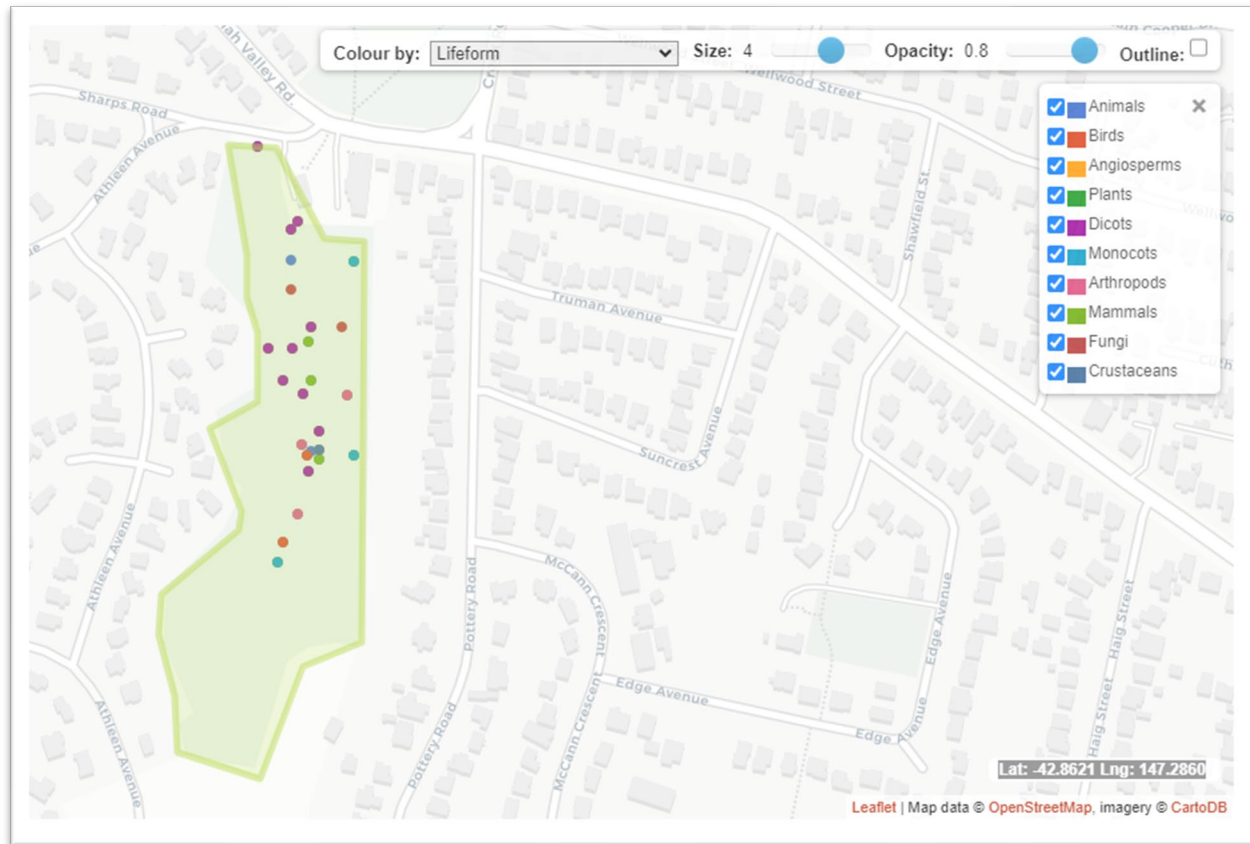


▲ Conservation significance flora

■ C



Haldane biodiversity – Atlas of Living Australia



54 species identified in Haldane (ALA)

Forest Raven	6	Dusky Robin	1
House Sparrow	5	Eastern Spinebill	1
Black Currawong	5	Sombre Scrubwren	1
Eurasian Blackbird	5	Crescent Honeyeater	1
Silvereye	5	Grey Butcherbird	1
Kookaburra	4	Grey Shrike-thrush	1
Sulphur-crested Cockatoo	4	Grey Currawong	1
Green Rosella	4	Grey Fantail	1
Yellow-throated Honeyeater	3	Musk Lorikeet	1
Yellow Wattlebird	3	Red-necked Wallaby	2
Little Wattlebird	3	Common Ringtail Possum	1
Superb Fairy-wren	3	Large-leaf Bitter-pea	2
New Holland Honeyeater	3	Three-cornered Garlic	1
Common Starling	3	Dark Caladenia	1
Kelp Gull	2	Hooded Caladenia	1
Masked Plover	2	Parson's Bands	1
Strong-billed Honeyeater	2	Brown Beaks	1
Australian Magpie	2	Peach Heath	1
Ewing's Thornbill	2	Love Creeper	1
Grey-headed Goshawk	1	Spreading Wattle	1
White-bellied Sea-eagle	1	French Lavender	1
Silver Gull	1	Alstroemeria	1
Brush Bronzewing	1	Nonokia	1
Spotted Turtle-dove	1	Pride Of Madeira	1
Narkie	1		
Goldfinch	1		

STATE OF OUR RIVULETS

A REPORT INTO THE ENVIRONMENTAL HEALTH OF HOBART'S WATERWAYS

How to improve water quality

- Tend to gardens: use a catcher on your mower, cover/secure dirt and mulch piles, compost, fertilizer
- Use tanks to collect rainwater.
- Properly dispose of: waste, household chemicals, litter, paints and oils
- Wash cars in designated car cleaning facility or on your lawn.
- Check your car regularly for oil leaks.
- Check out the Derwent Estuary Programs (DEP) information clips on keeping our stormwater system and the Derwent clean
- Always pick up after your dog and keep them on lead in prescribed areas near waterways.
- Avoid walking far down onto banks, removing vegetation or disturbing the riparian zone.
- Learn about your rivulet, reserves and history: report, citizen science (Water Bug Blitz), iNaturalist, and engage with local Aboriginal knowledge and culture
- Take action: join local community groups (e.g. Bushcare), or take part in registered group activities (e.g. This one!)

