





Sector	2012-2013	2013-2014	2014-2015	2015-2016	2016-17	2017-18	Comment (2017-2018)
North	A	A	A	A	A	A	Overall water quality within the North Zone increased to an A compared to data collected in 2016 – 2017 due to very good turbidity and chlorophyll-a readings for the area. The seagrass depth range was again very good, and as a result, contributed to the continuing overall ecological health grade of very good for the North Zone of the lake
South-west	A	B	A	B	B	A	The overall water quality grade of the South West Zone increased from the previous year's monitoring due to an improvement in chlorophyll-a readings for the area. No trigger exceedances were observed for either turbidity or chlorophyll-a during the current sampling period. Seagrass depth range continued to be only fair, however, the overall ecological health grade for the South West Zone was considered very good due to the improvement in overall water quality compared to the previous year's sampling
South-east	A	A	A	A	A	A	No trigger exceedances in either turbidity or chlorophyll-a were observed in 2017 – 2018, which again resulted in the overall water quality grade being considered very good for the South East Zone. The overall ecological health grade of this part of the lake was also considered very good due to the very good water quality and seagrass depth range grades for the area.
Swansea Channel	A	B	A	A	A	A	Despite a number of small intermittent spikes in chlorophyll-a readings within Swansea Channel (appears to be fairly typical of this location) throughout the current sampling period, the overall water quality grade within the channel was again considered very good.
Fennell Bay	B	D	C	C	B	A	Overall water quality within Fennell Bay was considered very good, with only a number of minor trigger exceedances for turbidity throughout the sampling period. Seagrass depth range was again only fair, however, did increase slightly from the previous year's sampling and continues to improve between each sampling period. The overall ecological health within Fennell Bay was considered very good for 2017 – 2018.
Cockle Creek Estuary	B	C	C	B	B	B	Overall ecological health of Cockle Creek remained stable compared with previous monitoring and was considered in good condition. There was an improvement in chlorophyll-a for the creek, although trigger exceedances were common. Turbidity levels within the creek were again variable throughout the monitoring program
Dora Creek Estuary	B	C	C	B	B	A	The water quality within Dora Creek improved from the previous year's monitoring, with no trigger exceedances for either turbidity or chlorophyll-a during the 2017 - 2018 sampling period. In addition, both indicators remained relatively stable throughout the year. Overall, the water quality within the creek was considered very good.

Opportunities for community participation

Waterwatch

Monthly water quality testing for ecosystem health
www.nswwaterwatch.org.au



Eco Angel clean ups

Litter clean up and audit
www.lakemac.com.au/eco-angel

Council contact Margo Smith



Landcare

Bush regeneration and caring for our catchments
www.lakemacquarielandcare.org

sustainableneighbourhoods.org.au

