

Coorong Resilience – Outline of experimental treatment and initial patterns

Samples of surface sediment were collected on the 1&2/04/2014 from 6 sites along the Coorong (Lake Cantara, TTX, Policeman's Point, VDY, Magrath Flat and Noonamena).

The top 3-4cm of sediment was taken from 3 locations at each site, 5-10m from the shoreline, midway between the shoreline and permanent water and permanent water.

150g of sediment was placed into 270 1lt plastic containers (6 replicates per treatment at each of the 3 locations for each site). NOTE: At Lake Cantara no sediment was taken from permanent water (no water in the lake when the samples were taken), and at Noonamena where high water levels prevented sampling from permanent water or the midway location.

Sediment samples were stored indoors until being placed into plastic containers on benches in the Benham glasshouse. On the 25/06/2014 samples of sediment were re-wetted with water containing 30, 60 or 90g/L of sea salt (instant Ocean).

Once re-wetted, samples were monitored daily for any evidence of hatching or germination.

On the 4/07/2014 (9 days post wetting) there was evidence of some germination of plants at some sites, possibly *Ruppia* but too small to determine. The sites where germination was observed were Lake Cantara (30g/L), Policeman's Pt (30 & 60g/L), VDY (30 & 60g/L) and Magrath Flat (30 & 60g/L). The majority of the plants appear to be *Ruppia*.

On the 25/07/2014 (30 days post wetting) *Parartemia* sp. were observed in samples from Policeman's Pt (30 & 60g/L), TTX (30 & 60g/L) and Magrath Flat (60g/L).

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