



## Appendix D

E012 – Sand Management Action  
Details

## Management Action E012 – Sand Management Action

### Birubi Point Activities (Figure D-1)

1. Removal of accreted sand from the car park, usually four times a year. The cost of removal of accreted sand under Items 1 and 2 is estimated at around \$5,000 each time.
2. Removal of accreted sand from around the SLSC, usually four times a year.
3. Management of sand accreted in drainage channel and beach scraping around the boat ramp. The works are usually undertaken twice a year (at an estimated cost of \$3,000 each time) after a big swell or coastal storm event where debris and sand accumulate in the playground and at the boat ramp. Clearing of the stormwater outlet/channel is undertaken to ensure Robinson Reserve can drain freely. Sand is pushed onto the adjacent beach.



Figure D-1 – Birubi Point Sand Management Activities

Boat Harbour Activity (Figure D-2)

1. Stormwater causes beach erosion at the toe of the boat ramp. Beach scraping is undertaken to address this issue around twice each year at a cost of around \$3,000 each time.



Figure D-2 – Boat Harbour Sand Management Activity

One Mile Beach Activities (Figure D-3)

1. Beach scraping to address erosion at the base of stairs/accessways at a cost of around \$3,000 each time.
2. Beach scraping to reprofile where sand erodes at the location where the SLSC brings their equipment (e.g., ATVs) down to the beach. This is estimated to cost around \$30,000 and be undertaken twice a year.
3. Removal of accreted sand from around the SLSC, usually twice a year at a cost of around \$3,000.



**Figure D-3 – One Mile Beach Sand Management Activities**

Fingal Bay Beach Activities (Figure D-4)

1. Beach scraping is undertaken six times a year to address erosion at the base of each of the seven beach accessways at a cost of around \$3,000 each time.
2. Beach scraping to reprofile where erosion occurs near the stormwater outlet near Boulder Bay Road, impacting access via the boat ramp at a cost of around \$3,000 each time. Undertaken concurrent with beach scraping at the accessways.
3. Beach scraping near the SLSC where sand accumulates near the roller doors and makes access difficult. Undertaken roughly twice a year at an estimated cost of \$3,000.



Figure D-4 – Fingal Bay Sand Management Activities

Little Beach (Figure D-5)

1. Dredging of sand from below MHWL around the boat ramp, as provided for under Action RA045. Typical volumes of 80-100 m<sup>3</sup> are dredged, and the sand is placed downdrift of the boat ramp, or if it is not required in this location, placed on Nelson Bay Beach adjacent to the splash park where erosion occurs.



**Figure D-5 – Little Beach Dredging / Sand Source**

Nelson Bay Activities (Figure D-6)

1. Placement location for sand dredged from the Little Beach boat ramp or Nelson Bay Marina under Action RA045.



**Figure D-6 – Nelson Bay Sand Management Activities**

Lemon Tree Passage Activity (Figure D-7)

1. Sand accrues in the park next to the swimming enclosure and on the shared user path. The accumulation of sand can clog the irrigation system. This activity involves the removal of accumulated sand and is undertaken roughly every five years at a cost of around \$5,000 each time.



**Figure D-7 – Lemon Tree Passage, Sand Accretion**

Tanilba Bay Sailing Club Activity (Figure D-8)

1. Minor nourishment (around 3 m<sup>3</sup>) is undertaken near the Sailing Club every two years to address erosion and improve access. The sand is sourced from a commercial provider and placed at the site at a cost of around \$100 each time.



**Figure D-8 – Tanilba, Minor Nourishment**