

Key

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Wave driven sand nourishment

The littoral transport system - is the hydrodynamic system from waves and currents that results in the transport of sediments or sand.

Dredge vessel moorings

We may set up barge moorings in two locations to assist the dredge vessel.

Mooring location

Monitoring stations

Monitoring stations will be installed underwater during our dredging work to give us detailed information that will help us continue to improve our dredging operations. The stations measure turbidity and velocity.

Sand placement area

Placing the dredge sand off shore will use the natural power of the waves and currents providing some beach nourishment to the northern beaches. It is the preferred method because:

- ✓ it has low environmental impact
- ✓ extensive scientific modelling supports this method
- ✓ it is cost effective
- ✓ it results in a more efficient project timeline.

Dredging area

Our proposed dredging operations will remove up to 30,000 cubic metres of sand with the aim of providing a channel about 40m wide and minimum depth of -2.6 LAT at the bar.

