

Stockton Sand Nourishment – Information Sheet

The NSW Government and City of Newcastle are working to restore sand to Stockton Beach and revitalise this much-loved stretch of coastline for the Stockton community.

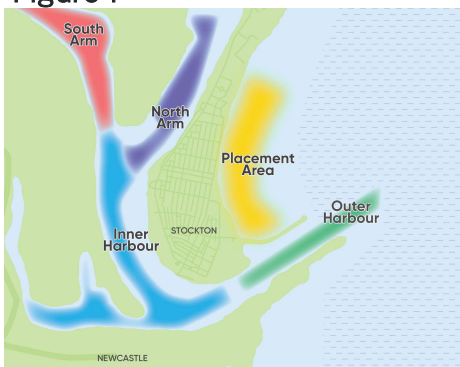
The Federal government and the City of Newcastle have provided funding under the Coastal and Estuarine Risk Mitigation Program (CERMP) for the Stockton Beach Sand Renourishment. Phase 1 includes an amenity sand renourishment of Stockton Beach.

Description of the Works

The amenity sand renourishment is a key first step in addressing the significant coastal erosion at Stockton and will strategically place 100,000 cubic metres of sand in the surf zone at the southern end of Stockton Beach. This will provide some amenity improvement and provide protection against further erosion, while the investigations and planning for long term, mass sand renourishment is undertaken.

The amenity sand renourishment activity will take sand from the outer channel of Newcastle Harbour, within the existing Port of Newcastle lease area and place the sand into near shore at Stockton Beach (**Figure 1**).

Figure 1



When will the works be undertaken?

It is expected the works will commence after the October long weekend. Dredging operations are highly weather dependent. The commencement, duration and completion of the works may be impacted by prevailing weather conditions.

How is the sand placed?

The vessel Trud R (**Figure 2**) has been commissioned to undertake the works. It is a trailing suction hopper dredge which has an

articulated dredging pipe, known as a “drag arm”, which extends to the seabed. At the end of the drag arm, a drag head is attached. Trailers move at low speeds suctioning up the seabed material through the drag head and pipe to the hopper.

Placement of sand will occur by rainbowing, involving a sand slurry being jetted from the bow (front) of the vessel, positioned in pre-determined locations.

Figure 2

Trud R – Specifications

Gross tonnage	1,414GT
Length	75.49m
Breadth	12.8m
Hopper capacity	1,570m ³
Draught loaded	3.8m
Draught unloaded	2.00m
Dredging depth	28/40m



Depending on the weather conditions, shipping movements within Newcastle Harbour and other operational constraints, there may be up to 10 cycles per day.

Impact of the Works

Access around dredging vessel

Access will be restricted to the area of operations. This will be an exclusion zone of 200m around the vessel and rainbow plume and at times may include the beach front.

Will the works be noisy?

Operations will occur 24hrs a day, 7 days a week. Noise is not expected to be significant. At the placement area, nearby residents may experience intermittent noise for up to an hour, that typically sounds like heavy surf, as the sand plume is hitting the water.

Will there be any other impacts?

The criteria for the quality of the sand that can be placed on the beach is pre-determined and tested. However, there may be minor odour emissions from dredged sands from decomposing organic material.

More Information

Email: publicworks@pwa.nsw.gov.au

Phone: 1300 00 88 88