

TWEED SAND BYPASSING

Advisory Committee Meeting 13th November 2019

Summary of Discussions – Key Issues & Sand Movements

Welcomes / Apologies – It was noted that the last ACC was held on 21 August 2019. Meeting commenced at 5pm. Apologies were received from some Advisory Committee Members.

Beach and Entrance Condition reports - Reports were received from various lifeguards, surf clubs, boardrider clubs and entrance users. In addition AC attendees provided the following comments;

- Fingal community members have been in discussion with Tweed Shire Council regarding coastal processes investigations to be considered in the development of the local Coastal Management Program
- Fingal beach width is currently in a narrow state. It is acknowledged that it has varied over previous months. There is community desire for a wider beach, especially in front of the SLSC at Fingal.
- Tweed River entrance has a defined channel.
- Duranbah nourishment campaign volumes and distribution of sand was good
- There has been some feedback regarding a wide beach at Rainbow Bay. Acknowledged that sand appears to have recently begun moving out of Rainbow Bay through to Greenmount.

Sand Placement / Pumping – Approximately 333,970 m³ of sand was pumped during the period January 2019 to end October 2019. Entrance dredging was completed in July and August 2019 removing 151,360 m³ which was placed in Duranbah, Snapper Rocks East, Fingal and Tugun/Bilinga placement areas. Duranbah Campaign was successfully completed between 14 October and 28 October 2019. A volume of 15,211 m³ was placed strategically in three (3) defined upper beach locations at Duranbah.

Wave Conditions – Wave conditions were presented and it was noted that generally calm conditions have occurred between May 2019 and October 2019 with the exception of a large easterly groundswell event in July 2019.

Beach Conditions – Post dredge survey data was shown for the Fingal, Duranbah/Snapper and Tugun/Bilinga placement areas. Fingal aerials (April 2019, June 2019 and October 2019) showed the changes in beach width at the southern corner over the past 6 months with slight recovery between June and October. Duranbah aerials (January 2019, April 2019, June 2019 and October 2019) showed the change in beach width in part due to recent dredging of the entrance bar. Snapper Rocks / Rainbow bay for the same period showed an increase in sand volumes throughout the embayment. It was noted that behind Snapper Rocks has recently deepened. Greenmount and Coolangatta beach rotation is evident from the aerial imagery and supported by beach width data. A small lagoon has formed in front of Kirra SLSC, surfing bank appears to have dissipated further under recent mild conditions.

Surf Amenity - It was noted that some sand loss has occurred behind the rock at Snapper, however good sand banks exist from Marley through to Greenmount. Duranbah has had good quality banks particularly next to the training wall and in the central portion of the beach.

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Entrance Conditions and Usage - Entrance survey of 23 October 2019 shows a clear navigational channel. Entrance usage (via VMR records) has shown the number of entrance crossings to be above the pre TRESBP totals.

TSB Projects – Updates were provided on the following projects;

- REF backpass by dredge – approved. Fingal utilised in August 2019.
- TSB Transition – Phase 1 investigations;
 - Asset / Infrastructure – works mostly complete
 - Financial –works underway
 - Operations –works underway
 - Assessment against objectives –works underway
 - Social Economic Impact –works underway
 - Stakeholder Engagement –works underway, community members of the AC to participate in an interview
 - Environmental Review –works underway
 - Governance and Contract Framework – scope completed and soon to be taken to market for pricing
 - Phase 1 summary and Phase 2 (options) – draft scope completed, currently being reviewed
- Duranbah northern access pit – a new pit over the existing pipeline in the central part of Duranbah. Will improve system flexibility and reduce amount of temporary pipe when nourishing central and northern part of beach. Due to commence in December
- Kirra boardwalk renewal – Working with City of Gold Coast to incorporate an allowance in the structure for a future pipeline. Works underway.
- New hydrographic survey contract for 3 years. Due for market release mid November 2019

Communications – Communications have been progressing well with numerous updates to the website and App.