

TWEED SAND BYPASSING

Advisory Committee Meeting 11 November 2020

Summary of Discussions – Key Issues & Sand Movements

Welcomes / Apologies – Meeting commenced with acknowledgement of the traditional owners. Apologies received from 2 members.

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

- Duranbah & Kirra have had consistently good surf
- Fingal surf and beach conditions are good
- Best surf at Kirra for a long time

Sand Placement / Pumping – Approximately 368,660 m³ of sand was pumped during the period January 2020 to end October 2020. A Duranbah placement was completed in October 2020. A volume of 12,857m³ was placed strategically in three (3) defined upper beach locations at Duranbah. Duranbah placement continuing into November 2020.

Wave Conditions – Wave data was presented and it was noted that for period May to October 2020 swell was under 3m. Swell direction from June until November 2020 was compared with the same period in 2019. Comparison showed more swell from the east and north east in 2020 when compared to 2019.

Beach Conditions – Volume analysis was presented for different monitoring compartments from Fingal through to Currumbin.

Fingal and Letitia aerials (March 2020, June 2020 and October 2020) showed stable conditions since March 2020. Duranbah aerials (January 2020, March 2020, June 2020 and October 2020) indicated a varying beach width due to placement activities and erosion from persistent medium wave conditions. Snapper Rocks / Rainbow bay (March 2020, June 2020 and October 2020) showed a decrease in beach width throughout Snapper Rocks and Rainbow Bay for October 2020. The seasonal trend of beach width variation was described. Greenmount and Coolangatta have been stable with increased beach width at Greenmount. Miles St groyne at Kirra remains exposed with a healthy beach in front of the Surf Club.

Surf Amenity - It was noted that Duranbah and Snapper Rocks have had high quality surfing banks. Kirra has remained good for longboarding and beginners on small swells.

Entrance Conditions and Usage – The entrance survey of 22 October 2020 showed a clear navigational channel. Entrance maps since February 2020 showed the formation of a shoal across the entrance and subsequent removal via the dredging activity that took place in August 2020. Entrance usage (via VMR records) has shown the number of entrance crossings to be above the pre TRESBP totals.

TWEED SAND BYPASSING

TSB Projects – Updates were provided on the following projects;

- TSB Transition – Phase 1 investigations are complete, Phase 2 underway, some delays with consultant however on track for successful completion early 2021.
- Kirra Reef Monitoring - complete.
- Duranbah Access Pit – complete except for lid fabrication.
- LTA report - complete.
- Asset valuation – scope under development
- Raw water intake station – scope under development
- Letitia Coastal Processes Study – coordination with Tweed Shire Council.

Communications – Communications have been progressing well with numerous updates to the website and App. Instagram used successfully during Duranbah nourishment and access pit construction.