

TWEED SAND BYPASSING

Advisory Committee Meeting 15th May 2019

Summary of Discussions – Key Issues & Sand Movements

Welcomes / Apologies – It was noted that the last ACC was held on 13 February 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;

- Duranbah surf quality recovery has been good following cyclone Oma. Snapper Rocks along with all other Gold Coast point breaks have suffered in terms of bank quality. Quicksilver Pro held at Duranbah with generally good quality beach breaks.
- Some recovery of Snapper has occurred however the bank has little resilience to larger swell events.
- Entrance generally OK. Observed as being deeper upstream.

Sand Placement / Pumping – Approximately 138,115 m³ of sand was pumped during the period January 2019 to end April 2019. The January and March monthly volumes were less than the previous 5 year average and February and April were above the 5 year average.

Wave Conditions – Wave conditions were presented and it was noted that generally calm to moderate conditions have occurred between October 2018 and April 2019 with the exception of a large swell event in October 2018 and cyclone Oma in mid February 2019. Wave direction was also noted as being further from the east than the same period in 2017/2018.

Beach Conditions – Fingal aerials (October 2018, January 2019 and April 2019) indicated further recovery of the southern corner of Fingal. Duranbah aerials (July 2018, October 2018, January 2019 and April 2019) showed the maintenance of reasonable beach width as well as some shoreline rotation in April 2019. Snapper Rocks / Rainbow bay for the same period showed erosion due to cyclone Oma with reasonable beach width maintained at Rainbow Bay. Greenmount aerials indicated relatively stable and uniform beach width. Kirra suffered erosion in the southern corner due to cyclone Oma and Miles St groyne continues to be exposed.

Surf Amenity - It was noted that Snapper suffered a significant loss of sand during cyclone Oma but is now showing signs of recovery. Duranbah has had good quality banks. During cyclone Oma, Kirra produced excellent quality waves.

Entrance Conditions and Usage - Entrance survey of 9 April 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 – Nearing completion with final documentation being prepared for approval.

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- STIS003 – Sand trapping and energy efficiency study has been completed.
- Entrance Management - Governments and TRESB Co progressing with improvements to the current dredging arrangement. Dredging tentatively planned for July/August 2019.
- TRESBP Transition Project - Contract between Governments and TRESB Co expires in 2024. Transition project will consist of numerous investigations which will commence over the coming months.
- Kirra Pipeline Investigation – TSB are working with City of Gold Coast to make allowance in the boardwalk replacement project to accommodate a possible future sand bypass pipeline extension.
- Duranbah Northern Access Pit – A new access pit is being designed for central Duranbah. The pit will improve system flexibility and allow nourishment in the northern corner of Duranbah.

Communications – Communications have been progressing well with numerous updates to the website and App. It was reported that an updated schools package will commence over the coming months and a review of the communications strategy will occur in the new financial year.