

# TWEED SAND BYPASSING

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## Advisory Committee Meeting

30<sup>th</sup> October 2018

### Summary of Discussions – Key Issues & Sand Movements

**Terms of Reference and appointments**– Revised terms of reference were adopted and it was advised that the following members of the AC were appointed / reappointed for a three (3) year term. John Pile (reappointed), Larry Woodland (reappointed), Adrian Barwick (appointed) and Glenn Bunny (appointed).

#### AC member comments on beach and entrance conditions;

**NSW Community Representative (John Pile)** – entrance conditions are favourable and the best that can be recalled in the last eight (8) years or so.

**Qld Community Representative (Wayne Bartholomew)** – Lots of sand at Rainbow, sand has moved west of snapper as a result of the last swell in October. Sand from Rainbow and Greenmount is approaching Kirra. Froggies beach appears deep. Notable lack of northerly winds for spring.

**NSW Community Representative (Larry Woodland)** – Fingal community are passionate about the beaches of Fingal and Letitia. Current concerns regarding the southern corner of Letitia (on the northern side of Fingal headlead). Beach monitoring information is required.

**Tweed Shire Council (Jane Lofthouse)** – Mooball creek was recently occluded. Tweed Shire Council staff have broken through. Indicative of the amount of sand further south.

**Qld Community Representative (Peter Turner)** – Kingscliff has a very wide beach. Fingal is eroded in the southern corner. Duranbah beach has suffered some erosion. Snapper is deep and Kirra appears to be realigning with the change in shoreline position.

**Qld Government (Robert Schwartz)** – In light of new appointments to the AC, the issue of gender equality on boards in Queensland was noted.

**NSW Government (Kim Bowra proxy Glenn Bunny)** – Noted completion of CY17 at the end of September 2018.

**Sand Placement / Pumping** – Approximately 272,230 m<sup>3</sup> of sand was pumped to Snapper Rocks East during the period January 2018 to end September 2018. October pumping volume predicted to be above 35,000m<sup>3</sup>. Calm conditions (with the exception of the swell event in October) have generally resulted in lower pumping volumes. This was illustrated via comparison of 2018 volumes vs average monthly volumes (between 2013-2017). It was noted the last dredge campaign concluded in August 2017 and that no further dredging works have taken place since. A Duranbah campaign is planned for November 2018.

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**Wave Conditions** – Wave conditions were presented and it was noted that generally calmer conditions have occurred between August and October 2018. Only one event occurred during this period in October with a significant wave height exceeding 3m.

**Entrance Conditions and Usage** - Entrance survey of 9 October 2018 currently shows a clear navigational channel. Entrance usage (via VMR records) has shown the number of entrance crossings to be consistent with the 12 month average.

**Beach Conditions** – Fingal aerials (March 2018, July 2018 and October 2018) indicated beach recession in the southern corner but with generally stable beach from the surf club north to Letitia spit. Duranbah aerials (January 2018, March 2018, July 2018 and October 2018) showed the maintenance of reasonable and uniform beach width. Rainbow bay for the same period showed beach building and the formation and shrinkage of an inshore lagoon at Rainbow Bay. Greenmount showed stable beach width. Kirra beach has undergone some recession in the southern corner with continued exposure of the Miles St groyne.

**Surf Amenity** - Although not many large swell events have occurred, surf quality has generally been good.

**Communications** – Communications have been progressing well with continued use of the Tweed Sand Bypassing Instagram page and the Tweed Sand Bypassing App. New noticeboards have been installed at both Point Danger and Kennedy Drive boat ramp. New signage is being created for the Kirra surf club and Duranbah signboards.

**TSB Projects** – Updates were provided on the following projects;

- REF backpass by dredge – Nearing completion with DOI addressing comments from OEH to then finalise and issue to all other authorities concerned.
- STIS003 – Sand trapping and energy efficiency study progressing well. Draft report received from consultant. Draft report is currently with Governments for review.
- Entrance Management - Governments and TRESBCo discussing options to improve current dredging arrangement.
- TRESBP Transition Project - Contract between Governments and TRESBCo expires in 2024. Transition project will consist of 4 phases including Review and assessment of current and past operations, New system options identification and evaluation, Preparation for implementation, Implementation. Phase 1 underway with multiple investigations relating to governance, risk, cost, economics (cost and benefit), operations and infrastructure.
- Kirra Pipeline Investigation - revision of a 2002 report. Possible opportunity to make allowance for future pipeline in Council's boardwalk upgrade / renewal project.
- Duranbah northern access pit – Investigation into the possibility of an access pit over the existing permanent pipeline which discharges to Snapper Rocks East. May improve system flexibility and allow nourishment in the northern corner of Duranbah.