

# TWEED SAND BYPASSING

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## Advisory Committee and Community Meeting

1<sup>st</sup> August 2018

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

**Community Beach and Entrance Reports** – Reports received as follows;

**Rainbow Bay SLSC** - Over the last 6 months, a large amount of sand has built up around Snapper Rocks, Little Mali and Rainbow Bay. The issue to consider is that Rainbow Bay is no longer a bay. In its current state, it does not provide safety and protection for swimmers.

**North Kirra SLSC** - Conditions generally good. No notable change in beach conditions.

**Bilinga SLSC** - Beach conditions have been relatively stable with good beach access. Some sand loss over the Summer but it has now returned.

**Tugun SLSC** - The condition of Tugun beach over the last six months has been good. During summer there were a few topographic rips, but the beach has been largely left in a good condition with plenty of sand.

**Dbah Boardriders** - Conditions have been generally good.

**Volunteer Marine Rescue** - No reports of any major incidents. Lots of crossings. Generally calmer conditions resulting in favourable entrance conditions.

**Tourism (Ocean dive)** - Over the last six months the weather has been quiet good with mainly minimal swell. Unfortunately when we do get some swell we have still been cancelling trips due to it being unsafe to cross the bar due to there being no straight channel especially on the runout tide with swell height anything over 1.4 m on the average on the wave rider.

**Sand Placement / Pumping** – Approximately 213,310 m<sup>3</sup> of sand was pumped to Snapper Rocks East during the period January 2018 to end July 2018. Calm conditions 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. It was also noted the last Duranbah campaign was completed in July 2017. Information requested from community regarding infill rates from dredge areas, this will be provided at the next meeting.

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

**Entrance Conditions and Usage** - Entrance survey of 13 July 2018 currently shows a clear navigational channel. A small shoal has developed off the end of the southern training wall. Entrance usage (via VMR records) has shown the number of entrance crossings to be consistent with the 12 month average.

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**Beach Conditions** - Duranbah aerials (October 2017, January 2018, March 2018 and July 2018) showed the maintenance of reasonable and uniform beach width and the migration of a rip cell from the center of the beach to the north. Rainbow bay for the same period showed the formation of an inshore lagoon at Rainbow Bay. Greenmount showed a reduction in beach width, however still with reasonable amenity. Kirra beach has maintained a good beach width across this period. Information requested from community regarding monitoring of beach conditions at Fingal. Aerial photography of Fingal and a summary of beach conditions will be presented at the next meeting.

**Surf Amenity** - Although not many large swell events have occurred, surf quality has generally been good with consistent swell between 1 and 2m and favourable conditions.

**Communications** – Communications have been progressing well with good traffic continuing to be experienced on the Tweed Sand Bypassing Instagram page and users of the Tweed Sand Bypassing App. The project had a presence at the 2018 Quiksilver Pro Gold Coast with a number of Sand magazines and A5 flyers distributed to the public. A video was posted on Stab Magazine’s website featuring the TRESBCo Operations Manager and vision of the sand pumping facility.

**TSB Projects** – Backpass by dredge deposition areas are continuing to be progressed, with Review of Environmental Factors currently being assessed by relevant regulatory authorities. Sediment Transport Information System (STIS) projects are actively continuing, with STIS002 being a tool to be used by governments when planning dredging and nourishment campaigns. An update on STIS002 (an investigation into trapping and energy efficiency) was also provided.