

Tweed River Entrance Sand Bypassing Project

Advisory Committee Meeting

28th July 2015

Sand Placement – Final sand placement was pumped onto Duranbah on 20th July bring the total sand placement to approximately 26,700m³. The next planned Duranbah placement is scheduled for October 2015.

Ministerial Feasibility Study – A risk assessment is complete and a cost/benefit analysis is underway for the investigation of backpassing. The 2A/2B dredge placement areas are still being investigated with a number of options to be considered.

Tweed River Entrance Conditions – Sediments are being reworked in the entrance creating unusual entrance conditions. The entrance is compliant and an unusual year of waves, flooding and south-east low conditions has made it dynamic. Separately the NSW DPI dredging campaigns has started at Terranora.

Environmental Monitoring Overview – Wave conditions have been relatively average with major storm in May and a minor storm in February. Sand delivery has been 90% of estimated natural sand transport in first 6 months of the year. Letitia is rebuilding, good connection around Fingal Headland. Duranbah beach changes observed during placement program and health has been indicated by surviving May storms in good condition.

SE Gold Coast Beaches - Monitoring shows beach width reduction which are seasonal. Rainbow Bay beach width has increased as it is relatively sheltered with less sand transport potential. Greenmount/Coolangatta beach widths reduce as Rainbow Bay builds until NE conditions move the sand. Kirra has increased in widths with a sand slug that has moved around Kirra Point covering the Miles St Groyne. Surfing Conditions have been excellent March to July at Duranbah. Froggies is showing some quality waves and Snapper has long tubes with optimum bank shapes.

Kirra Reef – Biological survey indicates increasing diversity on the reef.