TWEEDSAND

TWEEDSAND BYPASSING

Tweed River Entrance Dredging: Employing a Flexible Placement Strategy

28th NSW Coastal Conference

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TWEEDSAND BYPASSING Tweed Sand Bypassing (TSB)

TSB is a joint coastal management initiative of the New South Wales and Queensland State Governments.

- ves of the Project are to: and maintain a safe, navigable entrance to the Tw 2. Reare and maintain the coastal sand drift to the southern Gold Coast
- e set out in both the NSW and Qld achieved in perpetuity through the passing jetty and recurrent dredge. ctives an , and are
- nd Bypass well Cr nce s detailed in the Concess

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Restoring Coastal Sand Drift - Improving Boating Access















| TWEEDSAND BYPASSING | | | | | | | | |
|---|--|--|--|--|--|--|--|--|
| Planning for 2019 dredge campaign | | | | | | | | |
| Restoring Coastal Sand Drift - Improving Boating Access | | | | | | | | |















| TWEEDSAND BYPASSING | | | | | | | | | | | | | | | | |
|---|---|---------------|---------------------|--|--------------------|--|---------------------|---|---|-------------|-----------|--|--|---------------|---------------------|--|
| | 2019 dradged sand placement allocation including the use of backpass boxes | | | | | | | | | Duranbah | Placement | | | | | |
| | 2A (Tugun/Bilinga) | | | | Snapper Rocks East | | | 1 | Bax | re capacity | volume | | | Fingal | | |
| | Bax | Fill Capacity | Placement volume | | Bex | Fill Capacity | Placement volume | 1 | DB02 | 3,462 | 3,000 | | Bex | Fill Capacity | Placement volume | |
| | 2A31 | 11,679 | 4,000 | | SRES02 | 9,453 | 7,000 | | D003 | 6,928 | 4,000 | | F19 | 7,477 | 3,000 | |
| | 2A32 | 27,328 | 2,000 | | SRES03 | 4,892 | 4,000 | | D804 | 2,217 | 2,000 | | F20 | 20,003 | 3,000 | |
| | 2A36 | 11,991 | 4,000 | | SRES03A | 1,730 | 1,000 | | DBOS | 1,267 | 3,000 | | F25 | 7,269 | 3,000 | |
| | 2A37 | 27,331 | 2,000 | | SRES05 | 9,574 | 8,000 | | D806 | 2,588 | 2,000 | | F26 | 20,415 | 3,000 | |
| | 2A41 | 9,372 | 4,000 | | SRESOS | 7,515 | 7,000 | | D807 | 2,908 | 2,000 | | F31 | 6,896 | 3,000 | |
| | 2442 | 9 300 | 4,000 | | SRISOLA | 2,480 | 2,000 | | Date | 1,958 | 3,000 | | F12 E17 | 6.313 | 1,000 | |
| | 2A47 | 22.358 | 2.000 | | SRES09 | 10.616 | 10.000 | | D010 | 4.057 | 4,000 | | FIE | 20.153 | 3,000 | |
| | 2A51 | 8,841 | 4,000 | | SRESORA | 3,754 | 3,000 | | D011 | 3,939 | 3,000 | | F43 | 5,587 | 3,000 | |
| | 2A52 | 22,736 | 2,000 | | SRIS12A | 4,126 | 4,000 | | D012 | 1.510 | 1,020 | | F44 | 20,335 | 3,000 | |
| Sub-total 172,013 30,000 All capacity based on Sale approval | | | | | Sub-total | 61,649 All capacity based on 21 surface | 54,000 | 1 | Sub-total 48,247 36,000 All capacity based on 21 outface | | | | Sub-total 134,983 30,000 Fillcapacity based on Mif opproval | | | |
| Total fill capacity Total placement volume | | | | | 416,892 | | | | | | | | | | | |
| NSW Restoring Coastal Sand Drift - Improving Boating Access | | | | | | | | | | | | | | | | |



| TWEEDSAND BYPASING | | | | | | | | | | | | |
|---|--------------------|--------------------------------|--|--|--|--|--|--|--|--|--|--|
| 2019 TSB dredge | | | | | | | | | | | | |
| 14 July to 8 August (3 ½ weeks) 150 loads with production rate of conversion table 0.000-3 on day. | Placement Area | Proposed Allocation (m3) | Delivered Volume as at 8/08/2019 (m3) | Placement Volume remaining as at 8/08/2019 (m3) | | | | | | | | |
| approximately 9,000m per day | 2A (Tugun/Bilinga) | 30,000 | 29,899 | 101 | | | | | | | | |
| Cycle between SRE/Dbah and the | Snapper Rocks East | 54,000 | 54,060 | -60 | | | | | | | | |
| additional placement areas | Duranbah Beach | 36,000 | 36,035 | -35 | | | | | | | | |
| depending on tides and time or day | Fingal | 30,000 | 31,366 | -1,366 | | | | | | | | |
| | TOTAL | 150,000 | 151,360 | -1,360 | | | | | | | | |
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