

Report No:	RCS11-10-06
File No:	
Date:	11 October 2011
<i>Information Only – no decision required</i>	

REPORT SUMMARY

Report to: Community Services Committee
Meeting Date: 20 October 2011
Subject: Tapu Bay Sand Renourishment Update
Report Authors: Stephen Richards, Reserves Officer,
Eric Verstappen, Resource Scientist Rivers and Coast

EXECUTIVE SUMMARY

This report updates the Committee on progress at Tapu Bay from April 2011.

RECOMMENDATION/S

It is recommended that the report be received and for the Community Services Committee to discuss and approve the recommendation before reporting back to the Tapu Bay community.

DRAFT RESOLUTION

THAT the Community Services Committee:

- 1 Receives the Tapu Bay Sand Renourishment Update Report RCS11-10-06; and**
- 2 Approves the recommendation from Eric Verstappen to proceed with further renourishment of Tapu Bay beach with up to 3000 m³ of granite sand and improve the level and slope of Tapu Bay Reserve by placing up to 1000 m³ of mixed soil and granite sand material, sourced from the nearby Turner's Bluff realignment works.**

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1. PURPOSE

- 1.1 To update the Committee on the sand renourishment project at Tapu Bay.

2. BACKGROUND

- 2.1 A beach renourishment scheme, incorporating slope and elevation improvement works to the reserve at Tapu Bay, have been approved in principle, utilising material from a proposed realignment of Turner's Bluff nearby. During February 2011, approximately 700 m³ of granite sand became available from a house excavation site and was placed onto Tapu Bay beach as an interim measure. This enabled an exposed midden to be protected and the eroded beach frontage to be mildly elevated, thus preventing further erosion of the reserve.
- 2.2 The 700 m³ of granite sand had been stock piled on Tapu Bay Reserve since October 2010. It was planned to place the sand on the beach in early December but wet weather and the holiday period delayed the project until late February. The Turners Bluff road realignment project was identified as a source of additional material that would likely provide the required quantities of granite sand necessary for a significant renourishment project. However the timing of the Turners Bluff project was uncertain.
- 2.3 Recently planning work by the Engineering Department has indicated the Turners Bluff project might start in November 2011. It is indicated that up to 5000 m³ of material will be surplus from the road realignment, of which some 3000 m³ of this material will be clean granite sand suitable to place on Tapu Bay beach and 2000 m³ of material suitable for recontouring the Tapu Bay Reserve.

- 2.4 It is proposed that the beach renourishment project be completed as originally agreed in principle and to place the surplus granite sand from Turners Bluff on Tapu Bay beach to complete the partial beach renourishment that was undertaken in February 2011. The placement of up to 3000 m³ of granite sand will restore a significant beach margin to the eroded face of the reserve. The material will extend across much of the foreshore frontage, with provision of a channel through the renourished beach to facilitate stormwater outflow to the low tide area. Sand material is to be placed on the beach at the existing natural beach gradient of around 10% and depending on budget and material availability, up to 1000 m³ is to be placed on the reserve area to fill hollows and establish a more evenly graded surface from the rear of the reserve to the beachfront.
- 2.5 A detailed plan is still to be finalised and will either be circulated to the Committee prior to the meeting or be tabled for discussion at the meeting.

3. RECOMMENDATION/S

It is recommended that the report be received and for the Community Services Committee to discuss and approve the recommendation from Eric Verstappen to proceed with further beach renourishment and reserve recontouring work at Tapu Bay before reporting back to the Tapu Bay community.

4. DRAFT RESOLUTION

THAT the Community Services Committee:

- 1 Receives the Tapu Bay Sand Renourishment Update Report RCS11-10-06; and**
- 2 Approves the recommendation from Eric Verstappen to proceed with further renourishment of Tapu Bay beach with up to 3000 m³ of granite sand and improve the level and slope of Tapu Bay Reserve by placing up to 1000 m³ of mixed soil and granite sand material, sourced from the nearby Turner's Bluff realignment works.**

Stephen Richards
Reserves Officer

Eric Verstappen
Resource Scientist Rivers and Coast

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