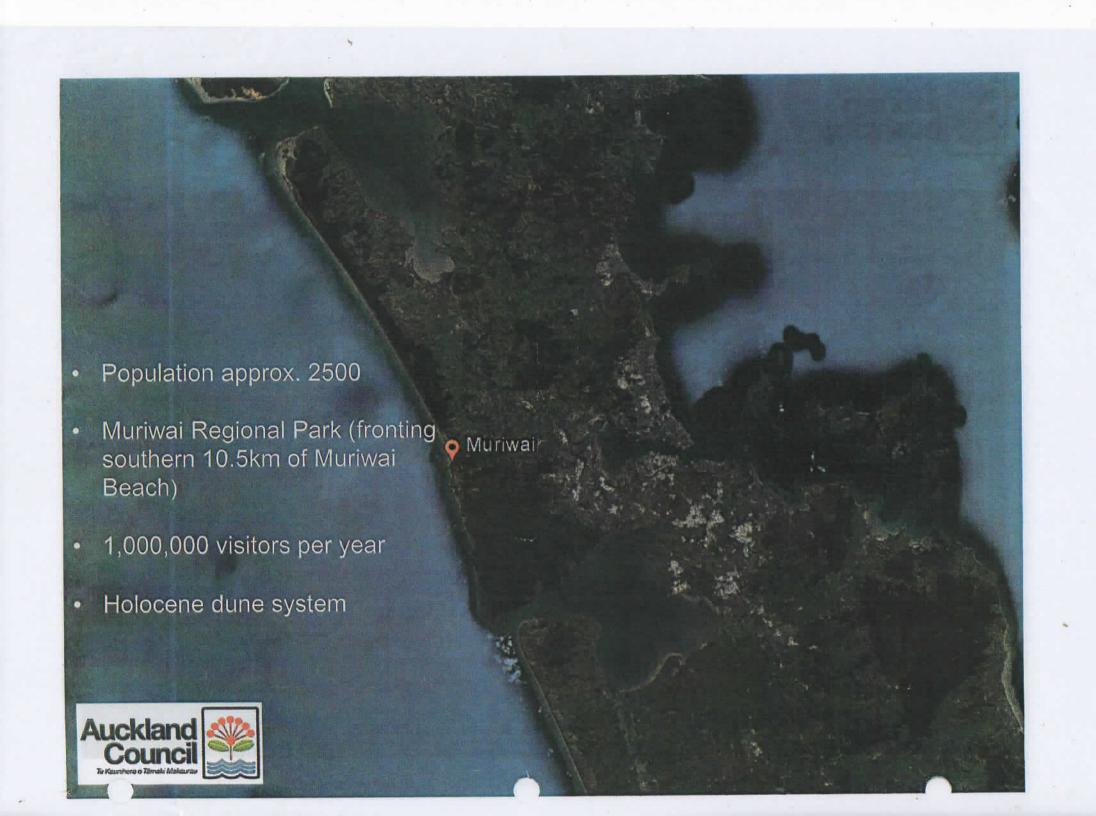
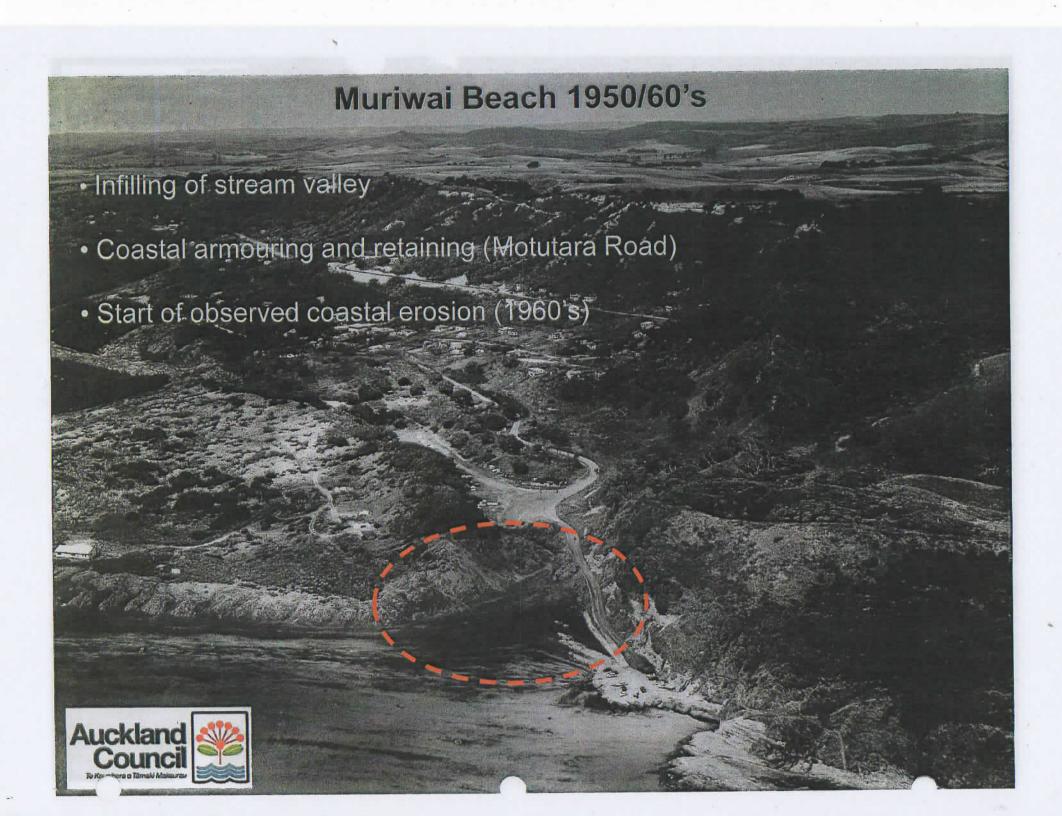
Dune Restoration, Muriwai Beach

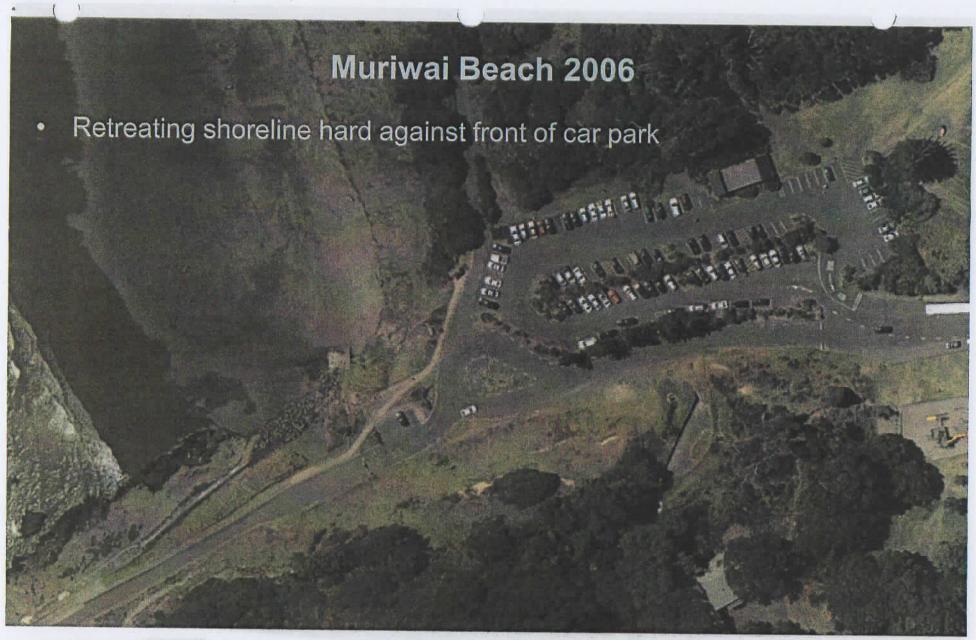
Matthew McNeil, Senior Coastal Specialist, Engineering & Technical Services











- Approximately 8m of shoreline retreat between 2005 2007
- Managed retreat triggers met in 2006









2016 / 2017 Dune Restoration Works



SUBJECT SITE

- Foredune over-steep/unstable due to human activities, weed growth, and erosion.
- Evidence of minor tipping within dunes, comprising clay, concrete and metal.
- Potentially contaminated site, records indicating previous disposal of chemicals and hazardous substances, and noting the location of the previous surf club house.

AIMS OF DUNE RESTORATION WORK

- Create a more natural & stable dune profile, enhancing the buffer the dunes provide.
- Enhance natural character and landscape values.
- Maintain and enhance recreational amenity values.

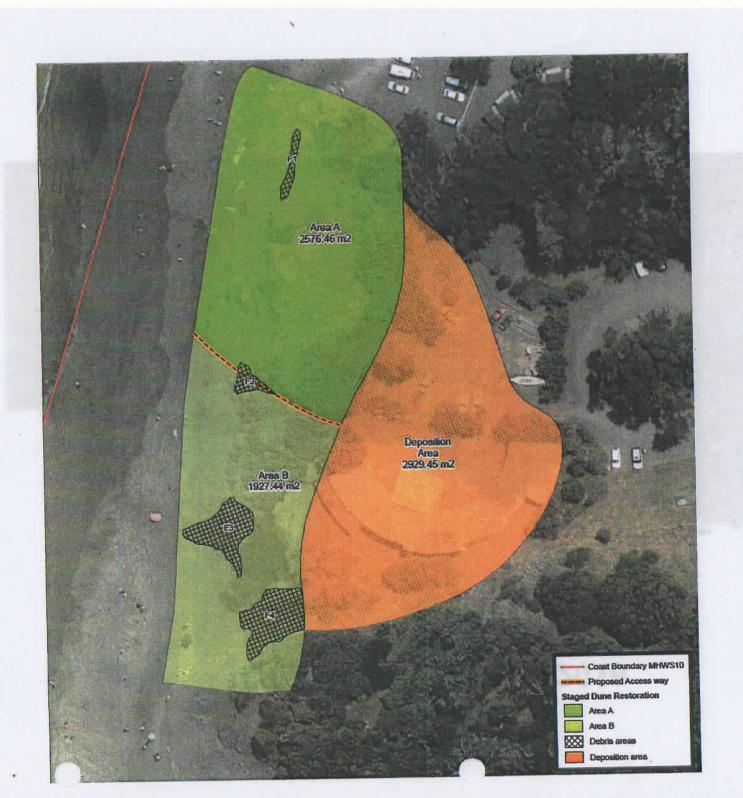




Section of Dune 2016











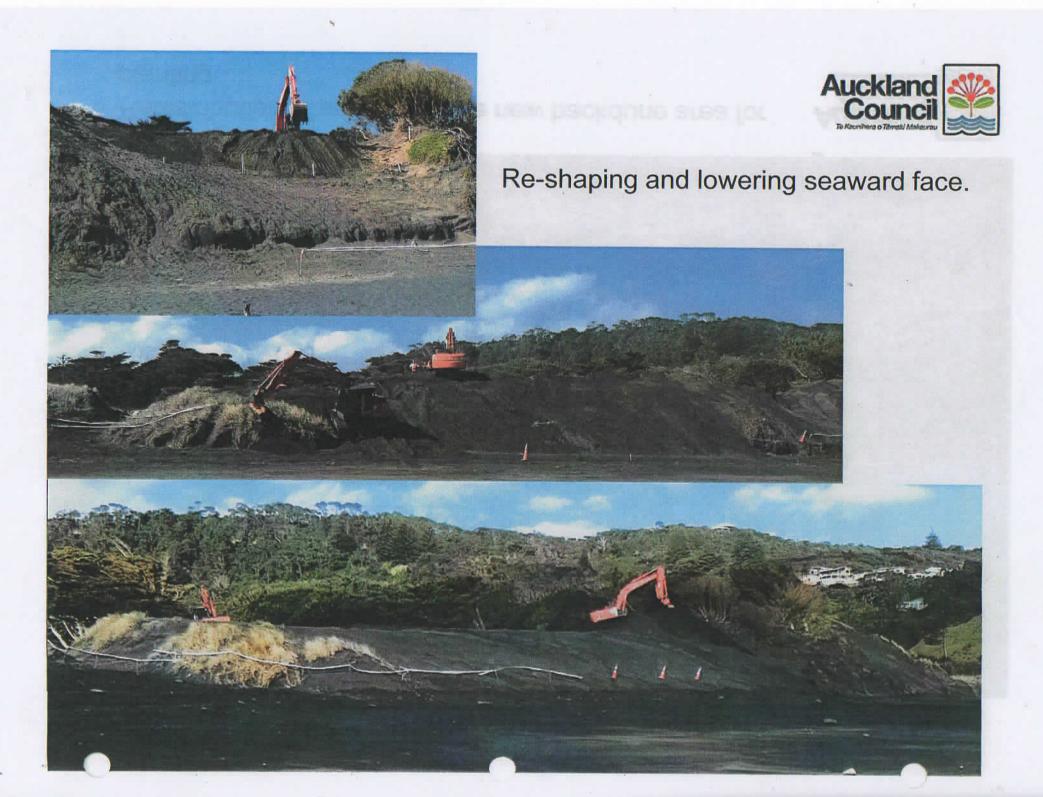
Area A dune face pre-works.

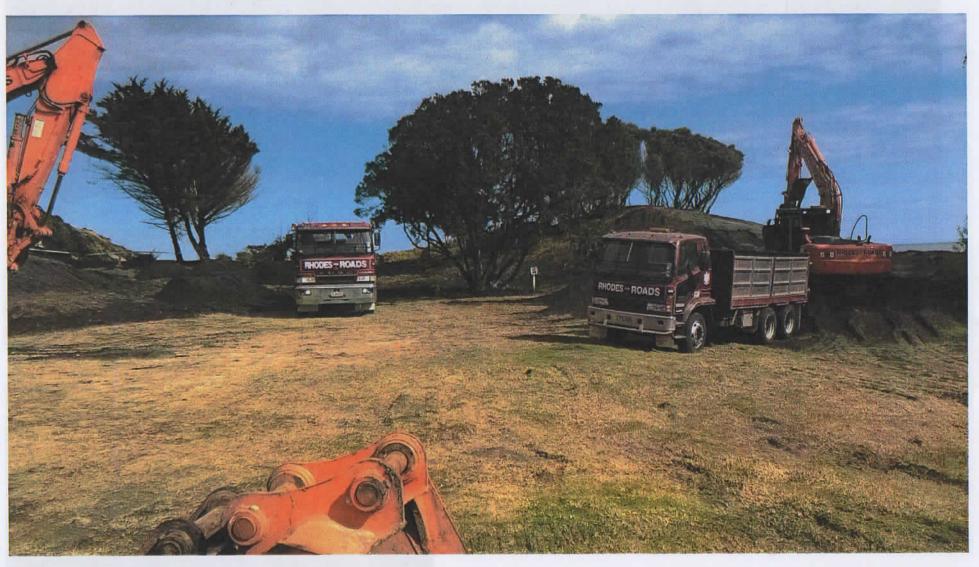












Redistribution of sand to create new backdune area for planting.





Area A planting day August 2016.





