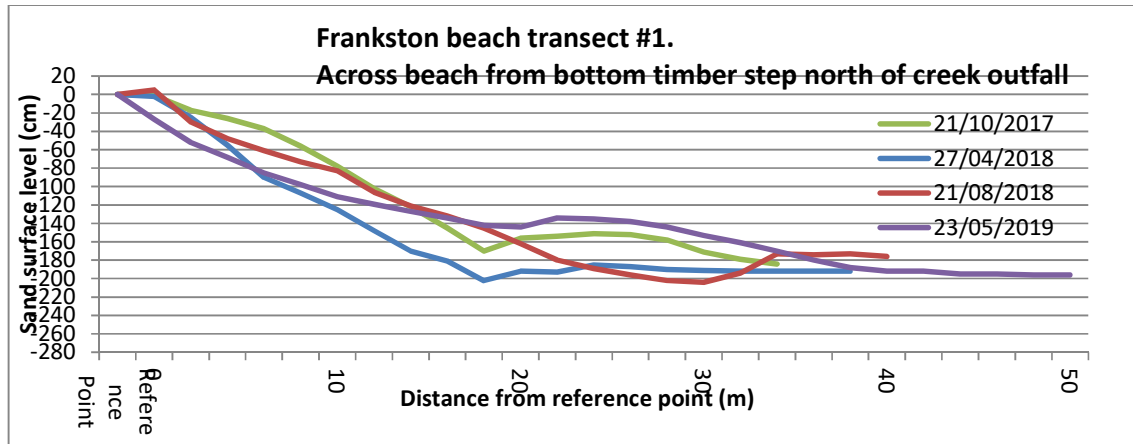


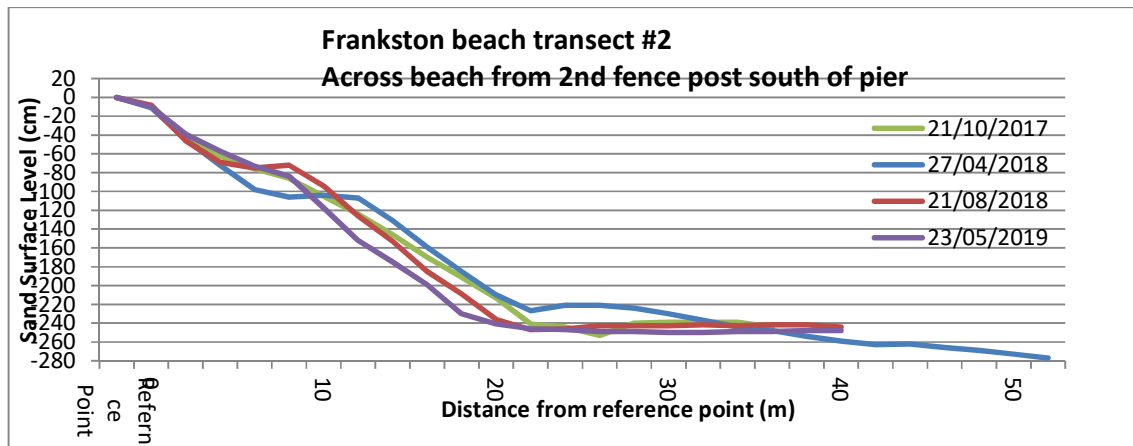
Frankston profiles summary results for October 2017 to May 2019



Notable erosion occurred between 1st & 2nd surveys (green & blue lines).

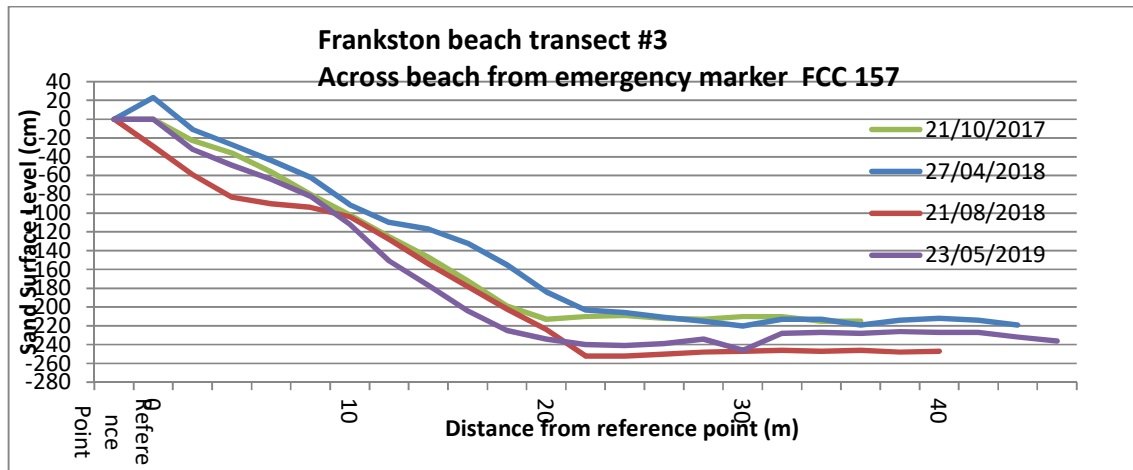
The 3rd survey (brown) shows sand accretion has occurred on the beach but the intertidal records (from around 18m from reference point) vary from lowest to highest levels within that zone.

Sand levels along the beach section of this transect were lower at the 4th survey than those recorded at the 1st survey, but higher in the intertidal zone.



Over the 4 surveys Transect #2, compared to Transects 1 and 3, shows the least variation in levels. Some sand accretion occurred between the 1st and 2nd surveys. The winter period between survey 2 & 3 shows erosion continuing through to survey 4.

Sand levels along the beach section of this transect were lower at the 4th survey than those recorded at the 1st survey.



The beach at Transect #3 shows considerable build of sand between the 1st and 2nd surveys, followed by substantial erosion during the 2018 winter. In the period between the 3rd and 4th surveys sand lost from the bottom half of the beach appears to have relocated to the top half and the intertidal zone.

Sand levels along the entire length of this transect were lower at the 4th survey than those recorded at the 1st survey.

Conclusions:

1. A further 3 surveys are required over the next 12 months in order to confirm if sand movements identified to date are likely to continue into the future.
2. The results indicate a nett loss of sand along the length of beach between Transects 1 and 3.
3. Over the 4 surveys, the differences recorded in the intertidal zone indicate a general movement of sand from south to north in this zone. Between the 1st and 4th surveys:
 - Lower levels recorded in the southernmost transect (T#3);
 - Minimal change was recorded in the middle transect (T#2); and
 - substantial accretion was recorded in Transect #1.

Other observations:

A local population of the bivalve mollusc *Paphies elongata* aka Elongated Wedge Shell was noted during the conduct of beach profile surveys and a mollusc sampling program commenced to monitor the presence of this species.