

Brief Summary of Proposed Works – South Beach

The Shire is seeking the approval from DWER for a clearing permit for a small area at South Beach, Port Denison, just south of the Denison Surf Club. The proposed clearing permit area is the area of land that the Shire intends to manage to mitigate sand drift and stabilise the dune formations. This is due to the significant risk placed on the Surf Club premises and unviable existing maintenance program of the road caused by the sand drift. The subject area is indicative of what area the Shire requires the ability to access within to carry out sand drift management and dune rehabilitation in accordance with WAPC Coastal Management Manual (2002) and NACC's guidance.

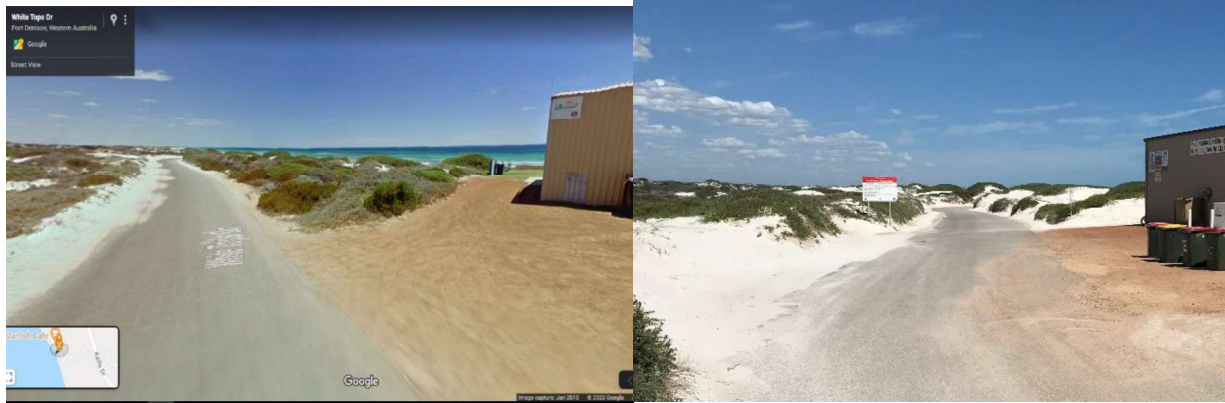
Proposed activities are a combination of:

- Targeting small areas at a time.
- Applying jute mesh and brushing on high risk sections of sand drift and dune slide to reduce sand drift and blow outs.
- Planting of indigenous vegetation species (native to the reserve site) in select stabilised areas to help stabilise moving dunes and reduce sand drift.
- Remove sand that has drifted and encroached into the existing beach access road and surf club premises (including the southern side entrance).
- Retaining existing pockets of established native vegetation that effectively reduce sand drift, dune movement and blowouts.

Any vegetation that needs to be removed (which will be minimal) will be:

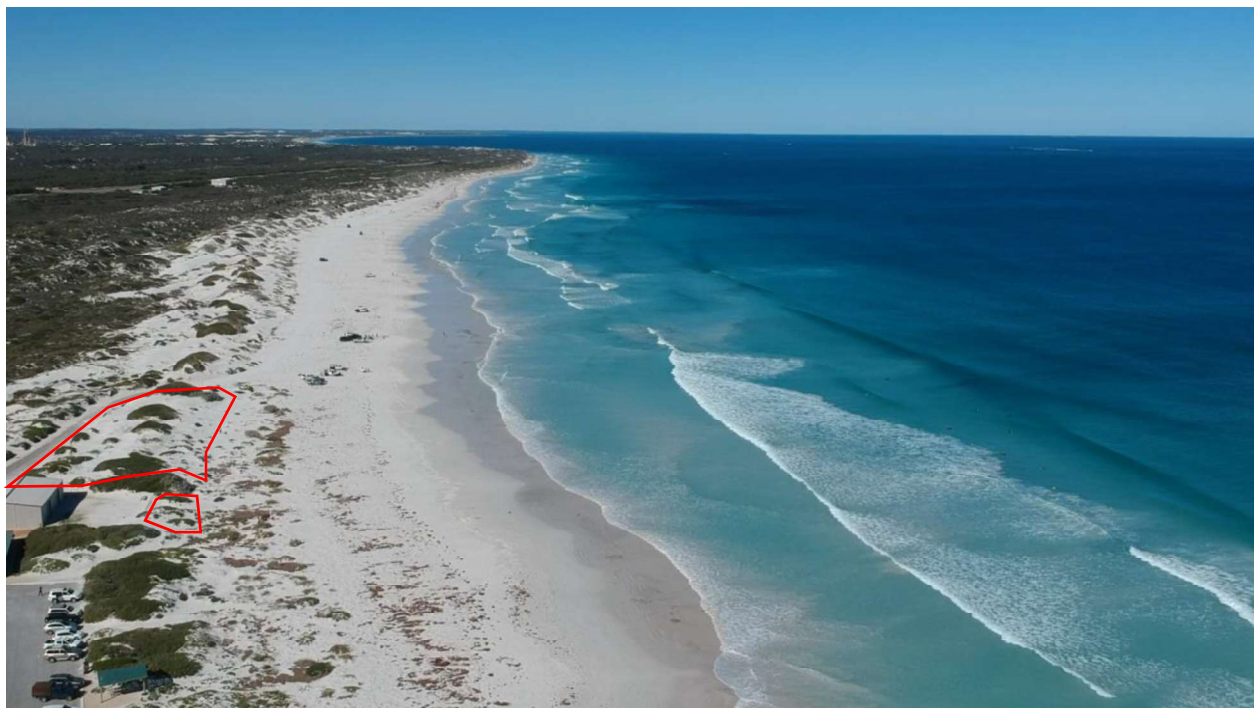
- New growth vegetation that is encroaching into the road or surf club premises and aiding to dune shifting. Much of this is new vegetation growth in sand drift sections of the dune and not part of the original dune formation.
- Vegetation, that once removed, can allow for lowering of the newly formed dune caused by sand drift for rehabilitation.

The Shire intends to manage this site as part of an annual maintenance program which exists only for removing sand drift on the road verge and side access of the Surf Club. The Shire aims to effectively manage the subject site in a way that mirrors what was in place prior to the significant sand drift occurrences (as can be seen below in the 2010 Google Maps Streetview on the left and 2020 photo on the right). The Shire is also in the process of developing a Coastal Management Plan for the entire district, which includes specific actions for the South Beach site for improved dune management. This clearing permit would facilitate the Shire meeting these objectives. The Shire will implement an annual reporting program to keep track of works and improvements, which can be supplied to DWER should the permit be supported.



Images above: Google Streetview 2010 (left) and 2020 (right)

Image below: July 2020 with indicative management area





PORT DENISON

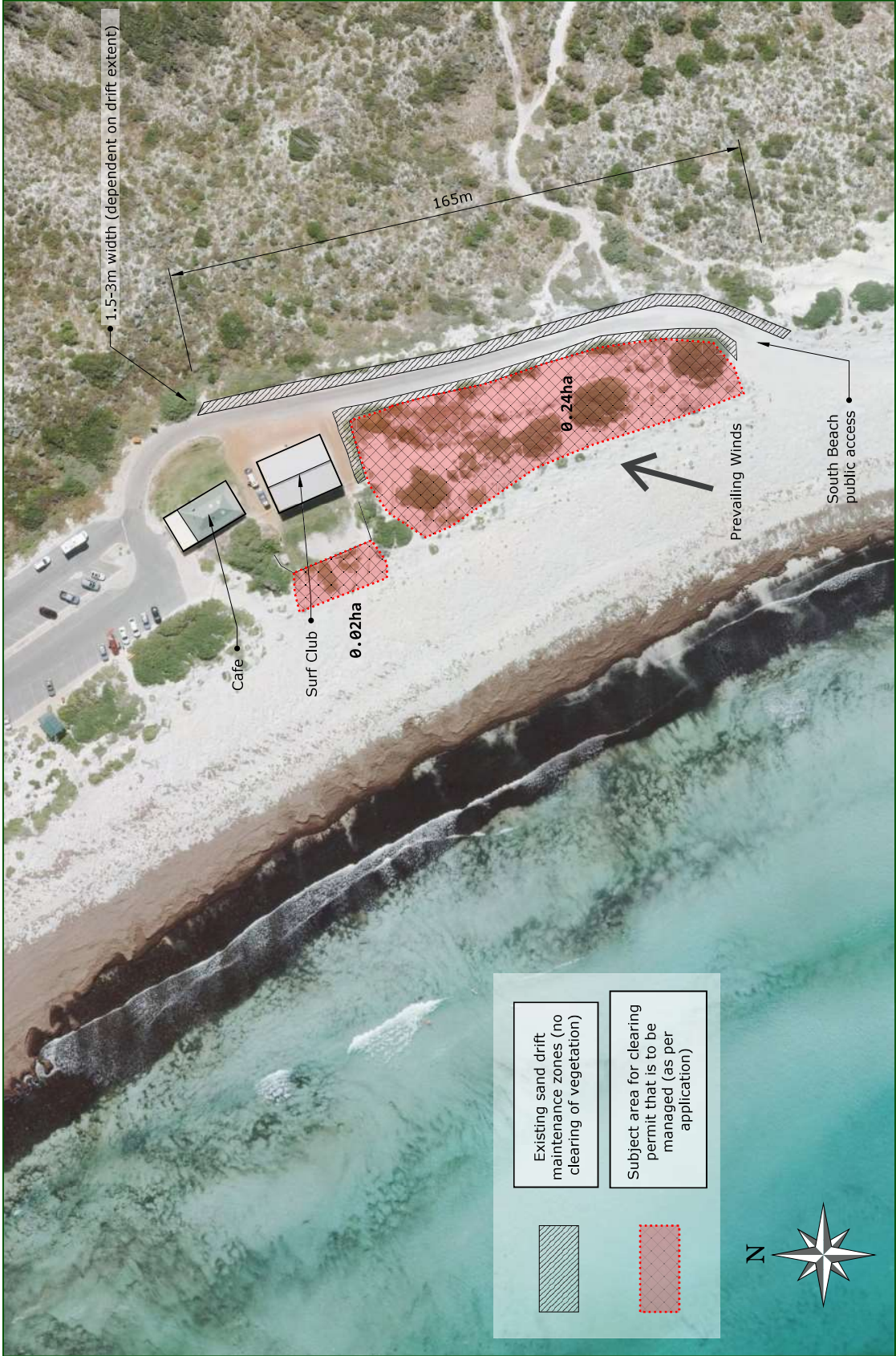
Kallis Drive

George Street

White Tops Drive

South Beach





Landgate Aerial

**Photo
Location and
Direction
Facing**

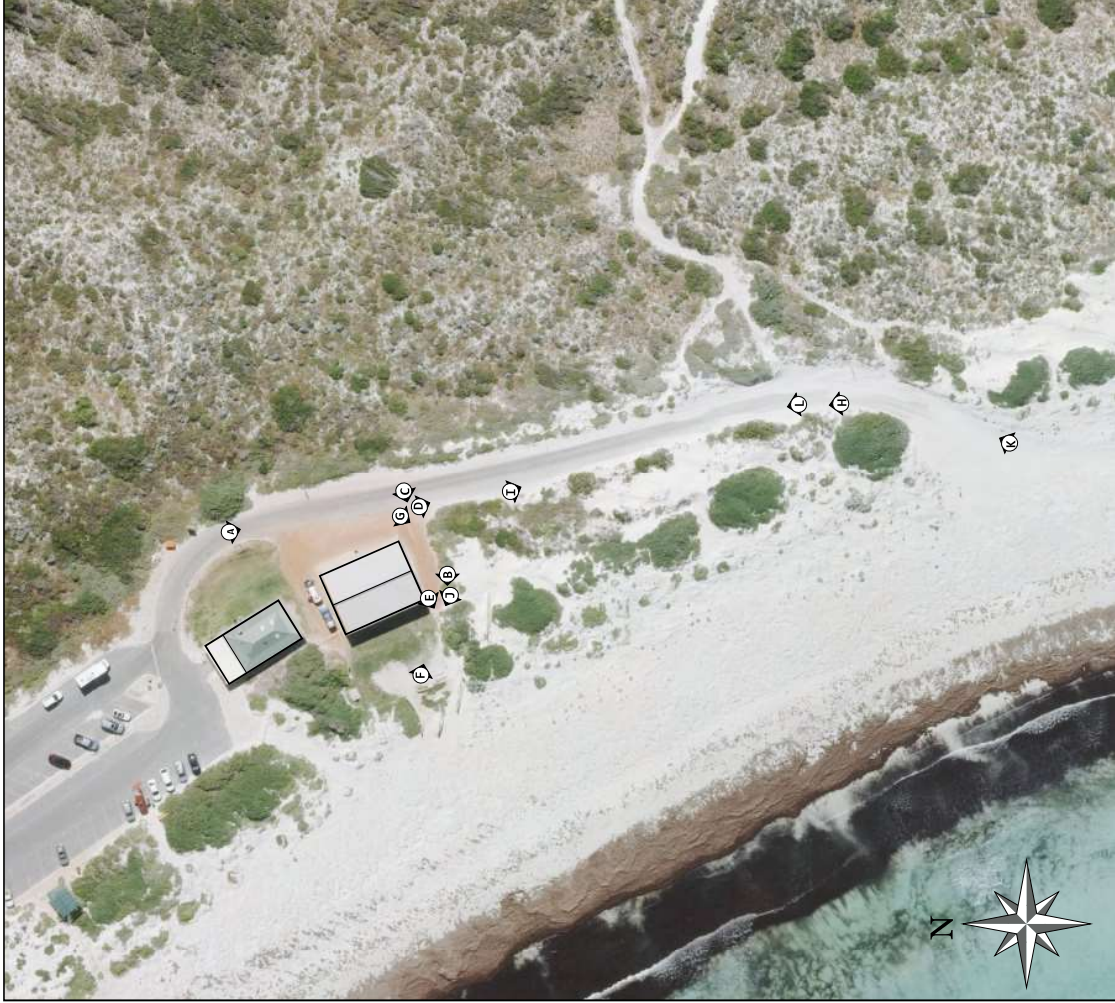


Photo Locations - February 2020



Location A - access road facing south



Location B - side & rear Surf Club facing northwest



Location C - side Surf Club facing west



Location D - access road from Surf Club facing south



Location E - Surf Club side gate facing west



Location F - rear Surf Club facing southeast

Photo Locations - February 2020



Location G - unstable dune southside Surf Club facing west

Photo Locations - June 2020



Location H - beach end of access road facing north



Location I - access road facing south



Location J - rear Surf Club from side gate

Photo Locations - March 2018



Location K - beach end of access road facing north



Location L - access road facing north