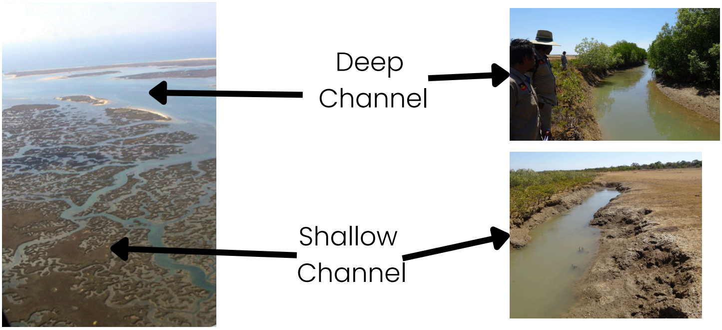
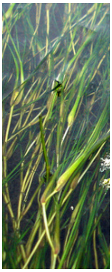
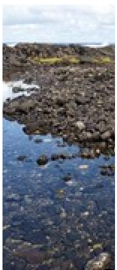
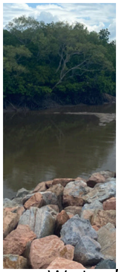
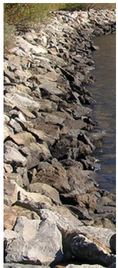
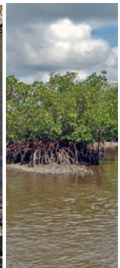
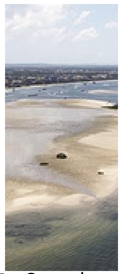
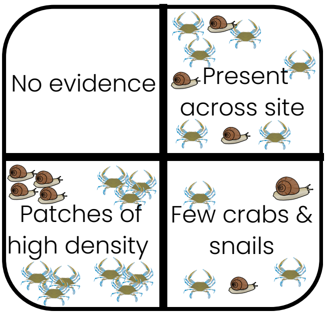
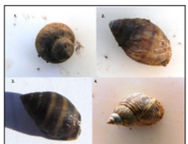
FISH HABITAT – VALUES

ACCESIBILITY	
PROXIMITY	 Seagrass  Rocky Shoal  Deep Water Channel  Rockwall  Mangrove  Sand Bars  Coral Reef
SNAIL & CRAB DENSITY	  Snail Shells  Crab Shells & Burrows  Crab
SALT COUCH	 Salt Couch >90% cover (nearly all) 

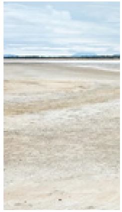
FISH HABITAT – VALUES

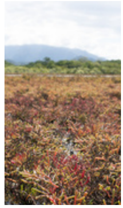
HABITAT DIVERSITY


Salt Couch


Pools


Reeds


Salt Flat


Samphire


Sedge /Rushes

CARBON STORES – VALUES

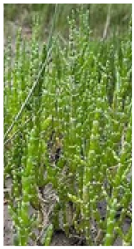
VEGETATION TYPE


Sedges

>


Salt Couch

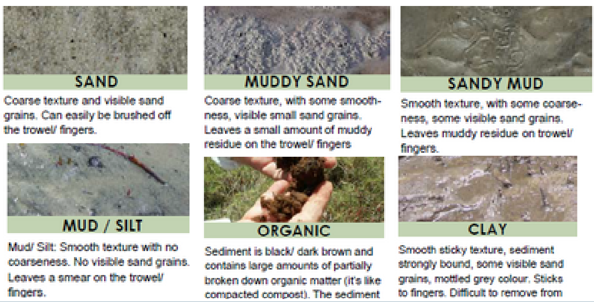
>


Samphire

>


Algal mat

SEDIMENT TYPE


SAND

Coarse texture and visible sand grains. Can easily be brushed off the trowel/ fingers.

MUDDY SAND

Coarse texture, with some smoothness, visible small sand grains. Leaves a small amount of muddy residue on the trowel/ fingers

SANDY MUD

Smooth texture, with some coarseness, some visible sand grains. Leaves muddy residue on trowel/ fingers.

MUD / SILT

Mud/ Silt: Smooth texture with no coarseness. No visible sand grains. Leaves a smear on the trowel/ fingers.

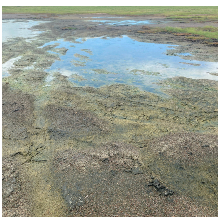
ORGANIC

Sediment is black/ dark brown and contains large amounts of partially broken down organic matter (it's like compacted compost). The sediment

CLAY

Smooth sticky texture, sediment strongly bound, some visible sand grains, mottled grey colour. Sticks to fingers. Difficult to remove from

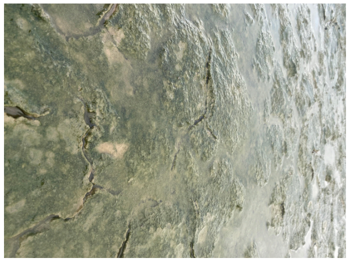
VEGETATION % COVER


10-30%
(mostly algal mat)


30-60%


60-90%

WATER QUALITY – VALUES

VEGETATION DENSITY	 Patches of dense vegetation  Very dense vegetation
ALGAL MAT COVER	 30-60%  >90%
PROXIMITY TO DIRECT STORMWATER RUNOFF	 Drain present on site  Drains in areas adjacent to site  Drain outlet into saltmarsh
INDIRECT RUNOFF	 Adjacent to urban landuse  Pristine, natural catchment

WATER QUALITY – VALUES

TIDAL CONNECTIVITY

Shallow tidal channel present

Tidal connecitvity limited by barrier

HABITAT – VALUES

MIGRATORY WADER BIRDS

Asian Dowicher

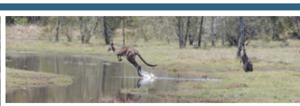
Eastern Curlew

Common Greenshank

THREATENED SPECIES

Water mouse nest

GENREAL HABITAT VALUE



RECREATION – VALUES

RECREATION ACCESS

VISUAL APPEAL

Beautiful

OTHER – VALUES

BUFFER ZONE VALUE

1. Site has LOW-VALUE but is part of a large tidal wetland

3. Site protects adjacent HIGH-VALUE landuse as part of tidal wetland

CULTURAL VALUE

DIRECT DAMAGE – THREATS

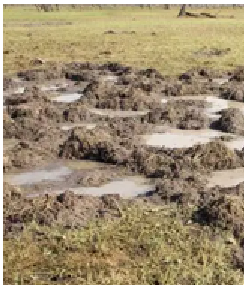
VEHICLE DAMAGE

CATTLE DAMAGE

Grazing

Cattle Tracks

FERAL ANIMAL DAMAGE



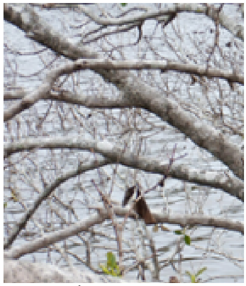
Wild boar markings

MOWING

25-50% of saltmarsh mowed

>75% of saltmarsh mowed

DIRECT DAMAGE – THREATS

FIRE DAMAGE	 Burnt Saltmarsh Vegetation  Burnt leaves & new growth in response to fire  Burnt Saltmarsh Vegetation
HUMAN TRAMPLING	  Human tracks

PHYSICAL PROCESSES – THREATS

SURFACE ERROSION	 10-25% (channels caused by erosion)  50-75% of the site is impacted by surface erosion

PHYSICAL PROCESSES – THREATS

SEDIMENT BURIAL


10-25%


<10%

SHORELINE EROSION

Shoreline erosion on saltmarsh margin

DIRECT HABITAT REPLACEMENT – THREATS

LITTER & TRASH


25-50% of litter cover or large items


<10%

DIRECT HABITAT REPLACEMENT – THREATS

% OF HABITAT REPLACEMENT

Road through saltmarsh ~ <10%

DIRECT POLLUTION – THREATS

CHEMICAL SPRAY DRIFT

Terrestrial margin dead due to herbicides

ALTERED FLOWS – THREATS

TIDAL

Bund wall changing tidal flow to saltmarsh and surrounding habitats

FRESHWATER

Rock wall adjacent to site

Road adjacent to site

Dam: Freshwater impoundment affecting flow into wetland

INDIRECT POLLUTION – THREATS

AGRICULTURAL RUNOFF

Agriculture production

Saltmarsh Habitat

High intensity agricultural landuse (application of fertiliser & pesticides) adjacent to site

Saltmarsh Habitat

Unlikely to have agricultural runoff impacts

URBAN RUNOFF

Saltmarsh Habitat

Possible urban runoff (via overland flows, through buffer zone)

Saltmarsh Habitat

Urban Areas

Low intensity urban landuse (parks, low density housing) adjacent to site

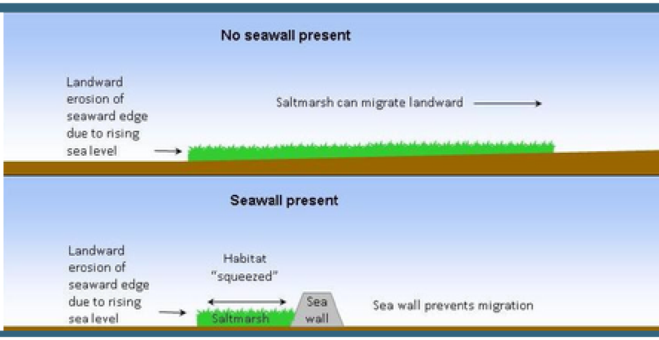
CLIMATE CHANGE & SEA LEVEL RISE - THREATS

LANDWARD BUFFER ZONE CONDITION

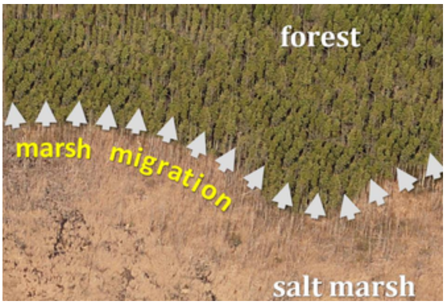
0. Healthy extensive natural vegetated buffer zone

5. No natural vegetated buffer between saltmarsh and adjacent landuse

COASTAL SQUEEZE



TERRESTRIAL RETREAT



MANGROVE ENCROACHMENT

10-25%

25-50%

CLIMATE CHANGE & SEA LEVEL RISE – THREATS

WEEDS	
DROUGHT	 Dried out Salt Couch  Dried out mangrove