# CULTURAL BURN – WILSON INLET FORESHORE NEAR THE COVE BEACH FLORA SURVEY PRE-BURN REPORT

**DATE:** Monday 9<sup>th</sup> May 2022 (Pre-burn)

**SURVEY COLLECTORS:** Yvette Caruso – Sustainability Officer

Mark Parre – Revegetation Officer Terran Ablett – Revegetation Assistant

**GPS CO-ORDINATES:** Lat: 34° 59' 21.7" Long: 117° 20' 36.2" (SW corner)

**OBJECTIVE:** Flora survey quadrat (10m x 10m) established within proposed cultural burn area within crown land near the Wilson Inlet foreshore at the Cove beach to assess and compare pre and post-burn impacts on vegetation structure, floral species composition and bushland condition from low intensity small scale handburn incorporating cultural burning practices and traditional ecological knowledge into current fire management practice through a trial demonstration prescribed burn.

#### **METHODOLOGY:**

10m x 10m quadrat – assessment of vegetation structure, bushland condition, species presence.

LOCATION: Weedon Hill, 11 Payne Rd, A3225, Crown Land on Wilson Inlet foreshore near the Cove beach. Bibbulmun track is northern boundary of proposed cultural burn.

SOIL: Grey sandy loam; well drained

DRAINAGE: well LITTER: 100% cover

### **VEGETATION STRUCTURE, COVER, DOMINANT SPECIES:**

GROWTH FORM	HEIGHT	COVER CLASS	DOMINANT SPECIES
Trees	Over 8m	5%	Agonis flexuosa
Trees	Under 8m	45%	Agonis flexuosa Trymalium floribundum Acacia pentadenia
Shrubs	Over 2m	5%	Leucopogon capitellatus Acacia pentadenia
Shrubs	1-2m	20%	Leucopogon capitellatus
Shrubs	Under 1m	10%	Leucopogon capitellatus
Herbs		5%	Marianthus candidus
Sedges		10%	Lepidosperma effusum
Grasses		5%	Rice grass
Other		5%	Pteridium esculentum Asparagus scandens Desmocladus flexuosus Cryptostylis ovata (Slipper orchid) Moss

**VEGETATION CONDITION**: Very good to Excellent. Minimal evidence of weeds (*Asparagus scandens*, flat weed, grassy weed). Some trash litter (thong, rubbish bag of dog faeces)). Location next to Bibbulmun track, high visitation for recreation to surrounding area.

### **SPECIES PRESENCE:**

GROWTH FORM	SPECIES	COMMON NAME
Trees	Agonis flexuosa	Peppermint tree
	Trymalium floribundum	
Shrubs	Acacia pentadenia	Karri wattle
	Leucopogon capitellatus	
	Tremandra stelligera	
Herbs	Opercularia hispidula	Hispid stinkweed
	Marianthus candidus	White Marianthus
Sedges	Anigozanthus flavidus	Kangaroo paw
	Ficinia nodosa	Knotted club rush
	Lepidosperma effusum	Spreading sword sedge
	Lepidopserma gracile	Slender sword sedge
	Lomandra pauciflora	
Grasses		Rice grass
Other	Asparagus scandens	Asparagus fern
	Cryptostylis ovata	Slipper orchid
	Desmocladus flexuosus	
	Pteridium esculentum	Bracken
		Flat weed
		Lichen
		Moss

NB Dominant vegetation species evident outside quadrat includes: *Eucalpyptus diversicolor; Macrozamia reidlei*; *Patersonia umbrosa*; *Callistachys lanceolata* 

Evidence of *Isoodon fusciventer* bandicoot (quenda) diggings x 2 within quadrat area Evidence of weed species (A.scandens and flatweed) within quadrat.

#### MAP:



10m x 10m quadrat within proposed cultural burn area in Crown Land on Wilson Inlet foreshore near the Cove Beach

## **IMAGES:**



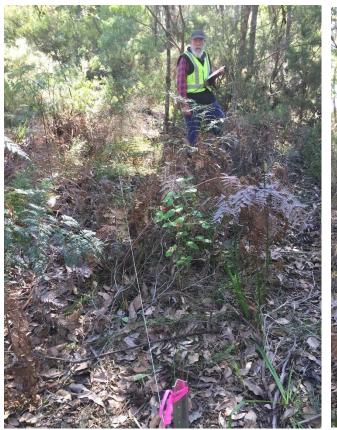
Evidence of Isoodon fusciventer (Bandicoot/Quenda) diggings within the quadrat



Photo of flora survey quadrat from SW corner looking diagonally across quadrat to NE corner:



Flora quadrat – photos taken from each quadrat corner (facing L and R):



SW corner looking Left (north)



SW corner looking Right (east)



SE corner looking Left (west)



SE corner looking Right (north)



NE corner looking Left (south)



NE corner looking Right (west)



NW corner looking Left (east)



NW corner looking Right (south)