

**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:**

<b>GROWTH FORM</b>	<b>HEIGHT</b>	<b>COVER CLASS</b>	<b>DOMINANT SPECIES</b>
Trees	Over 8m	5%	<i>Agonis flexuosa</i>
Trees	Under 8m	45%	<i>Agonis flexuosa</i> <i>Trymalium floribundum</i> <i>Acacia pentadenia</i>
Shrubs	Over 2m	5%	<i>Leucopogon capitellatus</i> <i>Acacia pentadenia</i>
Shrubs	1-2m	20%	<i>Leucopogon capitellatus</i>
Shrubs	Under 1m	10%	<i>Leucopogon capitellatus</i>
Herbs		5%	<i>Marianthus candidus</i>
Sedges		10%	<i>Lepidosperma effusum</i>
Grasses		5%	Rice grass
Other		5%	<i>Pteridium esculentum</i> <i>Asparagus scandens</i> <i>Desmocladius flexuosus</i> <i>Cryptostylis ovata</i> (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	<i>Agonis flexuosa</i> <i>Trymalium floribundum</i>	Peppermint tree
Shrubs	<i>Acacia pentadenia</i> <i>Leucopogon capitellatus</i> <i>Tremandra stelligera</i>	Karri wattle
Herbs	<i>Opercularia hispidula</i> <i>Marianthus candidus</i>	Hispid stinkweed White Marianthus
Sedges	<i>Anigozanthus flavidus</i> <i>Ficinia nodosa</i> <i>Lepidosperma effusum</i> <i>Lepidosperma gracile</i> <i>Lomandra pauciflora</i>	Kangaroo paw Knotted club rush Spreading sword sedge Slender sword sedge
Grasses		Rice grass
Other	<i>Asparagus scandens</i> <i>Cryptostylis ovata</i> <i>Desmocladius flexuosus</i> <i>Pteridium esculentum</i>	Asparagus fern Slipper orchid  Bracken Flat weed Lichen Moss

NB Dominant vegetation species evident outside quadrat includes: *Eucalyptus diversicolor*; *Macrozamia reidleyi*; *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)*