

Gippsland Vegetation Types: Ecological Vegetation Classes (EVC's)

EVC description derived from Davies et.al (2001) Ecological Vegetation Class Mapping at 1: 25000 in Gippsland.

EVC 136 Sedge Wetland

A sedge-dominated wetland developed on deep peat. Sedge and rush species dominate, with various aquatic and semi-aquatic herbs also present.



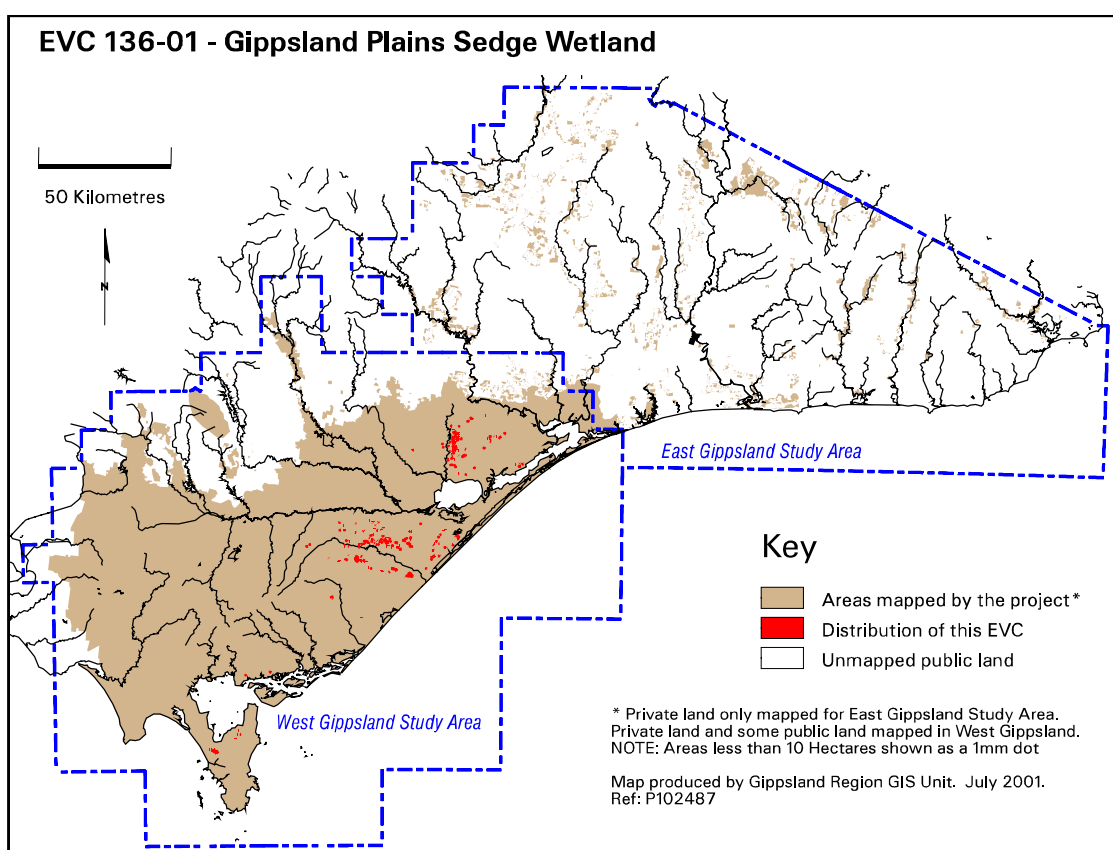
Sedge Wetland. Pithy Sword-sedge *Lepidosperma longitudinale* is dominate. Bengworden District.
Photo: John Davies 1999.



Sedge Wetland. Photo: John Davies 1999.

Floristic Community 136-01 *Gippsland Plains Sedge Wetland*

Elevation (metres above sea level)	<130
Average rainfall p.a. (mm)	Variable
Topography	Plains with freshwater swamps
Geology	Quaternary and Tertiary deposits of peat, sand and clay
Soils	Deep peat, clay, sand
Related/adjacent EVCs/FCs	Wetland Formation
Present land use	Water storage, peat mining, nature conservation, recreation
Present distribution	Widespread across the Gippsland plains and localised at Wilsons Promontory National Park
Examples of sites/quadrats/lists	Holey Plains State Park and Providence Ponds Flora and Fauna Reserve. Five Mile Rd approximately 2 km east of Wilsons Promontory Rd, Wilsons Promontory National Park (F22810)
Total Area(ha)/ Number of polygons	1,102/338



Vegetation: structure/floristics:

Sedge Wetland is typically dominated by Pithy Sword-sedge *Lepidosperma longitudinale*, and often includes a number of other sedges such as Twig-sedge *Baumea* spp., Club-sedge *Isolepis* spp. and Bog-sedge *Schoenus* spp. but also includes a range of wetland herbs such as Running Marsh-flower *Villarsia reniformis*, Swamp Goodenia, *Goodenia humilis*, Centella *Centella cordifolia*, Floating Club-sedge *Isolepis fluitans* and occasionally the endangered Dwarf Kerrawang *Rulingia prostrata*. Areas of deeper standing water support Water Ribbons *Triglochin procerum* s.l. The EVC ranges from sites dominated by just a few species to more diverse sites.

Comments:

On the periphery of this EVC, Swamp Scrub may be found in areas of impeded drainage and deep clay soils with surface peat horizons.

Gippsland species list including species frequency and fidelity.

Fidelity: Rating of faithfulness of a species to an EVC or Floristic Community. Highest fidelity rating indicated by an “F” ie species only recorded in respective group.

% Frequency: Percentage occurrence of a species/taxa in an EVC or Floristic Community – **NB. Species highlighted in red are the most frequent and important.**

* = weed ie: non-native

Rarity categories from NRE’s Flora Information System (FIS).

EVC 136-01: GIPPSLAND PLAINS SEDGE WETLAND

Lifeform	Scientific Name	Common Name	% Fr	F	
Shrubs	<i>Melaleuca ericifolia</i>	Swamp Paperbark	17	1	
Herbs	<i>Villarsia reniformis</i>	Running Marsh-flower	78	37	
	<i>Goodenia humilis</i>	Swamp Goodenia	72	39	
	<i>Centella cordifolia</i>	Centella	56	14	
	<i>Lobelia anceps</i>	Angled Lobelia	33	8	
	<i>Gonocarpus micranthus</i>	Creeping Raspwort	28	13	
	<i>Hydrocotyle muscosa</i>	Mossy Pennywort	22	266	
	<i>Potamogeton tricarinatus</i>	Floating Pondweed	22	133	
	<i>Villarsia exaltata</i>	Erect Marsh-flower	22	33	
	<i>Myriophyllum simulans</i>	Amphibious Milfoil	22	33	
	v <i>Bracteantha palustris</i>	Swamp Everlasting	17	199	
	<i>Hydrocotyle pterocarpa</i>	Wing Pennywort	17	33	
	<i>Mimulus repens</i>	Creeping Monkey-flower	17	13	
	<i>Gratiola peruviana</i>	Austral Brooklime	17	9	
	<i>Senecio glomeratus</i>	Annual Fireweed	17	4	
	Sedges	Ee <i>Rulingia prostrata</i>	Dwarf Kerrawang	6	F
		<i>Lepidosperma longitudinale</i>	Pithy Sword-sedge	67	25
		<i>Isolepis fluitans</i>	Floating Club-sedge	39	42
		<i>Schoenus brevifolius</i>	Zig-zag Bog-sedge	33	9
<i>Schoenus tesquorum</i>		Soft Bog-sedge	22	44	
<i>Baumea arthrophylla/rubiginosa</i>		Fine/Soft Twig-sedge	22	27	
<i>Chorizandra australis/cymbaria</i>		Heron Bristle-sedge	17	F	
<i>Eleocharis sphacelata</i>		Tall Spike-sedge	17	25	
Rushes		<i>Lepyrodia muelleri</i>	Common Scale-rush	28	28
<i>Juncus pallidus</i>		Pale Rush	17	4	
Halophytes	<i>Selliera radicans</i>	Shiny Swamp-mat	22	4	
	<i>Selaginella uliginosa</i>	Swamp Selaginella	17	4	
Grasses	<i>Agrostis avenacea</i>	Common Blown Grass	72	11	
	<i>Deyeuxia quadriseta</i>	Reed Bent-grass	44	7	
	<i>Hemarthria uncinata</i>	Mat Grass	17	6	
	<i>Eragrostis brownii</i>	Common Love-grass	17	5	
	Vk <i>Amphibromus fluitans</i>	River Swamp Wallaby-grass	6	F	
Weeds	* <i>Hypochoeris radicata</i>	Cat’s Ear	61	1	
	* <i>Leontodon taraxacoides</i>	Hairy Hawkbit	50	7	
	* <i>Holcus lanatus</i>	Yorkshire Fog	44	2	
	* <i>Vellereophyton dealbatum</i>	White Cudweed	33	399	
	* <i>Cirsium vulgare</i>	Spear Thistle	17	1	