

Edithvale-Seafood Wetlands Ramsar Site Boundary Description

Technical report



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Introduction

Ramsar wetlands are wetlands of international importance listed under the Convention on Wetlands (Ramsar, Iran 1971). Victoria has 11 wetlands listed under this convention including the Edithvale - Seaford Wetlands Ramsar Site.

It is a requirement of the Convention on Wetlands that a suitable map or maps are provided for each Ramsar wetland. The Department of Sustainability, Environment, Water, Population and Communities (SEWPAC), requires that both the written description and the spatial data of the Ramsar site boundaries are accurate. This information is used to gazette the boundary of the declared Ramsar wetland in accordance with Section 327 of the *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act). Under the EPBC Act there are requirements for approval of activities which have, or are likely to have a significant impact on the ecological character of a declared Ramsar wetland. Precise identification of site boundaries helps to ensure that the exact boundaries of the Ramsar site can be easily identified, which can facilitate compliance with the EPBC Act as well as its effective enforcement.

The RAMSAR100 spatial dataset is a polygon layer that identifies each Victorian Ramsar area individually. The Department of Sustainability and Environment (DSE) is the custodian of RAMSAR100. Most of the line work in RAMSAR100 was initially derived from 1:100,000 reference data. Because of its broader scale, this data was not always consistent with the cadastre and other more accurate features that have now been used to better define the majority of the Barmah Ramsar Site.

The RAMSAR100 spatial dataset is a polygon layer that identifies each Victorian Ramsar area individually. The boundary of the Edithvale-Seaford Wetlands Ramsar Site was added to RAMSAR100 in 2001 when the site was formally listed as a Ramsar site based on the best cadastral data at that time. The Department of Environment and Primary Industries (DEPI) is the custodian of RAMSAR100. More accurate features have now been used to better define the Edithvale-Seaford Wetlands Ramsar Site. The updated spatial definition of Edithvale-Seaford Wetlands Ramsar Site is identified in a new RAMSAR25 spatial dataset.

This report details the written description of the Edithvale – Seaford Wetlands Ramsar Site to explicitly define the Ramsar boundaries, along with accompanying maps.

Methodology of RAMSAR 100 GIS layer boundary realignment

An expert panel was convened to provide advice on the original intent of the Ramsar site boundaries based on a description of the Edithvale-Seafood Wetlands Ramsar Site in the Ramsar Information Sheet for the site (compiled in 2001).

Certificates of Title were obtained as required from the Office of the Surveyor-General, Victoria, to further clarify the intent of the Ramsar boundary.

DEPI manages the RAMSAR 100 spatial dataset. The current RAMSAR100 boundary of the Ramsar area was used as a guide to select appropriate features from the following 1:25,000 datasets:

- Vicmap Transport Road (1 February 2011)
- Vicmap Property (26 October 2010)
- Vicmap Hydro (1 January 2011)
- Vicmap Shared (for the state boundary) (11 November 2010)
- Public Land Management (PLM25) (8 December 2010).

High quality digital aerial photography was used where it was necessary to further clarify the original intent of the Ramsar boundary.

- portphillip_2009dec02_air_vis_35cm_mga55.

These datasets are represented in spatial products available through Vicmap¹ - <http://www.land.vic.gov.au>. Alternatively the Ramsar site boundaries can be viewed through the Department of Sustainability and Environments website, at Interactive Maps - <http://www.dse.vic.gov.au/about-dse/interactive-maps>.

The geographical coordinates (latitude, longitude) used in this report are based on Geographic Datum of Australia 1994 (GDA94) and the areas are calculated using Albers Equal Area projection. The hectares of the site presented in the body of the report have been calculated using Albers Equal Area projection and rounded to the nearest whole number (see Appendix 1 for the site's area calculated to two decimal places).

¹ Terms and conditions do apply.

Location

The Edithvale-Seaford Wetlands Ramsar Site is located in Melbourne's south eastern suburbs approximately 30 km from the city of Melbourne. The site is comprised of two separate wetlands: Edithvale and Seaford. The site covers an area of approximately 261 ha and is owned by Melbourne Water and the City of Frankston.



Figure 1: Edithvale-Seaford Wetlands Ramsar Site location

Written description of the Edithvale–Seaford Wetlands Ramsar Site boundary

The generated boundary of the Ramsar site described below is represented by the spatial data in RAMSAR25 held in the DEPI Corporate Spatial Data Library. The datum used is Geographic Datum of Australia 1994(GDA94). Points referred to in the description are shown on the maps in Appendix 2.

Edithvale Section

The Edithvale site covers an area of 103 ha.

Section 1 is the northern part of the Edithvale site. It is comprised of parcels 1\TP820840, 1\TP131999, 1\TP225777, 2\TP225777, 1\TP83139, 1\TP820843, 2\TP820843, 1\TP385644, 1\TP414444 and 1\TP82835.

Section 2 is the southern part of the Edithvale site. It is comprised of parcels 1\TP138507, 1\TP132070, 1\TP366503, 1\TP370109, and 1\TP95924.

Seaford Section

The Seaford site covers an area of 158 ha.

Section 3 is the north western part of the Seaford site. It is comprised of parcels 2\LP138935, 1\TP117202, 1\TP758882, 1\TP659206, 2\TP659206, 3\TP659206, 4\TP659206, 5\TP659206, 6\TP225759, 5\TP225759, 4\TP225759, 3\TP225759, 2\TP225759, 1\TP225759.

Section 4 is the north eastern part of the Seaford site. It is comprised of parcels 1\TP382307 and 86B\PP3025.

Section 5 is the south eastern part of the Seaford site.

The boundary commences at the southwest corner of parcel 43\LP10032 at the point closest to 38°20.114 "S 145°8'8.992"E (labelled as Point A on the map). The boundary heads in a north-easterly direction along the eastern edge of parcel 2070\PP3025 to the south-west corner of 1\TP824348 at the point nearest to 38°5'41.148"S 145°8' 23.18"E (Point B). The boundary then continues along the cadastral boundary in a south-easterly direction to the north-east corner of parcel 1\PS606721 at the point nearest to 38°5'42.755"S 145°8'36.415"E (Point C).

The boundary heads in a southerly then westerly direction around the boundary of 1\PS606721 to the south-west corner of the parcel. From there the boundary follows cadastral boundaries in a southerly direction along the western edge of parcel 1\TP96382 and eastern edge of 76\LP13210. The boundary then follows the cadastral boundary of 76\LP13210 in a westerly direction to the corner. The boundary heads in a southerly direction along the western edge of parcel 1\TP199675 and then heads in a westerly direction along the southern edge of parcels 1\TP199675, 1\TP86982, 1\TP96260, 1\TP98661, 1\TP119374, 64\LP13454. The boundary then heads in a south-westerly direction along the western edge of parcels 6\PS522223, 5\PS522223, 4\PS522223 and the eastern edge of parcel 2\TP850291.

The boundary continues in a generally easterly, then southerly direction around the edge of parcel 76\LP13210 to the north-east corner of parcel 4\TP850291. The boundary continues in a southerly direction along parcel 4\TP850291. From the south-east corner of parcel 4\TP850291 the boundary heads in a straight line (i.e. continuation of cadastre) in a westerly direction to 38°5'52.593"S 145°8'36.541"E (Point D).

From this point the boundary continues in a straight line in a south westerly direction to the northeast corner of parcel 1\TP195276 at the point closest to 38°5'59.692"S 145°8'31.489"E (Point E). The boundary continues in a westerly direction along the northern edge of parcels 1\TP195276, 1\TP195285, 1\TP195284, 129\LP12131, 1\TP195282, 1\TP195281. From the north-west corner of parcel 1\TP195281 the boundary continues in a southerly direction to the point closest to 38°6'0.478"S 145°8'25.524"E (Point F) on the southwest corner of parcel 1\TP195281.

From Point F the boundary continues in a straight line in a westerly direction to the point closest to 38°6'0.381"S 145°8'24.659"E (Point G) on the northeast corner of parcel 4\TP850298. The boundary continues in a southerly direction along the eastern edge of parcel 4\TP850298, along the western edge of parcels 1\TP195269, 1\TP195280, along the eastern edge of 2\TP850298, and along the western edge of 1\TP195263 and 280\LP11717. The boundary continues in

a westerly direction along the southern edge of 281\LP11717 and 282\LP11717 to the north-east corner of 2\TP850300. The boundary continues in a southerly direction along the eastern edges of parcels 2\TP850300, 221\LP11717, 245\LP11717, 244\LP11717, 243\LP11717, 242\LP11717, 241\LP11717, 240\LP11717, 239\LP11717 to the point closest to 38°12.72'S 145°8'21.294"E (Point H) on the southwest corner of parcel 239\LP11717.

The boundary continues in a straight line in a southerly direction (i.e. continuation of cadastre) to the point closest to 38°15.26'S 145°8'20.883"E (Point I) on the corner of parcel 3\TP850300. From Point I the boundary continues in a southerly direction along the eastern edge of parcels (3\TP850300, 16\LP10032, 27\LP10032, 2\TP865059, 28\LP10032, 54\LP10032) to the point closest to 38°21.453'S 145°8'19.888"E (Point J) on the southeast corner of parcel 54\LP10032.

The boundary then continues in a westerly direction along the cadastral boundary on the southern edge of parcels 54\LP10032, 53\LP10032, 52\LP10032, 51\LP10032, 50\LP10032, 49\LP10032, 48\LP10032, 47\LP10032, 46\LP10032, 45\LP10032, 44\LP10032, 43\LP10032 returning to the start at point A.

Section 6 is the south western part of the Seaford site.

The boundary commences at the point closest to 38°5'38.7"S 145°8'7.772"E (labelled as Point K on the map) on the northwest corner of parcel 53\LP11828. The boundary heads in a easterly direction along the cadastral boundary to the north eastern corner of parcel 53\LP11828 at the point closest to 38°5'40.465"S 145°8'22.544"E (Point L). The boundary continues in a south westerly direction along the cadastral boundary on the western edge of parcel 2070\PP3025 until the point closest to 38°6'17.803"S 145°8'8.97"E (Point M) on the corner of 17\LP6611.

The boundary continues in a westerly direction along the cadastral boundary until the point closest to 38°6'16.659"S 145°7'59.994"E (Point N) on the south-west corner of parcel 40\LP6611.

The boundary then continues in a northerly direction along the western edge of parcel 40\LP6611, then in a westerly direction along the southern edge of parcel 1\TP850301, and then in a generally northerly direction along the western edge of 1\TP850301 and eastern edge of parcels 9\LP6611, 167\LP11717, along the western edge of parcel 5\TP850299 and eastern edge of 142\LP11717, 2\SP35463, 1\SP35463. From the north eastern corner of parcel 1\SP35463 the boundary continues in a straight line in a easterly direction to 38°6'8.218"S 145°8'1.468"E (Point O) on the south-west corner of parcel 3\TP850299.

From this point the boundary continues in a generally northerly direction along the western edge of parcel 3\TP850299, 36\LP12131, 1\TP850299, along the eastern edge of parcels CM\SP27916, 2\SP27916, 76\LP12131, along the western edge of parcels 3\TP850292, 1\TP146701, 36\LP12131, 1\TP850292, along the eastern edge of 27\LP12131, 47\LP66211 to the point closest to 38°5'55.125"S 145°8'4.926"E (Point P).

The boundary continues in a straight line in a northerly direction to the point closest to 38°5'54.637"S 145°8'4.977"E (Point Q) on the southeast corner of parcel 46\LP66211.

The boundary continues in a northerly direction along the eastern edge of parcels 46\LP66211, 22\LP66212 to the point closest to 38°5'51.738"S 145°8'5.37"E (Point R) on the north east corner of parcel 22\LP66212 and continues in a straight line to 38°5'51.234"S 145°8'5.47"E (Point S) on the south east corner of parcel 21\LP66212.

The boundary continues in a northerly direction along the eastern edge of parcel 21\LP66212 and then along the southern edge of parcels 1\TP96461, 1\TP96460, 1\TP107608, 1\TP105324, 1\TP104902. The boundary continues in a generally northerly direction along the eastern edge of parcels 1\TP104902, 3\TP850290, 1\TP96456, 1\TP850290. From the northeast corner of parcel 1\TP850290 the boundary continues in a westerly direction and then northerly direction along the eastern edge of parcel 1\TP96452. The boundary continues in a westerly direction along the northern edge of parcels 1\TP96452, 1\TP96451 to the point closest to 38°5'44.226"S 145°8'7.297"E (Point T) on the south east corner of parcel 1\TP138047.

The boundary continues in a northerly direction along the eastern edge of 1\TP138047 and 1\TP824349. From the north-eastern corner of parcel 1\TP824349 the boundary continues in a westerly direction along the cadastral boundary to the south-eastern corner of parcel 1\TP165560. The boundary continues in a northerly direction along the eastern edge of parcels 1\TP165560 and 1\TP165559 and returning to the start at Point K.

References

DEWHA (2011). Additional guidelines for written boundary descriptions for Australian Ramsar wetlands, September 2011, Department of the Environment, Water, Heritage and the Arts. Canberra.

DEWHA (2010). Guidelines for Written Boundary Descriptions for Australian Ramsar Wetlands, Version 1, 27 August 2010. Department of the Environment, Water, Heritage and the Arts. Canberra.

DEWHA (2008). Mapping Specifications for Australian Ramsar Wetlands. Module 1 of the National Guidelines for Ramsar Wetlands – Implementing the Ramsar Convention in Australia. Department of the Environment, Water, Heritage and the Arts. Canberra.

Appendix 1

Area in hectares

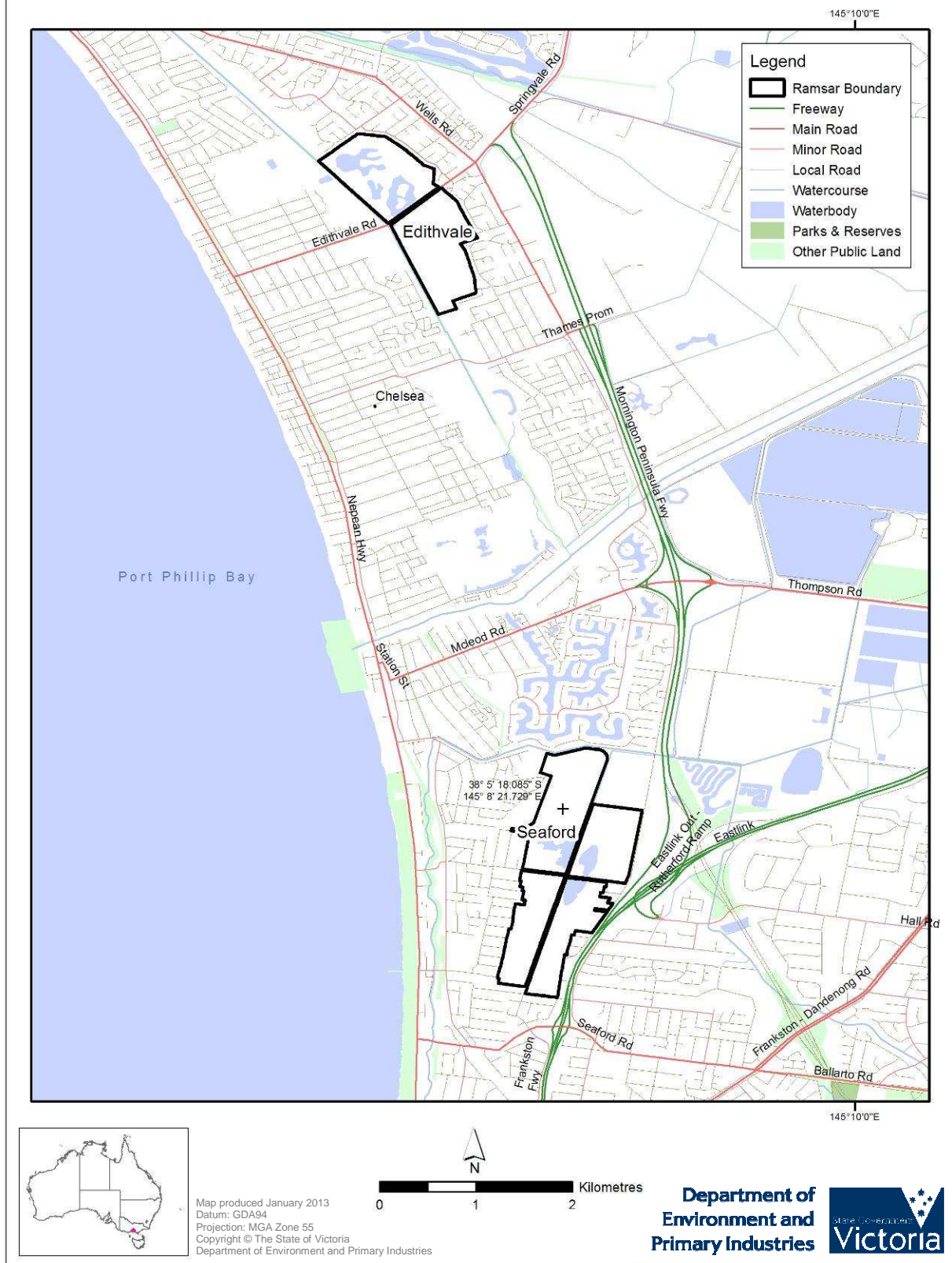
Site name	Albers equal area (ha)
Edithvale section	103.73
Seaford section	157.61
Total	261.34

Appendix 2

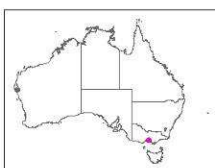
Maps

Map No.	Description
1.	Overview map.
2.	Edithvale section.
3.	Seaford section – northern portion.
4.	Seaford section – southern portion.

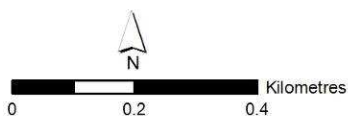
Map 1 Edithvale-Seaford Wetlands Ramsar Site



Map 2 Edithvale-Seafood Wetlands Ramsar Site



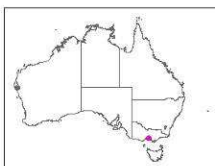
Map produced January 2013
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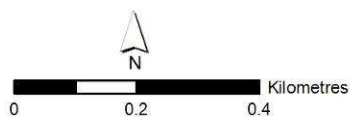
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Map 3 Edithvale-Seafood Wetlands Ramsar Site



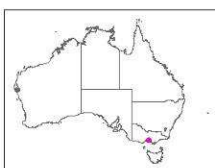
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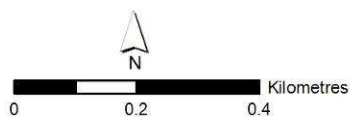
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Map 4 Edithvale-Seaford Wetlands Ramsar Site



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