MAPPING COASTAL SALTMARSHES IN SOUTHERN TASMANIA

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Southern Tasmanian coastal saltmarshes form a crucial link between terrestrial and marine systems, providing critical ecological functions that support a range of ecosystem services and biodiversity values. Close to a half of these important coastal ecosystems have already been lost or degraded due to land use change and impacts, sporadic and variable management approaches and lack of broad awareness of the important values provided by these habitats. In addition, future climate change and sea level rise projections leave these ecosystems in a precarious position given that they occupy shores within one metre of high water.

The Southern Tasmanian Coastal Saltmarsh Futures project, completed in March 2013, produced an inventory, GIS based mapping and a report detailing the current extent of coastal saltmarshes throughout the southern region of Tasmania, as well as the ‘future footprint’ of saltmarshes under sea level rise conditions out to 2100.

The study area for this project comprised the seven ‘coastal catchments’ within the southern NRM region, namely Derwent Estuary-Bruny, Huon, Little Swanport, Pitt Water-Coal, Prosser, Swan-Apsley and Tasman. Two other ‘riverine catchments’, the Lower Derwent and Jordan, are also known to contain saltmarsh communities but were excluded from the project due to their relatively limited extent and reduced coastal influence compared to the above listed coastal catchments.

This document provides a summary of the mapping component of the Southern Tasmanian Coastal Saltmarsh Futures project and sits alongside the report and GIS mapping outputs. The following maps aim to provide accessible information on the locations of coastal saltmarsh patches, clusters and complexes and associated information on values, threats and land management data.

While this project has collected as much information within the limits of this first pass assessment, there are still information gaps to be filled. The project report outlines the framework for the collection of associated information and highlights areas where further data can be collected in the future.

There are hundreds of saltmarsh patches across the region, some occurring in more remote locations and being small in size. Due to the large number and diversity across the region associated information has only been provided within this mapping summary for the larger patches and clusters that are likely to be of most interest to land managers and community groups.

If you are interested in an area of saltmarsh where this information has not been presented, or you would like to obtain the GIS mapping layers please contact NRM South. The Southern Tasmanian Coastal Saltmarsh Futures report is available on the NRM South website.

Any data, information or mapping that can be used for futures updates to the current information base on coastal saltmarshes in southern Tasmania can also be sent to NRM South.

This project has been undertaken by NRM South in partnership with the University of Tasmania, with funding through the Australian Government’s Caring for Our Country program.
A PEEK AT SOUTHERN TASMANIA’S SALTMARSHES

Mouling Lagoon saltmarsh. Photos Vishnu Prahalad

Port Cygnet saltmarsh, mixture of succulents, rushes and sedges, with a great egret.
Saltmarsh as a key bird habitat, North West Bay.

Life and death in a saltmarsh, a black swan skull at Moulting Lagoon.

A crab in flooded saltmarsh.

Cloudy Bay Lagoon saltmarsh, dominated by rushes.
1. Moulting Lagoon and Apsley Marshes Coastal Complexes

**Complex Profile**

- **Catchment**: Swan – Apsley
- **Municipality**: Glamorgan Spring Bay
- **Saltmarsh Area (Moulting Lagoon)**: 968 ha
- **Wetland Area (Apsley Marshes)**: 628 ha*
  
*Saltmarshes are known to occupy only a relatively small portion of the larger wetland area which is yet to be mapped and validated.

**Saltmarsh Clusters within the Complex**:
- Apsley Marshes Cluster (628 ha)
- Little Bay - Long Point Saltmarsh Cluster (396 ha)
- Swan River - King Bay Saltmarsh Cluster (233 ha)
- Moulting Lagoon Fringing Saltmarsh Cluster (177 ha)
- Pelican Bay Saltmarsh Cluster (63 ha)
- Great Swanport Fringing Marshes Saltmarsh Cluster (41 ha)
- Sherbourne Bay Saltmarsh Cluster (41 ha)
- Sanwick Bay Saltmarsh Cluster (14 ha)
- Barney Wards Bay Saltmarsh Cluster (3 ha)

**Recognised Values**:
- Moulting Lagoon Ramsar Site (listed 1982)
- Apsley Marshes Ramsar Site (listed 1982)
- Moulting Lagoon Important Bird Area (assessed 2008)
1A Sherbourne Bay and Moulting Lagoon Fringing Saltmarsh Clusters

Sherbourne Bay Saltmarsh Cluster

- **Area:** 41 ha
- **Catchment:** Swan – Apsley
- **River Section:** None
- **Local Council:** Glamorgan - Spring Bay
- **Land Tenure:** Private Parcel
- **Management Authority:** Private land owner
- **Coastcare Groups:** Unidentified
- **Land Disturbance – within:** Parts grazed and compacted by cattle
- **Land Disturbance – adjacent:** Lack of buffering vegetation
- **Eutrophication:** Some algal mats suggesting nutrient loading
- **SLR Room to Move:** Sufficient room to move
- **Bird Values:** Moulting Lagoon IBA
- **Flora Values:** Unknown
- **Marine Invertebrates:** Unknown
- **Marine Conservation Area:** None
- **Management Actions:** Fencing, planting buffer vegetation

Moulting Lagoon Fringing Saltmarsh Cluster

- **Area:** 177 ha
- **Catchment:** Swan – Apsley
- **River Section:** None
- **Local Council:** Glamorgan - Spring Bay
- **Land Tenure:** Game Reserve (about 125 ha), Private Parcel (rest)
- **Management Authority:** DPIFWE (for the reserves)
- **Coastcare Groups:** Unidentified
- **Land Disturbance – within:** North-western site grazed and compacted by cattle
- **Land Disturbance – adjacent:** Lack of buffering vegetation in patches on north-western side
- **Eutrophication:** Thick algal mats in north-western site suggesting heavy nutrient loading
- **SLR Room to Move:** Partly backed by steep upland, partly having some room to move
- **Bird Values:** Moulting Lagoon IBA
- **Flora Values:** Unknown
- **Marine Invertebrates:** Unknown
- **Marine Conservation Area:** None
- **Management Actions:** Fencing, reducing nutrient inputs, improving tidal flushing, planting buffer vegetation
1B Little Bay - Long Point and Swan River - King Bay Saltmarsh Clusters

**Little Bay - Long Point Saltmarsh Cluster**
- **Area:** 396 ha
- **Catchment:** Swan – Apsley
- **River Section:** No data
- **Local Council:** Glamorgan - Spring Bay
- **Land Tenure:** Private Reserve (about 335 ha), Private Parcel, Game Reserve
- **Management Authority:** Private Reserve managed by TLC, DPIPWE (Game Reserve)
- **Coastcare Groups:** Tasmanian Land Conservancy
- **Land Disturbance – within:** No data
- **Land Disturbance – adjacent:** No data
- **Eutrophication:** No data
- **SLR Room to Move:** Some room to move
- **Bird Values:** Moulting Lagoon IBA
- **Flora Values:** Unknown
- **Marine Invertebrates:** Unknown
- **Marine Conservation Area:** None
- **Management Actions:** None

**Swan River - King Bay Saltmarsh Cluster**
- **Area:** 233 ha
- **Catchment:** Swan – Apsley
- **River Section:** Swan River, West Marsh Rivulet
- **Local Council:** Glamorgan - Spring Bay
- **Land Tenure:** Game Reserve (about 125 ha), Private Parcel (rest)
- **Management Authority:** DPIPWE (for the reserves)
- **Coastcare Groups:** Unidentified
- **Land Disturbance – within:** Parts grazed by sheep (south western patches), old channel works
- **Land Disturbance – adjacent:** Lack of buffering vegetation in patches on western side
- **Eutrophication:** No data
- **SLR Room to Move:** Sufficient room to move
- **Bird Values:** Moulting Lagoon IBA
- **Flora Values:** Unknown
- **Marine Invertebrates:** Unknown
- **Marine Conservation Area:** None
- **Management Actions:** None
1C Pelican Bay and Sanwick Bay Saltmarsh Clusters

Pelican Bay Saltmarsh Cluster
- Area: 63 ha
- Catchment: Swan – Apsley
- River Section: No data
- Local Council: Glamorgan - Spring Bay
- Land Tenure: Game Reserve
- Management Authority: DPIPWE
- Coastcare Groups: Unidentified
- Land Disturbance – within: Limited, road and parking area on western patch
- Land Disturbance – adjacent: Largely backed by native vegetation
- Eutrophication: No data
- SLR Room to Move: Some room to move
- Bird Values: Moulting Lagoon IBA
- Flora Values: Unknown
- Marine Invertebrates: Unknown
- Marine Conservation Area: None
- Management Actions: None

Sanwick Bay Saltmarsh Cluster
- Area: 14 ha
- Catchment: Swan – Apsley
- River Section: No data
- Local Council: Glamorgan - Spring Bay
- Land Tenure: Private Parcel
- Management Authority: Private land owner
- Coastcare Groups: Unidentified
- Land Disturbance – within: Old channel words, vehicle tracks
- Land Disturbance – adjacent: Backed by native vegetation
- Eutrophication: No data
- SLR Room to Move: Some room to move
- Bird Values: Moulting Lagoon IBA
- Flora Values: Unknown
- Marine Invertebrates: Unknown
- Marine Conservation Area: None
- Management Actions: None
2. GREAT OYSTER BAY COASTAL COMPLEX

**COMPLEX PROFILE**

- **Catchments:** Swan – Apsley and Little Swanport
- **Municipality:** Glamorgan Spring Bay
- **Saltmarsh Area:** 28 ha
- **Saltmarsh Clusters within the Complex:**
  - Lisdillon Saltmarsh Cluster (16 ha)
  - Buxton River Saltmarsh Cluster (8 ha)
  - Kelvedon Lagoon Saltmarsh Cluster (3 ha)
  - Meredith River Saltmarsh Cluster (1 ha)
  - Saltwater Creek Saltmarsh Site (0.2 ha)

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**Saltmarshes in the Great Oyster Bay Coastal Complex**

- **Area:** 28 ha
- **Catchment:** Swan – Apsley and Little Swanport
- **River Section:** Meredith River, Saltwater River, Kelvedon Creek, Buxton River, Lisdillon Rivulet
- **Local Council:** Glamorgan - Spring Bay
- **Land Tenure:** Private Parcel (about 25 ha), Informal Reserve, Authority Land
- **Management Authority:** Private land owners, DPIPWE (for remaining areas)
- **Coastcare Groups:** Swansea Tidy Towns
- **Land Disturbance – within:** Sheep grazing in parts, needs further evaluation
- **Land Disturbance – adjacent:** Lack of buffering vegetation
- **Eutrophication:** No data
- **SLR Room to Move:** No data
- **Bird Values:** Unknown
- **Flora Values:** Unknown
- **Marine Invertebrates:** Unknown
- **Marine Conservation Area:** None
- **Management Actions:** Planting buffer vegetation, fencing
3. LITTLE SWANPORT COASTAL COMPLEX

Little Swanport Saltmarsh Cluster

Area: 132 ha
Catchment: Little Swanport
River Section: Little Swanport River, Hutt Creek, Ravensdale Rivulet
Local Council: Glamorgan - Spring Bay
Land Tenure: Private Parcel (about 55 ha), Informal Reserve, Authority Land, Below High Water
Management Authority: Private land owners, DPIPWE (for remaining areas)
Coastcare Groups: Unidentified
Land Disturbance – within: Variable, needs evaluation
Land Disturbance – adjacent: Parts lacking buffer vegetation, western patch bordered by highway, weeds
Eutrophication: No data
SLR Room to Move: No data
Bird Values: Unknown
Flora Values: Unknown
Marine Invertebrates: Unknown
Marine Conservation Area: None
Management Actions: Extending buffer vegetation cover, weed management

COMPLEX PROFILE
Catchment: Little Swanport
Municipality: Glamorgan Spring Bay
Saltmarsh Area: 132 ha
Saltmarsh Clusters within the Complex: Little Swanport Saltmarsh Cluster (132 ha)
4. EAST COAST COASTAL COMPLEX

**Catchment**: Little Swanport and Prosser

**Municipality**: Glamorgan Spring Bay

**Saltmarsh Area**: 68 ha*

*This includes about 12 ha of wetland area behind Boltons Beach where brackish and freshwater wetland plant species dominate with saltmarsh plants co-occurring to a relatively small extent.

**Saltmarsh Clusters within the Complex**:

- Seabyrne Creek-Banwell Beach Saltmarsh Cluster (31 ha)
- Boltons Beach Saltmarsh Cluster (22 ha)
- Okehampton Bay Saltmarsh Site (6 ha)
- Eighty Acre Creek-Grindstone Bay Saltmarsh Cluster (5 ha)
- Okehampton Lagoon Saltmarsh Cluster (4 ha)
Boltons Beach Saltmarsh Cluster

Area: 22 ha  
Catchment: Little Swanport  
River Section: No data  
Local Council: Glamorgan - Spring Bay  
Land Tenure: Private Parcel (about 13 ha), Conservation Area (about 8 ha), Authority Land  
Management Authority: Private land owners, DPIPWE (for remaining areas)  
Coastcare Groups: Unidentified  
Land Disturbance – within: Vehicle tracks (on southern site), sheep grazing (on northern site), weeds  
Land Disturbance – adjacent: Parts lacking buffer vegetation, weeds  
Eutrophication: Thick algal mats suggesting nutrient loading within saltmarsh sites  
SLR Room to Move: No data  
Bird Values: Unknown  
Flora Values: Unknown  
Marine Invertebrates: Unknown  
Marine Conservation Area: None  
Management Actions: Extending buffer vegetation cover, weed management  

* Patches with the green boundary are freshwater wetlands with a small proportion of saltmarsh
5. SPRING BAY COASTAL COMPLEX

**COMPLEX PROFILE**

Catchment: Little Swanport and Prosser  
Municipality: Glamorgan Spring Bay  
Saltmarsh Area: 12 ha*  
*Small patches of fringing marshes on south-western section of Spring Bay not mapped.  
Saltmarsh Clusters within the Complex:  
Rostrevor Creek Saltmarsh Cluster (8 ha)  
MacLaines Creek Saltmarsh Cluster (4 ha)  
Recognised Values:  
Only place in the world where Baudin’s sea lavender (Limonium baudinii) is recorded

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**Rostrevor Creek Saltmarsh Cluster**  
Area: 8 ha  
Catchment: Prosser  
River Section: Bresnehnans and Rostrevor Creeks  
Local Council: Glamorgan - Spring Bay  
Land Tenure: Below High Water, Authority Land  
Management Authority: DPIPWE  
Coastcare Groups: Unidentified  
Land Disturbance – within: Minimal, none recorded  
Land Disturbance – adjacent: Lacking adequate buffer vegetation, weeds  
Eutrophication: Not recorded  
SLR Room to Move: No data  
Bird Values: Unknown  
Flora Values: Limonium recorded  
Marine Invertebrates: Unknown  
Marine Conservation Area: None  
Management Actions: Extending buffer vegetation cover, interpretation signage

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**MacLaines Creek Saltmarsh Cluster**  
Area: 4 ha  
Catchment: Prosser  
River Section: MacLaines Creek  
Local Council: Glamorgan - Spring Bay  
Land Tenure: Below High Water, Authority Land, Private Parcel  
Management Authority: DPIPWE, Private land owner  
Coastcare Groups: Unidentified  
Land Disturbance – within: Minimal, none recorded  
Land Disturbance – adjacent: Lacking adequate buffer vegetation, bordered by highway  
Eutrophication: Not recorded  
SLR Room to Move: No data  
Bird Values: Unknown  
Flora Values: Limonium recorded  
Marine Invertebrates: Unknown  
Marine Conservation Area: None  
Management Actions: Extending buffer vegetation cover, nutrient management

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**Complex Profile**

- **Catchment:** Little Swanport and Prosser  
- **Municipality:** Glamorgan Spring Bay  
- **Saltmarsh Area:** 12 ha*  
  *Small patches of fringing marshes on south-western section of Spring Bay not mapped.*

**Saltmarsh Clusters within the Complex:**
- **Rostrevor Creek Saltmarsh Cluster (8 ha)**
- **MacLaines Creek Saltmarsh Cluster (4 ha)**

**Recognised Values:**
- Only place in the world where Baudin’s sea lavender (Limonium baudinii) is recorded.

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**Rostrevor Creek Saltmarsh Cluster**

- **Area:** 8 ha  
- **Catchment:** Prosser  
- **River Section:** Bresnehnans and Rostrevor Creeks  
- **Local Council:** Glamorgan - Spring Bay  
- **Land Tenure:** Below High Water, Authority Land  
- **Management Authority:** DPIPWE  
- **Coastcare Groups:** Unidentified  
- **Land Disturbance – within:** Minimal, none recorded  
- **Land Disturbance – adjacent:** Lacking adequate buffer vegetation, weeds  
- **Eutrophication:** Not recorded  
- **SLR Room to Move:** No data  
- **Bird Values:** Unknown  
- **Flora Values:** Limonium recorded  
- **Marine Invertebrates:** Unknown  
- **Marine Conservation Area:** None  
- **Management Actions:** Extending buffer vegetation cover, interpretation signage

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**MacLaines Creek Saltmarsh Cluster**

- **Area:** 4 ha  
- **Catchment:** Prosser  
- **River Section:** MacLaines Creek  
- **Local Council:** Glamorgan - Spring Bay  
- **Land Tenure:** Below High Water, Authority Land, Private Parcel  
- **Management Authority:** DPIPWE, Private land owner  
- **Coastcare Groups:** Unidentified  
- **Land Disturbance – within:** Minimal, none recorded  
- **Land Disturbance – adjacent:** Lacking adequate buffer vegetation, bordered by highway  
- **Eutrophication:** Not recorded  
- **SLR Room to Move:** No data  
- **Bird Values:** Unknown  
- **Flora Values:** Limonium recorded  
- **Marine Invertebrates:** Unknown  
- **Marine Conservation Area:** None  
- **Management Actions:** Extending buffer vegetation cover, nutrient management
6. MERCURY PASSAGE COASTAL COMPLEX

**COMPLEX PROFILE**
- **Catchment:** Prosser and Maria
- **Municipality:** Glamorgan - Spring Bay
- **Saltmarsh Area:** 196 ha
- **Saltmarsh Clusters within the Complex:**
  - Earlham Lagoon Saltmarsh Cluster (163 ha)
  - Chinamans Bay Saltmarsh Cluster (20 ha)
  - Cockle Bay Lagoon Saltmarsh Cluster (13 ha)
- **Recognised Values:**
  - Earlham Lagoon identified as a marine invertebrate hotspot (assessed 1997)

**Earlham Lagoon Saltmarsh Cluster**
- **Area:** 163 ha
- **Catchment:** Prosser
- **River Section:** Sandspit River, Griffiths Rivulet
- **Local Council:** Glamorgan - Spring Bay
- **Land Tenure:** Private Reserve
- **Management Authority:** Private land owner, DPIWWE
- **Coastcare Groups:** Unidentified
- **Land Disturbance – within:** Minimal with some old channel works
- **Land Disturbance – adjacent:** Lacking adequate buffer vegetation
- **Eutrophication:** No data
- **SLR Room to Move:** No data
- **Bird Values:** Unknown
- **Flora Values:** Unknown
- **Marine Invertebrates:** Marine Invertebrate Hotspot
- **Marine Conservation Area:** None
- **Management Actions:** Extending buffer vegetation cover
7. BLACKMAN BAY COASTAL COMPLEX

**BLACKMAN RIVULET SALTMARSH CLUSTER**

**Marion Bay Back-Beach Saltmarsh Cluster**
- **Area:** 122 ha
- **Catchment:** Tasman
- **River Section:** Bream Creek, Sedbury Creek
- **Local Council:** Sorell
- **Land Tenure:** Private Parcel (about 75 ha), Private Reserve (about 40 ha), Authority Land
- **Management Authority:** Private land owner, DPIPWE
- **Coastcare Groups:** Marion Bay Coastcare Inc.
- **Land Disturbance – within:** Creek structures altered by channel works, parts cleared, cut by road
- **Land Disturbance – adjacent:** Lacking adequate buffer vegetation, parts bordered by road
- **Eutrophication:** No data
- **SLR Room to Move:** No data
- **Bird Values:** Part of Marion Bay IBA
- **Flora Values:** Unknown
- **Marine Invertebrates:** Unknown
- **Marine Conservation Area:** None
- **Management Actions:** Extending buffer vegetation cover, interpretation signage

**COMPLEX PROFILE**
- **Catchment:** Tasman
- **Municipality:** Tasman, Sorell
- **Saltmarsh Area:** 173 ha
- **Saltmarsh Clusters within the Complex:**
  - Marion Bay Back-Beach Saltmarsh Cluster (122 ha)
  - Blackman Bay Fringing Saltmarsh Cluster (32 ha)
  - Blackman Rivulet Saltmarsh Cluster (15 ha)
  - East Bay Saltmarsh Site (4 ha)
- **Recognised Values:**
  - Marion Bay Important Bird Area (assessed 2008)
  - Fringing Saltmarsh at Hildyard Point identified as a marine invertebrate hotspot (assessed 1997)
8. NORTH BAY COASTAL COMPLEX

**COMPLEX PROFILE**

- **Catchment:** Tasman
- **Municipality:** Tasman
- **Saltmarsh Area:** 9 ha

**Saltmarsh Clusters within the Complex:**
- Swan Lagoon Saltmarsh Cluster (9 ha)

**Recognised Values:**
- Marion Bay Important Bird Area (assessed 2008)
9. PORT ARTHUR COASTAL COMPLEX

COMPLEX PROFILE
Catchment: Tasman
Municipality: Tasman
Saltmarsh Area: 6 ha
Saltmarsh Clusters within the Complex:
This complex only contains one cluster the Safety Cove Saltmarsh Cluster (9 ha)
**10. WEDGE BAY COASTAL COMPLEX**

**COMPLEX PROFILE**

- **Catchment:** Tasman
- **Municipality:** Tasman
- **Saltmarsh Area:** 4 ha
- **Saltmarsh Clusters within the Complex:**
  - Cripps Creek - White Beach Saltmarsh Cluster (3 ha)
  - Parsons Bay Saltmarsh Cluster (1 ha)

**Parsons Bay, Cripps Creek – White Beach Saltmarsh Clusters**

- **Area:** 4 ha
- **Catchment:** Tasman
- **River Section:** Cripps Creek, Parsons Bay Creek, Suckling Creek
- **Local Council:** Tasman
- **Land Tenure:** Authority Land (3 ha), Informal Reserve (1 ha), Private Parcel
- **Management Authority:** DPIWES, Private land owner
- **Coastcare Groups:** Tasman Landcare Group Inc. & White Beach Landcare Group Inc.
- **Land Disturbance – within:** No data, needs evaluation
- **Land Disturbance – adjacent:** Some buffer vegetation present, parts adjacent to roads
- **Eutrophication:** No data
- **SLR Room to Move:** No data
- **Bird Values:** Unknown
- **Flora Values:** Unknown
- **Marine Invertebrates:** Unknown
- **Marine Conservation Area:** None
- **Management Actions:** None
11. NORFOLK BAY COASTAL COMPLEX

Saltwater River Saltmarsh Cluster
Area: 5 ha  
Catchment: Tasman  
River Section: Saltwater River  
Local Council: Tasman  
Land Tenure: Private Parcel (2 ha), Informal Reserve, Authority Land  
Management Authority: Private land owner, DPIPWE  
Coastcare Groups: Tasman Landcare Group Inc. & Saltwater River Coastcare Group  
Land Disturbance – within: Minimal, section on private land cleared and in poor condition  
Land Disturbance – adjacent: Lacking adequate buffer vegetation  
Eutrophication: No data  
SLR Room to Move: No data  
Bird Values: Unknown  
Flora Values: Limonium recorded  
Marine Invertebrates: Unknown  
Marine Conservation Area: None  
Management Actions: Extending buffer vegetation cover, interpretation signage

COMPLEX PROFILE
Catchment: Tasman  
Municipality: Tasman, Sorell  
Saltmarsh Area: 12 ha  
Saltmarsh Clusters within the Complex:  
Norfolk Bay Fringing Saltmarsh Cluster (6 ha)  
Saltwater River Saltmarsh Cluster (5 ha)  
Dunalley Bay Saltmarsh Cluster (0.5 ha)
12. FREDERICK HENRY BAY COASTAL COMPLEX

**COMPLEX PROFILE**

- **Catchment:** Tasman
- **Municipality:** Tasman
- **Saltmarsh Area:** 111 ha
- **Saltmarsh Clusters within the Complex:**
  - Burdens Marsh Saltmarsh Cluster (90 ha)
  - Sloping Lagoon Saltmarsh Site (21 ha)

**Burdens Marsh Saltmarsh Cluster**

- **Area:** 90 ha
- **Catchment:** Tasman
- **River Section:** No data
- **Local Council:** Tasman
- **Land Tenure:** Private Parcel
- **Management Authority:** Private land owner
- **Coastcare Groups:** Tasman Landcare Group Inc.
- **Land Disturbance – within:** Numerous channel works, large areas grazed
- **Land Disturbance – adjacent:** Lack of buffering vegetation, adjacent to agricultural land
- **Eutrophication:** No data
- **SLR Room to Move:** No data
- **Bird Values:** Unknown
- **Flora Values:** Unknown
- **Marine Invertebrates:** Unknown
- **Marine Conservation Area:** None
- **Management Actions:** Planting buffer vegetation, improving tidal flows, fencing

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**SLOPING LAGOON SALTMARSH SITE**
13. CARLTON RIVER COASTAL COMPLEX

**Primrose Sands Dune Barred Wetland Cluster**
- **Area:** 10 ha
- **Catchment:** Tasman
- **River Section:** None
- **Local Council:** Sorell
- **Land Tenure:** Private Parcel
- **Management Authority:** Private land owner
- **Coastcare Groups:** Southern Beaches Landcare and Coastcare Inc. & Primrose Sands Landcare Group
- **Land Disturbance – within:** Numerous weeds and vehicle tracks, area fractured by road
- **Land Disturbance – adjacent:** Lack of buffering vegetation in some areas, weeds, parts bordered by road
- **Eutrophication:** Areas affected by algal mats suggesting nutrient loading
- **SLR Room to Move:** Not applicable - land locked marsh
- **Bird Values:** Unknown
- **Flora Values:** Wilsonia rotundifolia and Cuscuta tasmanica recorded
- **Marine Invertebrates:** Unknown
- **Marine Conservation Area:** None
- **Management Actions:** Nutrient and weed management

**Carlton River Saltmarsh Cluster**
- **Area:** 36 ha
- **Catchment:** Tasman
- **River Section:** Carlton River
- **Local Council:** Sorell
- **Land Tenure:** Private Parcel (about 15 ha), Informal Reserve, Authority Land
- **Management Authority:** Private land owner, DPIFWE
- **Coastcare Groups:** Southern Beaches Landcare and Coastcare Inc. & Primrose Sands Landcare Group
- **Land Disturbance – within:** Minimal, road cuts through the two western sites
- **Land Disturbance – adjacent:** Lack of buffering vegetation in some areas, weeds, parts bordered by road
- **Eutrophication:** Extensive areas affected by algal mats suggesting heavy nutrient loading
- **SLR Room to Move:** Either backed by steep upland or with some room to move
- **Bird Values:** Unknown
- **Flora Values:** Unknown
- **Marine Invertebrates:** Unknown
- **Marine Conservation Area:** None
- **Management Actions:** Reducing nutrient inputs, interpretation signage

**COMPLEX PROFILE**
- **Catchment:** Tasman
- **Municipality:** Tasman
- **Saltmarsh Area:** 46 ha
- **Saltmarsh Clusters within the Complex:**
  - Carlton River Saltmarsh Cluster (36 ha)
  - Primrose Sands Dune Barred Wetland Cluster (10 ha)
14. PITT WATER-ORIELTON LAGOON COASTAL COMPLEX

COMPLEX PROFILE

**Catchment:** Pitt Water – Coal

**Municipality:** Clarence City, Sorell

**Saltmarsh Area:** 371 ha

**Saltmarsh Clusters within the Complex:**
- Coal River Saltmarsh Cluster (153 ha)
- Barilla Bay Saltmarsh Cluster (64 ha)
- Orielton Lagoon Saltmarsh Cluster (55 ha)
- Duckhole Rivulet Saltmarsh Cluster (35 ha)
- Hobart Airport Saltmarsh Cluster (25 ha)
- Pitt Water Fringing Saltmarsh Cluster (14 ha)
- Iron Creek Saltmarsh Cluster (12 ha)
-Unnamed Pitt Water Saltmarsh Cluster (5 ha)
- Sorell Rivulet Saltmarsh Cluster (3 ha)
- Cross Rivulet Saltmarsh Cluster (2 ha)
- Penna Beach Saltmarsh Cluster (0.5 ha)
- Hele Rivulet Saltmarsh Cluster (0.5 ha)
- China Creek Saltmarsh Site (0.2 ha)

**Recognised Values:**
- Pitt Water-Orielton Lagoon Ramsar Site (listed 1982)
- South Arm Important Bird Area (assessed 2008)
14A Barilla Bay and Hobart Airport Saltmarsh Clusters

**Barilla Bay Saltmarsh Cluster**

- **Area**: 64 ha
- **Catchment**: Pitt Water – Coal
- **River Section**: Barilla Rivulet
- **Local Council**: Clarence City
- **Land Tenure**: Private Reserve (35 ha), Nature Reserve (5 ha), Private Parcels (rest)
- **Management Authority**: Private land owner, DPIWE (for the reserves)
- **Coastcare Groups**: Unidentified
- **Land Disturbance – within**: Parts filled in, cleared and excluded from tidal flows, north-western site fractured by road
- **Land Disturbance – adjacent**: Lack of buffering vegetation, adjacent to an industrial area and roads
- **Eutrophication**: Large areas of algal mats suggesting heavy nutrient loading
- **SLR Room to Move**: Partly backed by steep upland, partly having some room to move
- **Bird Values**: Part of South Arm IBA
- **Flora Values**: Wilsonia humilis, Wilsonia rotundifolia and Limonium australe recorded
- **Marine Invertebrates**: Unknown
- **Marine Conservation Area**: None
- **Management Actions**: Reducing nutrient inputs, improving tidal flows, planting buffer vegetation

**Hobart Airport Saltmarsh Cluster**

- **Area**: 25 ha
- **Catchment**: Pitt Water – Coal
- **River Section**: None
- **Local Council**: Clarence City
- **Land Tenure**: Private Parcel (about 12 ha), Authority Land
- **Management Authority**: Private Land owner, Commonwealth of Australia
- **Coastcare Groups**: Unidentified
- **Land Disturbance – within**: Cluster area fractured by two roads, creek structure altered
- **Land Disturbance – adjacent**: Parts lack adequate buffering vegetation
- **Eutrophication**: Thick algal mats in the creek suggest nutrient loading
- **SLR Room to Move**: Sufficient room to move
- **Bird Values**: Part of South Arm IBA
- **Flora Values**: Unknown
- **Marine Invertebrates**: Unknown
- **Marine Conservation Area**: None
- **Management Actions**: Improving buffer vegetation cover
- **Management Actions**: Nutrient and weed management
14B Coal River and Duckhole Rivulet Saltmarsh Clusters

Coal River Saltmarsh Cluster
Area: 153 ha
Catchment: Pitt Water – Coal
River Section: Coal River
Local Council: Clarence City
Land Tenure: Private Reserve (12 ha), Nature Reserve (25 ha), Private Parcels (rest)
Management Authority: Private land owner, DPIPWE (for the reserves)
Coastcare Groups: Unidentified
Land Disturbance – within: Parts grazed, about 35-40 ha tidally excluded (parts filled in)
Land Disturbance – adjacent: Lack of buffering vegetation, adjacent to agricultural land
Eutrophication: Several areas of thick algal mats suggesting heavy nutrient loading
SLR Room to Move: Partly backed by steep upland, partly having some room to move
Bird Values: Unknown
Flora Values: Wilsonia humilis and Limonium australe recorded
Marine Invertebrates: Unknown
Marine Conservation Area: None
Management Actions: Fencing, reducing nutrient inputs, improving tidal flows, planting buffer vegetation

Duckhole Rivulet Saltmarsh Cluster
Area: 35 ha
Catchment: Pitt Water – Coal
River Section: Duckhole Rivulet, Malcolms Creek, Beibin Rivulet, Stony Creek
Local Council: Clarence City
Land Tenure: Private Parcels (about 25 ha); Authority Land and Nature Reserve (rest)
Management Authority: Private land owner, DPIPWE
Coastcare Groups: Unidentified
Land Disturbance – within: Parts to the south impacted by grazing
Land Disturbance – adjacent: Lack of adequate buffering vegetation, adjacent to agricultural land
Eutrophication: Several areas of thick algal mats suggesting heavy nutrient loading
SLR Room to Move: Mostly backed by steep upland
Bird Values: Unknown
Flora Values: Wilsonia humilis recorded, Calocephalous citreus on the landward buffer
Marine Invertebrates: Unknown
Marine Conservation Area: None
Management Actions: Reducing nutrient inputs, planting buffer vegetation, fencing
14C Orielton Lagoon and Iron Creek Saltmarsh Clusters

Orielton Lagoon Saltmarsh Cluster
- **Area:** 55 ha
- **Catchment:** Pitt Water – Coal
- **River Section:** Frogmore Creek, Orielton Rivulet
- **Local Council:** Sorell
- **Land Tenure:** Nature Reserve (about 40 ha), Private Parcel (rest)
- **Management Authority:** DPIPWE, Private land owners
- **Coastcare Groups:** Penna Landcare Group Inc.
- **Land Disturbance – within:** Parts grazed, parts filled in, Nature Reserve area recovering from historical degradation
- **Land Disturbance – adjacent:** Lack of buffering vegetation, adjacent to agricultural land and road
- **Eutrophication:** Thick algal mats in creek channels suggesting heavy nutrient loading
- **SLR Room to Move:** Sufficient room to move
- **Bird Values:** Part of South Arm IBA
- **Flora Values:** Wilsonia humilis recorded, Calocephalous citreus on the landward side
- **Marine Invertebrates:** Unknown
- **Marine Conservation Area:** None
- **Management Actions:** Fencing, reducing nutrient inputs, removing tidal barriers, planting buffer vegetation, nutrient management in Frogmore Creek, interpretation signage with boardwalk

Iron Creek Saltmarsh Cluster
- **Area:** 12 ha
- **Catchment:** Pitt Water – Coal
- **River Section:** Iron Creek
- **Local Council:** Sorell
- **Land Tenure:** Informal Reserve (about 7 ha), Private Parcel (rest)
- **Management Authority:** DPIPWE, Private land owners
- **Coastcare Groups:** Unidentified
- **Land Disturbance – within:** Parts lost to golf course development (south-east corner)
- **Land Disturbance – adjacent:** Lack of buffering vegetation, adjacent to agricultural land
- **Eutrophication:** Not recorded on sites to the west of the creek
- **SLR Room to Move:** Backed by steep upland, some room to move for one patch
- **Bird Values:** Part of South Arm IBA
- **Flora Values:** Wilsonia humilis recorded
- **Marine Invertebrates:** Unknown
- **Marine Conservation Area:** None
- **Management Actions:** Planting buffer vegetation
15. PIPE CLAY LAGOON COASTAL COMPLEX

COMPLEX PROFILE
Catchment: Derwent
Municipality: Clarence City
Saltmarsh Area: 45 ha
Saltmarsh Clusters within the Complex:
Pipe Clay Lagoon Saltmarsh Cluster (45 ha)
Recognised Values:
South Arm Important Bird Area (assessed 2008)

Pipe Clay Lagoon Saltmarsh Cluster
Area: 45 ha
Catchment: Derwent
River Section: None
Local Council: Clarence City
Land Tenure: Private Parcel (about 30 ha), Informal Reserve, Authority Land, Nature Reserve
Management Authority: Private land owner, DPIPWE (for the rest)
Coastcare Groups: Pipe Clay Lagoon Coastcare Inc.
Land Disturbance – within: Parts open to grazing, land filling, horse riding, dogs, cycling, walking tracks, large areas affected by roads (especially on the southern side)
Land Disturbance – adjacent: Lack of buffering vegetation, large areas bordered by road
Eutrophication: Algae recorded in parts
SLR Room to Move: Partly having sufficient room to move, partly having some room to move
Bird Values: Part of South Arm IBA
Flora Values: Unknown
Marine Invertebrates: Unknown
Marine Conservation Area: None
Management Actions: Planting buffer vegetation, fencing, interpretation signage
16. DERWENT ESTUARY COASTAL COMPLEX

COMPLEX PROFILE

**Catchment:** Derwent  
**Municipality:** Glenorchy City, Hobart City, Clarence City, Kingborough  
**Saltmarsh Area:** 173 ha

**Saltmarsh Clusters within the Complex:**  
- Ralphs Bay - Lauderdale Saltmarsh Cluster (84 ha)  
- Ralphs Bay - South Arm Saltmarsh Cluster (31 ha)  
- Calverts Lagoon Saltmarsh Cluster (30 ha)  
- Clear Lagoon Saltmarsh Site (12 ha)  
- Middle Derwent Estuary Fringing Marshes (8 ha)  
- Clarence Plains Rivulet Saltmarsh Cluster (3 ha)  
- Browns River Saltmarsh Cluster (2 ha)  
- Risdon Cove Saltmarsh Cluster (2 ha)  
- South Arm Beach Dune Barred Lagoon Saltmarsh Site (1 ha)

**Recognised Values:**  
- South Arm Important Bird Area (assessed 2008)  
- Fringing Saltmarsh at Old Beach identified as marine invertebrate hotspot (assessed 1997)
16A Middle Derwent Estuary Fringing Marshes and Risdon Cove Saltmarsh Cluster

Middle Derwent Estuary Fringing Marshes
Area: 8 ha
Catchment: Derwent
River Section: Derwent River, Humphrey Rivulet, Islet Rivulet, Faulkners Rivulet, Hilton Creek, Roseneath Rivulet
Local Council: Glenorchy City, Clarence City
Land Tenure: Authority Land, Conservation Area, Informal Reserve, State Reserve, Private Parcel
Management Authority: DPIPWE (for the reserves), Private land owners
Coastcare Groups: Unidentified
Land Disturbance – within: No data, needs evaluation
Land Disturbance – adjacent: Mainly lack of buffering vegetation, adjacent to roads
Eutrophication: No data
SLR Room to Move: Either having some room to move or fringing marsh
Bird Values: Unknown
Flora Values: Unknown
Marine Invertebrates: Marine Invertebrate Hotspot (Old Beach)
Marine Conservation Area: Parts associated with River Derwent Marine Conservation Area
Management Actions: Planting buffer vegetation, interpretation signage at Old Beach

Risdon Cove Saltmarsh Cluster
Area: 8 ha
Catchment: Derwent
River Section: Grasstree Hill Rivulet
Local Council: Clarence City
Land Tenure: Indigenous Protected Area
Management Authority: DPIPWE
Coastcare Groups: Unidentified
Land Disturbance – within: Minimal, none recorded
Land Disturbance – adjacent: Backed by road with no buffer zone
Eutrophication: Not recorded
SLR Room to Move: Either backed by steep upland or fringing marsh
Bird Values: Unknown
Flora Values: Unknown
Marine Invertebrates: Unknown
Marine Conservation Area: None
Management Actions: None
16B Ralphs Bay - Lauderdale and Clarence Plains Rivulet Saltmarsh Clusters

Clarence Plains Rivulet Saltmarsh Cluster
Area: 3 ha
Catchment: Derwent
River Section: Clarence Plains Rivulet
Local Council: Clarence City
Land Tenure: Private Parcel
Management Authority: Private land owner (with informal management agreement)
Coastcare Groups: Tramere - Clarence Plains Land & Coastcare Inc.
Land Disturbance – within: Some litter, old tyre tracks on the back marsh, few weeds
Land Disturbance – adjacent: Lack of adequate buffering vegetation
Eutrophication: Algal mats recorded suggesting some nutrient loading
SLR Room to Move: Sufficient room to move
Bird Values: Unknown
Flora Values: Vittadinia on nearby upland
Marine Invertebrates: Unknown
Marine Conservation Area: None
Management Actions: Improving buffer zone

Ralphs Bay - Lauderdale Saltmarsh Cluster
Area: 84 ha
Catchment: Derwent
River Section: Derwent River
Local Council: Clarence City
Land Tenure: Authority Land (83 ha), Conservation Area (1 ha)
Management Authority: Clarence City Council, DPIW
Coastcare Groups: Lauderdale Coastcare Group
Land Disturbance – within: Cluster split by highway, areas to the east affected by old Lauderdale tip and oval, littering, old tracks, and impeded tidal flows
Land Disturbance – adjacent: Mainly lack of adequate buffering vegetation, weeds
Eutrophication: Thick algal mats to the east of the highway suggesting heavy nutrient loading
SLR Room to Move: Either having some room to move or backed by steep upland
Bird Values: Unknown
Flora Values: Part of South Arm IBA
Marine Invertebrates: Unknown
Marine Conservation Area: Ralphs Bay Conservation Area
Management Actions: Improving tidal connectivity, weed management, interpretation signage with boardwalks
16C Ralphs Bay - South Arm and Browns River Saltmarsh Clusters

**Ralphs Bay - South Arm Saltmarsh Cluster**
- **Area:** 31 ha
- **Catchment:** Derwent
- **River Section:** None
- **Local Council:** Clarence City
- **Land Tenure:** Private Parcel (30 ha), Authority Land, Informal Reserve
- **Management Authority:** Private land owner, DPIPWE
- **Coastcare Groups:** South Arm Coastcare Group, Mortimer Bay Coastcare Group Inc.
- **Land Disturbance – within:** Land filling, roads cutting through marsh areas
- **Land Disturbance – adjacent:** Nearly half the extent lacking buffer vegetation, numerous weeds, bordered by roads
- **Eutrophication:** Algal mats recorded in parts
- **SLR Room to Move:** Sufficient room to move
- **Bird Values:** South Arm IBA
- **Flora Values:** Unknown
- **Marine Invertebrates:** Unknown
- **Marine Conservation Area:** South Arm Marine Conservation Area
- **Management Actions:** Improving buffer zone, weed management

**Browns River Saltmarsh Cluster**
- **Area:** 2 ha
- **Catchment:** Derwent
- **River Section:** Browns River
- **Local Council:** Kingborough
- **Land Tenure:** Private Reserve, Authority Land, Conservation Area
- **Management Authority:** Private land owner, DPIPWE
- **Coastcare Groups:** Kingston Beach Browns River Coastcare
- **Land Disturbance – within:** Minimal except for some trampling and littering
- **Land Disturbance – adjacent:** No buffer vegetation, backed by mowed lawn
- **Eutrophication:** No data
- **SLR Room to Move:** Sufficient room to move
- **Bird Values:** Unknown
- **Flora Values:** Unknown
- **Marine Invertebrates:** Unknown
- **Marine Conservation Area:** None
- **Management Actions:** Improving buffer zone, interpretation signage
17. NORTH WEST BAY COASTAL COMPLEX

**COMPLEX PROFILE**

- **Catchment:** Derwent
- **Municipality:** Kingborough
- **Saltmarsh Area:** 20 ha

**Saltmarsh Clusters within the Complex:**
- North West Bay River - Margate Rivulet Saltmarsh Cluster (15 ha)
- Coffee Creek - Howden Saltmarsh Cluster (2 ha)
- Snug River Saltmarsh Cluster (2 ha)
- Snug Bay - Snug Creek Saltmarsh Cluster (2 ha)
17A North West Bay River - Margate Rivulet and Coffee Creek - Howden Saltmarsh Clusters

**Coffee Creek - Howden Saltmarsh Cluster**
- **Area**: 2 ha
- **Catchment**: Derwent
- **River Section**: Coffee Creek
- **Local Council**: Kingborough
- **Land Tenure**: Informal Reserve
- **Management Authority**: DPIPWE
- **Coastcare Groups**: Howden Landcare Group
- **Land Disturbance – within**: Minimal, some weeds and litter recorded
- **Land Disturbance – adjacent**: Minimal, backed by native vegetation
- **Eutrophication**: Some algal mats suggesting nutrient loading
- **SLR Room to Move**: Backed by steep upland
- **Bird Values**: Unknown
- **Flora Values**: Unknown
- **Marine Invertebrates**: Unknown
- **Marine Conservation Area**: None
- **Management Actions**: Weed and litter management

**North West Bay River - Margate Rivulet Saltmarsh Cluster**
- **Area**: 15 ha
- **Catchment**: Derwent
- **River Section**: North West Bay River, Nierinna Creek, Morey Rivulet
- **Local Council**: Kingborough
- **Land Tenure**: Private Parcel (9 ha), Below High Water (5 ha), Authority Land
- **Management Authority**: Private land owner, DPIPWE (for the rest)
- **Coastcare Groups**: Inverawe Native Gardens
- **Land Disturbance – within**: Minimal to the north of river channel, no data for other sites
- **Land Disturbance – adjacent**: Mainly lack of buffering vegetation
- **Eutrophication**: No data
- **SLR Room to Move**: Either having sufficient room to move or island marsh
- **Bird Values**: Unknown
- **Flora Values**: Unknown
- **Marine Invertebrates**: Unknown
- **Marine Conservation Area**: None
- **Management Actions**: Planting buffer vegetation, interpretation signage
Mapping coastal saltmarshes in southern Tasmania

Snug River Saltmarsh Cluster

Area: 2 ha
Catchment: Derwent
River Section: Snug River
Local Council: Kingborough
Land Tenure: Private Parcel (1 ha), Informal Reserve
Management Authority: Private land owner, DPIPWE
Coastcare Groups: Snug Landcare Coastcare Inc.
Land Disturbance – within: Minimal except for a walking track
Land Disturbance – adjacent: Weeds and lack of buffer zone on landward margin
Eutrophication: Algae noted closer to the river channel
SLR Room to Move: Sufficient room to move
Bird Values: Unknown
Flora Values: Unknown
Marine Invertebrates: Unknown
Marine Conservation Area: None
Management Actions: Planting buffer vegetation, interpretation signage

Snug Bay - Snug Creek Saltmarsh Cluster

Area: 2 ha
Catchment: Derwent
River Section: Snug Creek
Local Council: Kingborough
Land Tenure: Private Parcel (1 ha), Informal Reserve
Management Authority: Private land owner, DPIPWE
Coastcare Groups: Friends of Coningham
Land Disturbance – within: Minimal, none recorded
Land Disturbance – adjacent: Minimal, backed by native vegetation buffer
Eutrophication: Not recorded
SLR Room to Move: Sufficient room to move
Bird Values: Unknown
Flora Values: Unknown
Marine Invertebrates: Unknown
Marine Conservation Area: None
Management Actions: None
18. HUON RIVER–PORT CYGNET COASTAL COMPLEX

**Complex Profile**

_Catchment:_ Huon  
_Municipality:_ Huon Valley  
_Saltmarsh Area:_ 255 ha

_Saltmarsh Clusters within the Complex:_  
-Huon River Marsh Cluster (212 ha)  
-Kermandie River Saltmarsh Cluster (17 ha)  
-Port Cygnet Saltmarsh Cluster (8 ha)  
-Nicholls Rivulet Saltmarsh Cluster (6 ha)  
-Castle Forbes Bay Saltmarsh Site (4 ha)  
-Gardners Bay Saltmarsh Cluster (4 ha)  
-Surges Bay Marsh Complex (1 ha)  
-Garden Island Creek Saltmarsh Cluster (0.5 ha)  
-Crowthers Bay Fringing Marsh Cluster (0.5 ha)  
-Waterloo Bay Saltmarsh Cluster (0.5 ha)  
-Forsters Rivulet Saltmarsh Cluster (0.5 ha)  
-Lasts Creek Saltmarsh Cluster (0.1 ha)

_Recognised Values:_  
-Egg Islands (Huon Estuary) Important Bird Area (assessed 2008)
18A Huon River Marsh Cluster

Area: 212 ha
Catchment: Huon
River Section: Huon River
Local Council: Huon Valley
Land Tenure: Authority Land (117 ha), Private Parcel (about 40 ha), Informal Reserve (about 30 ha), Conservation Area (about 30 ha), Private Reserve (7 ha)
Management Authority: Private land owner, TLC (Private Reserve), DPIPWE (for the rest)
Coastcare Groups: Huonville Landcare Group, Tasmanian Land Conservancy
Land Disturbance – within: Variable, needs further evaluation
Land Disturbance – adjacent: Variable, needs further evaluation
Eutrophication: No data
SLR Room to Move: Mostly sufficient room to move
Bird Values: Egg Islands (Huon Estuary) IBA
Flora Values: Unknown
Marine Invertebrates: Unknown
Marine Conservation Area: Huon Estuary Marine Conservation Area
Management Actions: None
18B Castle Forbes Bay Saltmarsh Site and Kermandie River Saltmarsh Cluster

**Castle Forbes Bay Saltmarsh Site**
- Area: 4 ha
- Catchment: Huon
- River Section: Castle Forbes Rivulet, Huon River
- Local Council: Huon Valley
- Land Tenure: Private Parcel (about 3 ha), Informal Reserve
- Management Authority: Private land owner, DPIW
- Coastcare Groups: Castle Forbes Bay Landcare and Coastcare Group
- Land Disturbance – within: Minimal, none recorded to the north of the rivulet
- Land Disturbance – adjacent: No backing vegetation, bordered by highway and agricultural land
- Eutrophication: No data
- SLR Room to Move: Sufficient room to move
- Bird Values: Unknown
- Flora Values: Unknown
- Marine Invertebrates: Unknown
- Marine Conservation Area: None
- Management Actions: Planting buffer vegetation

**Kermandie River Saltmarsh Cluster**
- Area: 17 ha
- Catchment: Huon
- River Section: Kermandie River, Crookes Rivulet, Rileys Creek, Huon River
- Local Council: Huon Valley
- Land Tenure: Informal Reserve (14 ha), Private Parcel, Authority Land
- Management Authority: Private land owner, DPIW
- Coastcare Groups: Unidentified
- Land Disturbance – within: Minimal except for old channel works
- Land Disturbance – adjacent: Site to the west bordered by highway
- Eutrophication: Not recorded
- SLR Room to Move: Some room to move
- Bird Values: Unknown
- Flora Values: Unknown
- Marine Invertebrates: Unknown
- Marine Conservation Area: None
- Management Actions: None
Port Cygnet Saltmarsh Cluster
Area: 8 ha
Catchment: Huon
River Section: Supplices Creek, Golden Valley Creek, Galleries Creek
Local Council: Huon Valley
Land Tenure: Conservation Area (4 ha), Authority Land (4 ha)
Management Authority: DPIPWE, Huon Valley Council
Coastcare Groups: Port Cygnet Landcare and Watercare Group
Land Disturbance – within: Minimal, some litter recorded
Land Disturbance – adjacent: Minimal backing vegetation, bordered by road
Eutrophication: Not recorded
SLR Room to Move: Some room to move
Bird Values: Unknown
Flora Values: Unknown
Marine Invertebrates: Unknown
Marine Conservation Area: Port Cygnet Marine Conservation Area
Management Actions: Improving buffer zone, interpretation signage

Nicholls Rivulet, Gardners Bay Saltmarsh Clusters
Area: 10 ha
Catchment: Huon
River Section: Nicholls Rivulet, Gardners Creek, Holloways Creek
Local Council: Huon Valley
Land Tenure: Private Parcel, Authority Land (4 ha), Conservation Area
Management Authority: Private land owners, DPIPWE
Coastcare Groups: Port Cygnet Landcare and Watercare Group
Land Disturbance – within: Minimal, with numerous weeds in southern most site
Land Disturbance – adjacent: Backed by some vegetation, with numerous weeds
Eutrophication: Not recorded
SLR Room to Move: Some room to move
Bird Values: Unknown
Flora Values: Unknown
Marine Invertebrates: Unknown
Marine Conservation Area: Port Cygnet Marine Conservation Area
Management Actions: Weed management, improving buffer zone
**19. D’ENTRECASTEAUX CHANNEL COASTAL COMPLEX**

**COMPLEX PROFILE**
- **Catchment:** Huon, Derwent and Bruny
- **Municipality:** Huon Valley, Kingborough
- **Saltmarsh Area:** 47 ha
- **Saltmarsh Clusters within the Complex:**
  - Simpsons Bay - Lutregala Marsh Cluster (40 ha)
  - Adams Bay Saltmarsh Cluster (4 ha)
  - Oyster Cove Saltmarsh Cluster (1 ha)
  - Ford Bay Saltmarsh Cluster (1 ha)
  - Three Hut Point Saltmarsh Site (0.5 ha)
  - Little Oyster Cove Creek Saltmarsh Cluster (0.1 ha)
  - Masons Creek Saltmarsh Cluster (0.1 ha)
  - Schemers Creek Saltmarsh Site (0.1 ha)
  - Roaring Bay Beach Saltmarsh Site (0.1 ha)
- **Recognised Values:**
  - Bruny Island Important Bird Area (assessed 2008)
  - Lutregala Marsh identified as a marine invertebrate hotspot (assessed 1997)

**Simpsons Bay - Lutregala Marsh Cluster**
- **Area:** 40 ha
- **Catchment:** Bruny
- **River Section:** Simpsons Creek
- **Local Council:** Kingborough
- **Land Tenure:** Private Reserve
- **Management Authority:** Tasmanian Land Conservancy
- **Coastcare Groups:** Bruny Island Environment Network & Tasmanian Land Conservancy
- **Land Disturbance – within:** Minimal, but history of land clearing noticeable
- **Land Disturbance – adjacent:** Largely backed by native vegetation in good condition
- **Eutrophication:** Not recorded
- **SLR Room to Move:** Sufficient room to move
- **Bird Values:** Bruny Island IBA
- **Flora Values:** Unknown
- **Marine Invertebrates:** Marine Invertebrate Hotspot
- **Marine Conservation Area:** None
- **Management Actions:** Extending buffer vegetation cover on western and southern edges
20. CLOUDY BAY COASTAL COMPLEX

Cloudy Bay Saltmarsh Cluster
Area: 51 ha
Catchment: Bruny
River Section: Sainty’s Creek, Jack Jones Creek
Local Council: Kingborough
Land Tenure: Private Parcel (about 10 ha), Informal Reserve, Authority Land
Management Authority: Private land owner, DPIWE (for the rest)
Coastcare Groups: Bruny Island Environment Network
Land Disturbance – within: Minimal except for private access tracks
Land Disturbance – adjacent: Backed by native vegetation in good condition
Eutrophication: Areas affected by algal mats suggesting nutrient loading
SLR Room to Move: No data
Bird Values: Bruny Island IBA
Flora Values: Unknown
Marine Invertebrates: Unknown
Marine Conservation Area: Cloudy Bay Lagoon Marine Conservation Area
Management Actions: None

COMPLEX PROFILE
Catchment: Bruny
Municipality: Kingborough
Saltmarsh Area: 51 ha
Saltmarsh Clusters within the Complex:
Cloudy Bay Saltmarsh Cluster (51 ha)
Recognised Values:
Bruny Island Important Bird Area (assessed 2008)
21. PORT ESPERANCE COASTAL COMPLEX

**Esperence River Saltmarsh Cluster**

- **Area:** 13 ha
- **Catchment:** Huon
- **River Section:** Esperence River
- **Local Council:** Huon Valley
- **Land Tenure:** Authority Land (about 8 ha), Informal Reserve, Below High Water
- **Management Authority:** DPIW
- **Coastcare Groups:** Port Esperance Coastcare Group
- **Land Disturbance – within:** Minimal, none recorded
- **Land Disturbance – adjacent:** Mostly island marshes, else some buffer vegetation present, western site bordered by highway
- **Eutrophication:** Not recorded
- **SLR Room to Move:** No data
- **Bird Values:** Unknown
- **Flora Values:** Unknown
- **Marine Invertebrates:** Unknown
- **Marine Conservation Area:** None
- **Management Actions:** Interpretation signage

**COMPLEX PROFILE**

- **Catchment:** Huon
- **Municipality:** Huon Valley
- **Saltmarsh Area:** 16 ha
- **Saltmarsh Clusters within the Complex:**
  - Esperence River Saltmarsh Cluster (13 ha)
  - Chale Bay Saltmarsh Cluster (3 ha)
  - Bells Lagoon Saltmarsh Cluster (0.2 ha)
22. SOUTHPORT COASTAL COMPLEX

Lune River Saltmarsh Cluster

Area: 23 ha
Catchment: Huon
River Section: Lune River
Local Council: Huon Valley
Land Tenure: Informal Reserve/Authority Land (22 ha), Below High Water, Private Parcel (0.3 ha)
Management Authority: DPIPWE, Private land owner
Coastcare Groups: Unidentified
Land Disturbance – within: No data, disturbance unlikely due to remoteness
Land Disturbance – adjacent: Backed by native vegetation
Eutrophication: No data
SLR Room to Move: No data
Bird Values: Unknown
Flora Values: Unknown
Marine Invertebrates: Unknown
Marine Conservation Area: None
Management Actions: None

COMPLEX PROFILE

Catchment: Huon
Municipality: Huon Valley
Saltmarsh Area: 32 ha
Saltmarsh Clusters within the Complex:
Lune River Saltmarsh Cluster (23 ha)
Hastings Bay Saltmarsh Site (7 ha)
Ida Bay Saltmarsh Site (2 ha)
Southport Lagoon Coastal Complex

Catchment: Huon
Municipality: Huon Valley
Saltmarsh Area: 8 ha

Saltmarsh Clusters within the Complex:
Southport Lagoon Saltmarsh Cluster (8 ha)

COMPLEX PROFILE

Catchment: Huon
Municipality: Huon Valley
Saltmarsh Area: 8 ha
Saltmarsh Clusters within the Complex:
Southport Lagoon Saltmarsh Cluster (8 ha)

Southport Lagoon Saltmarsh Cluster

Area: 8 ha
Catchment: Huon
River Section: None
Local Council: Huon Valley
Land Tenure: Conservation Area
Management Authority: DPIPWE
Coastcare Groups: Unidentified
Land Disturbance – within: No data, disturbance unlikely due to remoteness
Land Disturbance – adjacent: Backed by native vegetation
Eutrophication: No data
SLR Room to Move: No data
Bird Values: Unknown
Flora Values: Unknown
Marine Invertebrates: Unknown
Marine Conservation Area: Southport Lagoon Conservation Area
Management Actions: None
24. RECHERCHE BAY COASTAL COMPLEX

COMPLEX PROFILE
Catchment: Huon
Municipality: Huon Valley
Saltmarsh Area: 6 ha
Saltmarsh Clusters within the Complex:
Cockle Creek Saltmarsh Cluster (4 ha)
D’Entrecasteaux River Saltmarsh Cluster (2 ha)
Recognised Values:
Cockle Creek identified as a marine invertebrate hotspot (assessed 1997)

Cockle Creek Saltmarsh Cluster
Area: 4 ha
Catchment: Huon
River Section: Cockle Creek
Local Council: Huon Valley
Land Tenure: National Park
Management Authority: DPIW
Coastcare Groups: Unidentified
Land Disturbance – within: No data, disturbance unlikely due to remoteness
Land Disturbance – adjacent: Backed by native vegetation
Eutrophication: No data
SLR Room to Move: No data
Bird Values: Unknown
Flora Values: Unknown
Marine Invertebrates: Marine Invertebrate Hotspot
Marine Conservation Area: None
Management Actions: None
Iron Creek saltmarsh forming a sand spit as part of the Pitt Water Orielton Lagoon. Photo Vishnu Prahalad.