



DEPARTMENT *of*
PRIMARY INDUSTRIES,
WATER *and* ENVIRONMENT

Tasmania

Marine Farming Development Plan

Pitt Water

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Prepared by the Food, Agriculture & Fisheries Division, Department of
Primary Industries, Water and Environment, Tasmania

The Crown in right of the State of Tasmania gives no warranty, either express or implied, that the marine farming zones identified in this marine farming development plan are suitable for marine farming activities.

Persons considering marine farming within a zone contained within this plan are solely responsible for establishing the suitability or otherwise of the zone for that purpose.

CAUTION: The maps shown throughout this document are not to be used for navigation. For navigation purposes appropriate hydrographic charts should be used. The coastline detail shown is reproduced from a 1:25000 scale giving a horizontal accuracy within 12.5 metres of true position.

MARINE FARMING DEVELOPMENT PLAN

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Marine Farming Development Plan

1 - Plan area

Pitt Water Estuary is situated on the south east coast of Tasmania, centred on 42° 48' south 147° 30' east. The area is approximately 20 km from the city of Hobart, the State's capital city, a journey of approximately 25 minutes. The area is also only 10 minutes drive from the Hobart Airport.

The area covered by this Plan consists of all that area within the Pitt Water Estuary to the high water mark beginning from the north at an imaginary line drawn between Lands End and Horatio Point (including Barrilla Bay) and finishing at the mouth of the Estuary at an imaginary line between Sandy Point and the point to the south of Okines Beach, including Iron Creek Bay but excluding Orielson Lagoon. *Map 1.1* shows the plan area.

For the purposes of this Plan the area has been divided into two main sections defined below.

- **Upper Pitt Water** - beginning from the north at an imaginary line drawn between Lands End and Horatio Point (including Barrilla Bay) and finishing to the east at the Sorell Causeway running from Pitt Water Bluff to Midway Point, with an approximate area of 1758 hectares.
- **Lower Pitt Water** - beginning from the north at the Sorell Causeways thence south, excluding Orielson Lagoon, including Iron Creek Bay and finishing at the mouth of the Estuary at Sandy Point, with an approximate area of 2392 hectares.

2 – Marine Farming Zones

The following Table summarises the zones identified in the Pitt Water Marine Farming Development Plan.

| Zone | Category of fish allowed for culture | Zone Area (ha) | Proposed maximum leasable area (ha) |
|--------------|--------------------------------------|----------------|-------------------------------------|
| 1 | Shellfish, Seaweed | 12.86 | 83.19* |
| 2 | Shellfish, Seaweed | 402.20 | |
| 3 | Shellfish, Seaweed | 9.50 | |
| 4 | Shellfish, Seaweed | 37.53 | 20 |
| 5 | Shellfish, Seaweed | 80.12 | 30 |
| Total | | 542.21 | 133.19 |

*Indicates a combined maximum leasable area for zones 1, 2 and 3

The following information describes the individual marine farming zones identified by the Pitt Water Marine Farming Development Plan January 2001.

Map 2.1 at the end of this section shows the marine farming zones in the context of the Pitt Water Estuary (1:100 000 scale). *Map 2.2* and *Map 2.3* show the locations of the zones in greater detail (1:50 000 scale).

2.1 Zone 1

2.1.1 Location

Zone 1 is located in the northern region of Upper Pitt Water, 1300 metres south of Horatio Point and 130 metres to the north of Zone 2.

Zone 1 consists of all that area bounded by a line being from points defined by AMG coordinates:

| | Easting | Northing | Latitude | Longitude | |
|---|-------------|--------------|-----------------------------|------------------------------|-----------|
| a | E 537197.71 | N 5261784.93 | (42 ^o 47.72592 S | 147 ^o 27.29154 E) | thence to |
| b | E 537181.82 | N 5261676.41 | (42 ^o 47.78460 S | 147 ^o 27.28032 E) | thence to |
| c | E 537244.33 | N 5261538.94 | (42 ^o 47.85870 S | 147 ^o 27.32670 E) | thence to |
| d | E 537328.48 | N 5261441.01 | (42 ^o 47.91132 S | 147 ^o 27.38886 E) | thence to |
| e | E 537428.95 | N 5261382.51 | (42 ^o 47.94264 S | 147 ^o 27.46278 E) | thence to |
| f | E 537541.73 | N 5261373.12 | (42 ^o 47.94738 S | 147 ^o 27.54558 E) | thence to |
| g | E 537272.98 | N 5261904.66 | (42 ^o 47.66100 S | 147 ^o 27.34626 E) | thence to |
| h | E 537698.23 | N 5261398.72 | (42 ^o 47.93310 S | 147 ^o 27.66030 E) | thence to |
| a | E 537197.71 | N 5261784.93 | (42 ^o 47.72592 S | 147 ^o 27.29154 E) | |

Australian Mapping Grid (AMG)
Zone 55 Coordinates

2.1.2 Zone area

The area of Zone 1 is approximately 12.86 hectares.

2.1.3 Maximum leasable area

The combined maximum leasable area within Zone 1, 2 and 3 is 83.19 hectares.

2.1.4 Category of fish

The category of fish allowed for culture within Zone 1 will be shellfish and seaweeds.

2.1.5 Management controls

The management controls for Zone 1 are prescribed in *Section 3 – Management Controls* of this Plan.

2.1.6 Special provisions

- (a) Subject to the provisions of the *Marine Farming Planning Act 1995* it is the planning intention to provide for the relocation of a total of 2.5 hectares of the area prescribed by marine farming lease number 79 currently located within zones 1 and 2 to an area within Zone 4 located in Lower Pitt Water bounded by a line being from points defined by AMG coordinates:

| | Easting | Northing | Latitude | Longitude | |
|----|-------------|--------------|-----------------------------|------------------------------|-----------|
| 6 | E 545829.93 | N 5258838.88 | (42 ^o 49.28958 S | 147 ^o 33.63900 E) | thence to |
| 7 | E 545893.66 | N 5258939.24 | (42 ^o 49.23510 S | 147 ^o 33.68526 E) | thence to |
| 8 | E 546033.64 | N 5259024.61 | (42 ^o 49.18848 S | 147 ^o 33.78762 E) | thence to |
| 9 | E 546091.19 | N 5258920.96 | (42 ^o 49.24428 S | 147 ^o 33.83034 E) | thence to |
| 10 | E 545956.54 | N 5258841.81 | (42 ^o 49.28754 S | 147 ^o 33.73188 E) | thence to |
| 6 | E 545829.93 | N 5258838.88 | (42 ^o 49.28958 S | 147 ^o 33.63900 E) | |

Australian Mapping Grid (AMG)
Zone 55 Coordinates

Map 2.2 shows Zone 1.

2.2 Zone 2

2.2.1 Location

Zone 2 is located in Upper Pitt Water and begins at Barilla Bay running north-west for approximately 4.2 km, adjacent to the western most coastline of the area.

Zone 2 consists of all that area bounded by a line being from points defined by AMG coordinates and bounded by the natural high water mark between coordinates "i" and "p" from a point where a line drawn between "i" and "j" intersects the natural high water mark and at a point where a line drawn between "o" and "p" intersects the natural high water mark.

| | Easting | Northing | Latitude | Longitude | |
|---|-------------|--------------|-----------------------------|------------------------------|-----------|
| i | E 537036.23 | N 5260975.07 | (42 ^o 48.16394 S | 147 ^o 27.17624 E) | thence to |
| j | E 537785.18 | N 5261298.52 | (42 ^o 47.98698 S | 147 ^o 27.72450 E) | thence to |
| k | E 538648.12 | N 5261234.46 | (42 ^o 48.01902 S | 147 ^o 28.35792 E) | thence to |
| l | E 539681.23 | N 5260576.92 | (42 ^o 48.37110 S | 147 ^o 29.11872 E) | thence to |
| m | E 540774.24 | N 5259783.59 | (42 ^o 48.7963 S | 147 ^o 29.9242 E) | thence to |
| n | E 540873.32 | N 5259200.16 | (42 ^o 49.1112 S | 147 ^o 29.9994 E) | thence to |
| o | E 540588.53 | N 5258686.57 | (42 ^o 49.38960 S | 147 ^o 29.79264 E) | thence to |
| p | E 539558.82 | N 5260201.69 | (42 ^o 48.57424 S | 147 ^o 29.03045 E) | |

Australian Mapping Grid (AMG)
Zone 55 Coordinates

2.2.2 Zone area

The area of Zone 2 is approximately 402.20 hectares.

2.2.3 Maximum leasable area

The combined maximum leasable area within Zone 1, 2 and 3 is 83.19 hectares.

2.2.4 Category of fish

The category of fish allowed for culture within Zone 2 will be shellfish and seaweeds.

2.2.5 Management controls

The management controls for Zone 2 are prescribed in *Section 3 – Management Controls* of this Plan.

2.2.6 Special provisions

Subject to the provisions of the *Marine Farming Planning Act 1995* it is the planning intention to provide for the relocation of:

- (a) A total of 2.5 hectares of the area prescribed by marine farming lease number 79 currently located within zones 1 and 2, to an area within Zone 4 located in Lower Pitt Water bounded by a line being from points defined by AMG coordinates:

| | Easting | Northing | Latitude | Longitude | |
|----|-------------|--------------|-----------------------------|------------------------------|-----------|
| 6 | E 545829.93 | N 5258838.88 | (42 ^o 49.28958 S | 147 ^o 33.63900 E) | thence to |
| 7 | E 545893.66 | N 5258939.24 | (42 ^o 49.23510 S | 147 ^o 33.68526 E) | thence to |
| 8 | E 546033.64 | N 5259024.61 | (42 ^o 49.18848 S | 147 ^o 33.78762 E) | thence to |
| 9 | E 546091.19 | N 5258920.96 | (42 ^o 49.24428 S | 147 ^o 33.83034 E) | thence to |
| 10 | E 545956.54 | N 5258841.81 | (42 ^o 49.28754 S | 147 ^o 33.73188 E) | thence to |
| 6 | E 545829.93 | N 5258838.88 | (42 ^o 49.28958 S | 147 ^o 33.63900 E) | |

Australian Mapping Grid (AMG)
Zone 55 Coordinates

- (b) A total of 2.5 hectares of the area prescribed by marine farming lease number 48 currently located within Zone 2 to an area within Zone 4 located in Lower Pitt Water bounded by a line being from points defined by AMG coordinates:

| | Easting | Northing | Latitude | Longitude | |
|----|-------------|--------------|-----------------------------|------------------------------|-----------|
| 16 | E 546315.46 | N 5258741.27 | (42 ^o 49.34058 S | 147 ^o 33.99582 E) | thence to |
| 17 | E 546356.89 | N 5258881.77 | (42 ^o 49.26450 S | 147 ^o 34.02552 E) | thence to |
| 18 | E 546480.07 | N 5258920.62 | (42 ^o 49.24308 S | 147 ^o 34.11576 E) | thence to |
| 19 | E 546559.04 | N 5258798.02 | (42 ^o 49.30902 S | 147 ^o 34.17432 E) | thence to |
| 16 | E 546315.46 | N 5258741.27 | (42 ^o 49.34058 S | 147 ^o 33.99582 E) | |

Australian Mapping Grid (AMG)
Zone 55 Coordinates

- (c) A total of 2.5 hectares of the area prescribed by marine farming lease number 48 currently located within Zone 2 to an area within Zone 5 located in Lower Pitt Water bounded by a line being from points defined by AMG coordinates:

| | Easting | Northing | Latitude | Longitude | |
|----|-------------|--------------|-----------------------------|------------------------------|-----------|
| 20 | E 547302.13 | N 5259910.28 | (42 ^o 48.70530 S | 147 ^o 34.71414 E) | thence to |
| 21 | E 547407.49 | N 5259834.48 | (42 ^o 48.74586 S | 147 ^o 34.79184 E) | thence to |
| 22 | E 547413.98 | N 5259601.63 | (42 ^o 48.87168 S | 147 ^o 34.79778 E) | thence to |
| 23 | E 547305.62 | N 5259668.22 | (42 ^o 48.83610 S | 147 ^o 34.71792 E) | thence to |
| 20 | E 547302.13 | N 5259910.28 | (42 ^o 48.70530 S | 147 ^o 34.71414 E) | |

Australian Mapping Grid (AMG)
Zone 55 Coordinates

- (d) A total of 2.5 hectares of the area prescribed by marine farming lease number 46 currently located within Zone 2 to an area within Zone 4 located in Lower Pitt Water bounded by a line being from points defined by AMG coordinates:

| | Easting | Northing | Latitude | Longitude | |
|----|-------------|--------------|-----------------------------|------------------------------|-----------|
| 11 | E 546047.25 | N 5258785.35 | (42 ^o 49.31772 S | 147 ^o 33.79878 E) | thence to |
| 12 | E 546110.98 | N 5258885.71 | (42 ^o 49.26324 S | 147 ^o 33.84504 E) | thence to |
| 13 | E 546250.96 | N 5258971.09 | (42 ^o 49.21662 S | 147 ^o 33.94734 E) | thence to |
| 14 | E 546308.51 | N 5258867.43 | (42 ^o 49.27242 S | 147 ^o 33.99012 E) | thence to |
| 15 | E 546173.86 | N 5258788.28 | (42 ^o 49.31568 S | 147 ^o 33.89166 E) | thence to |
| 11 | E 546047.25 | N 5258785.35 | (42 ^o 49.31772 S | 147 ^o 33.79878 E) | |

Australian Mapping Grid (AMG)
Zone 55 Coordinates

- (e) A total of 2.5 hectares of the area prescribed by marine farming lease number 46 currently located within Zone 2 to an area within Zone 5 located in Lower Pitt Water bounded by a line being from points defined by AMG coordinates:

| | Easting | Northing | Latitude | Longitude | |
|----|-------------|--------------|-----------------------------|------------------------------|-----------|
| 32 | E 547766.73 | N 5259631.63 | (42 ^o 48.85416 S | 147 ^o 35.05650 E) | thence to |
| 33 | E 547872.08 | N 5259555.84 | (42 ^o 48.89472 S | 147 ^o 35.13420 E) | thence to |
| 34 | E 547878.58 | N 5259322.99 | (42 ^o 49.02048 S | 147 ^o 35.14014 E) | thence to |
| 35 | E 547770.21 | N 5259389.57 | (42 ^o 48.98490 S | 147 ^o 35.06028 E) | thence to |
| 32 | E 547766.73 | N 5259631.63 | (42 ^o 48.85416 S | 147 ^o 35.0565 E) | |

Australian Mapping Grid (AMG)
Zone 55 Coordinates

- (f) A total of 2.5 hectares of the area prescribed by marine farming lease number 47 currently located within Zone 2 to an area within Zone 4 located in Lower Pitt Water bounded by a line being from points defined by AMG coordinates:

| | Easting | Northing | Latitude | Longitude | |
|---|-------------|--------------|-----------------------------|------------------------------|-----------|
| 1 | E 545632.74 | N 5259046.28 | (42 ^o 49.17822 S | 147 ^o 33.49326 E) | thence to |
| 2 | E 545801.88 | N 5259064.98 | (42 ^o 49.16754 S | 147 ^o 33.61728 E) | thence to |
| 3 | E 545865.66 | N 5258976.71 | (42 ^o 49.21500 S | 147 ^o 33.66456 E) | thence to |
| 4 | E 545748.38 | N 5258910.84 | (42 ^o 49.25100 S | 147 ^o 33.57876 E) | thence to |
| 5 | E 545630.43 | N 5258958.88 | (42 ^o 49.22544 S | 147 ^o 33.49200 E) | thence to |
| 1 | E 545632.74 | N 5259046.28 | (42 ^o 49.17822 S | 147 ^o 33.49326 E) | thence to |

Australian Mapping Grid (AMG)
Zone 55 Coordinates

Section 2: Marine Farming Zones

- (g) A total of 2.5 hectares of the area prescribed by marine farming lease number 47 currently located within Zone 2 to an area within Zone 5 located in Lower Pitt Water bounded by a line being from points defined by AMG coordinates:

| | Easting | Northing | Latitude | Longitude | |
|----|-------------|--------------|-----------------------------|------------------------------|-----------|
| 28 | E 547614.06 | N 5259721.06 | (42 ^o 48.80640 S | 147 ^o 34.94400 E) | thence to |
| 29 | E 547719.42 | N 5259645.26 | (42 ^o 48.84696 S | 147 ^o 35.02170 E) | thence to |
| 30 | E 547725.92 | N 5259412.41 | (42 ^o 48.97272 S | 147 ^o 35.02764 E) | thence to |
| 31 | E 547617.55 | N 5259478.99 | (42 ^o 48.93720 S | 147 ^o 34.94778 E) | thence to |
| 28 | E 547614.06 | N 5259721.06 | (42 ^o 48.80640 S | 147 ^o 34.94400 E) | thence to |

Australian Mapping Grid (AMG)
Zone 55 Coordinates

- (h) A total of 2.5 hectares of the area prescribed by marine farming lease number 81 currently located within Zone 2 to an area within Zone 5 located in Lower Pitt Water bounded by a line being from points defined by AMG coordinates:

| | Easting | Northing | Latitude | Longitude | |
|----|-------------|--------------|-----------------------------|------------------------------|-----------|
| 24 | E 547454.89 | N 5259816.66 | (42 ^o 48.75534 S | 147 ^o 34.82670 E) | thence to |
| 25 | E 547560.25 | N 5259740.86 | (42 ^o 48.79590 S | 147 ^o 34.90440 E) | thence to |
| 26 | E 547566.75 | N 5259508.01 | (42 ^o 48.92166 S | 147 ^o 34.91034 E) | thence to |
| 27 | E 547458.38 | N 5259574.59 | (42 ^o 48.88614 S | 147 ^o 34.83048 E) | thence to |
| 24 | E 547454.89 | N 5259816.66 | (42 ^o 48.75534 S | 147 ^o 34.82670 E) | |

Australian Mapping Grid (AMG)
Zone 55 Coordinates

- (i) A total of 5 hectares of the area prescribed by marine farming lease number 1 currently located within Zone 2 to an area within Zone 5 located in Lower Pitt Water bounded by a line being from points defined by AMG coordinates:

| | Easting | Northing | Latitude | Longitude | |
|----|-------------|--------------|-----------------------------|------------------------------|-----------|
| 36 | E 547118.41 | N 5260122.43 | (42 ^o 48.59136 S | 147 ^o 34.57824 E) | thence to |
| 37 | E 547248.58 | N 5260120.02 | (42 ^o 48.59418 S | 147 ^o 34.67622 E) | thence to |
| 38 | E 547255.29 | N 5259699.59 | (42 ^o 48.81936 S | 147 ^o 34.68084 E) | thence to |
| 39 | E 547122.71 | N 5259777.63 | (42 ^o 48.77766 S | 147 ^o 34.58310 E) | thence to |
| 36 | E 547118.41 | N 5260122.43 | (42 ^o 48.59136 S | 147 ^o 34.57824 E) | |

Australian Mapping Grid (AMG)
Zone 55 Coordinates

Map 2.2 shows Zone 2.

2.3 Zone 3

2.3.1 Location

Zone 3 is located in Upper Pitt Water and is approximately 900 metres north-west of Shark Point and 40 metres from the coastline at its closest point.

Zone 3 consists of all that area bounded by a line being from points defined by AMG coordinates:

| | Easting | Northing | Latitude | Longitude | |
|---|-------------|--------------|-----------------------------|------------------------------|-----------|
| r | E 538357.03 | N 5261631.55 | (42 ^o 47.80536 S | 147 ^o 28.14270 E) | thence to |
| s | E 538369.33 | N 5261653.14 | (42 ^o 47.79366 S | 147 ^o 28.15164 E) | thence to |
| t | E 538519.08 | N 5261638.31 | (42 ^o 47.80122 S | 147 ^o 28.26156 E) | thence to |
| u | E 538698.91 | N 5261565.9 | (42 ^o 47.83980 S | 147 ^o 28.39380 E) | thence to |
| v | E 539046.98 | N 5261388.84 | (42 ^o 47.93442 S | 147 ^o 28.64994 E) | thence to |
| w | E 539009.76 | N 5261285.16 | (42 ^o 47.99052 S | 147 ^o 28.62306 E) | thence to |
| x | E 538825.25 | N 5261311.33 | (42 ^o 47.97696 S | 147 ^o 28.48758 E) | thence to |
| y | E 538642.53 | N 5261408.17 | (42 ^o 47.92518 S | 147 ^o 28.35306 E) | thence to |
| z | E 538536.61 | N 5261506.55 | (42 ^o 47.87232 S | 147 ^o 28.27494 E) | thence to |
| r | E 538357.03 | N 5261631.55 | (42 ^o 47.80536 S | 147 ^o 28.14270 E) | |

Australian Mapping Grid (AMG)
Zone 55 Coordinates

2.3.2 Zone area

The area of Zone 3 is approximately 9.50 hectares.

2.3.3 Maximum leasable area

The combined maximum leasable area within Zone 1, 2 and 3 is 83.19 hectares.

2.3.4 Category of fish

The category of fish allowed for culture within Zone 3 will be shellfish and seaweeds.

2.3.5 Management controls

The management controls for Zone 3 are prescribed in *Section 3 – Management Controls* of this Plan.

Map 2.2 shows Zone 3.

2.4 Zone 4

2.4.1 Location

Zone 4 is located in Lower Pitt Water on shallow sand flats on the edge of a deeper channel approximately 290 metres to the south of Woody Island and adjacent to the Seven Mile Beach Protected Area.

Zone 4 consists of all that area bounded by a line being from points defined by AMG coordinates:

| | Easting | Northing | Latitude | Longitude | |
|----|-------------|--------------|-----------------------------|------------------------------|-----------|
| aa | E 545079.38 | N 5258848.04 | (42 ^o 49.28730 S | 147 ^o 33.08808 E) | thence to |
| ab | E 545084.12 | N 5259005.30 | (42 ^o 49.20234 S | 147 ^o 33.09078 E) | thence to |
| ac | E 545611.97 | N 5259129.32 | (42 ^o 49.13340 S | 147 ^o 33.47760 E) | thence to |
| ad | E 546572.09 | N 5258900.99 | (42 ^o 49.25334 S | 147 ^o 34.18338 E) | thence to |
| ae | E 546576.54 | N 5258715.40 | (42 ^o 49.35360 S | 147 ^o 34.18758 E) | thence to |
| aa | E 545079.38 | N 5258848.04 | (42 ^o 49.28730 S | 147 ^o 33.08808 E) | |

Australian Mapping Grid (AMG)
Zone 55 Coordinates

2.4.2 Zone area

The area of Zone 4 is approximately 37.53 hectares.

2.4.3 Maximum leasable area

The maximum leasable area within Zone 4 is 20 hectares.

2.4.4 Category of fish

The category of fish allowed for culture within Zone 4 will be shellfish and seaweeds.

2.4.5 Management controls

The management controls for Zone 4 are prescribed in *Section 3 – Management Controls* of this Plan.

2.4.6 Special provisions

Subject to the provisions of the *Marine Farming Planning Act 1995* it is the planning intention to provide for the relocation of:

- (a) A total of 2.5 hectares of the area prescribed by marine farming lease number 79 currently located within zones 1 and 2, to an area within Zone 4 located in Lower Pitt Water bounded by a line being from points defined by AMG coordinates:

| | Easting | Northing | Latitude | Longitude | |
|----|-------------|--------------|-----------------------------|------------------------------|-----------|
| 6 | E 545829.93 | N 5258838.88 | (42 ^o 49.28958 S | 147 ^o 33.63900 E) | thence to |
| 7 | E 545893.66 | N 5258939.24 | (42 ^o 49.23510 S | 147 ^o 33.68526 E) | thence to |
| 8 | E 546033.64 | N 5259024.61 | (42 ^o 49.18848 S | 147 ^o 33.78762 E) | thence to |
| 9 | E 546091.19 | N 5258920.96 | (42 ^o 49.24428 S | 147 ^o 33.83034 E) | thence to |
| 10 | E 545956.54 | N 5258841.81 | (42 ^o 49.28754 S | 147 ^o 33.73188 E) | thence to |
| 6 | E 545829.93 | N 5258838.88 | (42 ^o 49.28958 S | 147 ^o 33.63900 E) | |

Australian Mapping Grid (AMG)
Zone 55 Coordinates

- (b) A total of 2.5 hectares of the area prescribed by marine farming lease number 48 currently located within Zone 2 to an area within Zone 4 located in Lower Pitt Water bounded by a line being from points defined by AMG coordinates:

| | Easting | Northing | Latitude | Longitude | |
|----|-------------|--------------|-----------------------------|------------------------------|-----------|
| 16 | E 546315.46 | N 5258741.27 | (42 ^o 49.34058 S | 147 ^o 33.99582 E) | thence to |
| 17 | E 546356.89 | N 5258881.77 | (42 ^o 49.26450 S | 147 ^o 34.02552 E) | thence to |
| 18 | E 546480.07 | N 5258920.62 | (42 ^o 49.24308 S | 147 ^o 34.11576 E) | thence to |
| 19 | E 546559.04 | N 5258798.02 | (42 ^o 49.30902 S | 147 ^o 34.17432 E) | thence to |
| 16 | E 546315.46 | N 5258741.27 | (42 ^o 49.34058 S | 147 ^o 33.99582 E) | |

Australian Mapping Grid (AMG)
Zone 55 Coordinates

- (c) A total of 2.5 hectares of the area prescribed by marine farm lease number 46 currently located within Zone 2 to an area within Zone 4 located in Lower Pitt Water bounded by a line being from points defined by AMG coordinates:

| | Easting | Northing | Latitude | Longitude | |
|----|-------------|--------------|-----------------------------|------------------------------|-----------|
| 11 | E 546047.25 | N 5258785.35 | (42 ^o 49.31772 S | 147 ^o 33.79878 E) | thence to |
| 12 | E 546110.98 | N 5258885.71 | (42 ^o 49.26324 S | 147 ^o 33.84504 E) | thence to |
| 13 | E 546250.96 | N 5258971.09 | (42 ^o 49.21662 S | 147 ^o 33.94734 E) | thence to |
| 14 | E 546308.51 | N 5258867.43 | (42 ^o 49.27242 S | 147 ^o 33.99012 E) | thence to |
| 15 | E 546173.86 | N 5258788.28 | (42 ^o 49.31568 S | 147 ^o 33.89166 E) | thence to |
| 11 | E 546047.25 | N 5258785.35 | (42 ^o 49.31772 S | 147 ^o 33.79878 E) | thence to |

Australian Mapping Grid (AMG)
Zone 55 Coordinates

- (d) A total of 2.5 hectares of the area prescribed by marine farming lease number 47 currently located within Zone 2 to an area within Zone 4 located in Lower Pitt Water bounded by a line being from points defined by AMG coordinates:

| | Easting | Northing | Latitude | Longitude | |
|---|-------------|--------------|-----------------------------|------------------------------|-----------|
| 1 | E 545632.74 | N 5259046.28 | (42 ^o 49.17822 S | 147 ^o 33.49326 E) | thence to |
| 2 | E 545801.88 | N 5259064.98 | (42 ^o 49.16754 S | 147 ^o 33.61728 E) | thence to |
| 3 | E 545865.66 | N 5258976.71 | (42 ^o 49.21500 S | 147 ^o 33.66456 E) | thence to |
| 4 | E 545748.38 | N 5258910.84 | (42 ^o 49.25100 S | 147 ^o 33.57876 E) | thence to |
| 5 | E 545630.43 | N 5258958.88 | (42 ^o 49.22544 S | 147 ^o 33.49200 E) | thence to |
| 1 | E 545632.74 | N 5259046.28 | (42 ^o 49.17822 S | 147 ^o 33.49326 E) | |

Australian Mapping Grid (AMG)
Zone 55 Coordinates

- (e) Allocation of the balance of the maximum leasable area within Zone 4 of 10 hectares will occur as new lease area upon the advice of the Board of Advice and Reference.

Map 2.3 shows Zone 4.

2.5 Zone 5

2.5.1 Location

Zone 5 is located in Lower Pitt Water on shallow sand/silt flats. It is approximately 500 metres to the south-west of Shellfish Point, 1070 metres south of Grassy Point and 1.4 kilometres east of Woody Island.

Zone 5 consists of all that area bounded by a line being from points defined by AMG coordinates:

| | Easting | Northing | Latitude | Longitude | |
|----|-------------|--------------|-----------------------------|------------------------------|-----------|
| af | E 547120.63 | N 5259774.90 | (42 ^o 48.77916 S | 147 ^o 34.58160 E) | thence to |
| ag | E 547118.41 | N 5260122.43 | (42 ^o 48.59136 S | 147 ^o 34.57824 E) | thence to |
| ah | E 547863.38 | N 5260103.63 | (42 ^o 48.59874 S | 147 ^o 35.12502 E) | thence to |
| ai | E 548336.56 | N 5259803.48 | (42 ^o 48.75918 S | 147 ^o 35.47380 E) | thence to |
| aj | E 548449.01 | N 5259177.62 | (42 ^o 49.09686 S | 147 ^o 35.55954 E) | thence to |
| ak | E 548114.22 | N 5259175.70 | (42 ^o 49.09920 S | 147 ^o 35.31384 E) | thence to |
| af | E 547120.63 | N 5259774.90 | (42 ^o 48.77916 S | 147 ^o 34.58160 E) | |

Australian Mapping Grid (AMG)
Zone 55 Coordinates

2.5.2 Zone area

The area of Zone 5 is approximately 80.12 hectares.

Section 2: Marine Farming Zones

2.5.3 Maximum leasable area

The maximum leasable area within Zone 5 is 30 hectares.

2.5.4 Category of fish

The category of fish allowed for culture within Zone 5 will be shellfish and seaweeds.

2.5.5 Management controls

The management controls for Zone 5 are prescribed in *Section 3 – Management Controls* of this Plan.

2.5.6 Special provision

Subject to the provisions of the *Marine Farming Planning Act 1995* it is the planning intention to provide for the relocation of:

- (a) A total of 2.5 hectares of the area prescribed by marine farming lease number 48 currently located within Zone 2 to an area within Zone 5 located in Lower Pitt Water bounded by a line being from points defined by AMG coordinates:

| | Easting | Northing | Latitude | Longitude | |
|----|-------------|--------------|-----------------------------|------------------------------|-----------|
| 20 | E 547302.13 | N 5259910.28 | (42 ^o 48.70530 S | 147 ^o 34.71414 E) | thence to |
| 21 | E 547407.49 | N 5259834.48 | (42 ^o 48.74586 S | 147 ^o 34.79184 E) | thence to |
| 22 | E 547413.98 | N 5259601.63 | (42 ^o 48.87168 S | 147 ^o 34.79778 E) | thence to |
| 23 | E 547305.62 | N 5259668.22 | (42 ^o 48.83610 S | 147 ^o 34.71792 E) | thence to |
| 20 | E 547302.13 | N 5259910.28 | (42 ^o 48.70530 S | 147 ^o 34.71414 E) | |

Australian Mapping Grid (AMG)
Zone 55 Coordinates

- (b) A total of 2.5 hectares of the area prescribed by marine farming lease number 46 currently located within Zone 2 to an area within Zone 5 located in Lower Pitt Water bounded by a line being from points defined by AMG coordinates:

| | Easting | Northing | Latitude | Longitude | |
|----|-------------|--------------|-----------------------------|------------------------------|-----------|
| 32 | E 547766.73 | N 5259631.63 | (42 ^o 48.85416 S | 147 ^o 35.05650 E) | thence to |
| 33 | E 547872.08 | N 5259555.84 | (42 ^o 48.89472 S | 147 ^o 35.13420 E) | thence to |
| 34 | E 547878.58 | N 5259322.99 | (42 ^o 49.02048 S | 147 ^o 35.14014 E) | thence to |
| 35 | E 547770.21 | N 5259389.57 | (42 ^o 48.98490 S | 147 ^o 35.06028 E) | thence to |
| 32 | E 547766.73 | N 5259631.63 | (42 ^o 48.85416 S | 147 ^o 35.05650 E) | |

Australian Mapping Grid (AMG)
Zone 55 Coordinates

- (c) A total of 2.5 hectares of the area prescribed by marine farming lease number 47 currently located within Zone 2 to an area within Zone 5 located in Lower Pitt Water bounded by a line being from points defined by AMG coordinates:

| | Easting | Northing | Latitude | Longitude | |
|----|-------------|--------------|-----------------------------|------------------------------|-----------|
| 28 | E 547614.06 | N 5259721.06 | (42 ^o 48.80640 S | 147 ^o 34.94400 E) | thence to |
| 29 | E 547719.42 | N 5259645.26 | (42 ^o 48.84696 S | 147 ^o 35.02170 E) | thence to |
| 30 | E 547725.92 | N 5259412.41 | (42 ^o 48.97272 S | 147 ^o 35.02764 E) | thence to |
| 31 | E 547617.55 | N 5259478.99 | (42 ^o 48.93720 S | 147 ^o 34.94778 E) | thence to |
| 28 | E 547614.06 | N 5259721.06 | (42 ^o 48.80640 S | 147 ^o 34.94400 E) | |

Australian Mapping Grid (AMG)
Zone 55 Coordinates

- (d) A total of 2.5 hectares of the area prescribed by marine farming lease number 81 currently located within Zone 2 to an area within Zone 5 located in Lower Pitt Water bounded by a line being from points defined by AMG coordinates:

| | Easting | Northing | Latitude | Longitude | |
|----|-------------|--------------|-----------------|------------------|-----------|
| 24 | E 547454.89 | N 5259816.66 | (42° 48.75534 S | 147° 34.82670 E) | thence to |
| 25 | E 547560.25 | N 5259740.86 | (42° 48.79590 S | 147° 34.90440 E) | thence to |
| 26 | E 547566.75 | N 5259508.01 | (42° 48.92166 S | 147° 34.91034 E) | thence to |
| 27 | E 547458.38 | N 5259574.59 | (42° 48.88614 S | 147° 34.83048 E) | thence to |
| 24 | E 547454.89 | N 5259816.66 | (42° 48.75534 S | 147° 34.82670 E) | |

Australian Mapping Grid (AMG)
Zone 55 Coordinates

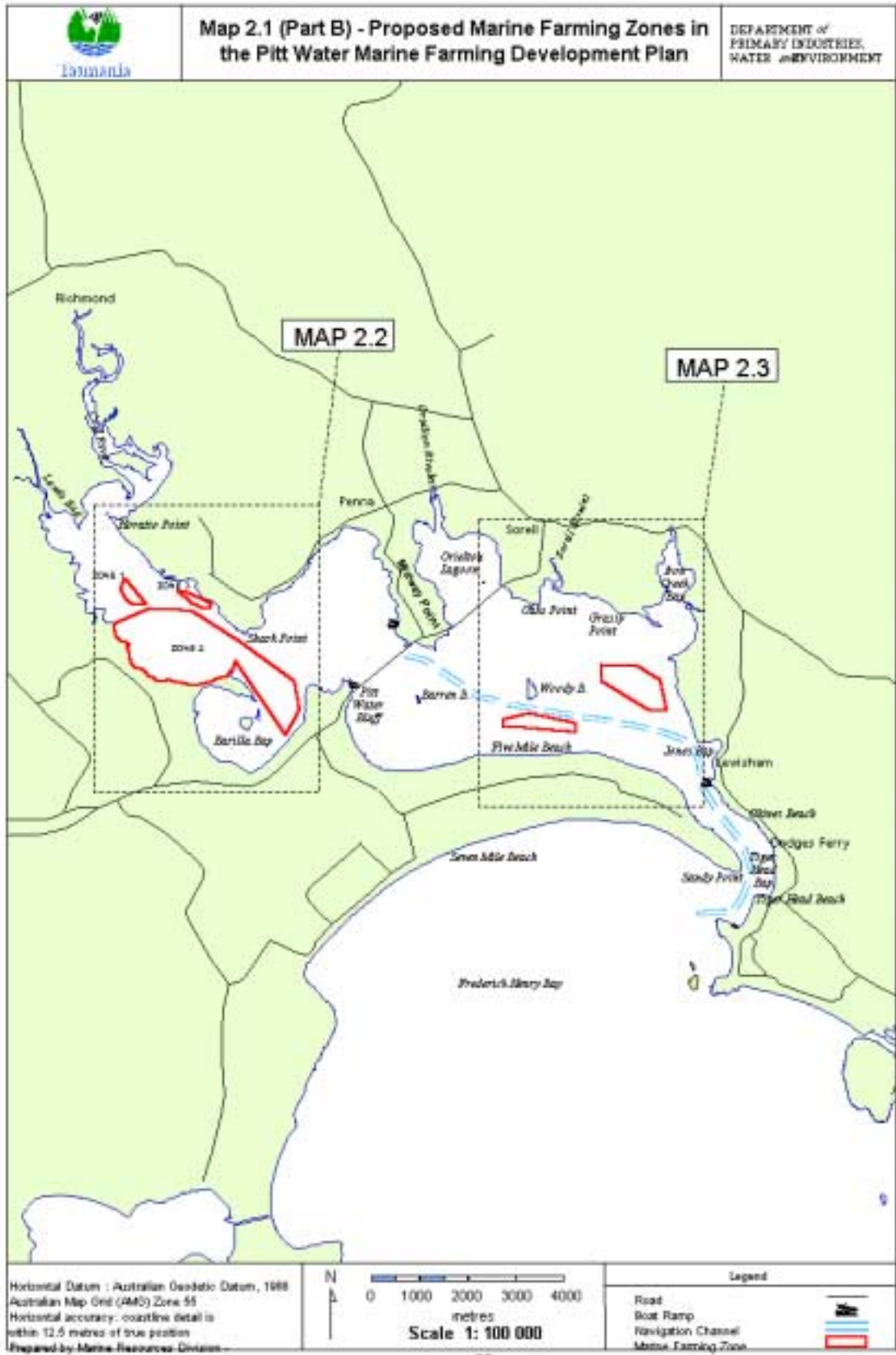
- (e) A total of 5 hectares of the area prescribed by marine farming lease number 1 currently located within Zone 2 to an area within Zone 5 located in Lower Pitt Water bounded by a line being from points defined by AMG coordinates:

| | Easting | Northing | Latitude | Longitude | |
|----|-------------|--------------|-----------------|------------------|-----------|
| 36 | E 547118.41 | N 5260122.43 | (42° 48.59136 S | 147° 34.57824 E) | thence to |
| 37 | E 547248.58 | N 5260120.02 | (42° 48.59418 S | 147° 34.67622 E) | thence to |
| 38 | E 547255.29 | N 5259699.59 | (42° 48.81936 S | 147° 34.68084 E) | thence to |
| 39 | E 547122.71 | N 5259777.63 | (42° 48.77766 S | 147° 34.58310 E) | thence to |
| 36 | E 547118.41 | N 5260122.43 | (42° 48.59136 S | 147° 34.57824 E) | |

Australian Mapping Grid (AMG)
Zone 55 Coordinates

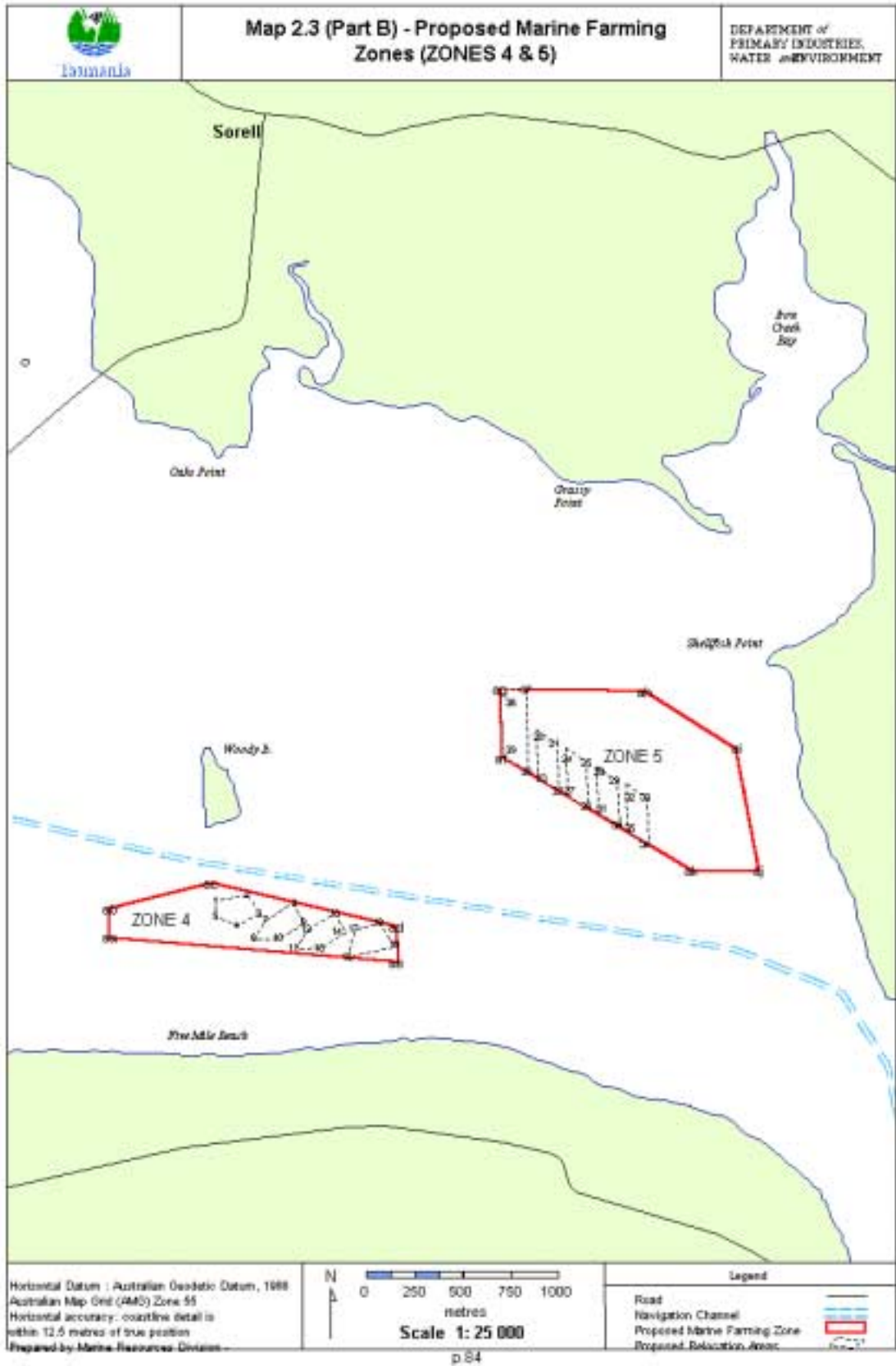
- (f) Allocation of the balance of the maximum leasable area within Zone 5 of 15 hectares will occur as new lease area upon the advice of the Board of Advice and Reference.

Map 2.3 shows Zone 5





Section 2: Marine Farming Zones



3 - Management Controls

Prepared in accordance with section 24 of the *Marine Farming Planning Act 1995*. Management controls must contain any measures necessary to manage and mitigate negative effects which the Plan may have.

3.1 General controls for all marine farming zones

There must be no unacceptable environmental impact, to the satisfaction of the Secretary, outside the boundary of the marine farming lease area. Environmental parameters must be monitored in accordance with the requirements specified in the relevant marine farming licence.

3.2 Environmental controls relating to carrying capacity

- (1) In all new lease areas used for the farming of shellfish there must not be more than the equivalent¹ of either:
 - (a) 1.1 km of stocked racking per hectare of lease area; or
 - (b) 4.4 km of stocked post and wire farming equipment (commonly known as the BST system) per hectare of lease area; or
 - (c) 330 metres of effective backbone longline per hectare of lease area.
- (2) In all existing lease areas used for the farming of shellfish there must not be more than the equivalent¹ of either:
 - (a) 1.1 km of stocked racking per hectare of lease area; or
 - (b) 4.4 km of stocked post and wire farming equipment (commonly known as the BST system) per hectare of lease area; or
 - (c) 330 metres of effective backbone longline per hectare of lease area.
- (3) Holders of an existing marine farming lease within this Plan area have 5 years from the date of approval of this Plan to comply with 3.2(2).

¹ For the purposes of 3.2(1) and 3.2(2) above each 100 metres of stocked racking shall be deemed equivalent to 400 metres of stocked post and wire farming equipment in circumstances where both systems are used in a lease area at the same time.

- (4) Containers of oysters in intertidal lease areas must be clear of the seabed and there shall be no layering of containers on the racking.
- (5) All longlines and associated equipment for filter feeding shellfish must be maintained at least 1 metre clear of the seabed.

3.3 Environmental controls relating to monitoring

- (1) Lessees must comply with environmental monitoring requirements as may be specified from time to time in the relevant marine farming licence.
- (2) Lessees are to provide to the Secretary an estimate of numbers or biomass of each species of shellfish being farmed in a lease area for which they hold a marine farming licence, on an annual basis or as otherwise specified in the relevant marine farming licence.
- (3) Lessees must provide a baseline environmental survey as specified by the Secretary where:
 - (a) a new lease area is being established; or
 - (b) for any expansion greater than 10% to an existing marine farm lease area.

The baseline environmental survey must be undertaken prior to the commencement of marine farming operations.

Note: The Secretary will use the information from the baseline environmental survey to assess whether the area to be farmed contains any rare and endangered species or any unusual habitat and will determine future management and monitoring requirements for the area.

- (4) Lessees farming or taking bivalve shellfish from the lease area for human consumption or for on-growing for human consumption must comply with the requirements of the Tasmanian Shellfish Quality Assurance Program and with any directions from the Minister for the Department of Health and Human Services.

- (5) Lessees must regularly measure the growth of samples of shellfish, as specified by the Secretary, in areas where the growth rates of shellfish have declined and questions arise over the carrying capacity of a growing area.

3.4 Abalone farm audit

All abalone marine farming is to be conducted in accordance with the DPIWE's Abalone Farm Audit requirements.

3.5 Chemical controls

All chemical use must comply with the requirements of the *Agriculture and Veterinary Chemicals (Control of Use) Act 1995*.

3.6 Controls on waste

Lessees must dispose of wastes from:

- (1) harvesting;
- (2) processing of produce; and
- (3) removal of fouling organisms,

in a manner that the Secretary is satisfied will not cause an unacceptable effect on the ecology of the marine environment or nearby shorelines.

3.7 Disease controls

- (1) Lessees must notify the Secretary of any suspected disease in accordance with the *Animal Health Act 1995*.
- (2) Lessees must not intentionally release into State waters fish of species authorised in the relevant marine farming licence unless authorised to do so by that licence.

3.8 Visual controls

Lessees must ensure that all marine farming structures and equipment on marine farming lease areas conform to the following controls:

- (1) All buoys, netting and other floating marine farming structures and equipment on the sea, other than that specified for navigational requirements, must be grey to black in colour, or be any other colour that is specified in the relevant marine farming licence.

Holders of an existing marine farming lease have five years to conform from the date of approval of this Plan.

Lessees of new marine farming lease areas must comply immediately on commencement.

- (2) Marine farming structures and equipment must be low in profile and be of a uniform size and shape to the satisfaction of the Secretary.

Holders of an existing marine farming lease have five years to conform from the date of approval of this Plan.

Lessees of new marine farming lease areas must comply immediately on commencement.

- (3) Posts on each section of racking on intertidal lease areas are to be of consistent height above sea level.
- (4) Row markers on intertidal lease areas are to be of consistent height above sea level.
- (5) The lease area must be kept neat and tidy to a standard acceptable to the Secretary.
- (6) Floating storage huts, grading facilities and shelters must not be located within a lease area unless authorised under the relevant marine farming licence.
- (7) Lessees must ensure that lighting of marine farming operations, other than that required for navigation purposes, complies with the *Environmental Management and Pollution Control Act 1994*.
- (8) Anchors and mooring lines that extend outside the lease area must be at least 5 metres below the surface at the boundary of the lease area.

3.9 Access controls

- (1) Lessees must mark the external boundaries of the lease area in whatever manner is required by the Secretary and by the relevant authority under the provisions of the *Marine and Safety Authority Act 1997*.
- (2) Lessees must identify the lease area in a manner specified by the Secretary.

3.10 Other controls

- (1) Lessees must comply with the *Marine Farming Planning Act 1995* and with any other Act or regulations that may affect the lease area or the marine farming operations in that lease area.
- (2) Lessees must comply with guidelines on noise emissions for marine farming operations made pursuant to the *Environmental Management and Pollution Control Act 1994*.
- (3) Lessees must maintain marine farming structures and equipment on lease areas held by them in a serviceable condition.
- (4) Lessees must remove redundant, dilapidated or loose marine farming structures and equipment from the lease area at the request of the Secretary.
- (5) If any part or parts of marine farming structures or equipment break away from the lease area, lessees must take action as soon as reasonably possible to recover those structures and equipment and return them to the lease area or otherwise dispose of them in an appropriate manner.
- (6) Lessees must ensure any predator control of protected species is conducted with the approval of the Parks and Wildlife Service of the Department Primary Industries, Water and Environment.

- (7) Lessees must permit the Minister, or persons authorised by the Minister, to enter into and inspect the lease area at all reasonable times.
- (8) Lessees must comply with all lawful written requirements of the Minister.

3.11 Protected environmental values

The Following PEV have been set for all marine farming zones prescribed by the Pitt Water Marine Farming Development Plan January 2001 under Part 3-Water Quality Objectives 7.1A, B and E of the State Policy on Water Quality Management 1997:

- A. Protection of Aquatic Ecosystems
 - (i) Modified (not pristine) ecosystems
 - (a) from which edible fish, crustacea and shellfish are harvested;
- B. Recreational Water Quality and Aesthetics
 - (i) Primary contact water quality
 - (ii) Secondary contact water quality;
- E. Industrial water supply - Aquaculture.