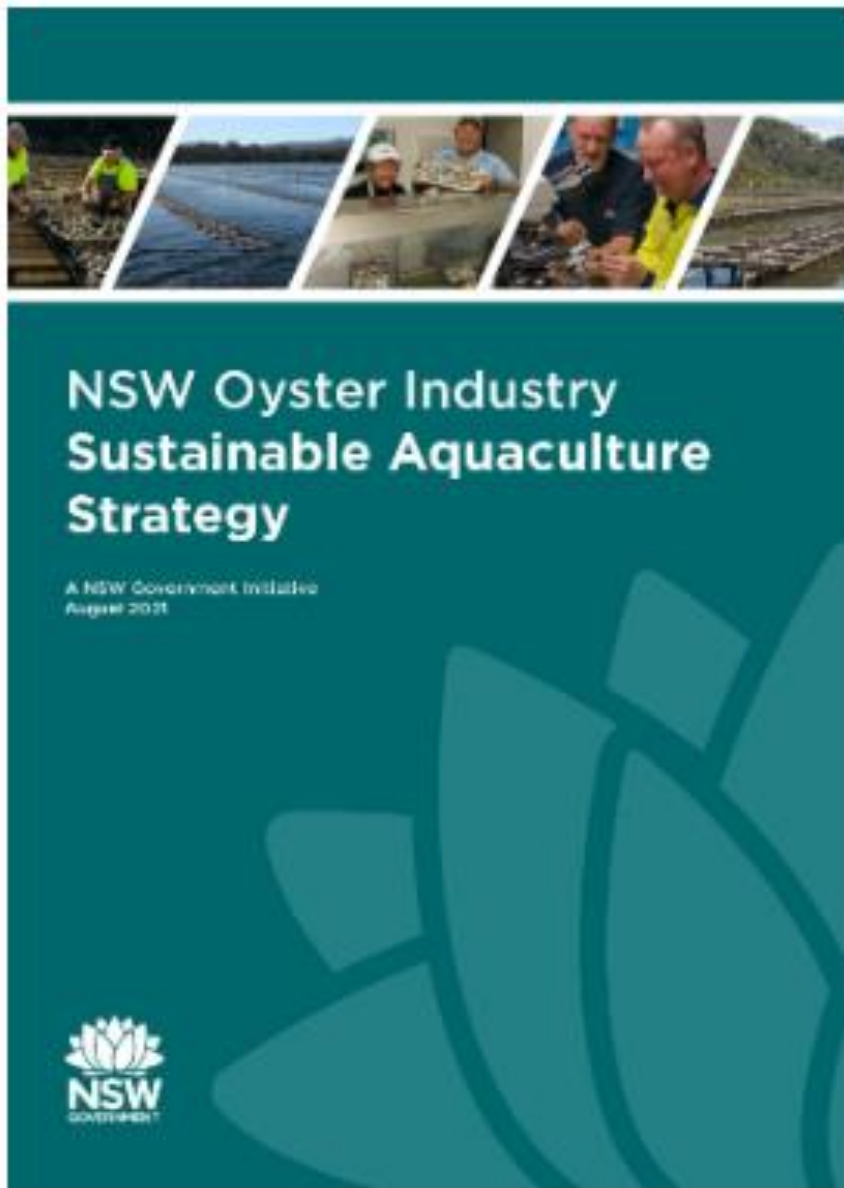




Department of
Primary Industries

Priority Oyster Aquaculture Areas, lease allocation and cultivating alternative species

Emma Wilkie Policy Officer - Aquaculture



- OISAS
- 4th Edition August 2021
 - ✓ ESD
 - ✓ Water quality
 - ✓ Environmental stewardship
 - ✓ POAA
 - ✓ Mandatory standards
 - ✓ Aquaculture permits
 - ✓ Planning and approvals

www.dpi.nsw.gov.au/fishing/aquaculture/publications/oysters/industry-strategy

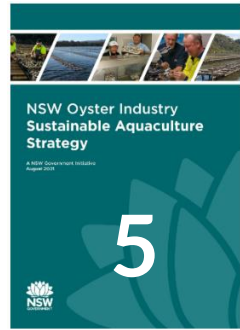
Priority Oyster Aquaculture Areas

Areas where oyster farming is the desired outcome

Location, environment and socio-economic criteria

Protect farming areas for now and the future

www.dpi.nsw.gov.au/about-us/science-and-research/spatial-data-portal



Department of Primary Industries
Fisheries NSW Spatial Data Portal

Search... Sign in

Map Navigation Tools

Map Layers Pan Zoom In Zoom Out Initial View Full Extent Previous Extent Next Extent Bookmarks

Navigation

Layers

Filter Layers... Filter

- Fisheries data available for download
- Freshwater Fish Community Status
- Aquaculture
 - Aquaculture Leases (Current)
 - Priority Oyster Aquaculture Area (POAA current)
 - National Park Estate
 - Priority area
- Extra Aquaculture Layers
- NSW Oyster Reefs

Quick Tools

Tools

NSW Im... 3km 1:5000

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Priority Oyster Aquaculture Areas

Total 3,545ha

Available 556ha

www.dpi.nsw.gov.au/about-us/science-and-research/spatial-data-portal

The screenshot displays the Fisheries NSW Spatial Data Portal interface. At the top left is the NSW Government logo and the text "Department of Primary Industries". The main title "Fisheries NSW Spatial Data Portal" is centered. A search bar is on the right with the text "Search..." and a magnifying glass icon. Below the title bar is a navigation menu with "Map Navigation" and "Tools". The "Tools" menu includes icons for Map Layers, Pan, Zoom In, Zoom Out, Initial View, Full Extent, Previous Extent, Next Extent, and Bookmarks. A "Tool Labels" checkbox is checked on the right. The main map area shows a satellite view of a coastal region with several red and pink polygons overlaid, representing aquaculture leases and priority areas. A "Layers" panel on the left lists various data layers with checkboxes and expandable arrows. The "Aquaculture" section is expanded, showing "Aquaculture Leases (Current)", "Priority Oyster Aquaculture Area (POAA current)", "National Park Estate", and "Priority area". The "Extra Aquaculture Layers" section is also expanded, showing "Available Lease Areas (POAA)", "Historic Leases", and "Oyster Lease Marking". A "Quick Tools" button is visible above the map. At the bottom, there is a scale bar (3km), a north arrow, and a small inset map showing the location of the main map area within the state of NSW, with labels for WYONG, GOSFORD, SYDNEY, and BRAMATTA.

NSW Government Department of Primary Industries Fisheries NSW Spatial Data Portal

Search... Sign in

Map Navigation Tools

Map Layers Pan Zoom In Zoom Out Initial View Full Extent Previous Extent Next Extent Bookmarks

Navigation

Layers

Filter Layers... Filter

- Freshwater Fish Community Status
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Quick Tools

Tools

3km

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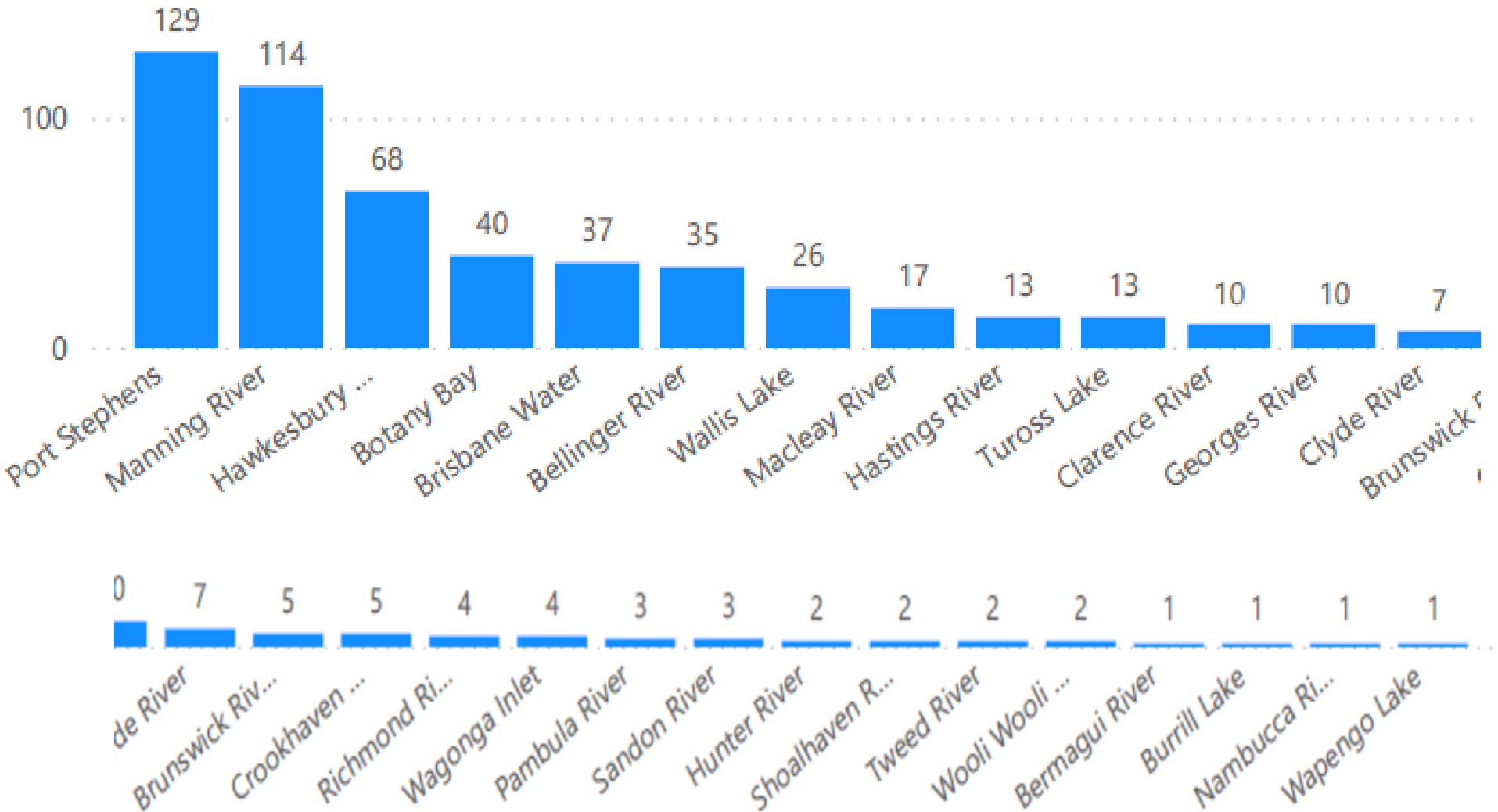
Priority Oyster Aquaculture Areas

Harvest zones

www.dpi.nsw.gov.au/about-us/science-and-research/spatial-data-portal

The screenshot displays the Fisheries NSW Spatial Data Portal interface. At the top, the NSW Government logo and Department of Primary Industries are visible on the left, and the portal title "Fisheries NSW Spatial Data Portal" is centered. A search bar on the right contains the text "OL57/125" and a search icon. Below the header is a navigation bar with "Map Navigation" and "Tools" tabs. The "Tools" tab is active, showing a toolbar with icons for Quick Start, Identify, Export Image, Print, Line, Point, Styles, Edit, Query, and Extract Data. Below the toolbar is a "Layers" panel on the left with a "Filter Layers..." search box. The "Supporting Data" section is expanded, showing "Extra Aquaculture Layers" checked. Underneath, "Shellfish Harvest Areas" is checked, with a list of zones: Approved (green), Approved - Dual (teal), Approved - Split (light green), Benched (red), Provisionally Restricted (orange), and Restricted (dark orange). A "Blue Carbon Supporting Data" layer is also visible. The main map area shows a satellite view of a coastal region with several oyster aquaculture areas outlined in various colors corresponding to the harvest zones. Labels on the map include Mantara, Cobscook Bay, Kimmangkong, Porto Bay, Palonga Creek, Hardy Bay, Fijays Island, Brinsville, and Murphys Bay. A scale bar at the bottom indicates 3km. An inset map in the bottom right corner shows the location of the main map area within the state of New South Wales, with labels for Parramatta, Wymong, Gosford, and Sydney.

Available POAA



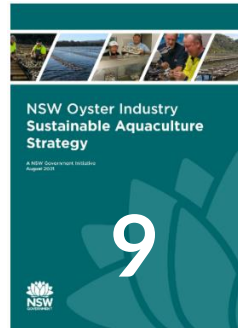
Vacant leases (Class 1)

Competitive tender

Transfer between permit holders

Within POAA, a DA is not required

www.dpi.nsw.gov.au/fishing/aquaculture/aquaculture-leases



Department of
Primary Industries

Aquaculture Lease Tender FAQs

The following information will assist farmers should they wish to participate in the aquaculture lease tender that NSW DPI runs biannually.

What do I need to do to participate in the tender process?

Vacant leases (Class 1)



Department of
Primary Industries

Policy

Aquaculture Lease Allocation

POLICY NUMBER: O-071

VERSION: 4.0

AUTHORISED BY: Director, Fisheries and Aquaculture Management

AUTHORISED DATE: 24/02/2022

ISSUED BY: DPI Fisheries

EFFECTIVE DATE: 24/02/2022

CATEGORY OPERATIONS AND INDUSTRY

REVIEW DATE: 24/02/2024

Policy Statement

This policy describes the circumstances under which NSW Department of Primary Industries (NSW DPI) will allocate new aquaculture leases by a competitive process.

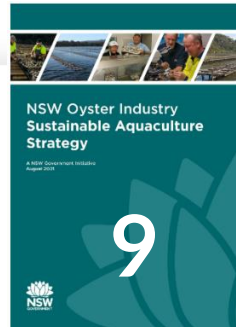
www.dpi.nsw.gov.au/fishing/aquaculture/publications/general/management-policies

Aquaculture Lease Allocation Policy changed in 2021

Shellfish Committee approved

New ground

Extinguishment of POAA



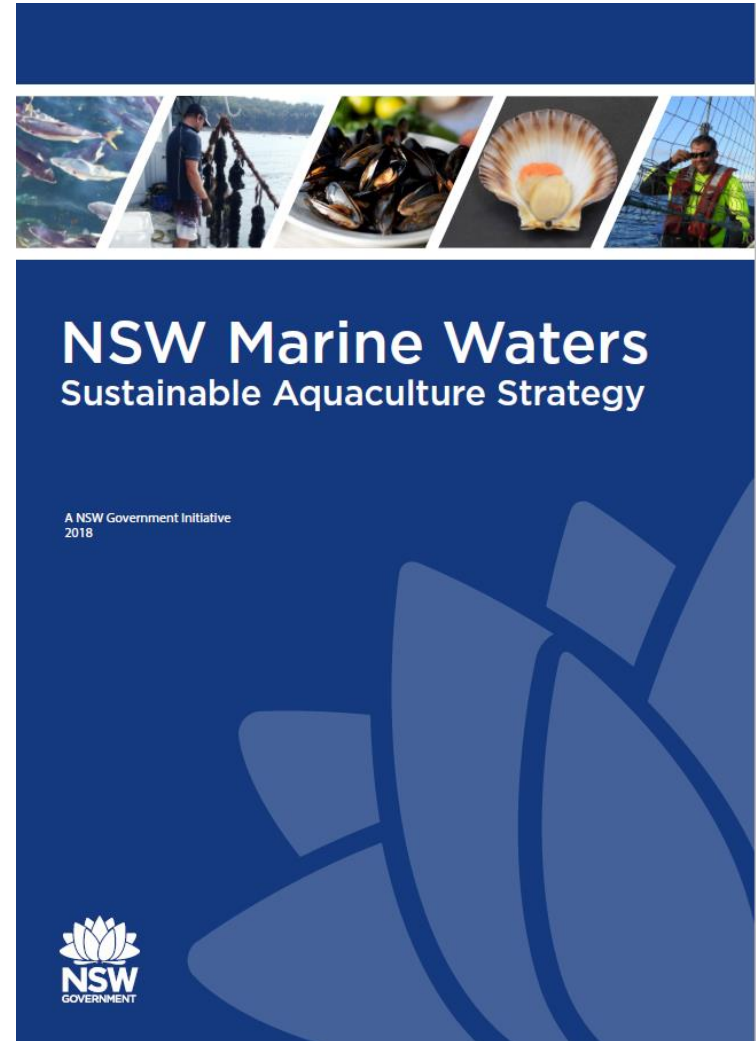
Vacant leases (Class 2)

Marine leases are also acquired through public tender

Sea pens, longline, ranching reefs

Currently in NSW marine waters:

- Twofold Bay: 50 ha
- Jervis Bay: 50 ha
- Port Stephens: 62 ha



www.dpi.nsw.gov.au/fishing/aquaculture/marine-waters-strategy

Alternative species on POAA

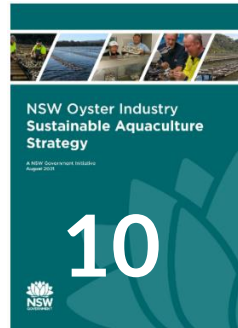
Currently four species are farmed on POAA

Interest from industry to use leases for alternative species

Risk mitigation

Potential for new markets

DPI Fisheries research

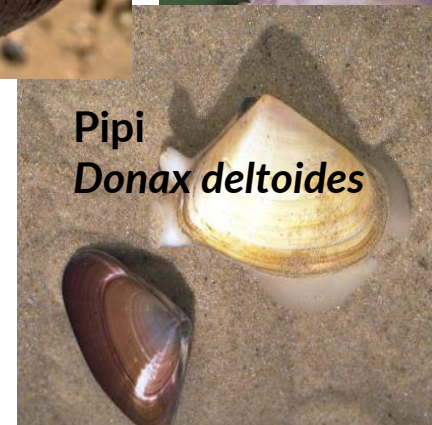


Alternative species

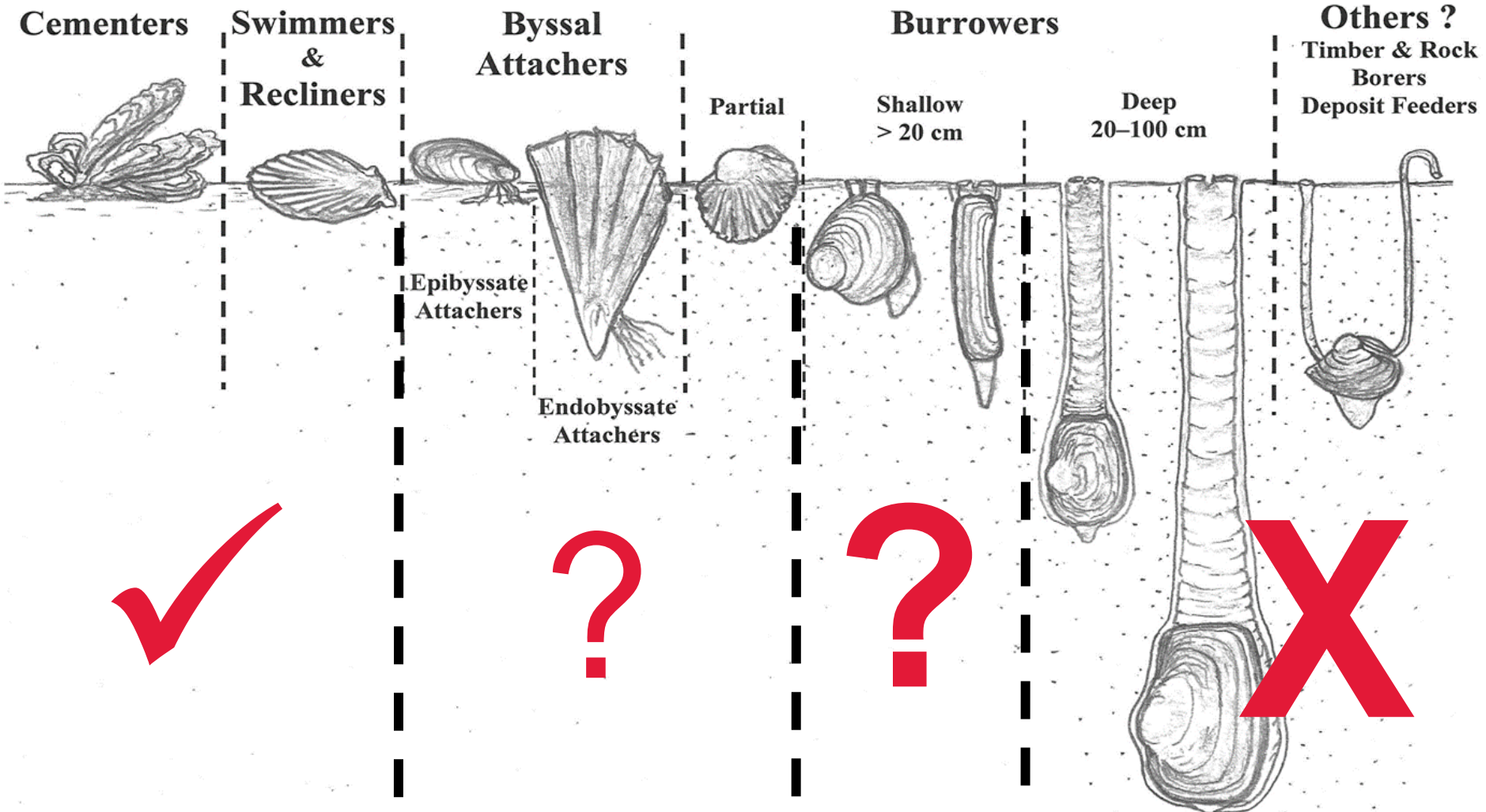
Review of Environmental Factors - access pathway

Existing lease infrastructure

Native to the area



Farming potential



Can they be grown using existing oyster infrastructure?

Farming potential

All need high salinity

Working, tumbling, de-fouling

Condition, season

Hatchery production



Market Potential

Pipis \$19/kg at Sydney Fish Market
Peak in 2009 at \$35/kg

Cockles \$8.50/kg

Existing or potential markets

- Domestic - Export

- High value

Market access

- Permissible (biosecurity or trade barriers)

- Good live shelf life or packaging option

- Reliable cold transport chain



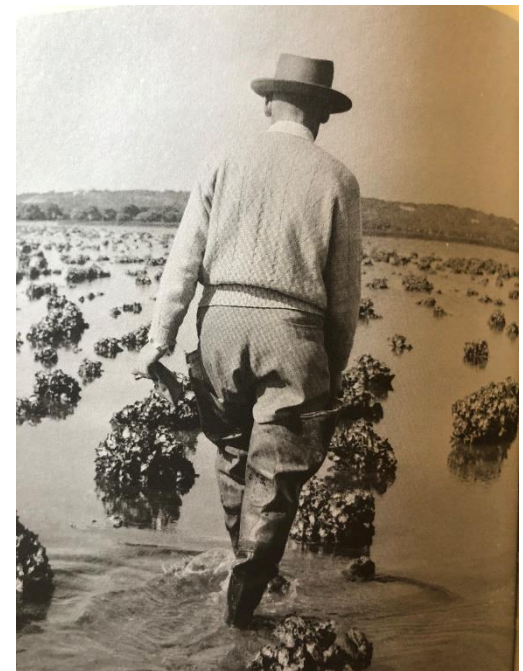
Thank you and questions

Aquaculture Administration

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aquaculture.administration@dpi.nsw.gov.au

Emma.wilkie@dpi.nsw.gov.au



Harvesting oysters in Georges River, circa 1950