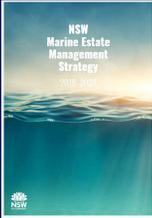




# Estuary Foreshore Management: Waterfront structures and bank management strategies

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NSW  
Marine Estate  
Management  
Strategy  
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## Estuarine Foreshore Management

Many agencies involved.  
Licencing and approval is complex.  
Coordination is important.  
Address key threats and risks identified in the Marine Estate Management Strategy.  
How can we address these issues?

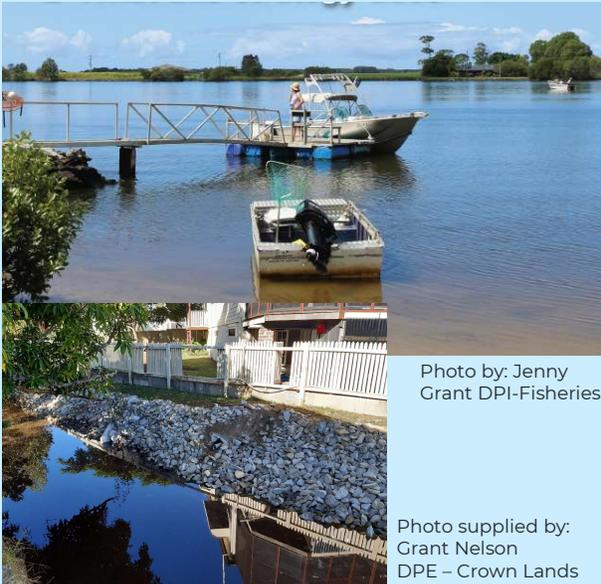


Photo by: Jenny Grant  
DPI-Fisheries

Photo supplied by:  
Grant Nelson  
DPE – Crown Lands



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## Domestic Waterfront Structures Landowner's Consent Strategies



### Background

Installing jetties, pontoons (Domestic Waterfront Facilities (DWF)) etc, require development consent from council.

Require Landowner's Consent from Crown Lands, to lodge development application (DA) on Crown waterway, then a Crown licence is required to occupy and use the site.

### The Problem

Inappropriate DWFs can impact on public access to Crown land and waterways, navigation, fisheries and environmental values.

No point preparing a DA and seeking Landowner's Consent if DWF is inappropriate.

So...



Photo by: Emma Wilke DPI-Fisheries



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## Domestic Waterfront Structures Landowner's Consent (LOC) Strategies



### The Solution

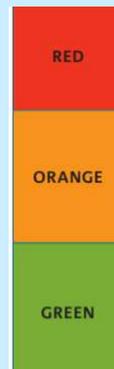
Pre-assess estuary foreshores for criteria used by agencies and assign to one of three categories.

An interactive map to show the pre-assessed categories and the primary reason for the assigned category

RED – LOC would be inconsistent with existing policies and legislation and unlikely to be granted

ORANGE – *status quo*, site specific LOC assessment

GREEN – there are no foreseeable objections to the structure and no referrals are required for Crown Lands to issue LOC for the DA to proceed



**Richmond River**

- **80% categorised as RED**  
unlikely for LOC to proceed
- **<10% categorised as orange**  
LOC referrals are needed
- **12% categorised as GREEN**  
no referral required for LOC

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## Estuary Bank Management Strategies



### Background

Managers and Landholders often need to address erosion and bank stabilisation issues but there are many options for treatments

### The Problem

How to choose the best method for the circumstances?

How to encourage best practice and environmentally-friendly approaches?

How to direct limited resources to priority areas?



Photo by: North Coast Local Land Services

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## Estuary Bank Management Strategies



### The Solution

A decision-support tool that:

- guides the user to obtain relevant available information (desktop and field)
- Scores sites for erosion risk and suitability for different control measures
- Objectively offers a preferred and alternative options for treatment methods.

Web-based mapping for estuary foreshores available for landholder to inform plans for proposed works.



Photos supplied by: Grant Nelson (DPE-Crown Lands)

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## The Philosophy

What evidence is needed to make a decision?

Is that evidence available at an appropriate scale? If not, how can we get it in a consistent manner?

How can we best communicate that evidence to applicants and/or decision-makers?

How will this strategy streamline approvals while ensuring oversight, and set realistic user expectations?



Photos by: Grant Nelson (DPE-Crown Lands)

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## Common themes

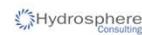
Whole of government approach, strategic integration of policy and process.

Reducing red tape by front-loading assessment.

Interactive mapping/information analysis tools and supporting documentation provide communication and consistency.

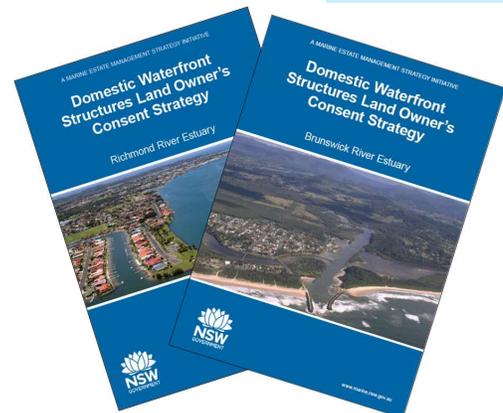
Transparent, evidence based decision making.

Transferable to other projects that seek to reform assessment while maintaining oversight.



### Development and Validation of a Decision Support Tool for Bank Erosion Management in NSW Estuaries

Part A: Desktop and Field Erosion Risk Assessment Methodology



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## More Information



<https://www.marine.nsw.gov.au/projects/domestic-waterfront-structure-strategies>

<https://www.marine.nsw.gov.au/statewide-projects/healthy-coastal-habitats/estuary-bank-management-strategies>

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