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**From:** "Google Forms" <forms-receipts-noreply@google.com>  
**Date:** Tuesday, April 13, 2021 8:40 AM  
**To:** <a\_design2@bigpond.com>  
**Subject:** Waterfront land e-tool

Thanks for filling in [Waterfront land e-tool](#)

Here's what we've received from you:

[Edit response](#)

## Waterfront land e-tool

Version 1 - 2020

Email address \*

a\_design2@bigpond.com

Is this the right e-tool for me?

This waterfront land e-tool has been developed to help controlled activity applicants and consultants determine if a controlled activity approval is required under the provisions of the Water Management Act 2000. The tool can be used to help identify: • if there is waterfront land • the location of top of bank of the waterfront land and • if an exemption applies for works within certain mapped areas under clause 36 of Schedule 4 of the Regulation The e-tool is recommended for use by people who are familiar with environmental assessment and suitably qualified consultants. Members of the general public who are planning works near waterfront land should seek professional advice.

The e-tool must be completed separately for each individual mapped or visible watercourse on, or near, your property. If you have multiple properties or multiple watercourses on or near your property, submit your response for the first assessment and then re-start the tool from the beginning to assess another watercourse or property. This will ensure each property and watercourse receives its own separate emailed result outcome that you can keep as a record.

Using the tool

Some of the questions in this e-tool can be answered using materials online. Depending on your circumstances, you may also need to visit the site of the proposed work in person to gather supporting evidence. There is a PDF version of the tool available that you can download and take into the field at: [https://www.industry.nsw.gov.au/\\_\\_data/assets/pdf\\_file/0007/309670/waterfront-land-tool.pdf](https://www.industry.nsw.gov.au/__data/assets/pdf_file/0007/309670/waterfront-land-tool.pdf) The e-tool must be completed separately for each individual mapped or visible watercourse on the property. Each watercourse assessed with the e-tool will then receive a separate emailed result outcome.

Stopping and returning

You can choose to exit the tool at certain questions where field work is recommended. You will be asked if you wish to exit, and, if you agree, be emailed a link that you can use to return to the tool later to complete the rest of the questions. If you close the tool anywhere else - without completing it and clicking the 'Submit' button - your data will not be retained. Please ensure you only close the tool when prompted if you wish to retain your answers.

Supporting evidence

When you complete the tool, you will receive email confirmation containing your answers, which you must keep as a record of your decision-making. You must also keep all reference material and information used—including maps, photos and observations to answer the tool questions. You will be prompted throughout the tool about what information to keep. NRAR may request copies of the Waterfront land tool answers and supporting documents from landholders where works are carried out without a controlled activity approval under the Water Management Act 2000. The Waterfront land e-tool will store your email address so you can be emailed a record of your answers on completion. It will also record your answers but it will not identify your location or any other personal details. If you do not wish to supply your email address, please use the hard copy version of the tool at: [https://www.industry.nsw.gov.au/\\_\\_data/assets/pdf\\_file/0007/309670/waterfront-land-tool.pdf](https://www.industry.nsw.gov.au/__data/assets/pdf_file/0007/309670/waterfront-land-tool.pdf)

More information

• about this e-tool, contact NRAR via email: [nrar.enquiries@nrar.nsw.gov.au](mailto:nrar.enquiries@nrar.nsw.gov.au) • about controlled activity approvals, visit <https://www.industry.nsw.gov.au/water/licensing-trade/approvals/controlled-activities>

## Disclaimer

• This tool is intended for guidance purposes only and cannot be used as evidence of compliance with the Water Management Act 2000. • Users of this tool will be responsible for making their own assessment of the material and should verify all relevant representations, statements and information with their own professional advisers. • This tool only applies controlled activities on waterfront land—it does not apply to water access licences or water supply work and/or water use approvals. • This is not an approval to undertake work on waterfront land and you will still need to obtain relevant approvals as required under the Water Management Act 2000 (WM Act). • The use of this tool does not remove the obligation to obtain approval under any other relevant legislation. • Users should also refer to the disclaimer on the department's website at: <https://www.industry.nsw.gov.au/disclaimer>

## Description or Reference

Please enter a description or reference number below for the property or watercourse you are going to assess. This will allow you to easily identify this assessment from any other assessments you undertake using the tool. \*

116-132 Chain-O-Ponds Road Mulgoa

## Question 1 - NRAR waterfront land maps

After answering the question, click next at the bottom of the screen.

Is your property located on a watercourse, lake or estuary within the area marked in orange in any of the NRAR waterfront land maps below? \*

- |                                     |                       |
|-------------------------------------|-----------------------|
| <input type="checkbox"/>            | Yes, Botany Bay       |
| <input type="checkbox"/>            | Yes, Brisbane Water   |
| <input type="checkbox"/>            | Yes, Hunter River     |
| <input type="checkbox"/>            | Yes, Lake Macquarie   |
| <input type="checkbox"/>            | Yes, Lake Mulwala     |
| <input type="checkbox"/>            | Yes, Port Hacking     |
| <input type="checkbox"/>            | Yes, Port Jackson     |
| <input type="checkbox"/>            | Yes, Port Stephens    |
| <input type="checkbox"/>            | Yes, Tuggerah Lakes   |
| <input type="checkbox"/>            | Yes, Wallis Lakes     |
| <input checked="" type="checkbox"/> | No, none of the above |

## Using the maps below

Using your browser zoom in to any of the maps below to help you identify the location of your property. Alternatively you can access the maps at the below link:  
<https://www.industry.nsw.gov.au/water/licensing-trade/approvals/controlled-activities/exemptions>

## What supporting evidence do I need?

• Saved or printed screenshot of aerial photo of your property • Saved or printed copy of any maps to identify property boundary • Saved or printed screenshot of the location of your property on the waterfront land map

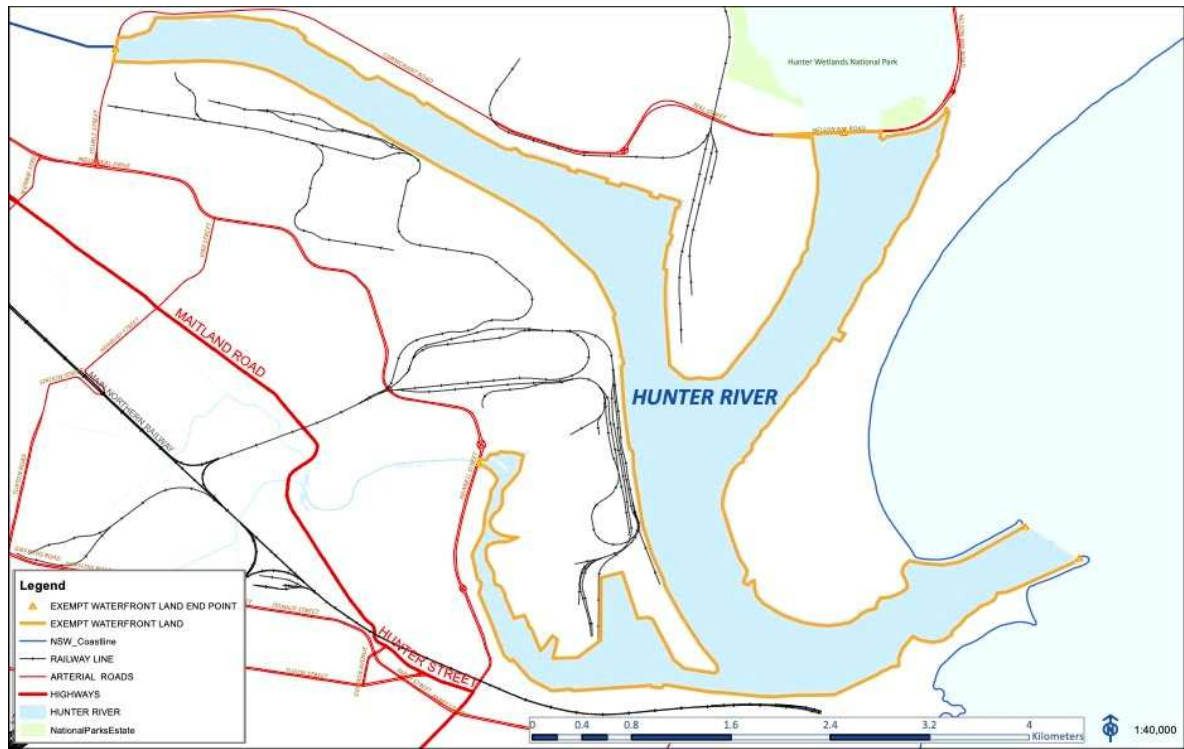
Botany Bay



Brisbane Water



Hunter River

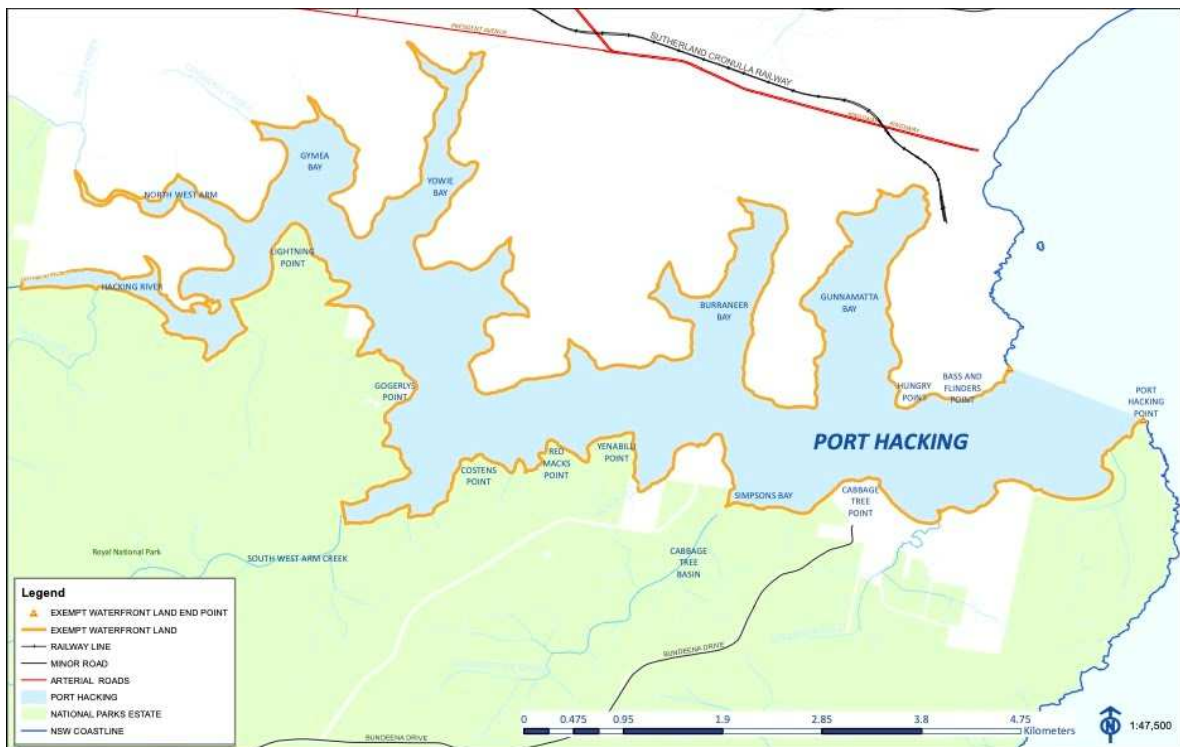


Lake Macquarie

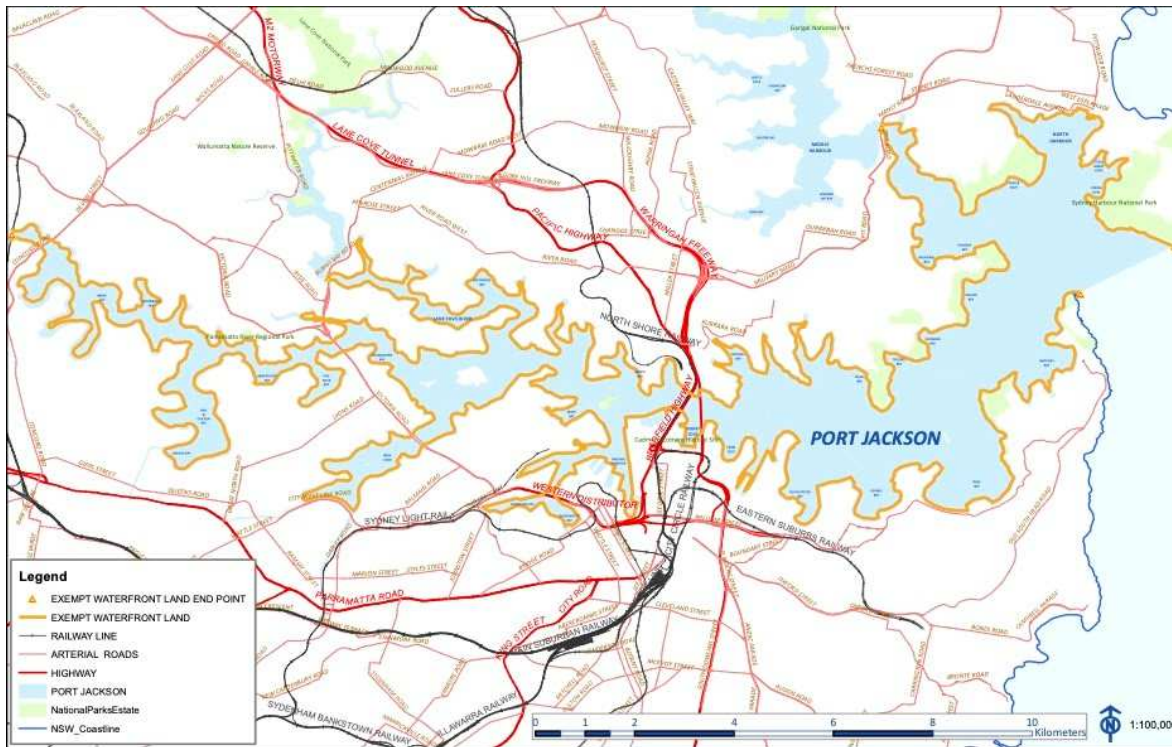




Port Hacking



Port Jackson



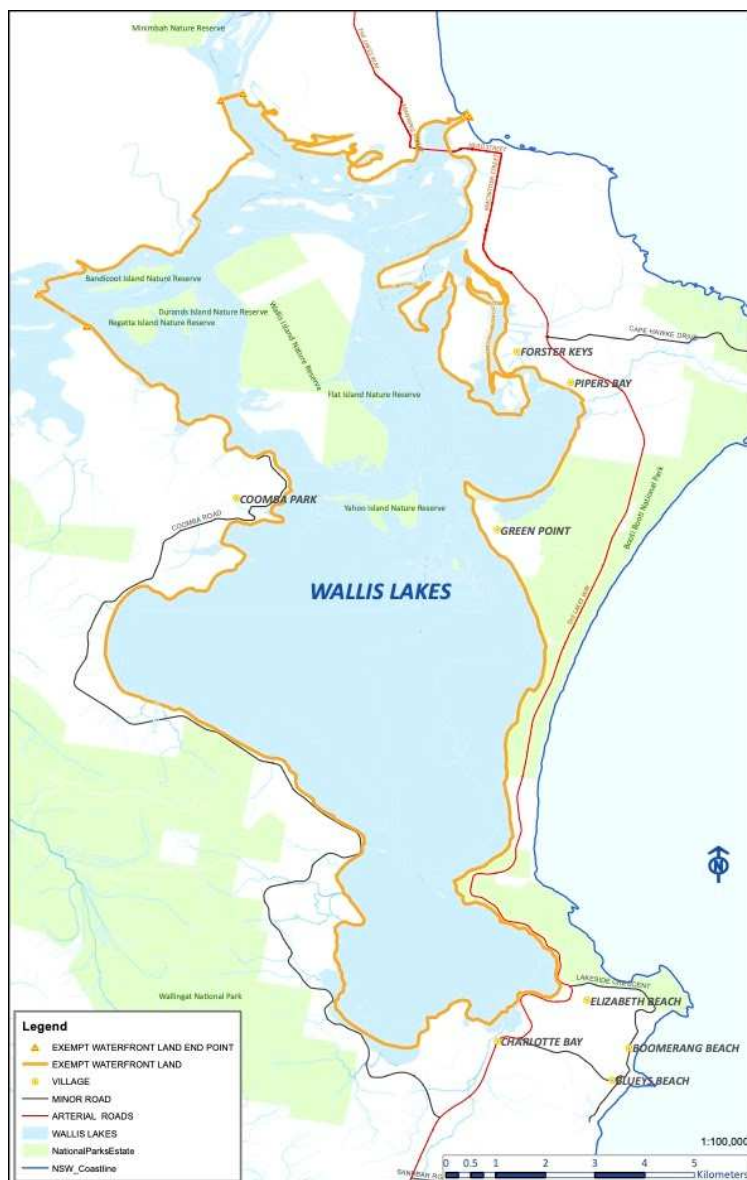
Port Stephens



Tuggerah Lakes



Wallis Lakes



Question 2a - Hydro Line spatial data map

Open the link provided below for the Hydro Line spatial data map and enter your property address.

Is there a blue line on your property or within 40m of the proposed work? \*

Yes

No

What supporting evidence do I need?

• Saved or printed screenshot of aerial photo of your property • Saved or printed copy of any maps to identify property boundary • Saved or printed screenshot of the location of your property on the Hydro Line spatial data map

The Hydroline spatial data is used to determine the Strahler stream order of a watercourse.

<https://trade.maps.arcgis.com/apps/webappviewer/index.html?id=07b967fd0bdc4b0099fc5be45b6d1392>

Collecting evidence in the field

For this part of the tool, you may need to go to your site to collect evidence and answers.

#### What to take into the field

The following equipment will be required to complete field work: • Digital camera • Note taking equipment - notebook or computer • Measuring tape or equipment able to measure 50m • Saved or printed screenshot of aerial photo of your property and the watercourse

#### If you can't do the field work right now, you can save your answers

To save your answers so far in the e-tool, select 'Yes, save my answers' below and click 'Submit' on the next page. You will then be emailed a copy of the answers and a link you can use to return to the e-tool when in the field or after your field work is completed. The link is at the top of the email 'Edit response'.

#### \*This is the only point in the tool where you can stop and return to your answers\*

If you close the tool anywhere else - other than the final 'Submit' page - the data you have entered so far will not be retained.

#### Can't take this tool into the field?

A PDF version is available at: [https://www.industry.nsw.gov.au/\\_\\_data/assets/pdf\\_file/0007/309670/waterfront-hand-tool.pdf](https://www.industry.nsw.gov.au/__data/assets/pdf_file/0007/309670/waterfront-hand-tool.pdf)

#### Would you like to save your answers? \*

Yes, save my answers so I can return here later

No, keep going, I'm ready to answer the field-based questions

#### Question 3 - Determining stream order

Read the Determining stream order fact sheet at the below link.

Then open the link below to the Hydro Line spatial data map.

Zoom out from your property on the map to work out the stream order of your watercourse.

#### What is the stream order? \*

1st or 2nd order stream

3rd order or greater stream

#### Determining Strahler stream order fact sheet

[https://www.industry.nsw.gov.au/\\_\\_data/assets/pdf\\_file/0020/172091/Determining-Strahler-stream-order-fact-sheet.pdf](https://www.industry.nsw.gov.au/__data/assets/pdf_file/0020/172091/Determining-Strahler-stream-order-fact-sheet.pdf)

The Hydro Line spatial data is used to determine the Strahler stream order of a watercourse

[trade.maps.arcgis.com/apps/webappviewer/index.html?id=07b967fd0bdc4b0099fc5be45b6d1392](https://trade.maps.arcgis.com/apps/webappviewer/index.html?id=07b967fd0bdc4b0099fc5be45b6d1392)

#### What supporting evidence do I need?

• Saved or printed screenshot of aerial photo of your property • Saved or printed copy of any maps to identify property boundary • Saved or printed screenshot of the location of your property on the Hydro Line spatial data map • Saved or printed screenshot of annotated Hydro Line spatial data map showing the determination of Strahler stream order

#### Question 4a - Watercourse defined bed or bank

Does the watercourse have a defined bed or bank?



Yes



No

**What supporting evidence do I need?**

• Current site photos looking up and downstream. Photos should be taken within one month of completing this tool and include a date stamp or metadata and a short location description. • Saved or printed screenshot of aerial photo of your property and the watercourse • Written observations of the watercourse including bed, bank and erosion features and flow conditions

Question 4b - NRAR Guide - Watercourse types

Using the photo and diagrams below, choose the watercourse type that best matches the watercourse on your property. \*



Type 1



Type 2



Type 3a



Type 3b



Type 3c



Type 4



Type 5

After answering the question, click next at the bottom of the screen.

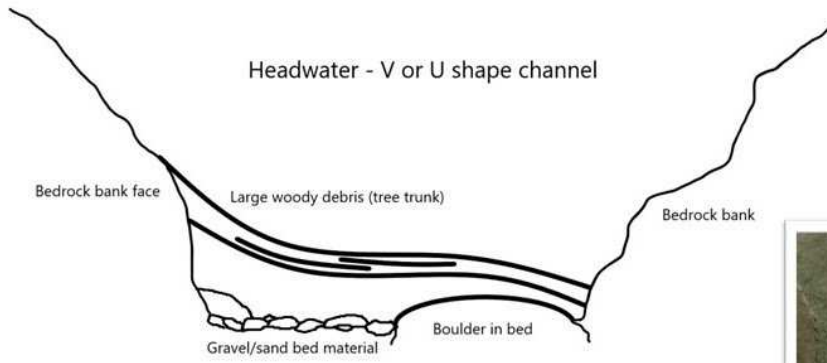
Using the photos and diagrams below

Use your browser to zoom in to the photos and diagrams below.

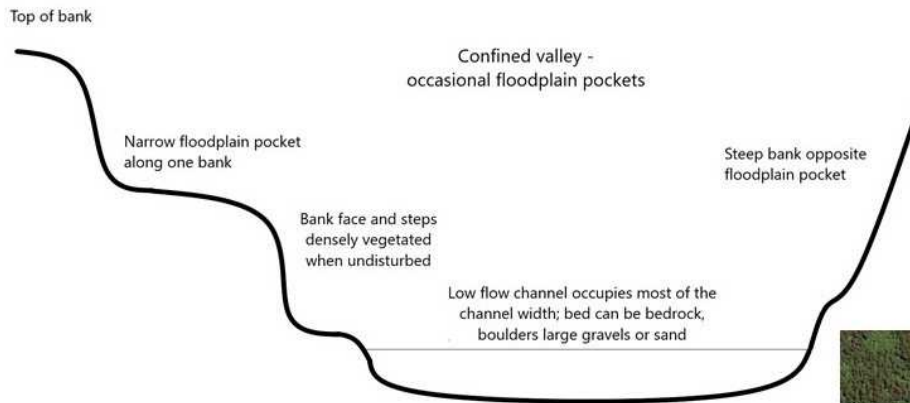
**What supporting evidence do I need?**

• Current site photos looking up and downstream. Photos should be taken within one month of completing this tool and include a date stamp or metadata and a short location description. • Saved or printed screenshot of aerial photo of your property and the watercourse • Saved or printed screenshot of the watercourse type from the NRAR Guide—Watercourse types • Written observations of the watercourse including bed, bank and erosion features and flow conditions

Type 1 - Confined Valley Headwater

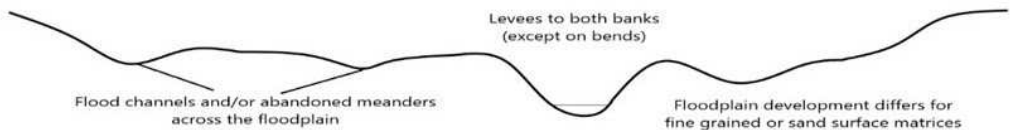


Type 2 - Confined Valley Floodplain Pockets

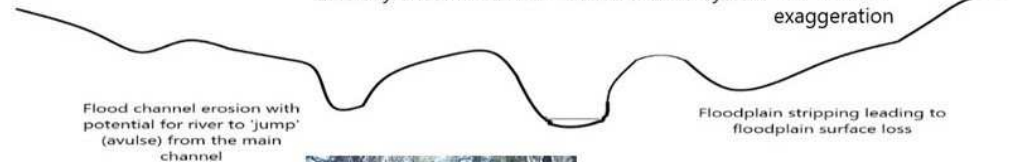


Type 3a - Laterally Unconfined Continuous - Bank Confined

Laterally unconfined river - low sinuosity or meandering river

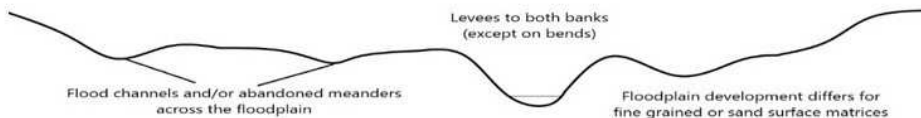


Laterally unconfined river - active channel system 3x vertical exaggeration

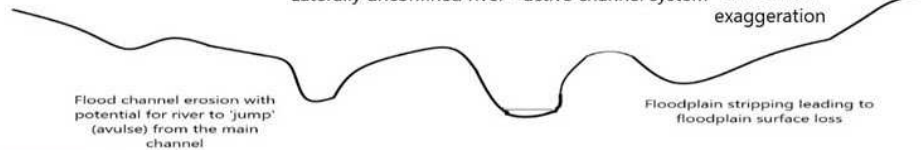


Type 3b - Laterally Unconfined Continuous - Low Sinuosity

Laterally unconfined river - low sinuosity or meandering river

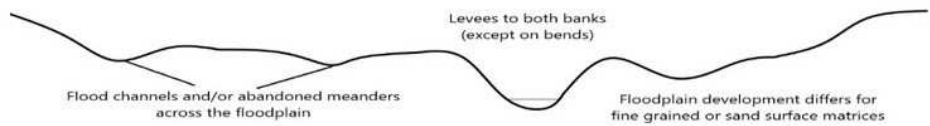


Laterally unconfined river - active channel system 3x vertical exaggeration

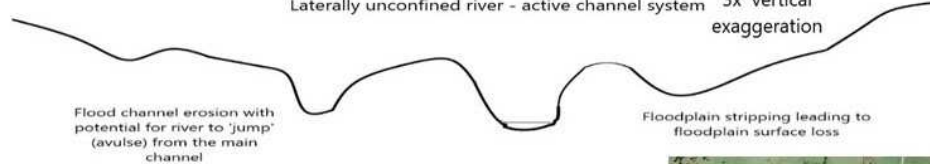


Type 3c - Laterally Unconfined Continuous - Meandering

Laterally unconfined river - low sinuosity or meandering river

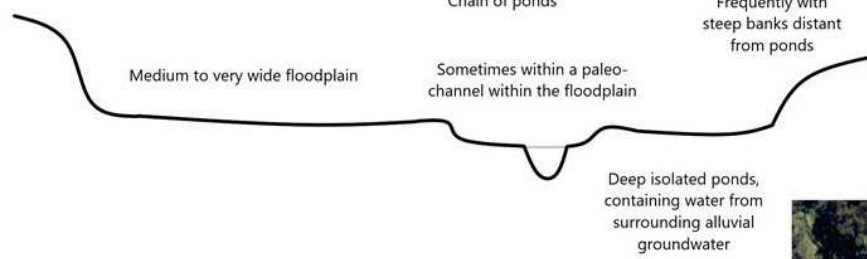


Laterally unconfined river - active channel system 3x vertical exaggeration



Type 4 - Laterally Unconfined Discontinuous

Laterally unconfined - discontinuous channel  
Chain of ponds



Type 5 - Partly Confined Valley

Partly confined, bedrock controlled  
Frequent elevated rock bars  
narrow floodplain strips on inside bends  
Relatively steep banks except on inside bends

Both banks vegetated when not disturbed, frequent large woody debris

Upstream pool depth controlled by downstream rockbar control

Stepped, high bank  
Frequent narrow benches if fine grained material is present

Uneven, elevated rock bars forcing pools upstream

Rock bar chute

Bedrock controlled, sand bed

Bedrock controlled, gravel bed

Channel often has frequent tight bends

Narrow floodplain strip on inside bends

Channel controlled by local bedrock on both banks and by rockbar bed controls

Question 5c - Watercourse features

Using the photos below, are there any watercourse features present? \*

Yes

No

After answering the question, click next at the bottom of the screen.

Using the photos below  
Use your browser to zoom in to the photos below.

What supporting evidence do I need?

- Current site photos looking up and downstream. Photos should be taken within one month of completing this tool and include a date stamp or metadata and a short location description.
- Saved or printed screenshot of aerial photo of your property and the watercourse
- Saved or printed screenshot of the watercourse type from the NRAR Guide—Watercourse features at appendix 6
- Written observations of the watercourse including bed, bank and erosion features and flow conditions

Pools



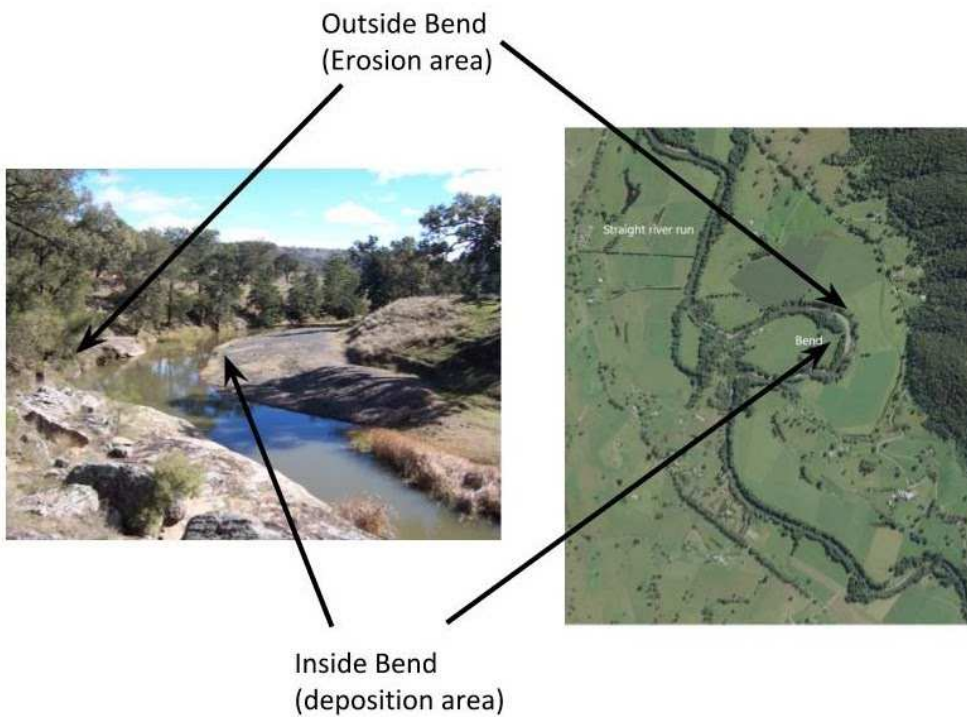
Riffles



Erosion and deposition



Inside or outside bend



Result 12 - Controlled activity approval not required - No watercourse

Based on your answers, the result is:

CONTROLLED ACTIVITY APPROVAL NOT REQUIRED - NO WATERCOURSE

Statements

When completing the e-tool you provided the following answers: • There is no bed or bank • There are no watercourse features

Are ALL of the above statements correct? \*



Yes



No (restart tool)

#### Record keeping and Disclaimer

Please ensure you keep the electronic and/or printed copies of all supporting evidence required for questions answered in this tool and the confirmation email you receive after clicking submit. NOTE: • The results given by this tool are generated using the answers you have provided. If any answers are incorrect or incomplete, the result produced may be incorrect. • This tool is intended for guidance purposes only and cannot be used as evidence of compliance with the Water Management Act 2000. • Users of this tool will be responsible for making their own assessment of the material and should verify all relevant representations, statements and information with their own professional advisers. • This is not an approval to undertake work on waterfront land and you will still need to obtain relevant approvals as required under the Water Management Act 2000 (WM Act). • The use of this tool does not remove the obligation to obtain approval under any other relevant legislation. • Users should also refer to the disclaimer on the department's website at [industry.nsw.gov.au/disclaimer](https://industry.nsw.gov.au/disclaimer).

If ANY of your assessments identify that a controlled activity approval is required for your proposed works, you must complete the following tasks:

• Confirm if an exemption applies to your site or proposed works using the NRAR exemption factsheet at: [https://www.industry.nsw.gov.au/\\_data/assets/pdf\\_file/0004/172093/Controlled-activity-approval-exemptions-fact-sheet.pdf](https://www.industry.nsw.gov.au/_data/assets/pdf_file/0004/172093/Controlled-activity-approval-exemptions-fact-sheet.pdf) • For matters requiring a development application (DA) from Council, you should lodge your DA as Integrated Development. • For matters NOT requiring a DA, please refer to the NRAR website for instructions on how to apply for a Controlled Activity Approval: <https://www.industry.nsw.gov.au/water/licensing-trade/approvals/applications-fees>

You MUST click Submit to be emailed a copy of your answers and your result.

Reminder: The e-tool must be completed separately for each individual mapped or visible watercourse on, or near, your property. If you have multiple properties or multiple watercourses on or near your property, submit your response for the first assessment and then re-start the tool from the beginning to assess another watercourse or property. This will ensure each property and watercourse receives its own separate emailed result outcome that you can keep as a record.

#### Feedback

Please let us know whether you found this tool helpful and what we could do to make it better. Your comments will help us to improve the tool further. Thankyou for your feedback.

How helpful was this tool?

Additional feedback about this tool

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If you have a question or require further information regarding your specific circumstances, please email [nrar.servicedesk@dpie.nsw.gov.au](mailto:nrar.servicedesk@dpie.nsw.gov.au)

If you wish to undertake another assessment, please click 'Submit' below and then select 'Submit another response'.

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