

CM: Submission for the draft Murrumbidgee Floodplain Management Plan

digital.services=squiz.dpie.nsw.gov.au@squiz.regional.nsw.gov.au
<digital.services=squiz.dpie.nsw.gov.au@squiz.regional.nsw.gov.au>

on behalf of

digital.services@squiz.dpie.nsw.gov.au <digital.services@squiz.dpie.nsw.gov.au>

Wed 3/04/2024 4:04 PM

To:Water Floodplain Management Planning Mailbox <floodplain.planning@dpie.nsw.gov.au>

📎 1 attachments (241 KB)

Noel_25424.JPG;

Permission

Do you give permission for your name to be published with your submission? Yes

If you are answering on behalf of an organisation, do you give permission for your organisation's name to be published? Yes

Your details

Full name: Noel Corliss
Address: [Redacted]
Phone number: [Redacted]
Email address: [Redacted]

Submission details

Are you an individual or representing an organisation? Individual

If you selected 'organisation', please specify.:

If you are representing an organisation, who do you represent? Government

If you selected 'other', please specify.:

Have you read the Draft Murrumbidgee Valley Floodplain Management Plan – Report to assist Stage 1 public consultation? No

Did/will you attend any of the following in relation to the Murrumbidgee An individual appointment

Valley Floodplain
Management Plan?:

Proposed floodplain elements

Do you have any
comments on the
proposed floodplain
boundary?:

Do you have any
comments on the
proposed design floods
that were used to model
the floodway network?:

Do you have any
comments on the
proposed floodway
network?:

The water in 2022 was the highest in my time - since 1978 - highest ever seen. 1974 flood was not as high and did not reach the outlying areas. After the Sturt Hwy was built up about 600mm without sufficient culverts and siphons to allow the water to get away quicker, the water is now building up between the Sturt Hwy and Mid western Hwy and between the Sturt Hwy and the Murrumbidgee River. Box tree shown on map is highest point and water never got up to it until 2022 flood.

Do you have any
comments on the
identified Aboriginal
cultural assets and values
on the floodplain?:

Do you have any
comments on the
identified heritage sites
on the floodplain?:

Do you have any
comments on the
identified ecological
assets on the floodplain?:

Local variances from default rules

Do you have any
comments on the types of
flood works that should
be permitted within a
floodway?:

Do you have any
comments on an
appropriate maximum
height (10 to 50 cm) for
standard access roads
within a floodway?:

Do you have any
comments on an
appropriate maximum
height (10 to 100 cm) for
primary access roads
within a floodway?:

Additional feedback

If you have any other comments, please provide them here.:

If you would like to upload a document and/or image of a map containing further feedback, please use the 'Choose file' button below.:

Noel_25424.JPG, type image/jpeg, 196.1 KB

How did you hear about this consultation?:

Other

If you selected 'other', please specify.:

Letter

Do you identify as Aboriginal and/or Torres Strait Islander?:

[Redacted]

Do you speak a language other than English at home?:

[Redacted]

If you selected 'yes', please specify.:

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on behalf of

digital.services@squiz.dpie.nsw.gov.au <digital.services@squiz.dpie.nsw.gov.au>

Wed 3/04/2024 5:14 PM

To:Water Floodplain Management Planning Mailbox <floodplain.planning@dpie.nsw.gov.au>

Permission

Do you give permission for your name to be published with your submission? Yes

If you are answering on behalf of an organisation, do you give permission for your organisation's name to be published? No

Your details

Full name: Geoff Chapman
Address: [Redacted]
Phone number: [Redacted]
Email address: [Redacted]

Submission details

Are you an individual or representing an organisation? Individual

If you selected 'organisation', please specify.:

If you are representing an organisation, who do you represent? Other

If you selected 'other', please specify.: individual

Have you read the Draft Murrumbidgee Valley Floodplain Management Plan – Report to assist Stage 1 public consultation? No

Did/will you attend any of the following in relation to the Murrumbidgee Valley Floodplain Management Plan? An individual appointment

Proposed floodplain elements

Do you have any comments on the proposed floodplain boundary?:	Potentially should be extended to the south - to capture runners that are not in the boundary. Examine historical flow pathways, and consider existing levees effect on these flow paths. Example Creeks between Hay and Booroorban that were running a 1.5 metre deep in 2012 should also be considered in the boundary.
Do you have any comments on the proposed design floods that were used to model the floodway network?:	Further examination of the 2022 flood inundation, levels, distribution should be considered for flood plain management.
Do you have any comments on the proposed floodway network?:	It would be good if we could see individual flood events to see where flood levels came up to our property for each design flood.
Do you have any comments on the identified Aboriginal cultural assets and values on the floodplain?:	No
Do you have any comments on the identified heritage sites on the floodplain?:	No
Do you have any comments on the identified ecological assets on the floodplain?:	No
Local variances from default rules	
Do you have any comments on the types of flood works that should be permitted within a floodway?:	Still have rules for allowing connectivity for flood works.
Do you have any comments on an appropriate maximum height (10 to 50 cm) for standard access roads within a floodway?:	Clearer clarification 10-50cm is referring - example height above what? Hard to interpret what height is based on.
Do you have any comments on an appropriate maximum height (10 to 100 cm) for primary access roads within a floodway?:	Hard to interpret what height is based on.
Additional feedback	
If you have any other comments, please provide them here.:	Roadways are causing flooding problems e.g. Sturt Highway. There need to be adequate drainage (siphons and culverts) to allow floodwater to reach the full extent of floodplain and flood runners (box gum trees) and reduce risk of flood to properties that have higher level

of flooding. Even red country (higher country) is getting flooded in recent flood events. A program should include reconnect box gum woodland through management of existing floodplain structures (including roads).

If you would like to upload a document and/or image of a map containing further feedback, please use the 'Choose file' button below.:

No file uploaded

How did you hear about this consultation?:

Other

If you selected 'other', please specify.:

Neighbour

Do you identify as Aboriginal and/or Torres Strait Islander?:

[Redacted]

Do you speak a language other than English at home?:

[Redacted]

If you selected 'yes', please specify.:

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on behalf of

digital.services@squiz.dpie.nsw.gov.au <digital.services@squiz.dpie.nsw.gov.au>

Thu 4/04/2024 10:49 AM

To:Water Floodplain Management Planning Mailbox <floodplain.planning@dpie.nsw.gov.au>

📎 1 attachments (4 MB)

[Redacted] png;

Permission

Do you give permission for your name to be published with your submission?: No

If you are answering on behalf of an organisation, do you give permission for your organisation's name to be published?: No

Your details

Full name: [Redacted]
Address: [Redacted]
Phone number: [Redacted]
Email address: [Redacted]

Submission details

Are you an individual or representing an organisation?: Individual

If you selected 'organisation', please specify.:

If you are representing an organisation, who do you represent?: Other

If you selected 'other', please specify.: Individual

Have you read the Draft Murrumbidgee Valley Floodplain Management Plan – Report to assist Stage 1 public consultation?: No

Did/will you attend any of the following in relation to the Murrumbidgee Valley Floodplain Management Plan?: An individual appointment

Proposed floodplain elements

Do you have any comments on the proposed floodplain boundary?:

Do you have any comments on the proposed design floods that were used to model the floodway network?:

Do you have any comments on the proposed floodway network?: Two property maps provided that highlight areas that need to be excluded from the inundation extent. Reasons given on maps.

Do you have any comments on the identified Aboriginal cultural assets and values on the

floodplain?:

Do you have any comments on the identified heritage sites on the floodplain?:

Do you have any comments on the identified ecological assets on the floodplain?:

Local variances from default rules

Do you have any comments on the types of flood works that should be permitted within a floodway?:

Do you have any comments on an appropriate maximum height (10 to 50 cm) for standard access roads within a floodway?:

Do you have any comments on an appropriate maximum height (10 to 100 cm) for primary access roads within a floodway?: 50 cm to give strength

Additional feedback

If you have any other comments, please provide them here.:

If you would like to upload a document and/or image of a map containing further feedback, please use the 'Choose file' button below.:

[Redacted] png, type image/png, 2.2 MB

How did you hear about this consultation?: FaceBook

If you selected 'other', please specify.:

Do you identify as Aboriginal and/or Torres Strait Islander?:

[Redacted]

Do you speak a language other than English at home?:

[Redacted]

If you selected 'yes', please specify.:

CM: Submission for the draft Murrumbidgee Floodplain Management Plan

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on behalf of

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Thu 4/04/2024 2:12 PM

To:Water Floodplain Management Planning Mailbox <floodplain.planning@dpie.nsw.gov.au>

📎 1 attachments (26 KB)

Yanco Map.jpg;

Permission

Do you give permission for your name to be published with your submission? Yes

If you are answering on behalf of an organisation, do you give permission for your organisation's name to be published? Yes

Your details

Full name: Tanya Thompson

Address: [Redacted]

Phone number: [Redacted]

Email address: [Redacted]

Submission details

Are you an individual or representing an organisation? An organisation

If you selected 'organisation', please specify.: Yanco Creek and Tributaries Advisory Council Inc

If you are representing an organisation, who do you represent?: Peak representative organisation

If you selected 'other', please specify.:

Have you read the Draft Murrumbidgee Valley Floodplain Management Plan – Report to assist Stage 1 public consultation? Yes

Did/will you attend any of the following in relation to the Murrumbidgee Valley Floodplain Management Plan?: None of these

Proposed floodplain elements

Do you have any comments on the proposed floodplain boundary?:

No, not on the boundary. But on the map used for the boundary and other subsequent maps I do have a comment. The Yanco Creek runs into the Billabong Creek and the Billabong Creek is not present on the map. In fact the lower section of the map shows the Forest Creek anabranh, which is incorrect. Also the spelling of the Colombo Creek is incorrect throughout the document. It is spelt Columbo in the document and this should be recified, to COLOMBO creek.

Do you have any comments on the proposed design floods that were used to model the floodway network?:

No

Do you have any comments on the proposed floodway network?:

No

Do you have any comments on the identified Aboriginal cultural assets and values on the floodplain?:

No

Do you have any comments on the identified heritage sites on the floodplain?:

No

Do you have any comments on the identified ecological assets on the floodplain?:

No

Local variances from default rules

Do you have any comments on the types of flood works that should be permitted within a floodway?:

No

Do you have any comments on an appropriate maximum height (10 to 50 cm) for standard access roads within a floodway?:

No

Do you have any comments on an appropriate maximum height (10 to 100 cm) for primary access roads within a floodway?:

Yes, throughout the document only 10-50cms is mentioned. This is both for primary and standard access roads. 100cm is not mentioned in the document at all. Is this an error? I believe the primary roads should have a larger scale (to 100cm). However the document should reflect this and currently I believe it doesn't. Or at least I couldn't find mention of it.

Additional feedback

If you have any other comments, please provide them here.:

The Billabong Creek should be shown in the map. It runs from Holbrook to Moulamein. The current map indicates incorrectly that the Yanco Creek stops. Also the Forest Creek anabranh is incorrectly named. The lower Forest Creek is ephemeral and no longer runs due to the Water for Rivers program which took 36.5GL of water from the Yanco Creek System for the Snowy River. See attached file.

If you would like to upload a document and/or image of a map containing further feedback, please use the 'Choose file' button below.:

Yanco Map.jpg, type image/jpeg, 25.6 KB

How did you hear about this consultation?:

Department's website

If you selected 'other', please specify.:

Do you identify as Aboriginal and/or Torres Strait Islander?:

[Redacted]

Do you speak a language other than English at home?:

[Redacted]

If you selected 'yes', please specify.:

Submission for the draft Murrumbidgee Floodplain Management Plan

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on behalf of

digital.services@squiz.dpie.nsw.gov.au <digital.services@squiz.dpie.nsw.gov.au>

Wed 10/04/2024 9:24 AM

To:Water Floodplain Management Planning Mailbox <floodplain.planning@dpie.nsw.gov.au>

📎 3 attachments (2 MB)

Ecological Assets - Interative Map - Narrandera.JPG; Draft Murrumbidgee Valley Flood Management Plan - Narrandera.JPG;
1% AEP - Indicative Extent and Depth of Inundation - Narrandera.JPG;

Permission

Do you give permission
for your name to be
published with your
submission? Yes

If you are answering on
behalf of an organisation,
do you give permission No
for your organisation's
name to be published?:

Your details

Full name: Fred Hammer

Address: [REDACTED]

Phone number: [REDACTED]

Email address: [REDACTED]

Submission details

Are you an individual or
representing an organisation? An organisation

If you selected
'organisation', please
specify.:

If you are representing an
organisation, who do you
represent?: [REDACTED]

If you selected 'other',
please specify.:

Have you read the Draft
Murrumbidgee Valley
Floodplain Management
Plan – Report to assist
Stage 1 public
consultation? Yes

Did/will you attend any of An individual appointment
the following in relation

to the Murrumbidgee
Valley Floodplain
Management Plan?:

Proposed floodplain elements

Do you have any
comments on the
proposed floodplain
boundary?:

Do you have any
comments on the
proposed design floods
that were used to model
the floodway network?:

The indicated extent of inundation indicated on the interactive flood mapping for the Narrandera Township based on a 1% AEP is not consistent with the current adopted Narrandera Floodplain Risk Management Study and Plan. The Flood inundation does not extent past the Murrumbidgee canal system. This is show on Figure 2.4 of the Review of the Narrandera Floodplain Risk Management Study and Plan 2019.

Do you have any
comments on the
proposed floodway
network?:

Do you have any
comments on the
identified Aboriginal
cultural assets and values
on the floodplain?:

Do you have any
comments on the
identified heritage sites
on the floodplain?:

Do you have any
comments on the
identified ecological
assets on the floodplain?:

The Ecological assessment that is show at Narrandera includes many freehold land parcels.

Local variances from default rules

Do you have any
comments on the types
of flood works that
should be permitted
within a floodway?:

Do you have any
comments on an
appropriate maximum
height (10 to 50 cm) for
standard access roads
within a floodway?:

Do you have any
comments on an
appropriate maximum
height (10 to 100 cm) for
primary access roads
within a floodway?:

Additional feedback

If you have any other comments, please provide them here.:

If you would like to upload a document and/or image of a map containing further feedback, please use the 'Choose file' button below.:

Ecological Assets - Interative Map - Narrandera.JPG, type image/jpeg, 436.8 KB | Draft Murrumbidgee Valley Flood Management Plan - Narrandera.JPG, type image/jpeg, 440.5 KB | 1% AEP - Indicative Extent and Depth of Inundation - Narrandera.JPG, type image/jpeg, 192.1 KB

How did you hear about this consultation?:

Email or newsletter from the department

If you selected 'other', please specify.:

Do you identify as Aboriginal and/or Torres Strait Islander?:



Do you speak a language other than English at home?:



If you selected 'yes', please specify.:

Submission for the draft Murrumbidgee Floodplain Management Plan

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<digital.services=squiz.dpie.nsw.gov.au@squiz.regional.nsw.gov.au>

on behalf of

digital.services@squiz.dpie.nsw.gov.au <digital.services@squiz.dpie.nsw.gov.au>

Wed 10/04/2024 3:40 PM

To:Water Floodplain Management Planning Mailbox <floodplain.planning@dpie.nsw.gov.au>

📎 1 attachments (3 MB)

10.04.2024 Richard Stott and John.docx;

Permission

Do you give permission for your name to be published with your submission? Yes

If you are answering on behalf of an organisation, do you give permission for your organisation's name to be published? Yes

Your details

Full name: Richard Stott

Address: [Redacted]

Phone number: [Redacted]

Email address: [Redacted]

Submission details

Are you an individual or representing an organisation? An organisation

If you selected 'organisation', please specify.: Point Farms

If you are representing an organisation, who do you represent?: Irrigation industry

If you selected 'other', please specify.:

Have you read the Draft Murrumbidgee Valley Floodplain Management Plan – Report to assist Stage 1 public consultation? No

Did/will you attend any of the following in relation to the Murrumbidgee Valley Floodplain Management Plan? An individual appointment

Proposed floodplain elements

Do you have any comments on the proposed floodplain

boundary?:

Do you have any comments on the proposed design floods that were used to model the floodway network?:

Yes Image below – red is main flood path. Area to north with xx is incorrect. Overflow area appears accurate. Location: [redacted] [redacted] Darlington Point, New South Wales, 2706, AUS - Will be attached.

Do you have any comments on the identified Aboriginal cultural assets and values on the floodplain?:

No

Do you have any comments on the identified heritage sites on the floodplain?:

No

Do you have any comments on the identified ecological assets on the floodplain?:

Yes In image below (red section) – ecological vegetation community consisting of black box, some trees, tea tree and some yellow box.

Local variances from default rules

Do you have any comments on the types of flood works that should be permitted within a floodway?:

No

Do you have any comments on an appropriate maximum height (10 to 50 cm) for standard access roads within a floodway?:

The 50cm is not high enough. Double height of 100 cm would allow to get to infrastructure.

Do you have any comments on an appropriate maximum height (10 to 100 cm) for primary access roads within a floodway?:

No comment.

Additional feedback

If you have any other comments, please provide them here.:

Grants would assist in design and implementing flood works and for maintenance of these works. One on one meetings preferred and works well. Phone calls to inform of events relating to FMPs.

If you would like to upload a document and/or image of a map containing further feedback, please use the 'Choose file' button below.:

10.04.2024 Richard Stott and John.docx, type application/vnd.openxmlformats-officedocument.wordprocessingml.document, 3.2 MB

How did you hear about this consultation?:

Other

If you selected 'other', please specify.:

Family and groundwater and private irrigators.

Do you identify as Aboriginal and/or Torres Strait Islander?:

[redacted]

Do you speak a language other than English at home?: [REDACTED]

If you selected 'yes', please specify.: [REDACTED]

Submission form for the draft Murrumbidgee Valley Floodplain Management Plan: Stage 1 public consultation

How to fill out this form

The NSW Department of Climate Change, Energy, the Environment and Water is seeking your comments on key elements that will be used to prepare the draft Floodplain Management Plan for the Murrumbidgee Valley Floodplain.

We are seeking feedback through a public submission process from Monday 25 March to Sunday 5 May 2024. The publication [Draft Murrumbidgee Valley Floodplain Management Plan – Report to assist Stage 1 public consultation](#) provides information that can assist with completing this submission form. This report is available on the department's website at water.nsw.gov.au/murrumbidgee-floodplain-management-plan

To provide feedback on the maps shown in Figures 1, 2 and 5 in the report, we recommend you:

1. take a screenshot of the relevant area/s displayed on the [interactive spatial map](#)
2. use a drawing tool to illustrate feedback or refer to the area shown in written feedback
3. save the screenshot of the map as an image file and attach it to your submission.

How to submit your feedback

Have your say by Sunday 5 May 2024.

Save or print the completed submission form and send it via:

Email: floodplain.planning@dpie.nsw.gov.au OR

Post: Murrumbidgee Valley FMP

Water Group – NSW DCCEEW

PO Box 189

Queanbeyan NSW 2620

Information on privacy and confidentiality

All submissions received by the NSW Department of Climate Change, Energy, the Environment and Water will be reviewed and published. The department values your input and accepts that information you provide may be private and personal.

If you want your submission or your personal details to be treated as confidential, please indicate this by ticking the relevant box below.

Your information will be handled by the department in accordance with the *Privacy and Personal Information Protection Act 1998*. Any personal information you provide in completing this form will only be used to inform the development of the Murrumbidgee Valley Floodplain Management Plan. We will not use or disclose the information for any other purpose, unless required or authorised to do so.

If you would like to know more about how the department meets its obligations in collecting, storing, using and sharing personal information, you can read our complete Privacy Policy or Privacy Management Plan.

If you wish to view or amend the information held by us, you can email us at floodplain.planning@dpie.nsw.gov.au, or contact the department's privacy officer on 02 9860 1440 or at privacy@dpie.nsw.gov.au.

Do you give permission for your name to be published with your submission?

Yes No

If you are answering on behalf of an organisation, do you give permission for your organisation's name to be published?

Yes No

Your details

1. Full name	[REDACTED]
2. Email address	[REDACTED]
3. Address	[REDACTED]
4. Phone number	[REDACTED]
5. Are you an individual or representing an organisation? (Mark only one)	<input type="checkbox"/> Individual (skip to question 7) <input type="checkbox"/> Organisation
6. Name of organisation	
7. Who are you representing?	<input type="checkbox"/> Government <input type="checkbox"/> Peak representative organisation <input type="checkbox"/> First Nations organisation <input type="checkbox"/> Environmental organisation <input type="checkbox"/> Irrigation industry <input type="checkbox"/> Mining industry <input type="checkbox"/> Other (please specify):
8. Did you attend any of the following in relation to the Murrumbidgee Valley Floodplain Management Plan?	<input type="checkbox"/> An individual appointment <input type="checkbox"/> A phone call with departmental staff <input type="checkbox"/> None of these
9. Have you read the Draft Murrumbidgee Valley Floodplain Management Plan - Report to assist Stage 1 public consultation?	<input type="checkbox"/> Yes <input type="checkbox"/> No

The following sections relate to the feedback we are seeking on key elements for development of the floodplain management plan as described in the Report to assist Stage 1 public consultation. Follow the steps on page 1 to provide feedback on the maps shown in Figures 1, 2 and 5.

Proposed floodplain boundary

Figure 1 in the Report to assist Stage 1 public consultation shows the proposed floodplain boundary. For a higher resolution version of the proposed floodplain boundary, see [Stage 1 Interactive Spatial Map](#).

<p>Please provide any comments you may have on the proposed floodplain boundary.</p> <p><i>(If relevant please attach a map to your submission.)</i></p>	
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Proposed design floods

The following design floods were used to model the floodway network:

- large design flood of March 2012: 2% AEP at the Murrumbidgee River at Narrandera gauge (410005)
- small design flood of October 2016: 14% AEP at the Murrumbidgee River at Narrandera gauge (410005).

More information about the proposed design floods is available in the [Report to assist Stage 1 public consultation](#).

<p>Please provide any comments you may have on the proposed design floods.</p>	
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Proposed floodway network

Figure 2 in the [Report to assist Stage 1 public consultation](#) shows the proposed floodway network. For a higher resolution version of the proposed floodway network, see [Stage 1 Interactive Spatial Map](#).

<p>Please provide any comments you may have on the proposed floodway network.</p> <p><i>(If relevant please attach a map to your submission.)</i></p>	
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Identified Aboriginal cultural assets and values

Figure 3 in the [Report to assist Stage 1 public consultation](#) shows the identified Aboriginal cultural assets and values on the floodplain.

<p>Please provide any comments you may have on the identified Aboriginal cultural assets and values on the floodplain.</p>	
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Identified heritage sites

Figure 4 in the [Report to assist Stage 1 public consultation](#) shows the identified heritage sites on the floodplain.

Please provide any comments you may have on the identified heritage sites on the floodplain.

Identified ecological assets

Figure 5 in the [Report to assist Stage 1 public consultation](#) shows the identified ecological assets on the floodplain. For a higher resolution version of the identified ecological assets, see [Stage 1 Interactive Spatial Map](#).

Please provide any comments you may have on the identified ecological assets on the floodplain.

(If relevant please attach a map to your submission.)

Local variances from default rules for flood work applications in different areas of the floodplain

Floodplain management plans follow a default rule set which determines what can be assessed and approved as a flood work. These rule sets fall into two main categories depending on the location of the work:

1. **Floodways and areas of ecological, heritage or Aboriginal cultural significance** – works in these areas will be restricted to specific types essential for the protection of life and property, or improvement of the floodplain.
2. **Inundation extent and flood fringe** – all work types are permitted, subject to conditions and assessment criteria.

There are some specific aspects of the rule set that can be tailored to account for local conditions and needs. These aspects are detailed in the [Report to assist Stage 1 public consultation](#) and are subject to consultation outcomes.

<p>Please provide any comments you may have on the types of flood works that should be permitted within a floodway.</p>	
<p>Please provide any comments that you may have on an appropriate maximum height (10 to 50 cm) for <i>standard access roads</i> within a floodway.</p>	
<p>Please provide any comments that you may have on an appropriate maximum height for <i>primary access roads</i> within a floodway.</p>	

Additional information

If you would like to provide any additional information to help us understand your feedback, please attach this to your submission.

Thank you for completing this form.

Submission for the draft Murrumbidgee Floodplain Management Plan

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 <digital.services=squiz.dpie.nsw.gov.au@squiz.regional.nsw.gov.au>
 on behalf of
 digital.services@squiz.dpie.nsw.gov.au <digital.services@squiz.dpie.nsw.gov.au>
 Wed 10/04/2024 5:30 PM
 To:Water Floodplain Management Planning Mailbox <floodplain.planning@dpie.nsw.gov.au>

 1 attachments (333 KB)
 Rex and Dulcie Boag.docx;

Permission

Do you give permission for your name to be published Yes with your submission?:

If you are answering on behalf of an organisation, do you give permission for Yes your organisation's name to be published?:

Your details

Full name: Rex and Dulcie Boag
 Address: [Redacted]
 Phone number: [Redacted]
 Email address: [Redacted]

Submission details

Are you an individual or representing an Individual organisation?:

If you selected 'organisation', please specify.:

If you are representing an organisation, who do you Other represent?:

If you selected 'other', please specify.:

Have you read the Draft Murrumbidgee Valley Floodplain Management Plan – Report to assist No Stage 1 public consultation?:

Did/will you attend any of An individual appointment the following in relation to the Murrumbidgee Valley

Floodplain Management Plan?:

Proposed floodplain elements

Do you have any comments on the proposed floodplain boundary?: Reviewed and it looks accurate.

Do you have any comments on the proposed design floods that were used to model the floodway network?: Yes - Happy that 2012 flood event was used

Do you have any comments on the proposed floodway network?:

Do you have any comments on the identified Aboriginal cultural assets and values on the floodplain?: No

Do you have any comments on the identified heritage sites on the floodplain?: No

Do you have any comments on the identified ecological assets on the floodplain?: No

Local variances from default rules

Do you have any comments on the types of flood works that should be permitted within a floodway?:

Do you have any comments on an appropriate maximum height (10 to 50 cm) for standard access roads within a floodway?: Thats fine.

Do you have any comments on an appropriate maximum height (10 to 100 cm) for primary access roads within a floodway?: No

Additional feedback

If you have any other comments, please provide them here.:

Pipe should be put in place on [redacted] channel to assist floodwater to move from our property. Pipe should be put in place on [redacted] road adjacent to [redacted] way to assist floodwater to move from property. Water should be allowed to flow in a western direction un in [redacted] not restricted.

If you would like to upload a document and/or image of a map containing further feedback, please use the 'Choose file' button below.:

Rex and Dulcie Boag.docx, type application/vnd.openxmlformats-officedocument.wordprocessingml.document, 332.1 KB

How did you hear about this consultation?:

Other

If you selected 'other', please specify.:

Landholder letter

Do you identify as Aboriginal and/or Torres Strait Islander?:

[redacted]

Do you speak a language other than English at home?:

[redacted]

If you selected 'yes', please specify.:

Submission for the draft Murrumbidgee Floodplain Management Plan

digital.services=squiz.dpie.nsw.gov.au@squiz.regional.nsw.gov.au
<digital.services=squiz.dpie.nsw.gov.au@squiz.regional.nsw.gov.au>
on behalf of
digital.services@squiz.dpie.nsw.gov.au <digital.services@squiz.dpie.nsw.gov.au>

Thu 11/04/2024 11:04 AM

To:Water Floodplain Management Planning Mailbox <floodplain.planning@dpie.nsw.gov.au>

Permission

Do you give permission for your name to be published with your submission?: Yes

If you are answering on behalf of an organisation, do you give permission for your organisation's name to be published?: Yes

Your details

Full name: Mary Lia
Address: [Redacted]
Phone number: [Redacted]
Email address: [Redacted]

Submission details

Are you an individual or representing an organisation?: Individual

If you selected 'organisation', please specify.:
If you are representing an organisation, who do you represent?: Other

If you selected 'other', please specify.: Grazxier

Have you read the Draft Murrumbidgee Valley Floodplain Management Plan – Report to assist Stage 1 public consultation?: No

Did/will you attend any of the following in relation to the Murrumbidgee Valley Floodplain Management Plan?: An individual appointment

Proposed floodplain elements

Do you have any comments on the proposed floodplain boundary?: Looks pretty accurate.

Do you have any comments on the proposed design floods that were used to model the floodway network?: No comment

Do you have any comments on the proposed floodway network?: Floodway network areas are pretty accurate representation of flows.

Do you have any comments on the identified Aboriginal cultural assets and values on the floodplain?: No areas of significance.

Do you have any comments on the identified heritage sites on the floodplain?: No areas of significance.

Do you have any comments on the identified ecological assets on the floodplain?:

Pretty accurate for this property.

Local variances from default rules

Do you have any comments on the types of flood works that should be permitted within a floodway?:

2 x old levees that have breached and not repaired. No impact on flow./ No impact on flow in the landscape.

Do you have any comments on an appropriate maximum height (10 to 50 cm) for standard access roads within a floodway?:

No comment

Do you have any comments on an appropriate maximum height (10 to 100 cm) for primary access roads within a floodway?:

No comment=

Additional feedback

If you have any other comments, please provide them here.:

Flood will find it way.,

If you would like to upload a document and/or image of a map containing further feedback, please use the 'Choose file' button below.:

No file uploaded

How did you hear about this consultation?:

Email or newsletter from the department

If you selected 'other', please specify.:

Do you identify as Aboriginal and/or Torres Strait Islander?:



Do you speak a language other than English at home?:



If you selected 'yes', please specify.:

Submission form for the draft Murrumbidgee Valley Floodplain Management Plan: Stage 1 public consultation

How to fill out this form

The NSW Department of Climate Change, Energy, the Environment and Water is seeking your comments on key elements that will be used to prepare the draft Floodplain Management Plan for the Murrumbidgee Valley Floodplain.

We are seeking feedback through a public submission process from Monday 25 March to Sunday 5 May 2024. The publication [Draft Murrumbidgee Valley Floodplain Management Plan – Report to assist Stage 1 public consultation](#) provides information that can assist with completing this submission form. This report is available on the department's website at

water.nsw.gov.au/murrumbidgee-floodplain-management-plan

To provide feedback on the maps shown in Figures 1, 2 and 5 in the report, we recommend you:

1. take a screenshot of the relevant area/s displayed on the [interactive spatial map](#)
2. use a drawing tool to illustrate feedback or refer to the area shown in written feedback
3. save the screenshot of the map as an image file and attach it to your submission.

How to submit your feedback

Have your say by Sunday 5 May 2024.

Save or print the completed submission form and send it via:

Email: floodplain.planning@dpie.nsw.gov.au OR

Post: Murrumbidgee Valley FMP

Water Group – NSW DCCEEW

PO Box 189

Queanbeyan NSW 2620

Information on privacy and confidentiality

All submissions received by the NSW Department of Climate Change, Energy, the Environment and Water will be reviewed and published. The department values your input and accepts that information you provide may be private and personal.

If you want your submission or your personal details to be treated as confidential, please indicate this by ticking the relevant box below.

Your information will be handled by the department in accordance with the Privacy and Personal Information Protection Act 1998. Any personal information you provide in completing this form will only be used to inform the development of the Murrumbidgee Valley Floodplain Management Plan. We will not use or disclose the information for any other purpose, unless required or authorised to do so.

If you would like to know more about how the department meets its obligations in collecting, storing, using and sharing personal information, you can read our complete Privacy Policy or Privacy Management Plan.

If you wish to view or amend the information held by us, you can email us at floodplain.planning@dpie.nsw.gov.au, or contact the department's privacy officer on 02 9860 1440 or at privacy@dpie.nsw.gov.au.

~~Do you~~ give permission for your name to be published with your submission?

Yes No

~~If you are answering on behalf of an organisation,~~ do you give permission for your organisation's name to be published?

Yes No

Your details

1. Full name

2. Email address

3. Address

4. Phone number

5. Are you an individual or representing an organisation?
 Individual (skip to question 7)
 Organisation

(Mark only one)

6. Name of organisation

7. Who are you representing?

- Government
- Peak representative organisation
- First Nations organisation
- Environmental organisation
- Irrigation industry
- Mining industry
- Other (please specify): *catch*

8. Did you attend any of the following in relation to the Murrumbidgee Valley Floodplain Management Plan?

- An individual appointment
- A phone call with departmental staff
- None of these

9. Have you read the Draft Murrumbidgee Valley Floodplain Management Plan - Report to assist Stage 1 public consultation?

Yes No

The following sections relate to the feedback we are seeking on key elements for development of the floodplain management plan as described in the Report to assist Stage 1 public consultation. Follow the steps on page 1 to provide feedback on the maps shown in Figures 1, 2 and 5.

Proposed floodplain boundary

Figure 1 in the Report to assist Stage 1 public consultation shows the proposed floodplain boundary. For a higher resolution version of the proposed floodplain boundary, see [Stage 1 Interactive Spatial Map](#).

Please provide any comments you may have on the proposed floodplain boundary.

(If relevant please attach a map to your submission.)

Property boundary needs to be extended.

Proposed design floods

The following design floods were used to model the floodway network:

- large design flood of March 2012: 2% AEP at the Murrumbidgee River at Narrandera gauge (410005)
- small design flood of October 2016: 14% AEP at the Murrumbidgee River at Narrandera gauge (410005).

More information about the proposed design floods is available in the [Report to assist Stage 1 public consultation](#).

Please provide any comments you may have on the proposed design floods.

*The 2022 flood was larger impacted the property & business & flood waters remained for 170 days.
The 2022 floods seem more relevant.*



Proposed floodway network

Figure 2 in the [Report to assist Stage 1 public consultation](#) shows the proposed floodway network. For a higher resolution version of the proposed floodway network, see [Stage 1 Interactive Spatial Map](#).

Please provide any comments you may have on the proposed floodway network.

(If relevant please attach a map to your submission.)

Needs to be extended.

Identified Aboriginal cultural assets and values

Figure 3 in the [Report to assist Stage 1 public consultation](#) shows the identified Aboriginal cultural assets and values on the floodplain.

Please provide any comments you may have on the identified Aboriginal cultural assets and values on the floodplain.

N/A

Identified heritage sites

Figure 4 in the [Report to assist Stage 1 public consultation](#) shows the identified heritage sites on the floodplain.

Please provide any comments you may have on the identified heritage sites on the floodplain.

Identified ecological assets

Figure 5 in the Report to assist Stage 1 public consultation shows the identified ecological assets on the floodplain. For a higher resolution version of the identified ecological assets, see Stage 1 Interactive Spatial Map.

Please provide any comments you may have on the identified ecological assets on the floodplain.

(If relevant please attach a map to your submission.)

The ecological asset has been destroyed due to floods & now the invasive ground cover (Lippia) - Phyla canescens covers the property

Local variances from default rules for flood work applications in different areas of the floodplain

Floodplain management plans follow a default rule set which determines what can be assessed and approved as a flood work. These rule sets fall into two main categories depending on the location of the work:

1. **Floodways and areas of ecological, heritage or Aboriginal cultural significance** – works in these areas will be restricted to specific types essential for the protection of life and property, or improvement of the floodplain.
2. **Inundation extent and flood fringe** – all work types are permitted, subject to conditions and assessment criteria.

There are some specific aspects of the rule set that can be tailored to account for local conditions and needs. These aspects are detailed in the Report to assist Stage 1 public consultation and are subject to consultation outcomes.

Submission form

Please provide any comments you may have on the types of flood works that should be permitted within a floodway.	N/A.
Please provide any comments that you may have on an appropriate maximum height (10 to 50 cm) for standard access roads within a floodway.	N/A.
Please provide any comments that you may have on an appropriate maximum height for primary access roads within a floodway.	N/A.

Additional information

If you would like to provide any additional information to help us understand your feedback, please attach this to your submission.

Thank you for completing this form.

In the mapping used - the creek that borders north section of property is incorrect. Currently called Murrumbidgee. Creek name incorrect - [redacted] Creek.

CM: Submission for the draft Murrumbidgee Floodplain Management Plan

digital.services=squiz.dpie.nsw.gov.au@squiz.regional.nsw.gov.au

<digital.services=squiz.dpie.nsw.gov.au@squiz.regional.nsw.gov.au>

on behalf of

digital.services@squiz.dpie.nsw.gov.au <digital.services@squiz.dpie.nsw.gov.au>

Fri 19/04/2024 12:54 AM

To:Water Floodplain Management Planning Mailbox <floodplain.planning@dpie.nsw.gov.au>

Permission

Do you give permission for your name to be published with your submission? Yes

If you are answering on behalf of an organisation, do you give permission for your organisation's name to be published? Yes

Your details

Full name: John Sellwood
Address: [Redacted]
Phone number: [Redacted]
Email address: [Redacted]

Submission details

Are you an individual or representing an organisation? Individual

If you selected 'organisation', please specify.:

If you are representing an organisation, who do you represent? Other

If you selected 'other', please specify.: Individual representation

Have you read the Draft Murrumbidgee Valley Floodplain Management Plan – Report to assist Stage 1 public consultation? Yes

Did/will you attend any of the following in relation to the Murrumbidgee Valley Floodplain Management Plan? None of these

Proposed floodplain elements

Do you have any comments on the proposed floodplain No boundary?:

As long as the model includes all of the new levees and check that businesses are not trapping water within their property. I see some farms have leveed oxbow, trapping water. If this water remains and we have another flood event, the next flood will cause problems elsewhere. We must also remember that if new roads and other large non-porous structures in floodplains will also push flood water into areas where flooding normally wouldn't occur.

Do you have any comments on the proposed design floods that were used to model the floodway network?:

Finding a suitable aquifer to hold water underground would be an enormous advantage when droughts come.

Do you have any comments on the proposed floodway network?:

Do you have any comments on the identified Aboriginal cultural assets and values on the floodplain?:

Consult all First Nations along the Murrumbidgee Flood Plain. From experience searching through archives may find areas traditional owners may not be aware of. We're not the best at protecting modern treasures let alone ancient ones.

Do you have any comments on the identified heritage sites on the floodplain?:

Not from my perspective

Do you have any comments on the identified ecological assets on the floodplain?:

We've destroyed so much that we should start expanding some instead of ripping out habitat for a few houses or more agriculture.

Local variances from default rules

Do you have any comments on the types of flood works that should be permitted within a floodway?:

Before any works are permitted, a flood model should be used to see what the water does first. For instance more culverts should be added along roads and rail to allow flood water to do what it naturally want to. Stopping a natural flow of water will cause erosion as well as undermining the road or rail base.

Do you have any comments on an appropriate maximum height (10 to 50 cm) for standard access roads within a floodway?:

If you put a road that is crossing the water flow it will need culverts to allow water to do it's natural thing. We need to stop trying to make water turn corners and go up and down hills. I have worked with engineers in the NT who constantly try this and fail, destroying infrastructure and causing more erosion.

Do you have any comments on an appropriate maximum height (10 to 100 cm) for primary access roads within a floodway?:

As Above

Additional feedback

If you have any other comments, please provide them here.:

I noticed during the last flood that parts of Wagga not normally in flood being affected. Wagga had increased the height of the levee. Levee banks will only work if you build one from the head of the river, to the mouth. Not possible. Not enough effort has been done on finding suitable aquifers to store water. These can be used to reduce the impacts of flooding plus give us some protection from drought.

If you would like to upload a document and/or image


No file uploaded

of a map containing further feedback, please use the 'Choose file' button below.:

How did you hear about this consultation?: FaceBook

If you selected 'other', please specify.:

Do you identify as Aboriginal and/or Torres Strait Islander?: 

Do you speak a language other than English at home?: 

If you selected 'yes', please specify.:

3 May 2024

Murrumbidgee Valley FMP
Water Group - NSW DCCEEW
PO Box 189
Queanbeyan, NSW 2620

By email to: floodplain.planning@dpie.nsw.gov.au,

Dear Water Group

KEY ELEMENTS FOR THE DRAFT FLOODPLAIN MANAGEMENT PLAN

The [REDACTED] appreciates the opportunity to comment on the key elements that will inform the development of the draft Floodplain Management Plan for the Murrumbidgee Valley Floodplain.

[REDACTED]'s mission is protecting nature through community action. Our strengths include State-wide reach, deep local knowledge, evidence-based input to policy and planning, and over 65 years' commitment to advancing the NSW protected area network and its professional management. We also provide outstanding opportunities to experience and learn about nature through our unrivalled program of bushwalking, field surveys, bush regeneration and other outdoor activities. It is the [REDACTED]'s view that healthy and resilient inland freshwater environments are vital for both our collective wellbeing and for the conservation of nature. We have consistently advocated for sound environmental and community outcomes by government for the Murray Darling Basin.

Wetlands are among the most productive but degraded ecosystems in the world. In the Murrumbidgee catchment, wetlands cover 370,000ha and account for 8% of all the wetlands in NSW. Unfortunately, the health of these wetlands in the catchment have declined primarily from the impacts of urban, agricultural, and irrigation water use. The network of roads, levees, dams and supply channels across the landscape has produced a range of environmental impacts which have been recently exacerbated by drought which, in turn, has decreased river flows.

Two wetlands across the Murrumbidgee have been listed as significant in the Directory of Important wetlands in Australia. The wetlands in the Eastern part of the floodplain plan area tend to be small (50% being one hectare or less in size), whereas those to the west form a complex interwoven interconnected series of channels rather than sets of discrete billabongs.

Floods have important ecological roles for wetlands. They can 're-charge' wetlands as well as effectively remove excessive carbon and salt accumulations across the landscape. The areas covered by the plan host several important protected areas such as Murrumbidgee Valley National Park, Yanga National Park, Yanga State Conservation Area, and Murrumbidgee Valley Nature Reserve.

It is the [REDACTED]'s overall view that this plan for the Murrumbidgee floodplain should attempt to be 'Nature Positive' and used to protect its natural assets. After all, the State government has invested significant resources to set aside and manage the protected areas because the wider Australian community recognises their value for environmental and recreational purposes. That is, the [REDACTED] suggests the future plan should apply the wise use of technology and management practices to enhance nature in this region – the species and ecosystems being repaired and regenerated rather than continue to be in a state of decline.

head office: [REDACTED] post: [REDACTED]
tel: [REDACTED] email: [REDACTED] web: [REDACTED]
abn: [REDACTED] donations are tax-deductible and greatly appreciated



1. Proposed floodplain boundary

Flooding is a vital natural process that drives pulses of ecological productivity. Floodplains have a key ecological role in providing and transporting organic matter and nutrients critical for fish and waterbirds. If the floodplain management plan is to *'coordinate flood work development on a floodplain to ensure that floodwater can move freely to and from rivers and creeks'*, and we know that floodwater can have important ecological benefits, then the [REDACTED]'s view is that important natural assets in the region be included in the plan area, such as:

- the Northern boundary between Sidonia Road and Midwestern highway should be moved slightly further north and follow the East west road in order to protect the ecological asset within the existing boundary and allow for management of feeder channels; and
- Kalyarr National Park (which would then partner with the proposed Lachlan floodplain plan)
- the Fivebough and Tuckerbil Wetlands (and associated source areas)

2. Proposed design floods

The [REDACTED] understands the plan will use a 'large design flood' which is a large magnitude flood event of 2% AEP as well as a 'small design flood' of 14% AEP. The proposed Murrumbidgee Valley Floodplain was divided into five reaches for hydraulic modelling purposes to do this.

Flooding within the plan area is typified by high volume, long duration flooding, usually emanating from significant rainfall in the upper Murrumbidgee River catchment. The result is elevated river levels and large portions of the floodplain becoming flooded for up to months at a time. However, the capacity of the main channel reduces moving downstream towards Yanco and the Murray junction, resulting in the distribution of floods across the wider floodplain.

The [REDACTED] makes several points about the flood design:

- Inundation extent:
 - Significant changes have occurred and continue to occur within the floodplain. For example, the 1974 peak height recorded at the Hay Town Bridge gauge was higher than the 1956 flood peak even though the peak flow in 1974 was 20% lower than that in 1956. More recently research has shown that water demand for agricultural activities has caused a growth in small on-farm storages (i.e., ≥ 0.1 ha to ≤ 10 ha) in the Murrumbidgee thereby increasing the capture of landscape runoff which otherwise would enter the catchment drainage system. The cumulative effects of these on-farm storages can result in reduced mean annual flows, particularly during dry years and should be a parameter within the model- as this will affect the likelihood of the two chosen 'design floods' and thereby make them inappropriate. Additionally, this suggests the model should be adaptive and respond to changes in the region with periodic review.
 - The [REDACTED] notes that improved connectivity between wetlands can be achieved when the constraints are removed. Investment in works that overcome constraints would result in more efficient and effective use of environmental water in the regulated sections of the river so that necessary river height can be achieved by piggybacking on unregulated inflows. The modelling tool should be used to help produce maps that look at optimising existing floodwork to improve environmental outcomes. That is, apply the model as part of a wider focus on managing the hydrology for the region. Some innovative approaches are being adopted to improve ecological and water quality functions in a system with less available water, in South Australia. This involves construction of new water infrastructure to enable flooding cycles with much lower river flows, as frequency of large flows has declined in the River Murray.

- Water quality has tended to be a secondary priority with water managers. In recent years, new water quality risks have emerged along with a more nuanced understanding of the complex interplay between climate, floodplain/catchment vegetation, hydrology, and water quality. Critically, this improved understanding applies to the systemic shocks of extreme events, such as the 2020 bushfires and hypoxic blackwater events, as well as the variability, duration and volumes of natural and regulated river flows. Our ability to predict climate change effects on water quality is still very poor. While significant improvement in climate and hydrological modelling has been made since 2006, the same is not the case for water quality. Water quality considerations should be part of the modelling.

In addition to the above, because some floods can be a long duration, there is a need to communicate to community model predictions in a timely manner so that management responses can be made by local landholders including: DCCEEW developing and implementing water monitoring to provide timely and consistent volumetric water quantity and quality data as well as making publicly available the modelling of surface water, groundwater interactions, flow regimes, water quality for various time-series and time-scales.

3. Proposed floodway network

The plan will coordinate flood work development on a floodplain to ensure that floodwater can move freely to and from rivers and creeks. To do this, an understanding of how water moves across the landscape when it floods is required.

The [REDACTED] notes that there has been a history of annual flow being diverted for agriculture or consumptive uses and such changes have significantly altered flow regimes and lateral habitat connectivity across the floodplain (Page et al.2005). This means within the broader floodplain there is a mosaic of environments ranging from terrestrial, that are seldom flooded, to aquatic environments that are permanently wet- both have suffered from significant vegetation removal and reduced connectivity. Reduced overland flow to these wetlands can also be reduced when farm dams in natural drainage lines leading to a wetland are created.

A threatened anurophagus (frog-eating) snake species inhabit wetland environments in the region: the nationally endangered Ngabi (grey snake; *Hemiaspis damelii*) (Commonwealth, Environmental Protection and Biodiversity Conservation Act 1999). There is also a diversity of frog species living in these areas. These amphibians are highly sensitive to water quality and the diversity of species depend on there being a range of different wetland habitats. Birds similarly require a diversity of habitats. The key point being that the proposed plan does not only need to 'ensure that floodwater can move freely to and from rivers and creeks' but also ensure that flow is managed in a way that retains the natural values of some of these areas. This does not have to be managed solely via specific volumes of water but can also be realized through constraints and infrastructure.

4. Identified flood-dependent and flood-impacted Aboriginal cultural assets and values

The floodplain has a rich Aboriginal heritage as it was once part of a major Aboriginal trade route and provided abundant food resources to support the indigenous occupants. A diverse range of Aboriginal sites including artefacts, hearths, burial sites, earth mounds and scarred trees has been recorded within the floodplain. Traditional and contemporary practices of the indigenous peoples also focused on waterways, including their tributaries and associated wetlands. That is traditional practices did not just involve physically managing the environment, but were intertwined with religious beliefs and ceremonies, law and lore.

Using the Aboriginal cultural assets and values currently registered on the Aboriginal Heritage Information Management System (AHIMS) as a tool to underpin the plan therefore provides limited scope on the true picture. There are at least four known fish traps in the plan area. Clearly there is a need for more thorough approach such as that of 'use-and-occupancy indigenous mapping'. Such

mapping is a practice where Indigenous communities own, control, access, and possess both the geographic information and mapping processes.

Such mapping was conducted in 2006 with MILDRIN for the nearby Barmah-Millewa Forests and could be applied here. It involved mapping sites ranging from where they successfully hunted emu, and fished for cod to scar trees, locations where they camped overnight and places where repatriated ancestral remains occurred.

Additionally, is DCCEEW water group aware that the NPWS has Aboriginal cultural heritage management plans for some of the protected areas in the region? These should be incorporated into the floodplain plan when prepared.

6. Identified flood-dependent ecological assets

Overall, the [REDACTED] is supportive of the approach taken including using the directory of important wetlands in Australian as it seems like a thorough approach.

In addition, the [REDACTED] believes that:

- the existing protected area network in the region should be included as flood-dependent ecological assets as they have been acquired and are managed as important environmental and recreational assets for the wider Australian Community.
- the plan could incorporate the CSIRO's work on groundwater dependent ecosystem in the Murrumbidgee (see Australian Journal of Botany, 2019, vol 67,pp 397–413)

There could also be a set of criteria that are developed to underpin the plan which would act to distil the data sources that are used. Such as:

- Areas formally recognised in, and/or are capable of supporting species listed in relevant international agreements;
- Areas that give effect to the convention of biological diversity as being in a nature or near natural state;
- Areas that provide vital habitat such as drought refugia or pathways for dispersal, ephemeral breeding sites, or nursery sites for water dependent plants and animals;
- Areas that support commonwealth or states listed threatened species or ecological communities; and
- Areas that support or are capable of supporting large numbers of species, as well as a high level of taxonomic diversity.

I can be contacted at [REDACTED]

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

CM: Submission for the draft Murrumbidgee Floodplain Management Plan

digital.services=squiz.dpie.nsw.gov.au@squiz.regional.nsw.gov.au

<digital.services=squiz.dpie.nsw.gov.au@squiz.regional.nsw.gov.au>

on behalf of

digital.services@squiz.dpie.nsw.gov.au <digital.services@squiz.dpie.nsw.gov.au>

Fri 3/05/2024 4:06 PM

To:Water Floodplain Management Planning Mailbox <floodplain.planning@dpie.nsw.gov.au>

📎 2 attachments (10 MB)

[REDACTED] Flood Map (1).png; [REDACTED] Flood Map .png;

Permission

Do you give permission for your name to be published with your submission?: No

If you are answering on behalf of an organisation, do you give permission for your organisation's name to be published?: No

Your details

Full name: [REDACTED]
Address: [REDACTED]
Phone number: [REDACTED]
Email address: [REDACTED]

Submission details

Are you an individual or representing an organisation?: An organisation

If you selected 'organisation', please specify.: [REDACTED]

If you are representing an organisation, who do you represent?: Irrigation industry

If you selected 'other', please specify.:

Have you read the Draft Murrumbidgee Valley Floodplain Management Plan – Report to assist Stage 1 public consultation?: Yes

Did/will you attend any of the following in relation to the Murrumbidgee Valley Floodplain Management Plan?: An individual appointment

Proposed floodplain elements

Do you have any comments on the proposed floodplain boundary?: Incorrect. Inter Agencies offer different opinions with data.

Do you have any comments on the proposed design floods that were used to model the floodway network?: Incorrect. Inter Agencies offer different opinions with data.

Do you have any comments on the proposed floodway network?: Incorrect. Inter Agencies offer different opinions with data.

Do you have any comments on the identified Aboriginal cultural assets and values on the floodplain?: N/A

Do you have any comments on the identified heritage sites on the floodplain?: N/A

Do you have any comments on the identified ecological assets on the floodplain?: N/A

Local variances from default rules

Do you have any comments on the types of flood works that should be permitted within a floodway?: Practicality and common sense needs to prevail.

Do you have any comments on an appropriate maximum height (10 to 50 cm) for standard access roads within a floodway?: Practicality and common sense needs to prevail.

Do you have any comments on an appropriate maximum height for primary access roads within a floodway?: Practicality and common sense needs to prevail.

Additional feedback

If you have any other comments, please provide them here.:

If you would like to upload a document and/or image of a map containing further feedback, please use the 'Choose file' button below.: [redacted] Flood Map (1).png, type image/png, 2.4 MB | [redacted] Flood Map .png, type image/png, 2.5 MB

How did you hear about this consultation?: Other

If you selected 'other', please specify.: Email

Do you identify as Aboriginal and/or Torres Strait Islander?: [redacted]

Do you speak a language other than English at home?: [redacted]

If you selected 'yes', please specify.:

CM: Submission for the draft Murrumbidgee Floodplain Management Plan

digital.services=squiz.dpie.nsw.gov.au@squiz.regional.nsw.gov.au
<digital.services=squiz.dpie.nsw.gov.au@squiz.regional.nsw.gov.au>
on behalf of

digital.services@squiz.dpie.nsw.gov.au <digital.services@squiz.dpie.nsw.gov.au>

Sat 4/05/2024 6:11 PM

To:Water Floodplain Management Planning Mailbox <floodplain.planning@dpie.nsw.gov.au>

Permission

Do you give permission
for your name to be
published with your
submission?: Yes

If you are answering on
behalf of an
organisation, do you
give permission for your
organisation's name to
be published?:

Your details

Full name: Peter EMERY

Address: [Redacted]

Phone number: [Redacted]

Email address: [Redacted]

Submission details

Are you an individual or
representing an
organisation?: Individual

If you selected
'organisation', please
specify.:

If you are representing
an organisation, who do
you represent?:

If you selected 'other',
please specify.:

Have you read the Draft
Murrumbidgee Valley
Floodplain Management
Plan – Report to assist
Stage 1 public
consultation?: Yes

Did/will you attend any
of the following in
relation to the
Murrumbidgee Valley

None of these

Floodplain Management Plan?:

Proposed floodplain elements

Do you have any comments on the proposed floodplain boundary?:

Do you have any comments on the proposed design floods that were used to model the floodway network?:

Do you have any comments on the proposed floodway network?:

Do you have any comments on the identified Aboriginal cultural assets and values on the floodplain?:

Do you have any comments on the identified heritage sites on the floodplain?:

Do you have any comments on the identified ecological assets on the floodplain?: A significant area of our property has been classed as 'Ecological Assets' under the draft plan, and I am concerned that this may have an impact on the future use of these areas on my farm, and any future compensation in regards to the "Reconnecting Rivers Program"

Local variances from default rules

Do you have any comments on the types of flood works that should be permitted within a floodway?:

Do you have any comments on an appropriate maximum height (10 to 50 cm) for standard access roads within a floodway?: The maximum height of 50cm for standard access roads within the floodway, has a significant issue in respect to accessing my property, and is totally unacceptable to allow access to stock on my property. When the flood level is classes as "Low" at the [redacted] Gauge, it has a moderate flooding effect on our property. "Moderate" levels at the [redacted] Gauge have a significant and severe impact on my property. A "High" level flood level at the [redacted] Gauge has a catastrophic effect on my property.

Do you have any comments on an appropriate maximum height for primary access roads within a floodway?: The construction of access roads, and the requirement to include culverts etc on these roads adds an enormous financial burden on myself and the viability of my primary production without receiving financial support/assistance from government to construct these.

Additional feedback

The Newell Highway between Gillenbah and The Murrumbidgee River bridge at Narrandera, was raised after the 2012 & 2016. This has had a significant impact on the ability of flood water to flow downstream during Major Flooding events, as evidence during the 2022 flood. Recorded river heights during the 2022 flood, inundated areas which normally would not be impacted at the same previous river height levels. This was confirmed by [REDACTED] SES members and other locals during the 2022 flood

If you have any other comments, please provide them here.:

If you would like to upload a document and/or image of a map containing further feedback, please use the 'Choose file' button below.:

No file uploaded

How did you hear about this consultation?:

Department's website

If you selected 'other', please specify.:

Do you identify as Aboriginal and/or Torres Strait Islander?:

[REDACTED]

Do you speak a language other than English at home?:

[REDACTED]

If you selected 'yes', please specify.:

Did/will you attend any of the following in relation to the Murrumbidgee Valley Floodplain Management Plan?: An individual appointment

Proposed floodplain elements

Do you have any comments on the proposed floodplain boundary?: The floodplain boundary appears appropriate.

Do you have any comments on the proposed design floods that were used to model the floodway network?: The 2012 and 2016 floods are reasonable floods to use to model the floodways.

Do you have any comments on the proposed floodway network?: Yes, the modelled flood extent, shown on the interactive map, does not appear to be accurate across our property located at [REDACTED]. During the 2012 flood, from the available local knowledge from staff and Neighbours, floodwater did not pass through our property. Both the [REDACTED] highway and the [REDACTED] Way prevented water from reaching our property. Since the 2012 flood, and based on our knowledge that the property did not flood, significant development works including an 870ha [REDACTED] [REDACTED] and associated infrastructure has been built on this property at a cost in excess of \$100M. The modelled flood extent, shaded light blue, covers a large portion of this investment. We ask that this is removed from the flood extent map based on previous experience that this area has not flooded in the past.

Do you have any comments on the identified Aboriginal cultural assets and values on the floodplain?: No comments

Do you have any comments on the identified heritage sites on the floodplain?: No comments

Do you have any comments on the identified ecological assets on the floodplain?: No comments

Local variances from default rules

Do you have any comments on the types of flood works that should be considered - protection of high value permanent crops and associated infrastructure assets. These may include pump stations, fertiliser and chemical sheds etc

permitted within a floodway?:

Do you have any comments on an appropriate maximum height (10 to 50 cm) for standard access roads within a floodway?:

Standard access roads should be allowed to be built to 50cm above natural surface


Do you have any comments on an appropriate maximum height for primary access roads within a floodway?:

Primary access roads should be allowed to be built to 50cm above natural surface

Additional feedback

If you have any other comments, please provide them here.:

If you would like to upload a document and/or image of a map containing further feedback, please use the 'Choose file' button below.:

 flood extent map - area to be excluded from extent - 20240505.PNG, type image/png, 2.2 MB

How did you hear about this consultation?:

Email or newsletter from the department

If you selected 'other', please specify.:

Do you identify as Aboriginal and/or Torres Strait Islander?:



Do you speak a language other than English at home?:



If you selected 'yes', please specify.:

Submission form for the draft Murrumbidgee Valley Floodplain Management Plan: Stage 1 public consultation

How to fill out this form

The NSW Department of Climate Change, Energy, the Environment and Water is seeking your comments on key elements that will be used to prepare the draft Floodplain Management Plan for the Murrumbidgee Valley Floodplain.

We are seeking feedback through a public submission process from Monday 25 March to Sunday 5 May 2024. The publication [Draft Murrumbidgee Valley Floodplain Management Plan – Report to assist Stage 1 public consultation](#) provides information that can assist with completing this submission form. This report is available on the department's website at water.nsw.gov.au/murrumbidgee-floodplain-management-plan

To provide feedback on the maps shown in Figures 1, 2 and 5 in the report, we recommend you:

1. take a screenshot of the relevant area/s displayed on the [interactive spatial map](#)
2. use a drawing tool to illustrate feedback or refer to the area shown in written feedback
3. save the screenshot of the map as an image file and attach it to your submission.

How to submit your feedback

Have your say by Sunday 5 May 2024.

Save or print the completed submission form and send it via:

Email: floodplain.planning@dpie.nsw.gov.au OR

Post: Murrumbidgee Valley FMP

Water Group – NSW DCCEEW

PO Box 189

Queanbeyan NSW 2620

Information on privacy and confidentiality

All submissions received by the NSW Department of Climate Change, Energy, the Environment and Water will be reviewed and published. The department values your input and accepts that information you provide may be private and personal.

If you want your submission or your personal details to be treated as confidential, please indicate this by ticking the relevant box below.

Your information will be handled by the department in accordance with the *Privacy and Personal Information Protection Act 1998*. Any personal information you provide in completing this form will only be used to inform the development of the Murrumbidgee Valley Floodplain Management Plan. We will not use or disclose the information for any other purpose, unless required or authorised to do so.

If you would like to know more about how the department meets its obligations in collecting, storing, using and sharing personal information, you can read our complete Privacy Policy or Privacy Management Plan.

If you wish to view or amend the information held by us, you can email us at floodplain.planning@dpie.nsw.gov.au, or contact the department's privacy officer on 02 9860 1440 or at privacy@dpie.nsw.gov.au.

Do you give permission for your name to be published with your submission?

Yes No

If you are answering on behalf of an organisation, do you give permission for your organisation's name to be published?

Yes No

Your details

1. Full name	[Redacted]
2. Email address	[Redacted]
3. Address	[Redacted]
4. Phone number	[Redacted]
5. Are you an individual or representing an organisation? (Mark only one)	<input type="checkbox"/> Individual (skip to question 7) <input type="checkbox"/> Organisation
6. Name of organisation	[Redacted]
7. Who are you representing?	<input type="checkbox"/> Government <input type="checkbox"/> Peak representative organisation <input type="checkbox"/> First Nations organisation <input type="checkbox"/> Environmental organisation <input type="checkbox"/> Irrigation industry <input type="checkbox"/> Mining industry <input type="checkbox"/> Other (please specify):
8. Did you attend any of the following in relation to the Murrumbidgee Valley Floodplain Management Plan?	<input type="checkbox"/> An individual appointment <input type="checkbox"/> A phone call with departmental staff <input type="checkbox"/> None of these
9. Have you read the Draft Murrumbidgee Valley Floodplain Management Plan - Report to assist Stage 1 public consultation?	<input type="checkbox"/> Yes <input type="checkbox"/> No

The following sections relate to the feedback we are seeking on key elements for development of the floodplain management plan as described in the Report to assist Stage 1 public consultation. Follow the steps on page 1 to provide feedback on the maps shown in Figures 1, 2 and 5.

Proposed floodplain boundary

Figure 1 in the Report to assist Stage 1 public consultation shows the proposed floodplain boundary. For a higher resolution version of the proposed floodplain boundary, see [Stage 1 Interactive Spatial Map](#).

<p>Please provide any comments you may have on the proposed floodplain boundary.</p> <p><i>(If relevant please attach a map to your submission.)</i></p>	
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Proposed design floods

The following design floods were used to model the floodway network:

- large design flood of March 2012: 2% AEP at the Murrumbidgee River at Narrandera gauge (410005)
- small design flood of October 2016: 14% AEP at the Murrumbidgee River at Narrandera gauge (410005).

More information about the proposed design floods is available in the [Report to assist Stage 1 public consultation](#).

<p>Please provide any comments you may have on the proposed design floods.</p>	
--	--

Proposed floodway network

Figure 2 in the [Report to assist Stage 1 public consultation](#) shows the proposed floodway network. For a higher resolution version of the proposed floodway network, see [Stage 1 Interactive Spatial Map](#).

<p>Please provide any comments you may have on the proposed floodway network.</p> <p><i>(If relevant please attach a map to your submission.)</i></p>	
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Identified Aboriginal cultural assets and values

Figure 3 in the [Report to assist Stage 1 public consultation](#) shows the identified Aboriginal cultural assets and values on the floodplain.

<p>Please provide any comments you may have on the identified Aboriginal cultural assets and values on the floodplain.</p>	
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Identified heritage sites

Figure 4 in the [Report to assist Stage 1 public consultation](#) shows the identified heritage sites on the floodplain.

Please provide any comments you may have on the identified heritage sites on the floodplain.

Identified ecological assets

Figure 5 in the [Report to assist Stage 1 public consultation](#) shows the identified ecological assets on the floodplain. For a higher resolution version of the identified ecological assets, see [Stage 1 Interactive Spatial Map](#).

Please provide any comments you may have on the identified ecological assets on the floodplain.

(If relevant please attach a map to your submission.)

Local variances from default rules for flood work applications in different areas of the floodplain

Floodplain management plans follow a default rule set which determines what can be assessed and approved as a flood work. These rule sets fall into two main categories depending on the location of the work:

1. **Floodways and areas of ecological, heritage or Aboriginal cultural significance** – works in these areas will be restricted to specific types essential for the protection of life and property, or improvement of the floodplain.
2. **Inundation extent and flood fringe** – all work types are permitted, subject to conditions and assessment criteria.

There are some specific aspects of the rule set that can be tailored to account for local conditions and needs. These aspects are detailed in the [Report to assist Stage 1 public consultation](#) and are subject to consultation outcomes.

<p>Please provide any comments you may have on the types of flood works that should be permitted within a floodway.</p>	
<p>Please provide any comments that you may have on an appropriate maximum height (10 to 50 cm) for <i>standard access roads</i> within a floodway.</p>	
<p>Please provide any comments that you may have on an appropriate maximum height for <i>primary access roads</i> within a floodway.</p>	

Additional information

If you would like to provide any additional information to help us understand your feedback, please attach this to your submission.

Thank you for completing this form.

CM: Submission for the draft Murrumbidgee Floodplain Management Plan

digital.services=squiz.dpie.nsw.gov.au@squiz.regional.nsw.gov.au

<digital.services=squiz.dpie.nsw.gov.au@squiz.regional.nsw.gov.au>

on behalf of

digital.services@squiz.dpie.nsw.gov.au <digital.services@squiz.dpie.nsw.gov.au>

Sun 5/05/2024 11:53 PM

To:Water Floodplain Management Planning Mailbox <floodplain.planning@dpie.nsw.gov.au>

📎 1 attachments (5 MB)

DEECCW Murrumbidgee Flood Plain Levees maps and notes 4May2024.pptx;

Permission

Do you give permission for your name to be published with your submission? No

If you are answering on behalf of an organisation, do you give permission for your organisation's name to be published?:

Your details

Full name: [Redacted]
Address: [Redacted]
Phone number: [Redacted]
Email address: [Redacted]

Submission details

Are you an individual or representing an organisation? Individual

If you selected 'organisation', please specify.:

If you are representing an organisation, who do you represent?:

If you selected 'other', please specify.:

Have you read the Draft Murrumbidgee Valley Floodplain Management Plan – Report to assist Stage 1 public consultation? Yes

Did/will you attend any of the following in relation to the Murrumbidgee Valley Floodplain Management Plan?: An individual appointment

Proposed floodplain elements

Do you have any comments on the proposed floodplain boundary?: The extent of the boundary depends on what you aim to achieve by this flood study. If you only want to look at a 2% flood and what houses and infrastructure will be affected, then the nominated boundary may be useful. However, if you want to look at a 1% flood that may soon recur every 20 years due to increased climate variability and intensity, then I think we would need to look at a much larger area that encompasses more of the Linear Depressions that flow out of the main Murrumbidgee River.

Do you have any comments on the proposed design floods that were used to model the floodway network?: I do not understand why you have not looked at the extent of the 1974 flood that shows the changes from the 1956 flood due to the construction of the Coleambally Irrigation Area from 1958 to 1974?

Do you have any comments on the proposed floodway network?: I would like to know why you show a deep watercourse flowing at the northern end of the middle Levee between the [REDACTED] south of [REDACTED] Rd (shown as [REDACTED] Rd on Google maps). Does your modeling indicate a higher water level at this site than 1974? I walked this levee during the 2022 flood and I saw some farm equipment traffic that may potentially lower the crest of the levee near where the levee joins the [REDACTED]? Has your lidar picked up a low section of levee crest?

Do you have any comments on the identified Aboriginal cultural assets and values on the floodplain?: All of the irrigation areas were developed and cultivated from 1958 onwards.

Do you have any comments on the identified heritage sites on the floodplain?: What has not been burnt by fires has been eaten by termites. The old buildings were built when labour for their maintenance was very low cost. It is way to costly to restore the old structures. I heard we have spent \$4million on repairing, lead paint removal and painting the Carrathool bridge over the Murrumbidgee River. This was more than the new concrete bridge cost to build.

Do you have any comments on the identified ecological assets on the floodplain?: The "Ecological Assets" layer of the map are mostly just trees. The native flora and fauna utilise all the vegetation types and communities in our landscape, not just trees.types es

Local variances from default rules

Do you have any comments on the types of flood works that should be: Where water channels cross a main flood runner, the channel should be a piped subway to allow the free flood flow and also to allow clear passage of trash so it can not block bridges and culverts.

permitted within a floodway?:

Do you have any comments on an appropriate maximum height (10 to 50 cm) for standard access roads within a floodway?:

We need far more properly constructed causeways for access through flood water. concrete cut-offs along each edge to prevent the bitumen from lifting by flood water. Good roadside drainage, that has somewhere to flow to, is more important than building the roads up higher.

Do you have any comments on an appropriate maximum height for primary access roads within a floodway?:

Primary access roads need engineered concrete causeways at strategic locations on flood runners. Raising roads and only having short bridges only just restrict flood flow and hold up draining off the flood water. A couple of days under water is like an irrigation and is beneficial to the vegetation. Water laying for weeks kills off the native grasses. Culverts are next to useless as they always block up with trash in a flood.

Additional feedback

If you have any other comments, please provide them here.:

If you would like to upload a document and/or image of a map containing further feedback, please use the 'Choose file' button below.:

DEECCW Murrumbidgee Flood Plain Levees maps and notes 4May2024.pptx, type application/vnd.openxmlformats-officedocument.presentationml.presentation, 4.8 MB

How did you hear about this consultation?:

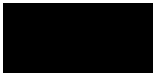
Email or newsletter from the department

If you selected 'other', please specify.:

Do you identify as Aboriginal and/or Torres Strait Islander?:



Do you speak a language other than English at home?:



If you selected 'yes', please specify.:

Submission form for the draft Murrumbidgee Valley Floodplain Management Plan: Stage 1 public consultation

How to fill out this form

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To provide feedback on the maps shown in Figures 1, 2 and 5 in the report, we recommend you:

1. take a screenshot of the relevant area/s displayed on the [interactive spatial map](#)
2. use a drawing tool to illustrate feedback or refer to the area shown in written feedback
3. save the screenshot of the map as an image file and attach it to your submission.

How to submit your feedback

Have your say by Sunday 5 May 2024.

Save or print the completed submission form and send it via:

Email: floodplain.planning@dpie.nsw.gov.au OR

Post: Murrumbidgee Valley FMP

Water Group – NSW DCCEEW

PO Box 189

Queanbeyan NSW 2620

Information on privacy and confidentiality

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If you want your submission or your personal details to be treated as confidential, please indicate this by ticking the relevant box below.

Your information will be handled by the department in accordance with the [Privacy and Personal Information Protection Act 1998](#). Any personal information you provide in completing this form will only be used to inform the development of the Murrumbidgee Valley Floodplain Management Plan. We will not use or disclose the information for any other purpose, unless required or authorised to do so.

If you would like to know more about how the department meets its obligations in collecting, storing, using and sharing personal information, you can read our complete [Privacy Policy](#) or [Privacy Management Plan](#).

If you wish to view or amend the information held by us, you can email us at floodplain.planning@dpi.nsw.gov.au, or contact the department's privacy officer on 02 9860 1440 or at privacy@dpi.nsw.gov.au.

Do you give permission for your name to be published with your submission?

Yes No

If you are answering on behalf of an organisation, do you give permission for your organisation's name to be published?

Yes No

Your details

1. Full name	[Redacted]
2. Email address	[Redacted]
3. Address	[Redacted]
4. Phone number	[Redacted]
5. Are you an individual or representing an organisation? <i>(Mark only one)</i>	<input type="checkbox"/> Individual (skip to question 7) <input checked="" type="checkbox"/> Organisation
6. Name of organisation	[Redacted]
7. Who are you representing?	<input type="checkbox"/> Government <input type="checkbox"/> Peak representative organisation <input type="checkbox"/> First Nations organisation <input type="checkbox"/> Environmental organisation <input type="checkbox"/> Irrigation industry <input type="checkbox"/> Mining industry <input checked="" type="checkbox"/> Other (please specify): Property Owner
8. Did you attend any of the following in relation to the Murrumbidgee Valley Floodplain Management Plan?	<input type="checkbox"/> An individual appointment <input type="checkbox"/> A phone call with departmental staff <input checked="" type="checkbox"/> None of these (Was not informed the Draft FMP was being developed)
9. Have you read the Draft Murrumbidgee Valley Floodplain Management Plan – Report to assist Stage 1 public consultation?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

The following sections relate to the feedback we are seeking on key elements for development of the floodplain management plan as described in the Report to assist Stage 1 public consultation. Follow the steps on page 1 to provide feedback on the maps shown in Figures 1, 2 and 5.

Proposed floodplain boundary

Figure 1 in the Report to assist Stage 1 public consultation shows the proposed floodplain boundary. For a higher resolution version of the proposed floodplain boundary, see [Stage 1 Interactive Spatial Map](#).

<p>Please provide any comments you may have on the proposed floodplain boundary.</p> <p><i>(If relevant please attach a map to your submission.)</i></p>	<p>Please see attached submission.</p>
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Proposed design floods

The following design floods were used to model the floodway network:

- large design flood of March 2012: 2% AEP at the Murrumbidgee River at Narrandera gauge (410005)
- small design flood of October 2016: 14% AEP at the Murrumbidgee River at Narrandera gauge (410005).

More information about the proposed design floods is available in the [Report to assist Stage 1 public consultation](#).

<p>Please provide any comments you may have on the proposed design floods.</p>	<p>Please see attached submission.</p>
--	--

Proposed floodway network

Figure 2 in the [Report to assist Stage 1 public consultation](#) shows the proposed floodway network. For a higher resolution version of the proposed floodway network, see [Stage 1 Interactive Spatial Map](#).

<p>Please provide any comments you may have on the proposed floodway network.</p> <p><i>(If relevant please attach a map to your submission.)</i></p>	<p>Please see attached submission.</p>
---	--

Identified Aboriginal cultural assets and values

Figure 3 in the [Report to assist Stage 1 public consultation](#) shows the identified Aboriginal cultural assets and values on the floodplain.

<p>Please provide any comments you may have on the identified Aboriginal cultural assets and values on the floodplain.</p>	<p>Please see attached submission.</p>
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Identified heritage sites

Figure 4 in the [Report to assist Stage 1 public consultation](#) shows the identified heritage sites on the floodplain.

<p>Please provide any comments you may have on the identified heritage sites on the floodplain.</p>	<p>Please see attached submission.</p>
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Identified ecological assets

Figure 5 in the [Report to assist Stage 1 public consultation](#) shows the identified ecological assets on the floodplain. For a higher resolution version of the identified ecological assets, see [Stage 1 Interactive Spatial Map](#).

<p>Please provide any comments you may have on the identified ecological assets on the floodplain.</p> <p><i>(If relevant please attach a map to your submission.)</i></p>	<p>Please see attached submission.</p>
--	--

Local variances from default rules for flood work applications in different areas of the floodplain

Floodplain management plans follow a default rule set which determines what can be assessed and approved as a flood work. These rule sets fall into two main categories depending on the location of the work:

1. **Floodways and areas of ecological, heritage or Aboriginal cultural significance** – works in these areas will be restricted to specific types essential for the protection of life and property, or improvement of the floodplain.
2. **Inundation extent and flood fringe** – all work types are permitted, subject to conditions and assessment criteria.

There are some specific aspects of the rule set that can be tailored to account for local conditions and needs. These aspects are detailed in the [Report to assist Stage 1 public consultation](#) and are subject to consultation outcomes.

<p>Please provide any comments you may have on the types of flood works that should be permitted within a floodway.</p>	<p>Please see attached submission.</p>
<p>Please provide any comments that you may have on an appropriate maximum height (10 to 50 cm) for <i>standard access roads</i> within a floodway.</p>	<p>Please see attached submission.</p>
<p>Please provide any comments that you may have on an appropriate maximum height for <i>primary access roads</i> within a floodway.</p>	<p>Please see attached submission.</p>

Additional information

If you would like to provide any additional information to help us understand your feedback, please attach this to your submission.

Thank you for completing this form.

3 May 2024

Our Ref: [REDACTED]

Murrumbidgee Valley FMP
Water Group - NSW DCCEEW
PO Box 189
Queanbeyan NSW 2620

Murrumbidgee Valley FMP Feedback

1. Proposed Floodplain Boundary

The extents of the floodplain boundary in the vicinity of our property are acceptable.

2. Proposed Design Floods

The large design flood (2012 flood), whilst presented in the Draft FMP as a 2% AEP (1 in 50 year) flood event is actually a 1.4% (1 in 71 year) flood event at Darlington Point and our local area. Similarly, the small design flood (2016 flood), whilst presented in the Draft FMP as a 14% AEP (1 in 7 year) flood event is actually a 6.7% (1 in 15) flood event at Darlington Point and our local area.

This means that both design floods are significantly larger in the Darlington Point area than any other area in the FMP. Within the Draft FMP area the large design flood event ranges from a 4.4% AEP (1 in 23 year) flood to a 1.4% AEP (1 in 71 year) flood. The small design flood event ranges from a 20% AEP (1 in 5 year) flood to a 6.7% AEP (1 in 15 year) flood. This is a significant range in both flood events.

Whilst the magnitude of the design flood events is important, it cannot be considered in isolation. It is the allowable changes to flow depth, velocity and distribution for a set flood size which is important. For example, an allowable depth increase of 0.1m in a 2% AEP (1 in 50 year) flood may be equivalent to an

allowable depth increase of 0.2m in a 1% AEP (1 in 100 year) flood. The larger the flood, the larger the effect any work on the floodplain will have.

Considering the area downstream of Darlington Point has significantly larger flood events than the rest of the valley we expect that the allowable changes in the FMP should be set based on the flood size at Darlington Point, or the Darlington Point area should have larger allowable changes.

Based on other recently gazetted FMPs, we would expect the allowable changes in flow conditions downstream of Darlington Point to be 0.2m for depth increases and 5% for flow distribution for the design floods listed in the Draft Murrumbidgee FMP. These are design floods where a significant section of the FMP area uses a 1.4% AEP magnitude flood event.

3. Proposed Floodway Network

The proposed floodway network has two separate flow paths through our property. The northern flow path is flood flows in [REDACTED] and the southern flow path is [REDACTED]. These will be considered separately.

3.1 [REDACTED] Floodway Network.

There are areas on the southern side of [REDACTED] where the Draft FMP inundation extents cover high areas that would not get inundated. It has been noted that the model grid size in the Darlington Point to Hay section of the model is 40m. This is the least detailed area of the model and is the least accurate in terms of defining the terrain and determining the extents of inundation. When we have completed modelling for flood work applications on other properties, WaterNSW specifies that the model grid size cannot be greater than 15m to ensure a reasonable accuracy.

Satellite imagery of the 2022 flood (2.9% AEP) and the 2012 flood (1.4% AEP) are shown in **Figures 1 and 2** respectively. The imagery has been compared to the 2021 1m DEM LiDAR survey to determine estimated flood levels. There were cloud shadows on the ground in the 2022 flood imagery. Whilst this can be mistaken as flood water in the imagery this area was not inundated in 2022. Part of the shadow area is on high sand dunes that cannot get inundated or pond water. The flood levels were used to determine how far south water would extend. The extent of inundation in the large design flood (2012) is shown on

Figures 4 and 5 and a corrected plan of the floodway network is shown in Figure 6.

In the Draft FMP there is a section of floodway on the southern side of [REDACTED] that does not exist. The area is shown on Figure 4. The area shown as floodway on the Draft FMP is water that is either in the supply channel or the tailwater drain on the eastern side of the supply channel. As can be seen with the contours on Figure 5, the slope in this area is predominantly to the west. There is no flow path to the south. We would like this section of floodway removed from the Draft FMP as shown on Figure 6.

The floodway network shown in Figure 6 is based on satellite imagery of the design flood, detailed LiDAR survey and local experience. We would like the floodway network to be corrected to match that shown in Figure 6.

3.2 [REDACTED].

The supply channel from the Murrumbidgee River to the property crosses [REDACTED]. The supply channel was built in the early 1990's. There is an approximately 65m wide opening in the supply channel where it crosses [REDACTED] to facilitate flood flows. Floodwater breaking out of the Murrumbidgee River must cross the Sturt Highway to reach the supply channel. The Sturt Highway is a raised road with the road surface at least 1m above natural surface to facilitate road access during flood events. There is an approximately 30m wide bridge opening in the highway where it crosses [REDACTED] to facilitate flood flows and there is a culvert under the road to the east that also flows during a flood event. It is not known what the culvert size is but it is unlikely to add significantly to the capacity of the bridge opening across [REDACTED].

Based on the sizes of the openings it is expected that the capacity of the opening in the supply channel is similar to or greater than the capacity of the road bridge opening. There have been a lot of significant floods since the supply channel was constructed and there has been minimal damage to the supply channel. This is a good indication that the opening in the supply channel is more than adequate.

There is approximately 75m of the existing supply channel has been classified as floodway in the Draft FMP. The consequences of this classification are that the opening in the channel needs to be widened by 75m without there being any chance to accurately assess whether the channel has a significant effect on flow conditions. Given the importance of the channel for supplying water to the high

value permanent plantings and the significant cost of extending the culvert under [REDACTED] we would expect that we could at least be given the opportunity to demonstrate that the opening in the channel is adequate. This can be achieved in a couple of ways. These are;

- 1) Existing above ground supply channels are allowed in the floodway as long as they meet the flow conditions
- 2) The Draft FMP floodway classification can be altered as shown in Figure 6 so that the area containing the supply channel is classified as floodway extents.

The existing channel is critical to the farm operation and there are significant challenges in terms of cost, farm operation and productivity if the channel is taken out of operation to extend the culvert. Considering the current floodway is based on the limited accuracy of a 40m grid size, we request that the floodway classification be changed to inundation extents in the immediate vicinity of the existing channel as shown in **Figure 6** so that we have the opportunity to do detailed modelling and determine if the existing channel has any effect on flood flows.

3.3 [REDACTED] Floodway Network.

The floodway network ending part the way through the property indicates that it is not a major flow path on the floodplain.

There are areas on the southern side of [REDACTED] where the Draft FMP inundation extents cover high areas that would not get inundated. Satellite imagery of the 2022 flood (2.9% AEP) is shown in **Figure 3**. There is no other satellite imagery of peak flows available for the 2012 or the 2016 floods. From the satellite imagery it can be seen that the flood is confined within the banks of [REDACTED]. The LiDAR survey shows that the natural high bank level on the southern side of the creek is at least as high as the high bank level on the northern side of the creek. The inundation extents of the design flood and hence the floodway network have been corrected to align with the high bank level of [REDACTED] as shown in **Figures 4 and 5**. The inundation extents on the northern side of the creek have been extended north to match the high bank alignment in a couple of areas. The corrected plan of the floodway network is shown in **Figure 6**.

There appears to be some slight alignment issues with the floodway area on the eastern side of the property. The area designated floodway does not follow the bed of the creek. The alignment has been corrected in **Figure 6**.

The floodway network has only been corrected within our property. Although the satellite imagery indicates there are errors with the extent of inundation in the area upstream, it was not amended in this submission as we didn't deem it appropriate to amend the floodway network on land owned by others.

The floodway network shown in **Figure 6** is based on satellite imagery of a significant recent flood, detailed LiDAR survey and local experience. We would like the floodway network to be amended to match that shown in **Figure 6**.

3.4 Identified Aboriginal Cultural Assets and Values.

The use of AHIMS searches is a simple and effective way of identifying Aboriginal cultural assets. It should be noted that the rules on allowable changes in flow conditions (depth, velocity and distribution) and the allowable changes in flows around ecological assets ensure that all Aboriginal cultural assets will be protected anyway. If a search is required it should be done by WaterNSW before the pre-application meeting for a flood work approval and the applicant informed of any specific issues that need addressing.

3.5 Identified Heritage Sites.

If the heritage sites are not flood dependent then the rules for allowable changes in flow conditions will ensure they are not damaged. If a search is required it should be done by WaterNSW before the pre-application meeting for a flood work approval and the applicant informed of any issues that need addressing.

3.6 Identified Ecological Assets.

Ecological assets are easily identifiable from the spatial maps. Again WaterNSW should inform the applicant of any potential issues at the pre-application meeting. This would ensure that any issues relating to cultural and ecological

assets are determined before the application fee and modelling costs are incurred.

As shown in **Figure 7**, there are two wetland areas shown on the ecological assets map within [REDACTED]. Neither is a natural wetland. There are no flat or low areas in the creek and the section of the creek identified as a wetland has a slope consistent with the sections of creek immediately upstream and downstream. Historically, water was slow to drain from this area due to an undersized culvert that was installed under the primary access road in the late 1980's. This culvert has since been enlarged and is no longer a restriction in flow or drainage. The southern wetland area is a localised hollow which except for very rare flood events only collects water from a very localised area. It is very rare for this area to remain moist for any longer than the surrounding soils. The trees in the hollow are correctly labelled as ecological assets (green) but the wetland does not exist. It is a small isolated low area isolated from the creek or any other flow paths.

These areas have been incorrectly classified and the wetland classification should be removed.

3.7 Types of Works Permitted Within a Floodway.

All types of works should be permitted in a floodway as long as the applicant can show that the works do not change the flow distribution, velocities or depth on any neighbouring property. There are many locations where a work in a floodway is well downstream of the upstream boundary, the floodway is confined by natural terrain so that flows will immediately return to the floodway, and any works in that floodway will only affect the property on which they are located. All works should be allowed as long as it doesn't detrimentally affect the floodway flows on any neighbouring property.

The works should not be limited by type, they should only be limited by the effects they have, regardless of floodway network classification.

3.8 Maximum Height for Standard Access Roads Within a Floodway.

Where the works have any effect on the floodway network on neighbouring properties the limit should be 20cm. Where it can be demonstrated they have no effect (similar to that outlined in Section 3.6) there should be no limitation.

3.9 Maximum Height for Primary Access Roads Within a Floodway.

Where the works have an effect on the floodway network on neighbouring properties the limit should be 20cm. Where it can be demonstrated they have no effect (similar to that outlined in Section 3.6) there should be no limitation.

3.10 Additional Information

The analysis of the floodplain imagery and flood levels has been undertaken by [REDACTED] an Agricultural Engineer with [REDACTED]. All of the information provided is available in GIS format. Please feel free to contact [REDACTED] if you would like a georeferenced copy of any of the maps.

Yours sincerely,

[REDACTED]
[REDACTED]
[REDACTED] - [REDACTED]
[REDACTED]
[REDACTED]

7 May 2024

Manager Floodplain Planning Water Planning
NSW Department of Climate Change Energy the Environment and Water

E: [REDACTED]

Dear [REDACTED]

[REDACTED] submission to the Draft Murrumbidgee Valley Floodplain Management Plan Stage One Consultation

Key points

- [REDACTED] infrastructure provides essential surface water supplies and drainage services to our members. Our infrastructure is essential to allow [REDACTED] access to annual allocation available on its Water Access Licences and to provide our customers with water supply and drainage services.
- The [REDACTED] was built by the NSW Government with the assets later transferred to [REDACTED] as part of the NSW Government's policy to transfer its "group schemes" to local ownership. This was staged from 1997 to 2000.
- The NSW Government's planning and construction of the [REDACTED] was cognisant of flooding from the Murrumbidgee River when the channel and drainage was designed, despite no floodplain management plan existing.
- [REDACTED] operations and licencing by the NSW Government was initially under the Water Act 1912 (NSW) with [REDACTED] now regulated under the Water Management Act 2000 (NSW).
- No floodplain management plan was in place in the [REDACTED] area at the time the NSW Government's assets were transferred to [REDACTED] between 1997 and 2000.
- Development of the new Murrumbidgee Floodplain Management Plan needs to recognise the historical context of the development of [REDACTED] water supply and drainage infrastructure. The proposed floodplain boundary needs to be amended to capture the influence of water supply works and drainage infrastructure on the movement of water across the landscape.
- [REDACTED] recommends any modelling to determine the floodplain boundary should include the current level of development (including extensive irrigation development) and approved works. This is the only practical way to determine the floodplain boundary, extent of inundation and movement of water across the developed landscape.
- [REDACTED] recommends amending the modelling to show only those areas impacted by river flooding events during the modelled years and the removal of inundation from localised rainfall events.
- [REDACTED] disagrees with the identified flood dependent ecological assets in our Area of Operation.
- [REDACTED] recommends the list of flood work types be extended to capture supply channel and drainage infrastructure which is essential to the supply of irrigation and drainage services to [REDACTED] members and customers, the delivery of operational water for WaterNSW and the delivery of environmental water for the NSW Department of Climate Change Energy the Environment and Water (the Department) and/or Commonwealth Environmental Water Holder to the Yanco Creek system and environmental assets within [REDACTED] Area of Operation.
- [REDACTED] has extensive knowledge, experience and understanding of the movement of water across our landscape and from the Murrumbidgee River during flood events. [REDACTED] looks

forward to contributing constructively to the development of the Murrumbidgee Floodplain Management Plan in the coming weeks.

1. Introduction

█████ appreciates the opportunity to provide feedback to the Department on the draft Murrumbidgee Floodplain Management Plan (the Plan).

█████ participated in the first round of public consultation for the development of the Plan in June 2023, in Darlington Point, and has also participated in the current consultation.

█████ has major concerns with the Department's approach to the development of the Plan. The Department's approach does not consider existing infrastructure including approved water supply and drainage works. █████ is also not confident the Department is adequately considering changes to the landscape from development which impact on the movement of water across the landscape. The Department needs to acknowledge these developments have occurred in the absence of a floodplain management plan or requirements for a flood work approval at the time of construction.

█████ does not believe the "What we Heard" report accurately reflects █████ discussion around the history, planning and role of our water supply and drainage works on the movement of water across the proposed floodplain area. This includes decisions made at the time of construction by the NSW Government on what is now █████ infrastructure. These decisions included the role of this infrastructure in managing flows across the landscape in a "flood event."

█████ agrees the former floodplain management plans which are not contiguous across the landscape are inadequate, however the development of the new Plan needs to include existing development on the floodplain as essential works. These works need to be considered when defining the floodplain boundary and determining the flood work types which are permitted.

2. About █████

█████ is a gravity fed, off river, irrigation supply scheme in the Murrumbidgee Valley. █████ is a "group scheme" which means it has shared infrastructure providing irrigation and drainage services to its members in our Area of Operation. We supply irrigation and drainage services to just under 500 farms owned by nearly 300 farm businesses who are mainly "mum and dad" farmers.

We deliver environmental water in partnership with the NSW Government and the Commonwealth Environmental Water Holder via our supply and drainage infrastructure. We also deliver operational and environmental water to the Yanco Creek in conjunction with WaterNSW.

█████ also delivers water to WaterNSW mid-river storage █████." Water can only be supplied to this important mid-river storage via █████ Main Canal.

3. [REDACTED] past and current regulatory framework for Water Management Works

[REDACTED] operations and licencing were initially under the Water Act 1912 (NSW) with [REDACTED] now regulated under the Water Management Act 2000 (NSW).

[REDACTED] infrastructure which includes a channel and drainage network was purpose built by the NSW Government from the 1958-1971 and until 2000 it was owned by the NSW government, initially by the NSW Water Conservation and Irrigation Commission (1916-1976) which later became the NSW Water Resources Commission (1976-1986) then the Department of Water Resources (1986-1995.)¹ The responsible government entity at the time of transfer to local ownership was the Department of Land and Water Conservation.

NSW Government's planning and construction of the [REDACTED] was cognisant of flood impacts from the Murrumbidgee River when the channel and drainage networks were designed. This occurred despite no floodplain management plan existing.

The transfer of ownership of the [REDACTED] from the NSW government's Water Administration Ministerial Corporation (WAMC) to local ownership was a staged approach. The following chronological summary describes the arrangements for [REDACTED] works under both the Water Act 1912 and the Water Management Act 2000. This summary only covers the approvals for "works" and does not cover the history of [REDACTED] Water Access Licences or its Environment Protection Licence.

- The first stage occurred in 1997 when the [REDACTED] [REDACTED] [REDACTED] became [REDACTED] (a state-owned corporation).² The creation of the state-owned corporation was preceded by extensive discussion with the irrigation leaders from the former [REDACTED] and the NSW Government. The transfer of government assets to local ownership was an important government "water reform" initiative.
- Transfer to local ownership was subject to a Heads of Agreement (Local Ownership) and a Deed of Separation – Local Ownership. This process resulted in defined "works" (including the supply and drainage infrastructure) being transferred to [REDACTED] ownership, with [REDACTED] being issued with an Irrigation Corporation Water Management Works Licence.

¹ [NSW Water Conservation and Irrigation Commission \(1916-1976\) - Charles Sturt University Regional Archives \(csu.edu.au\)](https://www.csu.edu.au/region/irrigation), accessed 17/4/2024.

² The transfer of assets in the [REDACTED] and the rights of [REDACTED] were transferred to the [REDACTED] on 30 June 1997. The transfer included land, easements and works. [REDACTED] Storage and [REDACTED] Weir were specifically excluded.

- [REDACTED] first Irrigation Corporation Water Management Works Licence referred to as Irrigation Corporation Water Management Works Licence ([REDACTED]) 1997 included the following clause:
 - [REDACTED] required
 - Maintenance of Flood Control Works.

The flood control works authorised by the licence (Document E)³ must be maintained to a standard satisfactory to the Department. The Licensee must maintain and implement a flood operation plan approved by the Department, for the management of flood impacts caused by the Licensee's works.
- The IC licence also authorised the Water Supply Works, Drainage/Discharge Works, and Groundwater Monitoring Works. The subsequent IC licence restates these authorisations.⁴
- The following extract from the IC licence conditions states the obligations of the licensee for flood and floodplain management, including referencing the works not being within a designated floodplain.

IC Conditions

A.4 Flood and Floodplain Management

Background

The Licensee is responsible for the effects that its infrastructure (levees, channel banks) may have on the distribution and level of flood flows. All these works, recorded in the asset schedules, are authorised at their dimensions at the time of issue of the Licence and must be operated for the passage or blockage of flow as established by the Department. Alteration of dimensions and operational practices must be recorded or undertaken in prior consultation with the Department. The Licensee is not responsible for private works but may have an interest in ensuring compatibility with its own works.

Objective for Flood and Floodplain Management

To manage infrastructure on the floodplain in such a way that established environmental and property conditions are preserved or enhanced.

Legislation & Guidelines

- Water, Act 1912: Part 8 deals with works on water courses and works in designated or non-designated floods plains that may affect the distribution of flood waters. Currently the Licensee's authorised works are not within any designated floodplain.

Irrigation Corporation Water Management Works Licence IC 4 (Environmental Management Conditions).

³ Document E is a map showing the levees to eastern side of [REDACTED] main canal, which were the flood control works referenced at [REDACTED]

⁴ Irrigation Corporation Water Management Works Licence [REDACTED] 1997.

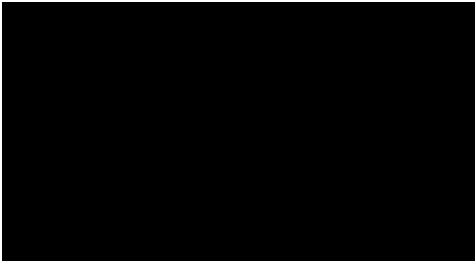
- The IC licence has now been replaced by [REDACTED] Combined Approval Water Supply Work Approval and Water Use approval, approval number [REDACTED]. This approval commenced on 1 July 2004 and ends on 30 June 2032.

Changes to [REDACTED] IC and reporting licence under the Combined Approval have resulted in the reporting requirements for Floods and Floodplain Management being removed by the Department's predecessors. Historically [REDACTED] was required to report on any flood events and changes to infrastructure relating to floodplain Management in the Annual Compliance Report, copies of which can be found on [REDACTED] website [REDACTED]. The Annual Compliance Report was previously provided to the Department's predecessors and is now provided to the Natural Resources Access Regulator. [REDACTED] produces an Annual Compliance Report which meets [REDACTED] reporting requirements against the following NSW Approval and Licence:

- Combined Water Supply Work Approval and Water Use Approval [REDACTED] (Murrumbidgee regulated river water source) and Combined Water Supply Work Approval and Water Use Approvals for Groundwater extraction [REDACTED] and [REDACTED] and
- Environment Protection Licence No [REDACTED]

In the transition from the Irrigation Corporation Licence under the Water Act 1912 to [REDACTED] Combined Approval Water Supply Work Approval and Water Use Approval the Department's predecessors have not raised or drawn [REDACTED] attention to the requirements for anything other than [REDACTED] combined approval for works. Annual reviews of [REDACTED] Annual Compliance Report have also not raised any issues about our approval.

The figure below shows [REDACTED] authorised works with the flood control works shown in yellow.



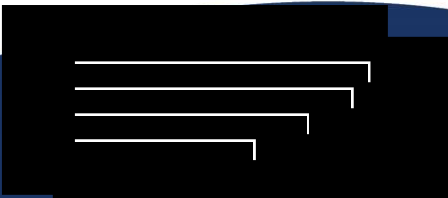
4. Proposed Floodplain Boundary

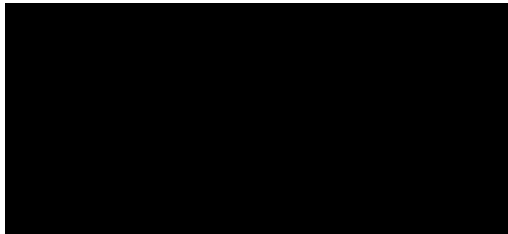
██████ does not support the proposed boundary for the Murrumbidgee Valley Floodplain. The proposed floodplain boundary does not account for the influence of ██████ authorised works.

██████ recommends the proposed floodplain boundary is modified to capture the extent of river flood inundation more accurately for the design event selected (see figure below⁵).

██████ is available to discuss our proposed boundary amendment and reasoning with the Department.

⁵ This boundary amendment only deals with area south of the Murrumbidgee River.



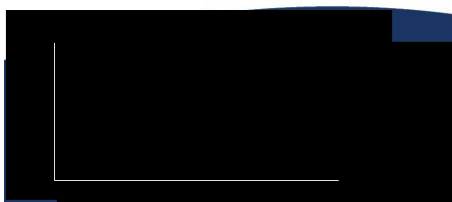


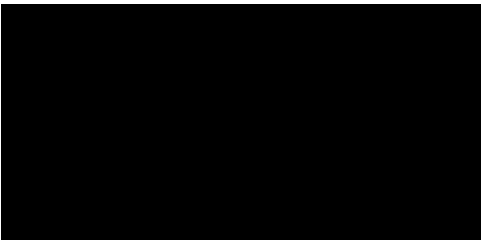
5. Proposed design floods

████ understand the Department's logic in selecting the proposed design floods and acknowledge these floods are relevant to recent lived experience.

████ recommend the Department consider the 1974 and 1956 floods as reference points to the changes in inundation as a consequence of the construction of the ██████████ █████.

The figure below shows █████ on ground experience on inundation for the 2012 flood event.



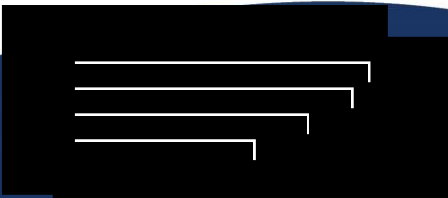


6. Proposed floodway network

█████ does not support the proposed floodway network. The proposed floodway network intersects and overlaps █████ Main Canal and █████ Catchment Drain at several sites.

This proposed floodway network does not reflect the reality of the floodwater interaction with █████ authorised water supply works. If these areas were to be declared a floodway, and works were to be restricted to the specific types listed in Table 1 (Draft Murrumbidgee Floodplain Management Plan page 23), █████ may be unable to continue its essential function of supplying members and customers, including WaterNSW and environmental watering sites with access to their annual allocation.

An example of the proposed floodway network intersecting and overlapping █████ authorised works is presented in the figure below.



7. Identified flood-dependent and flood-impacted Aboriginal cultural assets and values

█ has no comment on identified flood dependent and flood impacted Aboriginal cultural assets and values in the █ Area of Operation.

8. Are there other heritage sites on the floodplain that should be considered?

█ has no comment on identified heritage sites in the █ Area of Operation.

9. Identified flood-dependent ecological assets

█ does not support the proposed flood dependent ecological assets identified in the draft Plan in our Area of Operation. The proposed flood dependent ecological assets intersect and overlaps with █ Main Canal and drains at several sites. If these areas were to be declared as flood-dependent ecological assets, and works were to be restricted to the specific types listed in Table 1 (Draft Murrumbidgee Valley Floodplain Management Plan page. 23), █ may be unable to continue its essential function of supplying members and customers, including WaterNSW and environmental watering sites with access to their annual allocation.

An example of the proposed flood-dependent ecological assets intersecting and overlapping █ authorised works is presented below.

10. Localised variances to some rules for flood work applications

█ recommends the list of flood work types be extended to capture supply channel and drainage infrastructure which is essential to the supply of irrigation and drainage services to █ members and customers, the delivery of operational water for WaterNSW and the delivery of environmental water for the Department and/or Commonwealth Environmental Water Holder to the Yanco Creek system and environmental assets within █ Area of Operation.

The supply channel (below ground) definition in Table 1 (Draft Murrumbidgee Valley Floodplain Management Plan page. 23), for providing access to water rights from the water sources, is not suitable for █ gravity feed irrigation supply system.

11. Concluding comments

█ looks forward to contributing constructively to the development of the Murrumbidgee Floodplain Management Plan in the coming weeks.



█ has extensive knowledge, experience and understanding of the movement of water across our landscape from the Murrumbidgee River during "flooding" events. This includes how our infrastructure functions under different flooding events and how features of █ assets support the movement of water across parts of the floodplain. This includes directing water southwest towards the natural drainage lines and east of █ Area of Operation into the Yanco Creek.

It is essential the next version of the draft Floodplain Management Plan utilises this knowledge to captures these features.

If you require further information please contact █ █ █ Policy and Communication Manager, via reception on █

Yours sincerely

█



Thank you for providing the [REDACTED] with the opportunity to provide feedback on the Revised Floodplain Management Plan in regard to [REDACTED].

I have looked at all the information and tried to display what I have gathered in the attached Map 1.

Discussion

As background I suggest the following thoughts:

The Existing Plan Attachment A

Stops at [REDACTED] and covers the area to the East of [REDACTED] Road.

The Landholder ([REDACTED]) is happy with the original plan and its implementation but also welcomes the updating to a new plan that reflects the reality that farm management and floodplain management has evolved in the recent years

The existing plan had two relevant issues with regard to [REDACTED]

- 1) Syphons to be installed to allow Irrigation water to traverse the Floodplain, these are now installed.
- 2) Licensing and construction of Floodway banks. There are three flood works on the property.
 - a) One which is approved but not constructed within the plan area. This will be covered later in this report, but generally seen by the landholder as not required
 - b) Two which run east west along the north and south boundaries of the accepted floodway on the property west of the [REDACTED] Road. These are constructed and the landholder sees no issue that calls for them to be revisited. They are running parallel approx. 700 m apart. They have a history of handling recent floods including the proposed plan design flood.

Map attached

The Proposed Plan Attachment B

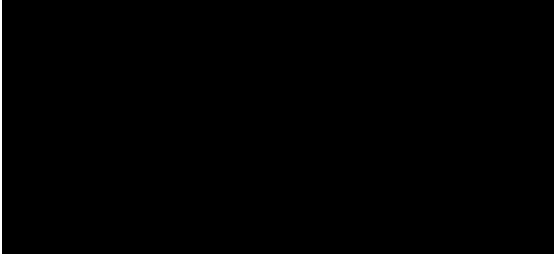

The proposed Floodplain management Plan will extend to the township of Balranald and the [REDACTED] [REDACTED] welcomes this. Our comments will center on each area. East of the road and west of the road.

Western side of the road

- The Floodway here works historically and we see no need to amend the existing works.
- The capacity of the area as both flow through and storage capacity (inundation area) is sufficient to provide safe operation.
- The capacity for flow in this area is limited to the maximum flow possible through the bridges ([REDACTED] Road) and flood plain capacity east of the [REDACTED] Road. This capacity is also severely limited by works further east on the floodplain such as [REDACTED] access Road and [REDACTED] access road and irrigation channel. We offer no comment here as we have no history of details of these issues other than to say we expect past flows to represent max possible generally in future.
- The width of approx. 700m is sufficient.
- Levee locations are shown [REDACTED] drawn in yellow

Eastern Side of the road

- This area is considerably more complex
- It contains (not limited to)

- 
- 
- **An approved flood work** (not constructed)
This work as shown [redacted] is generally accepted as outdated and in the wrong place. The farm design has moved on from the positioning of these works
 - **Regulated and unregulated land under the Biodiversity Act 2017.** Unregulated land is considerably more valuable than regulated land. The [redacted] are in the business of crop production and irrigation. Unregulated land is very valuable to them. The unregulated land is shown on the attached map
 - **Existing farming operations** are based on the unregulated and Irrigation development will continue to extend to all unregulated land. Under The Hay Shire Local Environmental Plan (LEP) this can be done without development approval (DA).
 - **Both Approved and unconstructed water storages.**
The [redacted] are in possession of an approval for a water storage as shown on the attached map
 - **Main flood runner creeks.** The proposed plan shows two main flood runners within this area. Upstream proposed floodway, blue area shows 2 dark blue lines indicating streams
We feel the Northern one is correct for the main flow
Southern one incorrect because North to South portion flows into a burrow pit made by landowner during construction of the adjacent existing water storage
With regards to southern stream it originally had a true course shown in existing floodplain management plan, the supply to original course now no longer exists due to irrigation development many years prior.

Suggested resolution

The landholder feels that the floodway design in this area can easily achieve all desired outcomes by using both natural attributes and engineered solutions.

The new design should have both floodway and inundation extent

The new floodway should follow approximately the route of the existing plan (Map 2 attached)

It should

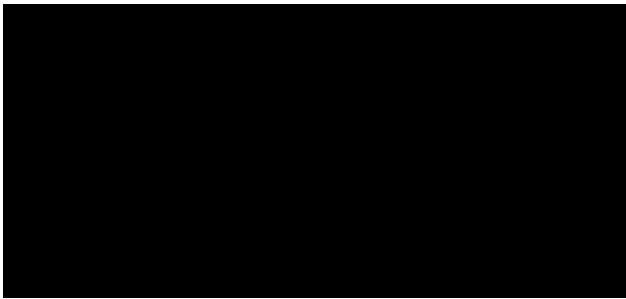
- Contain the main flood runner
- Have a single Flood way bank on the southern boundary along the edge of the unregulated land
- Have no structures within it
- Contain a large burrow pit on the northern side (within floodway) of the southern floodway bank. The size of this burrow pit should reflect a large proportion of the required flow for the area.

The landholder would note that the natural surface to the north of this area rises well above the required height to contain the flow rate required. This gives considerable inundation area for the floodway.

The plan also suggests a large area of ecological value. The landholder feels that any area mapped as such should also reflect the regulatory map as referred to in the Biodiversity Act 2018. As such the ecological areas should be limited to regulated land or sensitive land as shown on the reg Map.

We note that as per section 3.5.3 of the Existing flood management plan vegetation is not protected if its removal is authorized by other legislation such as the Biodiversity Act 2018 or Native vegetation act 2003.

The area of inundation thus should be restricted to the floodway as defined by the existing management plan



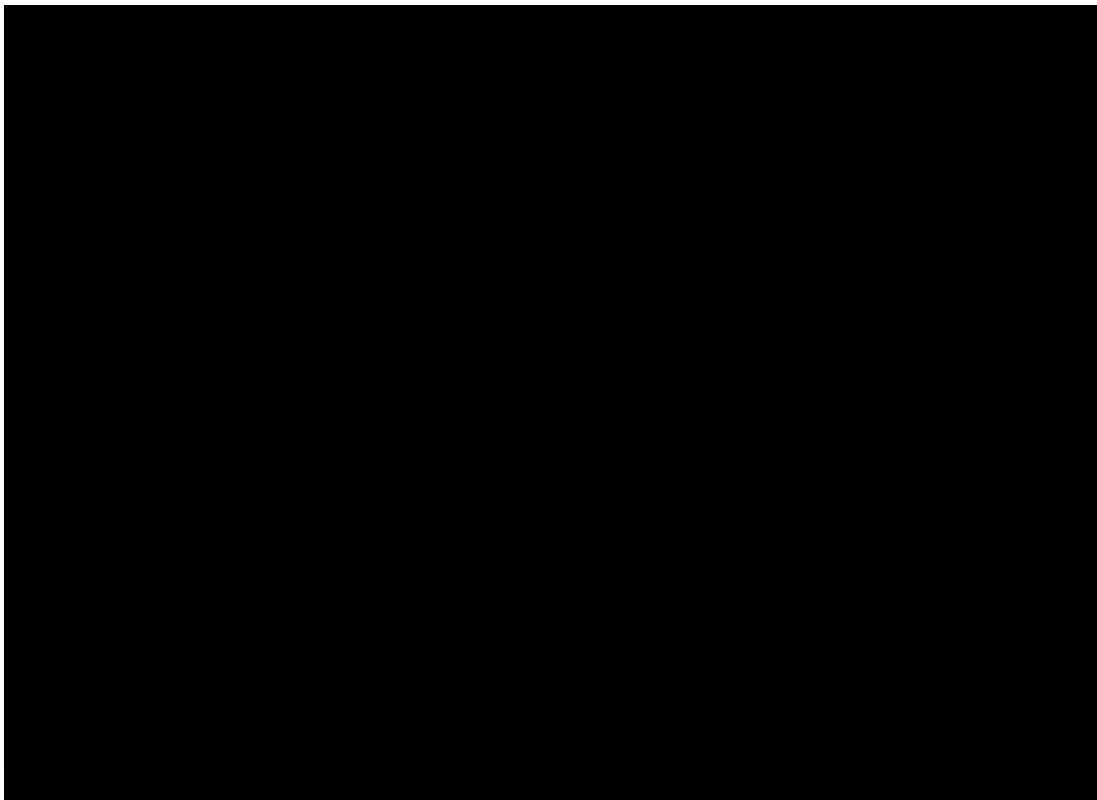
Floodplain Water harvesting

The [redacted] would also like to comment on the issue of Floodplain water-harvesting
The [redacted] property has as History of Use of floodwater and would like this recognised. There is a precedent set by the issuing of Lowbidgee licenses in years past.

Similar to Cairn and Nimmie system water use, these should be recognized either by the issuing of formal licenses or extraction rules attached to approved works within the flood zone.
The extraction of water from peak flows would greatly assist in managing peaks and assisting in assuring safe farm management.

The [redacted] is updating its water supply infrastructures and would like assurance of how harvesting would work to enable suitable structures to be added to the design.

Attachment A

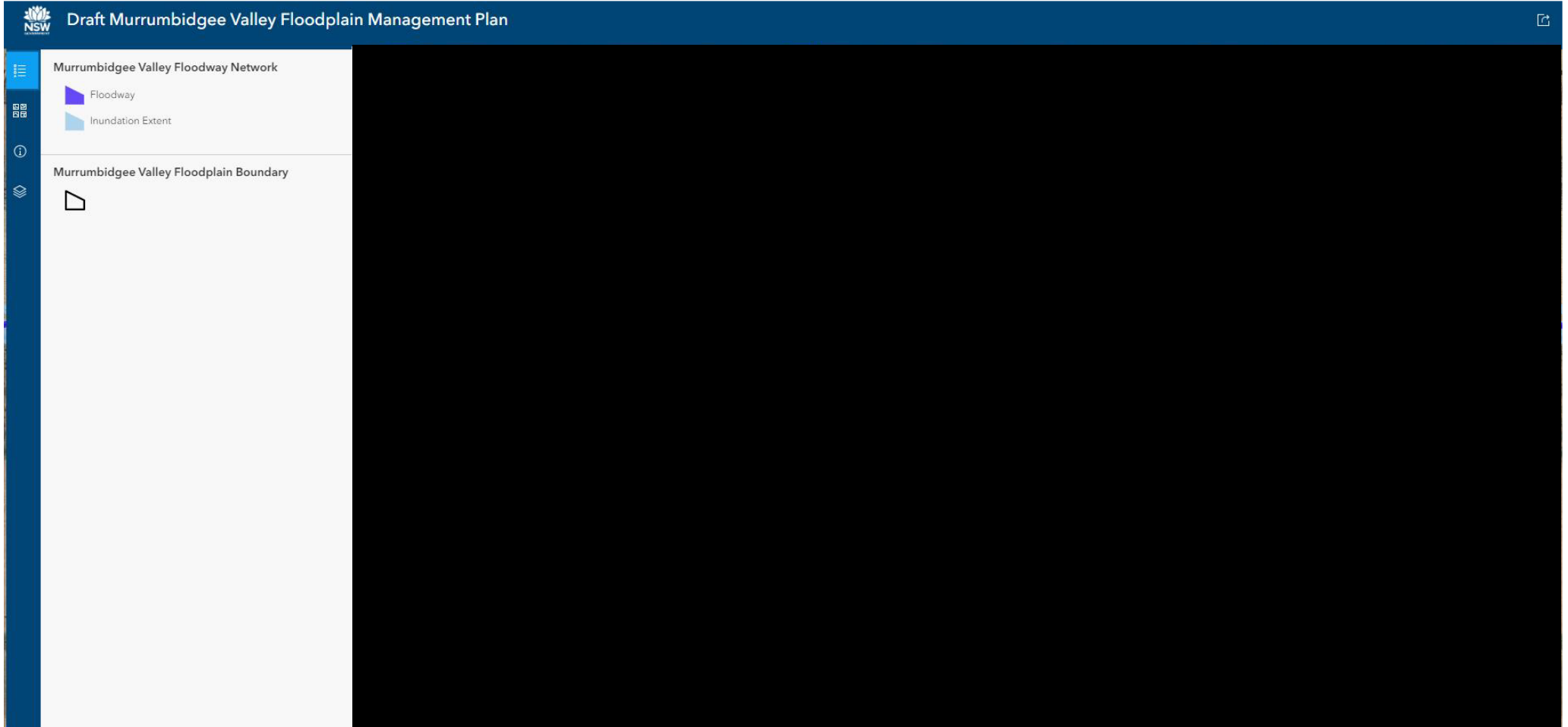


Interactive spatial map link: <https://trade.maps.arcgis.com/apps/instant/sidebar/index.html?appid=f8f67378870d4a9290b7354a17abc826>

Proposed Floodway Network around [REDACTED]

Dark blue = main floodways (deepest, fastest flowing floodwater)

Pale blue = inundation extent (areas of ponding) – **The pale blue area is the first to drain. Not a lot of ponding in these areas on my place.**



Murrumbidgee River flows overland at [REDACTED] into Bundidgerry Creek but doesn't break its banks until it backs up from Narrandera.

Same map as above but zoomed in a little closer

NSW Draft Murrumbidgee Valley Floodplain Management Plan

Legend

- Murrumbidgee Valley Floodway Network
 - Floodway
 - Inundation Extent
- Murrumbidgee Valley Floodplain Boundary
 - [Symbol]

Basemap Gallery

Details

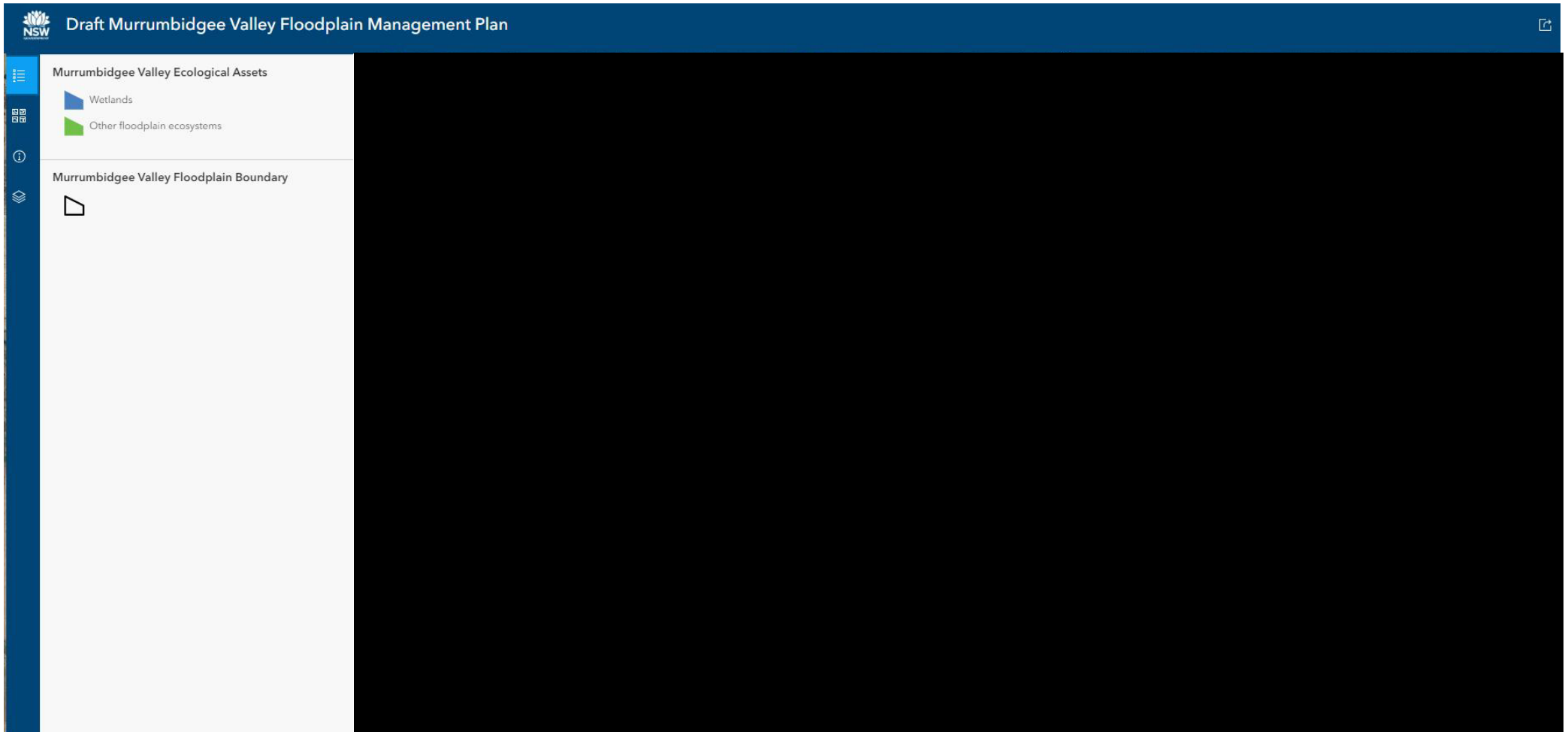
Layers

<< Collapse

Identified ecological assets around [REDACTED]

Blue = wetlands and swamps

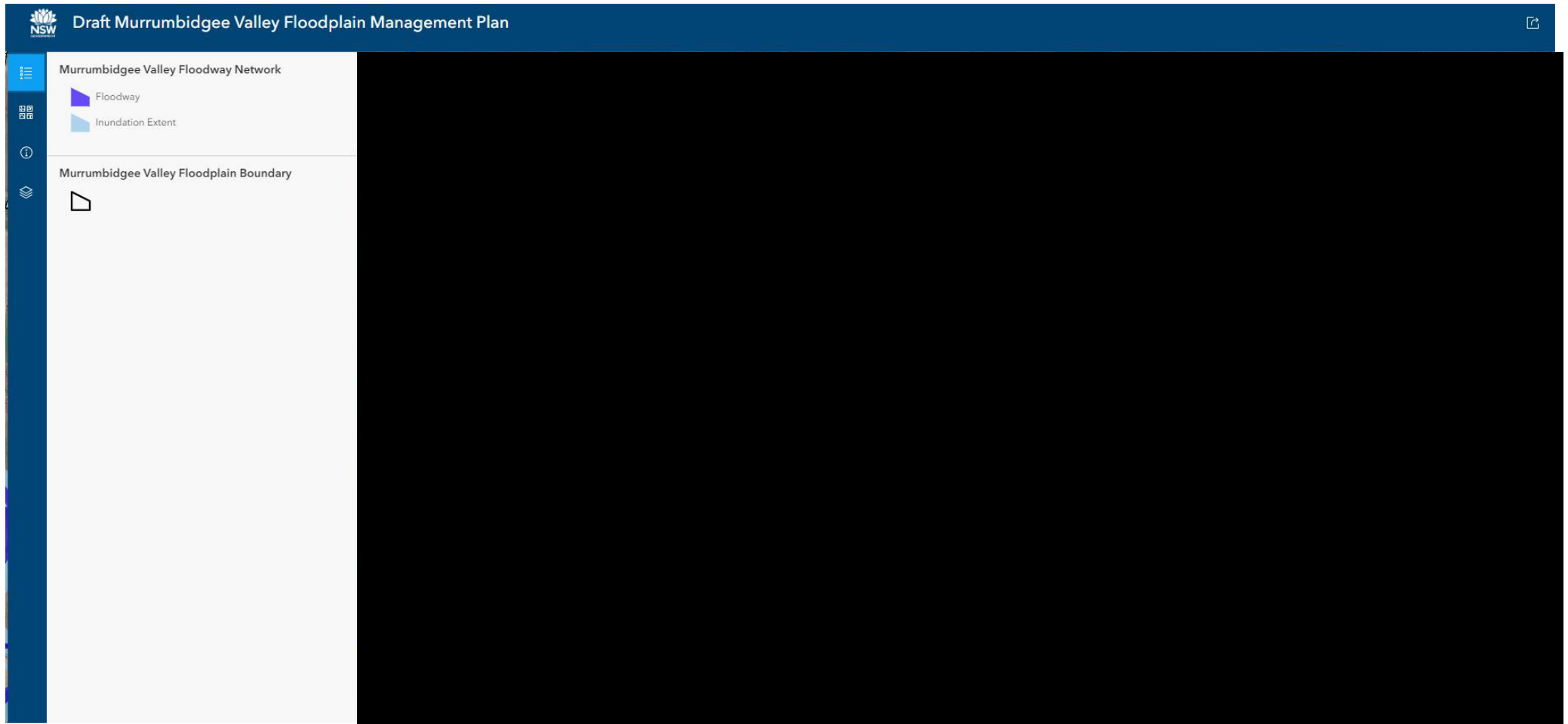
Green = Other floodplain ecosystems (e.g. forests and woodlands that depending on periodic flooding to survive)



This is an irrigation drainage channel, not a flood ecosystem.

Proposed Floodway Network around [REDACTED]

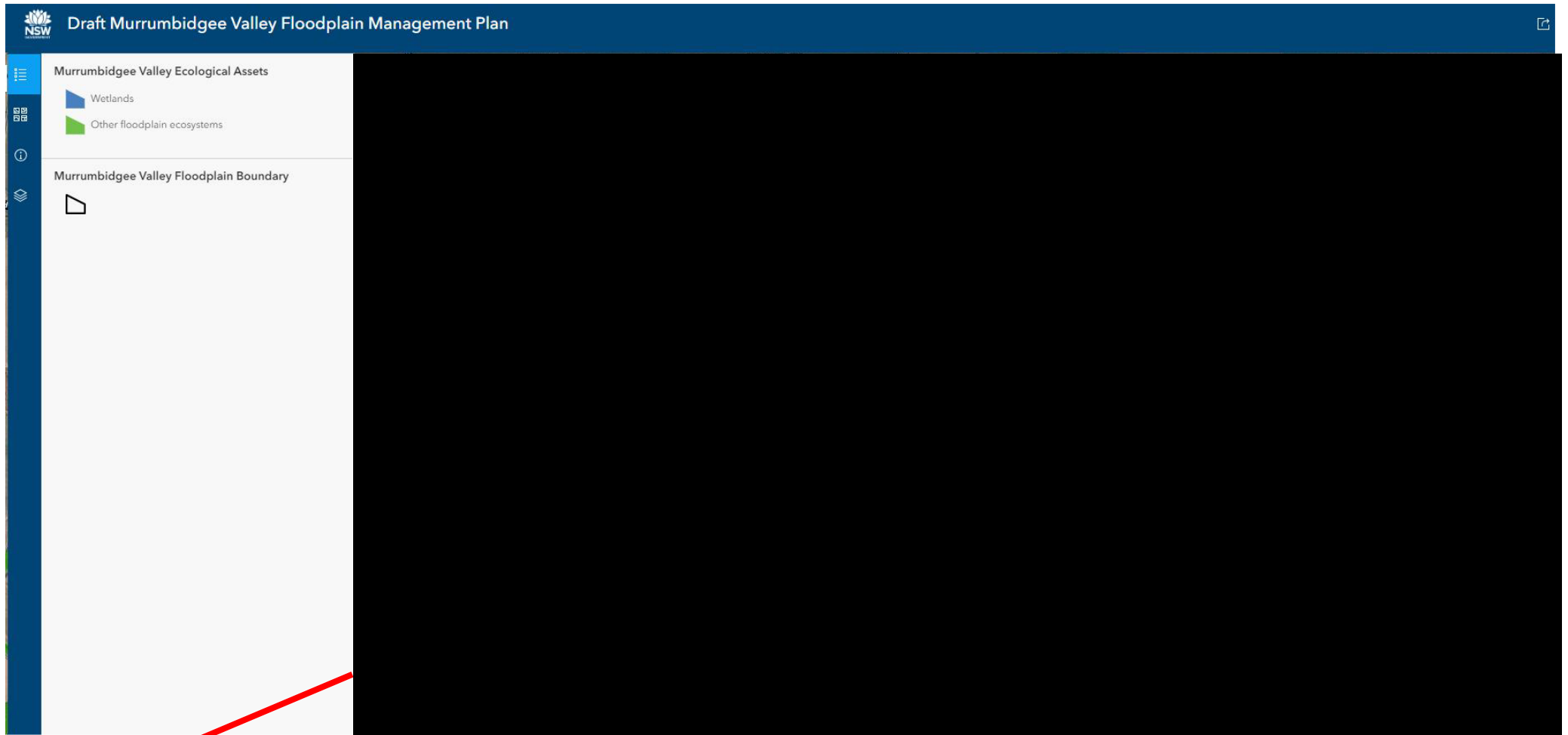
Note: The proposed floodplain boundary is also shown as the heavy black line to the north and follows the Newell Highway



The Bundiggerry Creek doesn't flood until the flooding Murrumbidgee River hits the bottleneck in Narrandera.

This water backs up from Narrandera, running up-hill until it catches up with the water coming downstream from [REDACTED]. [REDACTED] Arrows indicate flow of floodwater.

Identified ecological assets around [REDACTED]



Around 15-20 big old trees sitting on water bearing sand under clay – they get plenty of water.
Not a wetland. Located on the side of a sandhill.

These trees are located on the side of the road. I don't believe they are a flood ecosystem.