

WWA Tree Ring Survey

1. Default Section

1. In what areas do you work? (select all that apply)

- | | |
|--|--|
| <input type="checkbox"/> Planning | <input type="checkbox"/> Private Consulting |
| <input type="checkbox"/> Operations | <input type="checkbox"/> City Government |
| <input type="checkbox"/> Research | <input type="checkbox"/> County/State Government |
| <input type="checkbox"/> Water Conservation District | <input type="checkbox"/> Federal Government |
| <input type="checkbox"/> Water Conservancy District | |

Other (please specify)

2. What initially prompted your interest in tree rings or the use of tree ring data?

3. What outcomes have resulted from your participation in the tree-ring technical workshops? (select all that apply)

- I have a better understanding of how streamflows are reconstructed from tree rings
- I have a better understanding of the range of natural variability in streamflow
- I have a better understanding of how the streamflow reconstructions can be used in water management
- Tree ring data are more credible to me and/or my organization
- I realize the potential usefulness of tree-ring data to my organization
- I now use tree-ring data in my work
- I was already using tree-ring data, but now recognize additional applications
- I have not used the information I received [or learned] at the workshop
- Other

Please provide a brief description of your choices

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4. How have tree-ring data been used by you, your organization, or organizations that you consult for? (select all that apply)

- To broaden understanding of hydrologic variability
- To educate users/public
- To educate board or other decision-makers
- As input into a water system model or other model
- For quantitative analysis, but not in a modeling environment
- To inform planning and decision-making
- I have not used tree ring data in my organization

Please provide a brief description of your choices

5. How do you, your organization, or organizations that you consult for ANTICIPATE using tree ring data in the future? (select all that apply)

- To broaden understanding of hydrologic variability
- To educate users/public
- To educate board or other decision-makers
- As input into a water system model or other model
- For quantitative analysis, but not in a modeling environment
- To inform planning and decision-making
- I do not have future plans for using tree ring data at this time

Please provide a brief description of your choices

6. Have you shared the information from the workshop with others inside or outside your organization?

- Yes, they have been very receptive
- Yes, they are interested, but have more questions
- Yes, but they are not very interested
- No, I have not shared the information

Other (please specify)

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7. Do you or individuals in your organization have any of the following concerns that might limit use of tree ring data? (select all that apply)

- Tree ring data are too uncertain/not credible
- Stakeholders/public may not accept/understand use of tree ring data
- Observed/gaged record is sufficient for our planning needs
- It is difficult to use tree-ring data in qualitative or quantitative assessments with gage data
- It is difficult to incorporate information related to tree-ring data into decision-making
- None of the above

Other (please specify)

8. Would any of the following help you make better use of tree-ring data since you have attended the technical workshop (besides the specific data products and/or workshops discussed in the Durango, Cheyenne, and Albuquerque workshops that will be delivered in the next year)?

Because this survey is anonymous, we will not be able to identify you with a response to this question. We ask that you email Connie Woodhouse (conniew1@email.arizona.edu) or Jeff Lukas (Lukas@Colorado.edu) if you would like us to follow up with you regarding your additional needs.

- I need more tree-ring data (specific reconstructions, data sets)
- I need technical assistance using tree-ring data in models or other applications
- I need assistance communicating the tree-ring record to others in my organization
- I would like to see a follow-up workshop (describe below)
- I do not require any additional information at this time

Other (please specify)

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9. Overall, how useful has the information you were presented in the WWA technical workshop been to you or your organization?

- Very useful
- Somewhat useful
- Not useful

Comments and Other Suggestions for Future WWA Workshops

10. Besides participating in technical workshop(s), what other interactions have you had with the Western Water Assessment (WWA), WWA tree-ring researchers (Connie Woodhouse and Jeff Lukas), or tree-ring data? (select all that apply)

- I have had interactions or meetings with WWA researchers
- I have received tree-ring data/products from WWA researchers directly, or through intermediaries
- I have downloaded WWA tree-ring data products from WWA or NOAA websites
- I have viewed information on the WWA tree-ring website
- I have had interactions with non-WWA tree-ring researchers
- None of the above

Other (please specify)