



## **Addendum 2 to Quality Assurance Project Plan**

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### **Lower Yakima River Thermal Refuge Temperature Monitoring**



Agreement: WRYBIP-1921-BentCD-00011

Prepared by:  
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Benton Conservation District

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## Publication Information

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This Quality Assurance Project Plan Addendum is on the Department of Ecology's website at <https://apps.ecology.wa.gov/publications/SummaryPages/2412002.html> This is an addition to an original Quality Assurance Project Plan (QAPP) and subsequent addendum 1. It is not a correction (errata) to the original plan.

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Data for this project will be available on Ecology's Environmental Information Management (EIM) website at [EIM Database](#). Search Study ID WRYBIPBentCD00011.

### **Original Quality Assurance Project Plan:**

Appel, M. 2020. Quality Assurance Project Plan: Lower Yakima River Thermal Monitoring. Benton Conservation District, Richland, WA.

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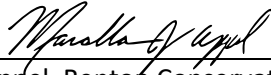


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## Lower Yakima River Thermal Refuge Monitoring

May 2024

Approved by:

 Signature: Mark Nielson, Benton Conservation District Manager	Date: 5/20/2024
 Signature: Marcella Appel, Benton Conservation District Water Resource Project Manager	Date: 5/20/2024
 Signature: Kevin Haydon, Project Manager, Washington Dept. of Ecology	Date: 5/20/2024
 Signature: Scott Tarbutton, Quality Assurance Coordinator, Washington Dept. of Ecology	Date: 5/28/2024

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## 5.0 Organization and Schedule

### 5.1 Key individuals and their responsibilities

Key individuals and responsibilities are provided Table 1.

**Table 1. Organization of project staff and responsibilities.**

Staff <sup>1</sup>	Title	Responsibilities
Marcella Appel	Water Quality Project Manager, Benton Conservation District	Provides project oversight and ensures project is in compliance with Scope of Work. Responsible for project communication, organization and data collection, EIM input, reviewing reports, QAPP adherence and project communication.
Chris Perra	Lower Yakima River Coordinator, Yakama Nation	Will provide project management and technical support for data collection and analysis
Zac Zacavish	Lower Yakima Project Manager, Mid-Columbia Fisheries	Will provide project management, ensuring that project deliverables are achieved on-time and on-budget with adequate documentation
Thomas Sexton	Agricultural Resource Specialist, Benton Conservation District	Provides project support for EIM input, data analysis, logger deployments and retrieval.
Riley Zionce	Agricultural Resource Technician, Benton Conservation District	Provides field support for project deliverables including, logger deployments, field downloads, and QA/QC checks for deployed loggers, and PIT tagging download support
Kevin Haydon	Project Manager	Review and approves QAPP, annual and final reports, and communicates with grant Project Manager to ensure the project stays on time and within budget.
Scott Tarbutton	Quality Assurance Coordinator	Provides review and approval of QAPP addendum

EIM: Environmental Information Management database

### 5.3 Organization chart

BCD, Mid-Columbia Fisheries and YN will work collaboratively on this project. Ms. Appel, Mr. Zacavish, and Mr. Perra will communicate about the project every six to eight weeks depending on seasonality. BCD, Mid-Columbia Fisheries, and YN will collaborate to determine the most suitable thermal refuge monitoring locations. YN will provide support as in-kind match. Mid-Columbia Fisheries and BCD have a Memorandum of Understanding for the contracted project work. Responsible project staff and lines of communication are demonstrated in Figure 1.

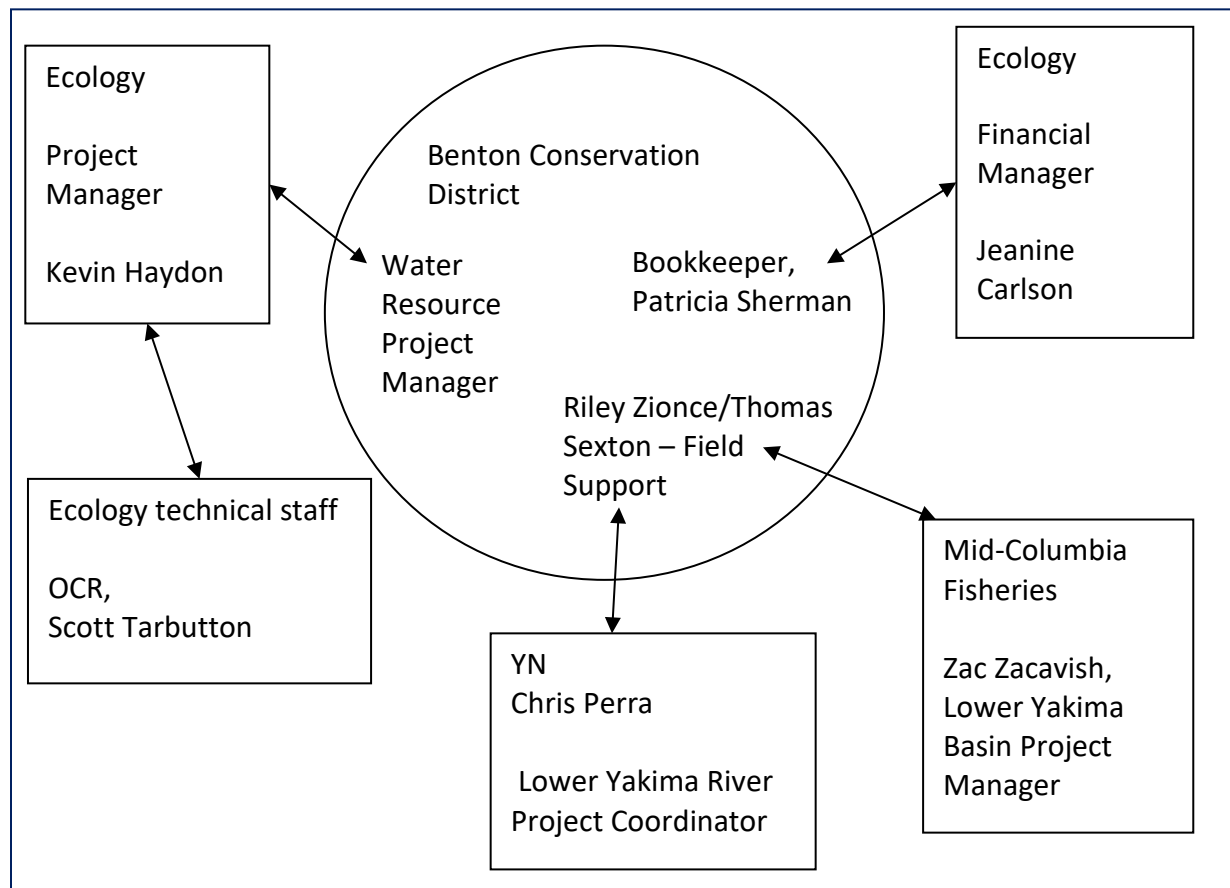


Figure 1. Organizational Chart for Project Communication.

## 5.4 Proposed project schedule

The project schedule is available in **Table 2**.

**Table 2. Proposed schedule for completing field data collection, data entry into EIM, and reports.**

Field and laboratory work	Due date	Lead staff
Field Work Completed	October 2024	Appel
<b>Environmental Information System (EIM) database</b>		
EIM Study ID	WRYBIPBentCD00011	
Product	Due date	Lead staff
EIM data loaded	December 2024	Appel and Sexton
EIM data entry review	January 2025	Ecology EIM Review
EIM complete	February 2025	Appel and Sexton
<b>Final report</b>		
Author lead / Support staff	Appel (BCD), Zacavish (Mid-Columbia), Perra (YN)	
Schedule		
Draft due to Ecology	November 2024	
Final (all reviews done)	February 2025	
Final report uploaded to EAGL	February 2025	