



# North Fork Payette River Watershed Coalition

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Steering Committee Meeting #2





# Systems Thinking for Social Change

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A Practical Guide to Solving Complex Problems, Avoiding Unintended  
Consequences, and Achieving Lasting Results

by David Peter Stroh



# See The Big Picture



Conventional Thinking	Systems Thinking
The connection between problems and their causes is obvious and easy to trace.	The relationship between problems and their causes is indirect and not necessarily obvious.
Others, either within or outside our organization, are to blame for our problems and must be the ones to change.	We unwittingly create our own problems and have significant control or influence in solving them through changing our behavior.
A policy designed to achieve short-term success will also assure long-term success.	Most quick fixes have unintended consequences. They make no difference or make matters worse in the long run.
In order to optimize the whole, we must optimize the parts.	In order to optimize the whole, we must improve <i>relationships</i> among the parts.
Aggressively tackle many independent initiatives simultaneously.	Only a few key coordinated changes sustained over time will produce large systems change.

# Why use Systems Thinking?

Works well for chronic, complex problems where diverse stakeholders find it difficult to align their efforts despite shared intentions.

<b>The Challenge</b>	<b>Benefits of a Systems Thinking Approach</b>
<b>Motivation:</b> Why should we change?	Show responsibility for current reality
<b>Collaboration:</b> Why should we work together?	Demonstrate how people's current ways of interacting undermine both their individual and their collective performance.
<b>Focus:</b> What should we do?	Use leverage to change the few things that change everything else
<b>Learning:</b> Why bother?	Recognize that our actions matter, and that we need to learn from the consequences of our actions

“Learning from a diverse group of stakeholders not only builds understanding but also develops the relationships required to shift how the system operates.”

“Listen for what is curious, distinguishing measurable data from how people interpret these data, identifying key variables, and looking for recognizable story lines or archetypes.”



# Historic Work in the NFPRW

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*A Summary*



# What motivates people to become involved?

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Results from the NFPRWC booth at the Valley County Fair & Rodeo

We asked :

We want to hear from YOU!

What are your water concerns and what is affecting you?

Write down your thoughts or add a sticker next to a thought you agree with.

And here's what the public said...



## Results from the NFPRWC booth at the Valley County Fair & Rodeo

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We had 44 people interact with our display. Here are the results:

- Love fishing on Lake Cascade. Tired of reeling in algae. I want to keep the water clean & fish healthy. - 9
- I want to preserve our natural water resources for future generations.- 6
- I want our water to be safe drinking for dogs and wildlife. - 4
- I would love to be able to swim in the lake at the end of summer! - 4
- I want to safely wakesurf. Sure ride the core not the shore! - 3
- Our population should not overtake our water supply. - 3
- I want to see cows out of the lake! - 3

Continued on next slide...

## Results from the NFPRWC booth at the Valley County Fair & Rodeo

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- Don't like to swim in green, gross stuff. - 2
- Idaho Power take water over the top of the dam. Now no thermocline. - 2
- Save Lake Cascade. - 2
- I want days with no motorized boats allowed on the lakes. Protect our drinking water first. Recreation second.
- Bring our salmon and steelhead back! Replace the Lower Snake River Dams!
- Hoping an easier process for well water testing, of well water for homeowners, would be available.
- Keep Idaho beautiful!
- I live on a creek and want to keep the banks from eroding.
- What can the public do to make our water cleaner & safer?

# What motivates people to become involved?

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What is the mission of the Coalition?


What are the benefits that it provides to stakeholders?

How do we want to divide our stakeholders? By type? By region?

## Potential Benefits of the NFPR Watershed Coalition:

1. Identifies funding to upgrade Ag practices.
2. Promotes healthier livestock, fishery, and wildlife.
3. Provides greater crop production while conserving water.
4. Increase land values.
5. Reduce erosion and sedimentation.
6. Increase tourism.
7. Protects drinking water.
8. Enhance the scenic beauty of the landscape and protect the quality of life
9. Community educational outreach.
10. A safeguard for Valley County's lakes and rivers for future generations.
11. Achieve satisfaction by helping others.
12. Provides leadership in community resource conservation.

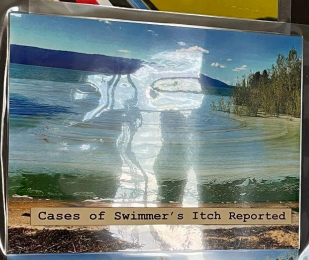
# Additional Outreach: Display at Fair



**Health Advisory Issued  
2018 - 2022  
for Lake Cascade in Valley County**




**ALGAL BLOOMS RETURN**  
to Lake Cascade and Payette River



**Cases of Swimmer's Itch Reported**

**Protect Your Pets from Harmful Algal Blooms**




**Lake Cascade Shows No Improvement**




**Algal Blooms Should Ring Alarm Bells**

**Petroleum Product Discovered in Payette Lake**





**Valley County Adopts Waterways Plan**

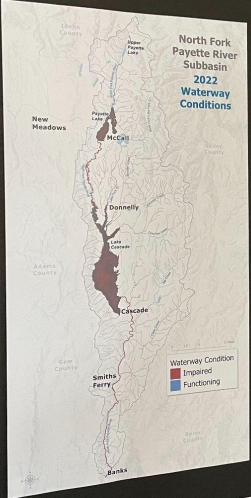


**Additional Water Testing Planned in Response to Recent Findings**

**Our Waterways are in Trouble!**

The North Fork Payette River (NFPR) watershed extends from upstream of Upper Payette Lake to Banks.

As you can see in the map below, this watershed, critical to local, domestic, wildlife, agricultural, and recreational water use, is impacted by nutrient loading, sediment inputs, and loss of cold-water habitat from many indirect sources.



**North Fork Payette River Subbasin 2022 Waterway Conditions**

Waterway Condition:  
■ Impaired  
■ Functioning

These increasing pressures threaten the drinkability, economic potential, recreational use, natural beauty, and other beneficial uses of the waterways in the NFPR watershed.

**NRCS Expands Source Water Priority Areas for Idaho**

Valley Soil & Water Conservation District continues to work to improve water quality in North Fork Payette River Watershed



**North Fork Payette River Watershed Coalition**

Water quality in our waterways is a widespread, complex, and chronic issue that will take everyone working together to solve.


We want to bring everyone's voice, opinion, expertise, and passion to the table.

**First Coalition Meeting: September 2023**

**YOU** need to be there!


If you value the streams, rivers, and lakes that make Valley County a great place to live, **you belong at this meeting.**

Scan the QR code below with your mobile device to visit our website.



From there, you can sign up for our mailing list, learn more about watershed issues, and find resources to help you start improving **YOUR** water quality today.

OR type the following into your web browser:  
<https://valleysoil.org/north-fork-payette-river-watershed-coalition/>



**VALLEY SOIL & WATER CONSERVATION DISTRICT**

10000 E. Highway 200, Valley, ID 83455  
 Phone: 208.338.2222  
 Website: valleysoil.org  
 Follow us on Facebook @valleysoil

## Additional Outreach: Tri-fold Brochures



### North Fork Payette River Watershed Coalition

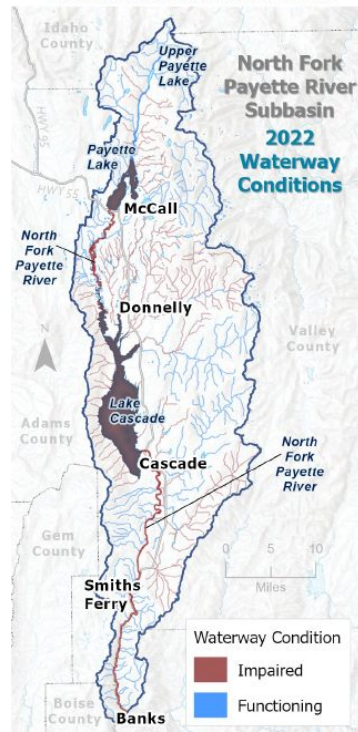
**We Need You!**



### Our Waterways are in Trouble!

The North Fork Payette River (NFPR) watershed extends from upstream of Upper Payette Lake to Banks.

As you can see in the map below, this watershed, critical to local, domestic, wildlife, agricultural, and recreational water use, is impacted by nutrient loading, sediment inputs, and loss of cold-water habitat from many indirect sources.



These increasing pressures threaten the drinkability, economic potential, recreational use, natural beauty, and other beneficial uses of the waterways in the NFPR watershed.

### What is the NFPR Watershed Coalition ?

We want to bring everyone's voice, opinion, expertise, and passion to the table.

The Coalition brings together public land and resource managers, municipalities, private industry, farmers, ranchers, irrigators, recreationists, developers, landowners, and the general public.



This diverse set of stakeholders will work together to help identify and prioritize various issues in the watershed, develop a North Fork Payette River Watershed Restoration Plan, and access funding to implement solutions.

Water quality in our waterways is a widespread, complex, and chronic issue that will take everyone working together to solve.

## Additional Outreach: Tri-fold Brochures

Deteriorating water quality has an impact on all of us.



### Do YOU...

- Enjoy recreating in clean water?
- Want your kids, dogs, and livestock to be in the water without the risk of getting sick?
- Appreciate the visual appeal and smell of clean waterways?
- Value quality fisheries and fish habitat?
- Have a passion for preserving diverse wildlife habitat and animal health?
- Own or work for a business that relies on tourism?
- Aim to maintain your property value?
- Feel concerned about erosion on your property?
- Want to identify funding to implement water conservation practices on your farm, ranch, or waterfront home?
- Care about protecting your and your livestock's drinking water?
- Desire to preserve our natural water resources for future generations?

Why do you care about water quality in ValleyCounty? LET US KNOW!  
Contact us and make sure your voice and passion for your water resources are heard!

## How can you become involved?

First Coalition Meeting: September 2023

YOU need to be there!

If you value the streams, rivers, and lakes that make Valley County a great place to live, you belong at this meeting.

Scan the QR code below with your mobile device to visit our website.



From there, you can sign up for our mailing list, learn more about watershed issues, and find resources to help you start improving YOUR water quality today.

OR type the following link into your web browser.  
<https://valleyswcd.org/north-fork-payette-river-watershed-coalition/>

Collaboratively, we can have a positive impact on the water quality and health of the NFPR watershed!



Website: [valleyswcd.org](http://valleyswcd.org)  
Follow us on social media @valleysoilwater



This project is overseen by the Valley Soil & Water Conservation District and is funded by a USBR WaterSMART Cooperative Watershed Management Program grant.

# Coalition Schedule Progress Tracking

Federal Financial Report Cycle			
Reporting Period Start Date	Reporting Period End Date	Reporting Type	Reporting Period Due Date
05/19/2023	09/30/2023	Semi-Annual	10/30/2023
10/01/2023	03/31/2024	Semi-Annual	04/30/2024
04/01/2024	09/30/2024	Semi-Annual	10/30/2024
10/01/2024	03/31/2025	Semi-Annual	04/30/2025
04/01/2025	06/30/2025	Final	10/28/2025

Performance Progress Report Cycle			
Reporting Period Start Date	Reporting Period End Date	Reporting Type	Reporting Period Due Date
05/19/2023	09/30/2023	Semi-Annual	10/30/2023
10/01/2023	03/31/2024	Semi-Annual	04/30/2024
04/01/2024	09/30/2024	Semi-Annual	10/30/2024
10/01/2024	03/31/2025	Semi-Annual	04/30/2025
04/01/2025	06/30/2025	Final	10/28/2025





# Coalition Budget Tracking

BUDGET ITEM DESCRIPTION	TOTAL AWARD AMOUNT	AMOUNT SPENT	AMOUNT REMAINING
SALRIES, WAGES, FRINGE BENEFITS	\$70,200.00	\$0.00	\$70,200.00
TRAVEL	\$1,854.00	\$0.00	\$1,854.00
SUPPLIES/MATERIALS	\$16,567.00	\$7,511.24	\$9,055.76
CONTRACTUAL	\$89,960.00	\$6,971.75	\$82,988.25
OTHER	\$4,023.00	\$0.00	\$4,023.00
TOTAL DIRECT COSTS	\$182,604.00	\$14,482.99	\$168,121.01
INDIRECT COSTS			\$0.00
10% MTDC	\$15,616.00	\$0.00	\$15,616.00
TOTAL ESTIMATED PROJECT COST	\$198,220.00	\$14,482.99	\$183,737.01

# Expense Breakdown

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NFPR Watershed Coalition Expenses	
Type	Amount
NFPR Coalition Equipment	\$5,262.55
NFPR Coalition Operations/Supplies	\$1,229.42
NFPR Coalition Contractors/Wages	\$6,971.75
NFPR Coalition - Other	\$1,019.27
<b>TOTAL EXPENSES</b>	<b>\$14,482.99</b>