

Idaho Department of Environmental Quality

Update on Revision of Idaho's Human Health Criteria for Arsenic Docket No. 58-0102-1801

Mary Anne Nelson

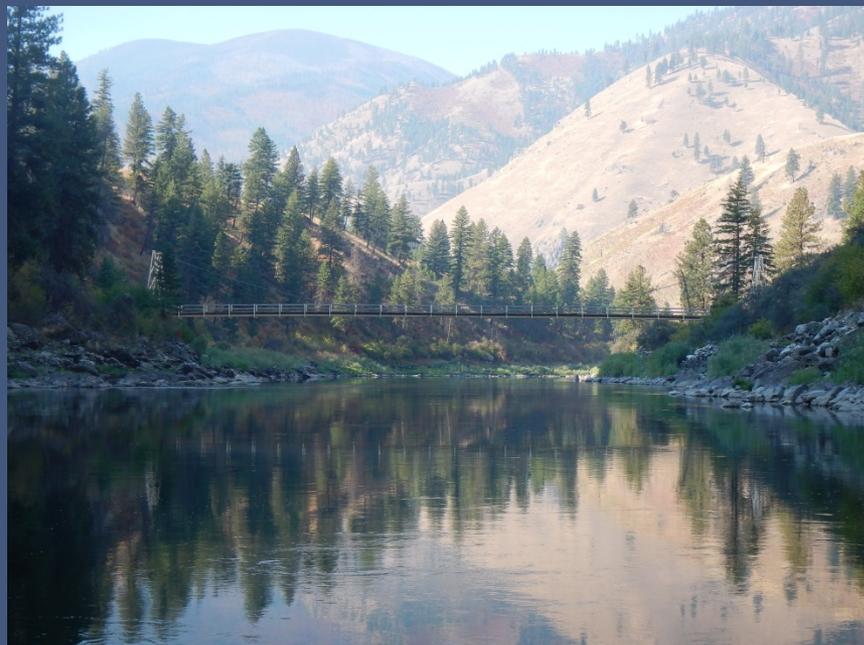
Jason Pappani



Salmon River

Outline

- Review
- History
- Monitoring
- Next Steps



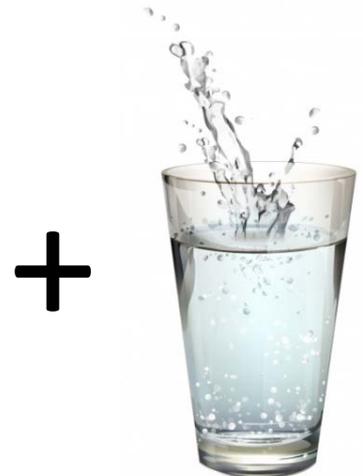
Human Health

Recreation

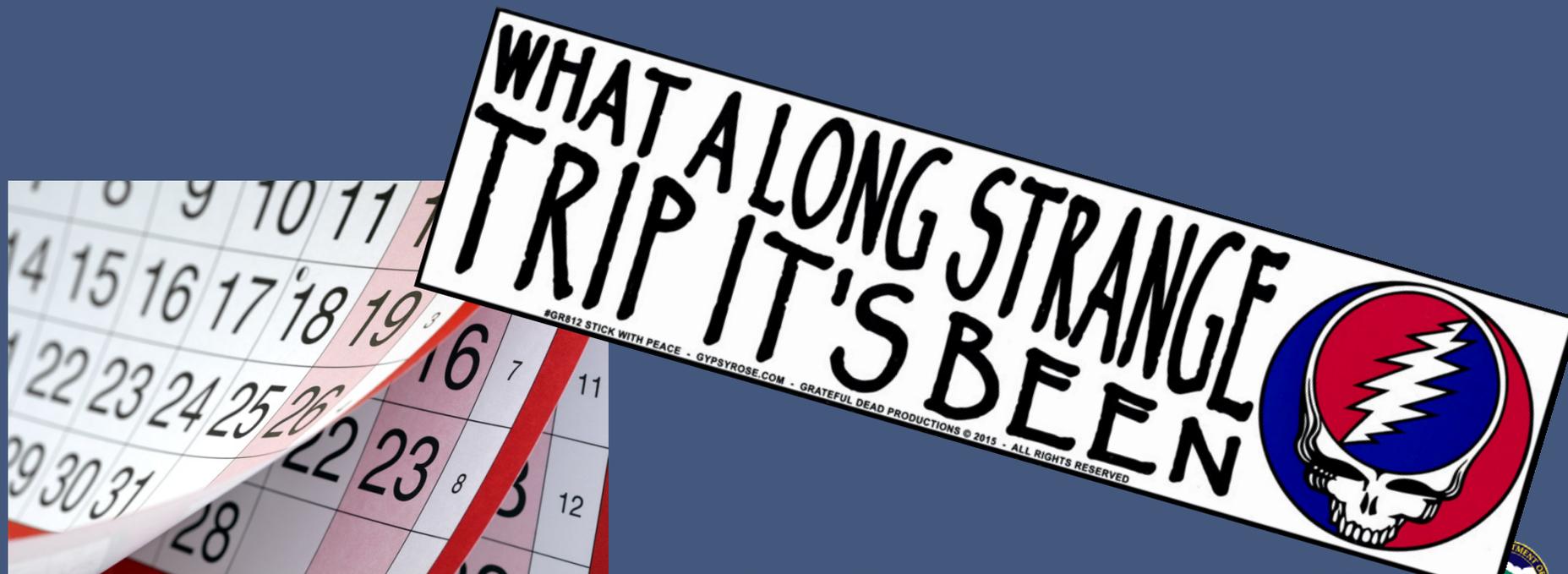
Domestic Water
Supply

Fish Only

Fish + Water

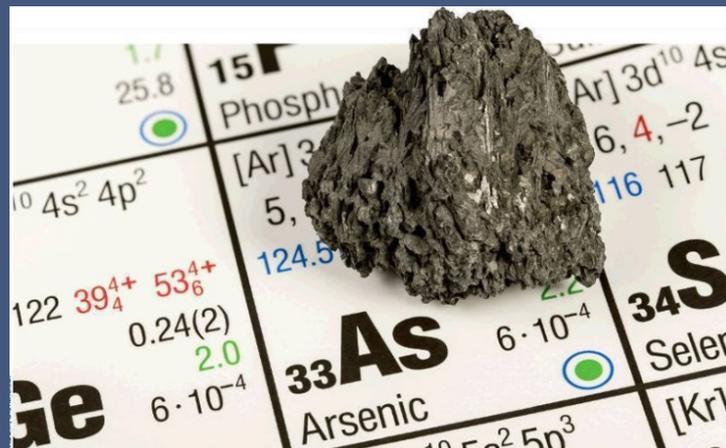


1992	1995	1999	2010	2016	2018	2023
National Toxics Rule	Idaho Revises	Idaho Adopts MCL	Idaho Revises to new MCL	EPA reconsiders, disapproves	Idaho initiates rulemaking, EPA and NWEA modify consent decree	New state or Federal Criteria



Overview of Rulemaking

- Previous Meetings
 - April 19, 2018
 - May 23, 2018
 - June 27, 2018
 - July 13, 2019



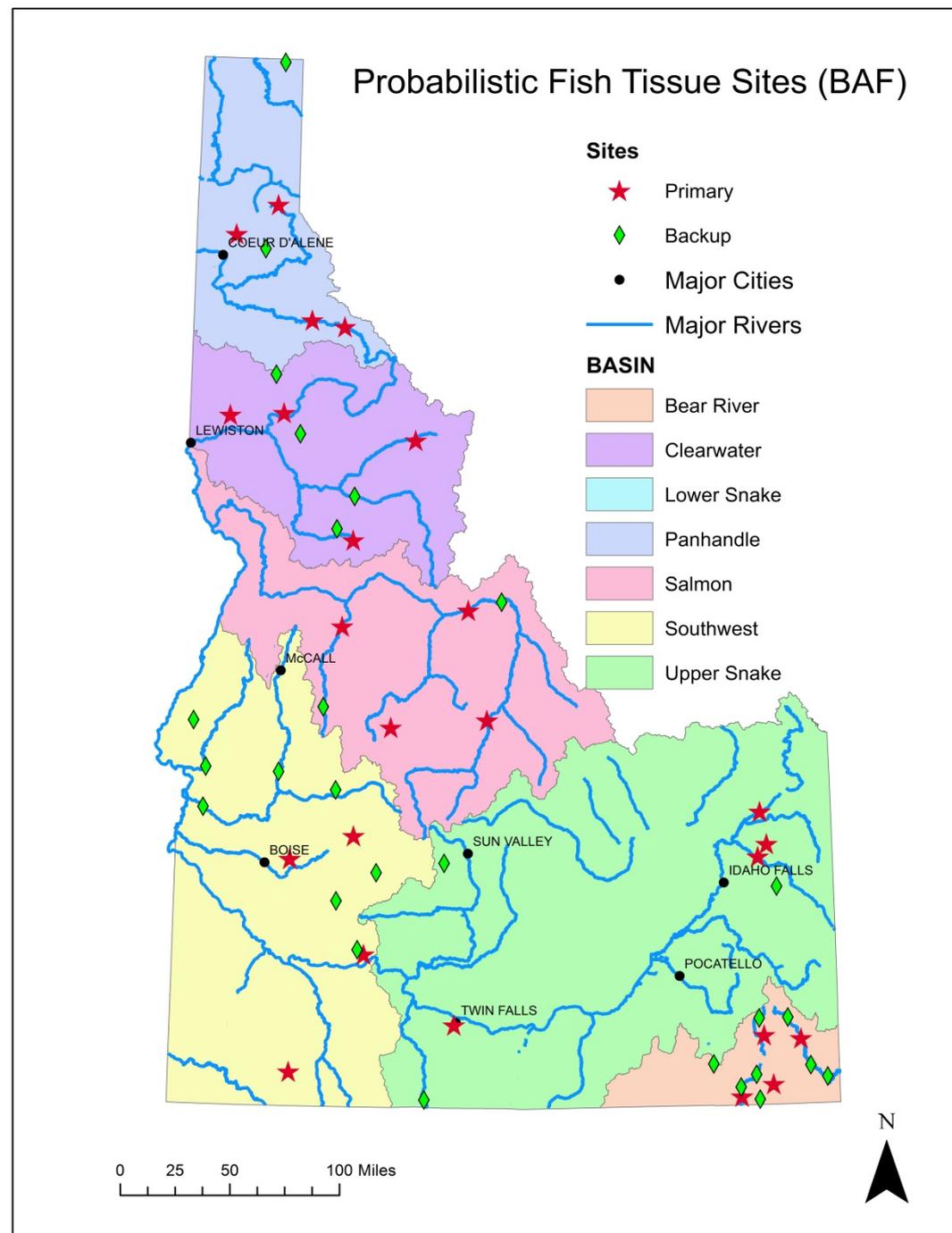
Monitoring

- Probabilistic Arsenic Accumulation in Fish
- Targeted Ambient in Water



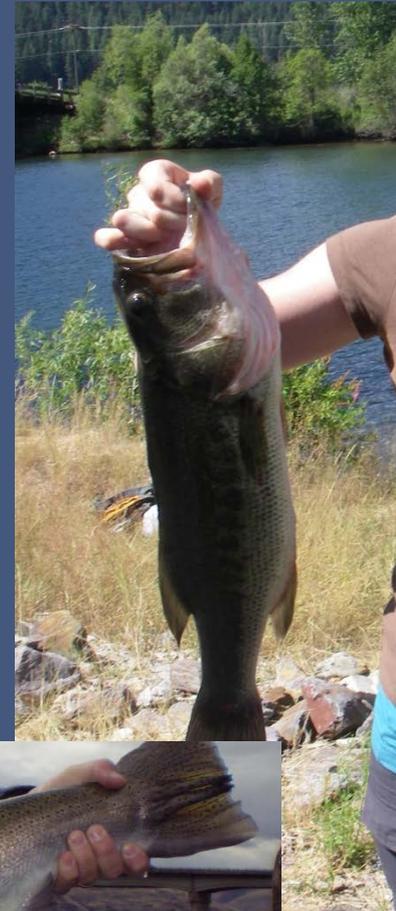
Probabilistic As Accumulation

- 24 Sites
- Arsenic in gamefish and water



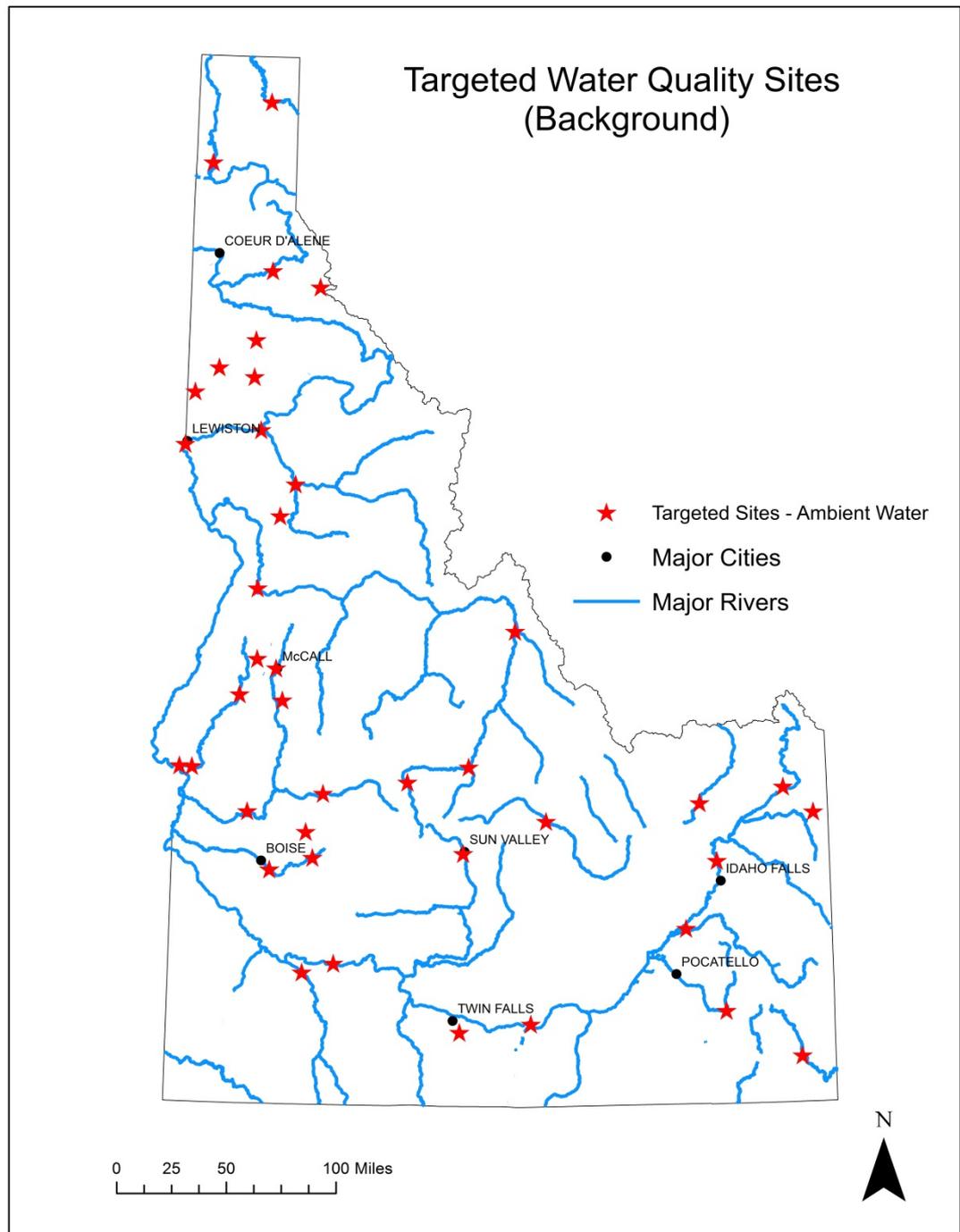
Results

- Goal: 24 sites X 2 Species
- Sampled: 24 sites
 - 19 had two species
- total 46 samples
 - 19 samples had 5 fish



Targeted Ambient Arsenic

- Monthly
- Accessible



Targeted Ambient Arsenic August 2019

Inorganic As, $\mu\text{g/L}$

● 0.040 - 1.00

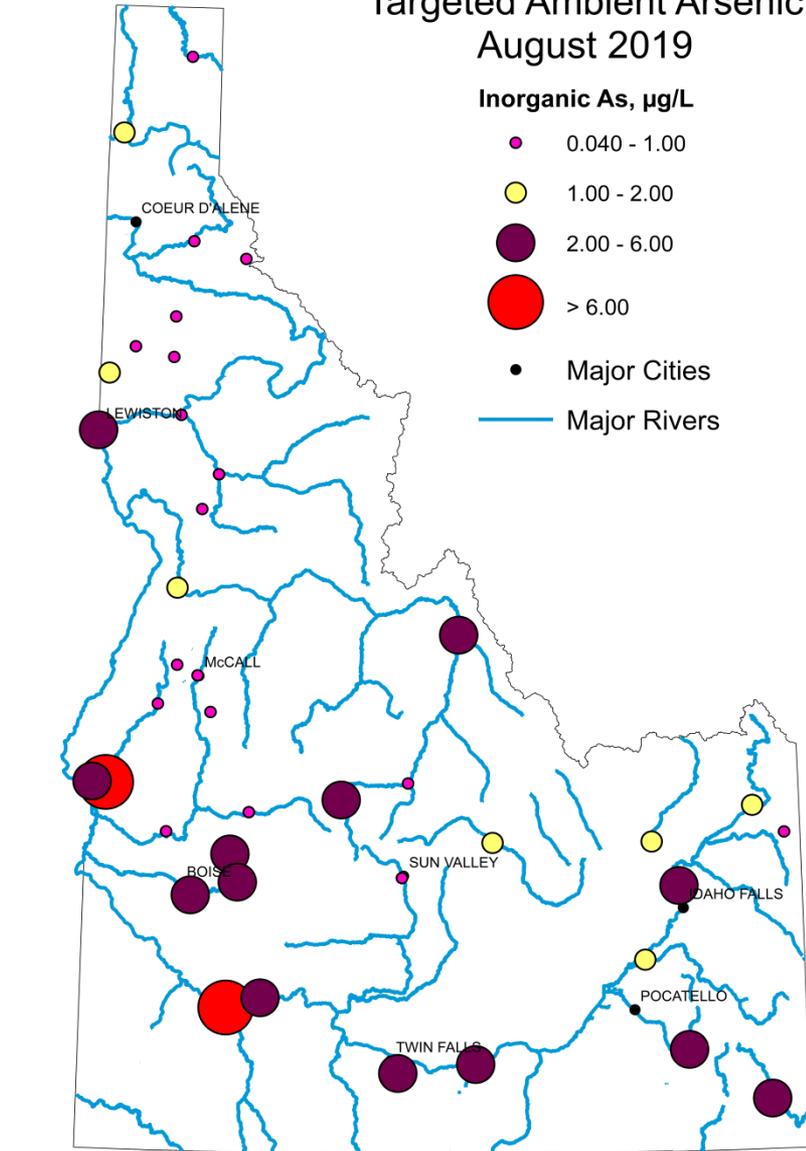
● 1.00 - 2.00

● 2.00 - 6.00

● > 6.00

● Major Cities

— Major Rivers



0 25 50 100 Miles

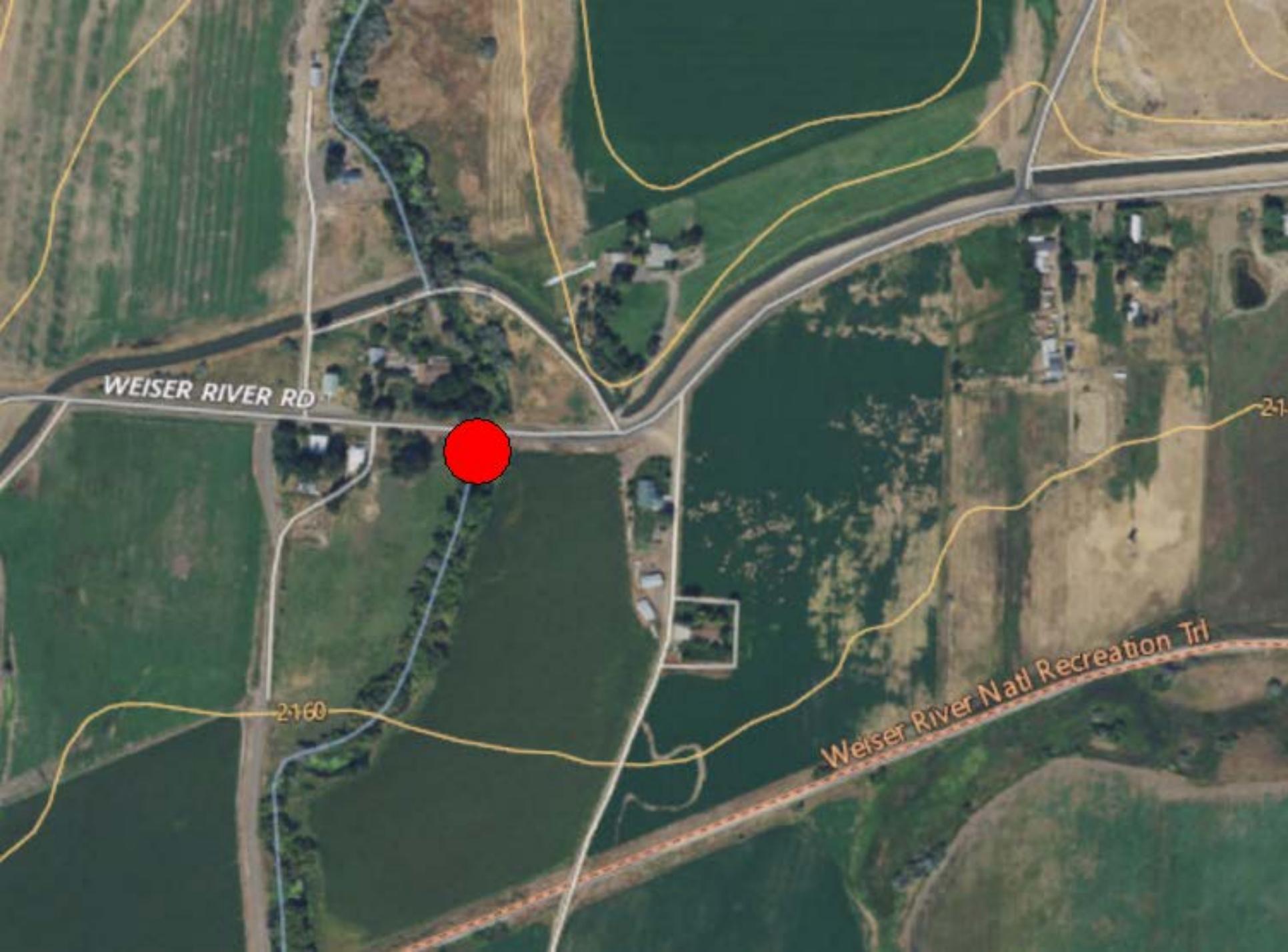


Range =
0.49 – 11.90 $\mu\text{g/L}$

Median =
1.610 $\mu\text{g/L}$

Average =
1.966 $\mu\text{g/L}$





WEISER RIVER RD



2160

Weiser River Natl Recreation Trl

21

Next Steps...

- November 20, 2019
 - Present preliminary results, discuss future monitoring
- Continue rulemaking through 2022
 - Monitoring to continue
 - Proposed rule for Board adoption November 2022
- Legislative approval 2023



Questions?

