



IDAHO WASHINGTON AQUIFER COLLABORATIVE

iwac.us

P.O. Box 1822
Post Falls, ID 83877

Suzanne Scheidt - President
 BiJay Adams - Vice President
 Rob Lindsay - Secretary
 Ron Wilson – Treasurer
 Terry Pickel – Past President
 Dan Kegley – President Emeritus

Our Water. Our Future.

The Idaho Washington Aquifer Collaborative (IWAC) works to maintain and enhance water quality and quantity for present and future generations by developing management strategies which benefit the Spokane Valley Rathdrum Prairie Aquifer and the Spokane River watersheds.

December 12, 2023, Location: Post Falls Water Reclamation Facility, 2002 West Seltice Way, Post Falls, ID 83854, Admin Building #2, and via Zoom. Representatives present are indicated below.

	Organization	Representative	Email Address
	Avondale Irrigation District	Bob Chandler	bobchandlercda@gmail.com
	Bar Circle S Water Company	Rob Turnipseed	avondalecon@frontier.com
√	City of Coeur d’Alene Water, Director	Kyle Marine	kmarine@cdaid.org
√	City of Post Falls	John Beacham Craig Borrenpohl Alyssa Gersdorf	jbeacham@postfalls.gov cborrenpohl@postfalls.gov alyssag@postfalls.gov
√	City of Spokane Water Department	Doug Greenlund	dgreenlund@spokanecity.org
	Coeur d’Alene Tribe of Indians	Rebecca Stevens	rstevens@cdatribe-nsn.gov
	Consolidated Irrigation District No. 19	Shane Sheppard	consolidatedirrigation@comcast.net
	East Greenacres Irrigation District	Ron Wilson	ron@eastgreenacres.org
	Hayden Area Regional Sewer Board	Ken Windram	ken@harsb.org
	Hayden Lake Irrigation District	Branden Rose	branden@haydenirrigation.com.
√ √	Liberty Lake Sewer and Water District	BiJay Adams Jeremy Jenkins	bijay@libertylake.org jjenkins@libertylake.org
	JUB Engineering	Cory Baune	cbaune@jub.com
	Moab Irrigation District	Scott Inch	moabirr20@gmail.com
√	Model Irrigation District	Rick Neal Ryan Neal	rickaneal@gmail.com ryan.o.neal509@gmail.com
√	Modern Electric Water Company	Jason Beesley	jbeesley@mewco.com
	North Kootenai Water & Sewer District	Suzanne Scheidt Paul Tucker Dave Duthie	suzannes@nwwsd.com pault@nkwsd.com daved@nkwsd.com
√	SAJB Program Leader	Tonilee Hanson	sajbinfo@gmail.com

	Spokane Co. Environmental Services	Rob Lindsay	rlindsay@spokanecounty.org
	Spokane County Water District No. 3	Kelly Williquette Justin VanDyke	scwd3engr@comcast.net jvandyke@scwd3.org
√	Vera Water and Power	Todd Henry	thenry@verawaterandpower.com
	Whitworth Water District	Tim Murrell Matt Wright	tim@whitworthwater.com matt@whitworthwater.com
	IWAC Past President	Terry Pickel	tpickel@live.com
√	IWAC President Emeritus GSI Water Solutions Consultant	Dan Kegley	dkegley@gsiws.com dmkegs@outlook.com
	IDEQ - SWP	Mark Elliot	Mark.Eliot@deq.idaho.gov
	IDEQ	Seth Oliver	Seth.Oliver@deq.idaho.gov
√	U of I Extension	Jim Ekins	jekins@uidaho.edu
	WA DOH Drinking Water	Scott Mallery	Scott.Mallery@doh.wa.gov
	WA Dept. of Ecology	Chris Beard	chbe461@ecy.wa.gov
	Parsons Behle & Latimer	Norm Semanko	NSemanko@parsonsbehle.com
√	City of Spokane Valley	Henry Allen	hallen@spokanevalley.org

AGENDA

Welcome and Introductions – IWAC Vice president Bijay Adams welcomed everyone and called the meeting to order at 1:34 pm.

Agenda Additions or Revisions – No changes.

Approval of Meeting Minutes – VP Adams called for additions or corrections to the November 14, 2023, meeting minutes. Alyssa Gersdorf requested updating the email addresses for John Beacham, Craig Borrenpohl, and herself to (@postfalls.gov). The meeting minutes, as amended, were approved by consensus.

Financial Report – Treasurer Ron Wilson was absent but sent the Treasurer’s report following the meeting. The following invoices were paid.

- \$2,500.00 SAJB Reimbursement for Administrative Services Check # 3847
- \$ 70.20 Anne Francis Web Design Check # 3848

The Mountain West Bank Balance as of 11/30/23 was \$17,422.63. The November bank balance does not reflect the DEQ SWP Grant Reimbursement of \$22,800.00 which was received on 12/7/23.

Old Business

Discussion – Funding and Updating the 2007 USGS Aquifer Study – President Emeritus (PE), Dan Kegley, guided the discussion using a presentation prepared by President Scheidt, who was unable to attend today’s meeting. The meeting was recorded on Zoom and can be viewed on YouTube at <https://youtu.be/FQuivNXbLI8>. The visual recording is partially covered at times due to the chat and participant images, but the discussion is audible.

PE Kegley recapped key points of the November IWAC discussion and outlined potential areas of interest for an updated bi-state aquifer model to:

- define the political boundaries of the SVRPA.
- evaluate the SVRPA base depth via a multi-layer model approach.

- re-evaluate Aquifer contributions from Lake Pend Oreille, Hayden Lake, and Hauser Lake.
- determine water use compared to land use changes i.e. agricultural land use converted to residential.
- update pumping rates (2007 USGS study curtailed pumping rates to account for pumped water returning to the ground water table through irrigation practices).

Next Steps – What is IWAC’s purpose in updating the 2007 model?

How could an updated Bistate Aquifer Model serve as a 20-30-50-year Planning Tool to:

- evaluate climate change and drought tolerance? (50-year planning horizon) Which climate studies should be used? [Oregon State University Climate Toolbox](#).
- evaluate population growth and demand with forecasted purveyor pumping demand and capacity? (20-year planning horizon)
- model the impact on Spokane River levels by future increased withdrawal from the SVRPA?
- reduce the risk of future interstate water conflicts and/or interstate compacts?

How could an updated Bistate Aquifer Model serve as an SVRPA Protection Tool with:

- bistate particle tracking capabilities?
- updated aquifer boundaries that are more protective of activities over the aquifer. This aligns with the Aquifer Protection District’s focus on using LIDAR to map SARAs (Sensitive Aquifer Recharge Areas). An updated model, approved by Idaho and Washington water purveyors, might support discussions with elected officials and lead to acceptance of aquifer protective ordinances.
- updated source water assessment delineations and wellhead protection areas.

Members held a wide ranging and in-depth discussion of the content and processes for developing the IWAC purpose(s) and scope of an updated model. Members were cautioned that one model cannot serve all functions and high priority areas of focus need to be determined. Members felt it was important to have a statement of purpose before seeking funding for the updated model. The 2007 USGS purpose statement was reviewed and will be used to inform IWAC’s purpose statement. It was suggested that IWAC might inquire into recommendations for updating the study from USGS.

An overriding purpose for the updated model is to provide clean, safe drinking water and protect the SVRP Aquifer.

A subcommittee of Suzanne Scheidt, Dan Kegley, BiJay Adams and Alyssa Gersdorf will draft an initial statement of purpose for updating the Bistate model. The purpose statement will be sent out to IWAC members for review and comment prior to the IWAC meeting on January 9, 2024.

Consensus Building – Identifying Partners

IDWR Water Resource Planner, Senior – Neeley Miller

IDEQ Source Water Protection Grant – Curtis Cooper

Dale Ralston

Idaho Geological Survey – Alexis Clark

Coeur d’Alene Tribe – Dr. Laura Laumatia

Kootenai County Aquifer Protection District – Suzanne Scheidt, BiJay Adams, Alyssa Gersdorf

WSU School of the Environment – Allyson Beall King, Chair

City of Spokane Valley – Henry Allen, Senior Engineer

WA Department of Ecology- Chris Beard

WA Department of health Office of Drinking Water - Nicki Guillot, SWP Grant Manager

Discussion – Planning Aquifer Protection and Conservation Outreach Campaign for 2024. This item was tabled to IWAC’s Meeting on January 9, 2024, to be included in the 2024 budget discussion.

New Business

Discussion on planning the first field trip to visit purveyor infrastructure – Members discussed possible field trip options. VP Adams offered to provide a tour of the Liberty Lake Sewer and Water District’s facilities for the IWAC meeting on January 9, 2024. The field trip location for January 2024 was approved by consensus.

Planning operator CEU training on SVRPA – Content might include:

- History of events leading to the 2007 USGS Model.
- History of IWAC.
- Benefits of an updated bistate model as a planning tool.
- Benefits of an updated bistate model as a SVRPA protection tool.
- IWAC’s purpose statement.
- Offer 0.3 WA/ID CEUs: The training could be offered at the IESS/AWWA Service Truck Rodeo on 2/28/24 at Center Place Event Center. Dan Kegley will put together a CEU application. This training could be developed into a “Road Show “ similar to the presentations that Terry Pickel and BiJay Adams made to City Councils in CDA and Liberty Lake regarding the Irrigation and Landscape Design Standards.
- Speakers: Bob Haynes, Stan Miller, John Porcello,
- Audiences: water operators, elected officials, managers, engineers, real estate brokers, ...

Updates Around the Table

Adjourn - There being no further business this 14th day of December 2023, the meeting was adjourned at 2:58 pm.

IWAC President, Suzanne Scheidt

IWAC VP, BiJay Adams

Handouts sent via e-mail: IWAC Agenda, IWAC November Meeting Minutes, 2023 Budget with 12.12.23 actuals. Previous IWAC meeting agendas, minutes, supporting documents and presentations can be found at <http://www.iwac.us/category/meetings/>.