



IDAHO WASHINGTON AQUIFER COLLABORATIVE

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 Mike Galante - President
 Ty Wick - Vice President
 Bryan St. Clair - Secretary
 Alan Miller - Treasurer

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 region.

January 13, 2014, 1:30 – 4:00 PM, Liberty Lake Sewer and Water District
 Representatives Present

	Organization	Representative	Email Address
√	Avista	Michele Drake Linda Kiefer	Michele.drake@avistacorp.com Linda.Kiefer@avistacorp.com
	Avondale Irrigation District	Bob Chandler	bobchandlercda@gmail.com
	Bar Circle S Water Company	Rob Turnipseed	avondalecon@frontier.com
√	City of Coeur d’Alene	Jim Markley	jimm@cdaid.org
√	City of Post Falls	John Beacham Matthew Isch	jbeacham@postfallsidaho.org misch@postfallsidaho.org
	City of Spokane RPWRF	Mike Coster	mcoster@spokanecity.org
√	City of Spokane Water Department	Dan Kegley Bill Rickard	dkegley@spokanecity.org brickard@spokanecity.org
	Coeur d’Alene Tribe of Indians	Laura Laumatia	llaumatia@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 Shirley Carter	ken@harsb.org
√	Hayden Lake Irrigation District	Alan Miller	alan@haydenirrigation.com
	Liberty Lake Sewer and Water District	BiJay Adams Jeremy Jenkins	bijay@libertylake.org jjenkins@libertylake.org
	Moab Irrigation District	Kathleen Small	kathleensmall@comcast.net
√	Model Irrigation District	Jim Lahde	jimlahde@netzero.net
√	Modern Electric Water Company	Bryan St Clair	bstclair@mewco.com
√	North Kootenai Water & Sewer District	Mike Galante	mikeg@nkwsd.com
√	SAJB Program Leader	Tonilee Hanson	sajbinfo@gmail.com

	Spokane Co. Water Resources	Rob Lindsay	rlindsay@spokanecounty.org
√	Spokane County Water District No. 3	Ty Wick	scwd3@comcast.net
	Spokane Tribe of Indians	Brian Crossley	crossley@spokanetribe.com
	Vera Water and Power	Todd Henry	thentry@verawaterandpower.com
	Guest Speakers		
√	City Idaho Water Engineering	Bob Haynes	bob@idahowaterengineering.com
√	GSI Water Solutions	John Porcello	JPorcello@gsiws.com
√	Ralston Hydrologic Services	Dale Ralston	ralston@moscow.com
√	Ralston Hydrologic Services	Gary Johnson	
	Guests		
√	City of Spokane, Environmental Prog.	Doug Greenlund	dgreenlund@spokanecity.org
√	City of Spokane Valley	Aaron Clary	aclary@spokanevalley.org
√	City of Spokane Valley	Art Jenkins	ajenkins@spokanevalley.org
√	City of Spokane Valley	Henry Allen	hallen@spokanevalley.org
√	IDWR	Giovanni Del Papa	Gio.delpapa@idwr.idaho.gov
√	IDWR	Keith Franklin	Keith.franklin@idwr.idaho.gov
√	K & L Gates	Brian Werst	Brian.Werst@klgates.com
√	University of Idaho – Water Education	Jim Ekins	jekins@uidaho.edu
√	WA Department of Ecology	Guy Gregory	ggre461@ecy.wa.gov
√	WA Department of Ecology	John Covert	Jcou461@ecy.wa.gov
√	WA DOH Drinking Water	Craig Riley	Craig.Riley@doh.wa.gov
√	Washington State University	Melanie Thornton	melanie.thornton@email.wsu.edu
√	Welch Comer Engineers	Ashley Williams	awilliams@welchcomer.com

AGENDA

Welcome and Introductions - President Mike Galante opened the meeting and welcomed everyone.

Agenda Additions – President Galante called for additions or revisions to the Agenda and no changes were requested.

Approval of Meeting Minutes – President Galante called for additions or revisions to the Minutes for December 9, 2014. Hearing none the minutes were approved as submitted.

Financial Report – Treasurer Alan Miller submitted financial reports for December 2014.

\$ 0.00 No new membership income was received

\$ 0.33 December Interest Income

2014 Income

\$5500.00 from seven water purveyors: Coeur d’Alene city, Modern Electric, Spokane city, Post Falls city, Model Irrigation District #18, Millwood city, and Hayden Lake Irrigation.

\$ 4.36 Interest Income YTD

\$ 5504.36 Total Income YTD

2014 Expenses

\$ 2841.76 Bob Haynes facilitation Jan. Feb, Mar, Apr, June, Aug, Sept, Oct 2014

\$ 1500.00 IWAC Administration by SAJB Jan – Dec 2014

\$ 100.00 logo contest gift card
\$ 4441.76 Total 2014 Expenses YTD

Current Account Balance

\$7349.51

Old Business

IWAC Goals –The Executive Board met on January 6, 2015, and discussed 2015 meeting structures, speakers and topics. The plan will be to hold a member workshop meeting every other month, and to form sub-committees to go in-depth on specific topics. On alternate months a speaker will be scheduled. Future meeting topics were identified and will be discussed in a member workshop at the February 10, 2015 IWAC meeting.

New Business

Request for IWAC Letter of Support – Jim Ekins, Area Water Educator, UI Extension, Northern District, is writing a Grant Proposal for **Stormwater/Clean River Interpretive Trail**. The idea is to add educational value and some native riparian plants to some existing and upcoming Coeur d’Alene City parks projects, and to connect with other similar initiatives in and around Spokane, including Gonzaga University via the Centennial Trail. The IWAC representative present agreed by consensus to provide a letter of support for the grant proposal. Following the meeting Jim Ekins sent a letter template to President Galante, who complete the letter and mailed it on IWAC letterhead.

Guest Speakers – Dale Ralston, Gary Johnson and John Porcello - Hydrogeology: Ground Water Pumping and River Flows. Dale, Gary and John presented a condensed version of the information they shared at the Spokane River Forum Conference on November 19, 2014. Dale Ralston requested that the information remain off the website until the research is published. He approved distribution of his presentations to IWAC representatives. If you did not receive PDFs of the presentations please contact Tonilee Hanson, sajbinfo@gmail.com. A new version of the spread sheet will be provide on line, within a month or so. Earlier versions of the spread sheet model can be found at http://www.idwr.idaho.gov/WaterBoard/WaterPlanning/CAMP/RP_CAMP/2010docs.htm.

The presentations included research results for the bi-state numerical model, the impacts of ground-water pumping on the Spokane River, the hydraulics of the river/aquifer system and related spreadsheet tools. Emphasis was placed by all speakers on using the research and tool to determine short term solutions for short term (three month) issues with low river flows.

Questions, clarifications and discussion points included but were not limited to the following:

- 1995-2005 pumping data was used for baseline background conditions in the spread sheet.
- Could the excel spreadsheet model be used to illustrate what would happen if reductions were made to water loss in the losing reaches of the river, (i.e., reducing water loss by sealing the bottom of the river)?

- If the river flow loss between CDA and Greenacres is decreased it could reduce the loss in the river but may also decrease the ground water supply.
- Reducing water use, for maintain green lawns, may be the solution to the short term issue of river flows.
- Radical pumping reduction, to winter pumping levels, will not be socially acceptable in the summer when green lawns are highly valued by this region. IWAC needs to expand its thinking to use the models and determine ways to gain water in the river.
- Multiple solution scenarios will be needed. Some of the locations on the river can't be changed with groundwater pumping solutions.
- Are we willing to consider impoundment from early river flow into Saltese Flats?
- To maintain the river we want may require engineered solutions coupled together with targeted releases from Coeur d'Alene Lake.
- Engineered solutions that use surface water to recharge the river and aquifer may impact the health of the river due to temperature.
- Should the Department of Ecology's proposed plan, for pumping water from the Pend Oreille area to augment the aquifer, be actively considered?
- What will happen when the population of the region increases in the next 20-30 years? How will population increase affect river flows?
- Is there a predictable relationship on river flow (e.g., use a well that has the least river flow impact or pump water from Coeur d'Alene Lake when and where it is needed)?
- How can river flows be augmented for the region given the political boundaries?

Updates Around the Table

Agenda for February, 2015

Handouts: Agenda, 12/9/14 meeting minutes, Treasurer's reports for December 2014, Membership Invitation Letter ***"Who we are, why we are here and why your participation in IWAC is important."***

Previous IWAC meeting agendas, minutes, supporting documents and presentations can be found at <http://www.spokaneaquifer.org/category/iwac/iwac-agendas-minutes/> and <http://www.spokaneaquifer.org/idaho-washington-aquifer-collaborative/initiatives/>