



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.

October 14, 2014, 1:30 – 3:30 PM, Liberty Lake Sewer and Water District
 Representatives Present

	Organization	Representative	Email Address
	Avista	Linda Kiefer	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	jbeacham@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@cdatribе-nsn.gov
√	Consolidated Irrigation District No. 19	Bob Ashcraft	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
√	WSU - WISDM	Melanie Thornton	melanie.thornton@email.wsu.edu
	Guests		
√	City of Spokane Valley	Henry Allen	hallen@spokanevalley.org
√	University of Idaho – Water Education	Jim Ekins	jekins@uidaho.edu
	Idaho DEQ	Gary Stevens	
	University of Idaho, CDA	Marie Pengilly	mpengilly@uidaho.edu
√	WSU	Allyson Beall-King	abeall@wsu.edu

AGENDA

Welcome and Introductions - President Mike Galante opened the meeting and welcomed everyone. Representatives of IWAC and guests introduced themselves.

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

Approval of Meeting Minutes – The Minutes for September 9, 2014, were approved as submitted.

Financial Report – There was no new financial activity to report for October 2014.

Old Business

Liberty Lake Lakemore Project - BiJay Adams, Liberty Lake Sewer & Water District (LLSWD) updated IWAC on the status of the Lakemore project. Legal counsel for the Lakemore developer petitioned the Department of Ecology for resolution of the dispute over LLSWD assuming lead agency. The Department of Ecology responded *“Ecology agrees with the Liberty Lake Sewer and Water District (“District”) response to the Lead Agency Petition submitted by Whitewater Inc. et al. The process set out in WAC 197-11-924 only allows for agencies with jurisdiction to petition Ecology to resolve a lead agency dispute. In this case Whitewater is not an agency nor is there a dispute that can be resolved via petition for the current stage of the Lakemore SEPA process.”*

LLSWD hired a firm to conduct the EIS and open comment period for the EIS scope was until the end of October. On October 28, 2014 Lakemore developers informed LLSWD that they were withdrawing the application for the proposed project and desired to discontinue the SEPA process. See the November 1st article that appeared in the Spokesman Review <http://www.spokaneaquifer.org/firm-nixes-plans-for-heat-exchange-wells/>

Our Gem Coeur d’Alene Lake Symposium November 18, 2014 and the **Spokane River Forum Conference** November 19 – 20, 2014, CDA Resort – Agendas and registration information were made available.

New Business

WSU – WISDM – Professor Allyson Beall King and Doctoral Student Melanie Thornton.

Allyson and Melanie are part of an interdisciplinary project called WISDM, Watershed Integrated System Dynamics Modeling, which seeks to address water resource sustainability in the Pacific Northwest. The focus of Melanie's research is on the Spokane River Basin where she is working with stakeholders to understand decision-making and trying to create broad thinking scenarios by using collaborative modeling. Collaborative modeling is a tool that allows stakeholders and scientists to jointly explore reciprocal impacts of climate change and alternative management strategies on society and hydrologic processes.

Allyson provided an overview of the WISDM project which is in the third year of a four year implementation grant. One goal of the WISDM research grant has been to provide "value added research" that has real world application in addition to academic value. Allyson introduced possible modeling scenarios to determine which are of most interest to water purveyors.

- Climate change with decreased precipitation
- Population growth and water demand
- Land use changes in the percentage of pervious and impervious surfaces
- What if the snow pack freshet is later? Or earlier?

Melanie provided a general overview of her research project, information on the OASIS model she is using for collaborative modeling sessions, and the first round of model outputs. Melanie is currently in the model calibration and scenario development phase. The OASIS software has been used as a mediation tool for a variety of water planning and operations models. Melanie's power point presentation is available at <http://www.spokaneaquifer.org/wisdm-collaborative-modeling-101414/>.

Discussion about scenarios to model and recommendations for information included the following:

- Should we include water rights adjudication in the scenario?
- Mark Solomon is a source for water usage data in Idaho provided by Mike Galante.
- Everyone should be using the same data.
- Is the model accounting for private agricultural and farm wells?
- How is farmland being converted? Interview the big farmers.
- Idaho is shifting from agricultural to residential land use. How does this change water consumption?
- Access to waste water processing will drive land use.
- Water will be used differently. Population doubling will not double the demand on water.
- A basin wide model for water management requires a different scale than for wellhead protection.
- Transmissivity varies across the aquifer. The lithology is considerably different between purveyors.

- Pat Mulroy, Southern Nevada Water Authority, challenged us at the H2O Breakfast to “Imagine the unimaginable.” How will we change from agricultural to municipal use? What if there is a new business in ID or WA that is water intensive? Let’s not limit our scenarios to looking backward but project our thinking to possible changes for future problems.
- Perceived value of water by residential users appears to vary in areas of scarcity vs. plenty. Can a modeling scenario capture this difference, or can the issue be more adequately addressed through educational outreach opportunities?

November 11, 2014 Agenda – The November meeting was cancelled due to the Veteran’s Day Holiday.

Handouts: Agenda, 9/9/14 meeting minutes, Our Gem Symposium & SRF Conference fliers

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/>