



IDAHO WASHINGTON AQUIFER COLLABORATIVE

iwac.us

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Dan Kegley - President
Terry Pickel - Vice President
Rob Lindsay - Secretary
Ron Wilson - Treasurer
Mike Galante – Past President

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.

April 10, 2018 1:30 – 3:30 PM, Liberty Lake Sewer and Water District

Representatives Present

	Organization	Representative	Email Address
	Avista	Chris Moan	chris.moan@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	Terry Pickel	tpickel@cdaid.org
	City of Post Falls	John Beacham Monica Ott	jbeacham@postfallsidaho.org mott@postfallsidaho.org
	City of Spokane Water Department	Dan Kegley	dkegley@spokanecity.org
	Coeur d’Alene Tribe of Indians	Laura Laumatia	llaumatia@cdatriben-nns.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	Branden Rose	branden@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	Rick Neal	rick@modirr.org
	Modern Electric Water Company	Bryan St Clair	bstclair@mewco.com
√	North Kootenai Water & Sewer District	Mike Galante	mikeg@nkwsd.com
√		Chris deGroot	
√	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	scwd3engr@comcast.net
	Spokane Tribe of Indians	Brian Crossley	crossley@spokanetribe.com
√	Vera Water and Power	Todd Henry	thenry@verawaterandpower.com
√	Whitworth Water District	Tim Murrell	tim@whitworthwater.com

AGENDA

Welcome and Introductions – Vice President Terry Pickel called the meeting to order at 1:30 pm and everyone introduced themselves.

Agenda Additions or Revisions – No changes were requested.

Approval of Meeting Minutes – Vice President Pickel called for additions or corrections to the minutes for March 13, 2018. No changes were requested. BiJay Adams moved to approve the March meeting minutes and Mike Galante seconded the motion. The motion passed unanimously.

Financial Report – The Treasurer’s Report, submitted by Ron Wilson, was presented by Vice President (VP) Pickel. New invoices included \$957.50 for Anderson Brothers CPA’s, PA and \$285.00 for Anne Francis Web Design. Rick Neal made a motion to pay the invoices and BiJay Adams seconded the motion. VP Pickel called for a vote and the motion passed unanimously.

IWAC received annual dues and special contributions of \$4,000.00. The Mountain West checking balance as of 4/10/18 was \$42,746.47. Mike Galante moved to approve the April Treasurer’s report. BiJay Adams seconded the motion. VP Pickel called for a vote and the Treasurer’s report was approved as submitted.

Old Business

Irrigation Design Standards Update - BiJay Adams prepared a draft scope of work and RFP for a consultant to refine the draft irrigation design standards. Tim Murrell, Whitworth Water District, offered to send a sample scope from South Metro WSA in Colorado. The members present reviewed and revised the draft RFP. The RFP will be sent to IWAC members for further review.

Spokane River Forum – H2O Breakfast May 9, 2018 at Historic Davenport Hotel, Spokane, WA. Speaker Sandra Postel author of *Replenish*. The Spokane River Forum will acknowledge Mike Galante, NKSWD, and Guy Gregory, Ecology, for their exemplary contribution to regional water stewardship. Mike and Guy are both retiring in April. IWAC appreciates their contributions and extends a special thanks to Mike as the founding President of the Idaho Washington Aquifer Collaborative.

Drippy the Water Drop – Update – Tonilee Hanson reported for Toni Taylor. Tonilee showed a power point that combined the Drippy artwork and the text for each card. Discussion followed. Listed below are the issues to be resolved:

- A graphic artist is needed to take the rough draft artwork and prepare high quality, print ready pdfs for publishing.
- All final cards need to be 4"x 6". The original artwork is irregular in size. IWAC received professionally scanned PDFs and if needed the artist will send the original cards for re-scanning.
- A copyright was placed on the artwork that needs to be removed. The artist will be given credits on the back of the cards.
- Text needs to be added to the bottom of the cards on both the black and white “coloring” set and the full color set.
- The back of the cards need to be revised. Drippy should appear as a drop not in the evaporating form.

The members present felt it was too much to ask Toni Taylor to do the graphic design given her existing responsibilities. They recommended that IWAC contact Jim Ekins at University of Idaho and see if Drippy might be a project for the graphic design students. A request for bid will also be sent to Eric Miller, graphic artist and SCC student. The members expressed an interest in seeing the Drippy project completed and ready for distribution to teachers by the beginning of the 2018-19 school year.

Mike Galante moved that IWAC pay the artist, Kayla Wakulich, the final payment of \$1,000.00 for the artwork. Shane Sheppard seconded the motion. VP Pickel called for the vote and the motion passed unanimously.

New Business

Website – Mobile Friendly Upgrade – Tonilee Hanson explained that the IWAC website is not mobile friendly. It can be viewed on a phone but is difficult to navigate because it does not adjust to varying screen sizes of mobile devices. IWAC received a bid of \$600.00 to make the necessary website adjustments. Discussion followed. The trend for mobile access to websites is increasing so, for IWAC to reach various audiences, a mobile friendly platform is desirable. Members present were in favor of making the IWAC website mobile friendly, but they decided to table the item until May 8th when more members could be part of the decision.

Water Conservation Video – Below is a first draft of ideas for the Irrigation – Water Conservation video. Refining the script will continue at the May meeting.

4/10/18 - **DRAFT 1 SCRIPT OUTLINE: IWAC IRRIGATION DESIGN STANDARDS VIDEO**

VIDEO – SHOTS AND GRAPHICS	Time	AUDIO – <i>conceptual outline only</i>
Image of irrigation sprinkler on center pivot and in lawn. Sound of a Rain-bird (pivot sprinkler)		Irrigation, we all like lush green lawns and beautiful flower gardens,
Present data graph of municipalities pumping and the seasonal increase. Months on x axis. Millions of gallons on y axis		... but how much of the water we use on our lawns and gardens is really needed?
Cut away graphic showing a plant and the root zone. Irrigation past the root zone.		Debunk the standard of 1 inch of water per week. Factors that determine the amount of water needed:

Images of different soil types and water transport/retention		<ul style="list-style-type: none"> • Soil quality: sandy, clay or removed top soil
Images showing plants and lawns in different locations/weather conditions		<ul style="list-style-type: none"> • Micro climates, wind and sun exposure all affect water use.
Image comparing shallow and deep root zones		Compare watering every day vs watering less often but for longer periods. Deeper root zone.
Images of changing climate start to end of irrigation season. Sprinklers running in the rain. Sprinklers watering hard scape.		Problem: Irrigation systems set once and no seasonal adjustments.
Images of technology: smart sensors, rain sensors, controllers being adjusted		Solution: Moisture sensors, learn to adjust controllers,
Images from drought areas like CA and AZ. Houses with no lawn.		
Comparison photos of past open farming land and current housing developments in Rathdrum Prairie, Liberty Lake, Spokane Valley.		Rate Increases as more water is used.
Graphs showing rate of new home development		
Images of maintenance, not watering hardscapes, repairing broken sprinkler heads		Water quality: stormwater contaminants, fertilizer. What can you do?
Image of adding amendments and aeration		improve soil quality with aeration and amendments
Image: homeowner or lawn maintenance company setting timer		controllers: setting timers, establishing lawn vs maintenance adjust when plants acclimate
How do we show evaporation?		Do not water in the heat of the day (10:00 am and 6:00 pm)
Broken sprinkler heads in early morning or late at night with no one around.		observe the sprinkling cycle while on to be sure it is watering properly
Image replacing fine mist sprinkler heads with rotator		retrofit sprinkler heads with efficient rotators
Images of area lakes and rivers. Drinking water.		Protect water quality, Keep harmful contaminants like fertilizer and herbicides of our drinking water.

Updates Around the Table – Mike Galante thanked everyone for his time as IWAC President and the opportunity to be part of establishing a regional dialogue. Terry Pickel, on behalf of all IWAC members, thanked Mike for his extraordinary leadership and contribution to IWAC, NKSWD, and APD. IWAC wishes Mike a joyful retirement. Please stay in touch.

Agenda for May 8, 2018 Meeting – Irrigation Design Consultant RFP, Irrigation Design and Water Conservation video script edits and mobile friendly website.

Adjourn

There being no further business this 10th day of April 2018, Vice President Pickel adjourned the meeting at 3:30 pm.

President Dan Kegley

Vice President Terry Pickel

Handouts sent via e-mail: IWAC Agenda, IWAC March Meeting Minutes, Treasurer’s Report, Previous IWAC meeting agendas, minutes, supporting documents and presentations can be found at <http://www.iwac.us/category/meetings/>.