



IDAHO WASHINGTON AQUIFER COLLABORATIVE

IWAC.US

OUR WATER. OUR FUTURE.

PARTNERING IN SHARED STEWARDSHIP OF THE SPOKANE VALLEY RATHDRUM
PRAIRIE AQUIFER AND SPOKANE RIVER WATERSHED



IDAHO WASHINGTON AQUIFER COLLABORATIVE (IWAC)

WHO WE ARE AND WHAT WE DO.

- FORMED IN 2012 WE ARE A 501(C)(3) CORPORATION MADE UP OF IDAHO AND WASHINGTON WATER PURVEYORS.

IWAC PURPOSE

- WORK TOGETHER TO MAINTAIN AND/OR 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. IWAC FACILITATES REGIONAL DIALOGUES AND STUDIES THAT RESULT IN RECOMMENDATIONS FOR POLICY DIRECTIONS AND SHARED STEWARDSHIP OF THE AQUIFER AND THE SPOKANE RIVER, IN A COLLABORATIVE MANNER.

IWAC GOALS

- THE OBJECTIVE OF DEVELOPING MANAGEMENT STRATEGIES IS TO ADDRESS REGIONAL WATER SUPPLY AND DEMAND NEEDS OVER THE NEXT 50 TO 100 YEARS. THE SPECIFIC GOALS OF IWAC ARE ORGANIZED WITHIN THE CATEGORIES OF ORGANIZATION, WATER QUANTITY, CONSERVATION, WATER QUALITY, AND PUBLIC AWARENESS AND EDUCATION.



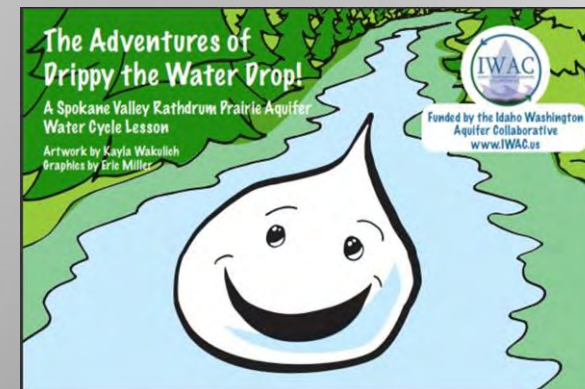
ON THE GROUND INITIATIVES

• PAST INITIATIVES:

- DEVELOPMENT OF NUMEROUS EDUCATIONAL VIDEOS (IWAC.US/CATEGORY/VIDEOS)
- EDUCATION MEDIA CAMPAIGNS WITH KSPS AND SOCIAL MEDIA MARKETING
- WATER CYCLE EDUCATION – DRIPPY THE WATER DROP (FLIPBOOK, ED CARDS, AND COLORING BOOK)
- DEVELOPMENT OF IRRIGATION AND LANDSCAPE DESIGN STANDARDS (IWAC.US/IRRIGATION-AND-LANDSCAPE-GUIDELINES)
- SUPPORT INITIATIVES INCLUDE AQUIFER ATLAS UPDATES, FIND MY WATER PROVIDER WEBSITE, SPOKANE/KOOTENAI WASTE DIRECTORY, AND OUTDOOR WATERING NERDS WEBSITE (OUTDOORWATERINGNERDS.ORG)

• NEW INITIATIVES:

- UPDATE OF THE 2007 USGS AQUIFER MODEL IN IDAHO
- IWAC ADMINISTRATIVE ASSISTANT POSITION
- CONTINUED COLLABORATION WITH SAJB, SRF, IDEQ, CDA TRIBE, UNIVERSITY OF IDAHO EXTENSION, AND KOOTENAI COUNTY AQUIFER PROTECTION DISTRICT





UPDATE OF THE 2007 USGS AQUIFER MODEL IN IDAHO

- MODEL WILL BE UPDATED USING MODFLOW-USG, A 3D NUMERICAL MODEL TO SIMULATE GROUNDWATER FLOW IN THE SVRPA
 - SAJB INITIATED AN UPDATE TO THE AQUIFER MODEL WEST OF THE STATE BOUNDARY IN WA
 - IWAC IS PROPOSING AN UPDATE TO THE AQUIFER MODEL EAST OF THE STATE BOUNDARY IN ID
 - THE GOAL OF THE PROJECT IS TO HAVE BOTH MODELS FUNCTION INTERCHANGEABLY AS ONE MODEL
- PROPOSED UPDATES INCLUDE:
 - UPDATES TO MODEL LAYERING
 - INCORPORATION OF CLIMATE CHANGE AND FUTURE POPULATION GROWTH
 - EXTENSION OF THE MODEL DOMAIN INTO SPIRIT AND HOODOO VALLEYS
- THE UPDATE DOES NOT:
 - REPLACE THE EXISTING 2007 USGS MODEL PREVIOUSLY APPROVED BY STATE AND FEDERAL ENTITIES
 - UPDATE SVRPA BOUNDARIES
 - EVALUATE CONTAMINANT FATE AND TRANSPORT SCENARIOS
- CURRENT STATUS:
 - PHASE 1 IS PARTIALLY FUNDED BY THE KOOTENAI COUNTY AQUIFER PROTECTION DISTRICT
 - AN RFP IS DRAFTED
 - IWAC IS PLANNING A BI-STATE EDUCATIONAL OPPORTUNITY FOR WATER PURVEYORS AND POLITICAL STAKEHOLDERS