

Moscow City Council



Regular Meeting ~Minutes~

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Laurie M. Hopkins
City Clerk

208.883.7015

Tuesday, September 6, 2022

7:00 PM

**Council Chambers
206 E. Third St.**

The meeting was called to order at 7:00 p.m.

PRESENT: Mayor Art Bettge, Sandra Kelly, Maureen Laflin, Hailey Lewis, Julia Parker, Gina Taruscio, Anne Zabala

STAFF: Bill Belknap, Mia Bautista, Cody Riddle, Amanda Argona, Mike Ray, Tyler Palmer, Laurie M. Hopkins

PLEDGE OF ALLEGIANCE

Council Member Zabala led the Pledge of Allegiance.

CONSENT AGENDA

1. All Consent Items (ACTION ITEM)

A. Approval of Moscow City Council August 15, 2022 Minutes - Laurie M. Hopkins

B. Lot Line Adjustment: 815 and 819 Courtney Street - Aimee Hennrich

The applicant, Rachael Scharnhorst, is requesting a lot line adjustment between two properties located at 815 and 819 Courtney Street. The proposed lot line adjustment would reduce the lot addressed as 819 Courtney Street from 10,018 sf to 10,007 sf and expand the lot addressed 815 Courtney Street from 14,290 sf to 14,301 sf. The applicant is requesting the lot line adjustment in order to accommodate the construction of a fence in the most logical location. Both lots currently have single family dwellings constructed upon them and are located within the Medium Density, Residential Zoning District (R-2). Within the R-2 Zoning District, the minimum lot area is 7,000 sf and the minimum lot width is 20 feet when adjacent to a cul-de-sac. The proposed lot line adjustment meets both of these standards and both dwellings will meet all setback requirements. This was reviewed by the Public Works/Finance Committee on August 22, 2022 and recommended for approval.

ACTION: Approve the lot line adjustment request with no conditions.

C. Lot Division and Lot Line Adjustment: 202 and 208 Henley Street - Aimee Hennrich

The applicant, Rusty Olps, is requesting a lot division and lot line adjustment to create three lots of approximately 5,000 sf, 6,142 sf, and 48,351 sf in size from two existing parcels of 8,224 sf and 51,833 sf in size. The properties are addressed as 202 and 208 Henley Street and 1110 S Main Street. The intention of the lot division is to create separate lots for the two existing duplexes at 202 and 208 Henley Street. The subject properties are located within the Multiple Family (R-4) Zoning District, which requires a minimum lot size of 5,000 square feet and a minimum lot width of 50 feet for two-family dwellings. All proposed lots meet the minimum lot area and width requirements of the R-4 Zone, and both structures will meet all setback requirements. This item was recommended for approval by the Public Works and Finance Committee with the condition that the roof structure currently connected to both duplexes at 202 and 208 Henley Street be removed in order to meet setback requirements.

ACTION: Approve the lot division and lot line adjustment request with the condition that the roof structure currently connected to both duplexes at 202 and 208 Henley Street be removed in order to meet setback requirements.

D. Paradise Pathway Lighting Project Bid Results - Nate Suhr / Cameron Lee

The City requested bid proposals for the illumination portion of the Paradise Pathway Lighting Project from three local contractors on August 8, 2022. The bid for the project includes the installation of approximately eighteen (18) lighted bollards and twenty-nine (29) overhead lighting fixtures along the Paradise Pathway between Main Street and Styner Avenue located in Moscow, Idaho. The Engineer's estimate for the project was \$155,400.00. The City received three bids on August 16, 2022 which ranged from \$168,764.00 to \$410,600.00, with Strom Electric Inc. being the low bidder at \$168,764.00. A bid tabulation is included in the Committee packet. This was reviewed by the Public Works/Finance Committee on August 22, 2022 and recommended for approval.

ACTION: Accept the bid from Strom Electric, Inc., award the contract in the amount not to exceed \$168,764.00, and authorize staff approval of construction change orders in an amount not to exceed 10% of the contract amount.

E. Logos Property Development Agreement - Todd Drage

On June 6, 2016, Logos School filed an application for a Conditional Use Permit (CUP) to construct a school and church on a 30-acre property located at 1515 N. Mountain View Road. The Moscow Board of Adjustment approved the CUP in August of 2016. The CUP detailed that the project would be completed sequentially in the following three phases: 1) public improvements to support the school and church, 2) the school and an assembly space, and 3) a gymnasium and a chapel. On September 9, 2021 the applicant filed to amend the existing CUP in order to modify the phasing of the project. The requested amended phasing entailed constructing the public improvements and a fellowship hall as phase I and II respectively; and, the school, church, and ancillary buildings would be constructed in phase III. The Board of Adjustment approved the amended CUP with the stipulation that, in order for phase I and phase II to be constructed concurrently, a security for the public improvements defined in phase I would need to be in place prior to commencing construction on the phase II fellowship hall. In order to accept said security, a development agreement is necessary to address the construction of the public improvements and the conditions for a security. The agreement included in the packet covers these items. This item was reviewed by the Public Works Finance Committee on August 22, 2022 and recommended for approval.

ACTION: Approve the Development Agreement with Faith Ministries Inc. for the Logos Property development.

F. Edington 1st Addition Development Agreement - Todd Drage

BBC LLC, has submitted to the City a final plat for the development of a property south of Palouse River Drive and the University of Idaho Arboretum. On June 07, 2021, the City Council approved the preliminary plat for this property. The final plat is titled Edington 1st Addition and will be presented for City Council approval on Tuesday, September 6, 2022. If the final plat is approved, a development agreement is necessary to address construction of public improvements, parkland dedication, and as-constructed drawings. The agreement included in the packet covers these items. This item was reviewed by the Public Works Finance Committee on August 22, 2022 and recommended for approval.

ACTION: Approve the Development Agreement with BBC LLC for the Edington 1st Addition.

G. Edington 1st Addition Monumentation Agreement - Todd Drage

BBC LLC, has submitted to the City a final plat for the development of a property south of Palouse River Drive and the University of Idaho Arboretum. On June 07, 2021, the City Council approved the preliminary plat for this property. The final plat is titled Edington 1st Addition and will be presented for City Council approval on Tuesday, September 6, 2022. If Council approves the final plat, the interior property corners will not be set until after the final plat has been filed, the earthwork has been completed, and the utilities have been installed. In such instances, an agreement obligating the establishment of these interior corners is required by Idaho Code. This item was reviewed by the Public Works Finance Committee on August 22, 2022 and recommended for approval.

ACTION: Approve the monumentation agreement with BBC LLC for Edington 1st Addition.

H. Edington 1st Addition Final Plat - Mike Ray

On June 7, 2021, Moscow City Council approved the Edington 1st Addition preliminary plat with one condition. On June 16, 2022, the applicant submitted the final subdivision plat to be reviewed by the Planning and Zoning Commission and City Council. The Planning and Zoning Commission reviewed the final subdivision plat at their meeting on July 27, 2022 and recommended approval to City Council. This item was reviewed by the Public Works Finance Committee on August 22, 2022 and recommended for approval.

ACTION: Approve the Edington 1st Addition Final Plat.

I. Palouse Groundwater Basin Water Alternatives Supply Contract Extension - Tyler Palmer

The City of Moscow is administering a contract with Alta Science and Engineering Inc. on behalf of the Palouse Basin Aquifer Committee (PBAC). The contract is for continued work toward the selection and implementation of an alternate supply water project. At their meeting on July 28, 2022, PBAC approved an extension of the contract to facilitate Alta's support of the project as it enters a public involvement phase. The work will be billed on a time and materials basis not to exceed \$50,000. The City will invoice PBAC for the entire amount, and reimburse any funds not expended. This was reviewed by the Public Works/Finance Committee on August 8, 2022 and recommended for approval.

ACTION: Approve the contract extension with Alta Science and Engineering Inc. as presented.

Taruscio moved and Laflin seconded to approve the consent agenda as presented. Roll Call Vote: Ayes: Unanimous. Nays: None. Abstentions: None. Motion carried.

REGULAR AGENDA

2. Mayors Appointments (ACTION ITEM)

Mayor Bettge presented to the City Council for consideration the appointment of Eli Jones to the Human Rights Commission and Jerry Schutz to the Board of Adjustment Commission. Kelly moved and Parker seconded approval of the appointments. Roll Call Vote: Ayes: Unanimous. Nays: None. Abstentions: None. Motion carried. Jones said he applied because there was a need for students to be on city commissions. Schutz said he has previously spent 10 years on P&Z and time has freed up so can volunteer again.

3. Public Comment and Mayor's Response Period (limit 15 minutes)

None offered.

4. Citizen Commission Report - Moscow Farmers Market - Amanda Argona / Jamie Hill

Argona introduced Jamie Hill, Chair of the Commission. Hill provided the mission and a list of members. Rapid Market Assessments will be completed again this season. During the National Farmers Market

Week, the Commission rolled out new branding for the Market, including merchandise that can be purchased. The Halloween costume contest is scheduled for the last Market.

5. Clearwater Economic Development Association Report - Dodd Snodgrass

The Clearwater Economic Development Association will provide a report on recent projects and economic development activities.

PROPOSED ACTIONS: Accept Report

Belknap introduced Dodd Snodgrass, Executive Director of CEDA. Snodgrass said CEDA is the longest running economic development organization west of the Mississippi at 54 years. It engages in workforce development; youth environmental groups; Dream It. Do It. youth program; business development; community development and broadband. Dodd gave a few details on each.

6. PUBLIC HEARING: Proposed Rezone of a 10-acre Property Located Directly North of the Current Terminus of War Bonnet Drive (ACTION ITEM) - Mike Ray

The applicant, the Estate of Kathleen J. Montgomery, is requesting the rezone of a 10-acre property located directly north of the current terminus of War Bonnet Drive. The parcel is currently zoned Motor Business (MB) which the applicant is proposing to rezone to the Multiple Family Residential (R-4) Zone. The Planning and Zoning Commission conducted a public hearing on August 10, 2022 and recommended approval of the rezone request with one condition.

PROPOSED ACTIONS: Conduct the public hearing and upon consideration of any testimony received, approve the proposed Zoning Ordinance under suspension of the rules requiring three complete and separate readings and that it be read by title and published by summary and adopt the Planning and Zoning Commission Reasoned Statement of Relevant Criteria; or consider the Zoning Ordinance on first reading; or reject the Zoning Ordinance and direct staff to prepare a Reasoned Statement of Relevant Criteria; or take such other action deemed appropriate.

Mayor Bettge opened the public hearing at 7:34 p.m.

Ray introduced the item as written above and described the neighborhood. Utilities are developed through the entire subject property so that they are ready for the next development. The area north of A Street was all zoned R-4 until Gritman Medical Center was approved for a rezone to MB for the development north of Walmart. The land trust provided no comments on the proposal.

Cody Moore, attorney for Estate of Kathleen Montgomery, said the property has been for sale for 3 years as MB and has not sold. He doesn't feel it will have an impact on the conservation easement.

Mayor Bettge asked for public testimony. Hearing none, he closed the hearing at 7:44 p.m.

Taruscio moved to approved the zoning ordinance Laflin seconded. Roll Call Vote: Ayes: Unanimous. Nays: None. Abstentions: None. Motion carried.

Mayor Bettge read Ordinance 2022-12 by title:

AN ORDINANCE OF THE CITY OF MOSCOW, IDAHO, A MUNICIPAL CORPORATION OF THE STATE OF IDAHO; PROVIDING FOR THE ZONING OF A TEN (10) ACRE PROPERTY, DESCRIBED IN SECTION 2, AS MULTIPLE FAMILY RESIDENTIAL (R-4); PROVIDING THAT THE PROVISIONS OF THIS ORDINANCE BE DEEMED SEVERABLE; PROVIDING FOR THIS ORDINANCE TO BE IN FULL FORCE AND EFFECT FROM AND AFTER ITS PASSAGE, APPROVAL AND PUBLICATION ACCORDING TO LAW.

7. PUBLIC HEARING: Anderson 7th Addition Subdivision Request to Eliminate a Condition of Approval (ACTION ITEM) - Mike Ray

Moscow City Council conducted a public hearing on June 21, 2021 to consider the request of Jim Swift for a preliminary subdivision plat for a 5.88-acre area of land located at 2075 Sunnyside Ave and 706 W Palouse River Drive, referred to as Anderson 7th Addition. The Council subsequently approved the preliminary subdivision plat with three conditions. On June 22, 2022, the developer of the subdivision submitted a request to eliminate one of the original conditions of approval that vehicular access to Block 2, Lot 7 shall be limited to Sunnyside Avenue and no vehicular access shall be permitted from Palouse River Drive. The Planning and Zoning Commission conducted a public hearing on July 27, 2022 and recommended modification of the existing condition of approval.

PROPOSED ACTIONS: Conduct the public hearing and upon consideration of any testimony received, modify the existing condition of approval and adopt the Planning and Zoning Commission's written decision; or eliminate the existing condition of approval and direct Staff to prepare a written decision; or retain the existing condition of approval and direct Staff to prepare a written decision; or take such other action deemed appropriate.

Ray introduced the item as written above and gave a brief history of the June 2021 approval including the three conditions. The developer stated that block 2 is planned as commercial use and access from Sunnyside Avenue would cause a disruption if accessed as currently proposed. The grading of the property will result in Lot 7, Block 2 being significantly lower than the lots adjacent to Sunnyside Avenue. Staff initially recommended that all access come from Sunnyside Avenue because it was anticipated that the future use of the property would be residential and introducing a residential driveway approach onto Palouse River Drive which is designated as a minor arterial was a concern. A commercial use that would be developed on the property would need to develop a parking lot that would meet City parking lot standards, which would allow for the proper maneuvering of vehicles

Mayor Bettge opened the hearing at 7:53 p.m. and asked for testimony in favor of the application.

Scott Becker, Hodge and Associates, representing the applicant, said at the neighborhood meeting they received support for the change. One written testimony in opposition was also received. As the property is still zoned R-4, the lot would most likely have an office building constructed.

Dwight Brown (Moscow) stated his concern is extra traffic in the Sunnyside neighborhood should the property only have access onto Sunnyside. He feels there is better access from Palouse River Drive.

Mayor Bettge invited testimony in opposition and general testimony. Hearing none, he closed the hearing at 7:57 p.m.

Parker is concerned about more driveways onto Palouse River Drive. Parker moved to deny the elimination of the condition. The motion died for the lack of a second.

In response to questions, Becker stated the lot has significant grading difference from the northern lots and also a perceived conflict of a commercial driveway between two residences. The preference is to grade the lot so a building would sit below the residences.

Lewis moved to modify the exiting condition of approval and adopt the P&Z written decision with the additional stipulation that if a commercial lot is built, no flag pole access is needed. Kelly seconded. Roll Call Vote: Ayes: Five (5). Nays: One (Parker). Abstentions: None. Motion carried.

8. Palouse Basin Water Alternative Study - Tyler Palmer

In April of 2020, the Palouse Basin Aquifer Committee (PBAC) contracted with Alta Science and Engineering to continue work on identifying feasible water supply projects for the Palouse Basin. The work has been completed and PBAC is presenting to City Council the final report document along with recommendations.

PROPOSED ACTIONS: Accept the report and take action as deemed appropriate.

Palmer presented a history of the aquifer and past proposed solutions. Wells 2 and 3 are part of Wanapum and the other wells pull from the Grand Rhonde. The communities have been very successful on reducing and conservation of water but the aquifer is still dropping. See attached presentation for more history.

Saline Accord, PBAC Executive Director, went through the alternatives the Committee has identified. See presentation for specifics.

The modified alternative 4 takes elements from Alternative 2, 3 & 4. This option is direct use 4-8 months of the year and water could be stored up and used during the winter months. This option also does not transfer water across state lines and is the less expensive option. A growth increase of one percent annually is anticipated. Included in the need projection is a 30% quantity to stabilize the aquifer and then includes the demand projected at 1% growth. There is preliminary flow data for this alternative but it would need to be refined if modified alternative 4 is chosen.

Palmer said they have preliminary flow data on the creeks and channels which determines when flow is coming and would need to be refined within the next steps. Laflin is concerned about the rural communities and their buy-in for conservation. Palmer responded Latah County used some of the ARPA funds to a county conservation program. Because we have dry agriculture, the circumstances are unique as it is seen as an urban program. This makes outreach to the surrounding communities is very important. Positive momentum is a priority and there are options that could pivot the chosen alternative. Modified alternative 4 gives the best opportunity for achievable projects that work through data gaps and the option for altering the path. Climate change was part of the initial analysis and will continue to be included in the refining process.

Kara Hailey, (City of Pullman, chair of PBAC) added this is the best path forward at this point but acknowledge there are uncertainties that may need to be reviewed.

Accord went through the next steps which include types of conservation; refinement of data and fact finding; funding and grants; and community outreach. In answer to council questions, Palmer said this is a multi-year process in order to get through refinement, selection, and then design process which will look at robust issues. Anticipation for the formal process would be 3-5 years. There is some funding if the hiring of a consultant is recommended.

Parker moved, Taruscio seconded to accept the report. The Council members mutually agreed to accept the report.

REPORTS

City Council

Human Rights Commission – Kelly said it is inclusive communities' month.

Historic Preservation Commission – Kelly said the Commission is working on the orchid awards.

Moscow Urban Renewal Agency – Laflin said the Agency discussed Legacy Crossing and voted to give 60 days to submit a plan and another 30 days to be approved by the board.

Parks and Recreation Commission – Zabala said the Commission named the pickleball courts the Damon Burton Pickleball Courts. They also discussed the phases of strategic planning and projects.

Palouse Basin Aquifer Committee – Taruscios said the report covered their discussions.

Sustainable Environment Commission – Parker said the Commission is working on ideas for the \$20,000 budgeted for climate issues.

Council members reported on other meetings and events.

Mayor

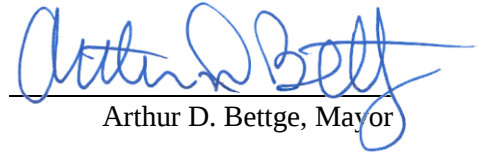
Mayor Bettge said he attended the appreciation picnic; chamber auction; and other events. He met with Senator Crapo regarding interfacing between cities, State and the Federal governments. He attended the airport board meeting where the Board received an additional quote total of \$45 million in which the majority of the cost is the apron, not the terminal building.

Staff

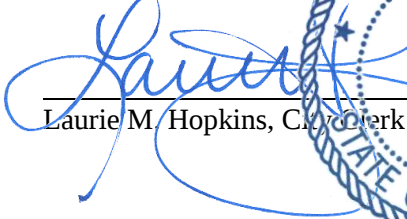
No report.

ADJOURN

It was moved, seconded and mutually agreed upon to adjourn at 9.09 p.m.


Arthur D. Bettge, Mayor

ATTEST:


Laurie M. Hopkins, City Clerk



Business Loans in Moscow

<u>Ln#</u>	<u>Name</u>	<u>Project Type</u>	<u>Date</u>
18	MJ Barleyhoppers	Start-up	10/25/1991
21	Uncommon Ground	Start-up	12/9/1991
24	JER Inc.	Start-up	6/2/1992
32	After Image Visuals	Start-up	9/8/1993
34	Life Force Naturals	Start-up	11/22/1994
48	Pasta Etc	Start-up	1/4/1995
61	Quilt Something	Expansion	1/29/1996
85	Pacific Simulation	Expansion	7/10/1998
87	Moscow Food Cooperative Inc	Expansion	12/15/1998
90	Innovation Tranining Center	Start-up	5/13/1999
120	Shirt Shack	Start-up	2/2/2002
127	Goodson Plumbing LLC	Start-up	10/25/2002
128	Archer Photography LTD Co.	Expansion	2/14/2003
137	Quilt Something	Expansion	6/2/2004
139	Archer Photography	Expansion	7/23/2004
141	Action Auto Center	Expansion	8/26/2004
143	San Miguel's Tacos	Start-up	9/24/2004
153	Sure Shot Sporting Goods CO	Start-up	3/24/2006
174	Panhandle Artisan Bread Company	Start-up	6/23/2008
180	Pintera LLC dba La Casa Lopez	Expansion	11/6/2009
194	Michael & Donna Meehan	Expansion	5/26/2011
197	Viral Science Properties, LLC	Start-up	9/29/2011
199	Quilt Something	Expansion	11/28/2011
211	Western Laundry Unlimited, LLC	Expansion	4/29/2014
1001	JDR Promotions LLC	Start-up	8/31/2001
1004	Shady Stream Films & Photo.	Start-up	11/25/2002
1006	Save Face	Start-up	6/30/2003
1008	San Miguel's Tacos	Expansion	9/24/2004
3003	Hair Stylist - Elva L Escobedo	Start-up	4/20/2011
3005	Los Acuarios, LLC dba Lamadrid Mexican Restaurant	Expansion	8/4/2011
3006	Viral Science, Inc.	Start-up	9/29/2011
3012	Doc's Towing and Recovery, LLC	Expansion	6/21/2012
3013	Moscow Brewing Company, LLC	Start-up	7/20/2012
3025	Moscow Brewing Company, LLC	Retention	5/18/2017
3035	Bull Rushed Books	Expansion	11/27/2019

**BEFORE THE CITY COUNCIL
OF THE CITY OF MOSCOW, COUNTY OF LATAH,
STATE OF IDAHO**

**WRITTEN DECISION OF THE CITY COUNCIL REGARDING A REQUEST TO
ELIMINATE A CONDITION OF APPROVAL OF THE ANDERSON 7TH ADDITION
SUBDIVISION PLAT IN THE CITY OF MOSCOW, IDAHO.**

WHEREAS, the Planning & Zoning Commission conducted a public hearing on May 26, 2021 to consider the request of Jim Swift for a preliminary subdivision plat for a 5.88-acre area of land located at 2075 Sunnyside Ave and 706 W Palouse River Drive, referred to as Anderson 7th Addition; and

WHEREAS, the subdivision includes 18 lots ranging from 9,644 sf to 23,672 sf in size, a stormwater detention pond on the northeast corner of Palouse River Drive and Sunnyside Avenue, and the connection of Sunnyside Avenue; and

WHEREAS, after considering public testimony and the relevant criteria and standards, the Planning and Zoning Commission recommended approval of the preliminary subdivision plat with the following three conditions:

1. Lot 7, Block 2 shall be converted to a flag lot with the flagpole portion providing direct access to Sunnyside Avenue and no vehicular access shall be permitted from Palouse River Drive;
2. Street frontage improvements shall be required on the north side of Palouse River Drive adjacent to the subject property to include installation of curbing, sidewalk and roadway widening to improve Palouse River Drive to thirty-four (34) feet in width; and
3. The pedestrian pathway connecting Cloudy Court with Anderson Frontier Park shall be increased to ten (10) feet in width.

WHEREAS, on June 21, 2021, City Council conducted a public hearing and approved the Anderson 7th Addition Subdivision with the same three conditions recommended by the Planning and Zoning Commission; and

WHEREAS, on January 5, 2022 the applicant submitted the final subdivision plat to be reviewed by the Planning and Zoning Commission and City Council. City Council ultimately approved the final plat on February 22, 2022.; and

WHEREAS, on June 22, 2022, the developer of the subdivision submitted a request to eliminate one of the three conditions of approval of the plat related to the access to Lot 7, Block 2 not being permitted from Palouse River Drive; and

WHEREAS, Lot 7, Block 2 is the triangular-shaped lot that has approximately 418 feet of frontage along Palouse River Drive. The developer has stated that a commercial use is planned for the property, which would cause a disruption if accessed from Sunnyside Avenue as currently proposed. The developer has also indicated that the grading of the property will result in Lot 7, Block 2 being significantly lower than the lots adjacent to Sunnyside Avenue; and

WHEREAS, the portion of the subdivision where Lot 7, Block 2 is located is currently within the Multiple Family Residential (R-4) Zone, which allows a wide range of residential uses as well as limited commercial uses. Professional office uses are limited to 2,000 square feet in size; and

WHEREAS, when staff initially made the recommendation that all access come from Sunnyside Avenue, it was anticipated that the future use of the property would be residential. Staff was concerned with introducing a residential driveway approach onto Palouse River Drive which is designated as a minor arterial.; and

WHEREAS, improvements to Palouse River Drive will be constructed as part of the Anderson 7th Addition Subdivision and also the Edington Subdivision to the west. Upon completion of the improvements to Palouse River Drive, there will be curb, gutter, and sidewalks on both sides of the street and the roadway will contain two vehicular travel lanes and bike lanes. With the higher volumes of traffic that are expected on Palouse River Drive in the future along with the bike lanes, staff was concerned with the safety conflicts of a residential driveway approach where there may be instances when vehicles will choose to reverse back out on to the street; and

WHEREAS, a commercial use that would be developed on the property would need to develop a parking lot that would meet City parking lot standards, which would allow for the proper maneuvering of vehicles; and

WHEREAS, the City Engineering Department has reviewed the potential driveway location and sight distances and does not have a concern with the proposal; and

WHEREAS, this matter came before the Moscow Planning and Zoning Commission during a duly noticed public hearing on July 27, 2022; and

WHEREAS, this matter came before the Moscow City Council during a duly noticed public hearing on September 6, 2022; and

WHEREAS, having reviewed the application, including all exhibits entered, and having considered the issues presented by the applicant and the opponents:

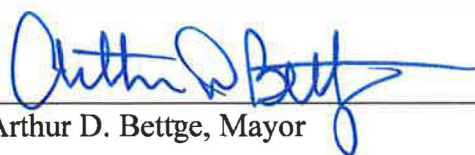
THE CITY COUNCIL OF THE CITY OF MOSCOW, IDAHO, AFTER DUE DELIBERATION AND CONSIDERATION OF THE RECORD ESTABLISHED BY THE ORIGINAL APPROVAL AND HAVING CONSIDERED THE ISSUES PRESENTED BY THE APPLICANT, HEREBY CONCLUDES:

DECISION

The Moscow City Council hereby approves modifying the first condition of approval of the Anderson 7th Addition Subdivision to the following:

1. Vehicular access to Lot 7, Block 2 shall only be permitted from Palouse River Drive for a commercial use upon the property. Should access from Palouse River Drive be utilized, no vehicular access shall be permitted from Sunnyside Avenue.

PASSED BY THE CITY COUNCIL OF THE CITY OF MOSCOW this 6th day of September, 2022.



Arthur D. Bettge, Mayor

**BEFORE THE CITY COUNCIL
OF THE CITY OF MOSCOW, COUNTY OF LATAH,
STATE OF IDAHO**

REASONED STATEMENT OF RELEVANT CRITERIA AND STANDARDS

REASONED STATEMENT OF RELEVANT CRITERIA AND STANDARDS REGARDING A REQUEST FOR THE REZONE OF A TEN (10) ACRE PROPERTY LOCATED DIRECTLY NORTH OF THE CURRENT TERMINUS OF WAR BONNET DRIVE WITHIN THE CITY OF MOSCOW FROM THE MOTOR BUSINESS (MB) ZONE TO THE MULTIPLE FAMILY RESIDENTIAL (R-4) ZONE.

WHEREAS, the applicant filed an application for Rezone on July 19, 2022; and

WHEREAS, this matter came before the Moscow Planning and Zoning Commission during a duly noticed public hearing on August 10, 2022; and

WHEREAS, this matter came before the Moscow City Council during a duly noticed public hearing on September 6, 2022; and

WHEREAS, having reviewed the application, including all exhibits entered, and having considered the issues presented by the applicant and the opponents:

THE CITY COUNCIL OF THE CITY OF MOSCOW, IDAHO, AFTER DUE DELIBERATION AND CONSIDERATION, HEREBY CONCLUDES:

I. RELEVANT FACTS AND CONCLUSIONS

1. The City Council considered the request pursuant to the City of Moscow 2019 Comprehensive Plan, City of Moscow Zoning Ordinance, the Local Land Use Planning Act, and other applicable development regulations.
2. The subject property consists of a 10-acre property located at directly north of the current terminus of War Bonnet Drive.
3. Within the 2019 Moscow Comprehensive Plan, the subject property is currently designated as Auto-Urban Commercial.
4. According to the 2019 Comprehensive Plan, Auto-Urban Commercial designated areas are intended to,

“provide for commercial services and developments that are motor vehicle oriented or those which require large amounts of land. These areas should be located adjacent to existing commercial developments and along major arterials where the vehicle traffic can be accommodated. Developments within these designations should be required to provide significant landscaping which would be applied to enhancing areas along the street edge, screening parking lots, and buffering adjacent uses. Such areas are most appropriately zoned Motor Business (MB).”

5. The surrounding properties to the north, east, and south are also designated as Auto-Urban Commercial (AU-C).
6. The subject property is currently zoned Motor Business (MB) and the applicant is proposing to rezone the property to the Multiple Family Residential (R-4) Zone.
7. According to the City of Moscow Zoning Code, the R-4 Zoning District,

“provides for the most intense residential land uses permitted in the community. It is to be applied where activity levels are high and adequate public facilities are available, especially near the University of Idaho campus or the City Central Business Zoning District. Adequate transportation access should be given high priority in determining the appropriate location for R-4 zoning districts.”
12. Uses permitted within the R-4 Zone include single family dwellings, two family dwellings, twinhomes, townhouses, and multi-family dwellings. Also permitted are professional offices, bed and breakfasts, daycare facilities, and parking lots.
13. There are existing water and sewer mains within the surrounding streets which are of sufficient capacity to accommodate any future use that the R-4 Zone would allow on the subject property.
14. The subject property has property frontage on War Bonnet Drive which is designated as a minor arterial in the Thoroughfare Plan. The Plan shows War Bonnet Drive extending through the subject property in the northeasterly direction. The Engineering Department has indicated that the development of the subject property is not expected to generate enough trips to significantly impact the traffic patterns in the area. The development of this parcel was anticipated when the road system in this vicinity was built.
15. When this property was annexed in 2017 there was a condition of approval on the zoning ordinance that stated that War Bonnet Drive and public utilities shall be extended to the northern boundary of the subject property in accordance with the alignment of the Thoroughfare Plan within the City of Moscow Comprehensive Plan, as development occurs upon the subject property. The Engineering Department is recommending that this condition be carried over on this proposed rezone. To do so, the property owner and the City will need to enter into a recorded development agreement.
16. The applicant conducted a neighborhood meeting with affected property owners within 600 feet of the subject property on June 16, 2022 to discuss the proposed rezone. All neighborhood meeting materials are attached.

BASED ON THE ABOVE RELEVANT FACTS AND CONCLUSIONS, THE CITY COUNCIL OF THE CITY OF MOSCOW HEREBY FINDS THE FOLLOWING RELEVANT CRITERIA AND STANDARDS:

II. RELEVANT CRITERIA AND STANDARDS

1. **The proposed rezone is consistent with Comprehensive Plan goals, objectives, and implementation actions.** The proposed rezone is generally consistent with the existing 2019 Comprehensive Plan. Although the Comprehensive Plan Land Use Designation of Auto-Urban Commercial does not correspond with the Multiple Family Residential (R-4) Zone, the zone is less intensive than the Motor Business (MB) Zone and is generally viewed as permissible.

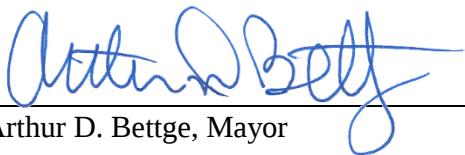
2. **The proposed rezone would provide for the logical and orderly location of land uses and community services and facilities.** The proposed R-4 Zone provides a continuation of the existing R-4 Zone to the southwest of the subject property. The proposed zoning and uses are consistent with the surrounding area and will not unduly burden the neighborhood of public infrastructure.
3. **The uses expected to occur as a result of the rezone will be compatible with the surrounding area.** The proposed zoning is consistent with adjacent zoning districts and will create a logical and orderly zoning configuration for the subject area. The subject property is not conducive to commercial frontage and will provide a logical transition from the more intensive commercial properties to the south.
4. **The size, type, and density of development expected to occur as a result of the rezone will not place an undue burden upon delivery of services provided by any political subdivision within the planning jurisdiction.** The proposed zoning and uses are suitable for the area and will not unduly burden the area of public infrastructure.
5. **The size, type, and density of development expected to occur as a result of the rezone can be adequately served by the existing transportation network, public facilities and services.** The subject property has street access via War Bonnet Drive which is a minor arterial street which can adequately serve any proposed development allowed in the R-4 Zone. City water, sanitary sewer, and storm sewer mains are currently extended to the subject property.

III. DECISION

Based on the above Reasoned Statement of Relevant Criteria, the City Council of the City of Moscow approves the rezone request for the ten (10) acre property from the Motor Business (MB) Zone to the Multiple Family Residential (R-4) Zone with one condition:

1. War Bonnet Drive and public utilities shall be extended to the northern boundary of the subject property in accordance with the alignment of the Thoroughfare Plan within the City of Moscow Comprehensive Plan, as development occurs upon the subject property.

PASSED BY THE CITY COUNCIL OF THE CITY OF MOSCOW this 6th day of September, 2022.



Arthur D. Bettge, Mayor



2022 Palouse Basin Water Summit

October 18, 2022 / SEL Event Center / 4:30 – 8:00P.M.

2022 Keynote Speaker: Robert Glennon



Regents Professor and Morris K. Udall Professor of Law and Public Policy
James E. Rogers College of Law
University of Arizona

Robert Glennon is one of the nation's thought leaders and commentators on water policy and law. The recipient of two National Science Foundation grants, Glennon serves as an advisor to governments, corporations, think tanks, law firms, and NGOs looking to solve serious challenges around water sustainability and planning.

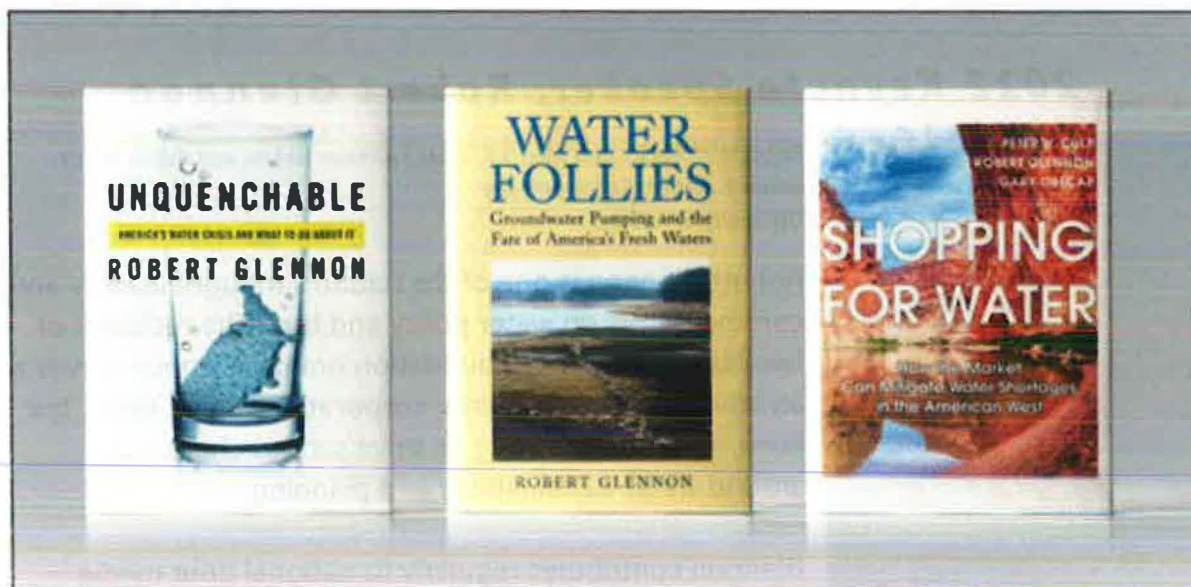
Glennon contributes regularly to national print media including the New York Times, Wall Street Journal, Washington Post and Los Angeles Times. He is a sought-after speaker and analyst, helping reporters and the public understand current water policy and building a sustainable water future. His speaking schedule has taken him to more than 30 states as well as to Europe, Asia, Australia, and the Middle East.

Glennon is a Regents Professor and Morris K. Udall Professor of Law and Public Policy in the Rogers College of Law at the University of Arizona. He received a J.D. from Boston College Law School and an M.A. and Ph.D. in American History from Brandeis University. He is a member of the bars of Arizona and Massachusetts.

Glennon contributes regularly to national print media including the New York Times and the Wall Street Journal. He has been a guest on *The Daily Show with Jon Stewart*, *Talk of the Nation* with Neal Conan, *The Diane Rehm Show*, C-SPAN2's *Book TV*, and numerous National Public Radio shows. He has been a commentator for American Public Media's *Marketplace*, and he was featured in the 2011 feature-length documentary *Last Call at the Oasis*.

Books

Robert Glennon is the author of ***Unquenchable: America's Water Crisis and What To Do About It***; ***Water Follies: Groundwater Pumping and the Fate of America's Fresh Waters***; and ***Shopping for Water: How the Market Can Mitigate Water Shortages in the American West***.



For more information on Robert Glennon:

[Robert Glennon | One of the nation's preeminent experts on water policy and law.](#)

For more information on the Summit:

www.palousebasinwatersummit.org

Working to ensure a long-term, quality
water supply for the Palouse Basin region.

The background of the slide is a light gray topographic map with intricate contour lines. The lines are thin and gray, creating a complex pattern of peaks and valleys across the entire upper portion of the slide.

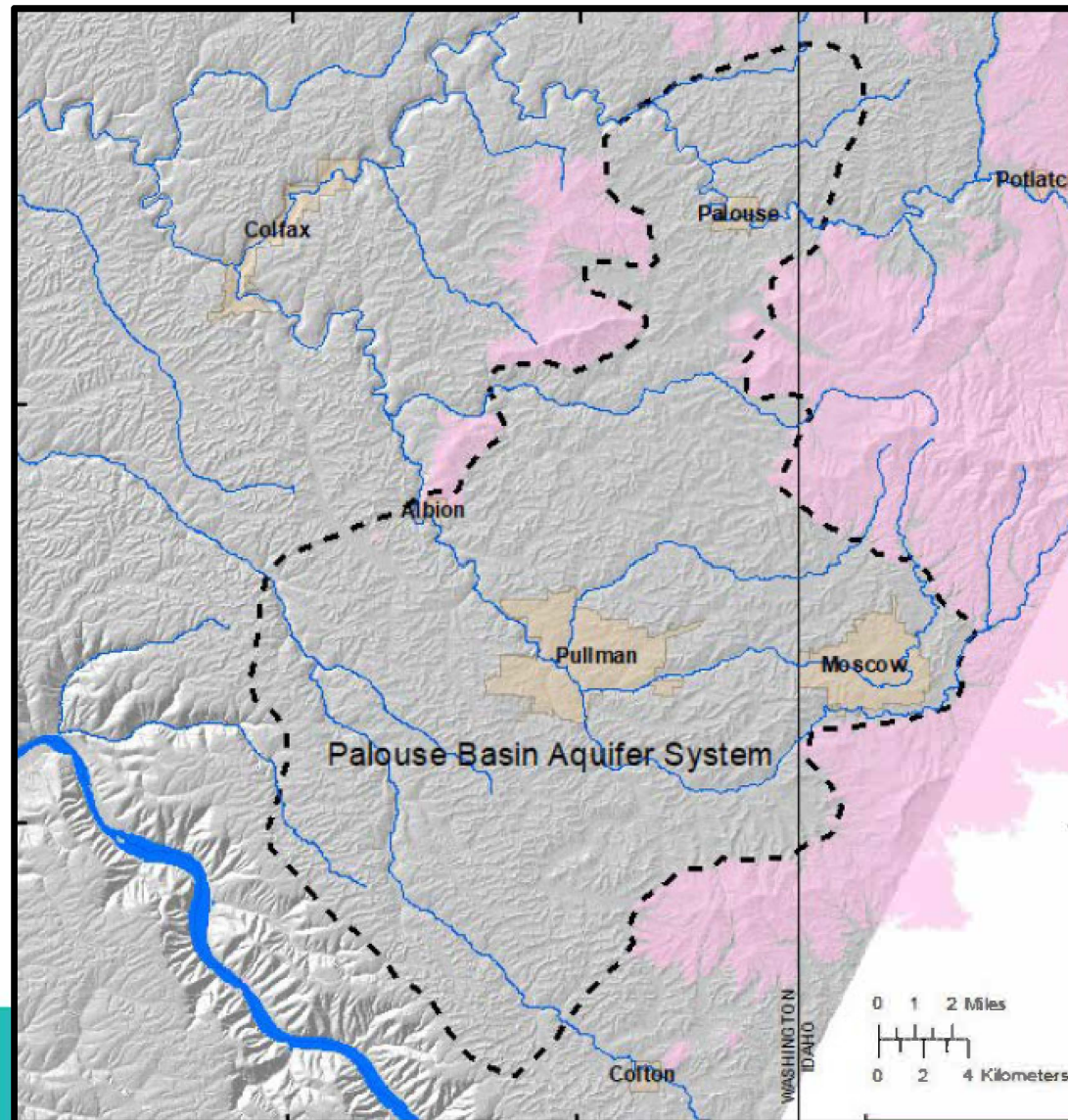
Our Why...

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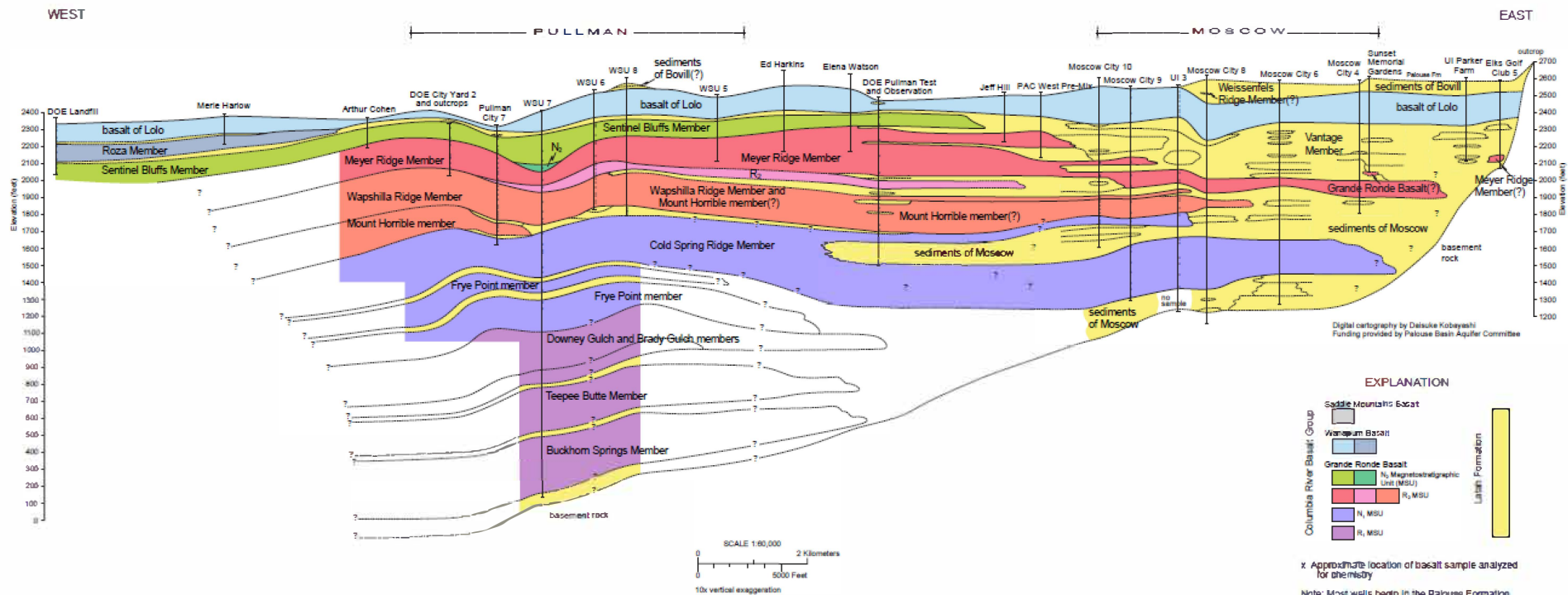
Member Entities



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Generalized Geologic Cross Section Through Pullman and Moscow

(modified from Bush and others, in press)

History



Moscow Well 2

Kenneth and George wanted to figure out how to guarantee a long-term water supply. They coordinated meetings with representatives from WSU, UI, Moscow, and Pullman (including two individuals from each entity: technical and administrative).

1967 Solution

In 1967 they proposed building a dam or series of dams on the Potlatch River east of Bovill, a reservoir, and pumping water into Pullman and Moscow for treatment and distribution. Today we pump about 10 cubic feet per second.

—10—Tues., Dec. 19, 1967

Crowd Is Not Convinced On U of I Water Right Filing

KENDRICK — About 100 less-than-hostile, but not quite convinced, area resident-land-owners, met in the high school cafeteria here Monday night to discuss circumstances surrounding the University of Idaho's recent filing for water rights on the Potlatch River.

Townpeople from Kendrick, Deary, Bovill and Juliaetta recently sent letters of opposition to the granting of the right by the Bureau of Reclamation.

The Monday meeting was called by the Latah Soil & Water Conservation board, who invited George Gagon, U of I physical plant director, Marvin Kimberling, Moscow's administrative assistant and Richard Day, Moscow's city engineer, to explain their views on the matter.

"don't use and protect our water rights in our county...we may find people in Washington (taking) those rights and we may have no rights when the day comes we need them for our own use," Kimberling said.

Lester Clemm, conservation board chairman, said the district is presently "making an effort...to inventory reservoir sites, and future sites," and added a map of such sites should be available in the spring.

Clemm said numerous Idaho counties have problems in the area of water, that "the demand is huge...who has priority?"

Clemm added that the Wildlife Service "is talking of a reservoir in this area...to reactivate steelhead and trout fishing," taken away by recent dam con-

the study?) That will show who benefits."

Gagon said he didn't know who would pay for the study; "that's a problem."

Mel Hamilton of Juliaetta said "It doesn't take an engineer to see what's available" on the river, saying that "a sparrow could walk across it (at certain times) and not get its feet wet."

School Needs

(Continued From Page 1)

Two rooms, 324 and 315, in the high school building are really not satisfactory except for special classes."

He pointed out that of the 25 academic classrooms in use on

This was the first-time people heard about this solution to the water level declines.

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Lesson Learned...

- Gagon said they could be forced into a surface water supply solution
- "I think you shot us down"
- Publisher of the newspaper shocked about the secrecy

Outreach and communication is a must! Having the public on board before pursuing a solution is important.

Gagon said the university's regents are concerned the university's water supply (wells) could run dry in the future and force the institution to go to a surface water supply.

He said the Potlatch River site, east of Bovill, was "first choice" because of the quality of water and the fact that it's a downhill run into Moscow.

Gagon noted the state's reclamation engineer "made a mistake" in publishing the filing for the right only once (on Dec. 15) and, because of that, has extended the protest deadline until Jan. 10, after which there will be a public hearing on the filing, with no specific date yet set for that.

Throughout the evening, Gagon noted on several occasions: "I think you've shot us down, to be frank with you...I wouldn't worry very much (about the right being granted.)"

Gagon also said the university "had no intent" to be secretive about filing for the water right and that it "had no idea it would be treading on anybody's toes" by doing it.

He further noted the protest over the filing "make the chances of getting the water rights...very, very doubtful."

struction.

A Deary woman wanted to know who would conduct the university's feasibility study, stating that the university had a "vested interest" in the matter.

Gagon told her an outside firm would do the study and, answering other parts of her question, noted water use per individual is increasing and the state's reclamation engineer had told him there were a "number of prior rights" on the river "but he didn't say how many."

W. L. McCreary, publisher of the Kendrick newspaper, said "what puzzled me was the apparent secrecy with which this was handled...the published (notice of filing) said nothing of the City of Moscow or Pullman, only the University of Idaho."

Gagon said the university hadn't intended to be secretive and added "if you interpret it (that way), I'm sorry."

Sylvia H. Ross, geologist for the Idaho Bureau of Mines and Geology, said the Pullman, Washington State University had been dropped because "it's illegal to transport water across a state line."

She added that the City of Moscow's being included in the university's filing also raised a question.

ASIN
ER

committee

Late 60's

- **1967: Pullman Moscow Water Resources Committee (PMWRC): Which later became PBAC. They tried to find solutions to the water problem, sponsored research, hired consultants.**
- **1970: Alternative Surface Water Study (Palouse and Snake River)**

Early 70's

Power demands projected to quadruple over the 50 years in the Pacific Northwest.

Middle 70's

1976- Pumped Storage Proposal

- **The Corps of Engineers finished the lower granite dam**
- **More electricity was needed**
- **Explored more places to do pumped storage**
 - Off peak hours they would pump the water to the reservoir
 - Generate power during peak hours by releasing water
- **Idea: Pump out of Snake River in the Lower Granite Dam pool and store it in a reservoir on Union Flat Creek (tributary of Palouse River)**
 - Thought that they could pump extra water from the snake river to supply Pullman and Moscow

Middle 70's

1976- Pumped Storage Proposal

- **The PMWRC supported the plan**
 - The Corps of Engineers made a proposal to go forward with a feasibility study. They came to town and presented the study
 - Farmers were not pleased and opposed the plan
 - Should have done outreach earlier in the process
- **1976: PMWRC becomes inactive, with recommendations**
 - Use Moscow sewage effluent to irrigate UI, which has been done
 - Request USGS conduct model study (see Barker 1979) to determine how long the water will last

1987, IDWR concerns over water mining

Late 80s PMWRC is reborn

- 1987: PMWRC Reactivated
- 1988: Membership extended to Latah and Whitman Counties
- 1989: Resolution of Understanding (PMWRC, IDWR, WDE)

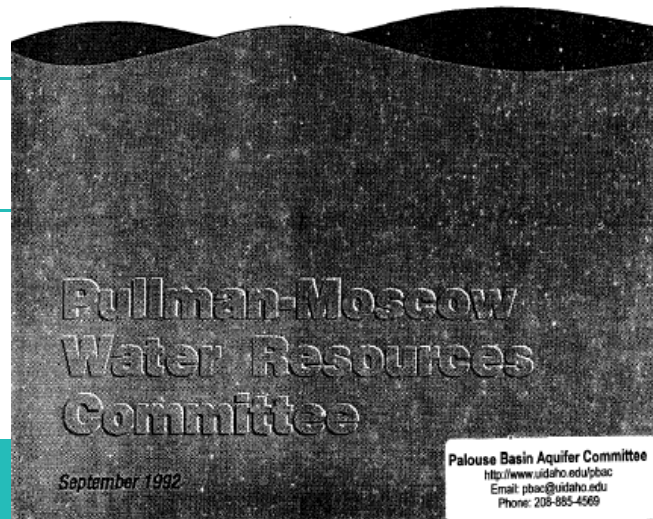
1989: Resolution of Understanding

Specific obligations of the Committee are as follows:

1. PMWRC will pursue and administer funding to conduct and promote studies and research relative to improving knowledge of the water resources of the basin.
2. PMWRC will prepare a management plan for the basin in cooperation with the two state agency parties (IDWR and WDE), which will address both water quantity and water quality concerns.
3. PMWRC will prepare as an initial step in the development of the management plan a principal work plan and time schedule which will outline the concerns and issues to be studied. This work plan shall indicate the party or parties with responsibilities for each task and an estimated schedule for completion of each task.
4. PMWRC will encourage public involvement in the development of the water management plan through public hearings and education programs.
5. PMWRC will facilitate the implementation of the ground water management plan in concert with the member entities of the Committee.

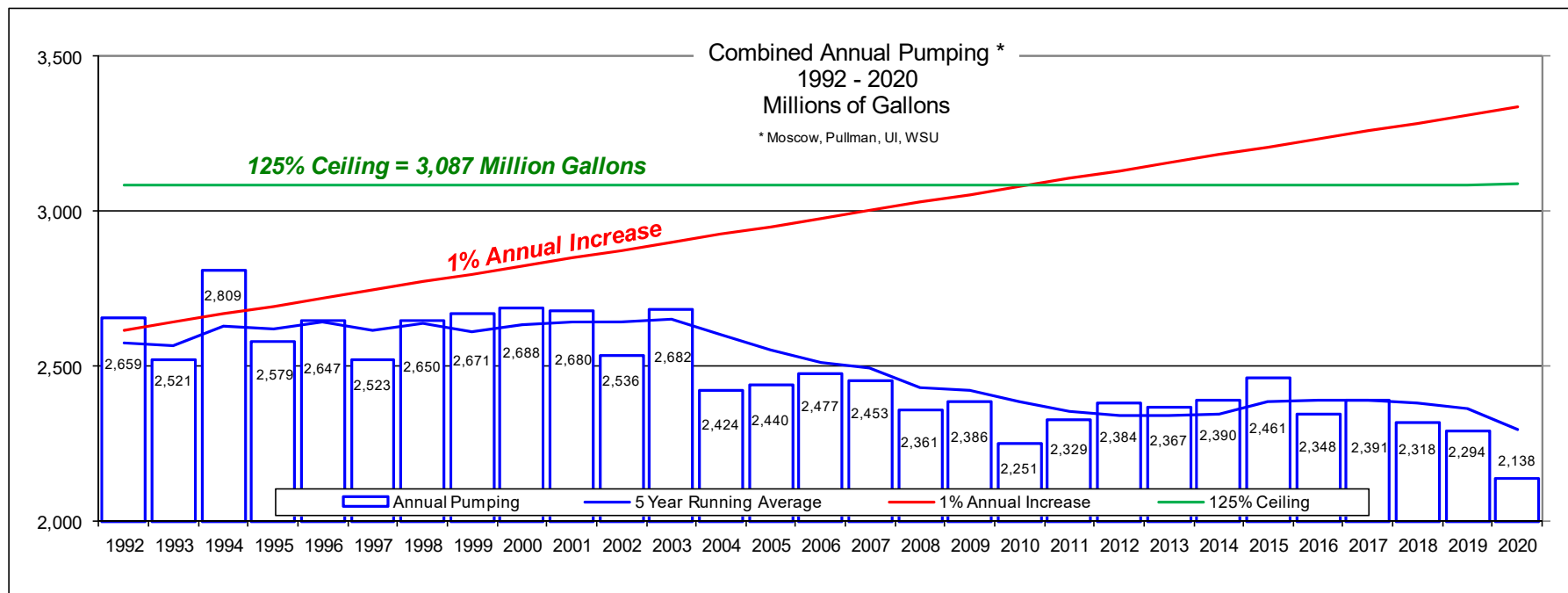
1992: Ground Water Management Plan

Ground Water Management Plan

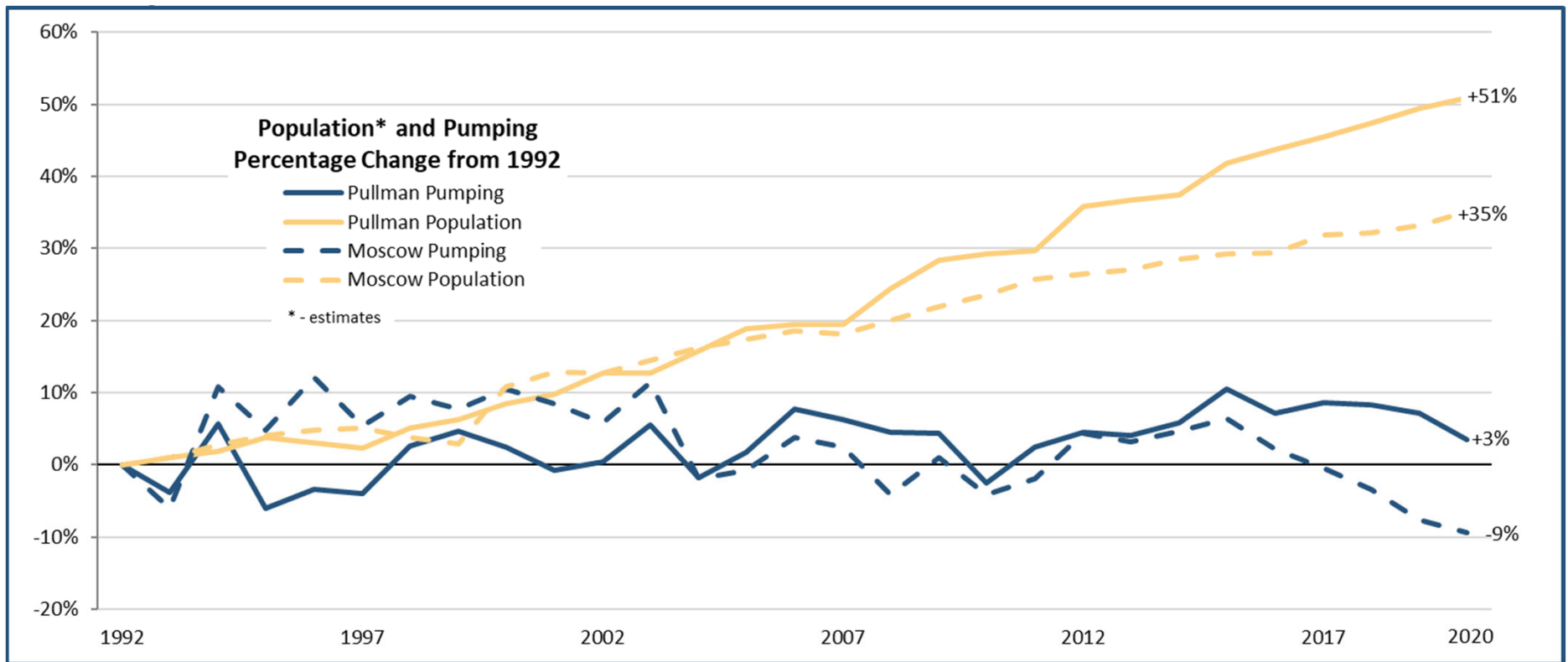


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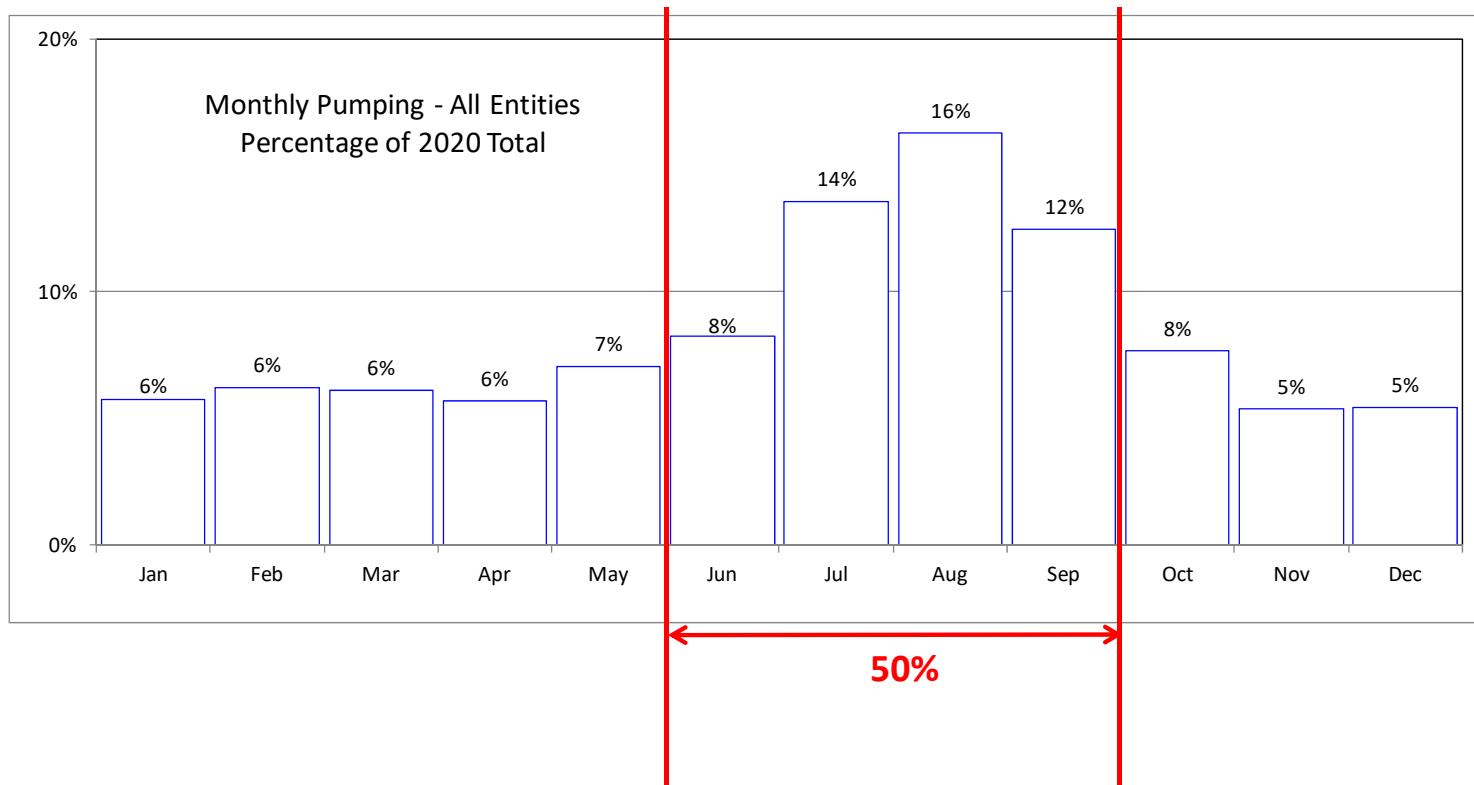
Ground Water Management Plan – Goals



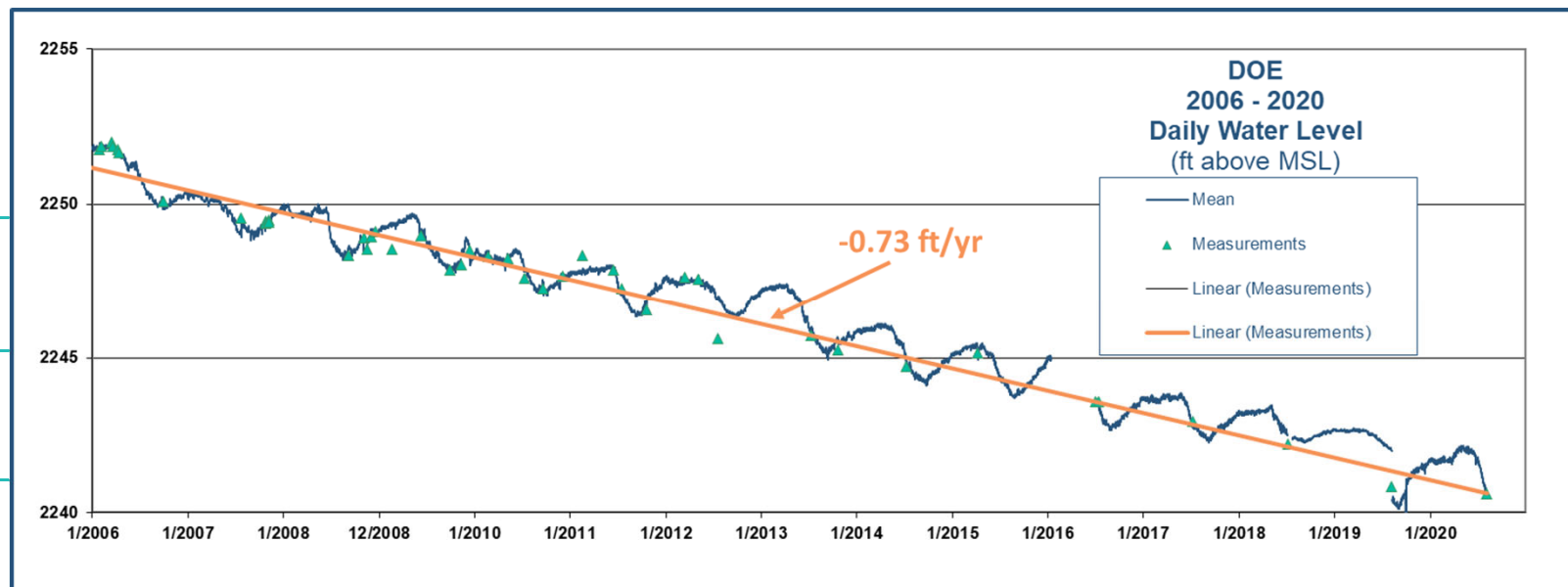
Pullman, Moscow – Population and Pumping - Change from 1992

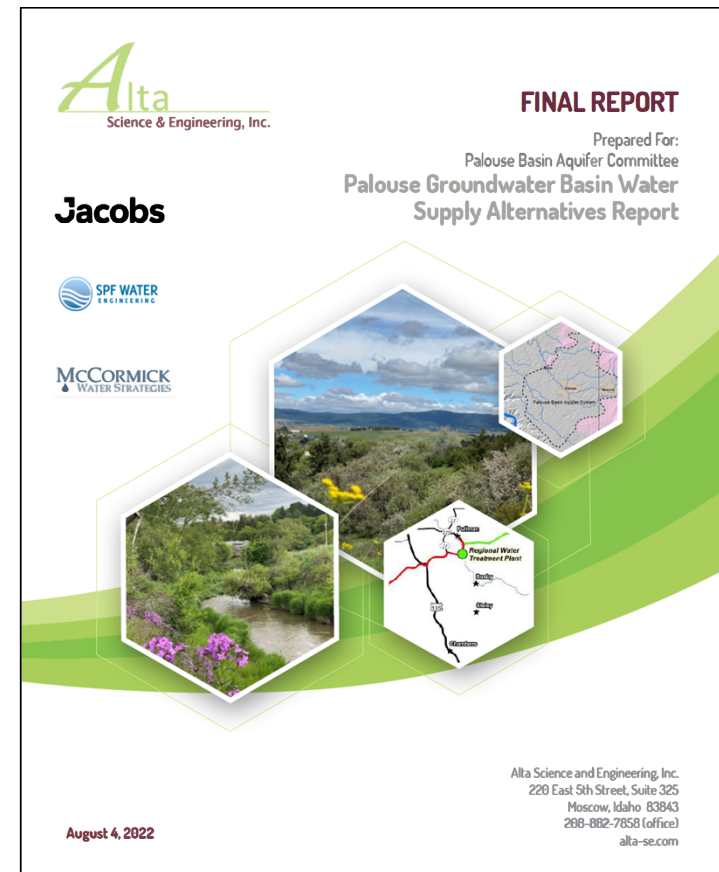
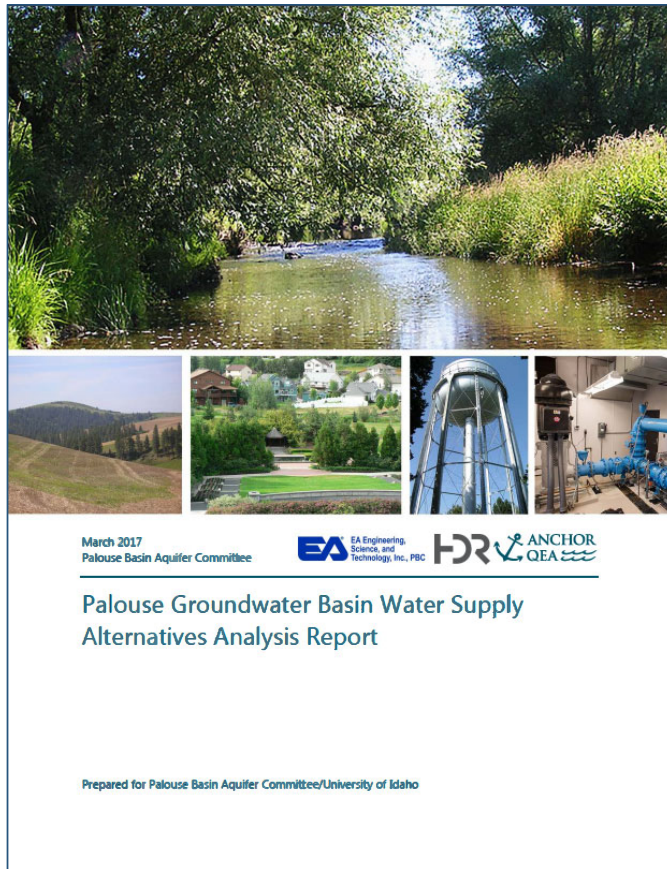


2020 Combined Monthly Pumping – Percentage of Annual Total



Recent decline



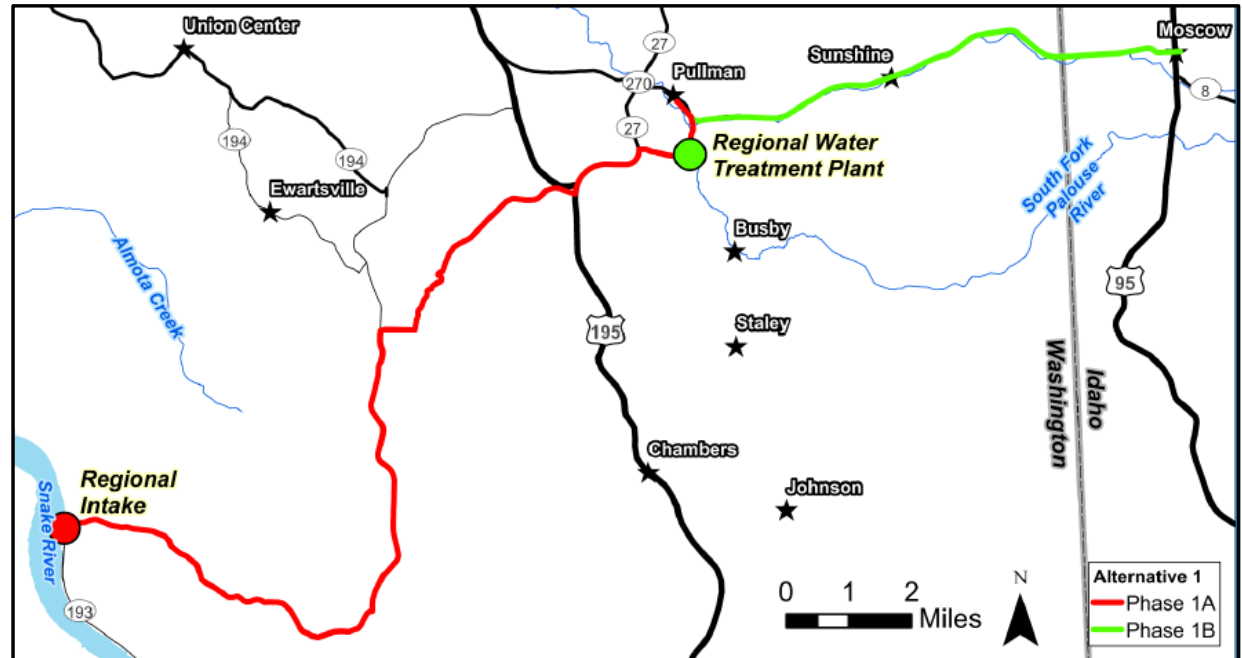


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Water Supply Alternatives...

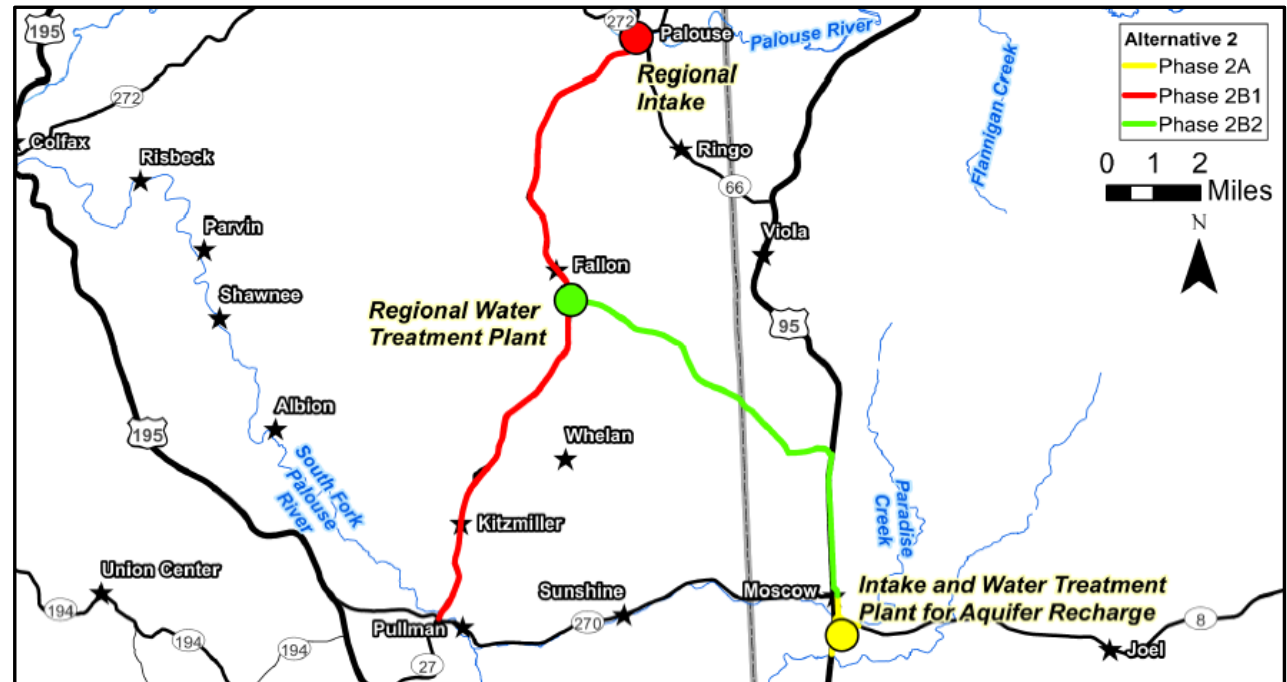
Alternative 1

- Diversion of Snake River piped to Pullman and then Moscow; 10 mo.
- Direct Use
- Estimated 85% of target
- Potential to partner with local utility for pump storage



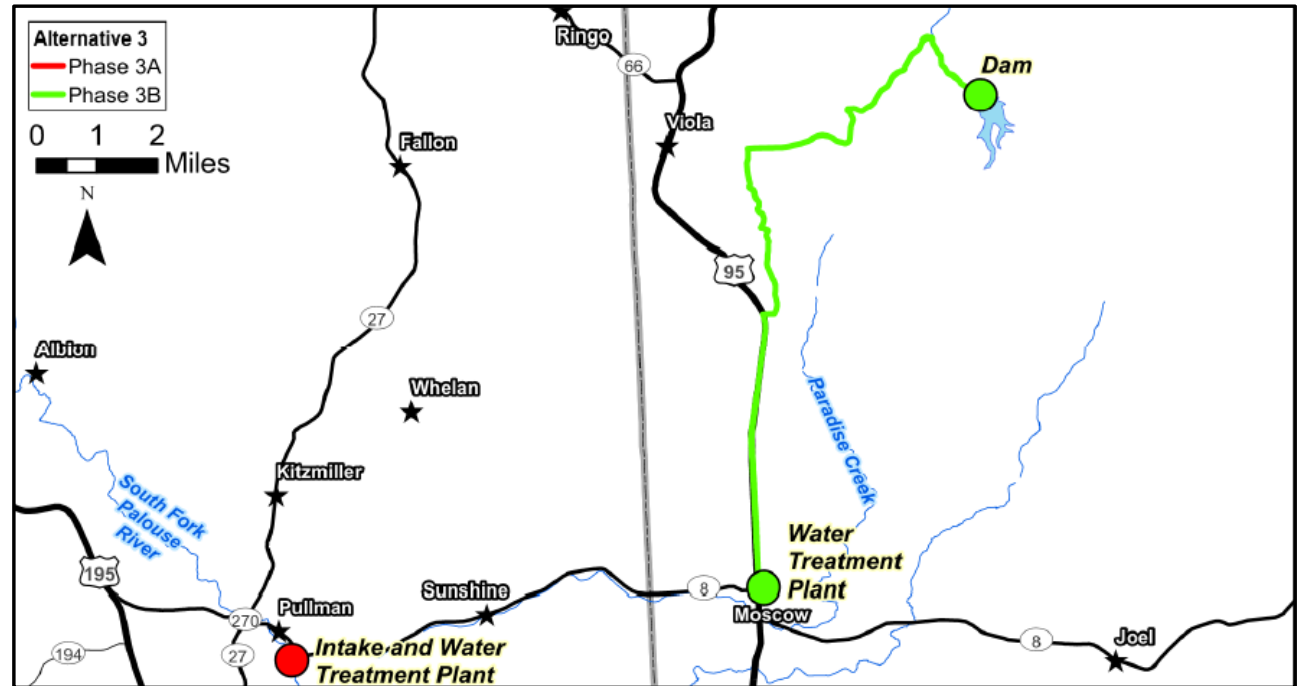
Alternative 2

- Moscow: Paradise Creek/South Fork Palouse River; Aquifer Recharge; 4 mo.
- Pullman/Moscow: North Fork Palouse River; Direct Use; 8 mo.
- Estimated 82% of target



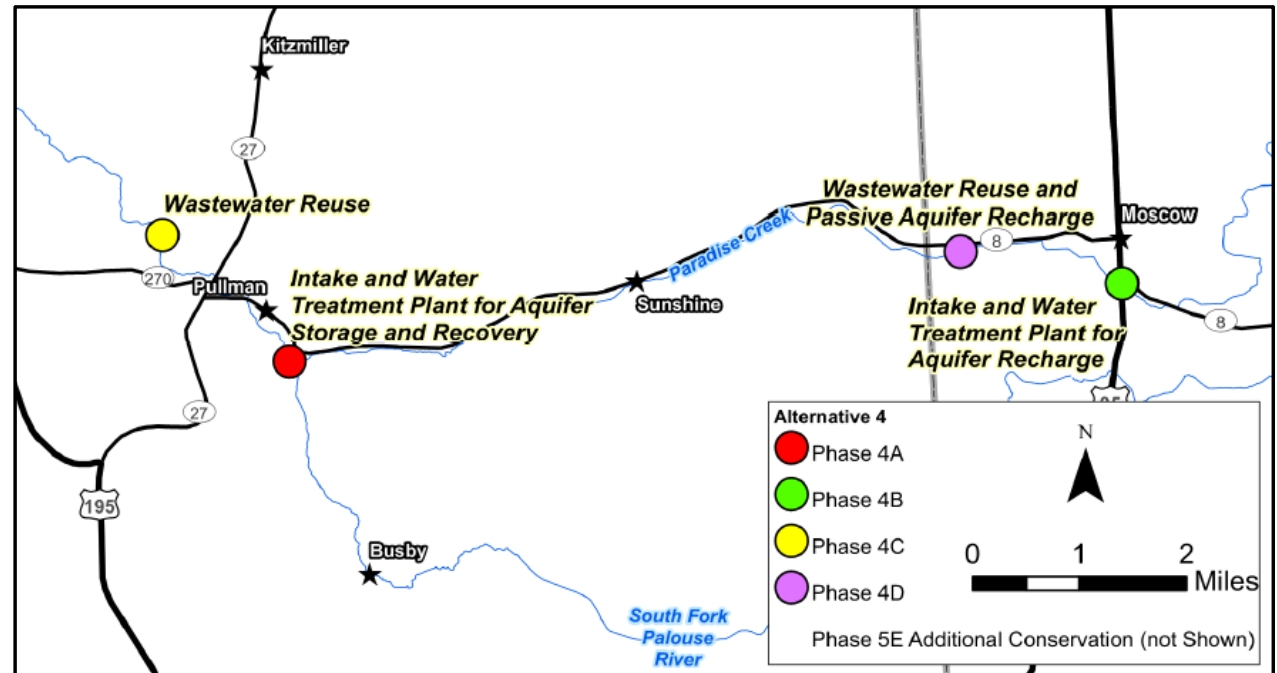
Alternative 3

- Pullman: South Fork of Palouse River; Direct Use; 8 mo.
- Moscow: Flannigan Creek Storage; Direct Use; 12 mo.
- Estimated 100% of target



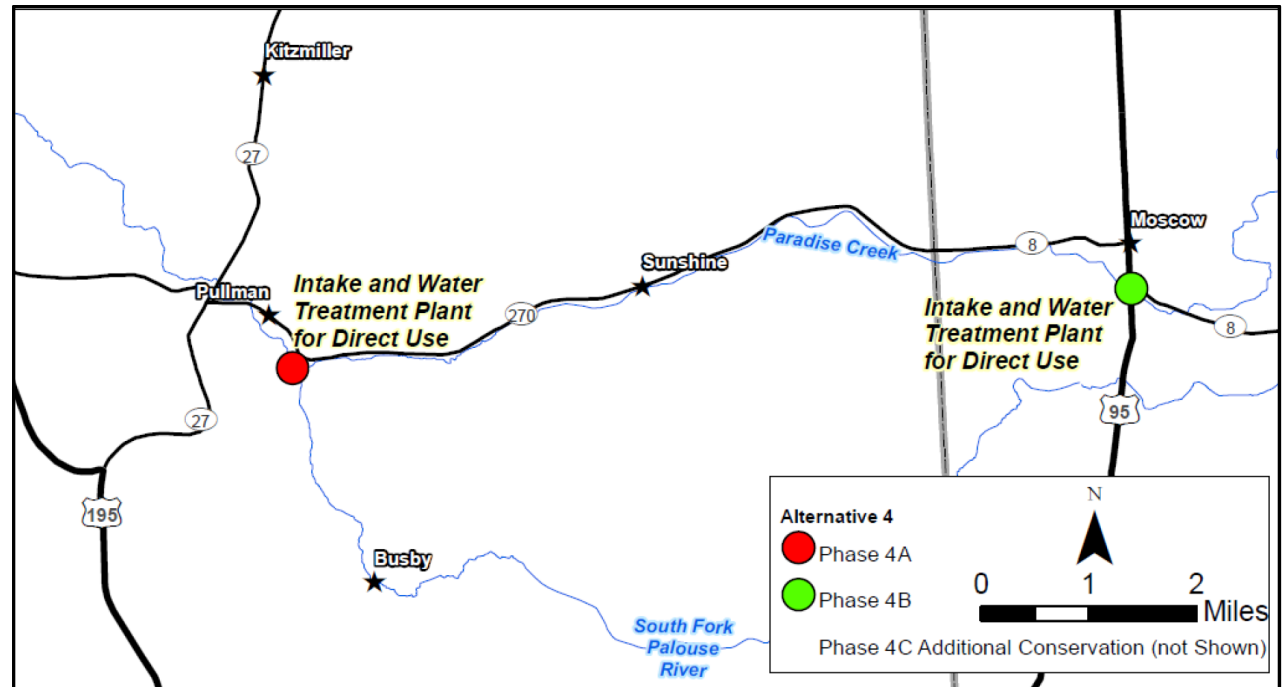
Alternative 4

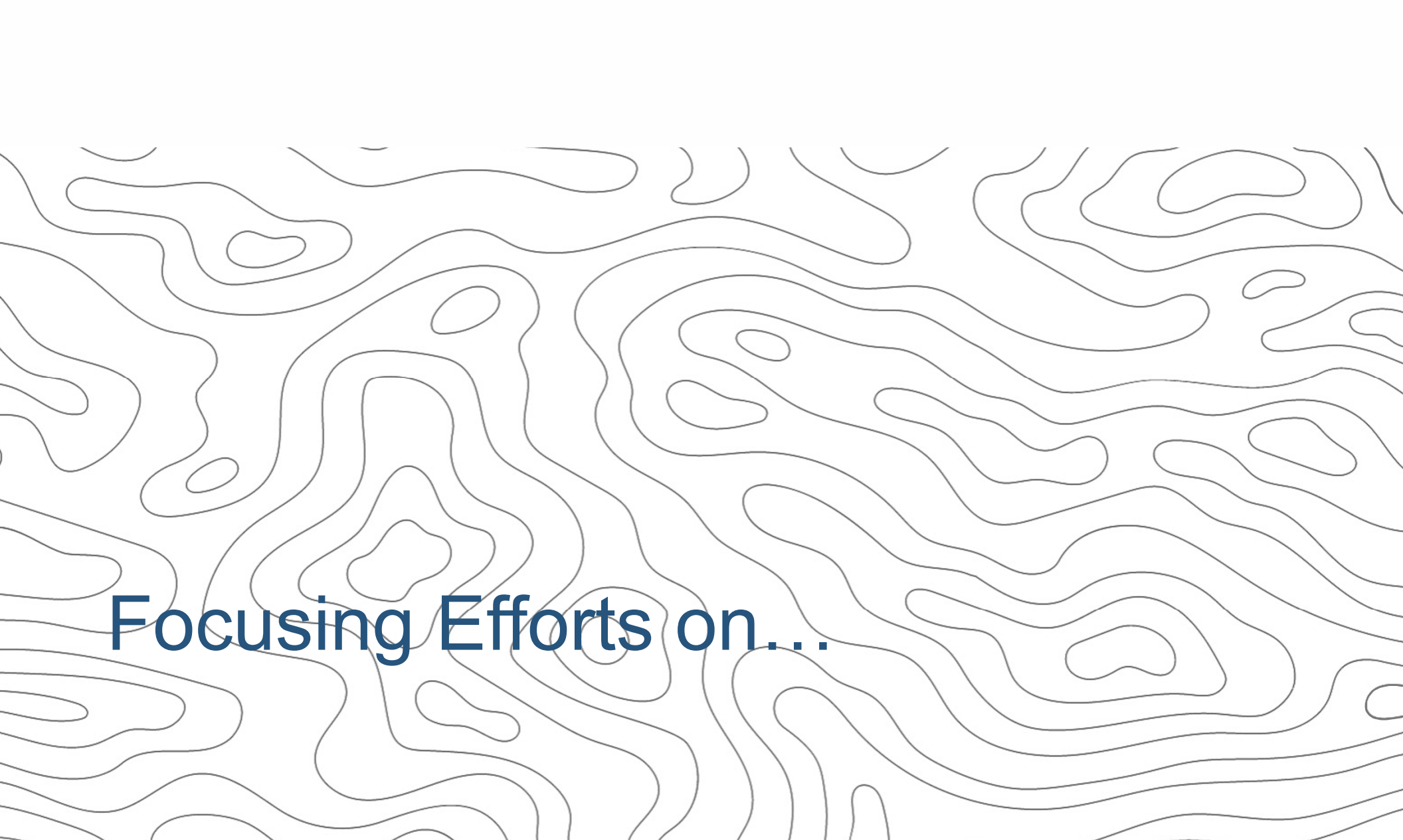
- Pullman:
 - SF Palouse ASR; 4 mo.
 - WW Reuse; 6 mo.
- Moscow:
 - Paradise AR; 4 mo.
 - WW Passive Recharge; 12 mo.
- Additional Conservation
- Estimated 81% of target



Modified Alternative 4

- Elements from Alternative 2, 3 & 4
 - Pullman: South Fork of Palouse River; Direct Use; 8 mo.
 - Moscow: Paradise Creek; Direct Use; 4 mo.
 - Additional Conservation
- Estimated 80% of target

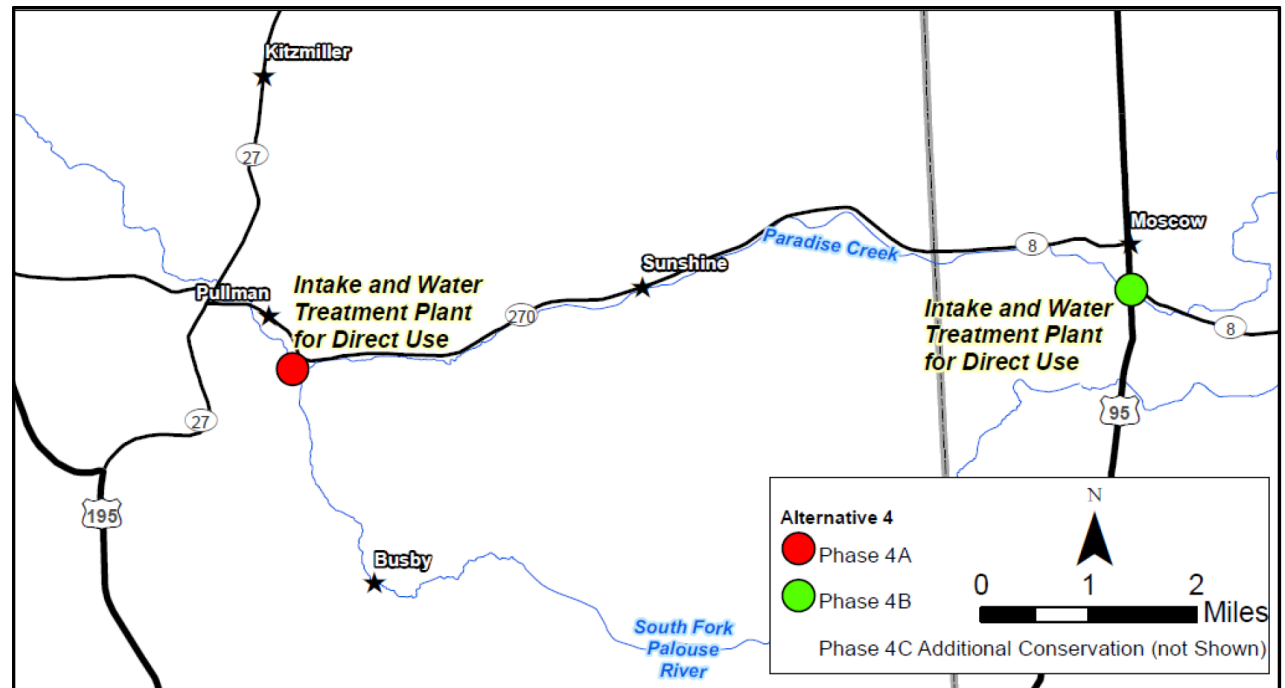


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Focusing Efforts on...

Modified Alternative 4

- Elements from Alternative 2, 3 & 4
 - Additional Conservation
 - Pullman: South Fork of Palouse River; Direct Use; 8 mo.
 - Moscow: Paradise Creek; Direct Use; 4 mo.
- Estimated 80% of target



The background of the slide is a topographic map with numerous contour lines of varying thickness and shape, creating a complex, wavy pattern. The lines are light gray on a white background.

What's Next...

Near-Term Next Steps

- Conservation, Conservation, Conservation
- Further Refinement
- Funding Discussions
- Outreach
- Feedback



Upcoming Timeline

- Member Entity Update Presentations – September
- Stakeholder Engagement Group – early October
- Water Summit – October 18th from 4:30-8PM at SEL Event Center
- Leadership Roundtable – early November
- Robust Public Engagement – ongoing





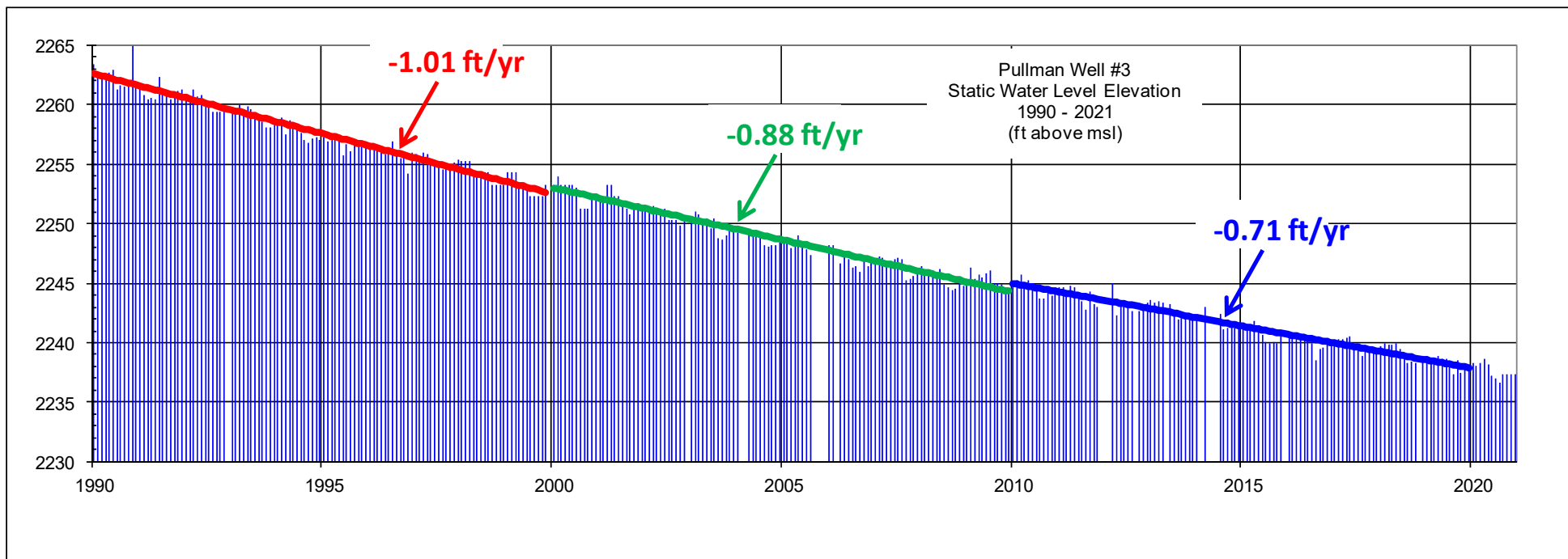
Water Summit

October 18th from 4:30-8pm

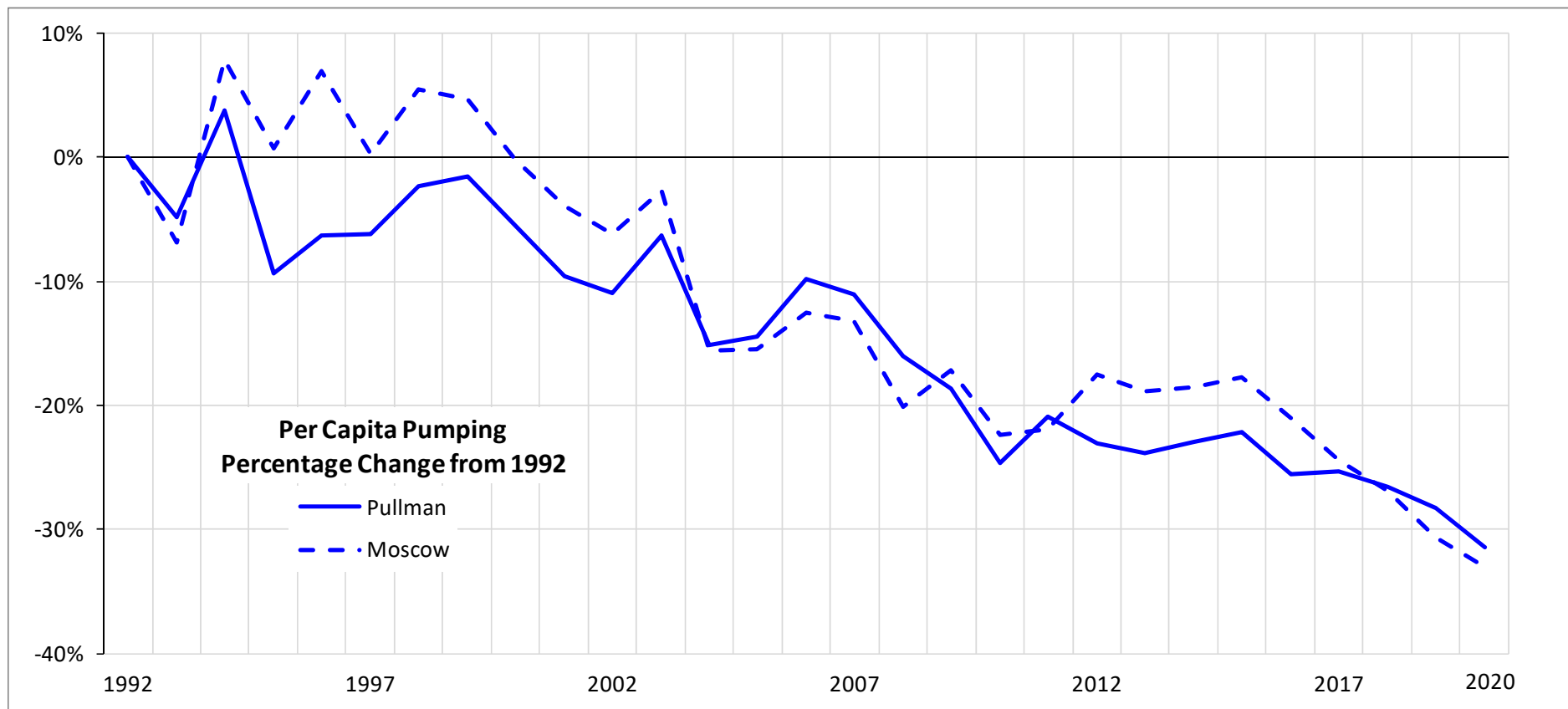
@ SEL Event Center

palousebasinwatersummit.org

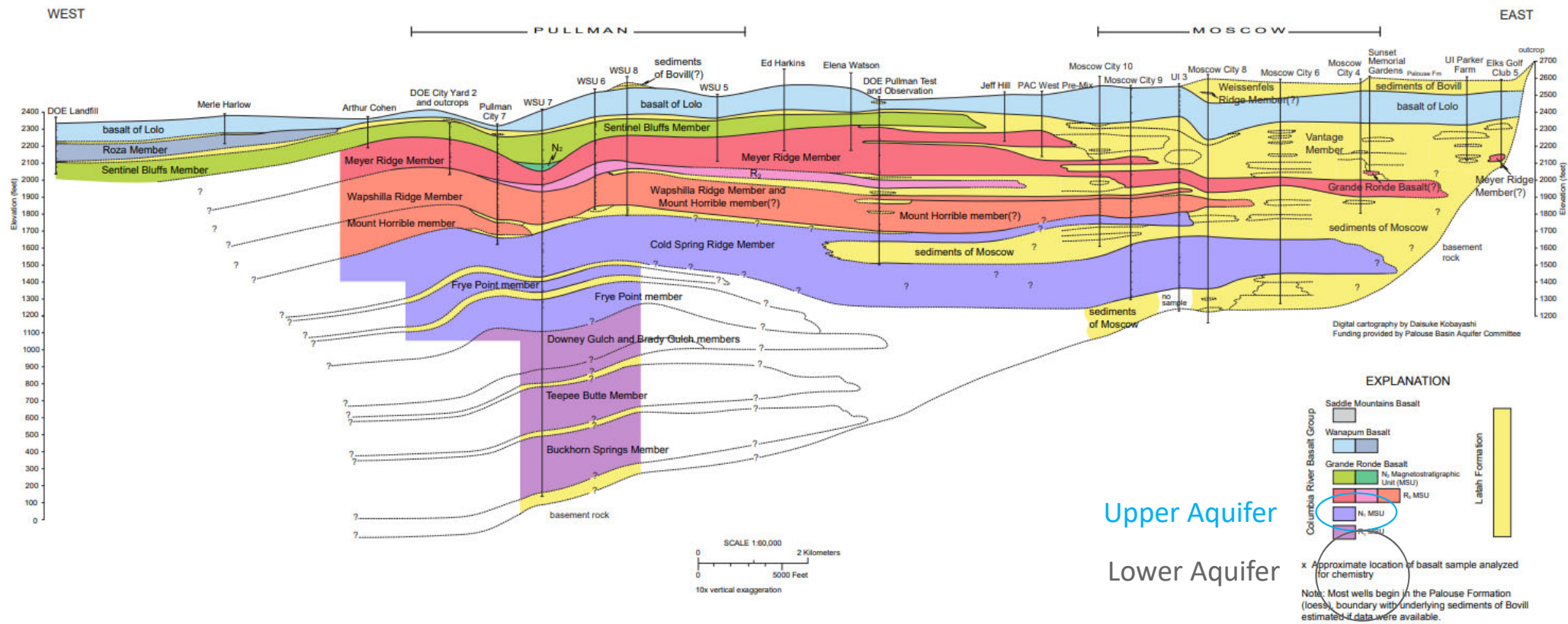
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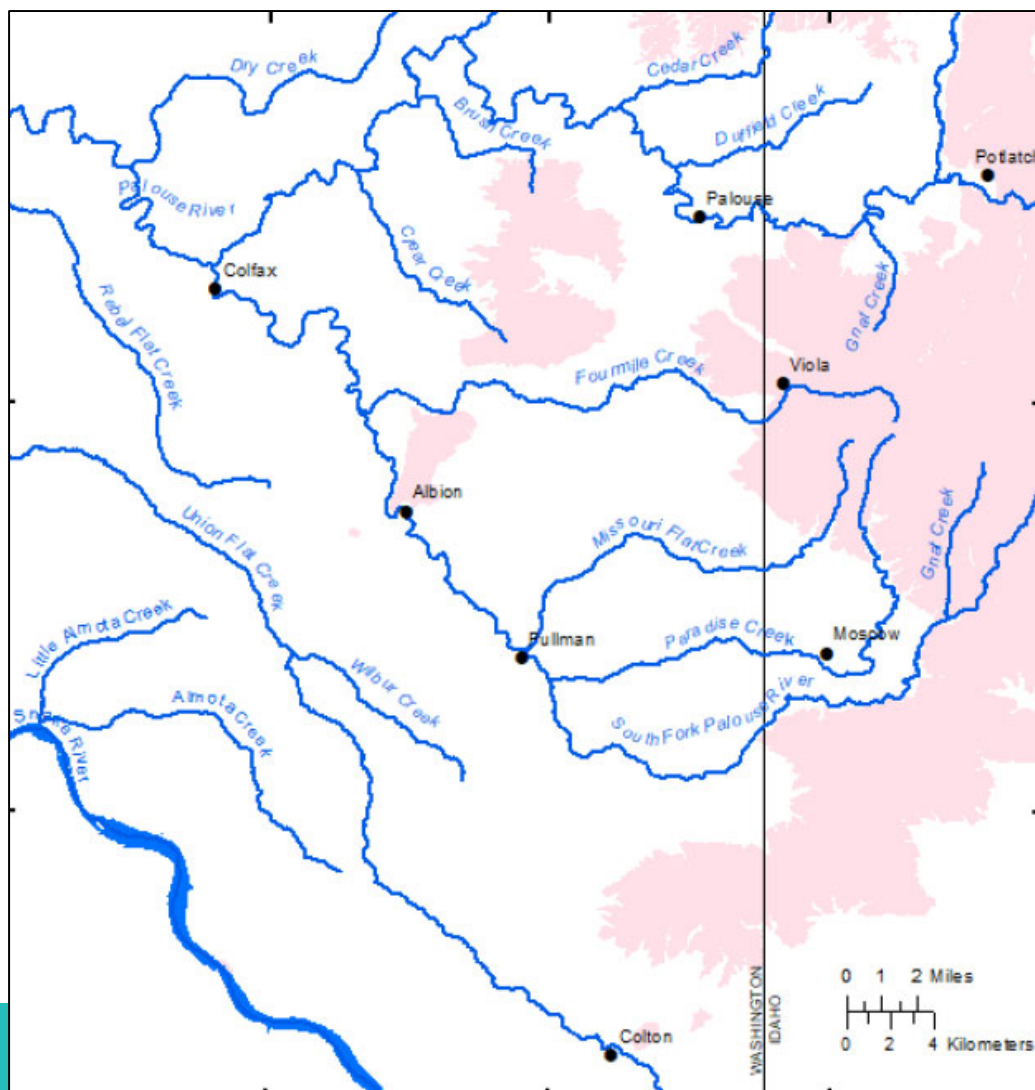
Lower Aquifer Water Levels



Pullman, Moscow – Per Capita Pumping - Change from 1992



Generalized Geologic Cross Section Through Pullman and Moscow



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Table 3. Supply and Costs for the Water Supply Alternatives Phases

Alternative #	Phase # (Matching Phase #)	Project Type	Project Title	Project Description	Estimated Supply and % Demand			2021 Cost Escalation & Recalculated				Present Value of Costs (2021)		
					Estimated Annual Supply (MG) ¹	Estimated Annual Supply (AF)	% of Projected Palouse Basin 50-yr Demand ³	Capital Cost to Implement (\$)	% of Alternative Capital Cost	Capital Cost to Implement (\$/AF of Annual Supply)	Annual Operating Cost ⁴ (\$)	Present Value of Annual Operating Costs ⁴ (\$)	Total Present Value (Capital Cost + Annual Operating Cost) (\$)	Total Present Value (\$/AF of Annual Supply)
1		Surface Water Alternative	Snake River (Pipeline to Pullman and Moscow) Direct Use	Direct diversion from Snake River; Surface water pumped and conveyed to treatment; Treated surface water delivered to Pullman and Moscow potable water system	1,967	6,040	85%	\$ 109,851,689		\$ 18,187	\$ 6,044,000	\$ 293,398,000	\$ 403,249,689	\$ 66,763
	1A		WTP, Pipeline to Pullman		984	3,020	42%	\$ 88,780,510	81%	\$ 29,398	\$ 3,980,000	\$ 193,204,000	\$ 281,984,510	\$ 93,372
	1B		WTP expansion, Pipeline to Moscow		983	3,020	42%	\$ 21,071,179	19%	\$ 6,977	\$ 2,064,000	\$ 100,194,000	\$ 121,265,179	\$ 40,154
	2A	Aquifer Recharge	Moscow: Paradise Creek and/or South Fork Palouse River AR	AR with in-city surface water diversion; Treatment; Active injection of treated water in Moscow AR wells during spring runoff	358	1,100	15%	\$ 19,218,829	25%	\$ 17,472	\$ 773,000	\$ 37,524,000	\$ 56,742,829	\$ 51,584
	2B	Surface Water Alternative	Pullman & Moscow: North Fork Palouse River Direct Use	Direct diversion from NF Palouse River in WA; Surface water pumped and conveyed to treatment north of Pullman; Treated water conveyed to both City of Pullman and City of Moscow potable water systems	1,550	4,760	67%	\$ 57,768,786	75%	\$ 12,136	\$ 1,674,000	\$ 81,262,000	\$ 139,030,786	\$ 29,208
	2B1		WTP, Pipeline to Pullman		775	2,380	33%	\$ 43,656,490	76%	\$ 18,343	\$ 1,264,000	\$ 61,359,000	\$ 105,015,490	\$ 44,124
	2B2		WTP expansion, Pipeline to Moscow		775	2,380	33%	\$ 14,112,296	24%	\$ 5,930	\$ 410,000	\$ 19,903,000	\$ 34,015,296	\$ 14,292
2	Total				1,908	5,860	82%	\$ 76,987,615			\$ 2,447,000		\$ 195,773,615	\$ 33,408
	3A	Surface Water Alternative	Pullman: SF Palouse River Direct Use	Direct Diversion Using Winter/Spring Runoff Direct Diversion from SF Palouse River; Treatment; Delivery to City of Pullman Water System during late winter and spring runoff	894	2,743	38%	\$ 28,776,452	27%	\$ 10,491	\$ 864,000	\$ 41,942,000	\$ 70,718,452	\$ 25,781
	3B	Surface Water Alternative	Moscow: Flannigan Creek/reservoir Direct Use	Flannigan Creek; Reservoir stored water pumped and conveyed to treatment; Treated water discharged directly to City of Moscow potable water system	1,430	4,400	62%	\$ 76,239,792	73%	\$ 17,327	\$ 3,152,000	\$ 153,010,000	\$ 229,249,792	\$ 52,102
3	Total				2,324	7,143	100%	\$ 105,016,244			\$ 4,016,000		\$ 299,968,244	\$ 41,995

Table 3. Supply and Costs for the Water Supply Alternatives Phases

Alternative #	Phase # (Matching Phase #)	Project Type	Project Title	Project Description	Estimated Supply and % Demand			2021 Cost Escalation & Recalculated				Present Value of Costs (2021)			
					Estimated Annual Supply (MG) ¹	Estimated Annual Supply (AF)	% of Projected Palouse Basin 50-yr Demand ²	Capital Cost to Implement (\$)	% of Alternative Capital Cost	Capital Cost to Implement (\$/AF of Annual Supply)	Annual Operating Cost ⁴ (\$)	Present Value of Annual Operating Costs ⁴ (\$)	Total Present Value (Capital Cost + Annual Operating Cost) (\$)	Total Present Value (\$/AF of Annual Supply)	
	4A	ASR	Pullman: SF Palouse River ASR	ASR Using Winter/Spring Runoff Diversion from SF Palouse River; Treatment; Active injection of treated water during late winter and spring runoff	358	1,100	15%	\$ 19,219,029	16%	\$ 17,472	\$ 773,000	\$ 37,524,000	\$ 56,743,029	\$ 51,585	
	4B	Aquifer Recharge	Moscow: Paradise Creek AR	Aquifer Recharge Using Winter/Spring Runoff Direct Diversion from Paradise Creek; Treatment; Active injection of treated water in Moscow Aquifer recharge wells	358	1,100	15%	\$ 19,219,029	16%	\$ 17,472	\$ 773,000	\$ 37,524,000	\$ 56,743,029	\$ 51,585	
	4C	Water Reuse	Pullman/WSU: Waste Water Reuse Project	Water Reuse Project WWTP Upgrades, Class A reclaimed water supply pumped to new water reuse system for irrigation at reuse sites in Pullman	148	454	6%	\$ 53,022,538	44%	\$ 116,790	\$ 205,000	\$ 9,951,000	\$ 62,973,538	\$ 138,708	
	4D	Passive AR	Moscow Waste Water Infiltration	Water Reuse for Infiltration Class A recycled water from Moscow WWTP discharged to shallow infiltration area to enhance Wanapum aquifer groundwater storage	420	1,300	18%	\$ 4,089,164	3%	\$ 3,146	\$ 87,000	\$ 4,223,000	\$ 8,312,164	\$ 6,394	
	4E	Conservation Measures	Moscow Conservation Measures	Sum of all conservation measures from the 2015 Moscow Conservation Plan	104	319	4%	\$ 25,772,446	21%	\$ 13,789			\$ 25,772,446	\$ 13,789	
		Conservation Measures	Pullman Conservation Measures	Sum of all conservation measures from the 2014 Pullman Water System Plan	9	27	0%								
		Conservation Measures	WSU Conservation Measures	Sum of all conservation measures from the 2008 WSU Water System Plan	14	43	1%								
		Conservation Measures		Other conservation (calculated so conservation = 609 MGY)	482	1,480	21%								
4	Total				1,893	5,823	81%	\$ 121,322,206				\$ 210,544,206			\$ 36,157.34
	Mod 4A (3A)	Surface Water Alternative	Pullman: SF Palouse River Direct Use	Direct Diversion Using Winter/Spring Runoff Direct Diversion from SF Palouse River; Treatment; Delivery to City of Pullman Water System during late winter and spring runoff	894	2,743	38%	\$ 28,776,452	39%	\$ 10,491	\$ 864,000	\$ 41,942,000	\$ 70,718,452	\$ 25,781	
	Mod 4B (Modified 2A)	Surface Water Alternative	Paradise Creek - Moscow	NEW - Direct Use	358	1,100	15%	\$ 19,218,829	26%	\$ 17,472	\$ 773,000	\$ 37,524,000	\$ 56,742,829	\$ 51,584	
	Mod 4C (4E)	Conservation Measures	Moscow Conservation Measures	Sum of all conservation measures from the 2015 Moscow Conservation Plan	104	319	4%	\$ 25,772,446	35%	\$ 13,789			\$ 25,772,446	\$ 13,789	
		Conservation Measures	Pullman Conservation Measures	Sum of all conservation measures from the 2014 Pullman Water System Plan	9	27	0%								
		Conservation Measures	WSU Conservation Measures	Sum of all conservation measures from the 2008 WSU Water System Plan	14	43	1%								
		Conservation Measures		Other conservation (calculated so conservation = 609 MGY)	482	1,480	21%								
Mod 4	Total				1,861	5,712	80%	\$ 73,767,727				\$ 153,233,727			\$ 26,826.63

Table 5. Decision Matrix Screening Criteria and Weights

	Screening Criteria	Weights
A	Unit cost of supply (Capital cost and O&M)	9
B	Long-Term Supply Reliability	10
C	Technical Certainty of Success	6
D	Property Acquisition	6
E	Permitting Complexity – Water Rights	6
F	Permitting Complexity – Environmental	6
G	Extent of Regional Agreements Required	4
H	Public Acceptability	8
I	Surface Water Quality Impacts	6
J	Aquifer Water Quality Impacts	6

Table 7. PBAC Water Supply Alternatives Decision Matrix

Anchor QEA Final Alt#	Alta/ Jacobs #	Anchor QEA 2017 ID Summary Table	Project Type	Project Title	Project Description	Screening Criteria										Total Score (Sum of Score x Weight)	Updated Rank for each Interim Step	Updated Rank by Alternative
						A. Unit Cost of Supply (based on \$/AF)	B. Long-Term Supply Reliability	C. Technical Certainty of Success	D. Property Acquisition	E. Permitting Complexity – Water Rights	F. Permitting Complexity – Environmental	G. Extent of Regional Agreements Required	H. Public Acceptability	I. Surface Water Quality Impacts	J. Aquifer Water Quality Impacts			
						9	10	6	6	6	6	4	8	6	6			
1		11	Surface Water Alternative	Snake River (Pipeline to Pullman and Moscow) Direct Use	Direct diversion from Snake River; Surface water pumped and conveyed to treatment; Treated surface water delivered to Pullman and Moscow potable water system	(0.00)	3	3	1.5	1	0	1	1	1	3	99	7	4
	1A 1B			WTP, Pipeline to Pullman WTP expansion, Pipeline to Moscow														
	2A	14	Aquifer Recharge	Moscow: Paradise Creek and/or South Fork Palouse River AR	AR with in-city surface water diversion; Treatment; Active injection of treated water in Moscow AR wells during spring runoff	0.68	1.5	2	1.5	2	0	3	1	3	1	98.1	8	
	2B	8	Surface Water Alternative	Pullman & Moscow: North Fork Palouse River Direct Use	Direct diversion from NF Palouse River in WA; Surface water pumped and conveyed to treatment north of Pullman; Treated water conveyed to both City of Pullman and City of Moscow potable water systems	1.69	1.5	3	1.5	2	1	1	2	1	3	119.2	4	
	2B1 2B2			WTP, Pipeline to Pullman WTP expansion, Pipeline to Moscow														
2 Total						1.50	1.5	2.8	1.5	2.0	0.8	1.4	1.8	1.4	2.6	115		3
	3A	16B	Surface Water Alternative	Pullman: SF Palouse River Direct Use	Direct Diversion Using Winter/Spring Runoff Direct Diversion from SF Palouse River; Treatment; Delivery to City of Pullman Water System during late winter and spring runoff	1.84	1.5	3	1.5	2	1	3	2	1	3	129	2	
	3B	1	Surface Water Alternative	Moscow: Flannigan Creek/reservoir Direct Use	Flannigan Creek; Reservoir stored water pumped and conveyed to treatment; Treated water discharged directly to City of Moscow potable water system	0.66	1.5	1	1.5	2	0	3	2	3	3	112	6	
3			Total			1.11	1.5	1.8	1.5	2.0	0.4	3.0	2.0	2.2	3.0	118		2

Table 7. PBAC Water Supply Alternatives Decision Matrix

Anchor QEA Final Alt#	Alta/ Jacobs #	Anchor QEA 2017 ID Summary Table	Project Type	Project Title	Project Description	Screening Criteria										Total Score (Sum of Score x Weight)	Updated Rank for each Interim Step	Updated Rank by Alternative
						A. Unit Cost of Supply (based on \$/AF)	B. Long-Term Supply Reliability	C. Technical Certainty of Success	D. Property Acquisition	E. Permitting Complexity – Water Rights	F. Permitting Complexity – Environmental	G. Extent of Regional Agreements Required	H. Public Acceptability	I. Surface Water Quality Impacts	J. Aquifer Water Quality Impacts			
						Weight (1-10):												
						9	10	6	6	6	6	4	8	6	6			
3	3A	16B	Surface Water Alternative	Pullman: SF Palouse River Direct Use	Direct Diversion Using Winter/Spring Runoff Direct Diversion from SF Palouse River; Treatment; Delivery to City of Pullman Water System during late winter and spring runoff	1.84	1.5	3	1.5	2	1	3	2	1	3	129	2	
2	2A	14	Direct Use	Paradise Creek - Moscow	NEW - Direct Use	0.68	0.0	3	1.5	3	0	3	2	3	3	115.1	5	
4	4E	31	Conservation Measures	Moscow Conservation Measures	Sum of all conservation measures from the 2015 Moscow Conservation Plan	2.38	3	1	3	3	3	3	3	3	3	183	1	
		32	Conservation Measures	Pullman Conservation Measures	Sum of all conservation measures from the 2014 Pullman Water System Plan													
		33	Conservation Measures	WSU Conservation Measures	Sum of all conservation measures from the 2008 WSU Water System Plan													
			Conservation Measures		Other conservation (calculated so conservation = 609 MGY)													
Mod 4 (B)			Total			1.79	1.70	2.35	1.99	2.52	1.46	3.00	2.33	2.04	3.00	144		1

Figure 8. Graphs of Capital Cost Versus Anticipated Supply Amounts for Each Water Supply Alternative.

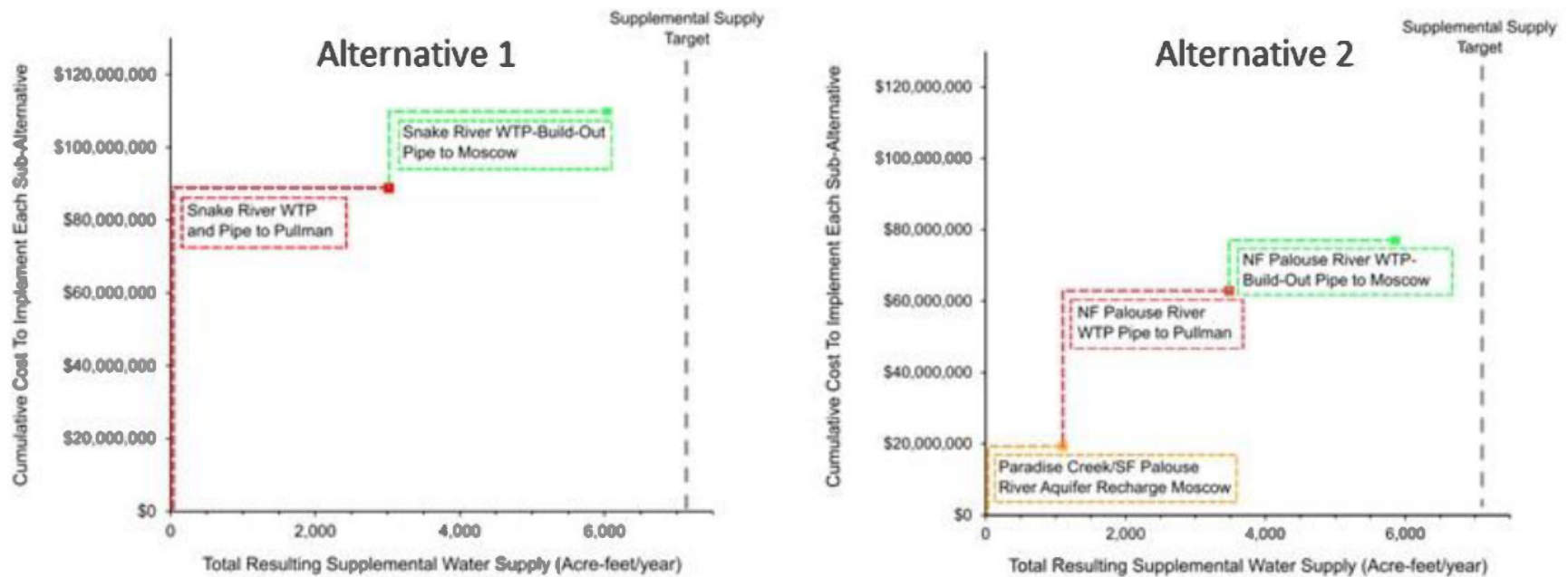


Figure 8. Graphs of Capital Cost Versus Anticipated Supply Amounts for Each Water Supply Alternative.

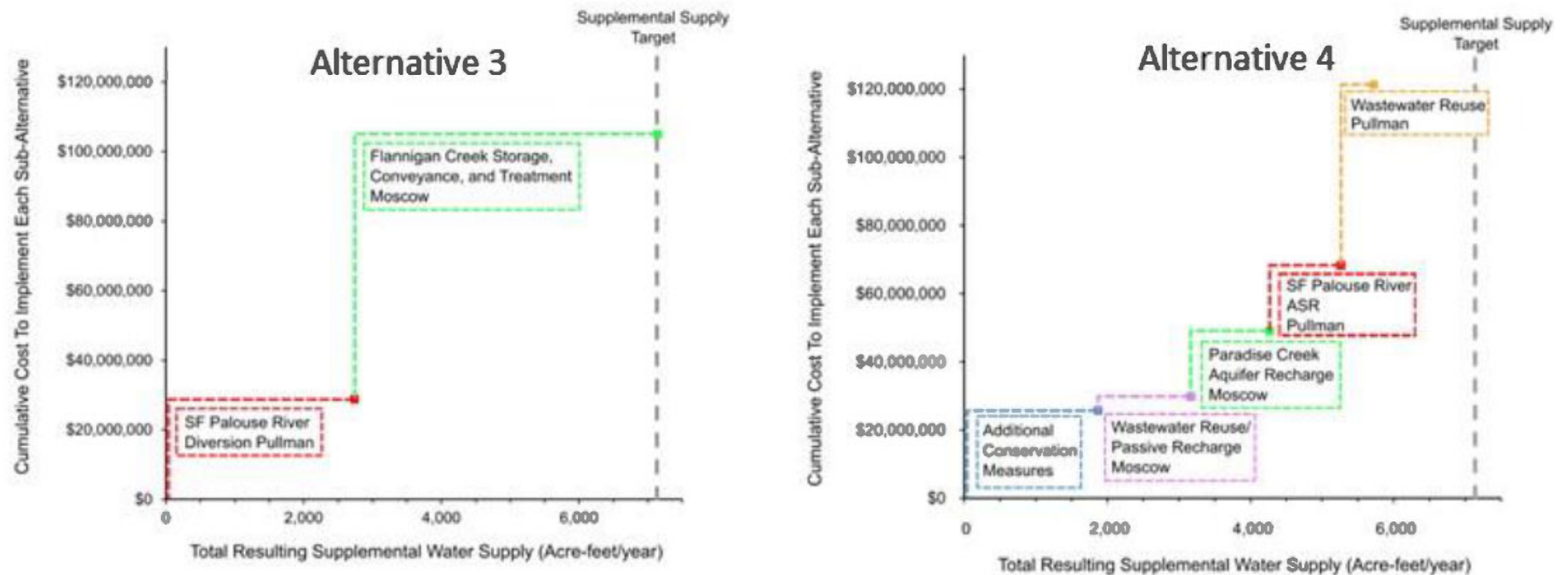


Figure 8. Graphs of Capital Cost Versus Anticipated Supply Amounts for Each Water Supply Alternative.

