



Lake Whatcom Water & Sewer District

Board Meeting Access Information

Meeting	6:30 pm - 2nd Wed of each month
Schedule	8:00 am - Last Wed of each month

Meeting Access

Meetings are held in person at our Administrative offices at 1220 Lakeway Drive in Bellingham. If you prefer to attend remotely, access information is below.

Join the meeting from your computer, tablet smartphone:

<https://meet.goto.com/lwwsd/boardmeeting>

You can also dial in using your phone.

Call: [+1 \(224\) 501-3412](tel:+12245013412) **Access Code:** 596-307-141

*Press *6 to mute/unmute your microphone*

New to GoToMeeting? Get the app now and be ready when the meeting starts:

<https://meet.goto.com/install>

Attending a Meeting

Lake Whatcom Water & Sewer District's regular Board meetings take place on the second Wednesday of each month at 6:30 pm and the last Wednesday of each month at 8:00 am.

Meetings are open to the public per the Open Public Meetings Act.

All meetings are hybrid, available in person or online. If you wish to observe a meeting, but do not plan to actively participate, you may attend anonymously. Turn off your mic & camera, and change your display name to "Observation Only."

Public Comment Periods

Public comment periods are built in to the agenda, one near the beginning of the meeting and one near the end.

Commissioners will listen, but will not respond or engage in dialogue during the comment period. Direct questions or requests are noted by staff for follow-up.

For the sake of time, and to leave plenty of time for scheduled agenda items, public comments are limited to 3 minutes per person and 45 minutes per comment period.

Comments may be submitted at any time through mail, email, our online contact form, or by phone.

For more information about communicating with the Board of Commissioners, [please visit our website!](#)



Questions?

If you have questions about attending an upcoming meeting, please contact Administrative Assistant Rachael Hope at rachael.hope@lwwsd.org or 360-734-9224.



LAKE WHATCOM WATER AND SEWER DISTRICT

1220 Lakeway Drive
Bellingham, WA 98229

REGULAR MEETING OF THE BOARD OF COMMISSIONERS

AGENDA

October 28, 2026

8:00 a.m. – Regular Session

1. CALL TO ORDER
2. ROLL CALL
3. PUBLIC COMMENT OPPORTUNITY
At this time, members of the public may address the Board of Commissioners. Please state your name and address prior to making comments and limit your comments to three minutes. For the sake of time, each public comment period will be limited to 45 minutes.
4. ADDITIONS, DELETIONS, OR CHANGES TO THE AGENDA
5. CONSENT AGENDA
6. SPECIFIC ITEMS OF BUSINESS
 - A. Treatment Optimization Program (TOP) Quarter Century Award Presentation
 - B. Resolution No. 909—2026 Whatcom County Hazards Mitigation Plan Adoption
 - C. 2027-28 Biennial Budget Discussion
7. OTHER BUSINESS
8. STAFF REPORTS
 - A. General Manager
 - B. Engineering Department
 - C. Finance Department
 - D. Operations Department
9. PUBLIC COMMENT OPPORTUNITY
10. EXECUTIVE SESSION
Executive Session per RCW 42.30.110(1)(g): To review the performance of a public employee (General Manager performance evaluation) – 30 minutes
11. ADJOURNMENT



**AGENDA
BILL
Item 5**

Consent Agenda

DATE SUBMITTED:	October 21, 2026	MEETING DATE:	October 28, 2026
TO: BOARD OF COMMISSIONERS	FROM: Rachael Hope		
GENERAL MANAGER APPROVAL			
ATTACHED DOCUMENTS	1. See below		
TYPE OF ACTION REQUESTED	RESOLUTION ☐	FORMAL ACTION/ MOTION ☒	INFORMATIONAL/ OTHER ☐

****TO BE UPDATED 10.27.2026****

BACKGROUND / EXPLANATION OF IMPACT

- Minutes for the September 9, 2026 Regular Board Meeting
- Minutes for the October 14, 2026 Regular Board Meeting
- Payroll Taxes for Quarter 3 2026 totaling \$12,415.35
- Payroll for Pay Period #22 (10.10.2026 through 10.23.2026) total to be added
- Benefits for Pay Period #22 total to be added
- Accounts Payable Vouchers total to be added

FISCAL IMPACT

Fiscal impact is as indicated in the payroll/benefits/accounts payable quantities defined above. All costs are within the Board-approved 2025-2026 Budget.

RECOMMENDED BOARD ACTION

Staff recommends the Board approve the Consent Agenda.

PROPOSED MOTION

A recommended motion is:

“I move to approve the Consent Agenda as presented.”



1220 Lakeway Dr • Bellingham, WA 98229

REGULAR SESSION OF THE BOARD OF COMMISSIONERS

Minutes

September 9, 2026

Board President Todd Citron called the Regular Session to order at 6:30 p.m.

Attendees:	Commissioner Todd Citron (v)	General Manager Justin Clary
	Commissioner David Holland	Engineering Manager Greg Nicoll
	Commissioner Jeff Knakal	Finance Manager Jenny Signs
	Commissioner Nick Greif	Operations Manager Jason Dahlstrom
	Commissioner John Carter (v)	Legal Counsel Bob Carmichael

Also in attendance was member of the public Michael Miller (v). Attendees noted with a (v) attended the meeting virtually. Commissioner Greif joined the meeting at 6:33 p.m.

Consent Agenda

Action Taken

Knakal moved, Holland seconded, approval of:

- **Minutes for the 08.26.2026 Regular Board Meeting**
- **Payroll for Pay Period #18 (08.15.2026 through 08.28.2026) totaling \$52,307.00**
- **Benefits for Pay Period #18 totaling \$56,675.14**
- **Accounts Payable Vouchers totaling \$127,885.91.**

Motion passed.

Draft 2027-2028 Biennial Budget Discussion

Signs presented an updated 2027-2028 draft budget for Board discussion. The main change from the draft presented for discussion at the August 26, 2026 regular Board meeting was the addition of \$50,000 to the operating budget to provide funding for a compensation study in fiscal year 2028. The District's most recent study was completed in 2024. Additionally, minor errors were corrected and a draft narrative of capital improvement projects was added. Discussion followed.

General Manager's Report

Clary updated the Board on several topics, including FEMA design approval and increased funding for upcoming capital projects, District employee Greg Soto's National Championship win at the American Public Works Association's National Rodeo competition, and upcoming staffing changes and recruitment.

Executive Session Per RCW 42.30.110(1)(g)

Citron recessed the Regular Session to Executive Session at 6:54 p.m. It was estimated that the

Executive Session would take 9 minutes and end at 7:05 p.m. The purpose of the Executive Session was to review the performance of a public employee (General Manager performance evaluation). Citron recessed the Executive Session and reconvened the Regular Meeting at 7:05 p.m. No action was taken.

With no further business, Citron adjourned the regular session at 7:06 p.m.

Board President, Todd Citron

Attest: _____

Recording Secretary, Rachael Hope

Minutes approved by motion at ☐ Regular ☐ Special Board Meeting on _____



1220 Lakeway Dr • Bellingham, WA 98229

REGULAR SESSION OF THE BOARD OF COMMISSIONERS

Minutes

October 14, 2026

Board President Todd Citron called the Regular Session to order at 6:30 p.m.

Attendees:	Commissioner Todd Citron	General Manager Justin Clary
	Commissioner David Holland (v)	Engineering Manager Greg Nicoll
	Commissioner Jeff Knakal	Operations Manager Jason Dahlstrom
	Commissioner Nick Greif	Recording Secretary Rachael Hope
	Commissioner John Carter	Legal Counsel Bob Carmichael

Also in attendance was member of the public Michael Miller (v). Attendees noted with a (v) attended the meeting virtually.

Consent Agenda

Action Taken

Knakal moved, Greif seconded, approval of:

- Payroll for Pay Period #19 (08.29.2026 through 09.11.2026) totaling \$50,590.51
- Benefits for Pay Period #19 totaling \$57,003.84
- Accounts Payable Vouchers totaling \$781,251.84
- Payroll for Pay Period #20 (09.12.2026 through 09.25.2026) totaling \$51,976.85
- Benefits for Pay Period #20 totaling \$57,347.61
- Payroll for Pay Period #21 (09.26.2026 through 10.09.2026) totaling \$54,243.72
- Benefits for Pay Period #21 totaling \$58,076.10
- Accounts Payable Vouchers totaling \$230,372.44

Motion passed.

Customer Appeal – Suspension of Sewer Service Requirements

Clary explained that the property located at 2125 Northshore Road formerly included a single-family residential home connected to the District's sewage conveyance system via a grinder pump. After the home remained vacant for over a decade, neighboring property owners Tim and Leslie Farris purchased the property and demolished the house in 2015.

In 2017, Mr. Farris approached the District about termination of sewer service for the 2125 Northshore Road property due to the demolition of the home. The Farris family was informed that the District Administrative Code required capping of the side sewer at the point at which it enters Northshore Road right-of-way to be eligible for service suspension. The Farris family appealed the Administrative Code requirement to the Board and during its May 10, 2017 meeting, the Board declined the Farris's appeal.

In November 2023 the District received an email from Mr. Farris requesting that the District reconsider suspension of sewer service to the subject property, subject to capping the side sewer at the prior location of the demolished home rather than at the road right-of-way. The General Manager provided a response, citing the District Administrative Code.

No further correspondence occurred until July 2025, when Mr. Farris requested that the District reconsider his request, or consider revising the Administrative Code to provide a reduced sewer service rate for connected properties without structures. Staff determined that the next appropriate step was for the Board to officially hear Mr. Farris's appeal of the General Manager's interpretation of the Administrative Code. The appeal hearing was conducted during the regular Board meeting on July 30, 2025. The Board denied Mr. Farris's appeal, thus requiring adherence with the Administrative Code and capping of the side sewer at the right-of-way line.

In June of 2026, Mr. Farris again contacted the District regarding a desire to proceed with capping of the sewer connection. The District responded on June 30 with the steps necessary to complete the capping in accordance with the Administrative Code, and district staff performed locate services for the point where the public service lateral connects with the public sewer main on July 9.

On Friday, July 24, without scheduling and attending the required pre-construction conference, Mr. Farris's District-bonded side sewer contractor proceeded with excavation, but was unable to locate the side sewer or service lateral. As work was taking place outside normal District business hours, no inspector was available to answer questions or provide inspection. Subsequently, Mr. Farris requested that the Board re-consider his request to appeal the Board's prior decisions and allow the line to be capped at the location of the former home.

Staff presented the Board with information and correspondence between Mr. Farris and staff, and provided two options under the District's Administrative Code for Board consideration:

1. Direct development of a resolution revising Administrative Code Sections 2.10.5, Suspension of Billing for Unoccupied Premises, and 5.6.6, Disconnection of Side Sewer, to allow for capping of side sewers at locations other than at the right-of-way or as close to the sewer main as possible.
2. Uphold the General Manager's interpretation of the Administrative Code requiring continued payment of sewer service until the side sewer is capped in accordance with the Administrative Code.

Staff advised that revising the required location for capping of side sewers/sewer laterals other than at the public right-of-way would create a potential pathway for groundwater infiltration or other contaminants to enter the District's sewage conveyance system and/or an unregulated space for sewage to back up into and potentially leak on private property as the side sewer pipe ages/deteriorates. Discussion followed.

Action Taken

Holland moved, Knakal seconded, to uphold the District Administrative Code as written and implemented by the General Manager, and decline Mr. Farris's appeal to revise the Administrative Code. Motion passed by unanimous vote.

Resolution No. 908—Master Fees and Charges Schedule Update

Clary recalled that the current revision of the Master Fees & Charges Schedule (Schedule 30) was adopted by the Board via Resolution No. 906 during its regularly scheduled meeting on July 29, 2026. Schedule 30 reflects the results of review of the District's rates for water sales and sewer service conducted earlier this year. Following its adoption, the District was contacted by a customer who owns a duplex regarding their utility bill.

In reviewing the Master Fees and Charges Schedule pertaining to sewer rates, the overall ERU rate is composed of an *account charge* and a *volume charge*. During the recent rate analysis, the overall ERU charge was the only charge reviewed relative to the revenue-based needs of the sewer utility. Similarly, review of prior

rate studies conducted in 2021, 2017, and 2014 contains little or no reference to the sewer rate components. Because current rates, as well as those recently adopted by the Board for 2027-2031, are based on an overall per ERU charge and do not appear based upon the two component charges, District staff proposed simplifying the sewer rate structure to the flat per ERU charge. In addition, staff noted that the District’s relatively few multi-unit customers (82 accounts) have historically been charged the overall per ERU charge, plus a “multi-unit allowance” charge that is equivalent to the current account charge. Because each unit is already being charged the combined (account and volume based) sewer charge, current District staff cannot determine why an additional account charge is being billed to multi-unit customers. Staff recommended removing this multiunit allowance charge, as well. Those changes were incorporated into the draft Master Fees and Charges Schedule associated with Resolution No. 908.

Action Taken

Greif moved, Knakal seconded, to adopt Resolution No. 908, as presented. Motion passed.

General Manager’s Report

Clary updated the Board on several topics, including recent coordination meetings with City of Bellingham Public Works Department regarding upcoming projects and completion of the crew’s annual wet weather preparedness exercise in advance of storm season. Clary also recognized Operations & Maintenance Manager Jason Dahlstrom for his presentation at the Washington Association of Sewer & Water Districts conference last month.

Executive Session Per RCW 42.30.110(1)(g)

Citron recessed the Regular Session to Executive Session at 7:45 p.m. It was estimated that the Executive Session would take 22 minutes and end at 8:07 p.m. The purpose of the Executive Session was to review the performance of a public employee (General Manager performance evaluation). Citron recessed the Executive Session and reconvened the Regular Meeting at 8:07 p.m. No action was taken.

With no further business, Citron adjourned the regular session at 8:07 p.m.

Board President, Todd Citron

Attest: _____
Recording Secretary, Rachael Hope

Minutes approved by motion at ☐ Regular ☐ Special Board Meeting on _____

CHECK REGISTER

Lake Whatcom W-S District

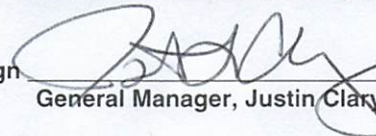
Time: 15:54:55 Date: 10/19/2026

10/19/2026 To: 10/19/2026

Page: 3rd Qtr¹

Trans	Date	Type	Acct #	Chk #	Claimant	Amount	Memc	Quarterlies
2862	10/19/2026	Payroll	5	17921	EMPLOYMENT SECURITY DEPARTMENT	954.36	3rd Quarter Unemployment: 07/01/2026 - 09/30/2026	
2863	10/19/2026	Payroll	5	17922	EMPLOYMENT SECURITY DEPT PAID FAMILY & MEDICAL LEAVE	3,916.14	Pay Cycle(s) 07/01/2026 To 09/30/2026 - PFMLA	
2864	10/19/2026	Payroll	5	17923	EMPLOYMENT SECURITY DEPT. WA CARES FUND	2,498.83	Pay Cycle(s) 07/01/2026 To 09/30/2026 - LTC	
2865	10/19/2026	Payroll	5	17924	WA ST DEPT OF LABOR AND IND	5,046.02	3RD Quarter L&I: 07/01/2026 - 09/30/2026	
						10,182.62	401 Water Fund	
						2,232.73	402 Sewer Fund	
						12,415.35	Payroll:	12,415.35

I do hereby certify, under penalty of perjury, that the above is an unpaid, just, and due obligation as described herein, and that I am authorized to certify this claim.

Sign  Date 10.19.2026
General Manager, Justin Clary

Board Authorization - The duly elected board for this district has reviewed the claims listed and approved the payment by motion at the meeting listed below:

Board President, Todd Citron

Attest : _____
Recording Secretary, Rachael Hope

Approved by motion at ☒ Regular ☐ Special Board Meeting on Oct 28, 2026
Date Approved



**AGENDA
BILL
Item 6.A**

**Washington State Department of
Health Treatment Optimization
Program (TOP) Quarter Century
Award**

DATE SUBMITTED:	October 21, 2026	MEETING DATE:	October 28, 2026
TO: BOARD OF COMMISSIONERS	FROM: Justin Clary, General Manager		
GENERAL MANAGER APPROVAL			
ATTACHED DOCUMENTS	1. none		
TYPE OF ACTION REQUESTED	RESOLUTION ☐	FORMAL ACTION/ MOTION ☐	INFORMATIONAL/ OTHER ☒

BACKGROUND / EXPLANATION OF IMPACT

The Lake Whatcom Water and Sewer District's South Shore Water System, which serves the Geneva and Sudden Valley communities, is supplied by the Sudden Valley Water Treatment Plant. The plant uses rapid rate filtration technology to treat water drawn from Lake Whatcom prior to distribution throughout the South Shore system.

In 2001, the Washington State Department of Health created its [Treatment Optimization Program](#) (TOP) to recognize rapid rate filtration plants throughout Washington State for compliance with regulatory standards. Of the 59 rapid rate filtration plants in operation in the State, the District's Sudden Valley WTP is one of three that has met all regulatory requirements since the TOP's inception (25 consecutive years). To recognize this accomplishment, DOH Regional Engineer, Laura McLaughlin, will present the TOP Quarter Century Award to the District.

FISCAL IMPACT

No fiscal impact is anticipated.

APPLICABLE EFFECTIVE UTILITY MANAGEMENT ATTRIBUTE(S)

Product Quality

RECOMMENDED BOARD ACTION

None.

PROPOSED MOTION

Not applicable.



**AGENDA
BILL
Item 6.B**

**Resolution No. 909
Whatcom County Hazard
Mitigation Plan**

DATE SUBMITTED:	October 21, 2026	MEETING DATE:	October 28, 2026
TO: BOARD OF COMMISSIONERS	FROM: Justin Clary, General Manager		
GENERAL MANAGER APPROVAL			
ATTACHED DOCUMENTS	1. Resolution No. 909		
	2. District-specific Section, Whatcom County Hazards Mitigation Plan (07.31.2026)		
TYPE OF ACTION REQUESTED	RESOLUTION ☒	FORMAL ACTION/ MOTION ☐	INFORMATIONAL/ OTHER ☐

BACKGROUND / EXPLANATION OF IMPACT

The Federal Emergency Management Agency (FEMA) of the U.S. Department of Homeland Security encourages counties and their local governments to maintain natural hazard mitigation plans specific to their region and operations so that those agencies are better prepared for when a disaster occurs. An incentive for maintaining a FEMA-approved natural hazard mitigation plan, beyond emergency preparedness, is that those participating agencies are eligible for FEMA grant funding (the District's Division 7 reservoir replacement project was primarily funded through a FEMA hazard mitigation grant, and several other infrastructure projects planned for construction in the coming years are being funded by HMGs).

The District, in partnership with Whatcom County and several other local governments in the county, first developed a county-specific natural hazard mitigation plan in 2005, which has been updated every five years since in accordance with FEMA requirements. The current plan was adopted in 2021 (the District adopted its section of the plan via Resolution No. 878 during its November 10, 2021, regularly scheduled meeting).

With recent receipt of FEMA's *plan approvable pending adoption* status, the next step in the plan finalization process is the adoption of the plan by each of the participating agencies. Once that is complete, FEMA will grant final approval of the plan. Resolution No. 909 and the District's section of the draft plan are attached. The draft countywide plan has not been attached due to size constraints (1,185 pages) but is available for review on the County's website [here](#).

FISCAL IMPACT

No fiscal impact is anticipated with adoption of the hazard mitigation plan. Plan adoption will extend District eligibility for receipt of future FEMA grant funding supporting eligible capital projects.

APPLICABLE EFFECTIVE UTILITY MANAGEMENT ATTRIBUTE(S)

Enterprise Resiliency

RECOMMENDED BOARD ACTION

Staff recommends that the Board adopt the update to the hazard mitigation plan.

PROPOSED MOTION

A recommended motion is:

“I move to adopt Resolution No. 909, as presented.”

**LAKE WHATCOM WATER AND SEWER DISTRICT
RESOLUTION NO. 909**

A Resolution of the Board of Commissioners
Adopting the Whatcom County Hazards Mitigation Plan Update

WHEREAS, the Lake Whatcom Water and Sewer District (“District”) is a special purpose district located in Whatcom County, Washington State authorized under Title 57 Revised Code of Washington; and

WHEREAS, the Federal Emergency Management Agency (“FEMA”) of the U.S. Department of Homeland Security encourages counties and their local governments to prepare and regularly update hazard mitigation plans specific to their region and operations; and

WHEREAS, the purpose of hazard mitigation plans is to facilitate a net reduction in the loss of life and property due to natural disasters and to enable the quick implementation of mitigation measures in the event of a natural disaster; and

WHEREAS, local governments such as the District must have a FEMA-approved local mitigation plan in place to qualify for project grants under various federal hazard mitigation assistance programs; and

WHEREAS, the Whatcom County Hazards Mitigation Plan (the “Plan”), which includes a section specific to the District, was originally adopted by Whatcom County, the District and several other local public entities in 2005; and

WHEREAS, the specific mitigation measures addressed by the District cover a variety of potential hazards including earthquakes, flooding, wildfires, severe winter weather and windstorms; and

WHEREAS, every five years the Plan has been updated by Whatcom County and participating agencies, and resubmitted to FEMA for approval; and

WHEREAS, the Board of Commissioners have previously adopted Resolution Nos. 703, 776, 818, and 878, which adopted updates to the Plan; and

WHEREAS, in early 2026, the Whatcom County Division of Emergency Management initiated the process of updating the Plan; and

WHEREAS, the outcome of the update effort resulted in submittal of a new revision of the Plan to FEMA, which provided its approval on September 2, 2026; and

WHEREAS, the foregoing recitals are a material part of this Resolution;

NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners of the Lake Whatcom Water and Sewer District, Whatcom County, Washington as follows:

Section 1. The Whatcom County Hazards Mitigation Plan, dated July 31, 2026, is adopted in its entirety.

Section 2. Any resolutions or parts of resolutions in conflict herewith are hereby repealed insofar as they conflict with the provisions of this Resolution.

Section 3. If any section, subsection, sentence, clause or phrase of this Resolution is for any reason held to be invalid or unconstitutional, such decision shall not affect the validity of the remaining portions of this Resolution. The Board of Commissioners hereby declare that it would have passed this Resolution and each section, subsection, sentence, clause and phrase thereof, irrespective of the fact that any one or more sections, subsections, sentences, clauses or phrases has been declared invalid or unconstitutional, and if, for any reason, this Resolution should be declared invalid or unconstitutional, then the original resolution or resolutions shall be in full force and effect.

Section 4. This Resolution shall be effective immediately.

ADOPTED by the Board of Commissioners of Lake Whatcom Water and Sewer District, Whatcom County, Washington, at a regular meeting thereof, on the 28th day of October, 2026.

Todd Citron, President, Board of Commissioners

ATTEST:

Rachael Hope, Recording Secretary

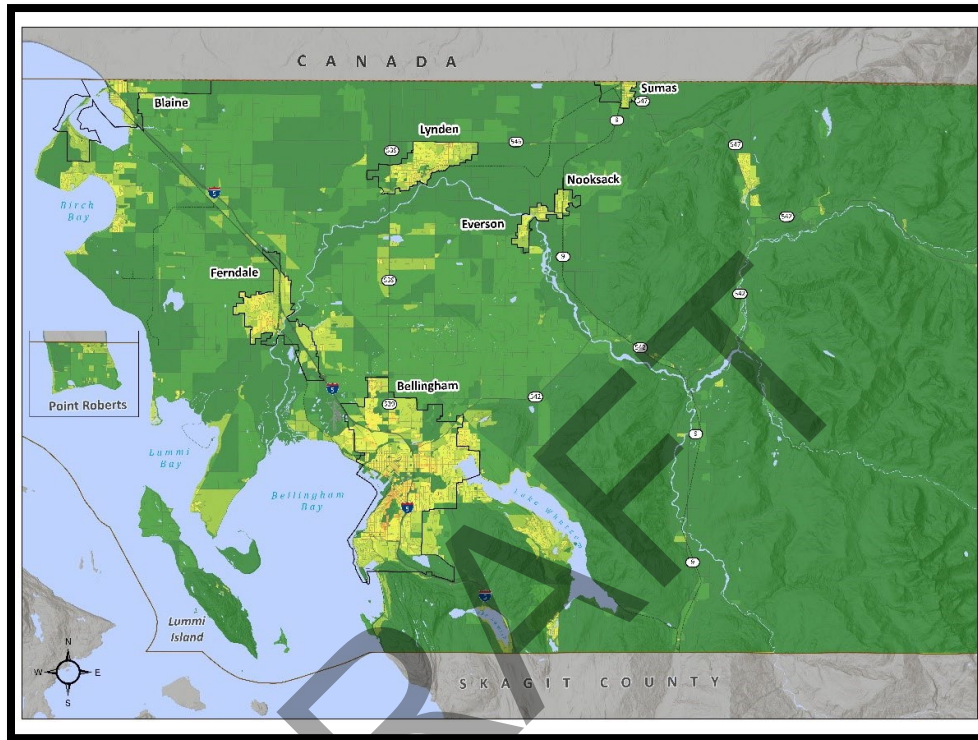
APPROVED AS TO FORM:

Robert Carmichael, District Legal Counsel



Whatcom County

Hazards Mitigation Plan



**A MULTI-HAZARD, MULTI-JURISDICTIONAL PLAN DEVELOPED FOR
THE BENEFIT OF ALL CITIZENS AND GOVERNMENTAL
JURISDICTIONS WITHIN WHATCOM COUNTY**

**Prepared by:
Whatcom County Sheriff's Office Division of Emergency Management**

LAKE WHATCOM WATER AND SEWER DISTRICT

Contact Information

Rich Munson
Safety Officer
1220 Lakeway Drive
Bellingham, WA 98229
360.734.9224 / 360.296.4590

Approving Authority

Board of Commissioners
Lake Whatcom Water and Sewer District
1220 Lakeway Drive
Bellingham, WA 98229
360.734.9224

Planning Process

The Lake Whatcom Water and Sewer District completed an update to the District-specific content contained in the prior (2021) Plan through District department head review and formal adoption by the Board of Commissioners. In addition, District staff participated in all coordination meetings hosted by the Whatcom County Sheriff's Office Division of Emergency Management, updated the District's critical facility information based upon facilities constructed or improved since 2021, and incorporated a 2026 asset valuation conducted on all District-owned facilities. The District performed public outreach throughout the planning process through routine staff updates on the revision progress during regularly scheduled Board meetings, inviting public participation through the District's social media accounts, and ultimately through resolution adoption by the District Board during a regularly scheduled public meeting.

Key Contributor List

- Justin Clary, General Manager
- Greg Nicoll, District Engineer
- Rich Munson, Safety Officer
- Jason Dahlstrom, Operations & Maintenance Manager

The information contained in the Hazards Mitigation Plan update regarding hazards, risks, vulnerability, and potential mitigation is based on the best available science and technology

currently available. This information and related data on natural hazards potentially impacting the Lake Whatcom Water and Sewer District will be used as a tool when the District updates other plans and programs, such as the following:

- American Water Infrastructure Act (AWIA) -compliant Emergency Response Plan
- Business Continuity Plan
- Comprehensive Sewer Plan
- Water System Comprehensive Plan
- Water and Sewer Utility Capital Improvement Programs

As additional information becomes available from other planning sources that can enhance this Plan, that information will be incorporated through the periodic update process.

DRAFT

Plan Maintenance for Lake Whatcom Water & Sewer District

For each Whatcom County-led Plan revision, the District will review and revise District-specific content, perform public outreach via applicable avenues, and undergo formal Board of Commissioner adoption of the revised Plan during a regularly scheduled public meeting.

Public Outreach and Education

Program	Yes/No, Year Adopted	Description
Nonprofit organizations or local residents groups focused on hazard mitigation, emergency preparedness, vulnerable populations, etc.	No	not applicable
Ongoing public education or information programs	Yes	Periodic posts to District Facebook and web pages providing emergency preparedness information; periodic presentation to Sudden Valley Community Assoc. board regarding capital project and operational information
School-related programs for natural hazard safety	No	not applicable
Public education or information program	Yes	Water conservation education to limit system capacity impacts; semi-annual utility bill inserts on emergency and winter weather preparedness
StormReady certification	No	not applicable
Firewise Community certification	No	not applicable
Public-Private Partnership initiatives addressing disaster-related issues	No	not applicable
Other	none	not applicable

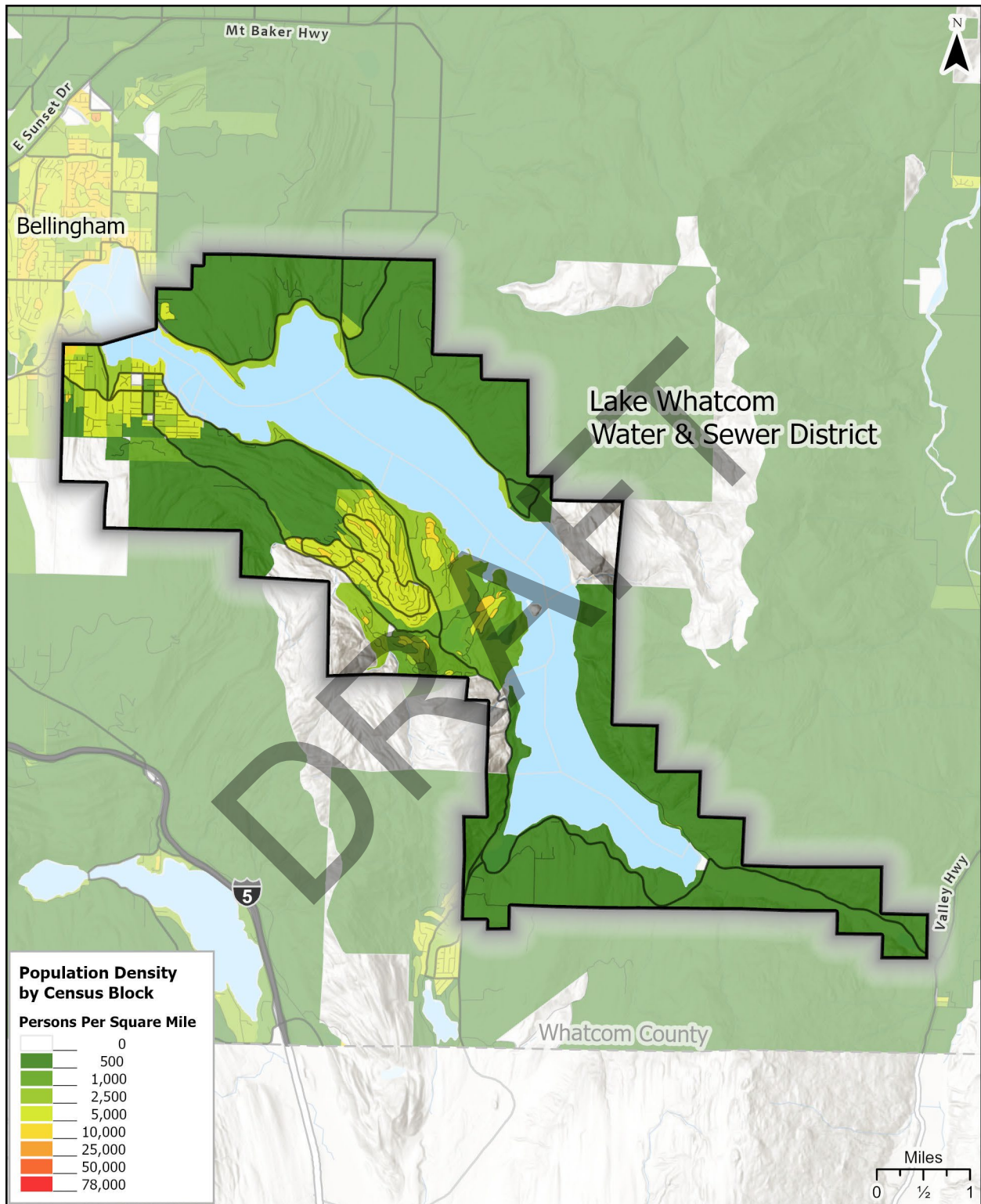
Overview of Lake Whatcom Water & Sewer District, Hazards, and Assets

Geography of Lake Whatcom Water & Sewer District

District Population	10,708 (2020 US Census)
Total area	18 sq. mi.

This map displays the service area for the Lake Whatcom Water and Sewer District, as defined in the resolution adopted by the Whatcom County Board of Commissioners on November 21, 1968, that created the District.

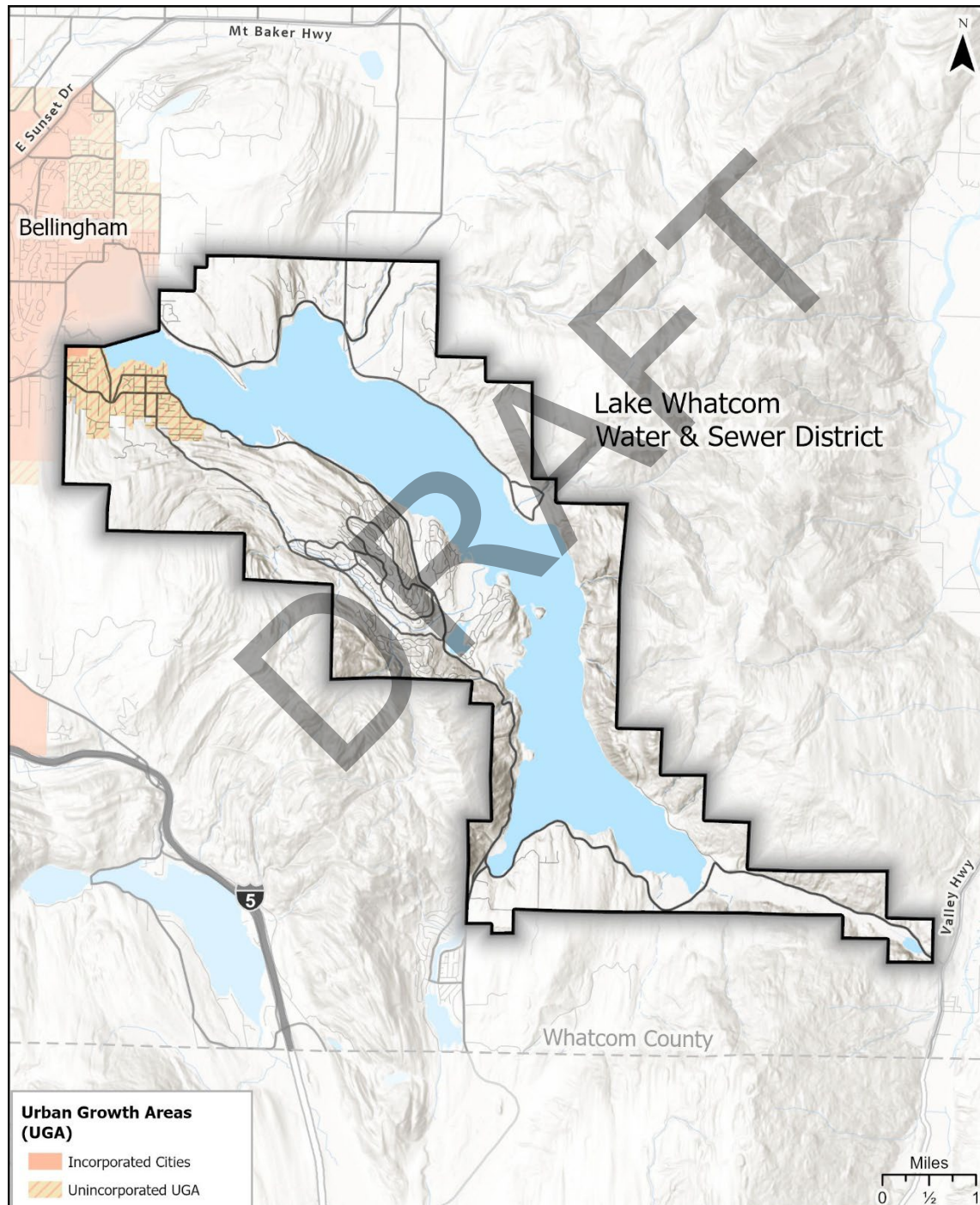
DRAFT



Washington State Office of Financial Management (OFM) 2020 population

Growth Trends

The District's service area includes the Sudden Valley LAMIRD (*limited area of more intense rural development* land use designation in Whatcom County Code, but not shown on this map). The majority of growth within the District since the last Plan update, as well as future growth projections, occur in the Sudden Valley LAMIRD.



Presence of Hazards and their Impacts in the Lake Whatcom Water & Sewer District

Throughout its nearly 60-year existence, the District has had limited impact to its services and/or infrastructure caused by natural hazard-related events, with those that have occurred being landslides and riverine flooding caused by severe storm events. Of those events that have impacted District services, all have been ephemeral, lasting no more than a couple days, with services typically restored within 24 hours.

With the District wholly located within the environmentally sensitive Lake Whatcom Watershed, land use restrictions have been adopted within the Whatcom County Comprehensive Plan and Whatcom County Code to limit further development within the watershed. As a result, the District has experienced relative low growth over the last decade, with much of the growth occurring in the Sudden Valley. While the topography of Sudden Valley is largely comprised of lands classified as steep slopes (greater than 15%), all development has occurred on existing parcels served by existing District infrastructure. As a result, there has been limited need for infrastructure expansion projects that required incorporation of natural hazard-resilient measures.

The table below lists the major hazards that affect Whatcom County. The second column provides the percentage of the Lake Whatcom Water and Sewer District's total area that is exposed to each hazard. The third column indicates the severity of anticipated impacts to community function, considering the credible worst-case hazard scenario. Severity of anticipated impacts considers effects on basic community function such as shelter, transportation, utilities, commerce, industry, agriculture, education, health, recreation, and cultural identity. Severity ranges from none to extreme, as shown in the key below the table. Finally, the last column of the table describes where the hazard impacts the community and which services the hazard would most significantly impact.

	Hazard	% area Exposed	Severity of Anticipated Impacts	Hazard Descriptions
Geological	Earthquake	100%	High	All land susceptible to seismic shaking. Anticipated loss of water/sewage systems for weeks to months, with potential for release of untreated sewage to Lake Whatcom.
	Liquefaction	14.03%	Mod	Areas susceptible to liquefaction are primarily limited to the areas immediately surrounding the mouths of Austin, Carpenter, Olson and Smith creeks (alluvial deposits). Infrastructure in these areas is relatively limited (water/sewer pipelines and 5 sewer lift stations), all of which could be damaged, resulting in a loss of service to some customers.
	Landslide	6.03%	Mod	Areas susceptible to landslide are primarily limited to the Sudden Valley area where slopes are predominately 15% or greater. Landslides could impact (or access to) critical infrastructure, including water/sewer pipelines, water pump stations and reservoirs, and sewer lift stations.
	Alluvial Fan	5.03%	Low	N/A
	Volcano	0%	Low	Unlikely that a lahar from a major eruption would enter the service area; however, ash fallout could impact lake water quality (drinking water source).
	Tsunami	0%	None	Not within a tsunami inundation zone.
	Mine Hazards	0.72%	None	No known mines are located within the service area.
	Flooding	33.55%	Mod	Prolonged periods of precipitation may create significant flows in Austin, Beaver, Carpenter, Olson and Smith creeks that could impact (or access to) infrastructure. An example includes the 1983 flood event that resulted in Austin Creek washing out bridges and a District water main.
Hydro-logical				

Meteorological	Wildfire	45.13%	Mod	Much of service area is forested, including areas of development. As is indicated in the Wildland-Urban Interface map, much of the District's critical infrastructure could be impacted by wildfires.
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Severity Scale: **None** = no impact to community function

Low = minor degradation of community functions, not widespread

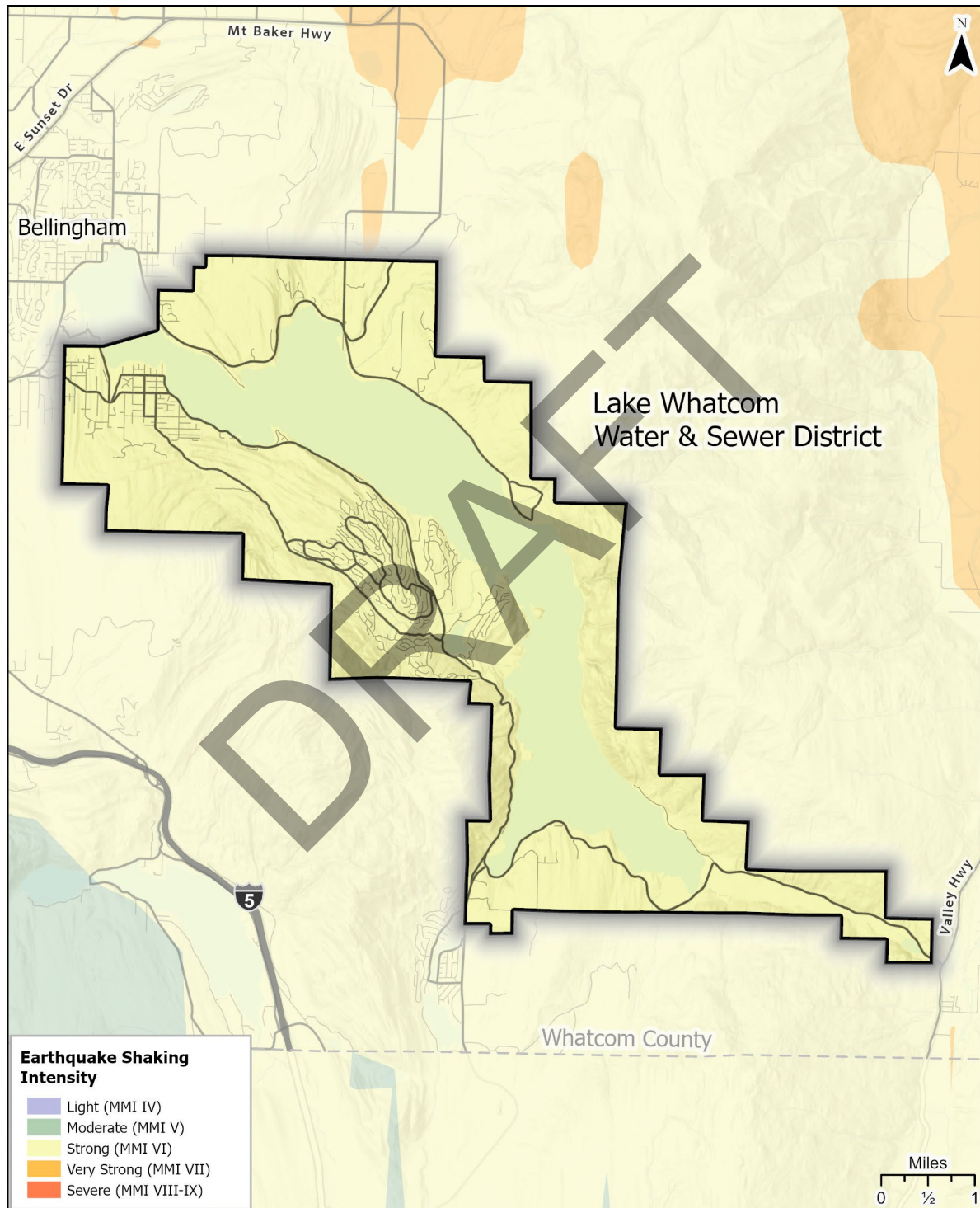
Moderate = moderate degradation over multiple weeks or widespread

High = degradation or loss over many weeks, widespread

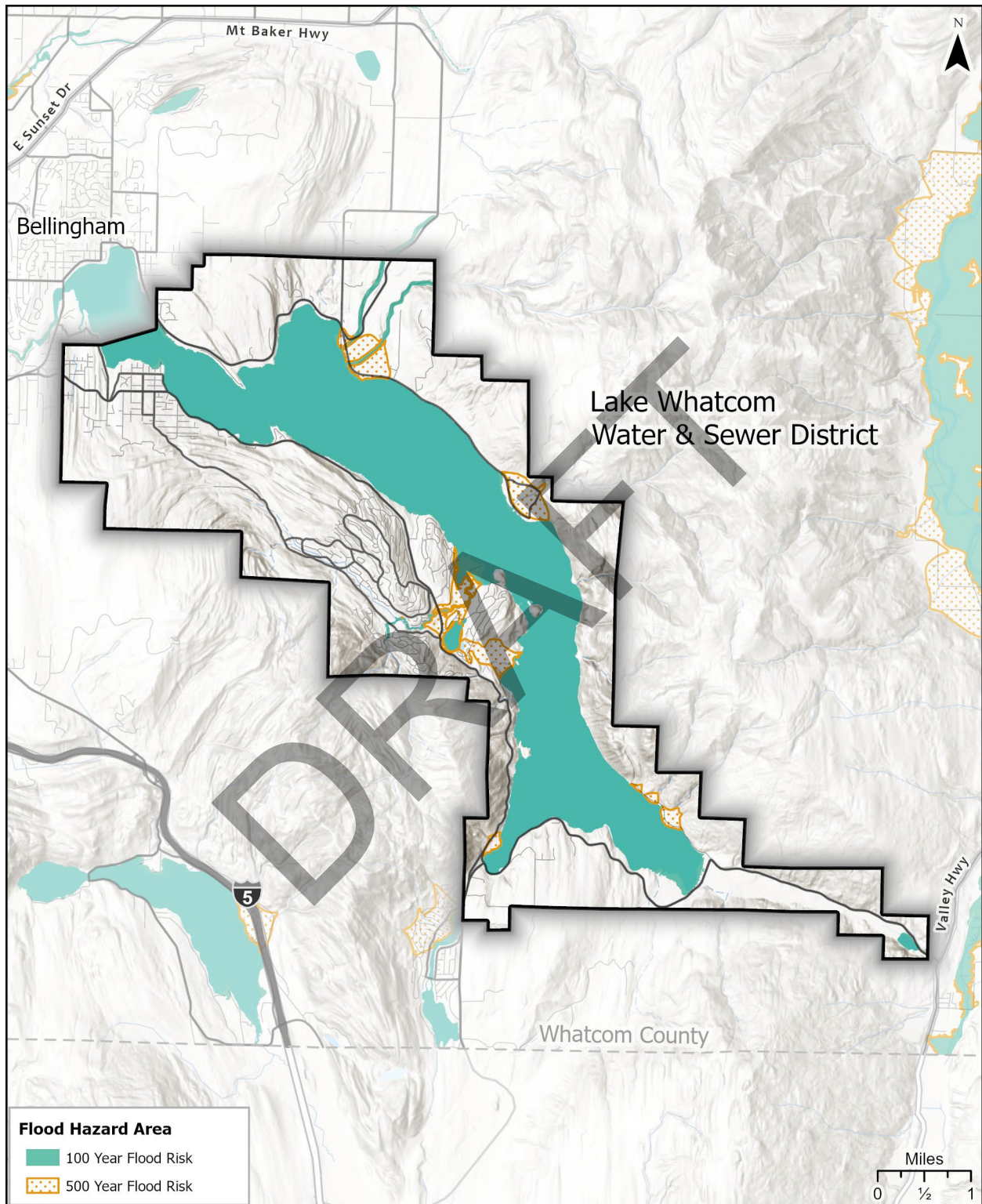
DRAFT

Natural Hazard Maps

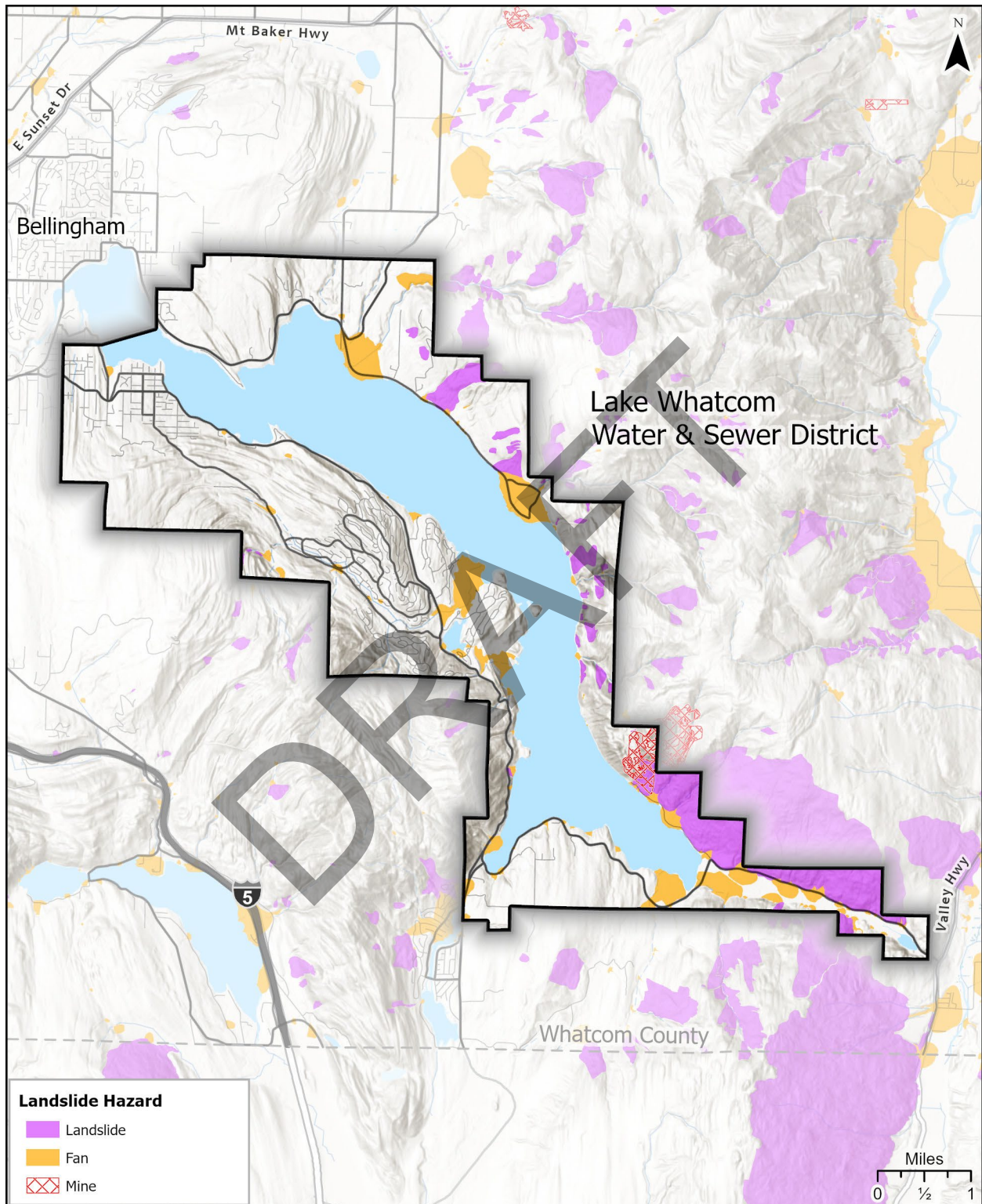
The following figures depict the natural hazards present within the jurisdiction.



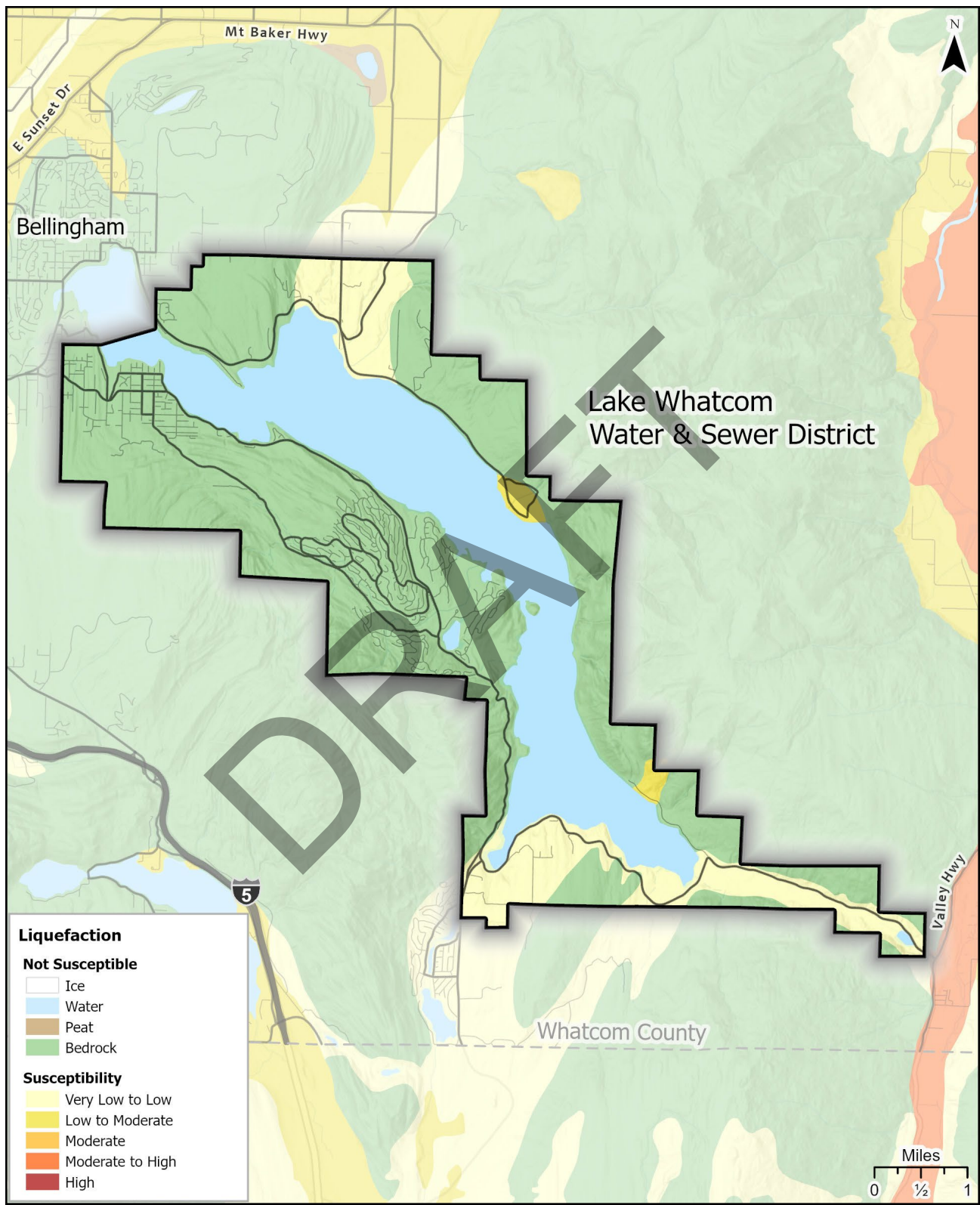
Washington Department of Natural Resources (WA DNR) 2017 Boulder Creek Fault Zone seismic scenario of magnitude 6.8 data. Displays extent and severity of the modeled earthquake in the Modified Mercalli Intensity (MMI) scale.



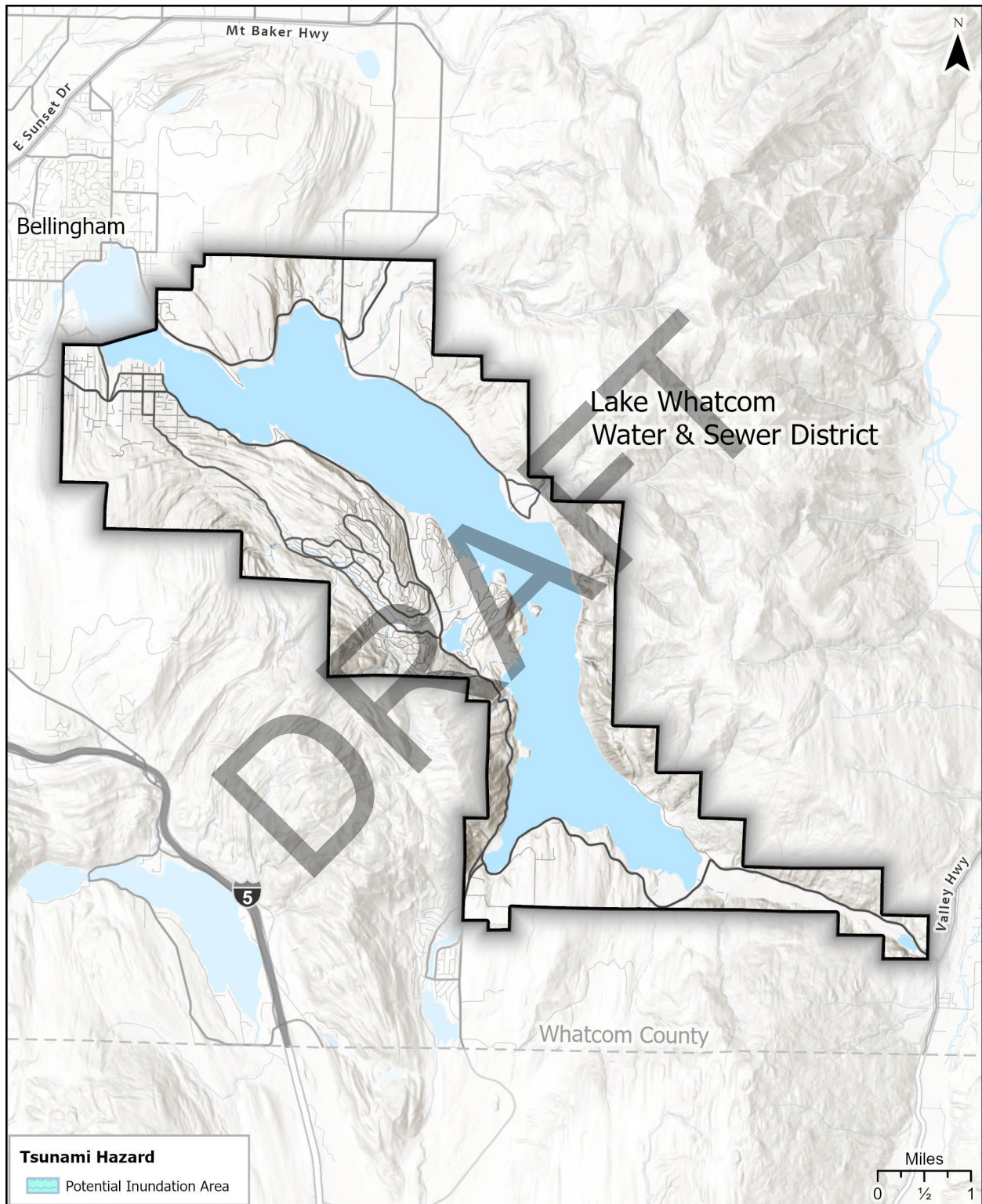
Combined FEMA 2019 and 2025 preliminary flood hazard data showing 100-year flooding, 500-year flooding, floodways, and flood zones. FEMA flood data includes both riverine and coastal flooding.



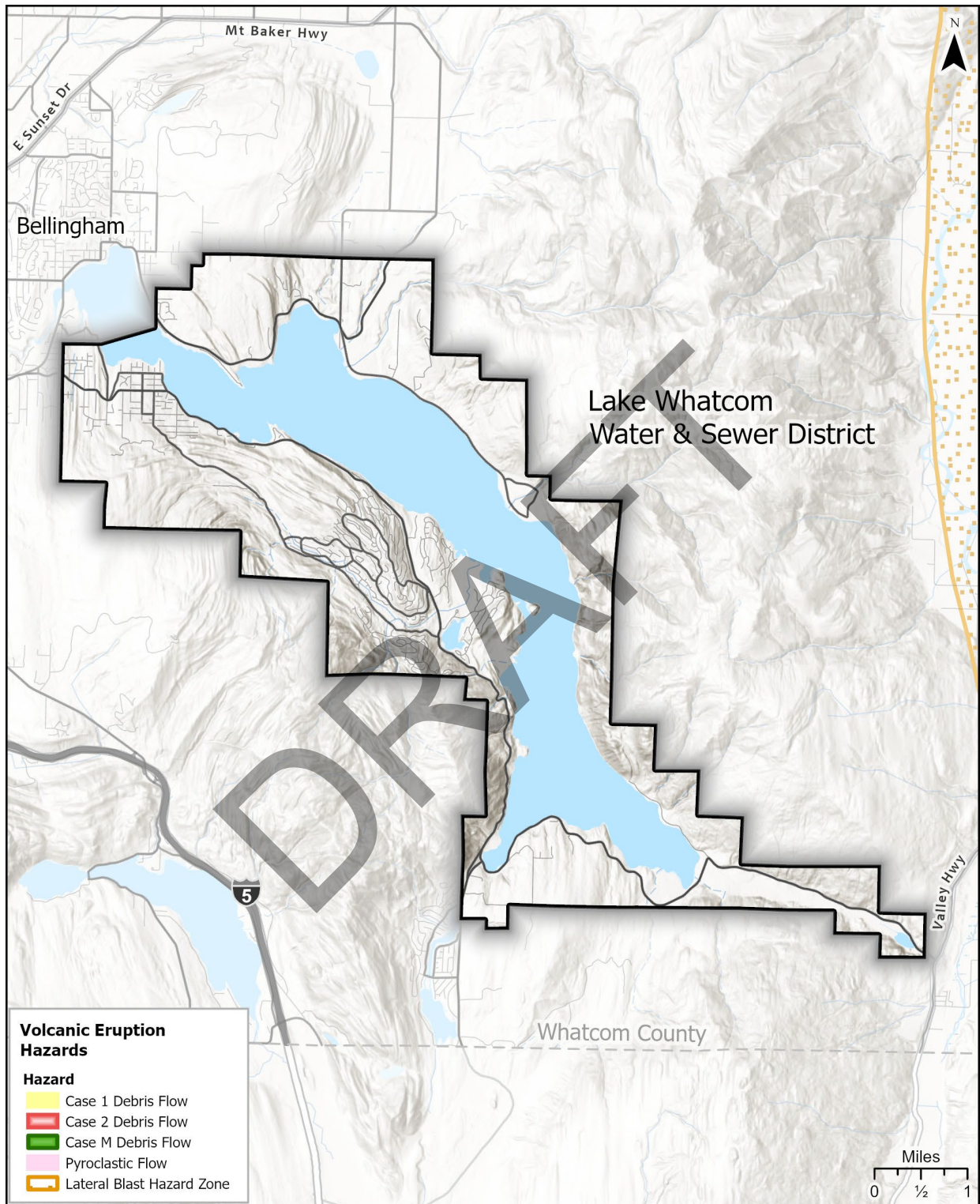
Washington Geological Survey (WGS) 2020 Washington landslide inventory data compiled following streamline landslide mapping protocol (SLIP). SLIP was developed by the WGS's Landslide Hazards Program to help geologists rapidly map landslide landforms from lidar. This data shows both detailed mapping and SLIP landslide data.



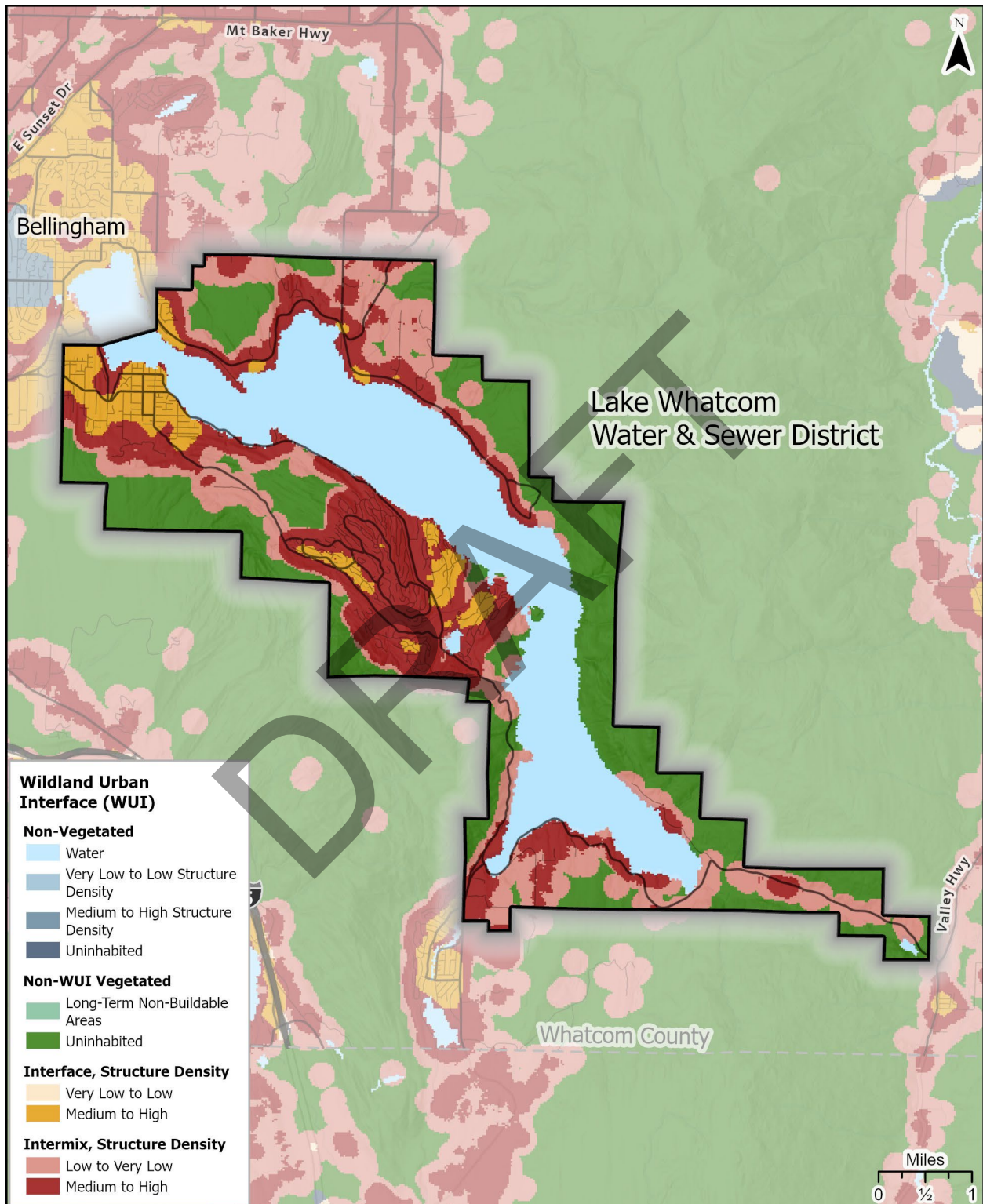
Washington Department of Natural Resources (WA DNR) 2010 liquefaction susceptibility data. This feature class is part of a geodatabase that contains statewide ground response data for Washington State.



No tsunami hazard for Lake Whatcom Water and Sewer District.



USGS Hazards from Future Activity of Mount Baker, WA (1995) data shows different volcanic flows. Case M flows originate as large avalanches of hydrothermally altered rock. Case 1 debris flows are non-cohesive flows related to melting of snow and ice, with a recurrence of 500 years. Case 2 debris flows are cohesive flows from small debris avalanches, with a recurrence of 100 years.



Washington Department of Natural Resources (WA DNR) 2019 mapped data of Washington's Wildland Urban Interface (WUI). The WUI displays areas of WA where structures and wildland overlap with specific structure densities.

Lake Whatcom Water & Sewer District Critical Facility List

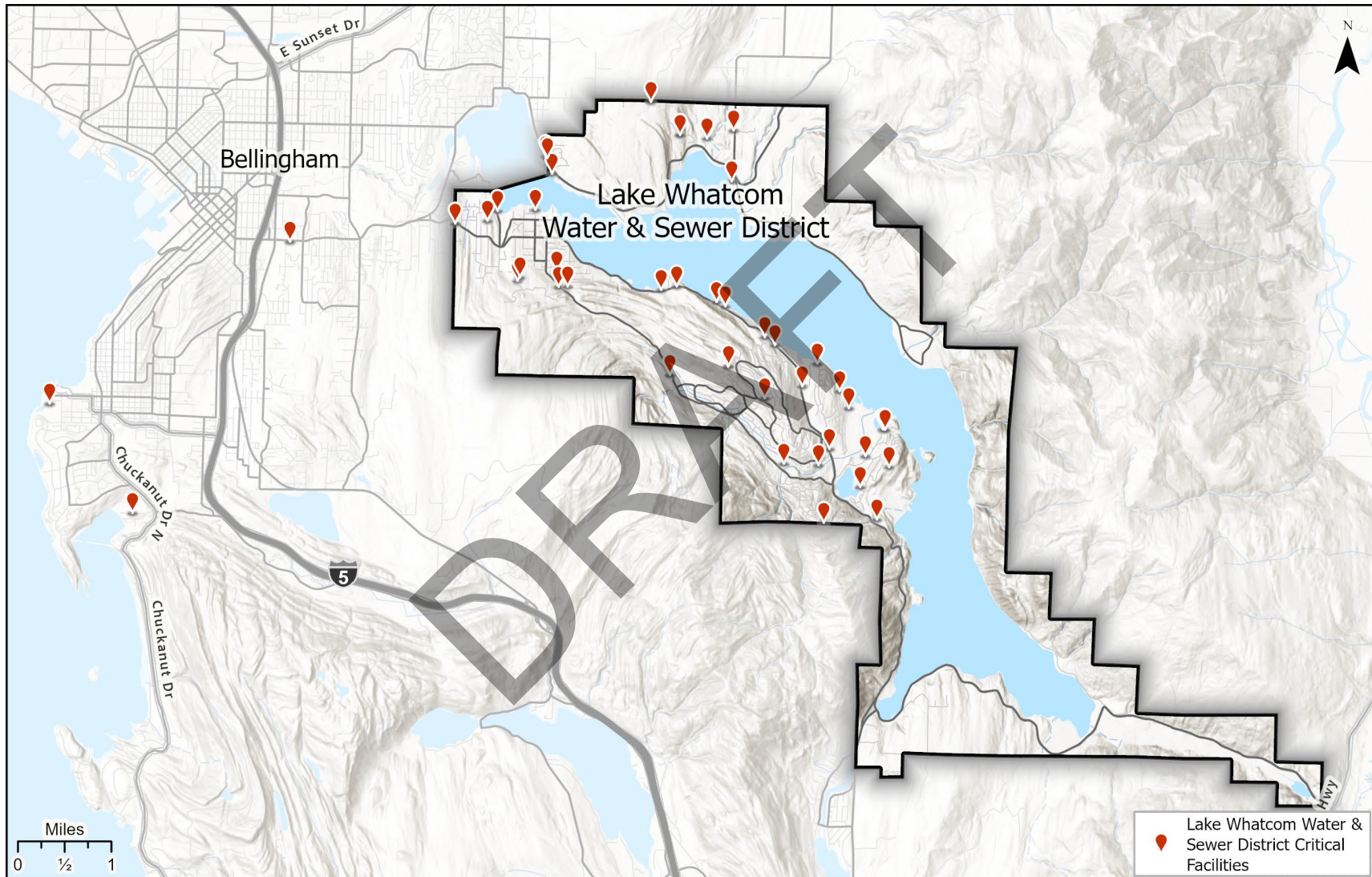
Facility Name	Facility Type	Significance	Description
Afternoon Beach Lift Station	EF	3	Wastewater
Agate Bay Lift Station	EF	3	Wastewater
Agate Heights Booster Station	EF	2	Water
Agate Heights Reservoir	EF	3	Water
Agate Heights Water Treatment Plant/Well Site	EF	3	Water
Airport Lift Station	EF	2	Wastewater
Austin Lift Station	EF	1	Wastewater
Beaver Lift Station	EF	3	Wastewater
Beecher Booster Station	EF	1	Water
Bellingham Post Point Resource Recovery Plant	EF	3	Water
Boulevard Lift Station	EF	1	Wastewater
Cable Street Lift Station	EF	3	Wastewater
Camp Firwood Lift Station	EF	1	Wastewater
Coronado Booster Station	EF	1	Water
Dellesta Lift Station	EF	1	Wastewater
Division 22 Reservoir No. 1	EF	3	Water
Division 22 Reservoir No. 2	EF	3	Water
Division 30 Reservoir	EF	3	Water
Division 7 Reservoir No. 1	EF	3	Water
Eagleridge Booster Station	EF	1	Water
Edgewater Lift Station	EF	1	Wastewater
Euclid Lift Station	EF	2	Wastewater
Flat Car Lift Station	EF	3	Wastewater
Geneva Intertie	EF	3	Water
Geneva Lift Station	EF	2	Wastewater
Geneva Reservoir	EF	3	Water
Johnson Well Site	EF	1	Water
Lake Louise Lift Station	EF	2	Wastewater
Lake Whatcom Water Sewer District Administration Building	EF, LUS	3	Water
Lakewood Lift Station	EF	1	Wastewater
Lowe Lift Station	EF	1	Wastewater
LWRTC Reservoir	EF	3	Water
Maintenance Facility	EF	2	Government
Marina Lift Station	EF	1	Wastewater
North Point Lift Station	EF	3	Wastewater

Par Lift Station	EF	1	Wastewater
Plum Lift Station	EF	2	Wastewater
Ranch House Lift Station	EF	3	Wastewater
Rocky Ridge Lift Station	EF	1	Wastewater
South Geneva Booster Station	EF	1	Water
Strawberry Canyon Lift Station	EF	2	Wastewater
Strawberry Point Lift Station	EF	1	Wastewater
Sudden Valley Lift Station	EF	3	Wastewater
Sudden Valley Water Treatment Plant/Chlorine Contact Reservoir	EF	3	Water
Sudden Valley WTP Booster Station	EF	3	Water
Tomb Lift Station	EF	1	Wastewater

Facility Type: EF = Essential Facility; HMF = Hazardous Materials Facility; HPL = High Potential Loss; LUS = Lifeline Utility System

Significance to community function: 1=Moderate; 2= High; 3 =Very High

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Map of critical facilities identified by the Lake Whatcom Water & Sewer District.

Areas and Assets Exposed, Per Hazard

Lake Whatcom Water and Sewer District Exposure to Natural Hazards						
	Hazard Susceptibility	Percent of Total				Critical Facilities Estimated Value, When Available (Dollars)
		Area	Population	Parcels (of total count)	Critical Facilities (of total count)	
Geological Hazards	Earthquake, Shaking Intensity					
	MMI IV - Light	0.00%	0.00%	0.00%	0.00%	\$0
	MMI V - Moderate	0.00%	0.00%	0.00%	2.17%	\$886,739
	MMI VI - Strong	100.00%	100.00%	100.00%	97.83%	\$71,973,299
	MMI VII - Very strong	0.00%	0.00%	0.00%	0.00%	\$0
	MMI VIII - IX - Severe to violent	0.00%	0.00%	0.00%	0.00%	\$0
	TOTAL	100.00%	100.00%	100.00%	100.00%	\$72,860,038
	Liquefaction					
	Very Low to Low	13.01%	5.43%	9.04%	8.70%	\$3,884,432
	Low to Moderate	1.02%	0.44%	1.05%	0.00%	\$0
	Moderate	0.00%	0.00%	0.00%	0.00%	\$0
	Moderate to High	0.00%	0.00%	0.00%	2.17%	\$886,739

<i>High</i>	0.00%	0.00%	0.00%	0.00%	\$0
TOTAL	14.03%	5.87%	10.09%	10.87%	\$4,771,171
Landslide					
<i>Existing</i>	6.03%	0.38%	1.74%	0.00%	\$0
Alluvial Fans					
<i>Existing</i>	5.03%	5.39%	8.92%	2.17%	\$1,125,509
Mine Hazard					
<i>Existing</i>	0.72%	0.02%	0.04%	0.00%	\$0
Volcanic Eruption*					
<i>Case 1 Debris Flows</i>	0.00%	0.00%	0.00%	0.00%	\$0
<i>Case 2 Debris Flows</i>	0.00%	0.00%	0.00%	0.00%	\$0
<i>Case M Flows</i>	0.00%	0.00%	0.00%	0.00%	\$0
<i>Pyroclastic Flows, Lava Flows, and Ballistic Debris</i>	0.00%	0.00%	0.00%	0.00%	\$0
<i>Lateral Blast Hazard Zone</i>	0.00%	0.00%	0.00%	0.00%	\$0
Tsunami					
<i>Inundated</i>	0.00%	0.00%	0.00%	2.17%	\$6,254,284
Flooding*					

Hydrological	100-year Flood	30.91%	6.23%	13.78%	13.04%	\$17,269,436
	500-year Flood	2.64%	3.75%	5.74%	4.35%	\$1,794,118
Meteorological Hazards	Wildfire Zones					
	Interface Very Low-Low Structure Density	0.00%	0.00%	0.00%	0.00%	\$0
	Interface Medium-High Structure Density	5.60%	32.10%	24.25%	26.09%	\$21,790,406
	Intermix Very Low-Low Structure Density	17.35%	5.61%	4.09%	6.52%	\$3,705,411
	Intermix Medium-High Structure Density	22.18%	53.74%	66.04%	56.52%	\$31,001,642
	TOTAL	45.13%	91.45%	94.38%	89.13%	\$56,497,459

*Areas within these categories might overlap. Therefore, a section total is not provided.

Status of Lake Whatcom Water & Sewer District's 2021-2025 and Ongoing Hazard Mitigation Actions

This section describes the status of mitigation actions that were proposed in the 2021 Mitigation Plan or were mitigation actions engaged in during the 2021-2025 plan, though not originally proposed, and are now:

- 1) currently being implemented and are ongoing,
- 2) are now completed, or
- 3) are now discontinued because they are no longer needed.

The actions are organized by hazard and indicate the lead agency, funding source, and status.

Lead Agency	May be more than one lead agency indicating shared responsibility and coordination
Funding Source	Local; State; Federal; Private; Other
Current Status	Action Discontinued / Action Completed / Action ongoing and expected completion date

Prefixes with a letter following denote an ongoing action. Prefixes with a number following denote an action item initiated during the 2021-2025 timeframe.

General: All Hazards

G-a. Emergency plan updates – The Lake Whatcom Water and Sewer District's current revision to its Emergency Management Plan was completed in 2019 to comply with the requirements of the federal America's Water Infrastructure Act of 2018 (AWIA). Revision to the Emergency Response Plan will be completed by the December 31, 2026 AWIA deadline.

Lead Agency	Lake Whatcom Water and Sewer District
Funding Source	Local
Current Status	Ongoing

G-b. Provide for an increased level of protection for public infrastructure – As owner/operator of water and sewer systems providing essential public services, the Lake Whatcom Water and Sewer District annually allocates funding toward system reinvestment projects that enhance system resiliency and/or redundancy in preparation for unforeseen events. Improvements completed since issuance of the 2021 Plan include: replacing the Division 7 reservoir with two new reservoirs meeting current seismic standards and outfitted with the ShakeAlert® earthquake early detection system, installing standby generators at the Euclid sewer lift station

and South Geneva water booster station, and implementing Firewise measures at various facilities. The District also completed design of a new chlorine contact basin at the District Sudden Valley Water Treatment Plant (SVWTP), a new Division 22-1 reservoir, and seismic upgrades to the Geneva reservoir and SVWTP transmission pump house.

Lead Agency	Lake Whatcom Water and Sewer District
Funding Source	Local sources, and state and federal grants
Current Status	Perpetual

Education and Outreach

EO-a. Utility bill inserts – On a semi-annual basis, the District includes educational materials related to emergency preparedness and winter-weather preparedness within utility bills.

Lead Agency	Lake Whatcom Water and Sewer District
Funding Source	Local
Current Status	Annual

Drought/Heat Wave

D-a. Monitor water supply – As required under its water system operating permits, the Lake Whatcom Water and Sewer District records daily volumes of water treated, distributed, consumed and lost within each of its three Group A water systems.

Lead Agency	Lake Whatcom Water and Sewer District
Funding Source	Local
Current Status	Perpetual

D-b. Educate residents on water saving techniques – The District maintains water conservation tips on its website and regularly provides water conservation information via posts to its social media accounts, messages on the District office reader board, and via utility bill inserts. The District is an active member of the Whatcom Water Alliance, whose mission is to promote standardized water conservation messaging countywide.

Lead Agency	Lake Whatcom Water and Sewer District
Funding Source	Local
Current Status	Perpetual

D-1. Require water conservation during drought conditions – During periods of a State-declared drought for the region, the District requests water conservation by its customers via social media posts and placement of temporary signage at entrances to neighborhoods.

Lead Agency	Lake Whatcom Water and Sewer District
Funding Source	Local
Current Status	Perpetual

D-2. Install raw water bypass for low lake level conditions – No progress; completion is dependent upon external funding.

Lead Agency	Lake Whatcom Water and Sewer District
Funding Source	State and federal grants
Current Status	Long-range

Earthquake

EQ-c. Seismic resistant water reservoirs – Constructed two 0.24 MG water reservoirs (Division 7-1 and -2) in 2025 that meet current seismic standards to replace an outdated water reservoir and completed design for replacement of existing Division 22-1 water reservoir, replacement of the SVWTP chlorine contact basin, and seismic upgrades to the 0.5 MG Geneva reservoir.

Lead Agency	Lake Whatcom Water and Sewer District
Funding Source	Local sources, and state and federal grants
Current Status	Ongoing

EQ-e. Seismic resilient reservoir system – Replaced existing Division 7 water reservoir with two new water reservoirs outfitted with ShakeAlert®-controlled valving to automatically shut off flows from one of the reservoirs during a seismic event (to preserve water from loss due to anticipated water main breaks).

Lead Agency	Lake Whatcom Water and Sewer District
Funding Source	Local sources, and state and federal grants
Current Status	Ongoing

EQ-1. Seismic retrofit of existing water reservoirs – Completed design of seismic retrofit of the 0.5 MG Geneva water reservoir.

Lead Agency	Lake Whatcom Water and Sewer District
Funding Source	Local sources, and state and federal grants
Current Status	Ongoing

EQ-2. Replace water mains with seismically resistant piping – This action is anticipated beyond current capital improvement program timelines and is reliant on external funding sources.

Lead Agency	Lake Whatcom Water and Sewer District
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Funding Source	Local sources, and state and federal grants
Current Status	Long-range

EQ-3. Seismic retrofit of existing pumping stations; install ShakeAlert® system controls – The District completed design of seismic upgrades to the SVWTP booster pump station and installed ShakeAlert® system controls at the North Point sewer lift station.

Lead Agency	Lake Whatcom Water and Sewer District
Funding Source	Local, and state and federal grants.
Current Status	Ongoing

EQ-4. Anchorage of critical facilities: pumps, electronics, communications – The District installed a new seismically anchored alum dosing tank in the SVTWP and completed design to seismically anchor various electrical and mechanical equipment within the SVWTP booster pump station.

Lead Agency	Lake Whatcom Water and Sewer District
Funding Source	Local sources, and state and federal grants
Current Status	Ongoing

Extreme Temperature

No actions ongoing, discontinued, or completed for this hazard.

Flooding

F-1. Protect infrastructure (harden infrastructure at bridge and dam crossings) – This action is anticipated beyond current capital improvement program timelines and is reliant on external funding sources.

Lead Agency	Lake Whatcom Water and Sewer District
Funding Source	Local sources, and state and federal grants
Current Status	Long-range

F-2. Protect critical facilities (dry proof pumping stations) – This action is anticipated beyond current capital improvement program timelines and is reliant on external funding sources.

Lead Agency	Lake Whatcom Water and Sewer District
Funding Source	Local sources, state and federal grants
Current Status	Long-range

Landslide/Erosion

ER-a. Vulnerability assessment – In compliance with AWIA-required facility risk assessment, the District mapped and assessed the vulnerability of District infrastructure to landslide/erosion events.

Lead Agency	Lake Whatcom Water and Sewer District
Funding Source	Local sources
Current Status	Complete in 2026

ER-1. Protect Division 30 Reservoir – The District removed 21 hazard trees upslope of the reservoir in 2023.

Lead Agency	Lake Whatcom Water and Sewer District
Funding Source	Local sources, and state and federal grants
Current Status	Ongoing

Landslide Subsidence

LS-1. Protect critical facilities – This action is anticipated beyond current capital improvement program timelines and is reliant on external funding sources.

Lead Agency	Lake Whatcom Water and Sewer District
Funding Source	Local sources, and state and federal grants
Current Status	Long-range

Lightning

No actions ongoing, discontinued, or completed for this hazard.

Severe Storm

SS-1. Install backup generators at facilities – The District installed a backup generator at the Euclid sewer lift station and South Geneva water booster station in 2023.

Lead Agency	Lake Whatcom Water and Sewer District
Funding Source	Local sources, and state and federal grants
Current Status	Complete

Severe Wind

No actions ongoing, discontinued, or completed for this hazard.

Tornadoes

No actions ongoing, discontinued, or completed for this hazard

Tsunami

No actions ongoing, discontinued, or completed for this hazard.

Wildfire

WF-1. Firewise critical facilities – Whatcom Conservation District staff conducted Firewise-compliant audits of the District’s SVWTP, Division 30 water reservoir, and Beaver sewer lift station in 2022. Based upon knowledge gained from audit recommendations, District staff annually implement similar measures at other District facilities.

Lead Agency	Lake Whatcom Water and Sewer District
Funding Source	Local sources, and state and federal grants
Current Status	Ongoing

Winter storms/Freezes

WS-1. Install backup generators at facilities – The District installed a backup generator at the Euclid sewer lift station and South Geneva water booster station in 2023.

Lead Agency	Lake Whatcom Water and Sewer District
Funding Source	Local sources, and state and federal grants
Current Status	Complete

Multiple Hazards

No actions ongoing, discontinued, or completed for these hazards.

Advanced Mitigation Projects

No actions ongoing, discontinued, or completed for this opportunity.

Lake Whatcom Water & Sewer District 2026-2030 Hazard Mitigation Strategy

Whatcom County Hazard Mitigation Goals

Whatcom County has identified five overarching hazard mitigation goals, which represent what a community seeks to achieve through mitigation actions.

Goal 1. Protect Life, Property and Public Welfare

Goal 2. Increase Public Awareness

Goal 3. Preserve and Enhance Natural Systems

Goal 4. Encourage Partnerships for Implementation

Goal 5. Ensure Emergency Services

These countywide goals help guide any prioritization and implementation of mitigation actions, ensuring that the actions contribute to a community's vision for the future.

Lake Whatcom Water & Sewer District-Specific Hazard Mitigation Goals

Lake Whatcom Water and Sewer District adds to these county-wide goals, the following community-specific mitigation planning goals:

LWWSD Goal A: Ensure continuity of water and sewer services

LWWSD Goal B: Harden infrastructure to mitigate impact from seismic hazards

Mitigation Action Options

Appendix E of the Whatcom County Natural Hazard Mitigation Plan provides a list of mitigation options. Lake Whatcom Water and Sewer District considered mitigation options related to earthquake, liquefaction, landslide, volcanic, riverine flooding, severe wind, and wildfire hazards, especially those related to earthquakes because this hazard has the potential to cause the greatest loss and damage. Not all mitigation options in Appendix E were relevant or a strong priority for the District. Some options have already been implemented or are ongoing in the District, as documented in the section above on the status of 2021-2025 and ongoing hazard mitigation actions.

Mitigation Action Prioritization

The mitigation actions in this section are new actions that the Lake Whatcom Water and Sewer District has prioritized for the 2026-2030 planning period and beyond. Mitigation options were prioritized based upon review of the following two criteria:

1) The action's Overall Feasibility based on engineering, environmental, financial and political considerations,

2) The Criticality of the action, based upon a consideration of which actions had the greatest potential to protect life, property and public welfare.

In the following Identified Mitigation Actions 2026-2030 table, each priority action is listed by hazard. Each action is followed by planning goals, lead agency, the priority evaluation, timeline, funding source and estimated cost, where such information is available. This information can be used by local decision makers in pursuing strategies for implementation.

Goals	Indicates the hazard mitigation planning goal or goals this action addresses; countywide and/or community-specific Goal 1. Protect Life, Property and Public Welfare Goal 2. Increase Public Awareness Goal 3. Preserve and Enhance Natural Systems Goal 4. Encourage Partnerships for Implementation Goal 5. Ensure Emergency Services LWWSD Goal A: Ensure continuity of water and sewer services LWWSD Goal B: Harden infrastructure to mitigate impact from seismic hazards
Lead Agency	May be more than one lead agency indicating shared responsibility and coordination
Priority:	H (High); M (Medium); L (Low)
Timeline:	Short-Range (less than 2 years); Mid-Range (2-5 years); Long-Range (more than 5 years); Ongoing
Funding Source:	Local; State; FEMA; Private; Other
Estimated Cost:	Actual; Estimated

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Lake Whatcom Water & Sewer District Identified Mitigation Actions 2026-2030

Lake Whatcom Water & Sewer District IDENTIFIED MITIGATION ACTIONS 2026-2030							
MITIGATION ACTIONS		(1) Goals	(2) Lead Responsibility for Carrying out Measure	(3) Priorit y	(4) Timeline	(5) Funding Source	(6) Estimated Cost
Hazard	Action Items						
GENERAL: ALL HAZARDS	These are actions that inform and educate citizens, elected officials, and property owners about hazards and ways to mitigate them.						
	G-a. Emergency Plan Updates	1	LWWSD	M	O	Local	Staff
	G-b. Provide for an increased level of protection for public infrastructure	1	LWWSD	M	O	Local, State, Federal	Undefined
	G-c. Maintain emergency notification system (AlertSense)	1	LWWSD	M	O	Local	\$5,000/yr
Education and Outreach	EO-a Utility bill inserts	1, 2	LWWSD	M	O	Local	Staff
HAZARD SPECIFIC	Actions communities should consider to identify and evaluate a range of potential mitigation actions for reducing risk to natural hazards and disasters.						
Dam/Levee Failures	No applicable action items	-	-	-	-	-	-

**Lake Whatcom Water & Sewer District
IDENTIFIED MITIGATION ACTIONS 2026-2030**

MITIGATION ACTIONS		(1) Goals	(2) Lead Responsibility for Carrying out Measure	(3) Priorit y	(4) Timeline	(5) Funding Source	(6) Estimated Cost
Hazard	Action Items						
(See: Flooding)							
Drought	D-a Monitor water supply	1	LWWSD	M	O	Local	Staff
	D-b Educate residents on water saving techniques	2	LWWSD	M	O	Local	Staff
	D-1 Encourage water conservation during drought conditions	3, A	LWWSD	L	O	Local	Staff
Earthquakes	EQ-a Seismic resistant water reservoirs	1	LWWSD	L	O	Local, State, Federal	\$10,000,000
	EQ-b Seismic resilient reservoir system	1	LWWSD	L	O	Local, State, Federal	\$10,000,000
	EQ-1 Seismic retrofit of existing water reservoirs	1, 5, A, B	LWWSD	H	O	Local, State, Federal	\$5,000,000
	EQ-2 Replace water mains with seismically resistant piping	1, 5, A, B	LWWSD	L	L	Local, State, Federal	\$50,000,000
	EQ-3 Seismic retrofit of existing pumping stations; install ShakeAlert system controls	1, 5, A, B	LWWSD	H	S	Local, State, Federal	\$3,500,000

**Lake Whatcom Water & Sewer District
IDENTIFIED MITIGATION ACTIONS 2026-2030**

MITIGATION ACTIONS		(1) Goals	(2) Lead Responsibility for Carrying out Measure	(3) Priorit y	(4) Timeline	(5) Funding Source	(6) Estimated Cost
Hazard	Action Items						
	EQ-4 Anchorage of critical facilities: pumps, electronics, communications	1, 5, A, B	LWWSD	H	M	Local, State, Federal	\$3,000,000
	EQ-5 Backup raw water intake line	1, 5, A, B	LWWSD	H	M	Local, State, Federal	\$5,000,000
Extreme Heat	No applicable action items	-	-	-	-	-	-
Flooding	F-1 Protect Infrastructure Harden infrastructure at bridge and dam crossings	1, 5, A	LWWSD	L	L	Local, State, Federal	\$3,000,000
	F-2 Protect Critical Facilities Dry proof pumping stations	1, 5, A	LWWSD	L	L	State, Federal	\$500,000
Landslide/Erosion	ER-a Conduct vulnerability assessment	1	LWWSD	L	O	Local	Staff
	ER-1 Protect Division 30 Reservoir	1, 5, A, B	LWWSD	L	L	Local, State, Federal	\$3,000,000
Land Subsidence	LS-1 Protect Critical Facilities	1, 5, A	LWWSD	L	L	Local, State, Federal	\$4,000,000
	LS-2. Protect Water Transmission Mains	1, 5, A	LWWSD	L	L	Local, State, Federal	\$4,000,000

**Lake Whatcom Water & Sewer District
IDENTIFIED MITIGATION ACTIONS 2026-2030**

MITIGATION ACTIONS		(1) Goals	(2) Lead Responsibility for Carrying out Measure	(3) Priorit y	(4) Timeline	(5) Funding Source	(6) Estimated Cost
Hazard	Action Items						
Lightning	No applicable action items	-	-	-	-	-	-
Severe Storms	No applicable action items	-	-	-	-	-	-
Severe Wind	SW-1 Move underground overhead power/communication lines	1, 4, 5, A	LWWSD	L	L	Local, Federal, Private	\$1,000,000
Tornadoes	No applicable action items	-	-	-	-	-	-
Tsunami	No applicable action items	-	-	-	-	-	-
Wildfires	WF-1 Firewise critical facilities	1, 5, A	LWWSD	M	M	Local, State, Federal	\$1,000,000
Multiple Hazards	No applicable action items	-	-	-	-	-	-
Advanced Mitigation Projects (Dream List)	No applicable action items	-	-	-	-	-	-

Lake Whatcom Water & Sewer District Annual Review and Progress for Hazard-Specific Mitigation Actions 2026-2030

Progress monitoring means tracking the implementation of the hazard specific mitigation actions over time. Each jurisdiction must identify how, when, and by whom action items will be monitored. The responsible agency assigned to each mitigation action is responsible for tracking and reporting on each of their actions.

Annual review and progress reporting includes the following:

- Step One:** Identify mitigation actions that your planning team has identified for the annual review. The planning team has the option to address ALL action items, or only those that should be acted on during each review cycle.
- Step Two:** Use the table below to track annual progress. For each action item selected for annual review insert the appropriate letter that indicates the status of that action item.
- Step Three:** Complete a progress report form as illustrated in Appendix G for each mitigation action item selected for annual review
- Step Four:** Submit the completed form(s) to the Whatcom County DEM.

Lake Whatcom Water and Sewer District Hazard-Specific Action Items 2026-2030 – Annual Review and Progress						
Action Items	Status (Choose One & Enter Letter): A. Completed; B. In Progress (on schedule); C. In Progress (delayed); D. Delayed Until Funding Available; E. Canceled					
	2026	2027	2028	2029	2030	Notes on yearly progress
GENERAL: ALL HAZARDS						
<i>G-a. Emergency plan updates</i>						
<i>G-b. Provide for an increased level of protection for public infrastructure</i>						
<i>G-c. Maintain emergency notification system (AlertSense)</i>	A					Completed in 2025
<i>Add Additional Actions as Needed</i>						
EDUCATION AND OUTREACH						
<i>EO-a. Utility bill inserts</i>	A					Completed annually
<i>Add Additional Actions as Needed</i>						
DAM/LEVEE FAILURES						
none	-	-	-	-	-	-
DROUGHTS/HEAT WAVES						
<i>D-a. Monitor water supply</i>	B					Conducted daily
<i>D-b. Educate residents on water saving techniques</i>	B					Conducted via utility bill fact sheet, social media post and Lakeway Dr. office reader board
<i>D-1. Request water conservation during drought conditions</i>	B					To be implemented if necessary.
<i>Add Additional Actions as Needed</i>						
EARTHQUAKES						
<i>EQ-c. Seismic resistant water reservoirs</i>	B					Replacement of Div 22 #1 reservoir and Chlorine Contact Basin planned for 2027
<i>EQ-e. Seismic resilient reservoir system</i>	B					Installation of ShakeAlert controls on water system components.
<i>EQ-1. Seismic retrofit of existing water reservoirs</i>						Seismic retrofit of the Geneva Reservoir planned for 2027
<i>EQ-2. Replace water mains with seismically resistant piping</i>	D					Improvements dependent upon external funding.

Lake Whatcom Water and Sewer District
Hazard-Specific Action Items 2026-2030 – Annual Review and Progress

Action Items	Status (Choose One & Enter Letter): A. Completed; B. In Progress (on schedule); C. In Progress (delayed); D. Delayed Until Funding Available; E. Canceled					
	2026	2027	2028	2029	2030	Notes on yearly progress
EQ-3. Seismic retrofit of existing pumping stations; install ShakeAlert system controls	B					Sudden Valley WTP pumphouse scheduled for 2027
EQ-4. Anchorage of critical water facilities: pumps, electronics, communications	B					Improvements dependent upon external funding.
EQ-5. Raw water bypass	D					Improvements dependent upon external funding.
Add Additional Actions as Needed						
EXTREME HEAT						
none	-	-	-	-	-	
FLOODING						
F-1. Protect infrastructure (harden infrastructure at bridge and dam crossings)	D					Improvements dependent upon external funding.
F-2. Protect critical facilities (dry proof pumping stations)	D					Improvements dependent upon external funding.
Add Additional Actions as Needed						
LANDSLIDES/EROSION						
ER-a. Conduct vulnerability assessment	D					Improvements dependent upon external funding.
ER-1. Protect Division 30 reservoir	D					Improvements dependent upon external funding.
Add Additional Actions as Needed						
LAND SUBSIDENCE						
LS-1. Protect Critical Facilities	D					Improvements dependent upon external funding.
LS-2. Protect Water Transmission Mains	D					Improvements dependent upon external funding.
Add Additional Actions as Needed						

Lake Whatcom Water and Sewer District
Hazard-Specific Action Items 2026-2030 – Annual Review and Progress

Action Items	Status (Choose One & Enter Letter): A. Completed; B. In Progress (on schedule); C. In Progress (delayed); D. Delayed Until Funding Available; E. Canceled					
	2026	2027	2028	2029	2030	Notes on yearly progress
LIGHTNING						
none	-	-	-	-	-	
SEVERE STORMS						
none	-					-
<i>Add Additional Actions as Needed</i>						
SEVERE WIND						
SW-1. Move underground overhead power/communication lines	D					Improvements dependent upon external funding.
<i>Add Additional Actions as Needed</i>						
TORNADOES						
none	-	-	-	-	-	
TSUNAMI						
none	-	-	-	-	-	
WILDFIRES						
WF-1. Firewise critical facilities	D					Improvements dependent upon external funding.
<i>Add Additional Actions as Needed</i>						
MULTIPLE HAZARDS						
none	-	-	-	-	-	

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**AGENDA
BILL
Item 6.C**

**Draft 2027-2028 Biennial
Budget Discussion**

DATE SUBMITTED:	October 19, 2026	MEETING DATE:	October 28, 2026
TO: BOARD OF COMMISSIONERS	FROM: Jenny Signs, Finance Manager/ Treasurer		
GENERAL MANAGER APPROVAL			
ATTACHED DOCUMENTS	1. Draft 2027-2028 Budget & Capital Improvement Program		
TYPE OF ACTION REQUESTED	RESOLUTION ☐	FORMAL ACTION/ MOTION ☐	INFORMATIONAL/ OTHER ☒

BACKGROUND / EXPLANATION OF IMPACT

Through the powers granted under [Revised Code of Washington Title 57](#) (Water-Sewer Districts) and codified under the District's [Administrative Code](#) Title 2, Chapter 2.2 (1):

The General Manager shall develop an operating and capital improvement budget biennially for both the water and sewer systems. The biennial budget shall provide for the forecasting of revenues and expenditures for the following two fiscal years. The biennial fiscal period shall start on January 1 of an odd-numbered year and end on December 31 of the following even-numbered year. The budget shall be presented to the Board of Commissioners for review and approval prior to the end of December in advance of the next biennium.

Using projected revenues based upon annual rate increases established in the Master Fees & Charges Schedule 31 (4.75% water and 0% sewer) and projected 2026 operating expenses and projects defined in the District's water and sewer capital improvement plans, District staff have developed the attached 2027-2028 draft budget for Board discussion. The attached budget has undergone some changes relative to earlier revisions presented to the board during its August 26 and September 9 regularly scheduled meetings. 2026 projections were updated as of October 1, 2026, while other changes primarily reflect updated capital project schedules, anticipated expenditures, and associated funding requirements. As the District proceeds with its capital program, the need of critical infrastructure investments must be balanced with the financial uncertainties associated with project timing, construction costs, and available funding. With limited flexibility in the budget, maintaining this balance requires careful consideration of project priorities and ongoing evaluation of financial resources throughout the biennium.

As part of this effort, staff conducted a detailed review of grant funds and anticipated loan proceeds within the Water Utility Fund. Historically, District budgets have reflected the full amount of available loan funding. For the 2027-2028 biennium anticipated loan proceeds have been reduced by approximately \$1 million to more closely align with projected expenditures and borrowing needs. While it is anticipated that the District won't need these additional funds, the funding remains available should construction bids or other unforeseen project costs exceed current estimates. This approach provides a more realistic representation of anticipated revenues while preserving financial flexibility as projects move forward. Given the number of capital projects planned and the uncertainties that remain, the District will need to be particularly mindful of the timing and financial impact of project expenditures. Staff will closely monitor cash flow, project costs, and available funding throughout the biennium to ensure the District can continue advancing necessary infrastructure improvements while maintaining sufficient resources to meet ongoing operating needs.

FISCAL IMPACT

The draft budget for the 2027 – 2028 biennium proposes a budget of approximately \$16.5 million for the water utility and a budget of approximately \$11 million for the sewer utility, resulting in a total budget of approximately \$27.5 million.

APPLICABLE EFFECTIVE UTILITY MANAGEMENT ATTRIBUTE(S)

Financial Viability

RECOMMENDED BOARD ACTION

No action is recommended at this time. Staff intend to present a final revision for Board consideration during its November 12 meeting.

PROPOSED MOTION

Not applicable.



LAKE WHATCOM WATER AND SEWER FUND SUMMARIES 2027-2028

DRAFT

	401	402		460
	WATER	SEWER	TOTAL	BOND RESERVE (RESTRICTED)
2027 Projected Beginning Fund Balance	\$2,860,740	\$6,929,899	\$9,790,639	\$646,125
2027 - 2028 Revenues	\$16,451,079	\$11,006,464	\$27,457,543	-
2027 - 2028 Expenditures	\$ (18,346,588)	\$ (13,065,082)	\$ (31,411,670)	\$ (6,925)
Net Surplus/(Deficit)	\$ (1,895,509)	\$ (2,058,618)	\$ (3,954,127)	\$639,200
2028 Projected Ending Fund Balance	\$965,231	\$4,871,281	\$5,836,512	\$639,200
2027 - 2028 Allocated to Operating Reserve	\$810,000	\$640,129	\$1,450,129	
2027 - 2028 Rate Study Capital Surplus*	\$0	\$1,124,000	\$1,124,000	
2027 - 2028 Projected Year End Fund Balance	\$ 155,231	\$3,107,152	\$3,262,383	
	426	425		
	Water	Sewer	Total	
2027 Contingency Reserve Funds	\$1,210,500	\$1,689,450	\$2,899,950	
2028 Contingency Reserve Funds	\$1,234,700	\$1,723,250	\$2,957,950	

*Aggregate Rate Study Surplus 2027 through 2028
Reduced in 2027/2028

Lake Whatcom Water and Sewer District
2027 - 2028 Biennial Budget - DRAFT
Water Utility Fund (401)

Fund	Dept.	Account	Title	2025 Actual	2026 Budget	2026 Projected 10.1.2026	2027 Proposed	2028 Proposed	2027-2028 Combined Proposed
Intergovernmental Revenue									
401	330	331 66 00 01	Environmental Protection Agency	\$ -	\$ -	\$ 220,000	\$ -	\$ 125,500	\$ 125,500
401	330	333 97 00 02	Federal Indirect Grant Homeland Security	\$ 847,741	\$ 2,287,825	\$ -	\$ 3,788,315	\$ 1,321,863	\$ 5,110,178
401	330	334 01 80 01	State Grant From Military Department	\$ 131,932	\$ 266,134	\$ -	\$ 477,000	\$ 548,005	\$ 1,025,005
Charges For Services									
401	340	343 40 10 00	Water Sales Metered	\$ 3,225,281	\$ 3,385,455	\$ 3,385,455	\$ 3,625,812	\$ 3,798,038	\$ 7,423,850
401	340	343 40 20 01	DEA Permits - Water	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
401	340	343 41 10 01	General Facilities Charges - Water	\$ 177,156	\$ 107,540	\$ 203,297	\$ 108,650	\$ 112,996	\$ 221,646
Fines & Penalties									
401	350	359 81 10 00	Combined Fees	\$ 8,202	\$ 12,500	\$ 16,900	\$ 14,000	\$ 14,000	\$ 28,000
401	350	359 90 00 00	Late Fees	\$ 80,698	\$ 65,000	\$ 67,170	\$ 66,000	\$ 66,000	\$ 132,000
Miscellaneous Revenues									
401	360	361 11 00 00	Investment Interest	\$ 182,466	\$ 70,000	\$ 166,400	\$ 100,000	\$ 123,900	\$ 223,900
401	360	369 10 00 00	Sale Of Surplus	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
401	360	369 10 01 00	Miscellaneous	\$ 7,627	\$ 1,000	\$ 32,302	\$ 1,000	\$ 1,000	\$ 2,000
401	360	369 40 00 00	Project Reimbursement	\$ 1,897	\$ -	\$ -	\$ -	\$ -	\$ -
401	360	369 80 00 00	Over/Under	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Financing Sources									
401	390	391 80 00 01	Intergovernmental Loans	\$ 800,000	\$ -	\$ -	\$ 2,159,000	\$ -	\$ 2,159,000
401	390	395 10 00 00	Sale Of Capital Assets	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
401	390	395 20 00 00	Deposits	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
401	390	395 20 00 01	Compensation For Loss/Impairment (Formerly Ins. Recovery)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Water Fund Revenues				\$ 5,463,000	\$ 6,195,454	\$ 4,091,524	\$ 10,339,777	\$ 6,111,302	\$ 16,451,079
Water Fund Expenditures									
401	534	534 10 10 00	Water - Gen Admin Payroll	\$ 401,403	\$ 410,405	\$ 412,150	\$ 433,865	\$ 451,220	\$ 885,085
401	534	534 10 20 00	Water - Gen Admin Personnel Benefits	\$ 151,064	\$ 168,206	\$ 151,600	\$ 173,914	\$ 182,610	\$ 356,524
401	534	534 10 31 00	Water - Gen Admin Supplies	\$ 5,394	\$ 12,500	\$ 6,400	\$ 7,500	\$ 7,500	\$ 15,000
401	534	534 10 31 01	Water - Meetings/Team building	\$ 2,537	\$ 3,200	\$ 2,700	\$ 3,300	\$ 3,400	\$ 6,700
401	534	534 10 40 00	Water - Merchant Services Fees	\$ 23,466	\$ 20,300	\$ 26,700	\$ 27,000	\$ 28,000	\$ 55,000
401	534	534 10 40 01	Water - Bank Fees	\$ 376	\$ 750	\$ 900	\$ 1,000	\$ 1,000	\$ 2,000
401	534	534 10 41 00	Water - Quality Assurance Programs	\$ 81,135	\$ 87,800	\$ 87,800	\$ 90,450	\$ 93,150	\$ 183,600
401	534	534 10 41 01	Water - Gen Admin Prof Svc	\$ 112,374	\$ 110,915	\$ 115,000	\$ 137,871	\$ 173,386	\$ 311,257
401	534	534 10 41 02	Water - Engineering Svc	\$ 9,949	\$ 9,000	\$ 3,272	\$ 9,270	\$ 9,500	\$ 18,770
401	534	534 10 41 03	Water - Legal Svc	\$ 40,848	\$ 31,900	\$ 41,000	\$ 45,700	\$ 47,500	\$ 93,200
401	534	534 10 41 04	Water - DEA Expenditures	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
401	534	534 10 42 00	Water - Admin Communication	\$ 37,813	\$ 35,400	\$ 27,200	\$ 28,300	\$ 29,500	\$ 57,800
401	534	534 10 43 00	Water - Software/IT Subscriptions	\$ 61,130	\$ 73,010	\$ 70,500	\$ 52,136	\$ 86,700	\$ 138,836
401	534	534 10 46 00	Water - Gen Admin Insurance	\$ 107,617	\$ 93,450	\$ 115,000	\$ 120,750	\$ 126,800	\$ 247,550
401	534	534 10 49 00	Water - Gen Admin Misc.	\$ -	\$ 200	\$ -	\$ 200	\$ 200	\$ 400
401	534	534 10 49 01	Water - Memberships/Dues/Permits	\$ 16,578	\$ 21,750	\$ 21,750	\$ 22,400	\$ 23,000	\$ 45,400
401	534	534 10 49 02	Water - Taxes	\$ 167,925	\$ 185,800	\$ 175,481	\$ 183,800	\$ 192,550	\$ 376,350
401	534	534 40 43 00	Water - Admin Training & Travel	\$ 8,641	\$ 13,000	\$ 4,500	\$ 13,000	\$ 13,000	\$ 26,000
401	534	534 40 43 01	Water - Tuition Reimbursement	\$ 965	\$ 500	\$ 1,000	\$ 1,000	\$ 1,000	\$ 2,000
401	534	534 50 31 00	Water - Maintenance Supplies	\$ 120,384	\$ 120,500	\$ 115,640	\$ 128,440	\$ 133,600	\$ 262,040
401	534	534 50 31 01	Water - Small Assets	\$ 31,974	\$ 48,000	\$ 42,000	\$ 49,500	\$ 51,000	\$ 100,500
401	534	534 50 48 00	Water - Repair & Maint	\$ 95,131	\$ 150,800	\$ 96,000	\$ 155,300	\$ 160,000	\$ 315,300
401	534	534 50 49 00	Water - Insurance Claims	\$ -	\$ 5,000	\$ 2,500	\$ 5,000	\$ 5,000	\$ 10,000
401	534	534 60 41 00	Water - Operations Contracted (Edge Analytical)	\$ 14,706	\$ 12,900	\$ 12,900	\$ 13,300	\$ 13,700	\$ 27,000
401	534	534 60 47 00	Water - City of Bellingham	\$ 55,523	\$ 62,920	\$ 58,900	\$ 64,800	\$ 66,800	\$ 131,600
401	534	534 80 10 00	Water - Operations Payroll	\$ 747,608	\$ 756,778	\$ 712,100	\$ 834,077	\$ 867,440	\$ 1,701,517
401	534	534 80 20 00	Water - Operations Personnel Benefits	\$ 302,759	\$ 350,964	\$ 270,000	\$ 338,672	\$ 355,606	\$ 694,278
401	534	534 80 32 00	Water - Operations Fuel	\$ 21,441	\$ 33,200	\$ 26,000	\$ 34,200	\$ 35,200	\$ 69,400
401	534	534 80 35 00	Water - Safety Supplies	\$ 4,104	\$ 10,000	\$ 5,700	\$ 10,000	\$ 10,000	\$ 20,000
401	534	534 80 35 01	Water - Safety Boots	\$ 1,175	\$ 1,400	\$ 1,100	\$ 1,400	\$ 1,400	\$ 2,800
401	534	534 80 35 02	Water - Emergency Preparedness	\$ 813	\$ 3,000	\$ 1,000	\$ 3,000	\$ 3,000	\$ 6,000
401	534	534 80 43 00	Water - Operation Training/Travel/Certifications	\$ 10,675	\$ 13,000	\$ 10,500	\$ 16,000	\$ 13,000	\$ 29,000
401	534	534 80 47 00	Water - Ops Utilities	\$ 162,516	\$ 162,500	\$ 187,904	\$ 195,420	\$ 203,200	\$ 398,620
401	534	534 80 49 00	Water - Operations Laundry	\$ 1,447	\$ 2,000	\$ 1,500	\$ 2,000	\$ 2,100	\$ 4,100
Total Water Fund Expenditures				\$ 2,799,471	\$ 3,011,048	\$ 2,806,697	\$ 3,202,565	\$ 3,391,061	\$ 6,593,626
Debt Service									
401	591	591 34 77 01	Geneva AC Mains Principal	\$ 119,938	\$ 119,938	\$ 119,938	\$ 119,938	\$ 119,938	\$ 239,876
401	591	591 34 77 02	Div. 22 Reservoir Principal	\$ 65,475	\$ 65,475	\$ 65,475	\$ 65,475	\$ 65,475	\$ 130,950
401	591	591 34 77 03	PWB Loan for Division 7 Reservoir Principal	\$ 8,268	\$ 33,854	\$ 33,854	\$ 33,854	\$ 33,854	\$ 67,708
401	591	592 34 83 01	Geneva AC Mains Interest	\$ 19,790	\$ 17,991	\$ 17,991	\$ 16,192	\$ 14,393	\$ 30,585
401	591	592 34 83 02	Div. 22 Reservoir Interest	\$ 12,768	\$ 11,785	\$ 11,785	\$ 10,803	\$ 9,821	\$ 20,624
401	591	592 34 83 03	PWB Loan for Division 7 Reservoir Interest	\$ 600	\$ 13,760	\$ 13,760	\$ 13,760	\$ 13,760	\$ 27,520
401	591	591 34 77 04	Proposed Debt for CIP Projects	\$ -	\$ -	\$ -	\$ 135,000	\$ 135,000	\$ 270,000
Total Water Fund Debt Service				\$ 226,839	\$ 262,803	\$ 262,803	\$ 395,022	\$ 392,241	\$ 787,263

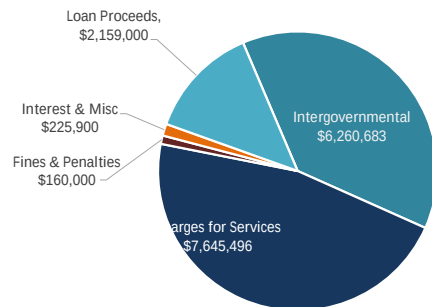
**Lake Whatcom Water and Sewer District
2027 - 2028 Biennial Budget -DRAFT
Water Utility Fund (401)**

Fund	Dept.	Account	Title	2025 Actual	2026 Budget	2026 Projected 10.1.2026	2027 Proposed	2028 Proposed	2027-2028 Combined Proposed
Capital Expenditures									
401	594	594 34 60 01	Capital Outlay - Budget Only		\$ 3,016,000	\$ -	\$ 6,606,622	\$ 3,584,377	\$ 10,190,999
401	594	594 34 62 01	Capital Projects - Water Structures	\$ 2,347,607		\$ 311,300			\$ -
401	594	594 34 63 01	Capital Projects - Water System	\$ 8,874		\$ 12,200			\$ -
401	594	594 34 64 01	Capital Outlay - Water Equipment	\$ 88,058					\$ -
401	594	594 34 65 01	Capital Outlay - Small Water Projects	\$ 104		\$ 800			\$ -
			Capital Outlay Carryover Projects/Additional Funding						\$ -
Total Water Fund Capital Expenditures				\$ 2,444,643	\$ 3,016,000	\$ 324,300	\$ 6,606,622	\$ 3,584,377	\$ 10,190,999
Other Financing Sources									
401	597	597 10 00 26	Transfers Out To Fund 426	\$ -	\$ -	\$ -	\$ 750,500	\$ 24,200	\$ 774,700
Total Water Fund Other Financing Sources				\$ -	\$ -	\$ -	\$ 750,500	\$ 24,200	\$ 774,700
Total Water Fund Expenditures				\$ 5,470,953	\$ 6,289,851	\$ 3,393,800	\$ 10,954,709	\$ 7,391,879	\$ 18,346,588
Fund Gain/Loss				\$ (7,953)	\$ (94,397)	\$ 697,724	\$ (614,932)	\$ (1,280,577)	\$ (1,895,509)

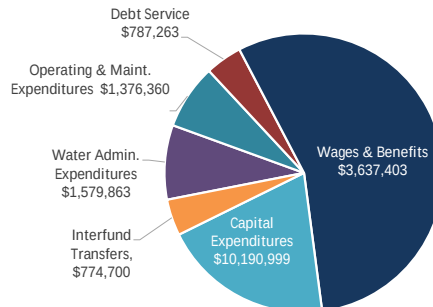
Fund Balance Summary	
2026 Beginning Fund Balance	\$ 2,163,016
2026 Projected Gain/Loss	\$ 697,724
2026 Projected Ending Fund Balance	\$ 2,860,740
2027 Projected Gain/Loss	\$ (614,932)
2027 Projected Ending Fund Balance	\$ 2,245,808
2028 Projected Gain/Loss	\$ (1,280,577)
2028 Projected Ending Fund Balance	\$ 965,231

Water Contingency Reserve Fund Balance Summary	
2026 Beginning Fund Balance	\$ 460,000
2026 Projected Gain/Loss	\$ -
2026 Projected Ending Fund Balance	\$ 460,000
2027 Projected Gain/Loss	\$ 750,500
2027 Projected Ending Fund Balance	\$ 1,210,500
2028 Projected Gain/Loss	\$ 24,200
2028 Projected Ending Fund Balance	\$ 1,234,700

2027-2028 Budgeted Water Fund Revenues



2027-2028 Budgeted Water Fund Expenses



Lake Whatcom Water and Sewer District
2027-2028 Biennial Budget DRAFT
Sewer Utility Fund (402)

Fund	Dept.	Account	Title	2025 Actual	2026 Budget	2026 Projected 10.1.2026	2027 Proposed	2028 Proposed	2027-2028 Combined Proposed
Intergovernmental Revenue									
402	334	334 01 80 00	State Grant from EMD	\$ 18,290	\$ -	\$ -	\$ -	\$ -	\$ -
Charges For Services									
402	340	343 50 11 00	Sewer Service Residential	\$ 5,229,379	\$ 5,236,856	\$ 5,203,942	\$ 5,236,856	\$ 5,236,856	\$ 10,473,712
402	340	343 50 19 00	Sewer Service Other	\$ 5,947	\$ 5,950	\$ 6,030	\$ 5,950	\$ 5,950	\$ 11,900
402	340	343 50 30 02	DEA Cost Reimbursement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
402	340	343 50 80 00	Latecomers ULID Fee	\$ 19,519	\$ -	\$ -	\$ -	\$ -	\$ -
402	340	343 51 10 02	General Facilities Charges - Sewer	\$ 238,107	\$ 128,520	\$ 258,500	\$ 137,129	\$ 142,614	\$ 279,743
Miscellaneous Revenues									
402	360	361 11 00 02	Investment Interest	\$ 182,466	\$ 70,000	\$ 160,820	\$ 100,000	\$ 123,900	\$ 223,900
402	360	361 40 00 02	ULID 18 Interest/Penalties	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
402	360	368 10 00 02	ULID 18 Principal Payments	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
402	360	369 10 00 02	Sale Of Surplus	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
402	360	369 40 00 02	Project Reimbursement	\$ 4,142	\$ 4,142	\$ 4,142	\$ 4,142	\$ 4,142	\$ 8,284
402	360	369 91 01 02	Miscellaneous	\$ 7,412	\$ 1,000	\$ 3,700	\$ 1,000	\$ 1,000	\$ 2,000
Other Financing Sources									
402	390	395 10 00 02	Sale Of Capital Assets	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
402	395	395 20 00 02	Compensation for Loss/Impairment of Capital Asset	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
402	397	397 10 00 02	Transfers In	\$ -	\$ -	\$ -	\$ 3,200	\$ 3,725	\$ 6,925
Total Sewer Fund Revenues				\$ 5,705,262	\$ 5,446,468	\$ 5,637,134	\$ 5,488,277	\$ 5,518,187	\$ 11,006,464
Sewer Fund Expenditures									
402	535	535 10 10 00	Sewer - Admin Payroll	\$ 401,402	\$ 410,405	\$ 418,117	\$ 433,865	\$ 451,220	\$ 885,085
402	535	535 10 20 00	Sewer - Gen Admin Personnel Benefits	\$ 150,855	\$ 168,206	\$ 153,841	\$ 173,914	\$ 180,871	\$ 354,785
402	535	535 10 31 00	Sewer - Gen Admin Supplies	\$ 5,016	\$ 12,500	\$ 6,855	\$ 7,500	\$ 7,500	\$ 15,000
402	535	535 10 31 01	Sewer - Meetings/Team Building	\$ 2,679	\$ 3,200	\$ 3,150	\$ 3,300	\$ 3,400	\$ 6,700
402	535	535 10 40 00	Sewer - Merchant Services Fees	\$ 23,466	\$ 18,000	\$ 26,690	\$ 27,000	\$ 28,000	\$ 55,000
402	535	535 10 40 01	Sewer - Bank Fees	\$ 376	\$ 750	\$ 1,548	\$ 1,000	\$ 1,000	\$ 2,000
402	535	535 10 41 01	Sewer - Gen Admin Prof Svc	\$ 105,454	\$ 110,915	\$ 110,915	\$ 130,786	\$ 166,017	\$ 296,803
402	535	535 10 41 02	Sewer - Engineering Svc	\$ -	\$ 9,000	\$ 2,000	\$ 9,270	\$ 9,500	\$ 18,770
402	535	535 10 41 03	Sewer - Legal Svc	\$ 23,437	\$ 31,900	\$ 26,925	\$ 31,900	\$ 31,900	\$ 63,800
402	535	535 10 41 04	Sewer - DEA Expenditures	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
402	535	535 10 42 00	Sewer - Admin Communication	\$ 35,990	\$ 35,400	\$ 27,091	\$ 35,400	\$ 35,400	\$ 70,800
402	535	535 10 43 00	Sewer - Software/IT Subscriptions	\$ 69,740	\$ 82,660	\$ 84,051	\$ 63,336	\$ 98,350	\$ 161,686
402	535	535 10 46 00	Sewer - Gen Admin Insurance	\$ 107,617	\$ 93,450	\$ 93,450	\$ 120,750	\$ 126,800	\$ 247,550
402	535	535 10 49 00	Sewer - Gen Admin Misc.	\$ -	\$ 200	\$ -	\$ 200	\$ 200	\$ 400
402	535	535 10 49 01	Sewer - Memberships/Dues/Permits	\$ 10,998	\$ 16,700	\$ 16,700	\$ 22,400	\$ 23,000	\$ 45,400
402	535	535 10 49 02	Sewer - Taxes	\$ 122,748	\$ 134,500	\$ 122,851	\$ 134,500	\$ 134,500	\$ 269,000
402	535	535 40 43 00	Sewer - Gen Admin Training & Travel	\$ 8,684	\$ 13,000	\$ 3,900	\$ 13,000	\$ 13,000	\$ 26,000
402	535	535 40 43 01	Sewer - Tuition Reimbursement	\$ 965	\$ 500	\$ 1,000	\$ 1,000	\$ 1,000	\$ 2,000
402	535	535 50 31 00	Sewer - Maintenance Supplies	\$ 31,576	\$ 46,800	\$ 38,137	\$ 48,700	\$ 50,600	\$ 99,300
402	535	535 50 31 01	Sewer - Small Assets	\$ 33,890	\$ 43,700	\$ 35,000	\$ 45,500	\$ 47,320	\$ 92,820
402	535	535 50 48 00	Sewer - Repair & Maint	\$ 187,956	\$ 150,000	\$ 118,835	\$ 156,000	\$ 162,200	\$ 318,200
402	535	535 50 49 00	Sewer - Insurance Claims	\$ -	\$ 2,500	\$ 5,000	\$ 5,000	\$ 5,000	\$ 10,000
402	535	535 60 47 00	Sewer - City of Bellingham	\$ 701,986	\$ 926,000	\$ 921,548	\$ 963,000	\$ 1,000,000	\$ 1,963,000
402	535	535 80 10 00	Sewer - Operations Payroll	\$ 641,078	\$ 644,639	\$ 608,934	\$ 705,756	\$ 733,986	\$ 1,439,742
402	535	535 80 20 00	Sewer - Operations Personnel Benefits	\$ 252,357	\$ 293,495	\$ 238,571	\$ 288,415	\$ 299,952	\$ 588,367
402	535	535 80 32 00	Sewer - Operations Fuel	\$ 20,604	\$ 33,200	\$ 27,281	\$ 34,200	\$ 35,200	\$ 69,400
402	535	535 80 35 00	Sewer - Safety Supplies	\$ 4,269	\$ 10,000	\$ 3,800	\$ 10,000	\$ 10,000	\$ 20,000
402	535	535 80 35 01	Sewer - Safety Boots	\$ 1,175	\$ 1,400	\$ 1,100	\$ 1,400	\$ 1,400	\$ 2,800
402	535	535 80 35 02	Sewer - Emergency Preparedness	\$ 813	\$ 5,000	\$ 3,000	\$ 5,000	\$ 5,000	\$ 10,000
402	535	535 80 43 00	Sewer - Operations Training/Travel/Certification	\$ 12,016	\$ 13,000	\$ 9,814	\$ 16,000	\$ 13,000	\$ 29,000
402	535	535 80 47 00	Sewer - Ops Utilities	\$ 145,338	\$ 164,800	\$ 201,786	\$ 208,000	\$ 216,300	\$ 424,300
402	535	535 80 49 00	Sewer - Operations Laundry	\$ 1,463	\$ 2,500	\$ 1,536	\$ 2,500	\$ 2,500	\$ 5,000
Total Sewer Fund Expenditures				\$ 3,103,948	\$ 3,478,320	\$ 3,313,426	\$ 3,698,592	\$ 3,894,115	\$ 7,592,707
Debt Service									
402	591	591 35 77 02	Bond 2016 Principal	\$ 490,000	\$ 520,000	\$ 520,000	\$ 535,000	\$ 550,000	\$ 1,085,000
402	591	591 35 83 02	Bond 2016 Interest	\$ 145,725	\$ 107,925	\$ 107,925	\$ 107,925	\$ 89,200	\$ 197,125
Total Sewer Fund Debt Service				\$ 635,725	\$ 627,925	\$ 627,925	\$ 642,925	\$ 639,200	\$ 1,282,125
Capital Expenditures									
402	594	594 35 60 02	Capital Outlay - Budget Only		\$ 2,056,000		\$ 1,588,000	\$ 1,780,000	\$ 3,368,000
402	594	594 35 62 02	Capital Projects - Sewer Structures	\$ 886,829		\$ 88,988			\$ -
402	594	594 35 63 02	Capital Projects - Sewer System	\$ 289,383		\$ 130,000			\$ -
402	594	594 35 64 02	Capital Outlay - Sewer Equipment	\$ 85,567					\$ -
402	594	594 35 65 02	Capital Outlay - Small Sewer Projects	\$ -					\$ -
402	594	594 35 65 02	Capital Outlay - Carry Over Projects/Additional Funding	\$ -					\$ -
Total Sewer Fund Capital Expenditures				\$ 1,261,779	\$ 2,056,000	\$ 218,988	\$ 1,588,000	\$ 1,780,000	\$ 3,368,000
Other Financing Sources									
402	597	597 10 00 25	Transfer Out To Sewer Contingency	\$ -	\$ 86,000	\$ 86,000	\$ 788,450	\$ 33,800	\$ 822,250
Total Other Financing Sources				\$ -	\$ 86,000	\$ 86,000	\$ 788,450	\$ 33,800	\$ 822,250

**Lake Whatcom Water and Sewer District
2027-2028 Biennial Budget DRAFT
Sewer Utility Fund (402)**

Fund	Dept.	Account	Title	2025 Actual	2026 Budget	2026 Projected 10.1.2026	2027 Proposed	2028 Proposed	2027-2028 Combined Proposed
Total Sewer Fund Expenditures				\$ 5,001,452	\$ 6,248,245	\$ 4,246,339	\$ 6,717,967	\$ 6,347,115	\$ 13,065,082
Fund Gain/Loss				\$ 703,810	\$ (801,777)	\$ 1,390,795	\$ (1,229,690)	\$ (828,928)	\$ (2,058,618)

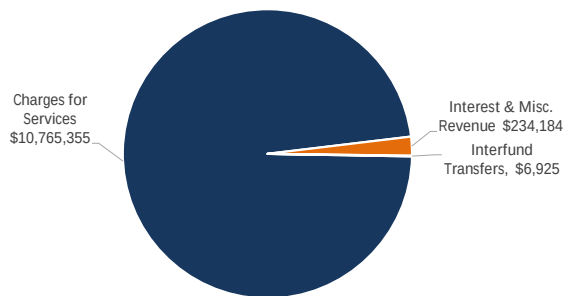
Fund Balance Summary

2026 Beginning Fund Balance	\$ 5,539,104
2026 Projected Gain/Loss	\$ 1,390,795
2026 Projected Ending Fund Balance	\$ 6,929,899
2027 Projected Gain/Loss	\$ (1,229,690)
2027 Projected Ending Fund Balance	\$ 5,700,209
2028 Projected Gain/Loss	\$ (828,928)
2028 Projected Ending Fund Balance	\$ 4,871,281

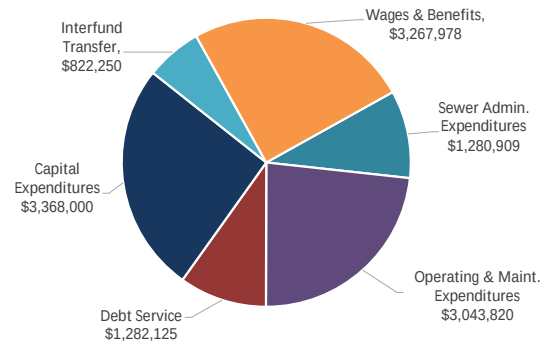
Sewer Contingency Reserve Fund Balance Summary

2026 Beginning Fund Balance	\$ 815,000
2026 Projected Gain/Loss	\$ 86,000
2026 Projected Ending Fund Balance	\$ 901,000
2027 Projected Gain/Loss	\$ 788,450
2027 Projected Ending Fund Balance	\$ 1,689,450
2028 Projected Gain/Loss	\$ 33,800
2028 Projected Ending Fund Balance	\$ 1,723,250

2027-2028 Budgeted Sewer Fund Revenues



2027-2028 Budgeted Sewer Fund Expenses



Lake Whatcom Water and Sewer District
2027 - 2028 Biennial Budget DRAFT
Sewer Contingency Reserve Fund (425)

Fund	Dept.	Account	Title	2025 Actual	2026 Budget	2026 Projected	2027 Proposed	2028 Proposed	2027-2028 Combined Proposed
Other Financing Sources									
425	397	397 10 00 25	Transfer In From Sewer Fund	\$ -	\$ 86,000	\$ 86,000	\$ 788,450	\$ 33,800	\$ 822,250
Total Fund Revenue				\$ -	\$ 86,000	\$ 86,000	\$ 788,450	\$ 33,800	\$ 822,250
Other Financing Sources									
425	597	597 10 20 00	Transfers Out To Fund 420	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Fund Expenditures				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fund Gain/Loss				\$ -	\$ 86,000	\$ 86,000	\$ 788,450	\$ 33,800	\$ 822,250

Sewer Contingency Reserve Fund Balance Summary

2026 Beginning Fund Balance	\$ 815,000
2026 Projected Gain/Loss	\$ 86,000
2026 Projected Ending Fund Balance	\$ 901,000
2027 Projected Gain/Loss	\$ 788,450
2027 Projected Ending Fund Balance	\$ 1,689,450
2028 Projected Gain/Loss	\$ 33,800
2028 Projected Ending Fund Balance	\$ 1,723,250

Lake Whatcom Water and Sewer District
2027 - 2028 Biennial Budget DRAFT
Water Contingency Reserve Fund (426)

Fund	Dept.	Account	Title	2025 Actual	2026 Budget	2026 Projected	2027 Proposed	2028 Proposed	2027-2028 Combined Proposed
Other Financing Sources									
426	397	397 10 00 26	Transfers In From Fund 401	\$ -	\$ -	\$ -	\$ 750,500	\$ 24,200	\$ 774,700
Total Fund Revenue				\$ -	\$ -	\$ -	\$ 750,500	\$ 24,200	\$ 774,700
Total Fund Expenditures				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fund Gain/Loss				\$ -	\$ -	\$ -	\$ 750,500	\$ 24,200	\$ 774,700

Water Contingency Reserve Fund Balance Summary

2026 Beginning Fund Balance	\$ 460,000
2026 Projected Gain/Loss	\$ -
2026 Projected Ending Fund Balance	\$ 460,000
2027 Projected Gain/Loss	\$ 750,500
2027 Projected Ending Fund Balance	\$ 1,210,500
2028 Projected Gain/Loss	\$ 24,200
2028 Projected Ending Fund Balance	\$ 1,234,700

Lake Whatcom Water and Sewer District
2027 - 2028 Biennial Budget DRAFT
Bond Reserve Fund (460)

Fund	Program	Dept.	Sub Dept.	Account	Title	2025 Actual	2026 Budget	2026 Projected	2027 Proposed	2028 Proposed	2027-2028 Combined Proposed
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Other Financing Sources

Total Fund Revenue						\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
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Other Financing Sources

425		597		597 10 20 00	Transfers Out To Fund 402	\$ -	\$ -	\$ -	\$ 3,200	\$ 3,725	\$ 6,925
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Total Fund Expenditures						\$ -	\$ -	\$ -	\$ 3,200	\$ 3,725	\$ 6,925
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Fund Gain/Loss						\$ -	\$ -	\$ -	\$ (3,200)	\$ (3,725)	\$ (6,925)
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Bond Reserve Fund Balance Summary

2026 Beginning Fund Balance	\$ 646,125
2026 Projected Gain/Loss	\$ -
2026 Projected Ending Fund Balance	\$ 646,125
2027 Projected Gain/Loss	\$ (3,200)
2027 Projected Ending Fund Balance	\$ 642,925
2028 Projected Gain/Loss	\$ (3,725)
2028 Projected Ending Fund Balance	\$ 639,200

Water System Reinvestment Plan 2027 through 2032

Project #	2027	2028	2029	2030	2031	2032
Capital Outlay - General (Water Share)						
G2801 IT Infrastructure (Shared)	\$ -	\$ 30,000.00	\$ -	\$ -	\$ -	\$ -
5-Yard Dump Truck (Shared)	\$ -	\$ -	\$ 99,000.00	\$ -	\$ -	\$ -
Mini Excavator (Shared)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 59,000.00
Management Staff Vehicles (Shared)	\$ -	\$ -	\$ -	\$ 23,000.00	\$ -	\$ -
Tool Truck Replacement Schedule (Shared)	\$ -	\$ -	\$ -	\$ 60,000.00	\$ -	\$ 64,000.00
O&M Building - Windows (Shared)	\$ -	\$ -	\$ -	\$ -	\$ 47,000.00	\$ -
Subtotal - Capital Outlay - General (Water Share)	\$ -	\$ 30,000.00	\$ 99,000.00	\$ 83,000.00	\$ 47,000.00	\$ 123,000.00
Capital Outlay - Water Only						
W2701 Misc. Water Capital Outlay	\$ 11,000.00	\$ 11,000.00	\$ 12,000.00	\$ 12,000.00	\$ 12,000.00	\$ 13,000.00
Replace Locator/Meter Reading Van	\$ -	\$ -	\$ 58,000.00	\$ -	\$ -	\$ -
Reservoirs - Inspection & Maintenance	\$ -	\$ -	\$ 48,000.00	\$ -	\$ -	\$ -
W2702 Water System Plan Update	\$ 147,000.00	\$ -	\$ -	\$ -	\$ -	\$ -
W2703 Water Use Efficiency Plan Update	\$ 18,000.00	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal - Capital Outlay - Water Only	\$ 176,000.00	\$ 11,000.00	\$ 118,000.00	\$ 12,000.00	\$ 12,000.00	\$ 13,000.00
Capital Projects - Water Only						
W2801 SVWTP - Replace 2 Chlorine Analyzers	\$ -	\$ 15,000.00	\$ -	\$ -	\$ -	\$ -
C2402 Geneva Reservoir & SVWTP Pump House - Construction	\$ 1,198,000.00	\$ 624,756.00	\$ -	\$ -	\$ -	\$ -
C2316 Sudden Valley Water Treatment Plant CCB - Construction	\$ 3,250,000.00	\$ -	\$ -	\$ -	\$ -	\$ -
Eagleridge - Replace all Pumps & Controls	\$ -	\$ -	\$ -	\$ 359,000.00	\$ -	\$ -
W2802 Physical Safety Improvements (Locks, Ladders and Fencing)	\$ -	\$ 46,000.00	\$ -	\$ 48,000.00	\$ -	\$ -
Johnson Well Pumps	\$ -	\$ -	\$ -	\$ 36,000.00	\$ -	\$ -
W2704 Replace Fire Hydrants	\$ 50,000.00	\$ -	\$ 54,000.00	\$ -	\$ 62,000.00	\$ -
W2705 PRV Replacement	\$ 30,000.00	\$ -	\$ 32,000.00	\$ -	\$ 37,000.00	\$ -
W2803 Sudden Valley Water Treatment Plant - Replace Finished Water Pumps	\$ -	\$ 1,140,000.00	\$ -	\$ -	\$ -	\$ -
Sudden Valley Water Treatment Plant - Replace Transfer Pumps - Design & Construction	\$ -	\$ -	\$ -	\$ 559,000.00	\$ -	\$ -
W2804 Sudden Valley Water Treatment Plant - Flocculation Tank Rehabilitation	\$ -	\$ 50,000.00	\$ -	\$ -	\$ -	\$ -
Sudden Valley Water Treatment Plant - Replace Raw Water Pumps	\$ -	\$ -	\$ 389,000.00	\$ -	\$ -	\$ -
Sudden Valley Water Treatment Plant - Auto Backwash & Startup Mods	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 191,000.00
Sudden Valley Water Treatment Plant - Soda Ash Dosing Pumps	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 45,000.00
C2517 Division 22-1 Reservoir Replacement	\$ 1,667,622.00	\$ 1,667,622.00	\$ -	\$ -	\$ -	\$ -
W2706 Division 7 Transmission Main	\$ 185,000.00	\$ -	\$ -	\$ -	\$ -	\$ -
W2707 Pressure Monitors	\$ 50,000.00	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal - Capital Projects - Water Only	\$ 6,430,622.00	\$ 3,543,378.00	\$ 475,000.00	\$ 1,002,000.00	\$ 99,000.00	\$ 236,000.00
GRAND TOTAL	\$ 6,606,622.00	\$ 3,584,378.00	\$ 692,000.00	\$ 1,097,000.00	\$ 158,000.00	\$ 372,000.00

Sewer System Reinvestment Plan 2027 through 2032

Project #	2027	2028	2029	2030	2031	2032
Capital Outlay - General (Sewer Share)						
G2801 IT Infrastructure (Shared)	\$ -	\$ 30,000.00	\$ -	\$ -	\$ -	\$ -
5-Yard Dump Truck (Shared)	\$ -	\$ -	\$ 99,000.00	\$ -	\$ -	\$ -
Mini Excavator (Shared)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 59,000.00
Management Staff Vehicles (Shared)	\$ -	\$ -	\$ -	\$ 23,000.00	\$ -	\$ -
Tool Truck Replacement Schedule (Shared)	\$ -	\$ -	\$ -	\$ 60,000.00	\$ -	\$ 64,000.00
O&M Building Windows (Shared)	\$ -	\$ -	\$ -	\$ -	\$ 47,000.00	\$ -
Subtotal - Capital Outlay - General (Sewer Share)	\$ -	\$ 30,000.00	\$ 99,000.00	\$ 83,000.00	\$ 47,000.00	\$ 123,000.00
Capital Outlay - Sewer Only						
Update Sewer Comp Plan	\$ -	\$ -	\$ 124,000.00	\$ -	\$ -	\$ -
S2701 Towable Sewer Pump	\$ 200,000.00	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal - Capital Outlay - Sewer Only	\$ 200,000.00	\$ -	\$ 124,000.00	\$ -	\$ -	\$ -
Capital Projects - Sewer Only						
S2702 Sewer System Rehab & Replacement Projects	\$ 39,000.00	\$ 40,000.00	\$ 65,000.00	\$ 76,000.00	\$ 78,000.00	\$ 80,000.00
C2510 Agate Bay Sewer Lift Station Construction	\$ 947,000.00	\$ -	\$ -	\$ -	\$ -	\$ -
S2801 Flatcar, SV and Beaver Lift Station - Recondition Electrical Controls	\$ -	\$ 750,000.00	\$ -	\$ -	\$ -	\$ -
Flatcar Sewer Lift Station Building Roof	\$ -	\$ -	\$ -	\$ 24,000.00	\$ -	\$ -
Sudden Valley Sewer Lift Station - Building Roof	\$ -	\$ -	\$ -	\$ 24,000.00	\$ -	\$ -
Sudden Valley Sewer Lift Station - (Wet Well)	\$ -	\$ -	\$ -	\$ -	\$ 91,679.00	\$ -
Beaver Sewer Sewer Lift Station - Building Roof	\$ -	\$ -	\$ -	\$ 24,000.00	\$ -	\$ -
Northshore Flow Meter - Revise Flow Meter Piping	\$ -	\$ -	\$ 25,000.00	\$ -	\$ -	\$ -
S2703 Airport Sewer Crossing Gravity Pipeline Sag - Reinstall 250LF to Remove Sag	\$ 52,000.00	\$ -	\$ -	\$ -	\$ -	\$ -
S2704 City of Bellingham Waste Treatment Plant Improvements	\$ 310,000.00	\$ 960,000.00	\$ -	\$ -	\$ 1,920,000.00	\$ -
S2705 Lowe Sewer Lift Station to Glen Cove Lane HDD Gravity Sewer	\$ 40,000.00	\$ -	\$ 1,800,000.00	\$ -	\$ -	\$ -
Subtotal - Capital Projects - Sewer Only	\$ 1,388,000.00	\$ 1,750,000.00	\$ 1,890,000.00	\$ 148,000.00	\$ 2,089,679.00	\$ 80,000.00
GRAND TOTAL	\$ 1,588,000.00	\$ 1,780,000.00	\$ 2,113,000.00	\$ 231,000.00	\$ 2,136,679.00	\$ 203,000.00

CAPITAL PROJECT NARRATIVE

Project Name:	Replace Sudden Valley WTP Chlorine Contact Basin (CCB)
CIP #:	C2316

PURPOSE and DESCRIPTION OF THE PROJECT

The purpose of this project is to replace the Sudden Valley Water Treatment Plant Chlorine Contact Basin (CCB) to address the deficiencies identified in the 2016 Seismic Evaluation prepared by BHC Consultants, Inc., the 2016 tracer study completed by Gray & Osborne, Inc. and the 2020 coatings assessment completed by Evergreen Coatings Engineers.

In the past 10 years, multiple evaluations have been completed that have identified deficiencies with the existing CCB that need to be addressed to ensure that the South Shore water treatment system continues to operate reliably and efficiently now and into the future. The identified deficiencies include:

- A seismic vulnerability assessment was completed in 2016 and determined that the Chlorine Contact Basin did not meet current seismic design standards and would be unlikely to survive a significant earthquake. First, the report stated that the concrete ring wall foundation did not provide sufficient uplift resistance and, secondly, the existing rigid piping connections present a risk of damage that would result in emptying of the reservoir.
- The CCB was originally designed to provide sufficient chlorine contact time for the design water treatment capacity of 2 million gallons per day (MGD). This sizing was based on an estimated baffling factor of 0.7. In 2016, Gray & Osborne, Inc. completed a tracer study on behalf of the Washington State Department of Health to determine the actual baffling factor. Based on the results of this evaluation, the baffling factor was revised from 0.7 to 0.3. As a result, the capacity of the CCB is less than the rated capacity of the plant of 2.0 MGD.
- In 2020, Evergreen Coatings Engineers completed an assessment of the interior and exterior coating system that revealed that the coating system is nearing the ends of its useful service life.

In light of these deficiencies, the District submitted a FEMA Hazard Mitigation Grant application to replace the existing CCB with a new CCB designed to meet seismic design standards and to provide sufficient chlorine contact time to treat the plant design capacity of 2.0 MGD. The grant application was developed in conjunction with Washington State Emergency Management Division (WA-EMD) of the Washington State Military Department and the Federal Emergency Management Agency (FEMA) as a hazard mitigation project in 2022. In 2024, the District received approval for the application with cost sharing as follows: FEMA 75% (\$1,472,250), WA-EMD 12.5% (\$245,375), and Lake Whatcom Water and Sewer District 12.5% (\$245,375).

In 2025, to fund projected construction cost overruns associated with selection of a rectangular concrete reservoir as the preferred alternative for the new CCB, the District applied for and was

CAPITAL PROJECT NARRATIVE

awarded a Drinking Water State Revolving Fund loan in the amount of \$1,700,000. Loan term is 20 years at 2.25%.

The project will construct a new rectangular concrete chlorine contact basin immediately west of the existing pump house building. The new basin will have capacity to treat the plant capacity of 2.0 MGD. If additional grant funding is awarded (which has been requested), the basin will be separated into two treatment trains, allowing the District to take one half of the basin out of service while continuing to treat up to 700 gallons per minute.

For further information about this project contact Greg Nicoll.

Revision History

- Created 10/27/2021 by KPS (G&O).
- 10/21/2024 – Scope, schedule and budget updated (GN)
- 8/12/2026 – Updated (GN)

CAPITAL PROJECT NARRATIVE

Project Name:	Geneva Reservoir and Sudden Valley WTP Pump House Seismic Improvements
CIP #:	C2402

PURPOSE and DESCRIPTION OF THE PROJECT

The purpose of this project is to complete seismic upgrades recommended by the 2016 Seismic Deficiency Report prepared by BHC Consultants, Inc. and the 2022 SV WTP Improvements Master Plan to ensure the facilities can survive a design level earthquake.

The District provides potable water to its South Shore water system, which includes the Sudden Valley and Geneva communities, wholly by water treated at its Sudden Valley Water Treatment Plant (SVWTP). Finished water from the SVWTP is conveyed to the South Shore water distribution system by four pumps that are housed within the SVWTP Pump House. In 2022, as part of the Sudden Valley Water Treatment Plan Improvements Master Plan, Gray & Osborne Engineers completed a seismic evaluation of the SVWTP Booster Station and identified structural improvements that are required to ensure that the building can survive a significant earthquake.

Storage and system pressure is maintained in the South Shore distribution system by five reservoirs, which includes the Geneva Reservoir, a 500,000-gallon welded steel reservoir. The Geneva Reservoir serves most of the Geneva community, which includes approximately 1,136 connections. In 2016, BHC Consultants performed a seismic vulnerability assessment of the District's steel reservoirs, including the Geneva Reservoir. The assessment identified two structural deficiencies with the Geneva Reservoir (inadequate uplift resistance of the foundation and insufficient anchorage) that would prohibit the Geneva Reservoir from surviving a significant earthquake.

As a result of these findings, the District identified the need to complete upgrades to ensure that both structures meet current seismic standards. To meet seismic requirements, the project will replace the interior center column with a new center column, complete structural repairs resulting from corrosion of the tank walls and structural members and lower the operating water level in the tank. The project will also construct seismic improvements at the SV WTP Pump House building to ensure it will remain in service following a significant earthquake.

In 2022, the Evergreen Coatings Engineers completed a coatings evaluation of the District's coated steel reservoirs. The evaluation determined that the coatings on the Geneva reservoir are nearing the end of their useful life. In addition, the structural improvements that will be completed as part of this project, will damage the interior and exterior coatings. As a result, complete recoating of the interior and exterior of the reservoir will be completed as part of this project.

In 2022, the District submitted a FEMA Hazard Mitigation Grant application to complete seismic retrofits to the Geneva Reservoir and the SVWTP Booster Station. The grant application was developed in conjunction with Washington State Emergency Management Division (WA-EMD) of the Washington State Military Department and the Federal Emergency Management Agency (FEMA) as a hazard mitigation project which was approved in 2024. The grant will fund 95% of the design and construction costs for this project.

CAPITAL PROJECT NARRATIVE

The 2025-26 Capital Improvement Plan, which was established before the scope of seismic improvements was known, included recoating of the Geneva reservoir in 2030. To fund the recoating during the seismic improvements project, 3 years before the project was budgeted, the District applied for and was awarded a Drinking Water State Revolving Fund loan in the amount of \$1 million. Loan term is 20 years at 2.25%.

Design of the project is 90%+ complete and building permits are ready to issue once the contractor is selected. The project is on schedule to advertise for bids in early 2027. It is currently planned to combine this project with the Division 22-1 reservoir replacement project into a single project for construction. The projects will be included in separate schedules of work to ensure proper accounting of costs.

For further information about this project, contact Greg Nicoll.

Revision History

- Created 10/21/2024 by GN
- Updated 8/12/2026 by GN

CAPITAL PROJECT NARRATIVE

Project Name:	Agate Bay Lift Station Retrofit
CIP #:	C2510

PURPOSE and DESCRIPTION OF THE PROJECT

Project includes retrofitting an existing Smith & Loveless underground, dry-pit duplex pump station with new pumps, controls, telemetry, pressure transducers for monitoring the wet well level, valves, and site piping. The retrofit is part of a District wide pump station plan to replace all 30+ year old equipment.

The existing lift station was installed in the 1977 and a new stationary generator was added to the site in 2011. The site is located adjacent to Lake Whatcom.

The station has two existing 15 horsepower vacuum-primed pumps installed in a below grade dry pit; each has a design point of 350 GPM at 72-feet TDH. The wet well diameter is 10-feet, and the power service is currently 3-phase / 230V.

In 2025, District staff completed an alternative analysis which evaluated three alternatives for rehabilitation and reconfiguration of the lift station. The recommended alternative will replace the below grade vacuum-primed package lift station with new submersible pumps and valves. The valves will be installed in a new below grade vault. The existing wet well will be reused and extended to grade and new controls and motor starters will be installed in new cabinets covered by an awning. The existing power service will be reused and existing site piping will be revised as needed to accommodate the reconfiguration.

In 2026, the District Engineer completed mechanical and civil design of the lift station renovation and the District contracted with K Engineers for electrical design and Kingworks Engineers for design of the awning over the control panels. The project is scheduled to be advertised for bids in early 2027, pending issuance of a Shoreline Substantial Development Permit by Whatcom County.

For further information about this project contact Greg Nicoll.

Revision History

- Created 8/1/2006.
- Revised 8/2/2006 by MMM: Revised project scope, added budget.
- Revised 8/3/2006 by BH: Added to purpose.
- Revised 8/6/2007 by BH: Adjusted budget estimate to reflect recent Plum/Strawberry Canyon PS project costs.
- Revised 8/6/2009 by BH: Adjusted budget to reflect recent Tomb PS project.
- Revised 1/4/2010 by BH: Removed stationary generator – broke out as separate 2010 project.
- Revised 10/4/2011 by BH: Adjusted budget numbers slightly.
- Revised 10/24/17 by KH: Updated narrative and updated budget numbers based on recent pump station projects.
- Revised 8/22/24 by GN: Revised cost estimate.
- Revised 8/11/26 by GN: Updated project status and scope of construction.

CAPITAL PROJECT NARRATIVE

Project Name:	Replace Division 22-1 Reservoir
CIP #:	C2517

PURPOSE and DESCRIPTION OF THE PROJECT

The purpose of this project is to replace the Division 22-1 Reservoir to address the deficiencies identified in the 2016 Seismic Evaluation produced by BHC Consultants, Inc. and the 2020 coatings assessment completed by Evergreen Coatings Engineers.

In the past 10 years, multiple evaluations have been completed that have identified deficiencies with the existing Division 22-1 Reservoir that need to be addressed to ensure that the District's water storage and distribution system continues to operate reliably and efficiently now and into the future. The identified deficiencies include:

- A seismic vulnerability assessment was completed in 2016 and determined that the Division 22-1 Reservoir did not meet current seismic design standards and would be unlikely to survive a significant earthquake. First, the report stated that the concrete ring wall foundation did not provide sufficient uplift resistance and, secondly, the existing rigid piping connections present a risk of damage that would result in emptying of the reservoir.
- In 2020, Evergreen Coatings Engineers completed an assessment of the interior and exterior coating system that revealed that the coating system is nearing the ends of its useful service life and significant corrosion has compromised the structural integrity of the reservoir roof.

In light of these deficiencies, the District submitted a FEMA Hazard Mitigation Grant (HMG) application to replace the existing reservoir with a new reservoir designed to meet seismic design standards. The grant application was developed in conjunction with Washington State Emergency Management Division (WA-EMD) of the Washington State Military Department and the Federal Emergency Management Agency (FEMA) as a hazard mitigation project in 2024. In 2025, the District received notice of grant award with cost sharing as follows: FEMA 75% (\$2,125,500), WA-EMD 12.5% (\$358,750), and Lake Whatcom Water and Sewer District 12.5% (\$358,750). In August 2026, FEMA approved a District request to increase the total project budget by \$1,219,450 to cover projected cost overruns.

Because the funding was awarded following adoption of the 2025-26 biennial budget, this project was not included in the budget. As a result, to fund the District cost share, the District applied for and was awarded a Public Works Board loan in the amount of \$365,000 with an interest rate of 2.12% and a loan repayment period of 20 years. The District also applied for and was awarded a congressional earmark from Congressman Larsen in the amount of \$700,000 to cover projected cost overruns.

CAPITAL PROJECT NARRATIVE

In 2025, following award of the HMG, the District solicited for design and construction administration services for the project and selected Gray & Osborne. To date, design is approximately 90% complete and the project is scheduled to be advertised for bids in early 2027.

For further information about this project contact Greg Nicoll.

Revision History

- Created 7/29/2026 (GN).

CAPITAL PROJECT NARRATIVE

Project Name:	IT Infrastructure – Replace/Update Hardware, Network Security, & OS
Project #:	G2801

PURPOSE and DESCRIPTION OF THE PROJECT

Replace/update accounting and administrative server, and operating systems. Information technology professionals typically recommend a server hardware refresh cycle every 7 years as best practice.

At the administrative office and the maintenance facility, the District currently utilizes a single server running several virtualized servers. The servers are essential to daily operations including accounting and customer service (Springbrook), electronic document management of district archive files (LaserFiche), computerize asset management system (OpenGov), geographic information system (GIS), data files, and shared calendars.

District customers, Board of Commissioners, and management expect a very high level of service delivered by the servers. Continuous service with no more than one 4-hour or longer unplanned outage during business hours per year is management's level of service goal. To meet this level of service, replacement of server hardware should follow industry best practice of a 7-year replacement cycle.

Most recent server replacement project was C2007 which replaced the admin server and reallocated the older server to shop in early 2022.

For further information about this project call Jason Dahlstrom.

Revision History

- Created 7/19/2006.
- Update 8/2/2006.
- Update description 11/7/2012. Bill Hunter.
- Updated 12/5/2016 by BH. Updated budget estimate.
- Updated 11/4/2019 by BH. Updated description and budget estimate.
- Updated 9/28/2022 by BH. Updated description and budget estimate.
- Updated 8/12/2026 by JD.

CAPITAL PROJECT NARRATIVE

Project Name:	High-Head, High-Flow Towable Sewer Pump
CIP #:	S2701

PURPOSE and DESCRIPTION OF THE PROJECT

Background Information

The District currently operates a single towable bypass pump to support routine maintenance and emergency response across its sewer infrastructure. However, several key lift stations within the system are characterized by high dynamic head requirements and higher peak flow volumes that exceed the operational capacity and head curve of our existing unit.

Relying on a single towable pump presents significant operational limitations:

- **Capacity Mismatch:** High-head, high-flow lift stations require specialized pump performance to convey wastewater efficiently against steep elevation gains or during peak demand.
- **Lack of Redundancy:** If a primary pump fails at a high-head station while our sole towable pump is deployed elsewhere, undergoing maintenance, or inadequate for the operating conditions, emergency response options are severely constrained.
- **Severe Weather Vulnerability:** Extended power outages or major inflow and infiltration (I&I) events can require simultaneous pumping support across multiple critical lift stations.

Purchase of an additional, purpose-built, towable sewer pump specifically configured for high-flow and high-head conditions would substantially mitigate these vulnerabilities.

Project Benefits

- **Enhanced System Redundancy & Reliability:** Ensures dedicated backup pumping capabilities capable of meeting the heavy flow and high head demands of our most challenging lift stations during primary equipment failures or power outages.
- **Prevention of Sanitary Sewer Overflows (SSOs):** Significantly reduces the risk of wastewater surcharging, backups, and environmental contamination at high-elevation, high-risk lift station sites.
- **Improved Operational & Maintenance Flexibility:** Enables planned, offline maintenance, wet-well cleanouts, and major station overhauls without compromising system capacity or relying on temporary third-party rentals.
- **Regulatory Compliance & Environmental Protection:** Aligns with Department of Ecology and Department of Health standards for utility disaster resiliency while safeguarding Lake Whatcom watershed.
- **Long-Term Cost Efficiency:** Eliminates recurring emergency equipment rental fees and mitigates potential liabilities and cleanup costs associated with sewer overflows.

CAPITAL PROJECT NARRATIVE

For further information about this project contact Jason Dahlstrom.

Revision History

- Created 7/30/2026 (JD)

CAPITAL PROJECT NARRATIVE

Project Name:	Sewer System Rehabilitation and Replacement Projects
CIP #:	S2702

PURPOSE and DESCRIPTION OF THE PROJECT

This project combines several separate District projects into one annual project. The goals of this project include finding and repairing inflow and infiltration (I&I) sources, rehabilitating degraded pipelines, and increasing capacity where needed to provide for planned growth and future flow rates.

The annual project scope and focus will vary based on the type of high-priority items identified during the previous year. Types of work include sewer main slip lining (spot repairs and full lengths), pressure grouting service tees, pressure grouting manhole leaks/voids, rebuild/seal manholes, smoke testing, and other efforts to reduce I&I, rehabilitate pipelines, and increase capacity where needed.

For further information about this project call Greg Nicoll.

Revision History

- 10/26/2011. Combined separate I&I related projects into one annual project budget. Bill Hunter. Footnote: October 2011 Pro-Vac Estimate (Hank) for Smoke Testing: \$0.65/LF and can test approximately 10,000 LF per day.
- 11/18/2013. Minor budget updates. Bill Hunter.
- 12/6/2016. Updated budget for year 2017. BH.
- 11/6/2018. Updated budget for year 2019. BH.
- 11/4/2019. Updated budget for year 2020. BH.
- 12/1/2020. Updated budget and cost estimates for year 2021, edited project description. BH & KH.
- 11/30/2021. Updated budget and cost estimates for year 2022, edited project description. BH.
- 8/22/24: Updated budget for 2025-26 budget. GN.
- 8/12/2026: Updated (GN)

CAPITAL PROJECT NARRATIVE

Project Name:	Airport Sewer Crossing Gravity Pipeline Sag – Reinstall to Remove Sag
CIP #:	S2703

PURPOSE and DESCRIPTION OF THE PROJECT

Camera inspection in 2022 of Sewer Main #23-010 installed in 1973 crossing the former Sudden Valley airport showed pipe has 275 ft of sag that is more than 100% of pipe diameter (Task #T22-0522). The total length of main is approximately 310 LF and is 8" ductile iron pipe.



This project will replace the section of sagging pipe with new 8" ductile iron pipe to eliminate the sag.

For further information about this project contact Greg Nicoll.

Revision History

- Created 9/28/22 by BH.
- Updated 8/12/2026 (GN)

CAPITAL PROJECT NARRATIVE

Project Name:	City of Bellingham Post Point WWTP Capital Improvements
CIP #:	S2704

PURPOSE and DESCRIPTION OF THE PROJECT

Per the Interlocal Agreement (ILA) between the District and the City of Bellingham (City) dated March 27, 2014, the City agrees to accept, convey, treat and dispose of the District's sewage for a fee. Section 6.2 of the ILA stipulates that "[t]he District shall reimburse the City for the District's proportionate share of the costs of Major Improvements...to the Post Point Treatment Facility in an amount equal to 4.8% of Eligible Project Costs." Section 6.2.2 of the ILA defines "Major Improvements" as "...individual projects that meet both of the following criteria: (a) the project is for the purpose of maintaining, repairing, replacing, improving or expanding the Post Point Treatment Plant or any component thereof; and (b) the actual cost of the project is greater than or equal to Five Million Dollars (\$5,000,000).

Based on discussions with City of Bellingham staff, a recently received Notice of Upcoming Capital Contribution Charges, and the City's capital improvement plan, the City has three major capital projects at the Post Point WWTP scheduled between 2027 and 2031 that will trigger reimbursement of costs by the District as noted above:

Project	Year of Construction	Total Project Cost*	District-Responsible Cost*
Emergency Generator Replacement	2027	\$6,400,000	\$310,000
Sludge Tank Replacement	2027	\$20,000,000	\$960,000
Emission Control Upgrades	2031	\$40,000,000	\$1,920,000

** all costs are estimated based on information provided by the City of Bellingham. District-responsible costs will be based on the actual construction costs.*

For further information about this project contact Greg Nicoll.

Revision History

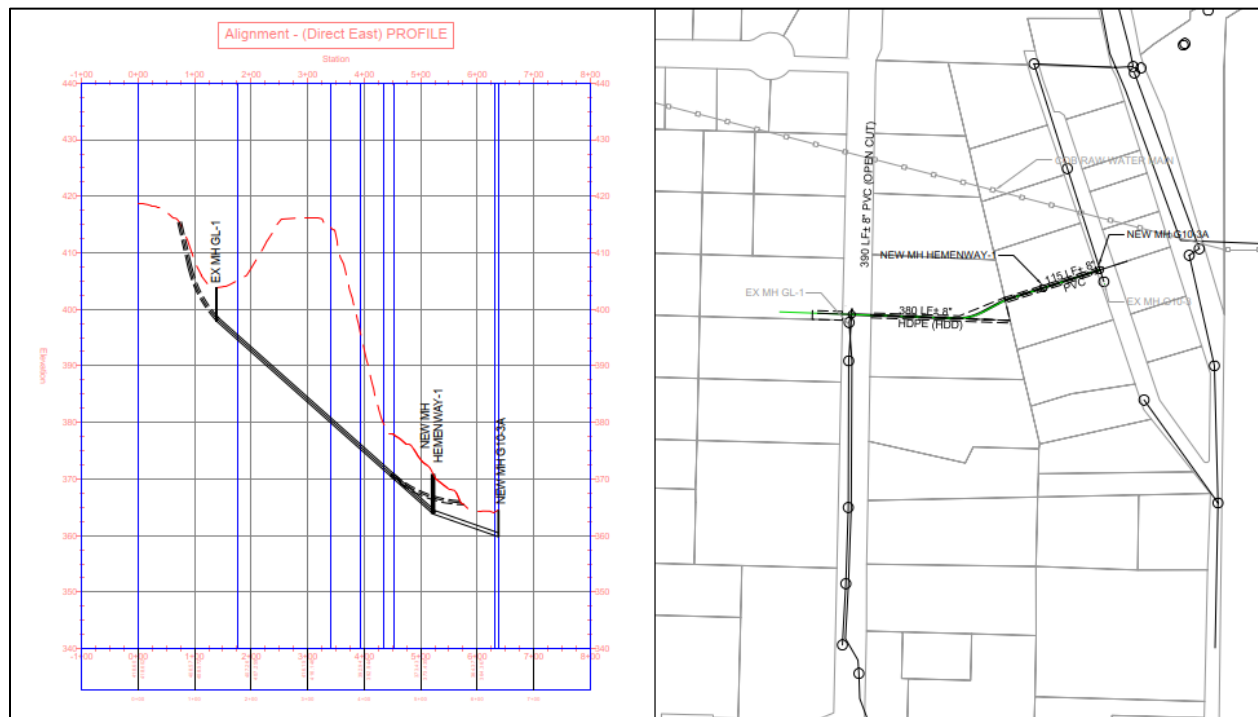
- Created 10/23/2024 by GN.
- Update 8/12/22026 (GN)

CAPITAL PROJECT NARRATIVE

Project Name:	HDD Gravity Sewer – Lowe Lift Station to Glen Cove Lane
CIP #:	S2705

PURPOSE and DESCRIPTION OF THE PROJECT

The Lowe Lift Station is a small lift station constructed in 1990 to serve 15 lots along Lowe Street north of Lakeway Drive. Based on a review of topography, it appears that the gravity sewer main could be extended from immediately upstream of the lift station to the gravity sewer in Glen Cove Lane, eliminating this sewer lift station. The new gravity sewer pipe extension would be approximately 495 feet in length at an average slope of 6 percent. However, there is a substantial ridge between the lift station and Glen Cove Lane and it would be necessary to install approximately 380 feet of the new sewer by directional drilling. The sewer main would be up to 30 feet deep. In addition, the proposed sewer alignment would run along property lines for four separate privately owned residential parcels and would cut across the corner of one of those parcels. It would be necessary to negotiate easements with all four property owners to accommodate the new sewer.



Although this project has numerous challenges and uncertainties, it presents an intriguing opportunity to eliminate an existing sewer lift station that is in need of rehabilitation in the near future. Eliminating this lift station would reduce operating, maintenance and recurring rehabilitation costs as well as increasing the resiliency of the system by eliminating a potential point of failure.

Due to the numerous challenges and uncertainties associated with this project, the 2027-2028 project budget is limited to a feasibility study that would include a evaluation of costs and

CAPITAL PROJECT NARRATIVE

benefits, feasibility of obtaining the required easements, further evaluation and refinement of the proposed alignment, geotechnical investigation, and identification of any currently unknown risks and obstacles. If the study determines that the project is feasible, funding for design and construction will be included in future biennial budgets.

For further information about this project contact Greg Nicoll.

Revision History

- Created 9/16/2026 by GN.

CAPITAL PROJECT NARRATIVE

Project Name:	Sudden Valley, Flat Car and Beaver Lift Stations – Replace Motor Starters
CIP #:	S2801

PURPOSE and DESCRIPTION OF THE PROJECT

The pump motor starters at Flat Car (SPFLA), Beaver (SPBEA) and Sudden Valley (SPSUD) Lift Stations, which are critical components to the reliable operation of sewer lift stations, were installed in 2003 and have not been significantly rehabilitated since that time. These three stations pump nearly all of the sewage from the Sudden Valley service area and failure of any of these stations would severely limit the ability to convey sewage from the service area to the City of Bellingham's collection system.

The typical useful life of a motor starter is typically between 25 and 30 years and the motor starters installed at these three stations are no longer made and support for these units is no longer available. As a result, the motor starters in these three stations present a significant business risk to the District.

This project will replace the three starters in SPBEA, three starters in SPFLA and four starters in SPSUD. All of the existing motor starters are "soft-start" motor starters which slowly speed up and slow down the motor when starting and stopping but the full running speed of the motors (and thereby the pumping capacity) cannot be lowered. The soft-start capability prevents abrupt changes in flow during start up and shut down that can result in "water hammer", which can cause significant damage to piping and infrastructure.

This project will replace the soft-start motor starters in SPBEA and SPSUD in kind as flow capacity reduction through the use of a variable frequency drive (VFD) is not needed for these two stations. The Flat Car Lift Station, however, is configured to either pump through a 12" force main that discharges to Beaver Lift Station (normal operation) or through an 8" force main to the Sudden Valley Detention basin (emergency operation, also known as "reverse flow"). When pumping in the "reverse flow" configuration, the velocity in the 8" force main can be as high as 9 feet per second, which is above the recommended maximum flow velocity of 8 feet per second. When the pumps are operating normally, the soft starts provide sufficient protection to the system. However, in the event of sudden power loss while the pumps are running, this high velocity could result in significant pressure spikes that could exceed the pressure rating of the force main piping.

This project will include a complete evaluation of hydraulics and potential benefits and challenges of replacing the SPFLA motor starters with VFDs.

Because the scope of this project is not yet fully understood, the actual project cost is not fully known. As a result, the current budget may not be sufficient to complete starter replacement at all three lift stations and the project may need to be phased with additional budget included in future biennial budgets.

Revision History

- Created 8/19/2026 (GN)

CAPITAL PROJECT NARRATIVE

Project Name:	Misc. Water Capital Outlay
CIP #:	W2701

PURPOSE and DESCRIPTION OF THE PROJECT

Annual budget line item to fund emergent issues and minor improvements associated with water system infrastructure. This may include minor improvements such as new valves, small pipe replacements, leak repairs, and other minor improvements to the water system not anticipated at the time of budgeting.

Past projects funded by this annual budget include emergency replacement of a check valve on the raw water intake at the Sudden Valley WTP, installation of PRV vault drains, and emergency replacement of a 6-inch broken water main.

For further information about this project call Greg Nicoll.

Revision History

- 11/20/24 – Project Narrative Creation – GN

CAPITAL PROJECT NARRATIVE

Project Name:	Update Water System Comprehensive Plan
CIP #:	W2702

PURPOSE and DESCRIPTION OF THE PROJECT

RCW 57.16.010 states that the District “shall adopt a general comprehensive plan for the type or types of facilities the district proposes to provide”. The current Water System Plan Update was adopted by the District Board of Commissioners on June 27, 2018 and approved by Washington State Department of Health on October 3, 2018. The District updates the plan every 10 years.

The purpose of the water system comprehensive plan is to provide an overview of the existing water installations and treatment facilities operated and maintained by Lake Whatcom Water and Sewer District. In addition, it addresses potential future facilities development and projected population growth. The plan covers the following topics:

- system owner/operator information,
- sewer system layout including a description of the existing system boundaries, description of existing facilities including recently completed improvements,
- discussion of development trends within District boundaries,
- discussion of existing and future distribution and treatment issues such as existing and future water demand,
- discussion of water rate structure and revenue planning,
- discussion of present and future development alternatives within the district boundaries,
- outline of future improvement projects within the District.

Additional guidance is provided in Title 57 RCW Water-Sewer Districts:

RCW 57.16.010 - Before ordering any improvements or submitting to vote any proposition for incurring any indebtedness, the district commissioners shall adopt a general comprehensive plan for the type or types of facilities the district proposes to provide. A district may prepare a separate general comprehensive plan for each of these services and other services that districts are permitted to provide, or the district may combine any or all of its comprehensive plans into a single general comprehensive plan.

RCW 57.16.010 (1) - For a general comprehensive plan of a water supply system, the commissioners shall investigate the several portions and sections of the district for the purpose of determining the present and reasonably foreseeable future needs thereof; shall examine and investigate, determine, and select a water supply or water supplies for such district suitable and adequate for present and reasonably foreseeable future needs thereof; and shall consider and determine a general system or plan for acquiring such water supply or water supplies, and the lands, waters, and water rights and easements necessary therefor, and for retaining and storing any such waters, and erecting dams, reservoirs, aqueducts, and pipe lines to convey the same throughout such district. There may be included as part of the system the installation of fire hydrants at suitable places throughout the district. The commissioners shall determine a general comprehensive plan for distributing such water throughout such portion of the district as may then

CAPITAL PROJECT NARRATIVE

reasonably be served by means of subsidiary aqueducts and pipe lines, and a long-term plan for financing the planned projects and the method of distributing the cost and expense thereof, including the creation of local improvement districts or utility local improvement districts, and shall determine whether the whole or part of the cost and expenses shall be paid from revenue or general obligation bonds.

For further information about this project call Greg Nicoll.

Revision History

- Created 8/12/2026 (GN).

CAPITAL PROJECT NARRATIVE

Project Name:	Update Water Use Efficiency Plan
CIP #:	W2703

PURPOSE and DESCRIPTION OF THE PROJECT

The Washington State Department of Health-administered Water Use Efficiency (WUE) Program and WAC 246-290-810 require the District to describe and implement a water use conservation and system reliability measures with the goal of ensuring long-term safe and reliable drinking water.

The WUE Plan (Plan) summarizes progress to date and updates the goals and measures adopted by the District since the last Plan revision (2021) to ensure that all DOH requirements are met. The Plan includes:

- compilation and analysis of water use data collected during the reporting period;
- demand forecasting;
- evaluation of system leakage;
- a summary of water efficiency goals; and,
- proposed measures to achieve those goals.

The WUE Plan will updated as part of the Comprehensive Water System Plan Update.

For further information about this project call Greg Nicoll.

Revision History

- Created 8/12/2026 (GN).

CAPITAL PROJECT NARRATIVE

Project Name:	Replace Fire Hydrants
CIP #:	W2704

PURPOSE and DESCRIPTION OF THE PROJECT

This project is a recurring project (currently biennial) to programmatically replace aging fire hydrants in the District system.

The District owns and operates 522 fire hydrants throughout the District service areas. 71% of the District hydrants were installed in the early 1970s and are nearing 60 years of continuous service. Reliable operation of these hydrants is critical for fire protection throughout the system. As the hydrants near the end of their useful life, a well-established program for programmatic replacement of the hydrants is needed for system reliability. Because many of the hydrants will reach the end of their useful lives near the same time, without a programmatic approach to hydrant replacement, a significant number of hydrants will require replacement near the same time, significantly burdening the District's limited budget.

To strategically manage these aging assets, the District has developed a Targeted Asset Management Plan (TAMP) for fire hydrants. This plan provides a summary of the assets, describes the District's processes for inspecting and maintaining the assets, and describing the current condition of the assets. In addition, OpenGov, the District's asset management software, tracks and calculates the current condition of the assets based on inspections completed by District staff. The information provided in the TAMP and OpenGov are used to identify the hydrants that present the most risk to the District and assist in prioritizing the hydrants for replacement.

This recurring budget includes funds for replacement of up to 5 hydrants every two years. As more hydrants get closer to the end of their useful life (typically 80 years), the number of hydrants replaced each year will increase accordingly as budget allows.

For further information about this project contact Greg Nicoll.

Revision History

- Created 8/12/2026 by GN.

CAPITAL PROJECT NARRATIVE

Project Name:	Replace Water Pressure Reducing Valves (PRVs)
CIP #:	W2705

PURPOSE and DESCRIPTION OF THE PROJECT

This project is a recurring project (currently biennial) to programmatically replace aging water PRVs in the District system.

The District owns and operates 105 PRVs throughout the District water distribution system. 75% of the District PRVs were installed in the early 1970s and are nearing 60 years of continuous service. Reliable operation of these PRVs is critical for managing the water pressure delivered to each connection as well as how water is distributed through the distribution system. Failure of a PRV could impact the ability of the District to provide continuous water service, result in excess pressure to service connections or result in release of substantial quantities of treated water to the environment. As the PRVs near the end of their useful life, a well-established program for programmatic replacement of the PRVs is needed for system reliability. Because many of the PRVs will reach the end of their useful lives near the same time, without a programmatic approach to PRV replacement, a significant number of PRVs will require replacement near the same time, significantly burdening the District's limited budget.

To strategically manage these aging assets, the District has developed a Targeted Asset Management Plan (TAMP) for PRVs. This plan provides a summary of the assets, describes the District's processes for inspecting and maintaining the assets, and describing the current condition of the assets. In addition, OpenGov, the District's asset management software tracks and calculates the current condition of the assets based on inspections completed by District staff. The information provided in the TAMP and OpenGov are used to identify the PRVs that present the most risk to the District and assist in prioritizing the PRVs for replacement.

This recurring budget includes funds for replacement of up to 5 PRVs every two years. As more PRVs get closer to the end of their useful life (typically 50 years), the number of PRVs replaced each year will increase accordingly as budget allows.

For further information about this project contact Greg Nicoll.

Revision History

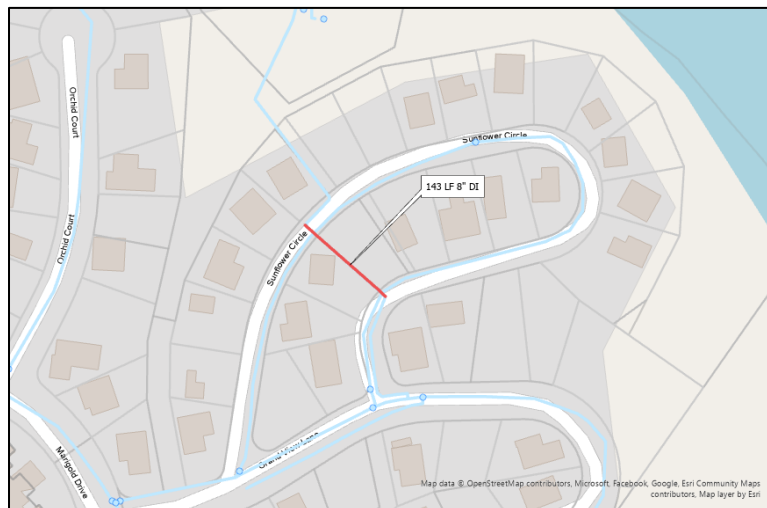
- Created 8/12/2026 by GN.

CAPITAL PROJECT NARRATIVE

Project Name:	Replace Division 7 Transmission Main
CIP #:	W2706

PURPOSE and DESCRIPTION OF THE PROJECT

All treated water that is conveyed to the Division 7 reservoirs flows through a 775 linear foot, 8-inch diameter ductile iron transmission main (Water Main SVT51) that runs from the Sudden Valley WTP Pump House to a connection to the water distribution system at the intersection of Grand View Lane and Sunflower Circle in Gate 1 of the Sudden Valley community. The main was installed in 1974 and no significant replacement or rehabilitation has been completed since that time. District Operations has identified and repaired a total of four leaking bell joints in a 143 linear foot section of this main that extends along a property line from the lower section of Sunflower Circle to the upper section of Sunflower Circle. All four of these repairs have been the result of failed bell joints between pipe segments, suggesting that the original installation may have been substandard.



To correct the deficient installation and eliminate water leakage from the system, the portion of the main shown above will be replaced with high-density polyethylene or restrained joint ductile iron pipe. It is planned to install this section of pipe using open-cut methods. However, during design, horizontal directional drilling, which will minimize disturbance to the adjacent properties will be evaluated for cost and feasibility.

It should be noted that the parcel on the northeast side of the alignment is currently undeveloped and replacement of the pipe prior to development of that lot would make installation much easier than if the work is completed after the lot is developed (timing for development of that lot, if ever, is not known).

For further information about this project contact Greg Nicoll.

Revision History

- Created 8/12/2026 by GN.

CAPITAL PROJECT NARRATIVE

Project Name:	Install Water Pressure Monitors
CIP #:	W2707

PURPOSE and DESCRIPTION OF THE PROJECT

Executive Summary

This project aims to modernize and expand smart water infrastructure by integrating automated pressure monitoring and logging capabilities across existing pressure zones. Building on successful initial data gathered from two pilot pressure monitors, this initiative will transition the District from reactive maintenance to proactive, data-driven pressure management. The primary goals are to safeguard infrastructure, maintain reliable service levels, and significantly reduce system water loss.

Background and Context

Pressure Reducing Valves (PRVs) are critical components of our distribution network, tasked with maintaining safe, manageable hydraulic pressure across eighteen pressure zones and demand periods. While existing PRVs function mechanically to reduce pressure, operating them without real-time telemetry leaves blind spots regarding instantaneous transient pressures, equipment wear, and unexpected zone fluctuations.

Project Scope and Implementation

Building on the success of the pilot installations, this project will retrofit one PRV station in each pressure zone with industrial-grade, battery- or solar-powered pressure monitoring and logging devices equipped with cellular telemetry.

Project Purpose and Expected Benefits

1. Immediate Alerting for High and Low Pressure Events

The central operational objective of installing these monitors is to establish instantaneous event notifications. The telemetry system will automatically generate high-priority alerts when line pressure crosses predefined safe operating thresholds:

- **High-Pressure Spikes:** Immediate alerts allow operators to isolate surges before they rupture aging mains, damage customer service connections, or cause catastrophic infrastructure failures.
- **Low-Pressure Drops:** Rapid alerts for unexpected pressure drops enable immediate dispatch of field crews to identify water system leaks, backflow risks, or valve malfunctions, minimizing service downtime.

2. Reduction of System Water Loss

Pressure management is one of the most cost-effective strategies for non-revenue water (NRW) reduction. Unmanaged high pressure—especially during low-demand nighttime hours—

CAPITAL PROJECT NARRATIVE

accelerates leak rates and stress on pipe walls. By combining continuous logging with active pressure monitoring, this project directly supports water loss reduction by:

- **Mitigating Background Leakage:** Optimizing pressure zones reduces the volume of water lost through existing leaks.
- **Preventing Main Breaks:** Eliminating severe transient pressure spikes lowers overall stress on pipe networks, significantly reducing the frequency of burst pipes.
- **Accelerating Leak Detection:** Logged pressure drops during low-flow periods serve as an early indicator of emerging leaks, allowing crews to fix issues long before surfacing water is reported.

3. Monitoring Flow between Sudden Valley and Geneva service areas

The District currently tracks bulk water transfers from the Sudden Valley service area into the Geneva service area using a mechanical flowmeter. Requiring manual, in-person flow data capturing creates data lags and delays awareness of unexpected flow variations. Installing a combined real-time pressure and flow monitoring device upgrades this transfer point with automated telemetry, delivering three key benefits:

- **Automated Data Capture:** Replaces manual reads with continuous logging for effortless compliance tracking and hydraulic balancing.
- **Instant Anomaly Alerts:** Generates immediate notifications for unexpected flow surges or pressure drops, signaling potential main breaks or major leaks.
- **Water Loss Mitigation:** Enables early detection of subtle, long-term flow discrepancies, preventing non-revenue water loss before significant volume is wasted.

For further information about this project contact Jason Dahlstrom.

Revision History

- 7/30/2026– Project Narrative Creation – Jason Dahlstrom



CAPITAL PROJECT NARRATIVE

Project Name:	Replace SVWTP Chlorine Analyzers
CIP #:	W2801

PURPOSE and DESCRIPTION OF THE PROJECT

Background Information

The current chlorine analyzers at Sudden Valley Water Treatment Plant (SVWTP) have been in continuous service for more than 10 years and are approaching the end of their useful life. Continued reliance on aging analyzer equipment increases the risk of downtime, inaccurate readings, and escalating maintenance requirements for a critical water quality monitoring function. The existing analyzers require buffer solution as part of their operation. These consumables create recurring costs, require staff time for ordering and replacement, and add routine maintenance tasks that can be reduced through newer analyzer technology. As the equipment continues to age, the likelihood of component failures and additional maintenance increases, which could affect operational reliability and staff efficiency.

Proposed Improvements

The project will install two new online chlorine analyzers that do not require buffer solutions for operation. Reagentless analyzer designs can support continuous chlorine monitoring while eliminating routine reagent replacement and reducing associated waste stream and maintenance requirements. The new analyzers will provide reliable monitoring of chlorine residuals while simplifying day-to-day operation for plant staff.

For further information about this project contact Jason Dahlstrom.

Revision History

- Created 8/12/2026 (JD)

CAPITAL PROJECT NARRATIVE

Project Name:	Physical Security Improvements – Phase 2
CIP #:	W2802

PURPOSE and DESCRIPTION OF THE PROJECT

The District owns and operates buildings and infrastructure throughout the service area that are susceptible to security breaches that could damage facilities and compromise the ability of the District to maintain service to the District customers. In 2022, the District contracted with BHC Consultants to complete a facility security assessment to evaluate existing security systems and provide recommendations for improvements to further secure the District facilities. Based on this evaluation, District staff have developed a preliminary plan for implementing the proposed improvements. Staff have separated the improvements into “system improvements”, such as access controls, security cameras, intrusion alarms, and “physical improvements”, such as fencing, reservoir ladder security and locks.

This phased project focuses on physical improvements including installing cages around existing reservoir access ladders, constructing fencing and installing new, more secure locks on access hatches and ladders at locations identified by the Facility Security Assessment.

The first phase of work was completed in 2025 and included installation of intrusion switches, ladder cages and new locks at the facilities identified by both BHC and District staff as being the most critical assets, including drinking water reservoirs and the Sudden Valley Water Treatment Plant. Phase 2 of this project will install security fencing around the Division 30 and Agate Heights reservoirs, which are the only two unfenced District drinking water reservoirs (note that the Division 22 reservoirs will be fenced during the project to replace the Division 22-1 reservoir, which is scheduled to begin construction in 2027).

For further information about this project contact Greg Nicoll.

Revision History

- 10/17/2024 – Created by Greg Nicoll.

CAPITAL PROJECT NARRATIVE

Project Name:	SVWTP – Replace Finished Water Pumps
CIP #:	W2803

PURPOSE and DESCRIPTION OF THE PROJECT

All treated water produced by the Sudden Valley Water Treatment Plant (SVWTP) is pumped into the distribution system by four vertical turbine pumps housed in the adjacent pump house building. Two of the pumps are 150-horsepower pumps and convey flow to the two Division 7 reservoirs and two of the pumps are 100-horsepower pumps that convey flow to the two Division 22 reservoirs. Operation of each pair of pumps is controlled by the set points in the respective reservoirs that they pump to. All four pumps were installed in 1992 and have not been substantially modified since that time. The motor starters that control operation of these pumps are outdated and can only provide constant speed control, limiting operational flexibility of the pumps and the SVWTP and resulting in high in-rush current during startup of the pumps.

These four pumps are uniquely critical to operation of the District's South Shore water treatment and distribution system. Concurrent failure of more than one of these pumps would severely hinder the ability to convey treated water from the SVWTP to the distribution system. Per the Sudden Valley Water Treatment Plant Assessment Report prepared by Gray & Osborne Engineers, Inc. in 2020, these pumps were in generally good condition at the time of assessment. However, as the report further notes, these pumps have been in continuous operation for more than 30 years and are likely at or beyond the end of their useful lives.

Due to the criticality of these pumps as well as the limitations that the operation of these pumps puts on operation of the SVWTP, the project will replace all four pumps in-kind. The motor control centers will be replaced with new MCCs equipped with variable speed drives, which will allow running the pumps at lower capacity, providing greater control and operational flexibility.

The project budget is based on replacement of all four pumps and motors in kind and replacement of the motor starters with VFDs. However, as a first phase of the project, an evaluation of the pumps, motor starters and system operation and demands will be completed to ensure the right solution is selected to meet the needs of the system.

For further information about this project contact Greg Nicoll.

Revision History

- Created 8/13/2026 (GN).

CAPITAL PROJECT NARRATIVE

Project Name:	SVWTP - Flocculation Tank Rehabilitation
CIP #:	W2804

PURPOSE and DESCRIPTION OF THE PROJECT

The flocculation tank is a critical component of the Sudden Valley Water Treatment Plant (SVWTP), providing gentle mixing and detention to allow the aluminum sulfate (alum) that is injected immediately upstream of the tank to bind together with particulate to create larger particles that can be more easily and effectively filtered from the water.

The existing flocculation tank is a 9,000 gallon coated welded steel reservoir installed in the SVWTP in 1994 and has not had significant rehabilitation since it was installed. The coatings near the water line have failed and the steel is actively corroding. In addition, there are indications that the bottom of the tank may be experiencing corrosion, though the extent of corrosion cannot be determined without more extensive investigation.



In September 2026, the District contracted with Evergreen Coatings Engineers to complete an inspection of the tank and provide recommendations for rehabilitation of the tanks. Based on preliminary findings from this inspection, the tank coatings are generally in good condition and corrosion of the bottom of the tanks is occurring but not presenting near-term risks to the tank with limited loss of steel thickness. The work included in this project will include targeted removal of corrosion above the water line and spot repair of damaged coatings with an epoxy-based coating suitable for use in drinking water applications. The tank bottom will be re-evaluated in 2031 to further evaluate the rate of floor steel thickness loss.

For further information about this project contact Greg Nicoll.

Revision History

- Created 8/11/2026 by GN.



**AGENDA
BILL
Item 8.A**

**General Manager's
Report**

DATE SUBMITTED:	October 21, 2026	MEETING DATE:	October 28, 2026
TO: BOARD OF COMMISSIONERS	FROM: Justin Clary, General Manager		
GENERAL MANAGER APPROVAL			
ATTACHED DOCUMENTS	1. General Manager's Report 2.		
TYPE OF ACTION REQUESTED	RESOLUTION ☐	FORMAL ACTION/ MOTION ☐	INFORMATIONAL /OTHER ☒

BACKGROUND / EXPLANATION OF IMPACT

Updated information from the General Manager in advance of the Board meeting.

FISCAL IMPACT

None.

RECOMMENDED BOARD ACTION

None required.

PROPOSED MOTION

None.



LAKE WHATCOM WATER AND SEWER DISTRICT

General Manager's Report

Upcoming Dates & Announcements

Regular Meeting – Wednesday, October 28, 2026 – 8:00 a.m.

Important Upcoming Dates

Lake Whatcom Water & Sewer District			
Regular Board Meeting	Thu Nov 12, 2026	6:30 p.m.	Board Room/Hybrid
Employee Staff Meeting	Thu Nov 12, 2026	8:00 a.m.	Board Room/Hybrid Commissioner Knakal assigned
Investment Comm. Meeting	Wed Oct 28, 2026	10:00 a.m.	Board Room/Hybrid
Safety Committee Meeting	Thu Nov 19, 2026	8:00 a.m.	Board Room
Lake Whatcom Management Program			
Policy Group Meeting	Wed Dec 2, 2026	3:00 p.m.	City of Bellingham Pacific St Ops Center, 2221 Pacific Street
Joint Councils Meeting	Spring 2027	TBD	TBD
Other Meetings			
WASWD Section III Meeting	Tue Nov 10, 2026	6:00 p.m.	Bob's Burgers 8822 Quil Ceda Pkwy, Tulalip, WA
Whatcom County Council of Governments Board Meeting	Wed Dec 9, 2026	3:00 p.m.	Council of Governments Offices 314 E Champion Street/Hybrid

Committee Meeting Reports

Safety Committee:

- No committee meeting has been held since the last board meeting.

Investment Committee:

- No committee meeting has been held since the last board meeting.

Upcoming Board Meeting Topics

- 2027-28 biennial budget adoption
- 2027 legislative session agenda approval
- 2027 non-represented employees cost-of-living-adjustment approval
- 2027 Wilson Engineering rates approval
- FEMA hazard mitigation grants amendments approval (authorizing construction phases)
- Geneva-Division 22-1 Reservoirs Improvements public works contract award
- SVWTP Chlorine Contact Basin Replacement public works contract award
- Community Assistance Program enhancement

2026 Initiatives Status

Administration and Operations

Water Right Adjudication

- Represent the District in the Water Resource Inventory Area (WRIA) 1 water right adjudication to ensure that its certificated and permitted rights are protected.
The District received the adjudication claim documents in March 2025. Legal counsel have approved submittal of claims for each water right to the Whatcom County Superior Court (June 1, 2027 deadline). Staff plan to file all claims on October 26.

Water and Sewer Rates Analysis

- With the current multi-year rate structure adopted through 2026, lead the District through a comprehensive review of water and sewer rates with the goal of adopting a new 5-year rate structure prior to development of the 2027-28 biennial budget.
The Board adopted the 2027-31 rate structure via Resolution No. 906 during its July 29 meeting.

2027-28 Biennial Budget

- Develop a balanced budget for the 2027-28 biennium.
Draft revisions of the budget were presented during August 26 and September 9 board meetings with consideration of adoption scheduled for the November 12 meeting.

Succession Plan

- With several staff retirements anticipated over the next five years, update the District's succession plan.
An update to the succession plan was completed in December 2025.

EUM Assessment/Strategic Plan

- Facilitate the AWWA Effective Utility Management assessment with board and staff and perform an update of the District's 6-year strategic business plan based upon the outcome of the EUM assessment.
The Board postponed the EUM assessment and strategic plan update to 2027 during its April 29 meeting.

APWA Accreditation

- Continue work towards multi-year effort to gain American Public Works Association accreditation.
The accreditation team is in the process of reviewing/completing the 273 accreditation practices applicable to the District (177 practices have been completed to-date).

Emergency Response/System Security/Safety

Emergency Readiness

- Continue use of Whatcom County Department of Emergency Management services to hold tabletop and/or field emergency response exercises.
Annual wet weather preparedness training was conducted on October 14. The 2026 emergency response exercise is scheduled for November 18.

AWIA Compliance

- Complete an update to the District's facility risk assessment in compliance with the American Water Infrastructure Act of 2018 (AWIA) deadline of June 30, 2026.
The updated risk assessment was submitted to USEPA on May 26.

- Complete an update to the District's emergency response plan in compliance with the AWIA deadline of December 31, 2026.

Update of the District's emergency response plan is nearing completion.

Safety Program Update

- Continue systematic review and revision of District's safety programs by updating nine (9) programs in 2026.

Staff has finalized updates to 11 programs (personal protective equipment, medical emergencies, hearing conservation, office safety, sodium hypochlorite, back injury prevention, welding, cutting & brazing, heat-related illness, securing loads, hand & power tools, and flagging & traffic control).

L&I START Program

- Initiate a multi-year effort to obtain District certification through the Washington State Department of Labor & Industries (L&I) Safety Through Achieving Recognition Together (START) program.

The risk management assessment component was completed by L&I on February 11 (report received on May 27), and the industrial hygiene and health and safety assessments were conducted on April 30 with employee interviews performed on May 21 (report received on July 21). Development of the 2027 achievement plan by the safety committee is underway.

Community/Public Relations

General

- Website

The District's web content is reviewed and updated on a regular basis. The District has implemented a function on the website that converts .pdf documents that meet Web Content Accessibility Guidelines (WCAG).

- Social Media

Posts are made to District Facebook, LinkedIn, and Nextdoor pages regularly; Nextdoor is also routinely monitored to identify District-related posts.

- Press Releases

Press releases were issued on January 30 (Commissioner Ford resignation), April 2 (Rep. Larsen earmark), April 9 (Commissioner Greif appointment), June 23 (clean audit for 2024-25), and September 3 (Soto National Rodeo Title). A press release regarding the District's receipt of the TOP Quarter Century Award is scheduled for October 26.

Intergovernmental Relations

- J Clary attended a Whatcom Water Alliance planning meeting on October 14.
- J Clary attended a Whatcom Water Districts' Caucus meeting on October 19.
- J Clary is scheduled to present with WA-EMD staff on FEMA hazard mitigation grants at the Infrastructure Assistance Coordinating Council conference on October 22.

Lake Whatcom Water Quality

Lake Whatcom Management Program

- Participate in meetings of Lake Whatcom Management Program partners.
J Clary attended an interjurisdictional coordinating team meeting on October 15.



**AGENDA
BILL
Item 8.B**

**Engineering Department
Report**

DATE SUBMITTED:	October 21, 2026	MEETING DATE:	October 28, 2026
TO: BOARD OF COMMISSIONERS	FROM: Greg Nicoll, Engineering Manager/District Engineer		
GENERAL MANAGER APPROVAL			
ATTACHED DOCUMENTS	1. Summary of Capital Improvement Projects		
TYPE OF ACTION REQUESTED	RESOLUTION ☐	FORMAL ACTION/ MOTION ☐	INFORMATIONAL /OTHER ☒

BACKGROUND / EXPLANATION OF IMPACT

Updated information regarding District projects and current priorities in advance of the Board meeting.

FISCAL IMPACT

None.

RECOMMENDED BOARD ACTION

None required.

PROPOSED MOTION

None.

SUMMARY OF CAPITAL IMPROVEMENT PROJECTS

Updated: 10/21/2026
Prepared by: G. Nicoll



LEGEND:

WATER

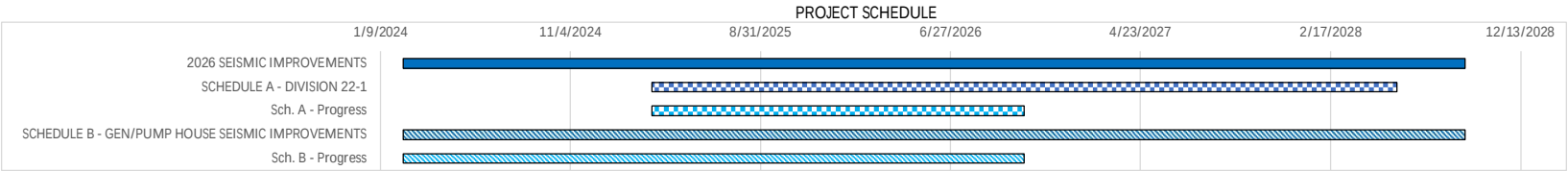
SEWER

SHARED

MAJOR PROJECTS IN CONSTRUCTION: No Capital Projects Currently in Construction
MAJOR PROJECTS IN DESIGN:

2027 WATER SYSTEM SEISMIC IMPROVEMENTS PROJECT

The 2026 Water System Seismic Improvements Project is a composite project of two separately budgeted and separately funded projects that will be bid and constructed under a single construction contract. The project will consist of two schedules of work as summarized below. Bid documents will be prepared to maintain completely separate cost accounting for the two projects to ensure compliance with grant funding requirements. Sequencing of the project will be at the discretion of the contractor.



SCHEDULE A: C2517 - DIVISION 22-1 RESERVOIR REPLACEMENT

Project Summary: Construct a new reservoir to replace the existing Division 22-1 Reservoir to improve seismic resiliency of critical infrastructure (FEMA Hazard Mitigation Grant 5456-10, PWB Loan).

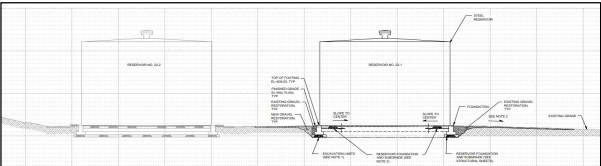
Project Status: The Whatcom County Conditional Use Permit hearing has been scheduled for November 23, 2026 and staff anticipates issuance of County permits shortly thereafter. FEMA has awarded Phase 2 (construction) funding, including the additional \$1.2 million requested by the District, in April 2026. G&O is nearing completion of the final bid documents in preparation for bidding early 2027.

Budget Summary

Budget:	\$ 3,640,722.14
Spent to Date:	\$ 216,402.99
Balance:	\$ 3,424,319.15

87.5% grant funded

Budget Years: 2025-2027



SCHEDULE B: C2402 - SVWTP PUMPHOUSE AND GENEVA RESERVOIR SEISMIC UPGRADES

Project Summary: Construct improvements at the SV WTP Finished Water Pump Building and the Geneva Reservoir to improve seismic resiliency of critical infrastructure (FEMA Hazard Mitigation Grant 5395-10R). Reservoir recoating (District Project #C2518), which, per WA EMD, is eligible for grant funding, will be completed concurrently.

Project Status: The building permits for work at both Geneva and the pump house are ready to issue pending identification of the contractor. FEMA has awarded Phase 2 funding and Washington State EMD is currently preparing the funding agreement. The design team is preparing final bid documents and the project is on schedule for bidding in late 2026 or early 2027.

Budget Summary - C2402

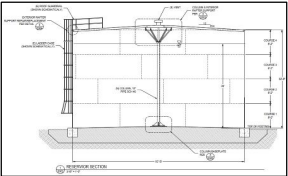
Budget:	\$ 1,428,895.00
Spent to Date:	\$ 260,830.98
Balance:	\$ 1,168,064.02

95% grant funded

Budget Year: 2025-2026

Budget Summary - C2518

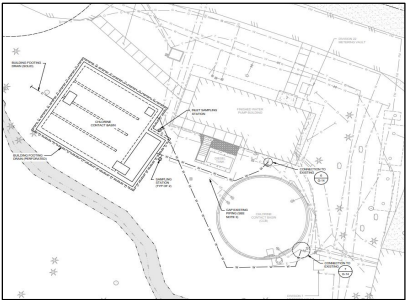
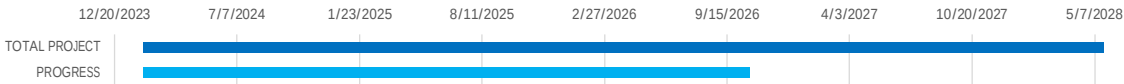
Budget:	\$ -
Spent to Date:	\$ 6,181.05
Balance:	\$ (6,181.05)



C2316 - SUDDEN VALLEY WTP CHLORINE CONTACT BASIN REPLACEMENT

Project Summary:	Replace existing chlorine contact basin with a new basin that will include seismic restraints and will be sized for sufficient contact time at buildout flows. (FEMA Hazard Mitigation Grant 5395-10R).
Project Status:	The design team is working on design revisions to relocate the new CCB to avoid an existing drainage ditch. In addition, FEMA has provided preliminary approval of the District's request for additional HMG grant funds, increasing the total project budget from \$1,963,000 to \$3,800,000, which, if approved, will allow the District to construct a two train basin rather than the one train alternative that was previously selected due to funding constraints. (Note that this additional funding is pending a final Phase 2 funding agreement from FEMA and Board approval.) This change will require some re-design but , in the opinion of District staff, will be the best long term solution for the District. The Whatcom County Conditional Use Permit hearing has been scheduled for November 23, 2026 and staff anticipates issuance of County permits shortly thereafter. This project is currently scheduled to be advertised for bids in early 2027.

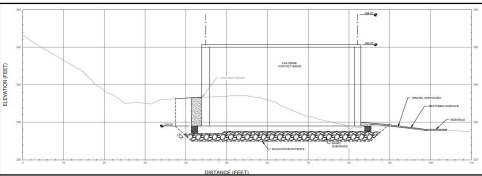
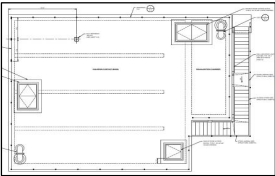
PROJECT SCHEDULE



Budget Summary

Budget:	\$ 1,963,000.00	87.5% grant funded
Spent to Date:	\$ 272,382.90	
Balance:	\$ 1,690,617.10	

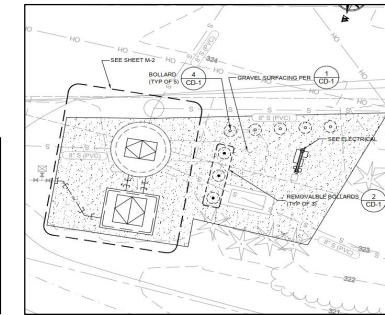
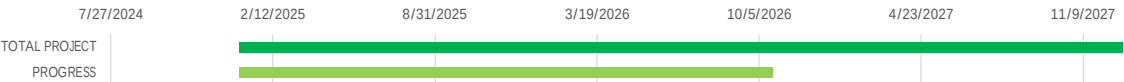
Budget Year: 2024-2026



C2510 - AGATE BAY SEWER LIFT STATION REHABILITATION

Project Summary:	Agate Bay Lift Station is one of the last remaining original sewer lift stations that has not been rehabilitated and this project will renovate this station. The preferred alternative for rehabilitation of this lift station is reconfiguration of the existing wet pit/dry pit configuration to a submersible station.
Project Status:	District Engineering staff has completed 60% civil and mechanical design drawings and has submitted the shoreline substantial development permit to Whatcom County. Design is in progress for the electrical and controls systems (K Engineers) as well as the awning structure that will cover the control panels (Kingworks Engineers). A shoreline substantial development permit has been submitted to the County and staff is awaiting response from the County.

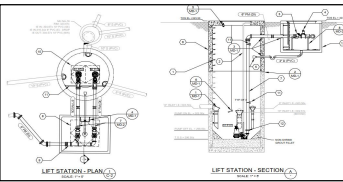
PROJECT SCHEDULE



Budget Summary

Budget:	\$ 334,000.00	Design & Pre-Design
Spent to Date:	\$ 27,595.25	
Balance:	\$ 306,404.75	

Budget Year: 2025-2027

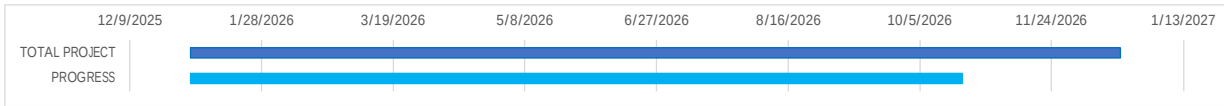


C2602 - SURVEILLANCE CAMERAS AND ACCESS CONTROL IMPROVEMENTS

Project Summary: Per the recommendations of the Facilities Security Assessment completed in 2024, the Agate Heights Water Treatment Plant (WTP), Sudden Valley WTP, Administration Building, and Operations and Maintenance (O&M) Campus are high priority facilities. To further protect and monitor these facilities, this project will install surveillance cameras and additional access controls. This is a phased project with additional cameras and access controls to be installed at other critical facilities in future years.

Project Status: District Engineering staff prepared bid documents, including plans and specifications to install cameras and access controls at the WTPs, Administration Building and O&M Campus for bidding on the District's Small Works Roster. The project was advertised for bids during the week of September 14, 2026. However, due to confusion by an interested contractor regarding their status on the District's roster that presented potential bid protest concerns, staff cancelled the bid and re-advertised the project on October 15, 2026. Bids are due November 3, 2026 with construction anticipated to begin in fall/winter 2026.

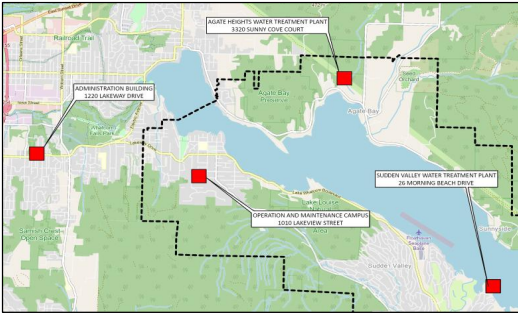
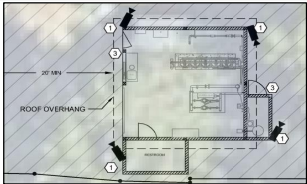
PROJECT SCHEDULE



Budget Summary

Budget: \$ 184,000.00
Spent to Date: \$ -
Balance: \$ 184,000.00

Budget Year: 2026



OTHER CAPITAL PROJECTS

C2608: Afternoon Beach and Cable Street Force Main Pigging

Status: Project will clean and remove any blockages from and restore capacity of the force mains from the Afternoon Beach and Cable Lift Stations. Bid documents were distributed to the Small Works Roster on 9/15/2026, however, the bid was cancelled due to scheduling and contractor availability concerns. The project will be re-advertised in March 2027.

Budget Year: 2026

Projected Completion: May 2027

Budget Summary

Budget: See Comments

Spent to Date: \$ -

Balance: N/A

This is an emergent project that was not included in the biennial budget and is being funded from underruns of other budgeted projects.

PROJECTS COMPLETED IN PAST 12 MONTHS

Project #	Project Name	Budget	Spent	Balance
C 2609	SVWTP Flocculation Tank Assessment	\$ -	\$ 4,142.88	\$ (4,142.88)
C 2111	Division 7 Reservoir Replacement	\$ 3,301,000.00	\$ 3,146,082.24	\$ 154,917.76
C 2113	Flat Car LS Reverse Flow to Sudden Valley LS	\$ 280,000.00	\$ 262,339.19	\$ 17,660.81
C 2506	Physical Security Improvements	\$ 37,000.00	\$ 34,703.53	\$ 2,296.47
C 2112	Rocky Ridge and Lakewood Lift Stations Rehabilitation	\$ 2,116,353.00	\$ 1,791,512.87	\$ 324,840.13

This is an emergent project that was not included in the biennial budget and was funded from underruns of other budgeted projects.



**AGENDA
BILL
Item 8.C**

**Finance Department
Report**

DATE SUBMITTED:	October 9, 2026	MEETING DATE:	October 28, 2026
TO: BOARD OF COMMISSIONERS	FROM: Jennifer Signs, Finance Manager		
GENERAL MANAGER APPROVAL			
ATTACHED DOCUMENTS	1. Third Quarter Financial Report 2. September Utility Account Adjustments		
TYPE OF ACTION REQUESTED	RESOLUTION ☐	FORMAL ACTION/ MOTION ☐	INFORMATIONAL /OTHER ☒

BACKGROUND / EXPLANATION OF IMPACT

Updated information regarding District finances in advance of the Board meeting.

FISCAL IMPACT

None

APPLICABLE EFFECTIVE UTILITY MANAGEMENT ATTRIBUTE(S)

Financial Viability

RECOMMENDED BOARD ACTION

None required.

PROPOSED MOTION

None



Quarterly Financial Report Third Quarter 2026

Lake Whatcom Water and Sewer District
Bellingham, Washington

Summary

Throughout the third quarter of 2026, Lake Whatcom Water and Sewer District (District) continued to maintain a strong financial position while completing several significant financial planning initiatives. Most notably, in July the District completed its comprehensive utility rate study and long-term financial plan review, adopted a new Master Fees and Charges Schedule establishing rates through 2031, and began development of the 2027-2028 Biennial Budget. These efforts represent important steps in ensuring the long-term financial sustainability of both utility systems while providing a framework for future operating costs, capital investments, and financial obligations.

The utility rate study, initiated during the second quarter, evaluated projected operating expenses, capital investment needs, debt service obligations, reserve funding requirements, and long-term revenue projections. The resulting five-year financial plan balances the need for continued investment in critical infrastructure while maintaining stable and predictable utility rates to customers. It also establishes the financial framework for the upcoming biennial budget, allowing the District to better anticipate future funding requirements and plan for the long-term needs of both utility systems.

Work on the 2027-2028 Biennial Budget began in July with staff and the Board of Commissioners reviewing anticipated revenues, operating expenditures, personnel costs, and planned capital improvements. Throughout the third quarter, the proposed budget was presented by staff and reviewed by the Board of Commissioners during multiple regularly scheduled board meetings. With the majority of work on the budget completed, it is anticipated that the District will adopt the proposed 2027-2028 Biennial Budget early in the fourth quarter.

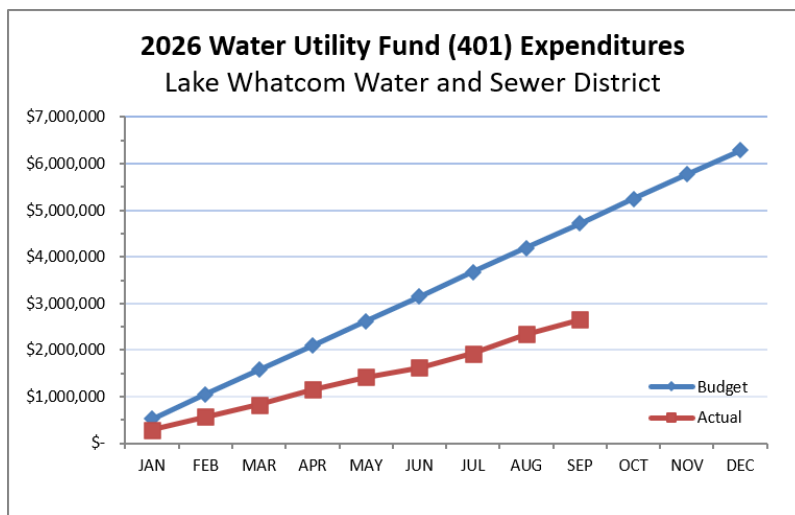
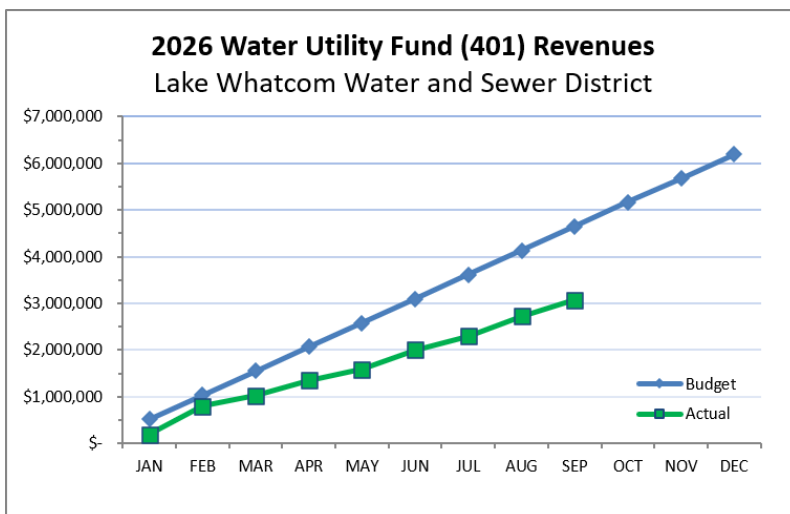
Financial performance through the end of the third quarter remained strong with utility service revenues generally tracking budgeted expectations. Development-related revenues increased significantly during the quarter, particularly in September, as permit activity and General Facility Charge (GFC) collections increased near the close of the Lake Whatcom Watershed land disturbance window. Investment earnings also continued to exceed budgeted expectations through the third quarter. Combined investment earnings for the Water and Sewer Utility Funds totaled approximately \$249,600 through September, representing 178% of the combined budget. September generated the strongest monthly investment earnings of the third quarter and continued investment performance reflects favorable returns on the District's cash and investment holdings in the future with the recent interest rate hike by the Federal Open Market Committee (FOMC).

Overall, the District remains in a strong financial position entering the final quarter of 2026. Utility revenues continue to support ongoing operations, investment earnings remain above budgeted projections, and expenditures remain within available financial resources. These efforts discussed above combined with healthy fund balances position the District to meet its operational obligations while supporting long-term infrastructure investment and reliable utility services.

Water Utility Fund (Fund 401)

Through the third quarter of 2026, revenues in the Water Utility Fund totaled approximately \$3.07 million. Water sales continued to follow expected seasonal trends, with year-to-date revenues totaling approximately \$2.43 million or 72% of the annual budget. Overall, water sales remain consistent with budgeted projections entering the final quarter of 2026. As mentioned above, General Facility Charge

(GFC) revenues increased significantly during the quarter reflecting increased development activity prior to the September 30 close of the land disturbance window in the Lake Whatcom Watershed. Through September, GFC revenues totaled approximately \$203,300, which is 89% above budget. With that being said, the District takes a conservative approach when budgeting for these revenues due to their unpredictability. Overall, actual revenues remain below budgeted projections primarily due to the timing of receipt of anticipated federal grant funding. These funds are expected to be carried forward into the 2027-2028 Biennial Budget to align with the revised schedules of the capital projects they support.



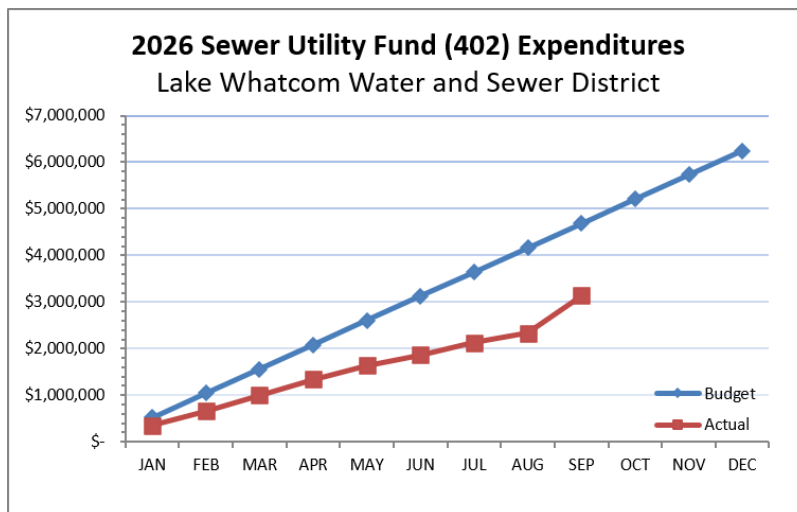
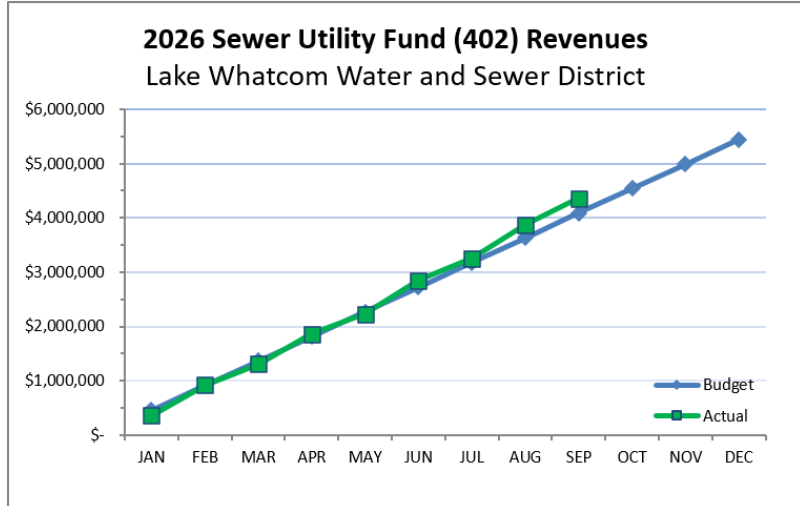
Water Utility Fund expenditures totaled approximately \$2.62 million through September, representing 42% of the budget. Operating expenditures generally remained consistent with anticipated spending, while capital expenditures continued to fall below budgeted projections. Capital expenditures totaled approximately \$290,600, or 10% of the capital budget. This variance continues to reflect the

timing of planned capital projects. Several projects remain in various stages of design, permitting, and procurement, with anticipated expenditures and funding requirements now being integrated into the 2027-2028 Biennial Budget. Debt service obligations remained consistent with scheduled repayment requirements and the District continues to maintain adequate liquidity to meet its financial obligations.

Sewer Utility Fund (Fund 402)

Revenues in the Sewer Utility Fund totaled approximately \$4.34 million through the end of the third quarter. Sewer service revenues continued to follow budgeted projections totaling approximately \$3.95 million or 75% of the total budget. Because sewer rates are fixed charges, service revenues continue to provide a stable and predictable funding source throughout the year. Similar to the Water Utility

Fund, GFC revenue increased significantly during the third quarter which resulted in actual revenue exceeding budgeted projections in the third quarter. Through September, GFC revenues totaled approximately \$258,400, representing 201% of the budget. This increase exceeded anticipated development related revenues and contributed positively to the Sewer Utility Fund's overall financial performance.



Similar to the Water Utility Fund, several projects remain in various stages and anticipated expenditures are now being integrated into the 2027-2028 Biennial Budget. All debt service obligations were met during the third quarter with no outstanding payments remaining throughout the fiscal year. Overall, expenditures remain within budgeted expectations while supporting continued utility operations and infrastructure reinvestment.

Sewer Utility Fund expenditures totaled approximately \$3.17 million through September, representing 51% of the budget. Operating expenditures generally remained consistent with anticipated spending levels across personnel, maintenance, utilities, and contractual obligations. Capital expenditures continued to fall below budgeted projections, primarily due to the timing of planned capital improvements.

District Fund Balances

The District manages its monies within five funds: Water Utility Fund (401), Sewer Utility Fund (402), Sewer Contingency Reserve Fund (425), Water Contingency Reserve Fund (426), and Bond Reserve Fund (460). Within the Water Utility and Sewer Utility funds are system reinvestment funds (i.e., funds dedicated to capital projects) and debt service funds associated with the respective utility. The following discussion summarizes the activity associated with each fund through the third quarter of 2026.

Water Utility Fund (Fund 401)

The Water Utility Fund, which serves as the primary operating fund for the District's water utility, derives most of its revenue from rates charged to water customers. Fund expenditures are comprised of general operating expenses (personnel salary and benefits, professional services, utilities, etc.), payments relative to debt service on past capital improvement projects, and expenditures on water system reinvestment-defined equipment and projects. Also managed within the Water Utility Fund are monies allocated towards an operating reserve, which is equal to the cost of operating the water utility for 90 days (\$742,450). The fund entered 2026 with a balance of \$2,163,016 and closed the quarter with a balance of \$2,611,492.

Sewer Utility Fund (Fund 402)

Like the Water Utility Fund, the Sewer Utility Fund serves as the primary operating fund for the District's sewer utility. Revenues are comprised primarily of rates charged to sewer customers, and expenditures consist of general operating expenses (personnel salary and benefits, professional services, utilities, etc.), payments relative to debt service on past capital improvement projects, and expenditures on sewer system reinvestment-defined equipment and projects. Also managed within the fund are monies allocated towards an operating reserve, which is equal to the cost of operating the sewer utility for 60 days (\$571,778). The fund entered 2026 with a balance of \$5,531,395 and closed the quarter with a balance of \$6,728,725.

Sewer Contingency Reserve (Fund 425)

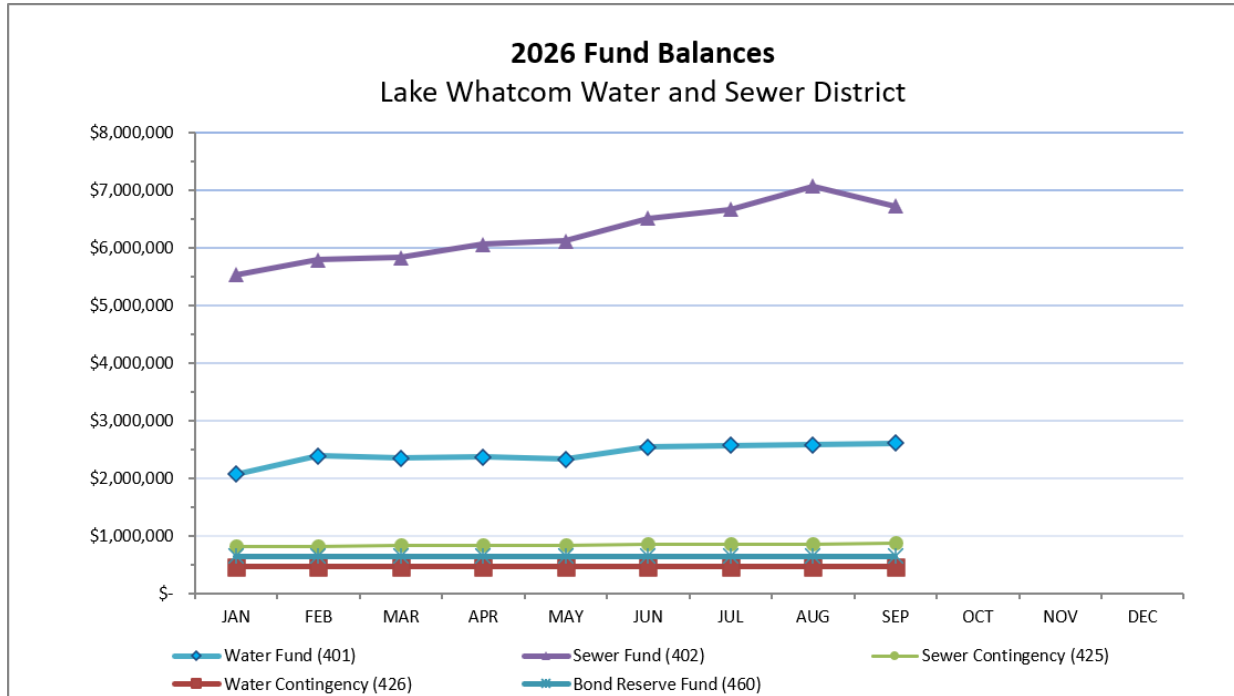
A sewer contingency reserve is maintained in accordance with District financial policies at one percent of the sewer utility infrastructure replacement cost (\$879,500). This fund provides for paying for unanticipated costs that may be incurred by the Sewer Utility. The Sewer Contingency Reserve was fully funded through the end of the quarter.

Water Contingency Reserve (Fund 426)

A water contingency reserve is maintained in accordance with District financial policies at one percent of the water utility infrastructure replacement cost (\$460,000). This fund provides for paying for unanticipated costs that may be incurred by the Water Utility. The Water Contingency Reserve was fully funded through the end of the quarter.

Bond Reserve Fund (Fund 460)

The District's Bond Reserve Fund is a restricted fund associated with covenants of the 2016 bond sale. It was fully funded at \$646,125 through the end of the quarter. As the District moves closer to paying this debt in full, the balance within this fund will be reduced in the coming years to maintain the Maximum Amount Due (MAD).



District Cash and Investments

In accordance with its financial policies, the District invests its funds in a manner that provides the highest return with maximum security while meeting daily cash flow demands. As illustrated in the following cash and investment summary, the District remains well positioned to meet its current financial obligations while maintaining adequate resources for future capital and unforeseen needs. The following is a summary of the District's cash and investments through September 30, 2026

LAKE WHATCOM WATER AND SEWER

INVESTMENTS/CASH AS OF 9/30/2026

Petty Cash	\$	1,600	
Cash	\$	1,430,140	
Debt Service Account	\$	646,125	
Public Funds Account	\$	32,331	2.050%

WA Federal **\$ 2,110,196**

Local Gov't Investment Pool **\$ 4,256,646** 3.820%

		PRINCIPAL COST	MARKET VALUE	MATURITY DATE	YIELD
US Treasury Note	Non-callable	\$ 499,508	\$ 510,000	Oct-26	3.707%
US Treasury Note	Non-callable	\$ 497,683	\$ 515,000	Feb-27	3.470%
US Treasury Note	Non-callable	\$ 534,034	\$ 515,000	Jun-27	3.724%
US Treasury Note	Non-callable	\$ 496,879	\$ 525,000	Sep-27	3.410%
US Treasury Note	Non-callable	\$ 950,654	\$ 1,000,000	Dec-27	3.290%
US Treasury Note	Non-callable	\$ 479,300	\$ 500,000	Feb-28	3.280%
US Treasury Note	Non-callable	\$ 471,309	\$ 500,000	Jul-28	4.000%
US Treasury Note	Non-callable	\$ 470,925	\$ 500,000	Nov-28	4.020%
US Treasury Note	Non-callable	\$ 525,000	\$ 525,000	Mar-29	4.050%
US Bank Short-Term Money Market	Holding Account	\$ 33,709			3.360%
US Bank Trust		\$ 4,959,000	\$ 5,090,000		

TOTAL **\$11,325,842**

USE OF FUNDS:

Bond Reserve - Restricted	\$	646,125
Contingency - Assigned	\$	1,318,000
Operating Reserves	\$	1,185,000
Operating Assigned	\$	8,176,717
		<u>\$11,325,842</u>

Fund Balance Summary

Water Utility Fund (401)	\$	2,611,492
Sewer Utility Fund (402)	\$	6,728,725
Sewer Contingency Fund (425)	\$	879,500
Water Contingency Fund (426)	\$	460,000
Bond Reserve Fund (460)	\$	646,125
		<u>\$11,325,842</u>



**LAKE WHATCOM WATER AND SEWER DISTRICT
September 2026 Utility Account Adjustments**

Sudden Valley Adjustments		Year to Date	Notes
Late Fee Credits	\$ 101.02	\$ 2,615.25	
High Use/Leak Credits	\$ -	\$ 4,350.68	
North Shore/Geneva			
Late Fee Credits	\$ 118.23	\$ 1,436.64	
High Use/Leak Credits	<u>\$ 50.68</u>	<u>\$ 3,002.19</u>	1493 Willowbrook
Total Account Adjustments	\$ 269.93	\$ 11,404.76	



**AGENDA
BILL
Item 8.D**

**Operations Department
Report**

DATE SUBMITTED:	October 21, 2026	MEETING DATE:	October 28, 2026
TO: BOARD OF COMMISSIONERS	FROM: Jason Dahlstrom, Operations & Maintenance Manager		
GENERAL MANAGER APPROVAL			
ATTACHED DOCUMENTS	1. Operations Department Report		
	2. Status of District Water & Sewer Systems 3. Wildfire Hazard Mitigation Memo		
TYPE OF ACTION REQUESTED	RESOLUTION ☐	FORMAL ACTION/ MOTION ☐	INFORMATIONAL /OTHER ☒

BACKGROUND / EXPLANATION OF IMPACT

Updated information regarding District operations in advance of the Board meeting.

FISCAL IMPACT

None.

RECOMMENDED BOARD ACTION

None required.

PROPOSED MOTION

None.



Lake Whatcom Water & Sewer District Operations & Maintenance Department Report

Prepared for the October 28, 2026 Board Meeting
Data Compiled 10/20/2026

State Required Report Status														
Monthly Reports														
Name Of Report		Completed												
Chlorination Report Agate Heights Prepared by: K Cook	Postmarked by the 10th of month	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	
		x	x	x	x	x	x	x	x	x	x			
Surface Water Treatment Rule Report (SVWTP) Prepared by: K Cook	Postmarked by the 10th of month	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	
		x	x	x	x	x	x	x	x	x	x			
Annual Reports														
Name Of Report	Deadline	Completed												
WA State Cross Connection Report Prepared by: R Munson	May	February 25, 2026												
OSHA 300 Log Prepared by: R Munson	February 1	January 13, 2026												
Water Use Efficiency Performance Report Prepared by: K Cook	July 1	January 12, 2026												
Community Right to Know (Hazardous Materials) Prepared by: R Munson	March 31	January 13, 2026												
Northwest Clean Air Emissions Report	February 1	January 14, 2026												
Consumer Confidence Reports Prepared by: K Cook	June 30	Geneva		SV		EagleR		Agate Ht						
		6/17/2026												
Other Reports														
Name Of Report	Deadline	Last Completed												
CPR/First Aid Training Coordinated by: R Munson	Due Biennially Next Due 2027	February 27, 2025												
Flagging Card Training Coordinated by: R Munson	Due Triennially Next Due 2025	All complete as of 10/22/25												

Safety Program Summary	
Completed by Rich Munson	
Summary of Annual Safety Training	
2026/27 Testing Period - Oct 1 to May 31, 2026	
	% Complete
Engineering - Managers	0%
Engineering - Staff	0%
Field Crew - Managers	0%
Field Crew - Staff	0%
Office - Managers	0%
Office - Staff	0%
Overall	0%

Safety meetings for the field crew take place every Thursday at 8 a.m.

Dates of Completed Safety Committee Meetings						
1/23/2026	5/28/2026	9/24/2026				
2/26/2026	6/25/2026	10/22/2026 (scheduled)				
3/26/2026	7/23/2026					
4/23/2026	8/27/2026					
Summary of Work-Related Injuries & Illnesses						
	Current Month	2026	2025	2024	2023	2022
Total Number of Work Related Injuries						
Defined as a work related injury or illness that results in:						
Death						
Medical treatment beyond first aid						
Loss of consciousness	0	0	0	0	0	0
Significant injury or illness diagnosed by a licensed health care professional						
Days away from work (off work)						
Restricted work or job transfer						
Total Number of Days of Job Transfer or Restriction (light duty or other medical restriction)	0	0	0	0	0	0
Total Number of Days Away from Work (at home, in hospital, not at work)	0	0	0	0	0	0
Near Misses	1	2	0	0	0	0
Safety Coordinator Update						

Safety Activities	
• No time-loss injuries or near misses. • Daily safety reminders directly relevant to the day's tasks. Weekly safety trainings based on District specific safety programs. • Jobsite tailgate meetings by project lead.	
Water Utility Activities	
<i>Water Treatment Plants</i> • Sudden Valley ○ Plant is operating well, averaging 0.5 million gallons per day (MGD) at 700 GPM. ○ Water use is consistent with typical seasonal demand. • Agate Heights ○ Plant is operating well. ○ Water use is less than typical seasonal usage with Lake Whatcom Residential & Treatment Center currently vacant. <i>Distribution System</i> • 4 water leaks repaired over the past month.	
Sewer Utility Activities	
<i>Lift Stations</i> • Sudden Valley sewer lift station piping failure repaired. <i>Collection System</i> • Geneva area sewer main flushing completed	
Fleet	
<i>Vehicles</i> • VEH47 repairs ongoing. <i>Equipment</i> • All equipment is functioning properly.	
Facilities	
• Maintenance Shop generator troubleshooting fuel issue.	
Training	
• G Soto and C Gates attended APWA Washington conference and competed in Equipment Rodeo	
Development	
• There are 5 permits currently in stages of development. • There have been 2 water/sewer availability inquiries during the reporting period.	

To: Justin Clary

Date: October 7, 2026

From: Jason Dahlstrom

RE: Wildfire Hazard Mitigation

In 2022, the District requested that the Whatcom Conservation District evaluate the wildfire risk of certain District facilities and provide recommended best practices to protect and minimize the impact of wildfire. Since that time, District staff have annually implemented those recommendations prior to wildfire season. The purpose of this memo is to detail 2026 efforts of District staff in employing wildfire mitigation actions at District facilities.

The District trained a seasonal laborer to implement defensible space and wildfire protection principles across all water and sewer facilities. Using guidance aligned with [Frontline Wildfire Defense](#) practices—focusing on mitigation, vegetation management, hardscaping adjustments, and combustible material clearance, the laborer completed targeted passive defensible space tasks across all facility sites. The seasonal laborer cleared opportunistic brush, shrubs, and dense undergrowth within 30 feet of water pump stations, sewer lift stations, and associated control structures. Trees within 10 feet were pruned up from the ground, maintaining proper canopy spacing to eliminate continuous fuel paths leading to structure envelopes. Additionally, accumulated pine needles, dry leaves, and organic debris were cleared from ground surfaces, fence lines, and roof eaves or gutters surrounding equipment enclosures. Vegetation was cut back or removed from physical foundations and security fencing surrounding critical controls and electrical panels to establish a clear mineral-soil or gravel buffer zone. The laborer also cleaned existing gravel access pads and masonry perimeters to eliminate weed growth and prevent ground-fire creep toward utility housings. All loose wooden pallets, plastic containers, temporary wooden staging, and non-essential materials stored within 30 feet of utility structures were relocated into secure indoor storage or removed for off-site disposal. Successful completion of these tasks was verified by the Maintenance Worker Lead.

The completed tasks and required resources were recorded using the District's OpenGov asset management software. Work was completed within 4 consecutive working days, with nearly 40 total hours accumulated. This effort significantly enhanced passive wildfire resistance across District facilities at minimal cost, reducing structural vulnerability to ember ignition and localized wildfire surface spread ahead of peak wildfire conditions.