

CITY OF LYNDEN

PUBLIC WORKS DEPARTMENT

Main Number: (360) 354-3446



Public Works Committee Meeting Agenda

City Hall - 300 Fourth Street

4:00 PM July 05, 2023

Call to Order

Action Items

- [1.](#) Approve Minutes from Public Works Committee Meeting June 7, 2023
- [2.](#) WWTP Maintenance Building Cost Estimate
Recommend forwarding decision to City Council for approval.
- [3.](#) Award Bid for East Front Street Stabilization
Len Honcoop Gravel is lowest responsive and responsible bidder.

Information Items

- [4.](#) Report on Pending Business:
Jansen Art Center Trees
Landfill Lease Amendment
Community Center Parking Agreement Amendment
- [5.](#) Request for Flashing Lights or Advanced Warning Signs at Depot Road and Homestead Boulevard Intersection
Staff will evaluate signage and place traffic counters in area to monitor vehicle speeds.
- [6.](#) Stormwater - Fecal Coliform Counts
- [7.](#) WSDOT Culvert Replacement Detour Route
- [8.](#) PeaceHealth Construction Update
- [9.](#) Project Update

New Business

Adjournment

Next Meeting: August 9, 2023



PUBLIC WORKS COMMITTEE MINUTES

4:00 PM June 7, 2023
City Hall 2nd Floor Large Conference Room

CALL TO ORDER

Members Present: Mayor Scott Korthuis, Councilors Jerry Kuiken and Ron De Valois, and Brent Lenssen

Members Absent: Gary Bode with notice

Staff Present: Public Works Director Steve Banham; Public Works Director Jon Hutchings; and Sr. Admin. Assistant Jessica King

Public Present: Gary Vis, Nathan Zylstra, Tyler Buys, Evelyn Redden, Terry Redden, Wes Herman, Carlos Becerra, Mark Billmire

ACTION ITEMS

1. **Approve Minutes from May 3, 2023**

De Valois motioned to approve the minutes and Kuiken seconded the motion.

Action

The minutes from May 3, 2023, were approved.

2. **Former Landfill Property Lease**

Becerra presented an overview of his business plan for Bay-Lyn Storage, on-site storage at the landfill property he currently leases from the City. He proposed 100, 20-foot by 10-foot mobile collapsible storage units with space for open storage as well. He is also working on an agreement to lease solar panels to mount on the tops of the storage units. Korthuis asked what his stormwater plan was for the property. Becerra said he is proposing catch basins and ecology blocks or true grid pavers. De Valois asked if this project would require Ecology approval. Banham said that it will have to meet Ecology standards for stormwater. Korthuis asked if asphalt or gravel was planned for the entrance area. Becerra said that the entrance area would be paved. To clarify, Banham stated that the parking lot and entry area will be paved, and the storage area can be gravel.

Lenssen asked where the current fire training tower is located. Becerra said that it's on the east side and if needed he could have his work crew relocate it. Billmire explained that the training tower was constructed using Alcoa-donated cargo boxes, and that it would be better not to relocate the tower. Billmire envisioned approximately a football field sized easement area for future fire training facilities. Becerra said that the Fire Department's needs would take priority over his business layout. He said he is willing to

work with the Fire Department and would also run utilities to them at his expense if needed.

Kuiken asked about amending the lease. Becerra said that it's currently \$12,000 annually for ten years (initiated in 2018) with two, five-year options to renew. The Committee discussed Becerra's desire for a 20-year lease; however, the Committee agreed to consider re-starting the current terms of ten years plus two, five-year options to renew. Additionally, there will be an annual CPI adjustment built into the new lease terms.

Kuiken asked what Becerra's plan was if something happened and he was unable to operate this proposed business. He said that his business partner would take over.

Lenssen asked Becerra what the potential sales tax revenue was estimated for this business. Becerra said that the potential sales tax revenue could be \$10,000 a year.

Action

The Public Works Committee concurred to have staff review the stormwater portions of this proposal and to initiate an amendment that includes the revised lease terms and other provisions recommended by the City attorney.

3. Request to Amend Community Center Parking Lot Access Agreement with 110 5th Street - Wes Herman / Upper End LLC

Originally, this parking agreement was finalized in September 2021 reserving the use of the five parking spaces adjacent to 110 5th Street from 5:00 p.m. to 8:00 a.m. as 110 5th Street is partial owner of these parking spaces. Herman is requesting to amend the agreement to provide for 24/7 use of the first two spaces nearest to 5th Street and have the remaining three spaces for use by his tenants (a first-floor design firm and second-floor residents) outside of the 10 a.m. to 2 p.m. window designated for the Community Center. Herman said that Thursdays and Fridays are typically the busiest for the parking lot.

Lenssen said Herman's proposal sounds agreeable. Banham said that the Community Center Director agreed with the proposal. Herman said that he is also working with the Inn at Lynden to direct hotel guests to correct parking.

Action

The Public Works Committee concurred to amend the agreement and to change two of the spaces to full-time use by 110 5th Street and to work with Herman to determine appropriate signage for these parking spaces.

4. 3rd and Main Street Intersection Rehabilitation - Concrete or Asphalt Cost Benefit Analysis by Reichhardt and Ebe Engineering

Nathan Zylstra and Tyler Buys, both of Reichhardt and Ebe Engineering (R&E) presented four options for the 3rd and Main Street Intersection Rehabilitation Project. Buys explained that a life cycle cost analysis has been done on each option, noting that the most cost-effective options are full depth concrete or fiber reinforced asphalt. Banham added that staff is leaning towards the fiber reinforced asphalt option because the current TIB grant can only be used for an asphalt solution. A new grant would need to be applied for if the concrete option was selected. The Committee felt that the fiber

reinforcement option seemed to be the best option considering the initial and long-term improvement costs and the risk associated with reapplying with TIB.

The Committee discussed a September construction date. Zylstra said that the least intrusive for traffic would be night crews, however, that is a higher expense, with a 10-day closure.

Action

The Public Works Committee concurred that fiber reinforced asphalt is the best option for this project.

5. Request to Bring East Front Street Slope Stabilization Bids Directly to July 3 City Council - Advertising June 14 and 21, Bid opening scheduled for June 29.

Korthuis briefly discussed the scope and location of the project.

Action

The Public Works Committee concurred to have the East Front Street Slope Stabilization bids brought directly to the July 3 City Council meeting for approval upon review by the Committee.

INFORMATION ITEMS

6. Request for Lighted Crosswalks on Front Street and Grover Street

Ruiz (1108 Front St.) emailed regarding fast-moving traffic on Front and Grover Streets and asked about adding lighted crosswalk signs on these streets.

Banham said that another option is the portable crosswalk signs that are bolted to the street. Lenssen said that in that busy area, a portable bolted sign would get run over. Lenssen and DeValois expressed concern about the precedent that would be set when starting to approve these lighted crosswalks requests.

Banham stated that he would have traffic counters placed in these areas to first determine if traffic is travelling at elevated speeds before taking further action.

7. Request to Add Street Trees in front of Jansen Art Center - 321 Front Street

Terry Redden, a member of the Jansen Art Center (JAC) Board of Directors, said the JAC would like to plant four trees in front of the building by the sidewalk in a similar layout to the Inn at Lynden hotel. They are proposing to plant 10-foot-tall Katsura trees, installing tree wells with grates and irrigation in the sidewalk at the expense of the JAC. Their vision is to add lights to the trees and then add outdoor dining with tables and umbrellas.

Banham and Vis said, per Code, there needs to have a clear four-foot corridor for pedestrians and the tables would need to be placed against the building.

Banham asked if the JAC would do all the maintenance on the trees. Redden confirmed that yes, they would use the same volunteer group that takes care of the plants in the back of the JAC.

DeValois and Kuiken said that they believed the trees would work for the Art Center, and the Committee concurred to give approval.

Lenssen asked if there was existing agreement with the Inn at Lynden that could be similarly drafted for the JAC. Banham said staff could look into this.

Action

The Public Works Committee concurred to draft an agreement for the Jansen Art Center trees and present it at the next Public Works meeting for approval.

8. Request for Parking Space - 406 and 408 Front Street (New Crescent Apartments)

Discussion of this item was postponed.

9. WWTP Maintenance Building Cost Update

Hutchings discussed the outcome of Trane's recent solicitation for bids for a new maintenance building. He noted that the original estimate of \$4.5 million was low and didn't include the same preliminary design that Trane submitted for bid. Bids for the six bay option were closer to \$8 million dollars. Banham and Hutchings said that there is five to seven percent contingency built into the total cost as well as the cost of preliminary design. Staff have engaged the Consultant to review and reconsider all design elements to reduce costs. Results will be brought to a future Public Works Committee meeting.

Lenssen was concerned about maintaining the exterior design elements required per City design standards. He asked when construction needs to be complete. Banham said it needs to be done by the end of 2024.

Banham said the Public Works Trust Fund application for this project is due in July. DeValois asked what the interest was for this. Banham said it is 1.5%

10. Projects Update

The Committee reviewed the list of current projects.

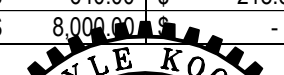
De Valois asked if the Guide Meridian project start date was delayed. Banham said that it did.

DeValois asked if the Bradley Road Roundabout has federal funding earmarked and Banham said that it did.

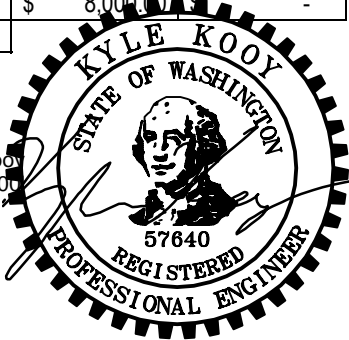
ADJOURNMENT: The meeting was adjourned at 5:51 pm.

NEXT MEETINGS: July 5, 2023

423 Front Street
Lynden, WA 98264
Phone: (360) 354-3687

Called By: For:	City of Lynden East Front Street Stabilization - East Site 300 4th Street Lynden, WA 98264			Engineer's Estimate		1 Len Honcoop Grael, Inc. 8911 Guide Meridian Lynden, WA 98264 360-354-4763		2 DeKoster Excavating, Inc. 8631 Depot Road Lynden, WA 98264 360-815-7129		3 Stremler Gravel, Inc. PO Box 527 Lynden, WA 98264 360-354-8585		4 Western Refinery Services, Inc. 2380 Grandview Road 360-366-3303		Average (Excluding Engineer's Estimate)	Standard Deviation (Excluding Engineer's Estimate)
By: Date:	CERTIFIED TABULATION OF BIDS RECEIVED Kyle Kooy, P.E. June 29, 2023														
Item No.	Item Description	Quantity	Unit	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
1	Mobilization	1	LS	\$ 30,000.00	\$ 30,000.00	\$ 30,000.00	\$ 30,000.00	\$ 17,364.52	\$ 17,364.52	\$ 35,000.00	\$ 35,000.00	\$ 20,000.00	\$ 20,000.00	\$ 25,591.13	\$ 7,192.06
2	SPCC PLAN	1	LS	\$ 500.00	\$ 500.00	\$ 500.00	\$ 500.00	\$ 500.00	\$ 500.00	\$ 250.00	\$ 250.00	\$ 800.00	\$ 800.00	\$ 512.50	\$ 194.86
3	Project Temporary Traffic Control	1	LS	\$ 5,000.00	\$ 5,000.00	\$ 5,900.00	\$ 5,900.00	\$ 2,000.00	\$ 2,000.00	\$ 2,500.00	\$ 2,500.00	\$ 2,000.00	\$ 2,000.00	\$ 3,100.00	\$ 1,629.42
4	Clearing and Grubbing	1	LS	\$ 5,000.00	\$ 5,000.00	\$ 4,035.00	\$ 4,035.00	\$ 2,686.00	\$ 2,686.00	\$ 4,000.00	\$ 4,000.00	\$ 5,000.00	\$ 5,000.00	\$ 3,930.25	\$ 822.85
5	Removal of Structures and Obstructions	1	LS	\$ 10,000.00	\$ 10,000.00	\$ 6,510.00	\$ 6,510.00	\$ 4,735.00	\$ 4,735.00	\$ 2,500.00	\$ 2,500.00	\$ 5,000.00	\$ 5,000.00	\$ 4,686.25	\$ 1,432.36
6	Sawcut ACP	1,480	LF-IN	\$ 0.75	\$ 1,110.00	\$ 1.00	\$ 1,480.00	\$ 1.48	\$ 2,190.40	\$ 1.00	\$ 1,480.00	\$ 0.90	\$ 1,332.00	\$ 1.10	\$ 0.23
7	Sawcut PCC	5	LF-IN	\$ 5.00	\$ 25.00	\$ 15.00	\$ 75.00	\$ 62.60	\$ 313.00	\$ 35.00	\$ 175.00	\$ 13.00	\$ 65.00	\$ 31.40	\$ 19.96
8	Unsuitable Foundation Excavation Incl. Haul	240	CY	\$ 20.00	\$ 4,800.00	\$ 22.50	\$ 5,400.00	\$ 19.28	\$ 4,627.20	\$ 28.00	\$ 6,720.00	\$ 50.00	\$ 12,000.00	\$ 29.95	\$ 11.99
9	Gravel Borrow Incl. Haul	385	TON	\$ 35.00	\$ 13,475.00	\$ 25.75	\$ 9,913.75	\$ 31.46	\$ 12,112.10	\$ 22.75	\$ 8,758.75	\$ 50.00	\$ 19,250.00	\$ 32.49	\$ 10.58
10	Water	15	M GAL.	\$ 120.00	\$ 1,800.00	\$ 150.00	\$ 2,250.00	\$ 120.67	\$ 1,810.05	\$ 115.00	\$ 1,725.00	\$ 250.00	\$ 3,750.00	\$ 158.92	\$ 54.24
11	Structure Excavation Class A Incl. Haul	1,070	CY	\$ 20.00	\$ 21,400.00	\$ 22.50	\$ 24,075.00	\$ 14.78	\$ 15,814.60	\$ 30.00	\$ 32,100.00	\$ 50.00	\$ 53,500.00	\$ 29.32	\$ 13.10
12	Shoring or Extra Excavation Class A	1	LS	\$ 10,000.00	\$ 10,000.00	\$ 2,000.00	\$ 2,000.00	\$ 15,323.25	\$ 15,323.25	\$ 3,500.00	\$ 3,500.00	\$ 2,000.00	\$ 2,000.00	\$ 5,705.81	\$ 5,586.30
13	HMA CL 1/2", PG 58H-22	195	TON	\$ 200.00	\$ 39,000.00	\$ 163.00	\$ 31,785.00	\$ 151.20	\$ 29,484.00	\$ 154.00	\$ 30,030.00	\$ 148.00	\$ 28,860.00	\$ 154.05	\$ 5.59
14	Planing Bituminous Pavement	400	SY	\$ 15.00	\$ 6,000.00	\$ 19.75	\$ 7,900.00	\$ 21.54	\$ 8,616.00	\$ 15.50	\$ 6,200.00	\$ 19.00	\$ 7,600.00	\$ 18.95	\$ 2.19
14A	Paving Fabric	40	SY	\$ 20.00	\$ 800.00	\$ 19.00	\$ 760.00	\$ 15.00	\$ 600.00	\$ 16.50	\$ 660.00	\$ 22.00	\$ 880.00	\$ 18.13	\$ 2.65
15	MSE Wall	1,500	SF	\$ 65.00	\$ 97,500.00	\$ 18.00	\$ 27,000.00	\$ 35.88	\$ 53,820.00	\$ 46.75	\$ 70,125.00	\$ 48.00	\$ 72,000.00	\$ 37.16	\$ 12.02
16	Gravel Borrow for Structural Earth Wall Incl. Haul	985	TON	\$ 40.00	\$ 39,400.00	\$ 23.50	\$ 23,147.50	\$ 21.29	\$ 20,970.65	\$ 20.50	\$ 20,192.50	\$ 50.00	\$ 49,250.00	\$ 28.82	\$ 12.28
17	Drain Pipe 6 In. Diam	25	LF	\$ 30.00	\$ 750.00	\$ 27.00	\$ 675.00	\$ 25.67	\$ 641.75	\$ 50.00	\$ 1,250.00	\$ 80.00	\$ 2,000.00	\$ 45.67	\$ 22.06
18	Underdrain Pipe 6 In. Diam	130	LF	\$ 35.00	\$ 4,550.00	\$ 16.10	\$ 2,093.00	\$ 22.36	\$ 2,906.80	\$ 25.00	\$ 3,250.00	\$ 60.00	\$ 7,800.00	\$ 30.87	\$ 17.13
19	Drain Pipe Cleanout	2	EA	\$ 1,000.00	\$ 2,000.00	\$ 525.00	\$ 1,050.00	\$ 540.00	\$ 1,080.00	\$ 850.00	\$ 1,700.00	\$ 500.00	\$ 1,000.00	\$ 603.75	\$ 142.89
20	Corrugated Polyethylene Storm Sewer Pipe 12 In. Diam.	160	LF	\$ 50.00	\$ 8,000.00	\$ 39.00	\$ 6,240.00	\$ 34.18	\$ 5,468.80	\$ 40.00	\$ 6,400.00	\$ 45.00	\$ 7,200.00	\$ 39.55	\$ 3.84
21	Adjustments to Finished Grade	1	LS	\$ 5,000.00	\$ 5,000.00	\$ 3,650.00	\$ 3,650.00	\$ 4,578.00	\$ 4,578.00	\$ 2,000.00	\$ 2,000.00	\$ 250.00	\$ 250.00	\$ 2,619.50	\$ 1,650.45
22	Erosion Control and Water Pollution Prevention	1	LS	\$ 5,000.00	\$ 5,000.00	\$ 2,000.00	\$ 2,000.00	\$ 1,495.25	\$ 1,495.25	\$ 1,200.00	\$ 1,200.00	\$ 2,500.00	\$ 2,500.00	\$ 1,798.81	\$ 495.70
23	Topsoil Type A	440	SY	\$ 15.00	\$ 6,600.00	\$ 15.00	\$ 6,600.00	\$ 9.64	\$ 4,241.60	\$ 16.50	\$ 7,260.00	\$ 18.00	\$ 7,920.00	\$ 14.79	\$ 3.15
24	Seeding, Fertilizing, and Mulching	200	SY	\$ 30.00	\$ 6,000.00	\$ 11.00	\$ 2,200.00	\$ 3.24	\$ 648.00	\$ 11.30	\$ 2,260.00	\$ 25.00	\$ 5,000.00	\$ 12.64	\$ 7.84
25	Planting Plan - Buffer Mitigation	1	LS	\$ 8,500.00	\$ 8,500.00	\$ 4,900.00	\$ 4,900.00	\$ 2,316.00	\$ 2,316.00	\$ 5,200.00	\$ 5,200.00	\$ 7,000.00	\$ 7,000.00	\$ 4,854.00	\$ 1,670.97
26	Cement Conc. Traffic Curb and Gutter	160	LF	\$ 25.00	\$ 4,000.00	\$ 60.50	\$ 9,680.00	\$ 66.90	\$ 10,704.00	\$ 65.60	\$ 10,496.00	\$ 70.00	\$ 11,200.00	\$ 65.75	\$ 3.43
27	Recessed Pavement Marker	0	HUN	\$ 25,000.00	\$ 1,250.00	\$ 147,000.00	\$ 7,350.00	\$ 160,700.00	\$ 8,035.00	\$ 154,000.00	\$ 7,700.00	\$ 17,500.00	\$ 875.00	\$ 119,800.00	\$ 59,261.24
28	Beam Guardrail Type 31-9 Ft. Long Post	180	LF	\$ 65.00	\$ 11,700.00	\$ 110.00	\$ 19,800.00	\$ 114.34	\$ 20,581.20	\$ 114.00	\$ 20,520.00	\$ 110.00	\$ 19,800.00	\$ 112.09	\$ 2.09
29	Beam Guardrail Type 31 Terminal	2	EA	\$ 5,500.00	\$ 11,000.00	\$ 5,675.00	\$ 11,350.00	\$ 5,959.57	\$ 11,919.14	\$ 5,830.00	\$ 11,660.00	\$ 5,000.00	\$ 10,000.00	\$ 5,616.14	\$ 369.72
30	Quarry Spalls	5	TON	\$ 120.00	\$ 600.00	\$ 175.00	\$ 875.00	\$ 176.20	\$ 881.00	\$ 250.00	\$ 1,250.00	\$ 150.00	\$ 750.00	\$ 187.80	\$ 37.40
31	Paint Line	110	LF	\$ 5.00	\$ 550.00	\$ 5.25	\$ 577.50	\$ 5.40	\$ 594.00	\$ 5.50	\$ 605.00	\$ 6.50	\$ 715.00	\$ 5.66	\$ 0.49
32	Pothole Existing Underground Utility	2	EA	\$ 500.00	\$ 1,000.00	\$ 500.00	\$ 1,000.00	\$ 360.00	\$ 720.00	\$ 900.00	\$ 1,800.00	\$ 800.00	\$ 1,600.00	\$ 640.00	\$ 218.63
33	Repair Existing Public and Private Facilities	1	EST	\$ 8,000.00	\$ 8,000.00	\$ 8,000.00	\$ 8,000.00	\$ 8,000.00	\$ 8,000.00	\$ 8,000.00	\$ 8,000.00	\$ 8,000.00	\$ 8,000.00	\$ 8,000.00	\$ -
	TOTAL			\$ 370,310.00		\$ 270,771.75		\$ 277,777.31		\$ 318,467.25		\$ 376,897.00			

Digitally signed by Kyle Kooy
Date: 2023.06.29 15:18:21 -0700



City of Lynden

Fishtrap Creek watershed water quality updates

As of June 27, 2023

Please refer to the following resources:

1. **City of Lynden Water Quality Report_July_2023:** Curated by Whatcom Conservation District as an output of the Stomwater programs outreach and education. The document is a series of maps that are to graphically show the most recent water quality results.
 - a. **Page 1:** Showing all the sample site locations within the City of Lynden that are routinely sampled for Fecal Coliform but Whatcom County Public Works and community partners.
 - b. **Page 2:** Fecal Coliform sampling results from May 30th 2023
 - c. **Page 3:** Fecal Coliform sampling results from June 12th 2023
 2. **05-30-23_Fishtrap Focus_Summary:** Curated by Whatcom County public works, this documents shares historical water quality results for the whole Fishtrap watershed, including the city of Lynden. It is summarizing up to the end of May 2023.
 3. **Online water quality map:** This is an online resource with the most up-to-date sampling results. This can be referenced at any time for accurate results: <https://arcg.is/1XPHm80>
- **Sampling results from May 30, 2023**
 - Three-day prior rainfall recorded in North Lynden was 0 inch.
 - We saw moderate bacteria levels in the Depot Rd ditch between E. Badger Rd (FT2; 270*) and Fishtrap Creek (F5a; 210).
 - Two outfalls at the south end of Depot Rd (site F5a-NEof; 270) and Bender Rd (site F6of; 320) were both moderately elevated. The outfall where we've typically seen high bacteria levels was low (F4b-NWOF; 44)
 - Fishtrap mainstem sites were highly elevated south of Main Street and remained elevated all the way downstream to the mouth of Fishtrap Creek.
 - Double Ditch levels were low, except for Double Ditch East at Pine St, which was highly elevated (DDE; 1,600). This site had a lot of green algae and algal mats and the sample was collected 30' upstream from normal sampling location. Vegetative matter could have been contributing to the high fecal coliform values at this site.
 - **Sampling results from June 12, 2023**
 - Three-day prior rainfall recorded in North Lynden was recorded as 1.4 inches, which seems very high (possible measurement error). The South Lynden station recorded 0.69 inch.
 - We saw moderate increases in bacteria levels in both ditches along Depot Rd and Bender Rd between E. Badger Rd and Fishtrap Creek.
 - City of Lynden stormwater staff took additional bracket samples along these two ditches on the same day as County ambient sampling (6/12/23). Depot Rd ditch bracket sites

*note all bacteria results are in units of colony counts per 100 mL sample water.

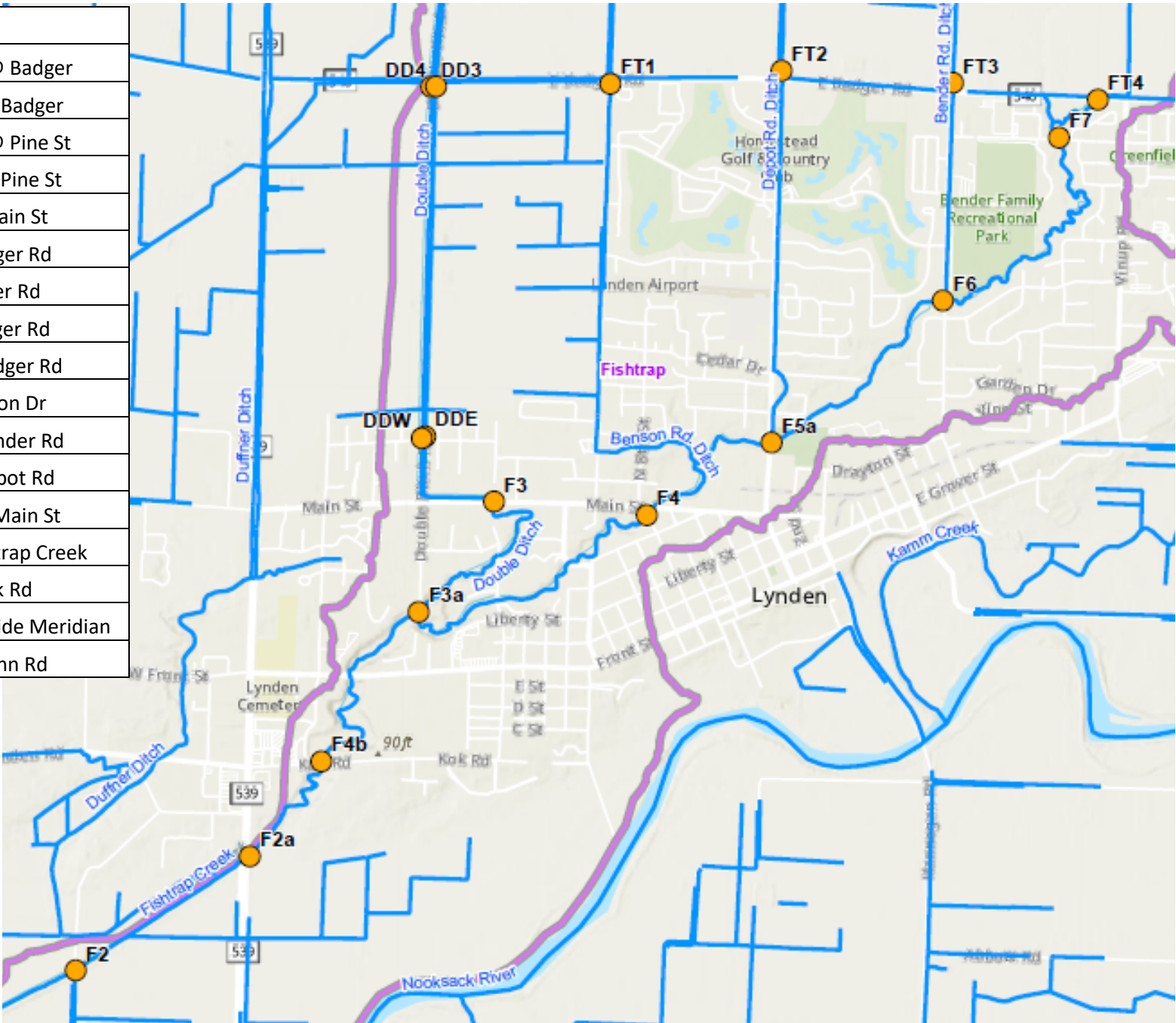
were only slightly elevated (118-182) and Bender Rd ditch bracket samples were low (52-62). These results didn't point to a clear source along these ditches.

- Lower Fishtrap and lower Pepin Creek were both moderately elevated all the way downstream to the mouth of Fishtrap Creek (F1; 300).
- The Lynden Plaza outfall at Kok Rd was highly elevated (F4b-NWOF; 1,900). City of Lynden stormwater staff were going to resample this outfall in coordination with County sampling on 6/26/23, but this was not carried out due to dry conditions in the week leading up to this date and likelihood of this outfall being dry.

*note all bacteria results are in units of colony counts per 100 mL sample water.

Routine Water Quality Monitoring Locations

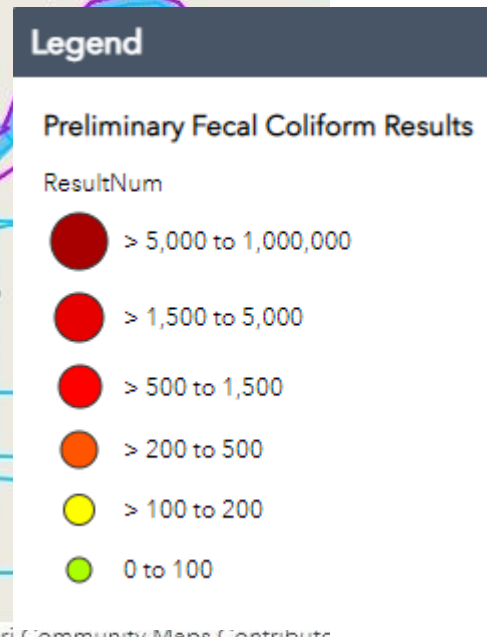
Site	Description
DD4	Double Ditch West @ Badger
DD3	Double Ditch East @ Badger
DDW	Double Ditch West @ Pine St
DDE	Double Ditch East @ Pine St
F3	Double Ditch @ E. Main St
FT1	Benson Ditch @ Badger Rd
FT2	Depot Ditch @ Badger Rd
FT3	Bender Ditch @ Badger Rd
FT4	Fishtrap Creek @ Badger Rd
F7	Fishtrap Creek @ Aaron Dr
F6	Fishtrap Creek @ Bender Rd
F5a	Fishtrap Creek @ Depot Rd
F4	Fishtrap Creek @ E. Main St
F3a	Double Ditch @ Fishtrap Creek
F4b	Fishtrap Creek @ Kok Rd
F2a	Fishtrap Creek @ Guide Meridian
F2	Fishtrap Creek @ Flynn Rd



Water Quality Results: From 5/30/23

Item #6.

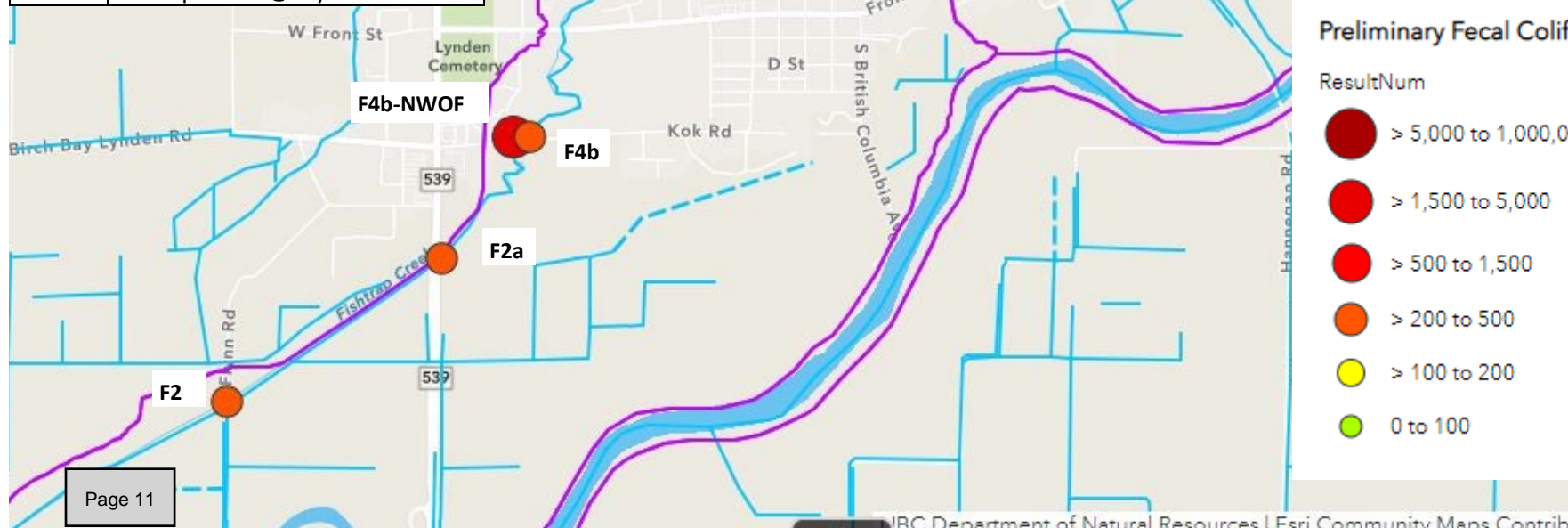
Site	Description
DD4	Double Ditch West @ Badger
DD3	Double Ditch East @ Badger
DDW	Double Ditch West @ Pine St
DDE	Double Ditch East @ Pine St
F3	Double Ditch @ E. Main St
FT1	Benson Ditch @ Badger Rd
FT2	Depot Ditch @ Badger Rd
FT3	Bender Ditch @ Badger Rd
FT4	Fishtrap Creek @ Badger Rd
F7	Fishtrap Creek @ Aaron Dr
F6	Fishtrap Creek @ Bender Rd
F5a	Fishtrap Creek @ Depot Rd
F4	Fishtrap Creek @ E. Main St
F3a	Double Ditch @ Fishtrap Creek
F4b	Fishtrap Creek @ Kok Rd
F2a	Fishtrap Creek @ Guide Meridian
F2	Fishtrap Creek @ Flynn Rd



Water Quality Results: From 6/12/23

Item #6.

Site	Description
DD4	Double Ditch West @ Badger
DD3	Double Ditch East @ Badger
DDW	Double Ditch West @ Pine St
DDE	Double Ditch East @ Pine St
F3	Double Ditch @ E. Main St
FT1	Benson Ditch @ Badger Rd
FT2	Depot Ditch @ Badger Rd
FT3	Bender Ditch @ Badger Rd
FT4	Fishtrap Creek @ Badger Rd
F7	Fishtrap Creek @ Aaron Dr
F6	Fishtrap Creek @ Bender Rd
F5a	Fishtrap Creek @ Depot Rd
F4	Fishtrap Creek @ E. Main St
F3a	Double Ditch @ Fishtrap Creek
F4b	Fishtrap Creek @ Kok Rd
F2a	Fishtrap Creek @ Guide Meridian
F2	Fishtrap Creek @ Flynn Rd



Fishtrap Creek Focus Area

Water Quality Status: Fecal Coliform Bacteria

Item #6.

May 2023

Background: Clean water is a valuable resource; it is essential for human health and for the health of fish, shellfish, wildlife, and livestock. Water provides irrigation for crops and a safe place for water-based recreation. To maintain safe shellfish harvest, Washington State has developed standards for fecal bacteria in marine waters. Meeting the fecal coliform benchmarks in freshwater systems leads to satisfying the marine water standards to protect public health.

Freshwater Benchmarks

Geometric Mean

Average sample contains less than:
100 fecal coliform/100mL

- and -

90th Percentile

Less than 10% of samples contain over:
200 fecal coliform/100mL

Routine Monitoring: The Fishtrap Creek drainage has been identified as a **focus area** for water quality monitoring due to high levels of bacteria observed through the routine monitoring program. Whatcom County Public Works (WCPW) has monitored fecal coliform bacteria in the Fishtrap Creek drainage area since March 2015.

What are Fecal Coliform Bacteria?

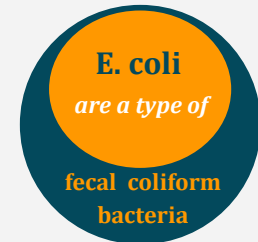
Fecal coliform bacteria are found in human and animal feces. Detection in a creek is a sign that pathogens from these wastes may be polluting the water. Contact with fecal contaminated waters can result in **gastroenteritis, skin rashes, upper respiratory infections** and other illnesses.

Where Does the Bacteria Come From?

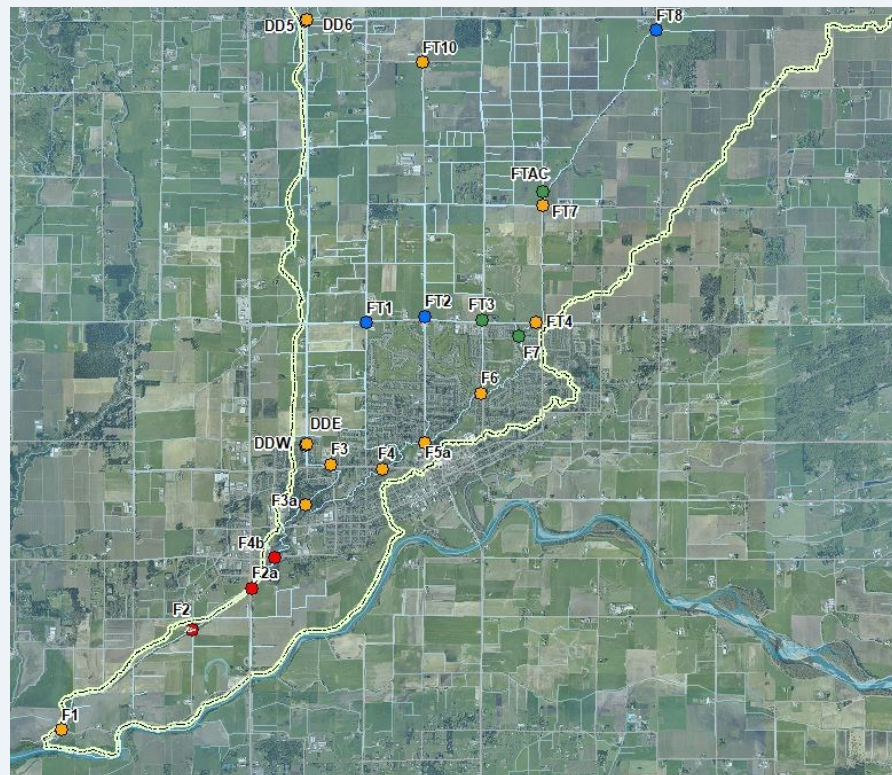
Potential sources of bacteria include:

- 1) Animal waste from livestock, domestic pets, and wildlife
- 2) Human sewage from failing septic systems, leaking sewer lines or cross-connections between sewer and stormwater systems

Other potential sources are continually being investigated.



Whatcom County Public Works Fishtrap Creek Water Quality Monitoring Stations



Water Quality Status (Geometric Mean)

- < 50 FC/100mL
- 50-100 FC/100mL
- 100-200 FC/100mL
- 200-500 FC/100mL
- 500-1000 FC/100mL
- > 1000 FC/100mL

Note: This map illustrates the status of each station for the 3-year geometric mean to assist with identifying hot spots.

Fishtrap Creek Focus Area Mainstem Stations

Comparison of Bacteria Levels to Health Benchmarks

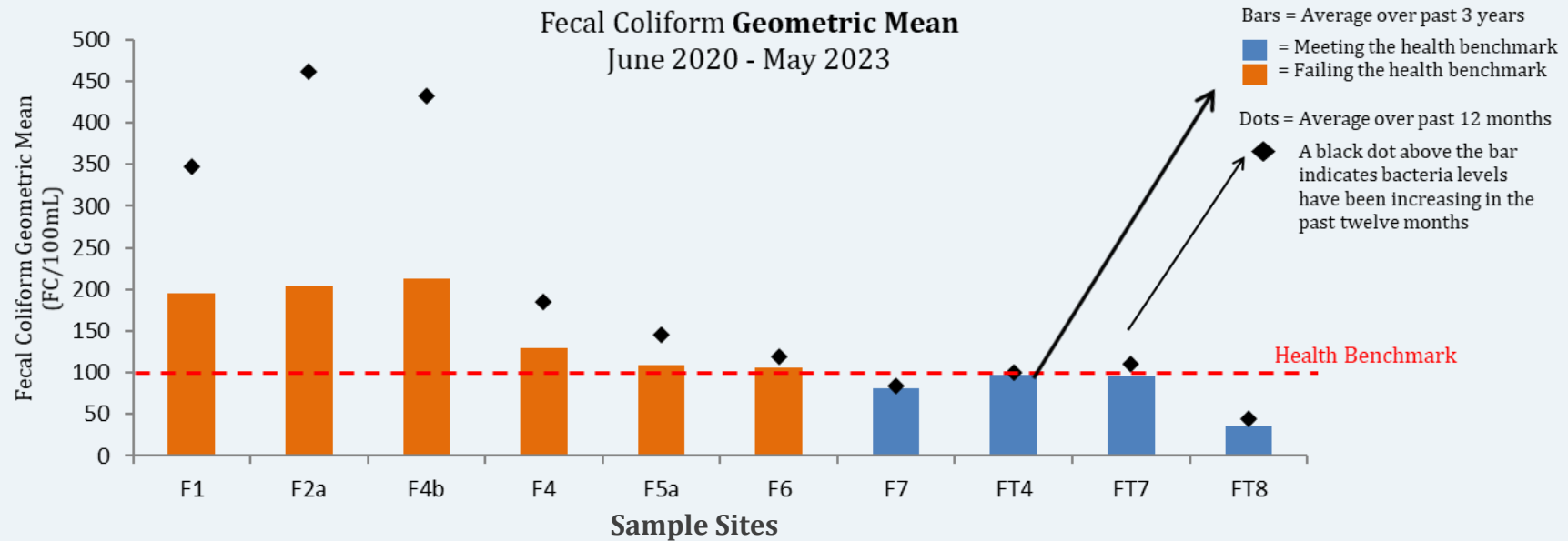
Item #6.

Refer to the map on page 1 or the tables on page 4 for site locations.

Fishtrap Creek Mainstem

Fecal Coliform Geometric Mean

June 2020 - May 2023

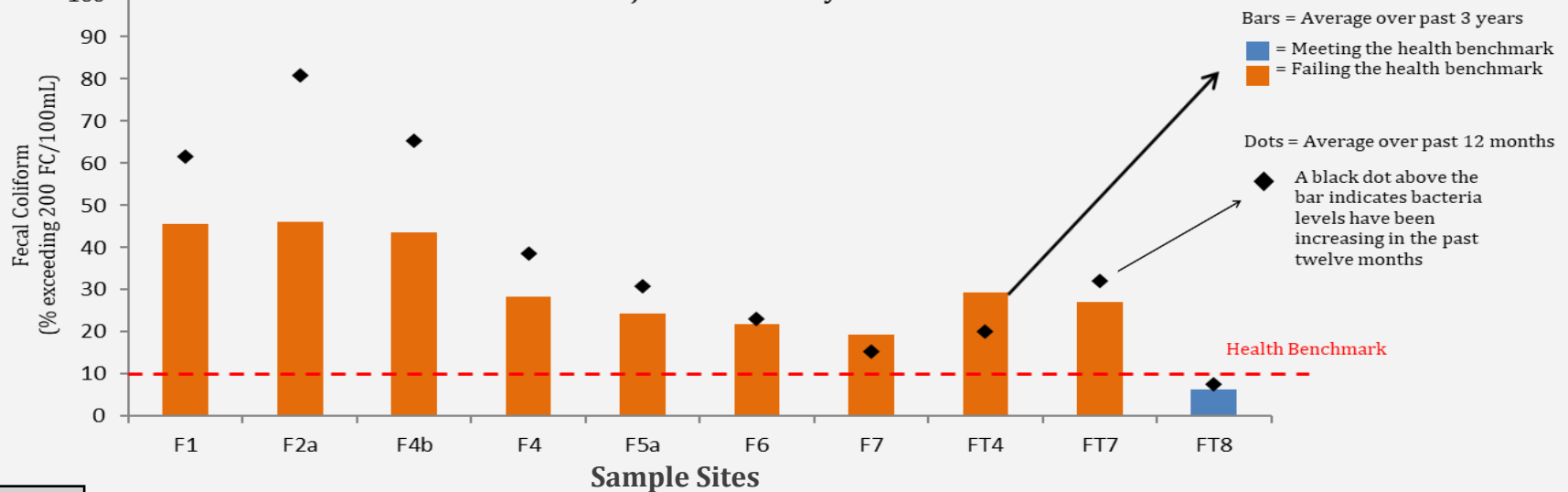


*The bar must be blue on both graphs for the sample site to be meeting the freshwater health benchmark.

Fishtrap Creek Mainstem

Fecal Coliform 90th Percentile

June 2020 - May 2023



Fishtrap Creek Focus Area Mainstem Stations

13- Month Historical Fecal Coliform Bacteria Data

Results in light orange exceeded 200 FC/100mL. Results in dark orange exceed 1000 FC/100mL.

Item #6.

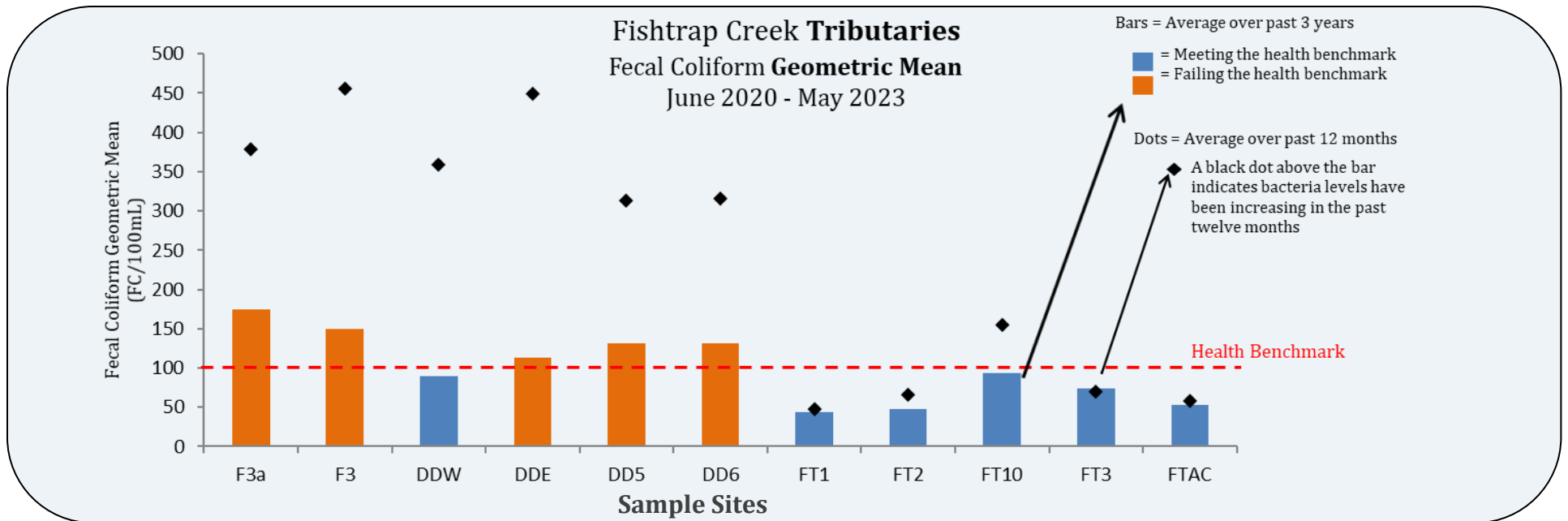
Date	Rainfall Data (Lynden.S)		Creek Access Point	River Rd.	Guide Meridian	Kok Rd.	Main St.	Depot Rd. Bridge	Bender Rd.	Aaron	Badger	Pangborn	Northwood
	24 hr*	72 hr**		F1	F2a	F4b	F4	F5a	F6	F7	FT4	FT7	FT8
5/9/22	0.02	0.11		46	40	66	112	40	41	40	26	1,000	7
5/24/22	0.00	0.00		145	55	82	60	112	56	50	58	16	15
6/6/22	0.00	1.46		450	1,300	1,100	700	480	440	580	440	490	70
6/21/22	0.06	0.08		400	570	400	84	127	84	28	40	36	33
7/5/22	0.00	0.09		560	260	260	90	112	118	82	102	60	36
7/18/22	0.01	0.02		320	210	230	136	82	102	114	91	270	31
8/15/22	0.00	0.00		1,400	1,900	4,300	73	106	98	78	86	480	7
8/29/22	0.00	0.00		270	400	590	410	300	191	98	102	136	39
9/12/22	0.00	0.00		73	230	200	109	240	78	48	62	76	46
9/27/22	0.00	0.00		280	220	145	330	70	44	23	31	90	56
10/10/22	0.00	0.00		200	210	200	420	73	66	74	ST	ST	34
10/24/22	0.00	0.00		78	600	1,100	3,600	3,800	2,000	155	260	800	80
11/7/22	0.03	2.26		7,000	1,900	2,400	3,000	2,600	700	270	330	210	200
11/21/22	0.00	0.00		92	56	64	26	18	380	31	33	58	52
12/5/22	0.00	0.00		20,000	20,000	20,000	58	58	66	164	136	164	230
12/19/22	0.00	0.08		8,000	15,000	15,000	240	64	60	76	66	84	50
1/4/23	0.00	0.04		580	640	240	230	450	390	440	550	520	178
1/17/23	0.16	0.34		13,000	1,000	4,000	50	68	70	68	70	80	90
1/30/23	0.00	0.11		28	54	48	90	40	27	40	46	18	3
2/13/23	0.11	0.07		1,000	4,000	2,000	68	136	112	32	33	50	28
2/27/23	0.03	0.10		38	46	33	58	54	58	23	23	32	27
3/14/23	0.05	0.36		340	310	290	120	131	121	113	171	106	60
3/27/23	0.00	0.92		28	60	58	82	50	31	28	16	26	15
4/10/23	0.10	0.11		50	240	92	155	155	118	127	200	84	33
4/24/23	0.29	0.63		400	600	300	600	900	300	300	800	1,400	800
5/1/23	0.11	0.00		42	182	54	94	50	42	33	182	8	7
5/16/23	0.00	0.00		73	220	250	200	127	155	106	136	84	30
5/30/23	0.00	0.00		590	420	500	1,100	210	52	173	100	260	104

Fishtrap Creek Focus Area *Tributary Stations*

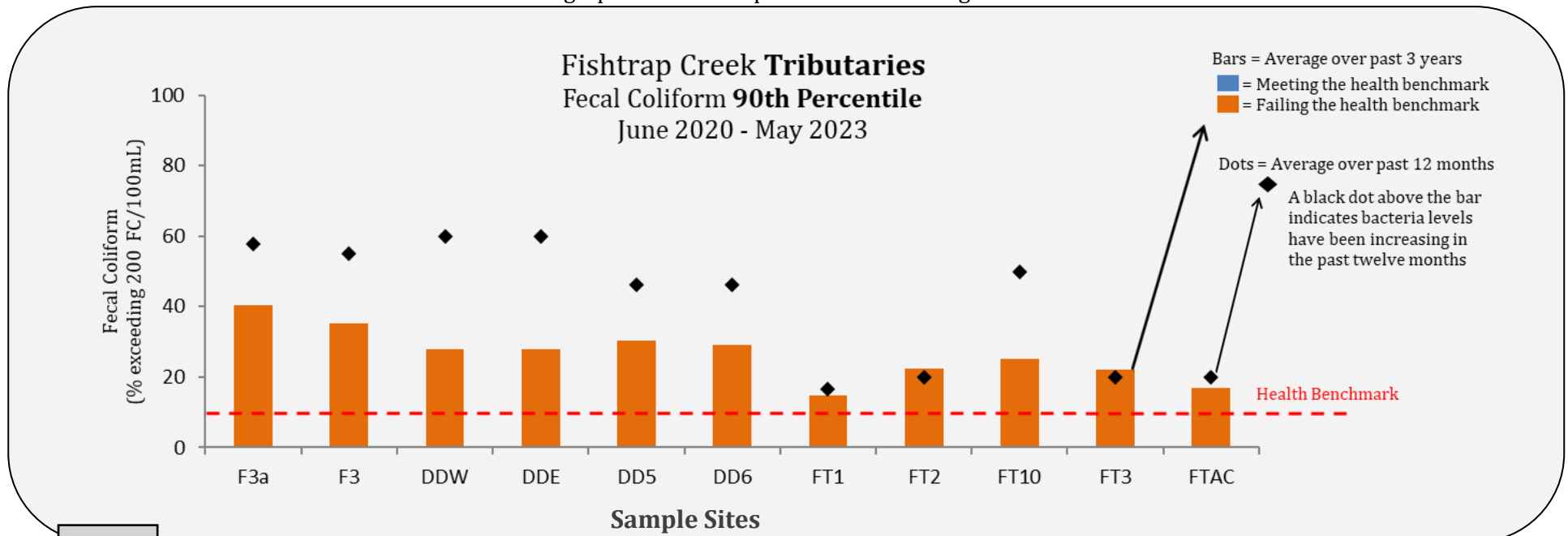
Comparison of Bacteria Levels to Health Benchmarks

Item #6.

Refer to the map on page 1 or the tables on page 5 for site locations.



*The bar must be blue on both graphs for the sample site to be meeting the freshwater health benchmark.



13- Month Historical Fecal Coliform Bacteria Data

Item #6.

Results in light orange exceeded 200 FC/100mL. Results in dark orange exceed 1000 FC/100mL.

Date	Creek Access Rainfall Data(Lynden.S)		Double Ditch at Fish-	Double Ditch at Lynden	DD West at Pine	DD East at Pine	DD West at Border	DD East at Border	Benson at Badger	Depot at Badger	Depot at Visser	Bender at Badger	E Assink, N of Pangborn
	24 hr*	72 hr**	F3a	F3	DDW	DDE	DD5	DD6	FT1	FT2	FT10	FT3	FTAC
5/9/22	0.02	0.11	64	30	40	106	31	44	18	26	6,000	250	270
5/24/22	0.00	0.00	240	220	23	240	46	60	23	13	173	56	31
6/6/22	0.00	1.46	270	90	100	76	36	55	520	280	300	270	1,400
6/21/22	0.06	0.08	1,900	1,800	380	40	66	44	40	44	21	50	104
7/5/22	0.00	0.09	210	164	260	118	34	42	94	40	D	104	155
7/18/22	0.01	0.02	380	70	90	600	60	62	102	86	D	116	108
8/15/22	0.00	0.00	62	D	ST	D	36	28	ST	ST	D	D	34
8/29/22	0.00	0.00	109	D	D	D	56	50	D	ST	D	D	52
9/12/27	0.00	0.00	118	D	D	D	44	44	D	D	D	D	182
9/27/22	0.00	0.00	94	D	D	D	26	40	D	D	D	D	76
10/10/22	0.00	0.00	90	D	D	D	58	41	D	D	D	D	66
10/24/22	0.00	0.00	240	ST	D	D	900	1,200	ST	D	D	D	700
11/7/22	0.03	2.26	490	510	209	800	1,500	500	1,600	2,700	ST	7,000	100
11/21/22	0.00	0.00	44	23	8	15	48	31	40	26	D	21	54
12/5/22	0.00	0.00	20,000	20,000	20,000	20,000	20,000	20,000	155	50	D	23	46
12/19/22	0.00	0.08	15,000	15,000	15,000	15,000	15,000	15,000	F	140	D	112	F
1/4/23	0.00	0.04	600	790	710	1,330	610	870	2	16	5	8	16
1/17/23	0.16	0.34	52,000	24,000	25,000	18,000	13,000	19,000	5	20	74	12	3
1/30/23	0.00	0.11	66	95	330	111	762	624	68	23	540	58	20
2/13/23	0.11	0.07	13,000	10,000	16,000	13,000	19,000	23,000	23	52	580	28	330
2/27/23	0.03	0.10	40	30	40	22	76	64	58	42	4,000	25	17
3/14/23	0.05	0.36	440	560	570	440	673	881	15	18	881	100	10
3/27/23	0.00	0.92	78	74	30	25	300	310	20	92	390	76	3
4/10/23	0.10	0.11	1,000	850	500	1,300	1,700	3,100	15	58	90	340	250
4/24/23	0.29	0.63	800	900	1,000	1,300	800	1,800	400	220	100	370	23
5/1/23	0.11	0.00	28	52	18	18	155	64	5	15	21	13	11
5/16/23	0.00	0.00	250	250	66	360	200	155	88	82	D	36	82
5/30/23	0.00	0.00	118	100	74	1,600	86	114	ST	270	D	72	220

Gray box indicates an event where no sample was collected for varying reasons. ST- Stagnant, FL- Flood, D-Dry, TNS-Temporarily Not Sampling.

measured in inches. *Day of sampling event **Three days prior to, but not including, day of sampling event. Rainfall data provided courtesy of Washington State



CONSTRUCTION BULLETIN

PeaceHealth Lynden Clinic



PeaceHealth



PROJECT LOCATION:

8844 Benson Rd.
Lynden, WA 98264

REGULAR WORK HOURS:

WEEKDAYS: 7 AM TO 6 PM

EXXEL CONTACT:

Tim Tabert, Project Manager
Office: (360) 734-2872
Cell: (360) 815-5663
timt@exxelpacific.com



July 2023

Project Description:

Construction of a single-story multi-specialty medical clinic for PeaceHealth. Site improvements include surface parking areas, landscape areas with walkways and site amenities, and landscape buffers along the south and east property lines.

The new clinic will house both traditional and same-day primary care, as well as the following specialty and support services: orthopedics, cardiology, OB-GYN, physical therapy, imaging and lab. Additional services may be added in the future based on community need. We expect more than 50 caregivers working in the clinic each day, serving 150-200 patients.

PeaceHealth and Exxel Pacific are delighted to partner to bring much-needed healthcare services to north Whatcom County.

Project Completion:

- Construction Completion: Winter of 2023/2024.
- Opening: Spring of 2024.

What is happening this month:

- Building – Gypsum Wall Board Install
- Building – Cembrit & Phenolic Siding Install
- Building - Mechanical, Plumbing, Fire Protection and Electrical Rough-In
- Building – Glazing Install
- Site - Site Lighting
- Site – Pervious Concrete & Curb & Gutter Placement
- Site - Irrigation

Project Milestones:

- Completion of Gypsum Wall Board August 2023

Jobsite Safety and Neighbor Relations:

It is our sincere desire and priority to maintain a safe jobsite for our employees, subcontractors, and local community. As members of the AGC Safety Team, we are committed to making safety an active part of every project we build. Safety is not just about a policy; it is part of our culture.

Exxel Pacific's Safety Program includes not only our employees and subcontractors, but also the local community as they walk, bike, and drive around our site. Please observe the temporary traffic signage and flaggers' directions as their priority is to maintain a safe work site and surrounding area. Please raise your awareness when walking, biking, or driving around the site for machinery, trucks, and construction traffic.

PeaceHealth and Exxel Pacific place a high value on building and maintaining good relationships with all those involved in our construction projects, and that includes you as a neighbor. We are excited to be a part of this project and the services it will provide for our community. Further, it is our goal that the construction process will be a positive experience for the neighborhood. If you have any questions or concerns regarding the construction activity on this project, please feel free to contact our Project Manager, Tim Tabert, at timt@exxelpacific.com, or at 360-815-5663.

Projects Update – July 5, 2023

Under Design:

- Benson Road – Received \$1,450,000 bringing total funds to \$3,437,603. Current engineer's estimate is \$5,863,445 including construction with 25% contingency. Right of Way \$495,600, Design and Construction Management \$1,195,464.
- Bradley Road Complete Street Improvement – City will receive State "Move Ahead WA" funding (\$3M) for this project through WSDOT. Property acquisition moving forward based on ROW plan. Bringing Property Funding Estimate (PFE) to Committee in July.
- Cedar Drive Utility and Street Improvements – Pending private property line dispute.
- Guide Meridian Sewer Main Extension - N. of Front – Reviewing 60% plans and finalizing easements (Scholten & AM/PM) for late 2023 construction. Will be establishing a Latecomer Agreement (Reimbursement Assessment Area).
- Liberty and Glenning Sidewalk – Received \$470,000 which includes \$150,000 from Everson as they did not need it all for their project. Current engineer's estimate is \$686,000.
- Pepin FASST (Federal RAISE Planning Grant) – Lynden was not awarded this grant.

Under Construction

- WSDOT Culvert Replacement – State is reviewing 4-day full closure request from contractor to occur immediately after NWWA Fair. Detour routes will be Main Street to 19th and Front Streets southbound, Birch Bay Lynden Road to Berthusen Road northbound.
- Guide Meridian Pump Station 17 – Colacurcio – PSE scheduled to install power this week.
- NW Fair and Event Center Stormwater Improvements – Stormwater informational kiosks under development.