

City of Ferndale  
WWTP Laboratory  
Stormwater Monitoring  
Fecal Colonies Per 100mL,NTU

Location	City Hall Culvert		Imhoff Rd Culvert		Main St. Culvert		Vanderyacht Park		East Regional Pd		West Imhoff culvert		storm	Heather Drive		West Regional Pond	
Site ID	SC1 Schell Ditch		SC2 Schell Marsh		SC3 Schell Creek		NR8		NR9		SC4		Event	SC5		SC6	
Date	Per/100ml	NTU	Per/100ml	NTU	Per/100ml	NTU	Per/100ml	NTU	Per/100ml	NTU	Per/100	NTU		Per/100ml	NTU	Per/100ml	NTU
1/4/2021	68	5	no flow	n/a	45	4	49	36	18	13	130	5		90	5	36	8
2/5/2021	54	6	no flow	n/a	72	6	9	12	no flow	n/a	62	6		140	8	18	13
2/26/2021	10	6	no flow	n/a	55	3	0	6	no flow	n/a	80	3		69	3	20	19
3/12/2021	3	4	no flow	n/a	27	2	10	4	no flow	n/a	95	2		880	3	100	18
4/1/2021	240	3	no flow	n/a	61	2	3	3	no flow	n/a	10	2		1,400	3	10	18
5/7/2021	680	13	no flow	n/a	700	5	91	6	no flow	n/a	1,200	4		2,400	7	60	19
5/14/2021	60	3	no flow	n/a	380	2	0	4	no flow	n/a	40	3		2,800	6	52	18
6/18/2021	430	3	no flow	n/a	70	2	60	3	no flow	n/a	1,060	3		2,600	4	90	10
7/9/2021	no flow	n/a	no flow	n/a	1,400	2	160	4	no flow	n/a	3,800	5		37,000	8	10	9
8/5/2021	no flow	n/a	no flow	n/a	no flow	n/a	no flow	n/a	no/flow	n/a	no flow	n/a		no flow	n/a	no flow	n/a
9/1/2021	no flow	n/a	no flow	n/a	no flow	n/a	8	4	no/flow	n/a	4,600	3		11,000	4	10	9
9/10/2021	no flow	n/a	no flow	n/a	no flow	n/a	370	11	no/flow	n/a	no flow	n/a		71,000	7	44	4
10/11/2021	no flow	n/a	no flow	n/a	280	1	60	2	no/flow	n/a	550	1		4,300	2	0	6
10/26/2021	120	9	no flow	n/a	500	3	100	4	no/flow	n/a	770	4		15,000	3	<2	25
11/4/2021	220	11	no flow	n/a	770	10	140	16	no/flow	n/a	640	10		2,100	7	100	9
12/6/2021	89	16	no flow	n/a	210	8	190	18	no/flow	n/a	190	7		240	5	94	53
GEOMEAN*	82		#NUM!		177		21				289			1919		23	

GEOMEAN\* is used for sites with >= 10 sample events

Wet season/dry season storm event samples (.2 inches of rain in previous 24hrs) - City sampling only  
outfall sub. means that the site was backed up with river water from the outfall being submerged.

2021-2026 STORM Capital Improvement Program

Project No.	Year Scheduled	STORM Project Name	Total	2021	2022	2023	2024	2025	2026
Surface and Storm Water									
Facility and Conveyance									
	2021	Malloy Road Culvert Replacement	\$ 1,250,000	\$ 1,250,000					
	2022-2023	Portal Way Culvert Replacement	\$ 1,490,000		\$ 90,000	\$ 700,000		\$ 700,000	
	2023	Decant Facility Construction (Dependent on grant funding)	\$ 3,000,000			\$ 3,000,000			
	2024	Douglas Road Culvert Replacement (possibly as street concurrent project)	\$ 1,125,000		\$ 125,000		\$ 1,000,000		
	2025	Gateway Storm Riverside to Labounty Construction	\$ 2,000,000					\$ 2,000,000	
	2026	Labounty Road Culvert Replacement	\$ 1,125,000					\$ 125,000	\$ 1,000,000
		SUBTOTAL	\$ 2,740,000	\$ 1,250,000	\$ 215,000	\$ 3,700,000	\$ 1,000,000	\$ 2,825,000	\$ 1,000,000
Studies									
	2021	Storm Comprehensive Plan Update	\$ 60,000	\$ 60,000					
	2021	Receiving Water Assessment	\$ 90,000	\$ 90,000					
	2022	Stomwater Management Action Planning	\$ 80,000		\$ 80,000				
	2023	Portal Way between Brown and Grandview	\$ 75,000			\$ 75,000			
	2023	Stomwater Management Action Plan Implementation	\$ 75,000			\$ 75,000			
	2024	Smith between PS #4 and Hovander	\$ 75,000				\$ 75,000		
		SUBTOTAL	\$ 455,000	\$ 150,000.00	\$ 80,000.00	\$ 150,000.00	\$ 75,000.00	\$ -	
Ferndale Levee Projects									
		Emergency Repair	\$ -						
		Levee Rehabilitation Design and Construction	\$ -						
		SUBTOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
NPDES Compliance Projects									
	2022	Nooksack TMDL Fecal Coliform Reduction Projects	\$ 150,000		\$ 150,000				
	2022	Stomwater Management Action Planning	\$ 80,000		\$ 80,000				
	2024	Source Control Program Implementation	\$ 500,000				\$ 500,000		
		SUBTOTAL	\$ 730,000	\$ -	\$ 230,000	\$ -	\$ 500,000	\$ -	
Maintenance and Repair									
	Annual	Catch Basin and Conveyance Repair and Replacement	\$ 170,666	\$ 26,523	\$ 27,319	\$ 28,138	\$ 28,982	\$ 29,852	\$ 29,852
	Annual	Stormwater Facilities Maintenance and Upgrades	\$ 170,666	\$ 26,523	\$ 27,319	\$ 28,138	\$ 28,982	\$ 29,852	\$ 29,852
			\$ -						
	2020-2021	Southwest Pond Maintenance	\$ 150,000	\$150,000					
		SUBTOTAL	\$ 341,332	\$ 203,046	\$ 54,637	\$ 56,277	\$ 57,965	\$ 59,704	\$ 59,704
Street Concurrent Projects									
	2021	Thornton Street (Vista Dr to Malloy)	\$ 125,000	\$ 125,000					
	2023	Ferndale Terrace Construction	\$ 300,000		\$ 300,000				
	2024	Thornton Street (Church Rd to Maureen Dr)	\$ 125,000				\$ 125,000		
	2024	Douglas Road (750 ft east of S Church Rd to Imhoff)	\$ 275,000				\$ 275,000		
	2023	Legoe Avenue	\$ 85,000					\$ 85,000	
	2024	Main Street (Barrett to east City Limits)	\$ 410,000						\$ 410,000
		SUBTOTAL	\$ 910,000	\$ 125,000	\$ 300,000	\$ -	\$ 400,000	\$ 85,000	\$ 410,000
		SURFACE AND STORM WATER GRAND TOTAL	\$ 5,176,332	\$ 1,728,046	\$ 879,637	\$ 3,906,277	\$ 2,032,965	\$ 2,969,704	\$ 1,469,704

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