LAKE STEVENS SEWER DISTRICT
Serving You Since 1957

1106 Vernon Road, · Suite A, Lake Stevens, WA 98258
(425) 334-8588 · Fax (425) 335-5947
Web Address: lkstevenssewer.org

Water Quality Permit Coordinator
Northwest Regional Office
Washington State Department of Ecology
3190 160th Avenue SE
Bellevue, WA 98008-5452

Regarding: Whether a general permit is the appropriate tool to control and reduce nutrients in discharges from WWTP's to Puget Sound.

Dear Ecology:

The answer to the above question is no, a general permit is not the appropriate tool to control and reduce nutrients in discharges from WWTP's to Puget Sound. A general permit would not take into account a WWTP's receiving water, present or future capacity to remove nutrients, or the ability of its ratepayers to bear the burden of cost. This last point is perhaps the most poignant: a blanket general permit such as this would adversely affect the poorest and most vulnerable members of our population, as those communities would be held to the same standard as wealthier ones, without consideration of how the ratepayers would cover the cost. Wealthy communities will have an easier time either buying their way out of these limits or purchasing, installing and maintaining the technology needed to achieve nutrient reductions.

The Lake Stevens Sewer District believes it would be more important to invest in efforts to quantify non-point source, agricultural, and Victorian inputs of nutrients into Puget Sound before requiring the expenditure of billions of dollars. While WWTP's may appear to be low hanging fruit, that fruit is small and withered compared to other yet-to-be quantified inputs of nutrient sources to Puget Sound. If this must happen immediately, we ask that a means of funding be included in order to protect those ratepayers in the most vulnerable portions of society.

Because the receiving waters of the Lake Stevens Sewer District have not been sampled in a long time, and this comment period encouraged submitting data about receiving waters, LSSD sampled Ebey Slough upstream and downstream of its outfall. Sampling was conducted 150' north and south of the outfall via grab sample from a boat. Because Ebey Slough is a marine estuary with flow direction dependent on the tide, sampling occurred while the tide was coming in (flowing north) and when the tide was flowing out (flowing south). The mixing zone for this outfall is 215' in length, and sampling was conducted outside of this zone. During the first sampling, the downstream sample was 0.01 mg/L lower in Total Inorganic Nitrogen (TIN) than the upstream sample. When the tides changed, again the downstream sample was 0.01 mg/L lower than the upstream sample. Supplemental information for this sampling event is included in the following pages.

We are dedicated to protecting and enhancing water resources in Puget Sound, and are hoping for a collaborative approach that gets most impact per dollar spent.

Thank you for your consideration,
Caitlin Hubbard, Lake Stevens Sewer District

Ebey Slough Sampling

Background/Introduction

The WA State Department of Ecology has opened a comment period from August 21, 2019 – October 21, 2019 to answer the following question:

"Whether a general permit is the appropriate tool to control and reduce nutrients in discharges from domestic wastewater treatment plants (WWTPs) to Puget Sound. This public comment period is also an opportunity to provide us other relevant information about WWTPs and Puget Sound water quality. For example, you may submit any documented information on the characteristics of the discharge (individually or categorically) including effluent quantity, quality, and any receiving water impacts."

The suggested Total Inorganic Nitrogen (TIN) limit for all Western Washington WWTP's is 8 mg/L. The average TIN for LSSD's final effluent in 2019 through September is 17 mg/L. The LSSD WWTP has an average ammonia load of 34 mg/L, which is a portion of TIN loading but has no official data with respect to TIN inputs. The LSSD WWTP is a Membrane Bioreactor plant with the ability to nitrify and do some denitrifying. At the time the above question was asked, the Lake Stevens Sewer District (LSSD) did not have data on hand with respect to receiving water quality, so a sampling event of its receiving water (Ebey Slough) was conducted on September 4, 2019.

Materials and Methods

Because Ebey Slough is a tidal marine estuary, water flows north when the tide is going in and south when the tide is going out. Two sampling trips were made via boat to sample upstream and downstream of the LSSD WWTP outfall; one trip when the tide was on its way in and one when the tide was on its way out. The LSSD Mixing Zone is 215 feet long, and samples were gathered outside of this zone, at approximately 150' north and south of the outfall. Samples were gathered via grab sample from the side of the boat, were preserved with 0.5 mL of H_2SO_4, and transported to Edge Analytical for analysis within the required time period.

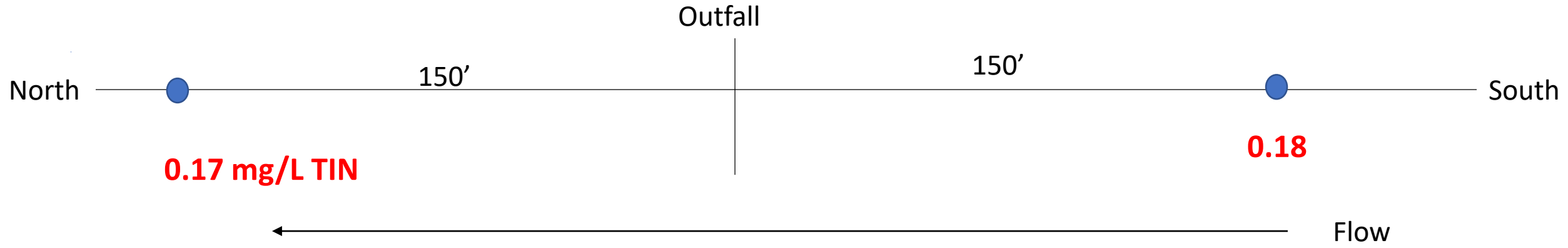
Results

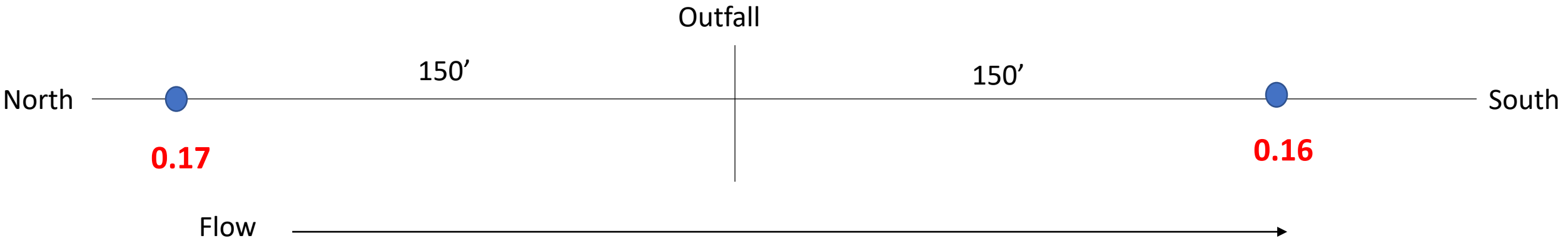
Time Sept. 4, 2019	Upstream TIN mg/L	Downstream TIN mg/L
8:18 AM	0.18	0.17
12:25 PM	0.17	0.16

Discussion/Analysis

On any given day LSSD discharges roughly 2-2.5 MGD of water that has a TIN concentration of approximately 17 mg/L. It is fascinating to see that downstream measurements of TIN are less than upstream measurements in both cases. The average TIN of the four samples taken is 0.17 mg/L, 100 times less than LSSD's final effluent.

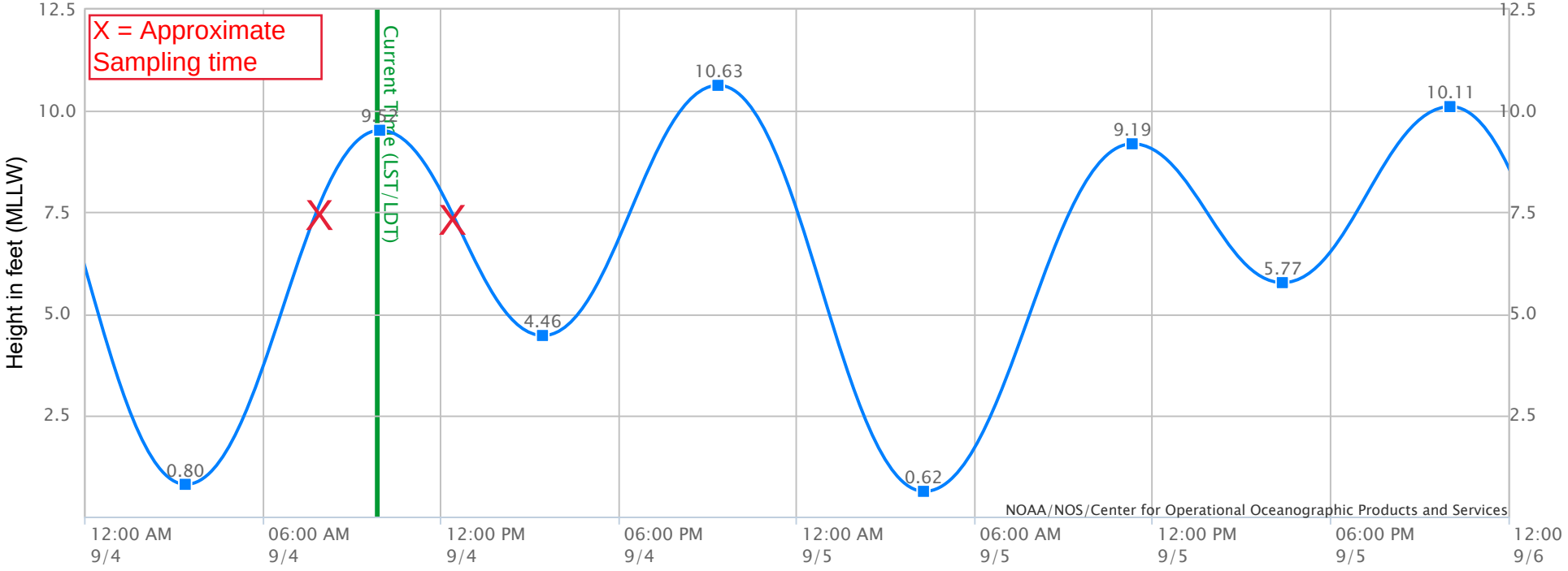
Waters of Ebey Slough flow north to the Qwuloolt Estuary, a project with goals of restoration of natural hydrologic processes and aims of sustaining salmon and wildlife. There may be some nutrient uptake by wetland plants in this area, and that could theoretically account for the waters flowing out having lower TIN than waters flowing in. In order to ensure scientific validity, an opportunity to repeat this experiment several times would be necessary.


Outfall
North
150’
150’
South
0.17 mg/L TIN
0.18
Flow


Outfall
North
150’
150’
South
0.17
0.16
Flow

Help Print

NOAA/NOS/CO-OPS
Tide Predictions at 9447659, EVERETT WA
From 2019/09/04 12:00 AM LST/LDT to 2019/09/05 11:59 PM LST/LDT



Note: The interval is High/Low, the solid blue line depicts a curve fit between the high and low values and approximates the segments between.
Disclaimer: These data are based upon the latest information available as of the date of your request, and may differ from the published tide tables.

High/Low Tide Prediction Data Listing

Station Name: EVERETT, WA
Action: Daily
Product: Tide Predictions
Start Date & Time: 2019/9/4 12:00 AM
End Date & Time: 2019/9/5 11:59 PM

Source: NOAA/NOS/CO-OPS
Prediction Type: Harmonic
Datum: MLLW
Height Units: Feet
Time Zone: LST/LDT

Date	Day	Time	Hgt	Time	Hgt	Time	Hgt	Time	Hgt

Burlington, WA *Corporate Laboratory (a)*
1620 S Walnut St - Burlington, WA 98233 - **800.755.9295** • 360.757.1400

Bellingham, WA *Microbiology (b)*
805 Orchard Dr Ste 4 - Bellingham, WA 98225 - 360.715.1212

Portland, OR *Microbiology/Chemistry (c)*
9150 SW Pioneer Ct Ste W - Wilsonville, OR 97070 - 503.682.7802

Corvallis, OR *Microbiology/Chemistry (d)*
1100 NE Circle Blvd, Ste 130 - Corvallis, OR 97330 - 541.753.4946

Bend, OR *Microbiology (e)*
20332 Empire Blvd Ste 4 - Bend, OR 97701 - 541.639.8425

October 9, 2019

Caitlin Hubbard
Lake Stevens Sewer District
1106 Vernon Rd
Lake Stevens, WA 98258

RE: 19-35418 - Receiving Water Sampling

Dear Caitlin Hubbard,

Your project: Receiving Water Sampling, was received on Friday September 13, 2019.

All samples were analyzed within the accepted holding times and were appropriately preserved and analyzed according to approved analytical protocols, unless noted in the data or QC reports. The quality control data was within laboratory acceptance limits, unless specified in the data or QC reports.

If you have questions phone us at 800 755-9295.

Respectfully

Patrick Miller, MS
QA Officer

Enclosures: Data Report
QC Reports
Chain of Custody

Burlington, WA	*Corporate Laboratory (a)*	1620 S Walnut St	Burlington, WA 98233	**800.755.9295** • 360.757.1400
Bellingham, WA	*Microbiology (b)*	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	*Microbiology/Chemistry (c)*	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	*Microbiology (d)*	540 SW Third Street	Corvallis, OR 97333	541.753.4946

October 9, 2019

Case Narrative

Reference: **19-35418**

Lab Sample ID	Sample Information
68563	**EBS-N1 - Ebey Slough**

Analytical Method	Notes	Created by
351.2	TKN: Analyst ran out of boiling stones and used boiling rods instead. Contamination expected, samples have been blank corrected. If you need a value that has not been blank corrected please contact Edge. BSP 9/26/19	BSP

EDGE ANALYTICAL

Burlington, WA *Corporate Laboratory (a)*
1620 S Walnut St - Burlington, WA 98233 - **800.755.9295** • 360.757.1400

Bellingham, WA *Microbiology (b)*
805 Orchard Dr Ste 4 - Bellingham, WA 98225 - 360.715.1212

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Corvallis, OR *Microbiology/Chemistry (d)*
1100 NE Circle Blvd, Ste 130 - Corvallis, OR 97330 - 541.753.4946

Bend, OR *Microbiology (e)*
20332 Empire Blvd Ste 4 - Bend, OR 97701 - 541.639.8425

Data Report

Client Name: Lake Stevens Sewer District
1106 Vernon Rd
Lake Stevens, WA 98258

Reference Number: **19-35418**
Project: Receiving Water Sampling

Report Date: 10/9/19

Date Received: 9/13/19
Approved by: bj
Authorized by:

Patrick Miller, MS
QA Officer

Sample Description: EBS-N1 Ebey Slough — Matrix W — Sample Date: 9/4/19 8:18 am
Lab Number: 68563 — Sample Comment: — Collected By: Caitlin Hubbard

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
NA	**TOTAL NITROGEN**	0.41	1.0		mg/L	1.0	<SUM>	a	9/30/19	BSP	TN_190930	
7664-41-7	**AMMONIA**	0.05	0.01	0.007	mg/L	1.0	350.1	a	10/7/19	BSP	350.1_191007	
E-10264	**TOTAL KJELDAHL NITROGEN**	0.29 BC	0.20	0.0047	mg/L	1.0	351.2	a	9/25/19	BSP	351.2_190925	
NA	**TOTAL INORGANIC NITROGEN**	0.17	0.01		mg/L	1.0	EDGE_TIN	a	10/9/19	BSP	TIN_191009	
E-10128	**TOTAL NITRATE/NITRITE**	0.12	0.010	0.004	mg/L	1.0	SM4500-NO3 F	a	9/19/19	BSP	NO3NO2_190919	

Sample Description: EBS-S1 Ebey Slough — Matrix W — Sample Date: 9/4/19 8:18 am
Lab Number: 68564 — Sample Comment: — Collected By: Caitlin Hubbard

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
NA	**TOTAL NITROGEN**	0.35	1.0		mg/L	1.0	<SUM>	a	9/30/19	BSP	TN_190930	
7664-41-7	**AMMONIA**	0.05	0.01	0.007	mg/L	1.0	350.1	a	10/7/19	BSP	350.1_191007	
E-10264	**TOTAL KJELDAHL NITROGEN**	0.22 BC	0.20	0.0047	mg/L	1.0	351.2	a	9/25/19	BSP	351.2_190925	
NA	**TOTAL INORGANIC NITROGEN**	0.18	0.01		mg/L	1.0	EDGE_TIN	a	10/9/19	BSP	TIN_191009	
E-10128	**TOTAL NITRATE/NITRITE**	0.13	0.010	0.004	mg/L	1.0	SM4500-NO3 F	a	9/19/19	BSP	NO3NO2_190919	

Sample Description: EBS-N2 Ebey Slough — Matrix W — Sample Date: 9/4/19 12:25 pm
Lab Number: 68565 — Sample Comment: — Collected By: Caitlin Hubbard

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
NA	**TOTAL NITROGEN**	0.52	1.0		mg/L	1.0	<SUM>	a	9/30/19	BSP	TN_190930	
7664-41-7	**AMMONIA**	0.04	0.01	0.007	mg/L	1.0	350.1	a	10/7/19	BSP	350.1_191007	
E-10264	**TOTAL KJELDAHL NITROGEN**	0.39 BC	0.20	0.0047	mg/L	1.0	351.2	a	9/25/19	BSP	351.2_190925	
NA	**TOTAL INORGANIC NITROGEN**	0.17	0.01		mg/L	1.0	EDGE_TIN	a	10/9/19	BSP	TIN_191009	
E-10128	**TOTAL NITRATE/NITRITE**	0.13	0.010	0.004	mg/L	1.0	SM4500-NO3 F	a	9/19/19	BSP	NO3NO2_190919	

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor

If you have any questions concerning this report contact us at the above phone number.

Form: cRslt_2.rpt

EDGE ANALYTICAL

Reference Number: **19-35418**
Report Date: 10/9/19

Data Report

Sample Description: EBS-S2 Ebey Slough | Matrix W | Sample Date: 9/4/19 12:25 pm
Lab Number: 68566 | Sample Comment: | Collected By: Caitlin Hubbard

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
NA	**TOTAL NITROGEN**	0.12	1.0		mg/L	1.0	<SUM>	a	9/30/19	BSP	TN_190930	
7664-41-7	**AMMONIA**	0.04	0.01	0.007	mg/L	1.0	350.1	a	10/7/19	BSP	350.1_191007	
E-10264	**TOTAL KJELDAHL NITROGEN**	ND BC	0.20	0.0047	mg/L	1.0	351.2	a	9/25/19	BSP	351.2_190925	
NA	**TOTAL INORGANIC NITROGEN**	0.16	0.01		mg/L	1.0	EDGE_TIN	a	10/9/19	BSP	TIN_191009	
E-10128	**TOTAL NITRATE/NITRITE**	0.12	0.010	0.004	mg/L	1.0	SM4500-NO3 F	a	9/19/19	BSP	NO3NO2_190919	

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Calibration Check

Reference Number: **19-35418**
Report Date: 10/09/19

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
350.1_191007	0	AMMONIA	2.54	2.50	mg/L	350.1	102	90-110		CAL	
351.2_190925	0	TOTAL KJELDAHL NITROGEN	2.43	2.50	mg/L	351.2	97	90-110		CAL	
NO3NO2_190919	0	TOTAL NITRATE/NITRITE	2.48	2.50	mg/L	SM4500-NO3 F	99	90-110		CAL	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: **19-35418**
Report Date: 10/09/19

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
351.2_190925	0	TOTAL KJELDAHL NITROGEN	2.10	2.00	mg/L	351.2	105	90-110		LFB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Reagent Blank

Reference Number: **19-35418**
Report Date: 10/09/19

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
350.1_191007	0	AMMONIA	ND		mg/L	350.1		0-0		LRB	
351.2_190925	0	TOTAL KJELDAHL NITROGEN	ND		mg/L	351.2		0-0		LRB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: **19-35418**
Report Date: 10/09/19

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
350.1_191007	0	AMMONIA	ND		mg/L	350.1		0-0		MB	
351.2_190925	0	TOTAL KJELDAHL NITROGEN	ND		mg/L	351.2		0-0		MB	
NO3NO2_190919	0	TOTAL NITRATE/NITRITE	ND		mg/L	SM4500-NO3 F		0-0		MB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Quality Control Sample

Reference Number: **19-35418**
Report Date: 10/09/19

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
350.1_191007	0	AMMONIA	4.15	4.00	mg/L	350.1	104	85-115		QCS	
351.2_190925	0	TOTAL KJELDAHL NITROGEN	2.67	2.78	mg/L	351.2	96	85-115		QCS	
NO3NO2_190919	0	TOTAL NITRATE/NITRITE	1.00	1.00	mg/L	SM4500-NO3 F	100	90-110		QCS	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE DEPENDENT
QUALITY CONTROL REPORT
Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Batch	Sample	Analyte	Result	Duplicate Result	Units	%RPD	Limits	QC Qualifier	Type	Comments
Duplicate										
350.1_191007										
	70315	AMMONIA	1.20	1.19	mg/L	**0.8**	0-20		DUP	
	70782	AMMONIA	0.16	0.16	mg/L	**0.0**	0-20		DUP	
	71279	AMMONIA	0.52	0.52	mg/L	**0.0**	0-20		DUP	
351.2_190925										
	67942	TOTAL KJELDAHL NITROGEN	0.53	0.84	mg/L	**45.3**	0-20		DUP	
	68596	TOTAL KJELDAHL NITROGEN	ND	ND	mg/L	**NA**	0-20		DUP	
NO3NO2_190919										
	66596	TOTAL NITRATE/NITRITE	0.26	0.26	mg/L	**0.0**	0-20		DUP	
	66604	TOTAL NITRATE/NITRITE	0.27	0.27	mg/L	**0.0**	0-20		DUP	
	67943	TOTAL NITRATE/NITRITE	1.03	1.02	mg/L	**1.0**	0-20		DUP	
	68599	TOTAL NITRATE/NITRITE	0.15	0.16	mg/L	**6.5**	0-20		DUP	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

Reference Number: 19-35418
Report Date: 10/9/2019

Laboratory Fortified Matrix (MS)

Batch	Sample	Analyte	Result	Spike Result	Duplicate Spike Result	Spike Conc	Units	Percent Recovery MS	Percent Recovery MSD	Limits*	%RPD	Limits*	QC Qualifier	Type	Comments
350.1_191007															
	70315	AMMONIA	1.20	2.16	2.18	1.00	mg/L	**96**	**98**	70-130	**2.1**	0-20		LFM	
	70782	AMMONIA	0.16	1.15	1.15	1.00	mg/L	**99**	**99**	70-130	**0.0**	0-20		LFM	
	71279	AMMONIA	0.52	1.55	1.56	1.00	mg/L	**103**	**104**	70-130	**1.0**	0-20		LFM	
351.2_190925															
	67942	TOTAL KJELDAHL NITROGEN	0.53	2.23		2.00	mg/L	**85**		70-130	**NA**	0-20		LFM	
	68596	TOTAL KJELDAHL NITROGEN	ND	2.41		2.00	mg/L	**121**		70-130	**NA**	0-20		LFM	
NO3NO2_190919															
	66596	TOTAL NITRATE/NITRITE	0.26	1.31	1.29	1.00	mg/L	**105**	**103**	80-120	**1.9**	0-20		LFM	
	66604	TOTAL NITRATE/NITRITE	0.27	1.25	1.26	1.00	mg/L	**98**	**99**	80-120	**1.0**	0-20		LFM	
	67943	TOTAL NITRATE/NITRITE	1.03	2.05	2.06	1.00	mg/L	**102**	**103**	80-120	**1.0**	0-20		LFM	
	68599	TOTAL NITRATE/NITRITE	0.15	1.18	1.18	1.00	mg/L	**103**	**103**	80-120	**0.0**	0-20		LFM	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

Qualifier Definitions

Reference Number: 19-35418
Report Date: 10/09/19

Qualifier	Definition
BC	Indicates that the result was blank corrected.

Note: Some qualifier definitions found on this page may pertain to results or QC data which are not printed with this report.

Field Notes

Date Time 9/14/2019	Sample event # 1 : 8:18 Am : tide going in Sample event # 2 : 12:26 PM : tide going out
Weather Field Representative	#1 : Overcast, 60°, Caitlin & Amy #2 : Partly Cloudy, 65°, Caitlin & Ron
Location	Approximately 150' upstream & downstream of LSSD outfall into Ebey Slough
Description	0700 mobilize equipment to blue Subaru : dead battery. Mob. to Amy's car. Stop at plant for extra sample bottle - bottle un-available. Arrive at boat 0745, load gear in & set out for LSSD outfall. 0818 gather samples appx 150' North & 150' South of Outfall. Description of waters : lots of debris, partially sunk boats (6 of them). Saw 3 harbor seals. Stopped boat twice because of sticks in the propeller. Made it back to dock at 0915. Head back to office. 1130 mobilize back to dock. Arrive at dock at 12:00 & set out for LSSD outfall. 1225 arrive at sampling location & gather samples at approximately same locations. Place samples in cooler, head back to the dock. Arrive at dock at 1:00 & head back to office.

CHAIN OF CUSTODY / ANALYSIS REQUEST (PLEASE COMPLETE ALL APPLICABLE SHADED SECTIONS)

EDGE ANALYTICAL

Report To: Lake Stevens Sewer District	Billing Email: accountspayable@lkstevens sewer.org
Address: 1106 Vernon Road Ste A	Bill To: Lake Stevens Sewer District
City: Lake Stevens State: WA Zip: 98258	Address 1106 Vernon Road Ste A
Attn: Caitlin Hubbard	City: Lake Stevens State: WA Zip: 98258
Phone: 425-309-4085 Fax:	Phone: 425-334-8588 P.O.#:
Report Email: chubbard@lkstevenssewer.org	Card: VISA M/C Expires:
Project Name: Receiving Water Sampling	Card#:

FOR LAB USE

REF#

CHECK REGULATORY PROGRAM

- ☐ Safe Drinking Water Act
- ☐ Clean Water Act
- ☐ RCRA / CERCLA
- ☐ Other

Main Lab (800-755-9295)
1620 South Walnut St. Burlington, WA 98233
Microbiology (888-725-1212)
805 W. Orchard Dr. Suite 4 Bellingham, WA 98225
Portland Lab (503-682-7802)
9150 SW Pioneer Ct. Suite W Wilsonville, OR 97070
Corvallis Lab (541-753-4946)
540 SW 3rd St. Corvallis, OR 97333
Bend Lab (541-639-8425)
20332 Empire Ave. Suite F4 Bend, OR 97703

INSTRUCTIONS "PLEASE READ"

1. Use one line per sample location.
2. Be specific in test requests.
3. List each metal individually.
4. Check off analysis to be performed for each sample location.
5. Enter number of containers.

Turn Around Time Required

- ☒ Standard
- ☐ Half-Time (50% Surcharge)
- ☐ Quickest (100% Surcharge) Phone Call Req.
- ☐ Emergency (Phone Call Required)

Analysis Requested

	Sample ID	Location	Sample Matrix (See Below)	Grab or Composite	Date	Time	TOTAL INORGANIC NITROGEN							Number Of Containers	Special Instruction/ Conditions on Receipt
1	EBS-N1	Ebey Slough	W	G	9.4.19	0818	☒	☐	☐	☐	☐	☐	☐		
2	EBS-S1	" "	"	"	"	0818	☒	☐	☐	☐	☐	☐	☐		
3	EBS-N2	" "	"	"	"	1225	☒	☐	☐	☐	☐	☐	☐		
4	EBS-S2	" "	"	"	"	1225	☒	☐	☐	☐	☐	☐	☐		
5							☐	☐	☐	☐	☐	☐	☐		
6							☐	☐	☐	☐	☐	☐	☐		
7							☐	☐	☐	☐	☐	☐	☐		
8							☐	☐	☐	☐	☐	☐	☐		
9							☐	☐	☐	☐	☐	☐	☐		
10							☐	☐	☐	☐	☐	☐	☐		

Sampled By: Caitlin Hubbard **Phone:** 425-309-4085 **Fax:** **Email:** chubbard@lkstevenssewer.org 4 ◄ **Total Containers**

Sample Receipt requested (Must include FAX or Email) ☐

*** Sample Matrix**

W - Water **SW** - Surface Water **WW** - Wastewater **OL** - Oil
DW - Drinking Water **GW** - Ground Water **S** - Soil **Other**_____

Relinquished By	Date	Time	Received By	Date	Time
Caitlin Hubbard	9.13.19	12:25	KMS	9/13/19	1225

	Yes	No	N/A
Custody Seals Intact, wl	☐	☐	☒
Sample Temp 10.1 C Satisfactory	☒	☐	☐
Evidence Of Cooling	☒	☐	☐
Samples Received Intact	☒	☐	☐
Chain Of Custody & Labels Agree	☒	☐	☐