### Lake Stevens Sewer District

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



(425) 334-8588 · Fax (425) 335-5947 Web Address: lkstevenssewer.org

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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.

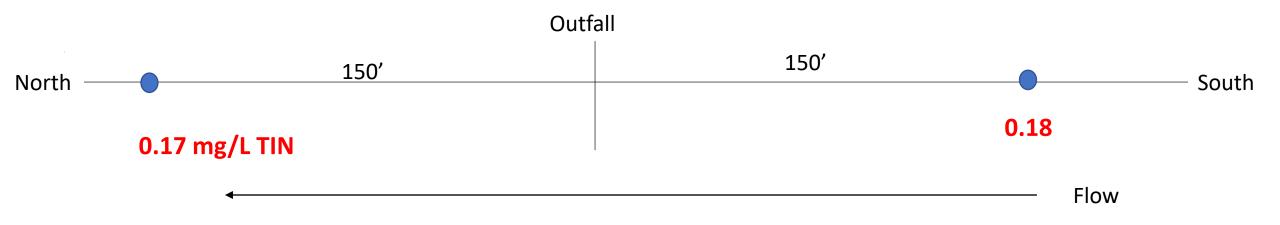
#### Results

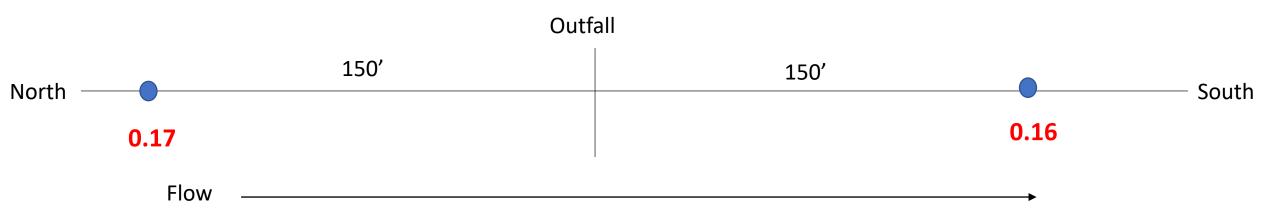
Time	Upstream TIN mg/L	Downstream TIN mg/L
Sept. 4, 2019		
8:18 AM	0.18	0.17
12:25 PM	0.17	0.16

### **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.

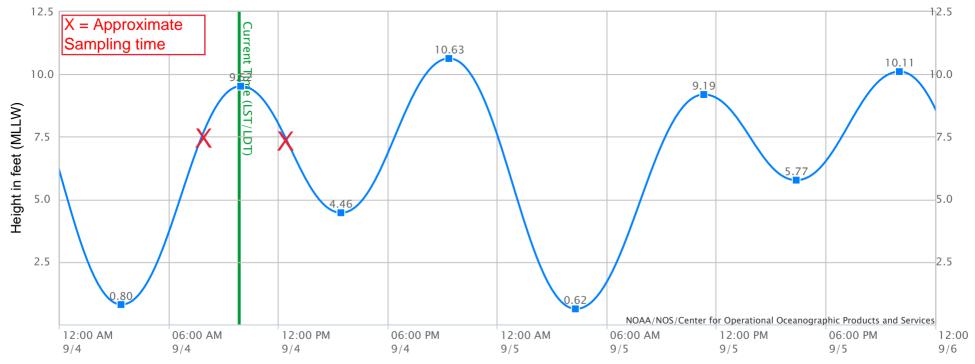
Waters of Ebey Slough flow north to the Qwuloolt Estuary, a project with goals of restoration of natural hydrologic processes and aims of sustaining salmon and wildlife. There may be some nutrient uptake by wetland plants in this area, and that could theoretically account for the waters flowing out having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







# 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 Page 1 of 1

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	<b>800.755.9295</b> • 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 Page 1 of 1

# **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

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

Page 1 of 2

## Data Report

Client Name: Lake Stevens Sewer District

**ANALYTICAL** 

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
Lab Number: 68563 Sample Comment: Matrix W Sample Date: 9/4/19 8:18 am
Collected By: Caitlin Hubbard

Lab	Number: 68563 Sample C	omment:							C	ollected	By: Caitlin F	lubbard
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyze	d Analys	t Batch	Comment
NA	TOTAL NITROGEN	0.41	1.0		mg/L	1.0	<sum></sum>	а	9/30/19	BSP	TN_190930	
7664-41-7	AMMONIA	0.05	0.01	0.007	mg/L	1.0	350.1	а	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	а	9/25/19	BSP	351.2_190925	
NA	TOTAL INORGANIC NITROGEN	0.17	0.01		mg/L	1.0	EDGE_TIN	а	10/9/19	BSP	TIN_191009	
E-10128	TOTAL NITRATE/NITRITE	0.12	0.010	0.004	mg/L	1.0	SM4500-NO3 F	а	9/19/19	BSP	NO3NO2_190919	

•	Sample Description: EBS-S1 Ebey Slough  Lab Number: 68564 Sample Comment: Matrix W Sample Date: 9/4/19 8:18 am  Collected By: Caitlin Hubbard											
CAS ID#	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></sum>	а	9/30/19	BSP	TN_190930	
7664-41-7	AMMONIA	0.05	0.01	0.007	mg/L	1.0	350.1	а	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	а	9/25/19	BSP	351.2_190925	
NA	TOTAL INORGANIC NITROGEN	0.18	0.01		mg/L	1.0	EDGE_TIN	а	10/9/19	BSP	TIN_191009	
E-10128	TOTAL NITRATE/NITRITE	0.13	0.010	0.004	mg/L	1.0	SM4500-NO3	Fa	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	Analyze	ed Analys	t Batch	Comment
NA	TOTAL NITROGEN	0.52	1.0		mg/L	1.0	<sum></sum>	а	9/30/19	BSP	TN_190930	
7664-41-7	AMMONIA	0.04	0.01	0.007	mg/L	1.0	350.1	а	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	а	9/25/19	BSP	351.2_190925	
NA	TOTAL INORGANIC NITROGEN	0.17	0.01		mg/L	1.0	EDGE_TIN	а	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.



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

# Data Report

•	Sample Description: EBS-S2 Ebey Slough  Lab Number: 68566 Sample Comment:  Collected By: Caitlin Hubbard											
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyze	ed Analyst	Batch	Comment
NA	TOTAL NITROGEN	0.12	1.0		mg/L	1.0	<sum></sum>	а	9/30/19	BSP	TN_190930	
7664-41-7	AMMONIA	0.04	0.01	0.007	mg/L	1.0	350.1	а	10/7/19	BSP	350.1_191007	
E-10264	TOTAL KJELDAHL NITROGEN	ND BC	0.20	0.0047	mg/L	1.0	351.2	а	9/25/19	BSP	351.2_190925	
NA	TOTAL INORGANIC NITROGEN	0.16	0.01		mg/L	1.0	EDGE_TIN	а	10/9/19	BSP	TIN_191009	
E-10128	TOTAL NITRATE/NITRITE	0.12	0.010	0.004	mg/L	1.0	SM4500-NO3	Fa	9/19/19	BSP	NO3NO2_190919	

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.





**Calibration Check** 

Reference Number: 19-35418

Report Date: 10/09/19

			True			%		QC QC	
Batch	Analyte	Result	Value	Units	Method	Recover	y Limits*	Qualifier 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.





Laboratory Fortified Blank

Reference Number: 19-35418

Report Date: 10/09/19

			True			%	QC QC	
Batch	Analyte	Result	Value	Units	Method	Recovery Limit	s* Qualifier Type	Comment
351.2 190925	n TOTAL KJELDAHI NITROGEN	2 10	2 00	ma/l	351.2	105 90-11	0 LFB	_

\*Notation:

% Recovery = (Result of Analysis)/(True Value) \* 100 NA = Indicates % Recovery could not be calculated.





Laboratory Reagent Blank

Reference Number: 19-35418

Report Date: 10/09/19

			True			%	QC QC	
Batch	Analyte	Result	Value	Units	Method	Recovery Limits*	Qualifier Type	Comment
350.1_191007	0 AMMONIA	ND		mg/L	350.1	0-0	LRB	
351.2 190925	0 TOTAL KJELDAHL NITROGEN	ND		ma/L	351.2	0-0	LRB	

\*Notation:

% Recovery = (Result of Analysis)/(True Value) \* 100 NA = Indicates % Recovery could not be calculated.





Method Blank

Reference Number: 19-35418

Report Date: 10/09/19

			True			%	QC QC	
Batch	Analyte	Result	Value	Units	Method	Recovery Limits*	Qualifier 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.





**Quality Control Sample** 

Reference Number: 19-35418

Report Date: 10/09/19

			True	True		%		QC QC	
Batch	Analyte	Result	Value	Units	Method	Recovery	/ Limits*	Qualifier Type	e Comment
<b>350.1_191007</b>	AMMONIA	4.15	4.00	mg/L	350.1	104	85-115	QCS	3
351.2_190925	TOTAL KJELDAHL NITROGEN	2.67	2.78	mg/L	351.2	96	85-115	QCS	3
NO3NO2_190915	1.00	1.00	mg/L	SM4500-NO3 F	100	90-110	QCS	3	

\*Notation:

% Recovery = (Result of Analysis)/(True Value) \* 100 NA = Indicates % Recovery could not be calculated.



Reference Number: 19-35418

Report Date: 10/9/2019

Page 1 of 2

# SAMPLE DEPENDENT QUALITY CONTROL REPORT

### Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

			Duplicate				QC
Batch	Sample Analyte	Result	Result	Units	%RPD	Limits	Qualifier Type Comments
Duplicat	e						
350.1_19100							
	70315 AMMONIA	1.20	1.19	mg/L	8.0	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_19092	5						
	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_19	0919						
	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

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

<sup>%</sup>RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated



Page 2 of 2

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

Duplicate

			Spike	Spike	Spike		Percer	Percent Recovery						QC		
Batch	Sample Analyte	Result	Result	Result	Conc	Units	MS	MSD	Limits*	%RPD	Limits*	Qualifier	Туре	Comments		
Labora	atory Fortified Matrix (MS)															
350.1_19 <sup>-</sup>	1007															
	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_19	0925															
	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			

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.

NA = Indicates %RPD could not be calculated



Page 1 of 1

## **Qualifier Definitions**

Reference Number: 19-35418

Report Date: 10/09/19

Qualifier	Definition
ВС	Indicates that the result was blank corrected.

### Field Notes

Date Time	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 mobitize equipment to blue Subarn: clead battery. Mob. to Amy's ear. Stop at plant for extra sample bottle-bottle un-available. Arrive at boat 0745, load gear in + set out for L3SD out fall. 0818 gather samples appx 150' North & 150' south of Outfall. Description of waters: lots of debris, partially sunk boats (60 of rhem). Saw 3 harbor seals. Stopped boat twice because of sticks in the propeller. Hade it back to dock at 0915. Head back to office. 1130 mobilize back to clock. 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.

C	HAIN OF CU	STODY /	ANA	LYSIS	REQ	UEST	(PLEASI	COMPLE	TE ALL A	DDI IOA	D! = 0			CI	~		PAGE	<i>f</i>	,
	Late siever	15 Jewer	Distri	ct Billi	ng Emai	accoun	ts Dalla	blopik	stouges	PPLICA		AB USE	ions)	EDGE PAGE OF					
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Cit	y: Lake Stevens	58 Add	Address 1106 Vernon Road Ste A							ATORY PRO	20244	Main Lab (800-755-9295) 1620 South Walnut St. Burlington, WA 98233							
	n: Caitlin Hu				City: Lake Stevens State:WA Zip: 98258							ng Water A		Microbiology (888-725-1212)					
Ph	one: 425-309-40	85 Fax:			Phone: 425-334-8588P.O.#:							er Act		805 W. Orchard Dr. Suite 4 Bellingham, WA 98225  Portland Lab (503-682-7802)  9150 SW Pioneer Ct. Suite W Wilsonville, OR 97070					
Re	port Email: Chubba	rdelksteve	nssewer	Care	Card: VISA M/C Expires:							RCLA		8120.2	Corva	llis I a	h /541-752	40461	97070
	oject Name: Receir				d#:					11	Other				540 SW	3" St.	Corvallis, O	R 97333	
				<u> </u>										Bend Lab (541-639-8425) 20332 Empire Ave. Suite F4 Bend, OR 97703					
1.	STRUCTIONS "P Use one line per san	nole location		Tuen Arou	nd Time	Required					Analys	sis Req	ueste	d					
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					dard Fime (50° est (100° gency (P	% Surcharge) % Surcharge) hone Call Re	Phone Call	Req.	ORGANIC TROGEN							er Of Containers			
	Sample ID	Loc	ation	_(See	Sample Matrix or Composite Date Time				PZZ							Number	Speci	al Instruc	tion/
1	E85-N1		ugh	V	J	9	9419	0818	X		$\top \Box$				_	-	Conditi	ions on R	eceipt
2	EBS-51	# "			11	11	11	0818	K							-			
3	EBS-N2	31 /1		'		P	н	1225	X									1	
5	EB3-52	, ·	1		1	P.	"	1225	X										
6																			
7		-		-															
8																			
9				+															
10				-															
San	npled By: Caitli	n Hubbar	d	Pho	ne: 47	15.200.1	سهو ۱۸	Faur											
	e Receipt requested (Mus	* Sar	Phone: 425-309-4085 Fax: * Sample Matrix W - Water SW - Surface Water WW - Wastew					water O	N - Oil	Email: e	hubbai	er. Erg   4 Total Containers					rs		
				DW -	DW - Drinking Water GW - Ground Water S - Soil						water OL - Oil Other				Yes No N/A				
D. "												Custody Seals Intact, WI							
Kelin	quished By	08	Date	Time	Receive	ed By			D	ate	Time Sample Temp 10. C Satisfactory								
Co	Eltlen Hubbo	rec	9-13-19	12:25			1	lus	9/1	218							Ø	ᆌᆔ	
												Samples	Received	Intact					
	14													Chain Of	Custody &	Label	s Agree	应门	