281 N Main St., STE # 101
Wasilla AK, 99654
907-373-6130

Alaska Laboratory# AK01000

Client	ADEC Nonpoint Source Pollution Program
Contact	Sarah Apsens, Laura Eldred
Project Name	SOA Bristol Bay Pathogens 2022 - Sampling 3
AWL #	AWL-22-02073
PWS #	None

Please direct any questions regarding the final report to Mary@AKWaterLabs.com or Matt@AKWaterLabs.com, or call 907-373-6130.

The results presented in this report meet the requirement of the laboratory's certifications and internal QC processes. Any exceptions will be noted in the case narratives attached. Subcontract Data has been entered into the AWL Final Report, however the full subcontract report is available upon request.

The attached should contain analytical results for the analyses submitted on the client chain of custody. The information includes no opinions of the analysts or labs, data is represented after meeting certified testing requirements, and quality control measures.

Reproduction of the report in full requires the written approval of the laboratory.

Mary Curry Digitally signed by Mary Curry
Date: 2022.06.30 14:05:27 -08'00'

Signature of Laboratory Management Date

Alaska Water Laboratories

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Alaska Laboratory# AK01000

Client Project Name	SOA Bristol Bay Pathogens 2022 - Sampling 3	AWL #	AWL-22-02073
Receipt Date and Time	6/28/2022 17:30	Due Date	6/30/2022
Cooler/Sample Temp (C)	4.34	Sampler Initials	BM

Sample Receipt Comments Sample received by MJG on 6/28/2022 at 4.34C (RT#1), on frozen ice.

Samples Received

Microbiological

Sample Location	AWL ID	Collection Date/ Time	Analysis Date/Time	Analysis	Notes
Snag Point-062822-001	AWL-22-02073-001	6/28/2022 12:00	6/28/2022 18:29	Fecal Coliform	AWL-00309
Snag Point-062822-002	AWL-22-02073-002	6/28/2022 12:00	6/28/2022 18:20	Entero	AWL-00320

Analytical Methods

Analyte	Method	Comments
Fecal Coliform	SM9222D MF	10mL plates showed moderate to heavy sediment masking. Results may be biased low due to masking. MCC 6-30-22
Enterococci	ASTM D6503	

Log In Initials: MCC 6-29-22
DQO Initials: JKR 6-29-22

Cert Required AK DW
CMDP #

Comments: MST samples logged under AWL-22-02075 due to extended TAT. MCC 6-29-22

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Definitions:	
DUP	Sample Duplicate
LCS/LCSD	Laboratory Control Sample/Laboratory Control Sample Duplicate
MRL	Method Reporting Limit
MB	Method Blank
MCL	Maximum Contaminant Level
MDL	Method Detection Limit
MS/MSD	Matrix Spike/Matrix Spike Duplicate
N/A	Not Applicable
TNTC	Count is Too Numerous To Count
<MDL	Result recovery is below the detectable laboratory limit, listed as the MDL

Data Qualifiers:	
B	The result of both the method blank and the target sample are above the MDL.
D	Sample analysis accomplished through dilution.
J	The reported result is an estimated value above the LOD but below the LOQ, or above the MDL but below the PQL.
U	Result is below the MDL, PQL, LOD, or LOQ
*	LCS/LCSD or Sample DUP fails all Duplicate criteria.
H	Holding time exceeded
E	Exceeds MCL
Q	One or more quality control criteria failed.

General Comments:	
1.0)	Basis: “As Received” = analyzed as received from client; “Dry” = dried prior to being analyzed; “Dry Weight Corrected” = analyzed as received; result corrected for percent moisture.

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Client	ADEC Nonpoint Source Pollution Program		
Contact	Sarah Apsens, Laura Eldred		
Project	SOA Bristol Bay Pathogens 2022 - Sampling 3	**Collection**	
DW Y/N	N	Date / time	6/28/2022 12:00
PWS#	None		
		AWL Batch ID:	062822-02-FC
AWL #	AWL-22-02073		
Sample Location	Snag Point-062822-001		
AWL ID/ Fraction	AWL-22-02073-001	Matrix AQ	

Analyte	Result	Units	MDL	MCL	Flags	DF	Method	Analyst	Date/Time	Notes
Fecal Coliform	40	CFU/100mL	10			10	SM9222D MF	MJG	6/28/2022 18:29	HSM

Analyst Batching initials/date	MCC 6-30-22
Analyst Reviewer initials/date	AKS 6-30-22

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Client	ADEC Nonpoint Source Pollution Program		
Contact	Sarah Apsens, Laura Eldred		
Project	SOA Bristol Bay Pathogens 2022 - Sampling 3	**Collection**	
DW Y/N	N	Date / time	6/28/2022 12:00
PWS#	None		
		AWL Batch ID:	062822-01-ENT
AWL #	AWL-22-02073		
Sample Location	Snag Point-062822-002		
AWL ID/ Fraction	AWL-22-02073-002	Matrix AQ	

Analyte	Result	Units	MDL	MCL	Flags	DF	Method	Analyst	Date/Time	Notes
Enterococci	105.2	MPN/100mL	0.99			0.99	ASTMD-6503-99	MCC	6/28/2022 18:20	

Analyst Batching initials/date MCC 6-30-22

Analyst Reviewer initials/date AKS 6-30-22

AWL Chain of Custody

Custody form MUST be signed
Please provide as much information as possible

Alaska Water Laboratories

Alaska Water Laboratories

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AWL-22- 02073

907-373-6130

Client/Company Name & Address: ADEC - Nonpoint Source Pollution Porgram	**Public Water System (PWS) ID:**	**AWL Staff**
	Project Name/ID : SOA Bristol Bay Pathogens - 2022	**Quote Number** AWL #
	Snag Point 6/28/2022 - Sampling 3 2022	
	Turnaround Time (TAT) for Results	**Account #:** Check Credit
Contact Person: **Sarah Apsens, Laura Eldred**	___ Standard X Expedited (prior authorization required) *Specify Requested Due Date if not standard	**Invoice Contact Name & Address & Phone:**
Phone No:		
Fax No:	**Requested Date for Results:**	Email notification within 36 hours
E-mail:	**Results to STATE:** Yes No	**Routine Non-Routine**

Special Instructions/Requirements:
*** x VOL container for FC and Entero taken - only used if sample container is broken**
MST logged under AWL-22-02075

Specify if REPEAT sample

PO/Contract No.:

Kit Preparation/Shipping Charge:

Requested Analysis/Method

	Client Sample Identification (Name, Designation, Location, etc.)	Date Sampled	Time Sampled	Matrix (DW, WW, SO)	No. of Containers	Cl Residual	Fecal Coliform SM 9222D Preservative Lot# AWL-003071	Enterococci ASTM Preservative Lot# AWL-003220	MST - Filter and Freeze Preservative Lot# AWL-003310	Preservative Lot#	Preservative Lot#	Preservative Lot#	State Pt. Sampling ID	Facility ID	Trigger/ Repeat/ Special
1	Snag Point-062822-001	6/28/2022	1200		2		x								
2	Snag Point-062822-002	6/28/2022	1200		2			x							
3	Snag Point-062822-003	6/28/2022	1200		2				x						
4															
5															
6															
7															
8															
9															
10															

Relinquished by:	Date	Time	Received by:	Date	Time
Ben Mat	6-28-22	1730	MSC	6/28/22	17:30
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

Name of Sampler: (printed) Ben Matlock

Section To Be Completed by AWL

Custody Seal (circle): Intact Broken Absent

Temperature on arrival: 4.34 c °C

Thermo ID IRT

Recv Notes:

Temp TB Cooler

Ice Frozen Wet

Delivery Method (Circle) Courier USPS/Mail Hand

Version 0.1 12/21

Alaska Water Laboratories

Bristol Bay Pathogen Testing Program
Sanitary Survey

SITE

Name of Beach	Snag Point		
Beach Code	Snag	**Date of sampling**	6-28-22
Latitude N	59°02.262	**Longitude**	158° 27.646

SAMPLES

Sample ID (FC)	Snag-062822-001	Collected Date/Time	6-28-22 / 1200
Sample ID (Entero)	Snag-062822-002	Collected Date/Time	6-28-22 / 1200
Sample ID (MST)	Snag-062822-003	Collected Date/Time	6-28-22 / 1200
Replicate ID		Collected Date/Time	
Field Blank ID		Collected Date/Time	

CONDITIONS

Weather Conditions		Water Conditions
Sunny and Clear	**Air Temp** 15.5 C	
	Wind Direction SE	Clear
Cloudy/Overcast	**Wind Speed (MPH)** 3.4	Cloudy/Murky
Rain	**Precipitation in last 24 hrs.** 0 in	Oily Film
Fog	Notes: Cloudy, little to no breeze	Other: 5" visibility into water

Potential Pollution Sources

Activity on Beach	
Water Fowl Lots of seagulls at this location. All diving/eating all the fish parts in water.	Adults: 0 Children: 0 Dogs: 0 Other: ____ Type Seagulls Estimated Number 30 Other Sources: Set nets, Boats at shipping dock, Fish plant has started discharges into ocean. Several small fish peices in water floating.

2 boats visable from sample location. 1 of them was loading in shipping yard.

Beach and Tidal Conditions

Beach Condition: On Shore Debris? Setnet Ropes In Water Debris? Fish Chunks
On Shore Vegetation (Est %) 5% In Water Vegetation (%) 1%
Odors: Y / N Stormwater Pipes: Y / N Fish Processing: Y / N

Strong smell of fish processing

Tidal Conditions: Low / High Flooding / Ebbing
Tide Height: ____ ft/m
Time of observation: 1200 am/pm

Probe and Onsite Values

Water Temperature: 13.8 C/F Air Temperature: 15.5 C/F
pH: 8.8
Turbidity (Visible): 5" Visability

OTHER COMMENTS OR OBSERVATIONS OF SITE: Tide was coming in, lots of small fish parts in water. Visability in water was low. I had to walk about 80 feet from shore to collect sample.

Signature of Surveyor: [signature] **Date/Time** 6-28-22 1525