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-22-02074
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 14:11:34 -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-22-02074
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 MCC 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
Kanak-062822-001	AWL-22-02074-001	6/28/2022 13:00	6/28/2022 18:29	Fecal Coliform	AWL-00322
Kanak-062822-002	AWL-22-02074-002	6/28/2022 13:00	6/28/2022 18:20	Entero	AWL-00302

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.
Enterococci	ASTM D6503	

Cert Required AK DW
CMDP #

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

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 13:00
PWS#	None		
		AWL Batch ID:	062822-02-FC
AWL #	AWL-22-02074		
Sample Location	Kanak-062822-001		
AWL ID/ Fraction	AWL-22-02074-001	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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Alaska Laboratory# AK01000

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 13:00
PWS#	None		
		AWL Batch ID:	062822-01-ENT
AWL #	AWL-22-02074		
Sample Location	Kanak-062822-002		
AWL ID/ Fraction	AWL-22-02074-002	Matrix AQ	

Analyte	Result	Units	MDL	MCL	Flags	DF	Method	Analyst	Date/Time	Notes
Enterococci	101	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

AWL-22- 02074
907-373-6150

Client/Company Name & Address:
ADEC - Nonpoint Source Pollution Porgram

Contact Person: **Sarah Apsens, Laura Eldred**
Phone No:
Fax No:
E-mail:

Public Water System (PWS) ID:
Project Name/ID : SOA Bristol Bay Pathogens - 2022
Kanakanak Beach 6/28/2022 - Sampling 3

Turnaround Time (TAT) for Results

___ Standard X Expedited (prior authorization required)
*Specify Requested Due Date if not standard

Requested Date for Results: Email notification within 36 hours
Results to STATE: Yes No
Routine Non-Routine
Specify if REPEAT sample

AWL Staff
Quote Number **AWL #**
Account #: **Check** **Credit**
Invoice Contact Name & Address & Phone:
PO/Contract No.:

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

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-003322	Enterococci ASTM Preservative Lot# AWL-003072	MST - Filter and Freeze Preservative Lot# AWL-003201	Preservative Lot#	Preservative Lot#	Preservative Lot#	State Pt. Sampling ID	Facility ID	Trigger/ Repeat/ Special
1	Kanak-062822-001	6/28/2022	1300		2		x								
2	Kanak-062822-002	6/28/2022	1300		2			x							
3	Kanak-062822-003	6/28/2022	1300		2				x						
4															
5															
6															
7															
8															
9															
10															

Relinquished by:	Date	Time	Received by:	Date	Time
Ben Matlock	6-28-22	1730	MCC	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
Thermo ID RT4
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	Kanakanak		
Beach Code	Kanak	**Date of sampling**	6-28-22
Latitude N	59°00.221	**Longitude**	158°32.001

SAMPLES

Sample ID (FC)	Kanak-062822-001	Collected Date/Time	6/28/22 1300
Sample ID (Entero)	Kanak-062822-002	Collected Date/Time	6-28-22 1300
Sample ID (MST)	Kanak-062822-003	Collected Date/Time	6-28-22 1300
Replicate ID		Collected Date/Time	
Field Blank ID		Collected Date/Time	

CONDITIONS

Weather Conditions	**Air Temp** 15.4 C	**Water Conditions**
Sunny and Clear	**Wind Direction** SSE	Clear
Cloudy/Overcast	**Wind Speed (MPH)** 3	Cloudy/Murky
Rain	**Precipitation in last 24 hrs.** 0 in	Oily Film
Fog	Notes: Little to no wind	Other: 4" visibility

Potential Pollution Sources

Activity on Beach	Adults: 2 Children: 0 Dogs: 0 Other:
Water Fowl No birds seen from sample location while there	Type Seagulls Estimated Number 0 Other Sources: No birds, 10 trucks with boat trailers parked on road to sample site. Stream was flowing into Ocean just next to (BMA) to where sample was collected.

Beach and Tidal Conditions

Beach Condition: On Shore Debris? Set net Ropes In Water Debris? No fish chunks but there was a whole dead fish that floated by.
On Shore Vegetation (Est %) 3% In Water Vegetation (%) 0%
Odors: Y / (N) Stormwater Pipes: Y / (N) Fish Processing: Y / (N)

Tidal Conditions: (Low) / High (Flooding) / Ebbing
Tide Height: _____ ft/m
Time of observation: 1300 am/(pm)

Probe and Onsite Values

Water Temperature: 15 (C)/F Air Temperature: 15.4 (C)/F
pH: 7.5
Turbidity (Visible): 4" visibility in water.

OTHER COMMENTS OR OBSERVATIONS OF SITE: 2 adults were launching boat about 300 feet south of sample location. Seems to be several boats launched from sample location today. No birds. Some bubbles in water but water was not really "filmy".

Signature of Surveyor: [signature] **Date/Time** 1545