

2018 Kenai River BEACH Monitoring - PRELIMINARY RESULTS
Analytical Data Results

Sample Date	KRG2		KRG1		SKB		BRG1		NKB	
	FC	Entero	FC	Entero	FC	Entero	FC	Entero	FC	Entero
14-Jun	130	23	230	31	6,100 ¹	860 ¹	990	2	[310,(420)] ¹	[1,100,(640)] ¹
29-Jun	NA	2	3	ND	275 ¹	154 ¹	15	NA	8 (18) ¹	6 (4) ¹
3-Jul	147	10	91	1	200(100)	15 (15)	1	ND	88	11
13-Jul	26	50	54	15	1,010	1,990	43	19	36(42)	21(38)
18-Jul	2	13	52	11	18(10)	67(8)	12	ND	ND	5
25-26-Jul	NT	NT	NT	NT	241 AV	200 AV	NT	NT	121 AV	89 AV
2-Aug	82	37	50	15	22(32)	82(130)	8	1	56	75
10-Aug	60	47	50	23	820	816	56	5	27(54)	73(67)
15-Aug	12	12	80	50	32(12)	39(55)	5	2	8	61
24-Aug	108	32	35	1	280	173	56	4	58(86)	44(24)
29-Aug	28	34	72	66	48(37)	81(84)	12	2	25	29
7-Sep	NT	NT	NT	NT	58(52)	41(45)	32	17	40	21

18 AAC 70 Alaska Water Quality Standards (amended as of April 6, 2018) - (14) Bacteria, For Marine Water Uses

(B) Water Recreation (i) contact recreation	In a 30-day period, the geometric mean of samples may not exceed 35 enterococci CFU/100 ml, and not more than 10% of the samples may exceed a STV of 130 enterococci CFU/100 ml.
(B) Water Recreation (ii) secondary recreation	In a 30-day period, the geometric mean of samples may not exceed 200 fecal coliform/100 ml, and not more than 10% of the samples may exceed 400 fecal coliform/100 ml.
D) Harvesting for Consumption of Raw Mollusks or Other Raw Seafood	The geometric mean of samples may not exceed 14 fecal coliform/100 ml; and not more than 10% of the samples may exceed: 31 CFU per 100 ml for a membrane filtration test.

Sampling Location Legend:

KRG2 - Downstream of Kenai River Gull Rookery
KRG1 - Upstream of Kenai River Gull Rookery
SKB - South Kenai River Beach
BRG1 - Warren Ames Memorial Bridge
NKB - North Kenai River Beach

Tides focus is on either side of low tide, using ebb and flow stages

FC = fecal coliform bacteria
Entero = enterococci
() = shows duplicate results
[] = shows alternating monitoring locations;
CFU = colony forming units
MPN = most probable number
STV = statistical threshold value
ND = none detected or levels below detection
NA = sample was received by laboratory, but not analyzed
NT = not sampled
AV= Average of multiple samples

¹ Minor location change in beach sampling sites. This site was used in the first sampling events, but was not used after 7/2/2018.