

2020 Ketchikan BEACH Monitoring - Analytical Data Results

Sample Date	Knudson Cove		S Pt Higgins		Shull		Sunset		S Refuge Cove		Thomas Basin		Seaport		Rotary Pool		Rotary Beach		Point Cultural		Point Surprise		Herring Cove	
	FC	Entero	FC	Entero	FC	Entero	FC	Entero	FC	Entero	FC	Entero	FC	Entero	FC	Entero	FC	Entero	FC	Entero	FC	Entero	FC	Entero
21-May	12	30	53	51	8	10	18	94	5	<10	30	31	48	10	9	20	26	10	4	<10	4	40	65	10
27-May	7	10	8	10	24	<10	31	83	<1	<10	16	10	5	<10	5	<10	6	<10	10	<10	11	<10	33	<10
3-Jun	8	<10	109	160	51	10	23	30	24	20	30	10	11	<10	144	617	17	20	4	<10	22	10	32	30
9-Jun	5	<10	16	74	20	<10	21	231	4	<10	23	52	<10	10	97	171	4	<10	6	10	5	10	32	63
17-Jun	39	<10	32	332	46	20	8	10	3(5)	10	33	<10	6	<10	20	10	12	<10	7	<10	19	<10	26	<10
22-Jun	70	10	343	20	2001 (CG)	96	12	20	9	20	96	106	5	20	88	3448	17	192	21	10	16	20	39	30
3-Jul	5	<10	122	75	4	<10	41	<10	30	<10	28	<10	6	<10	2001 (CG)	30	18	20	22	41	16	41	46	<10
6-Jul	3	<10	34	<10	12	10	18	20	33	41	21	20	7	<10	4 (CG)	41	23	<10	28	<10	35	10	82	<10
13-Jul	23	20	<1	<10	3	<10	7	10	6	10	168	41	10	10	2	<10	8	<10	12	10	2	10	15	<10
22-Jul	31	31	437	2235	18	<10	68	20	9	10	19	<10	15	10	75	31	18	<10	82	121	24	<10	101	20
27-Jul	77	10	14	<10	14	20	20	10	6	<10	55	52	16	<10	507	51	20	10	12	10	4	<10	13	10
4-Aug	12	<10	62	92	194	40	210	41	16	<10	324	620	152	155	436	323	58	52	124	109	106	41	464	706
11-Aug	8	<10	6	<10	8	<10	12	<10	<2	<10	26	10	10	<10	14	<10	4	<10	406	85	42	<10	136	30
18-Aug	202	97	154	63	224	160	300	10	42	31	190	241	36	10	132	31	60	<10	162	119	52	41	250	246
25-Aug	31	10	8	<10	64	<10	14	10	9	<10	166	41	8	10	59	10	6	<10	85	20	26	<10	239	41
1-Sep	90	10	56	<10	122	10	40	<10	44	<10	260	63	12	31	110	30	46	30	26	31	28	<10	194	134
9-Sep	188	52	74	10	78	30	<2	10	10	20	42	<10	4	20	12	213	10	<10	112	31	18	10	22	10
17-Sep	18	<10	18	10	32	<10	24	<10	28	20	166	20	6	<10	10	20	14	10	114	144	28	10	434	350

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 Aquatic Life (most stringent)	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.	
Tides focus is on either side of low tide, using ebb and flow.	STV - statistical threshold value	CG - Confluent Growth
FC = fecal coliform bacteria	CFU - colony forming units	
Entero = enterococci	MPN - most probable number	