

NOTES: Non-random? Mistakes? Anything Unusual ? (Please write **WELL Number** in front of comment)

10 Crab from haul 40 (BB-21) bled to make
up for defect from haul 41 (BB-22)

If a cap pops off: put cap back on, rinse plate with fresh water and blot dry

If you see a positive King Crab, please take a photo, blood sample (use a collection plate well) & 3 Blood Smears.

KEYS:

Spp (species): CO = <i>C. opilio</i> CB = <i>C. bairdi</i> (or write out "opilio"; "bairdi")	Sex: 1 = Male 2 = Female 3 = Unknown	Size: Carapace Width in mm (tenths)	Shell Condition: 0 = Premolt/Molt 1 = Soft Shell 2 = New Shell 3 = Old Shell 4 = Very Old Shell 5 = Graveyard	Bio (Biometrics): MALE: Chela Height in mm (tenths); FEMALE: Clutch (use standard color, condition & fullness codes)	Mat (maturity): M or v = Mature crab (indicate when sampling in sites 1 & 4)	BCS+: P = Visually Positive N = Visually Negative
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2019 EBS & NBS Chionoecetes Index Site Hemolymph Collections - Kodiak / Pathobiology

Plate Number: 30
 Collected By: Erin + Myra

Vessel: 162
 Leg: 4

Keys & Comments on back



Well:	Haul #	Spp	Sex	Size	Shell	Bio	Mat	BCS+
A1	31	C.O.	2	32.99	2	000	I	-
B1				32.08				-
C1				36.00				-
D1				32.69				-
E1				34.57				-
F1				36.86				-
G1				33.10				-
H1				34.83				-
A2				33.50				-
B2				32.26				-
C2				33.73				-
D2	34	C.O.	2	46.98	2	000	I	-
E2				61.33				-
F2				41.85				+
G2				35.12				-
H2				37.09				-
A3				57.99				-
B3				37.89				-
C3				34.72				-
D3	DO NOT TAKE SAMPLE - CONTROL WELL							
E3				36.33				-
F3				30.86				-
G3				47.26				-
H3				33.50				-
A4				38.35				-
B4				41.58				-
C4				38.60				-
D4				43.23				-
E4				42.70				+
F4				39.32				-
G4				55.24				-
H4				59.85				-
A5	33	C.O.	2	45.34	2	000	I	-
B5				36.83				-
C5				40.47				-
D5				32.10				-
E5				32.05				-
F5				35.11				-
G5	DO NOT TAKE SAMPLE - CONTROL WELL							
H5				37.37				-
A6				31.35				-
B6				44.26				-
C6				34.67				-
D6				33.98				-
E6				39.22				+
F6				34.96				-
G6				34.32				-
H6				32.02				-

Well:	Haul #	Spp	Sex	Size	Shell	Bio	Mat	BCS+
A7	33	C.O.	2	33.65	2	000	I	-
B7				33.35				-
C7				32.64				-
D7				33.80				-
E7				40.59				+
F7	35	C.O.	2	49.51	2	000	F	+
G7				41.31				-
H7				54.0				+
A8				43.91				-
B8				37.49				-
C8				33.10				-
D8				43.39				-
E8				16.16				+
F8	DO NOT TAKE SAMPLE - CONTROL WELL							
G8				42.4				-
H8				43.67				-
A9				35.47				-
B9				34.17				-
C9				52.78				+
D9				45.71				+
E9				36.52				-
F9				36.81				-
G9				35.67				-
H9				38.81				-
A10				47.75				-
B10	DO NOT TAKE SAMPLE - CONTROL WELL							
C10				36.5				-
D10	28	C.O.	2	43.79		000	I	-
E10				41.88				-
F10				46.52				-
G10				35.81				-
H10				38.16				-
A11				38.16				-
B11				32.86				-
C11				37.76				-
D11				32.84				-
E11				47.87				-
F11				39.26				-
G11				43.88				-
H11				57.32				-
A12	DO NOT TAKE SAMPLE - CONTROL WELL							
B12				39.16				-
C12				42.98				+
D12				34.38				-
E12				35.56				-
F12				44.07				-
G12				40.36				-
H12				37.15				-

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2019 EBS & NBS *Chionoecetes* Index Site Hemolymph Collections - Kodiak / Pathobiology

Plate Number: 29

Vessel: 162

Keys & Comments on back 

Collected By: Leda & Jan / Erin

Leg: 3/4

Well:	Haul #	Spp	Sex	Size	Shell	Bio	Mat	BCS+
A1	192	CO	1	78.93	2	16.97	I	-
B1	192	CO	1	81.22	2	14.94	I	-
C1	193	CO	1	80.30	2	12.66	I	-
D1		CO	1	59.71	2	9.61	I	-
E1		CO	1	86.25	2	14.77	I	-
F1		CO	1	63.01	2	13.04	I	-
G1		CO	1	88.97	2	20.32	I	-
H1		CO	1	73.78	2	15.57	I	-
A2		CO	1	80.28	2	13.14	I	-
B2		CO	1	56.10	2	10.69	I	-
C2		CO	1	72.07	2	11.57	I	-
D2		CO	1	74.89	2	14.94	I	-
E2		CO	2	68.64	2	000	I	-
F2		CO	2	61.52	2	000	I	-
G2		CO	2	59.06	2	000	I	-
H2		CO	2	58.79	2	000	I	-
A3		CO	2	57.05	2	000	I	-
B3		CO	1	70.51	2	11.17	I	-
C3		CO	1	66.70	2	10.47	I	-
D3	DO NOT TAKE SAMPLE - CONTROL WELL							
E3		CO	1	69.07	2	14.05	I	-
F3		CO	2	56.13	2	000	I	-
G3		CO	1	92.00	2	21.34	I	-
H3	194	CO	1	77.80	2	14.59	I	-
A4		CO	1	75.86	2	14.01	I	-
B4		CO	1	97.00	2	16.05	I	-
C4	194	CO	1	62.55	2	11.61	+	-
D4	194	CO	1	86.19	2	16.12	I	-
E4	194	CO	1	85.88	2	15.82	I	-
F4	194	CO	1	69.14	2	10.89	I	-
G4		CO	1	66.76	2	10.33	I	-
H4		CO	1	77.14	2	13.52	I	-
A5		CO	1	77.18	2	12.69	I	-
B5		CO	1	75.42	2	16.96	I	-
C5		CO		92.02	2	14.72	I	-
D5		CO		73.14	2	11.43	I	-
E5		CO	1	62.18	2	13.04	I	-
F5		CO	1	58.99	2	12.53	I	-
G5	DO NOT TAKE SAMPLE - CONTROL WELL							
H5		CO	1	80.82	2	18.32	I	-
A6		CO	1	80.67	2	12.52	I	-
B6		CO	1	77.38	2	14.21	I	-
C6		CO	1	83.79	2	15.29	I	-
D6	19	CO	2	31.81	2	000	I	-
E6				35.37				-
F6				36.56				-
G6				34.24				-
H6				34.40				-

Well:	Haul #	Spp	Sex	Size	Shell	Bio	Mat	BCS+
A7	19	CO	2	33.39	2	000	I	-
B7				38.59				-
C7				36.14				-
D7				35.24				-
E7				36.14				-
F7				36.29				-
G7				34.88				-
H7				36.90				-
A8				35.92				-
B8				38.50				-
C8				36.76				-
D8				34.70				-
E8				33.62				-
F8	DO NOT TAKE SAMPLE - CONTROL WELL							
G8				35.48				-
H8				38.38				-
A9	20	C.O.	2	41.32	2	000	I	-
B9				48.97				+
C9				44.85				-
D9				37.69				-
E9				35.80				-
F9				33.55				-
G9				38.10				-
H9				37.96				-
A10				37.99				-
B10	DO NOT TAKE SAMPLE - CONTROL WELL							
C10				38.21				-
D10				39.04				-
E10				34.72				-
F10				49.61				-
G10				35.60				-
H10				40.11				-
A11				35.02				-
B11				52.34				-
C11				36.75				-
D11				56.13				-
E11				34.97				-
F11	31	C.O.	2	32.14	2	000	I	-
G11				37.27				-
H11				35.94				-
A12	DO NOT TAKE SAMPLE - CONTROL WELL							
B12				41.34				+
C12				35.12				-
D12				36.51				-
E12				36.75				-
F12				32.46				-
G12				33.72				-
H12				36.89				-

NOTES: Non-random? Mistakes? Anything Unusual ? (Please write WELL Number in front of comment)

06 - NBS index site start

If a cap pops off: put cap back on, rinse plate with fresh water and blot dry

If you see a **positive King Crab**, please take a photo, blood sample (use a collection plate well) & 3 Blood Smears.

KEYS:

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2019 EBS & NBS Chionoecetes Index Site Hemolymph Collections - Kodiak / Pathobiology

Plate Number: 28
 Collected By: Leah & Jen

Vessel: 162
 Leg: 3

Keys & Comments on back 

Well:	Haul #	Spp	Sex	Size	Shell	Bio	Mat	BCS+
A1	189	CO	1	78.34	2	18.68	I	-
B1		CO	1	61.30	3	9.33	I	-
C1		CO	1	62.15	2	15.35	I	-
D1		CO	1	47.50	4	8.49	I	-
E1		CO	1	52.80	3	9.56	I	-
F1		CO	1	73.42	2	16.13	I	-
G1		CO	1	54.29	4	9.34	I	-
H1		CO	1	69.42	2	14.84	I	-
A2		CO	1	75.95	2	15.89	I	-
B2		CO	1	65.36	2	14.19	I	-
C2		CO	1	63.33	2	12.07	I	-
D2		CO	1	74.21	2	15.93	I	-
E2		CO	1	67.28	2	14.97	I	-
F2		CO	1	86.36	2	20.38	I	-
G2		CO	1	83.27	2	17.67	I	-
H2	190	CO	1	66.31	2	14.52	I	-
A3	190	CO	1	66.64	2	13.00	I	-
B3	189	CO	1	71.04	2	15.18	I	-
C3		CO	1	75.59	2	19.78	I	-
D3	DO NOT TAKE SAMPLE - CONTROL WELL							
E3		CO	1	74.58	2	15.89	I	-
F3		CO	1	79.44	2	16.49	I	-
G3		CO	1	94.22	3	24.32	I	-
H3		CO	1	73.04	2	15.46	I	-
A4		CO	1	76.55	3	16.90	I	-
B4		CO	1	64.33	2	12.91	I	-
C4		CO	1	79.32	3	16.47	I	-
D4		CO	1	72.06	2	15.02	I	-
E4		CO	1	56.73	3	8.64	I	+
F4		CO	1	80.34	2	17.28	I	-
G4		CO	1	57.90	2	11.11	I	-
H4		CO	1	76.70	2	15.60	I	-
A5		CO	1	87.74	2	20.90	I	-
B5		CO	1	88.48	4	17.30	I	-
C5		CO	1	80.19	2	15.71	I	-
D5		CO	1	88.20	2	22.24	I	-
E5	189	CO	1	85.12	2	19.16	I	-
F5	191	CO	1	62.53	2	14.21	I	-
G5	DO NOT TAKE SAMPLE - CONTROL WELL							
H5		CO	1	52.63	2	9.75	I	-
A6		CO	1	75.01	2	15.57	I	-
B6		CO	1	71.84	2	15.35	I	-
C6		CO	1	73.56	2	15.45	I	-
D6		CO	1	66.42	2	9.74	I	+
E6		CO	1	80.68	2	18.38	I	-
F6		CO	1	74.12	2	17.58	I	-
G6		CO	1	77.34	2	17.08	I	-
H6		CO	1	71.46	2	16.95	I	-

Well:	Haul #	Spp	Sex	Size	Shell	Bio	Mat	BCS+
A7	191	CO	1	76.92	2	17.73	I	-
B7		CO	1	62.24	2	14.79	I	-
C7		CO	1	82.87	2	18.64	I	-
D7		CO	1	81.62	2	17.75	I	-
E7		CO	1	75.20	2	15.14	I	-
F7		CO	1	86.87	2	15.47	I	-
G7		CO	1	72.15	2	16.81	I	-
H7		CO	1	75.76	2	16.39	I	-
A8		CO	1	74.39	2	15.68	I	-
B8		CO	1	71.83	2	16.23	I	-
C8								
D8	189	CO	1	70.20	2	15.52	I	-
E8	189	CO	1	60.81	2	12.28	I	-
F8	DO NOT TAKE SAMPLE - CONTROL WELL							
G8	191	CO	1	52.37	2	8.31	I	-
H8	189	CO	1	80.9	2	17.79	I	-
A9		CO	1	83.82	2	18.93	I	-
B9		CO	1	72.53	2	16.55	I	-
C9		CO	1	78.08	2	16.17	I	-
D9		CO	1	57.84	2	11.91	I	-
E9		CO	1	76.95	2	17.43	I	-
F9		CO	1	74.06	2	13.53	I	-
G9		CO	1	69.94	2	16.23	I	-
H9		CO	1	65.44	2	13.22	I	-
A10		CO	1	73.82	2	16.10	I	-
B10	DO NOT TAKE SAMPLE - CONTROL WELL							
C10		CO	1	72.29	2	16.91	I	-
D10		CO	1	70.24	2	14.88	I	-
E10		CO	1	57.53	2	10.98	I	-
F10	192	CO	1	60.39	2	12.87	I	-
G10		CO	1	60.92	2	13.00	I	-
H10		CO	1	74.27	2	15.13	I	-
A11		CO	1	80.92	2	20.23	I	-
B11		CO	1	64.86	2	13.25	I	-
C11		CO	1	70.21	2	13.65	I	-
D11		CO	1	59.52	2	11.09	I	-
E11		CO	1	68.21	2	10.97	I	-
F11		CO	2	46.16	2	0.00	I	+
G11		CO	1	61.02	2	11.06	I	-
H11		CO	1	67.10	2	13.31	I	-
A12	DO NOT TAKE SAMPLE - CONTROL WELL							
B12		CO	1	80.36	2	17.77	I	-
C12		CO	1	70.45	2	15.80	I	-
D12		CO	1	69.55	3	14.99	I	-
E12		CO	1	81.37	2	19.89	I	-
F12		CO	1	64.08	2	15.52	I	-
G12		CO	1	68.94	2	13.61	I	-
H12		CO	1	66.46	2	14.69	I	-

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2019 EBS & NBS *Chionoecetes* Index Site Hemolymph Collections - Kodiak / Pathobiology

Plate Number: 27

Vessel: -162

Keys & Comments on back 

Collected By: John F. Johnson

Leg: 3

Well:	Haul #	Spp	Sex	Size	Shell	Bio	Mat	BCS+
A1	170	CB	1	32.12	2	4.12	I	-
B1	172	CB	1	47.07	2	4.86	I	-
C1	172	CB	1	49.73	2	4.85	I	-
D1	147	CB	1	58.83	2	8.10	I	-
E1	147	CB	1	43.05	2	4.38	I	-
F1	172	CB	1	41.83	2	6.38	I	-
G1	147	CB	1	77.77	2	9.62	I	-
H1	147	CB	2	48.93	2	000	I	-
A2	147	CB	1	59.91	2	7.24	I	-
B2	147	CB	2	41.14	2	000	I	-
C2	147	CB	2	45.23	2	000	I	-
D2	147	CB	1	55.91	2	5.87	I	-
E2	147	CB	1	53.77	2	6.29	I	-
F2	147	CB	1	52.96	2	6.66	I	-
G2	147	CB	1	59.93	2	7.71	I	-
H2	147	CB	2	32.12	2	000	I	-
A3	147	CB	1	47.07	2	4.38	I	+
B3	147	CB	1	62.85	2	8.43	I	-
C3	176	CB	1	87.36	2	14.34	I	-
D3	DO NOT TAKE SAMPLE - CONTROL WELL							
E3	176	CB	1	68.30	2	8.69	I	-
F3	176	CB	1	58.99	2	7.44	I	-
G3	176	CB	1	63.95	2	6.68	I	-
H3	176	CB	1	77.99	2	11.22	I	-
A4	176	CB	1	66.50	2	8.16	I	-
B4	176	CB	1	58.49	2	6.41	I	-
C4	176	CB	1	60.07	2	6.78	I	-
D4	176	CB	1	57.51	2	6.71	I	-
E4	176	CB	1	92.47	3	16.49	I	-
F4	176	CB	1	49.46	2	4.91	I	-
G4	176	CB	1	46.58	2	4.94	I	-
H4	176	CB	1	60.81	2	6.88	I	-
A5	176	CB	1	73.03	2	9.18	I	-
B5	176	CB	2	60.79	2	000	I	-
C5	176	CB	2	61.84	2	000	I	-
D5	176	CB	2	56.78	2	000	I	-
E5	176	CB	2	57.29	2	000	I	-
F5	176	CB	2	57.49	2	000	I	-
G5	DO NOT TAKE SAMPLE - CONTROL WELL							
H5	176	CB	2	64.89	2	000	I	-
A6	181	CO	1	85.23	2	22.18	I	-
B6		CO	1	74.58	2	16.68	I	-
C6		CO	1	79.77	2	16.76	I	-
D6		CO	1	56.43	2	10.81	I	-
E6		CO	1	85.29	2	21.91	I	-
F6		CO	1	71.57	2	16.55	I	-
G6		CO	1	87.63	2	20.92	I	-
H6		CO	1	80.80	2	18.58	I	-

Well:	Haul #	Spp	Sex	Size	Shell	Bio	Mat	BCS+
A7	181	CO	1	92.21	2	22.87	I	-
B7		CO	1	70.42	3	14.42	I	-
C7		CO	1	87.26	2	20.91	I	-
D7		CO	1	89.70	2	21.30	I	-
E7		CO	1	75.25	2	16.90	I	-
F7	182	CO	1	78.57	2	16.31	I	-
G7	182	CO	1	72.37	3	16.87	I	-
H7	155	CO	2	50.25	3	4-1-4	M	-
A8		CO	2	46.18	3	4-1-4	M	-
B8		CO	2	47.61	3	4-1-5	M	-
C8		CO	2	59.62	3	4-1-4	M	-
D8		CO	2	45.79	3	4-1-4	M	-
E8		CO	2	48.88	3	4-1-5	M	-
F8	DO NOT TAKE SAMPLE - CONTROL WELL							
G8		CO	2	54.92	4	4-1-5	M	-
H8		CO	2	46.35	3	0-0-1	M	+
A9		CO	2	45.74	3	4-1-4	M	-
B9	189	CO	1	71.34	2	14.02	I	-
C9		CO	1	76.75	2	16.77	I	-
D9		CO	1	67.93	2	13.39	I	-
E9		CO	1	69.36	2	13.21	I	-
F9		CO	1	61.72	3	12.65	I	-
G9		CO	1	73.82	2	16.72	I	-
H9		CO	1	70.25	3	14.93	I	-
A10		CO	1	76.81	2	15.28	I	-
B10	DO NOT TAKE SAMPLE - CONTROL WELL							
C10		CO	1	70.82	3	14.47	I	-
D10		CO	1	65.45	2	12.06	I	-
E10		CO	1	52.15	3	9.63	I	-
F10		CO	1	60.71	2	12.12	I	-
G10		CO	1	71.94	2	15.31	I	-
H10		CO	1	61.75	3	12.70	I	-
A11		CO	1	78.73	2	16.60	I	-
B11		CO	1	67.41	2	15.14	I	-
C11		CO	1	63.77	3	13.90	I	-
D11		CO	1	66.09	2	13.37	I	-
E11		CO	1	65.32	2	14.13	I	-
F11		CO	1	57.74	4	10.46	I	-
G11		CO	1	82.08	2	16.14	I	-
H11		CO	1	83.95	2	19.52	I	+
A12	DO NOT TAKE SAMPLE - CONTROL WELL							
B12		CO	1	74.16	2	15.51	I	-
C12		CO	1	87.67	2	21.06	I	-
D12		CO	1	80.28	2	15.90	I	-
E12		CO	1	69.94	3	14.05	I	-
F12		CO	1	68.68	3	16.42	I	+
G12		CO	1	67.69	2	15.60	I	-
H12		CO	1	55.50	3	10.18	I	-

NOTES: Non-random? Mistakes? Anything Unusual ? (Please write WELL Number in front of comment)

If a cap pops off: put cap back on, rinse plate with fresh water and blot dry

If you see a positive King Crab, please take a photo, blood sample (use a collection plate well) & 3 Blood Smears.

KEYS:

Spp (species): CO = <i>C. opilio</i> CB = <i>C. bairdi</i> (or write out "opilio"; "bairdi")	Sex: 1 = Male 2 = Female 3 = Unknown	Size: Carapace Width in mm (tenths)	Shell Condition: 0 = Premolt/Molt 1 = Soft Shell 2 = New Shell 3 = Old Shell 4 = Very Old Shell 5 = Graveyard	Bio (Biometrics): MALE: Chela Height in mm (tenths); FEMALE: Clutch (use standard color, condition & fullness codes)	Mat (maturity): M or v = Mature crab (indicate when sampling in sites 1 & 4)	BCS+: P = Visually Positive N = Visually Negative
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2019 EBS & NBS *Chionoecetes* Index Site Hemolymph Collections - Kodiak / Pathobiology

Plate Number: 26
 Collected By: Jen & Leah

Vessel: 162
 Leg: 3

Keys & Comments on back 

Well:	Haul #	Spp	Sex	Size	Shell	Bio	Mat	BCS+
A1	155	CO	2	49.23	3	4-1-6	M	-
B1		CO	2	49.82	3	4-1-5	M	-
C1		CO	2	53.48	4	4-1-4	M	-
D1		CO	2	45.25	3	4-1-5	M	-
E1		CO	2	49.95	4	4-1-4	M	-
F1		CO	2	48.69	3	4-1-5	M	-
G1		CO	2	47.31	3	4-1-4	M	-
H1		CO	2	51.48	3	4-1-5	M	-
A2		CO	2	49.35	3	4-1-5	M	-
B2	167	CO	2	48.50	3	4-1-5	M	-
C2		CO	2	49.95	3	4-1-6	M	-
D2		CO	2	40.23	3	4-1-5	M	-
E2		CO	2	47.38	3	4-1-5	M	-
F2		CO	2	46.71	3	4-1-5	M	-
G2		CO	2	47.63	3	4-1-4	M	-
H2		CO	2	45.73	3	4-1-5	M	-
A3		CO	2	48.39	3	4-1-6	M	-
B3		CO	2	48.73	4	4-1-5	M	-
C3		CO	2	46.47	3	4-1-5	M	-
D3	DO NOT TAKE SAMPLE - CONTROL WELL							
E3		CO	1	105.72	3	26.58	M	-
F3		CO	2	45.61	3	4-1-4	M	-
G3		CO	2	53.76	3	4-1-4	M	-
H3		CO	2	50.43	3	4-1-5	M	-
A4		CO	2	50.30	3	4-1-4	M	-
B4		CO	2	48.19	3	4-1-4	M	-
C4		CO	2	50.23	3	4-1-4	M	-
D4		CO	2	46.42	3	4-1-4	M	-
E4		CO	2	47.34	3	4-1-4	M	-
F4		CO	2	51.43	3	4-1-6	M	-
G4	170	CO	1	116.09	3	28.72	M	-
H4		CO	1	101.95	4	26.25	M	-
A5		CO	1	112.36	3	27.82	M	-
B5		CO	2	51.83	3	4-1-5	M	-
C5		CO	2	47.97	3	4-1-5	M	-
D5		CO	2	48.79	3	4-1-4	M	-
E5		CO	2	52.11	3	4-1-5	M	-
F5		CO	2	48.46	3	4-1-5	M	-
G5	DO NOT TAKE SAMPLE - CONTROL WELL							
H5		CO	2	53.46	3	4-1-4	M	-
A6		CO	2	45.21	3	4-1-6	M	-
B6		CO	2	57.00	3	4-1-5	M	-
C6		CO	2	48.30	3	4-1-4	M	-
D6		CO	2	50.42	3	4-1-5	M	-
E6		CO	2	48.03	3	4-1-4	M	-
F6		CO	2	42.20	3	4-1-5	M	-
G6		CO	2	48.05	3	4-1-5	M	-
H6		CO	2	48.20	3	4-1-3	M	-

Well:	Haul #	Spp	Sex	Size	Shell	Bio	Mat	BCS+
A7	170	CO	2	44.34	3	4-1-4	M	-
B7		CO	2	32.35	3	4-1-4	M	-
C7		CO	2	45.57	3	4-1-4	M	-
D7	172	CB	2	53.17	2	000	I	-
E7		CB	2	63.83	2	000	I	-
F7		CB	1	44.26	3	16.52	I	-
G7		CB	2	55.47	2	000	I	-
H7		CB	1	69.07	2	7.70	I	-
A8		CB	1	65.73	2	7.58	I	-
B8		CB	1	52.54	2	6.12	I	-
C8		CB	1	57.98	2	5.94	I	-
D8		CB	1	69.59	2	7.86	I	-
E8		CB	1	60.02	2	6.87	I	-
F8	DO NOT TAKE SAMPLE - CONTROL WELL							
G8		CB	1	48.42	2	5.42	I	-
H8		CB	1	46.78	2	5.35	I	-
A9		CB	1	72.54	2	8.97	I	-
B9		CB	2	25.92	2	000	I	+
C9		CB	2	33.98	2	000	I	-
D9		CB	2	30.67	2	000	I	-
E9		CB	2	38.75	2	000	I	-
F9		CB	2	55.36	2	000	I	-
G9		CO	2	29.34	2	000	I	-
H9		CB	1	47.70	2	5.88	I	-
A10	173	CB	1	71.81	2	7.87	I	+
B10	DO NOT TAKE SAMPLE - CONTROL WELL							
C10		CB	1	54.55	2	10.87	I	-
D10		CB	1	43.11	2	4.50	I	+
E10		CB	1	39.43	2	3.96	I	-
F10		CB	1	56.31	2	6.60	I	+
G10		CB	1	49.91	2	5.41	I	-
H10		CB	4	33.33	2	3.56	I	-
A11		CB	2	39.89	2	000	I	-
B11		CB	2	46.70	2	000	I	-
C11		CB	2	42.59	2	000	I	+
D11		CB	2	38.39	2	000	I	-
E11		CB	2	40.33	2	000	I	+
F11		CB	2	40.01	2	000	I	-
G11		CB	2	53.22	2	000	I	-
H11		CB	2	42.37	2	000	I	-
A12	DO NOT TAKE SAMPLE - CONTROL WELL							
B12		CB	2	28.11	2	000	I	-
C12		CB	2	40.14	2	000	I	-
D12		CB	2	46.21	2	000	I	-
E12	172	CB	1	76.42	2	9.37	I	-
F12	172	CB	1	82.66	2	11.44	I	+
G12	172	CB	1	86.41	3	14.53	I	-
H12	174	CB	2	48.92	2	000	I	-

NOTES: Non-random? Mistakes? Anything Unusual ? (Please write **WELL Number** in front of comment)

If a cap pops off: put cap back on, rinse plate with fresh water and blot dry

If you see a **positive King Crab**, please take a photo, blood sample (use a collection plate well) & 3 Blood Smears.

KEYS:

Spp (species): CO = C. opilio CB = C. bairdi (or write out "opilio"; "bairdi")	Sex: 1 = Male 2 = Female 3 = Unknown	Size: Carapace Width in mm (tenths)	Shell Condition: 0 = Premolt/Molt 1 = Soft Shell 2 = New Shell 3 = Old Shell 4 = Very Old Shell 5 = Graveyard	Bio (Biometrics): MALE: Chela Height in mm (tenths); FEMALE: Clutch (use standard color, condition & fullness codes)	Mat (maturity): M or v = Mature crab (indicate when sampling in sites 1 & 4)	BCS+: P = Visually Positive N = Visually Negative
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2019 EBS & NBS Chionoecetes Index Site Hemolymph Collections - Kodiak / Pathobiology

Plate Number: 23

Vessel: AKN 162

Keys & Comments on back

Collected By: VCSP/CL / Jen & Leah

Leg: 2 & 3



	Well:	Haul #	Spp	Sex	Size	Shell	Bio	Mat	BCS+
Column 1	A1	120	Co	1	69.63	3	13.25	I	-
	B1	120		1	79.41	3	17.04	F	-
	C1	120		1	67.04	3	13.68	I	-
	D1	120	Co	1	54.28	3	12.06	I	-
	E1	120	Co	1	60.54	3	11.58	I	-
	F1	124	Co	1	60.08	3	12.39	I	-
	G1	124	Co	1	79.48	3	18.55	F	-
	H1	124	Co	1	57.29	3	20.03	F	-
Column 2	A2	117	Co	1	71.94	3	16.18	I	-
	B2				65.35	3	14.63	I	-
	C2				66.26	3	12.39	I	-
	D2				70.54	3	12.60	I	-
	E2				67.99	3	14.83	F	-
	F2				70.56	3	16.05	I	-
	G2				75.37	3	17.61	I	-
	H2				69.63	3	14.62	I	-
Column 3	A3				57.32	3	11.70	I	-
	B3				66.16	3	16.48	I	-
	C3				91.59	3	22.39	I	-
	D3	DO NOT TAKE SAMPLE - CONTROL WELL							
	E3	117	Co	1	61.92	3	13.14	F	-
	F3	137	Co	1	92.14	2	16.46	F	-
	G3	137	Co	1	90.3	3	15.59	F	-
	H3	133		1	72.25	2	16.13	I	-
Column 4	A4				71.47	2	15.97	I	-
	B4				87.29	2	18.1	I	-
	C4				67.56	2	14.47	I	-
	D4				79.87	2	18.6	F	-
	E4				59.04	2	13.7	I	-
	F4				80.75	2	18.68	I	-
	G4				73.53	2	17.33	I	-
	H4				76.44	2	17.70	I	-
Column 5	A5				62.71	2	13.21	I	-
	B5				92.67	2	21.52	I	-
	C5				85.28	2	20.53	I	-
	D5				77.11	2	18.52	I	-
	E5				79.33	2	19.36	I	-
	F5				62.68	2	15.08	I	-
	G5	DO NOT TAKE SAMPLE - CONTROL WELL							
	H5				59.10	2	13.11	I	-
Column 6	A6				86.77	2	22.05	I	-
	B6				66.66	2	12.06	I	-
	C6				82.20	2	19.1	F	-
	D6				75.43	2	17.6	I	-
	E6				59.79	2	26.4	F	-
	F6				30.88	2	11.0	I	-
	G6				52.11	2	9.13	I	-
	H6	133	Co	1	67.78	2	15.7	I	-

	Well:	Haul #	Spp	Sex	Size	Shell	Bio	Mat	BCS+
Column 7	A7	133	Co	1	52.47	2	11.04	I	-
	B7	133	Co	1	62.49	2	13.97	F	-
	C7	133	Co	1	78.51	2	16.98	F	-
	D7	146	CB	1	52.03	2	5.29	I	-
	E7	146	CB	1	56.36		7.25	I	-
	F7	146	CB	2	30.77	2	000	F	-
	G7	146	Co	1	57.73	2	NA	I	-
	H7	146	CB	2	41.47	2	000	F	-
Column 8	A8	146	CB	1	39.23	2	3.63	I	-
	B8	146	CB	2	56.14	2	000	F	-
	C8	146	CB	1	34.51	2	4.35	I	-
	D8	146	Co	1	32.33	2	3.48	I	-
	E8	146	CB	2	39.01	2	000	F	-
	F8	DO NOT TAKE SAMPLE - CONTROL WELL							
	G8	146	CB	1	24.01	2	3.15	I	-
	H8	146	Co	2	33.9	2	000	I	-
Column 9	A9	146	CB	2	32.40	2	000	I	-
	B9	146	CB	2	31.83	2	000	I	-
	C9	146	CB	2	29.11	2	000	F	-
	D9	146	Co	2	30.52	2	000	I	-
	E9	146		2	84.01	2	14.41	F	-
	F9	146		1	4.16	2	5.84	F	-
	G9	146	Co	2	32.58	2	000	I	-
	H9	146	Co	2	30.92	2	000	F	-
Column 10	A10	147	Co	2	61.13	2	000	I	-
	B10	DO NOT TAKE SAMPLE - CONTROL WELL							
	C10	147	CB	2	52.4	2	000	I	-
	D10	147	Co	2	72.80	2	000	I	-
	E10	147	Co	1	35.08	2	3.63	I	-
	F10	147	Co	2	44.87	2	000	I	-
	G10	147	Co	2	55.22	2	000	I	-
	H10	147	CB	1	63.21	2	9.20	F	-
Column 11	A11	147	Co	1	64.34	2	7.85	F	-
	B11	147	Co	2	54.83	2	000	I	-
	C11	147	CB	1	33.33	2	3.27	I	-
	D11	147	Co	1	62.42	2	8.11	F	-
	E11	147	Co	1	1.32	2	6.87	F	-
	F11	147	Co	1	56.11	2	7.71	I	-
	G11	147	Co	2	57.56	2	000	I	-
	H11	147	Co	2	51.88	2	000	I	-
Column 12	A12	DO NOT TAKE SAMPLE - CONTROL WELL							
	B12	147	Co	1	34.36	2	4.31	I	-
	C12	147	Co	1	51.72	2	7.01	F	-
	D12	147	Co	1	58.96	2	NA	I	-
	E12	147	Co	1	57.4	2	6.8	I	-
	F12	147	Co	1	59.14	2	7.18	F	-
	G12	152	Co	1	98.86	2	24.02	M	-
	H12	152	Co	1	98.13	2	23.25	M	-

NOTES: Non-random? Mistakes? Anything Unusual ? (Please write **WELL Number** in front of comment)

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If you see a positive King Crab, please take a photo, blood sample (use a collection plate well) & 3 Blood Smears.

KEYS:

<u>Spp (species):</u> CO = C. opilio CB = C. bairdi (or write out "opilio"; "bairdi")	<u>Sex:</u> 1 = Male 2 = Female 3 = Unknown	<u>Size:</u> Carapace Width in mm (tenths)	<u>Shell Condition:</u> 0 = Premolt/Molt 1 = Soft Shell 2 = New Shell 3 = Old Shell 4 = Very Old Shell 5 = Graveyard	<u>Bio (Biometrics):</u> MALE: Chela Height in mm (tenths); FEMALE: Clutch (use standard color, condition & fullness codes)	<u>Mat (maturity):</u> M or v = Mature crab (indicate when sampling in sites 1 & 4)	<u>BCS+:</u> P = Visually Positive N = Visually Negative
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2019 EBS & NBS Chionoecetes Index Site Hemolymph Collections - Kodiak / Pathobiology

Plate Number: 25

Vessel: AKK 162

Keys & Comments on back 

Collected By: Deleesh

Leg: 3

Well:	Haul #	Spp	Sex	Size	Shell	Bio	Mat	BCS+
A1	155	CO	M	70.69	3	15.00	M	-
B1		CO	M	89.21	2	18.61	M	-
C1		CO	2	49.62	3	4-1-5	M	-
D1		CO	2	52.98	3	4-1-5	M	-
E1		CO	2	51.57	3	4-1-4	M	-
F1		CO	2	46.49	3	4-1-4	M	+
G1		CO	2	48.00	3	4-1-5	M	-
H1		CO	1	95.51	3	21.30	M	-
A2		CO	2	51.51	2	4-1-5	M	-
B2		CO	2	53.14	2	4-1-5	M	-
C2		CO	2	45.42	3	4-1-5	M	-
D2		CO	2	49.50	3	4-1-5	M	-
E2		CO	2	44.84	3	4-1-5	M	-
F2		CO	2	50.87	3	4-1-5	M	-
G2		CO	2	46.69	3	4-1-5	M	-
H2		CO	1	101.10	3	23.19	M	-
A3		CO	2	51.35	3	4-1-4	M	-
B3		CO	2	48.33	3	4-1-4	M	-
C3		CO	2	47.50	3	4-1-5	M	-
D3	DO NOT TAKE SAMPLE - CONTROL WELL							
E3		CO	2	48.73	3	4-1-5	M	-
F3		CO	2	50.27	3	4-1-5	M	-
G3		CO	2	52.56	3	4-1-5	M	+
H3		CO	2	50.34	3	4-1-4	M	-
A4		CO	2	48.21	3	4-1-6	M	-
B4		CO	2	49.48	3	4-1-6	M	-
C4		CO	2	48.08	3	4-1-3	M	-
D4		CO	2	46.22	3	4-1-5	M	-
E4		CO	2	51.12	3	4-1-5	M	-
F4		CO	2	49.85	2	4-1-5	M	-
G4		CO	2	42.62	3	4-1-5	M	-
H4		CO	2	48.89	3	4-1-4	M	-
A5		CO	2	45.92	3	4-1-5	M	-
B5		CO	2	46.61	3	4-1-5	M	-
C5		CO	2	49.04	3	4-1-5	M	-
D5		CO	2	47.46	3	4-1-6	M	-
E5		CO	2	47.15	3	4-1-5	M	-
F5		CO	2	45.42	3	4-1-4	M	-
G5	DO NOT TAKE SAMPLE - CONTROL WELL							
H5		CO	2	49.23	3	4-1-4	M	-
A6		CO	2	45.16	3	4-1-4	M	-
B6		CO	2	46.13	3	4-1-3	M	-
C6	157	CO	1	106.51	4	23.92	M	-
D6		CO	1	100.19	4	22.14	M	-
E6		CO	1	94.03	4	20.39	M	-
F6		CO	1	105.15	4	23.52	M	-
G6		CO	1	105.80	3	23.86	M	-
H6		CO	1	106.61	3	26.68	M	-

Well:	Haul #	Spp	Sex	Size	Shell	Bio	Mat	BCS+
A7	157	CO	1	96.13	3	25.20	M	-
B7		CO	1	102.29	3	23.74	M	-
C7		CO	1	97.24	2	23.53	M	-
D7		CO	1	99.97	3	21.72	M	-
E7		CO	2	51.11	3	4-1-5	M	-
F7		CO	2	62.71	3	4-1-4	M	-
G7		CO	2	51.28	3	4-1-5	M	-
H7		CO	2	50.63	3	4-1-3	M	-
A8		CO	2	55.79	3	4-1-5	M	-
B8		CO	2	50.30	3	4-1-5	M	-
C8		CO	2	44.78	3	4-1-6	M	-
D8		CO	2	47.00	3	4-1-5	M	-
E8	157	CO	2	47.66	3	4-1-5	M	-
F8	DO NOT TAKE SAMPLE - CONTROL WELL							
G8	155	CO	2	50.50	2	4-1-5	M	-
H8	161	CO	1	63.72	2	9.46	I	-
A9		CO	1	55.92	3	11.29	I	-
B9		CO	1	71.04	2	11.13	I	-
C9		CO	1	67.55	2	10.99	I	-
D9		CO	2	55.65	2	0-0-0	I	-
E9		CO	1	64.13	2	9.81	I	-
F9		CO	1	76.10	2	13.18	I	+
G9		CO	1	65.96	2	11.81	I	-
H9		CO	1	71.97	2	11.78	I	-
A10		CO	1	75.31	2	15.12	I	-
B10	DO NOT TAKE SAMPLE - CONTROL WELL							
C10		CO	1	57.94	3	11.70	I	-
D10		CO	1	75.21	2	12.32	I	-
E10		CO	1	60.36	2	8.60	I	-
F10		CO	1	73.01	2	12.61	I	-
G10		CO	1	69.47	2	10.64	I	-
H10		CO	1	85.82	2	14.07	I	-
A11		CO	1	69.81	2	12.22	I	-
B11		CO	1	65.97	2	9.89	I	-
C11		CO	1	70.95	2	11.09	I	-
D11		CO	1	70.03	2	13.18	I	-
E11	166	CO	2	48.45	2	4-1-2	M	-
F11	155	CO	2	52.00	3	4-1-5	M	-
G11		CO	2	52.36	3	4-1-5	M	-
H11		CO	2	52.92	3	4-1-5	M	-
A12	DO NOT TAKE SAMPLE - CONTROL WELL							
B12		CO	2	50.30	3	4-1-4	M	-
C12		CO	2	50.67	3	4-1-6	M	-
D12		CO	2	50.12	3	4-1-5	M	-
E12		CO	2	61.55	3	4-1-5	M	-
F12		CO	2	50.97	3	4-1-5	M	-
G12		CO	2	51.26	3	4-1-4	M	-
H12		CO	2	51.64	3	4-1-5	M	-

NOTES: Non-random? Mistakes? Anything Unusual? (Please write WELL Number in front of comment)

A1 & B1 are too small for male mature size cut off,
we realized this and drew 2 more blood samples for
this haul (so A1 & B1 can be eliminated)

If a cap pops off: put cap back on, rinse plate with fresh water and blot dry

If you see a positive King Crab, please take a photo, blood sample (use a collection plate well) & 3 Blood Smears.

KEYS:

Spp (species): CO = <i>C. opilio</i> CB = <i>C. bairdi</i> (or write out "opilio"; "bairdi")	Sex: 1 = Male 2 = Female 3 = Unknown	Size: Carapace Width in mm (tenths)	Shell Condition: 0 = Premolt/Molt 1 = Soft Shell 2 = New Shell 3 = Old Shell 4 = Very Old Shell 5 = Graveyard	Bio (Biometrics): MALE: Chela Height in mm (tenths); FEMALE: Clutch (use standard color, condition & fullness codes)	Mat (maturity): M or v = Mature crab (indicate when sampling in sites 1 & 4)	BCS±: P = Visually Positive N = Visually Negative
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2019 EBS & NBS *Chionoecetes* Index Site Hemolymph Collections - Kodiak / Pathobiology

Plate Number: 21
 Collected By: EF

Vessel: 94
 Leg: 2

Keys & Comments on back 

Well:	Haul #	Spp	Sex	Size	Shell	Bio	Mat	BCS+
A1	133	CO	M	40.51	3	6.21	I	N
B1			M	52.97	2	9.29	I	F
C1			M	66.62	2	11.01		N
D1			M	51.19	2	8.62		
E1			M	48.20	2	7.97		
F1			M	60.51	2	10.34		
G1			M	49.03	R	7.54		
H1	132	CO	F	51.66	2	000	I	
A2			M	59.21	2	9.50		
B2			M	67.36	2	11.71		
C2			F	55.34	2	000	I	
D2			F	54.14	2	000		
E2			M	61.43	2	10.75		
F2			M	70.59	2	12.01		
G2			M	61.21	2	10.18		
H2			M	65.96	2	12.18		
A3			M	57.82	2	10.03		
B3			M	68.00	2	11.73		
C3			M	56.80	2	9.33		
D3	DO NOT TAKE SAMPLE - CONTROL WELL							
E3			M	65.89	2	11.74		
F3			M	54.27	2	9.31		
G3			M	65.16	2	10.64		
H3			M	67.57	2	12.15		
A4			M	65.31	2	10.78		
B4			M	54.38	2	9.14		
C4			M	52.10	2	8.93		
D4	135	CO	M	58.41	2	10.01	I	N
E4	159	CO	M	69.22	2	11.29	I	N
F4				60.28	2	10.21	I	N
G4				59.25	2	11.90	I	N
H4				67.82	2	12.22	I	N
A5				62.86	2	11.04	I	N
B5				69.06	2	11.11	I	N
C5				61.96	2	9.00	I	N
D5				75.47	2	13.06	I	N
E5				73.11	2	12.83	I	N
F5				72.88	2	12.69	I	N
G5	DO NOT TAKE SAMPLE - CONTROL WELL							
H5				61.85	2	10.07	I	N
A6				70.46	2	16.02	I	N
B6				57.97	2	9.84	I	N
C6				65.71	2	10.63	I	N
D6				65.54	2	11.09	I	N
E6				56.67	2	9.50	I	N
F6				63.22	2	10.07	I	N
G6				57.04	2	12.82	I	N
H6	163	CO	M	55.05	2	11.16	I	N

Well:	Haul #	Spp	Sex	Size	Shell	Bio	Mat	BCS+
A7	163	CO	M	60.45	2	12.51	I	N
B7				72.98		13.30		
C7				72.97		12.34		
D7				62.45		2.30		
E7				71.19		16.18		
F7				67.73		14.41		
G7				59.48		12.35		
H7				74.70		18.20		
A8				55.84		12.31		
B8				59.05		13.88		
C8				59.37		13.27		
D8				50.66		8.28		
E8				73.86		13.05		
F8	DO NOT TAKE SAMPLE - CONTROL WELL							
G8				57.92		10.64		
H8				57.12		9.96		
A9				74.74		17.40		
B9				68.76		15.35		
C9				54.53		16.96		
D9				73.18		13.44		
E9				46.76		7.83		
F9				68.38		12.21		
G9	164	CO	M	67.05	2	15.02	I	N
H9				72.07	2	17.35		
A10				59.23	3	11.19		
B10	DO NOT TAKE SAMPLE - CONTROL WELL							
C10				53.90	2	12.25		
D10				66.85	3	13.75		
E10				59.87	3	12.40		
F10				54.17	3	10.73		
G10				54.86	3	11.42		
H10				53.18	3	10.72		
A11				54.39	3	11.41		
B11				64.10	3	11.04		
C11				59.51	3	13.16		
D11				63.89	3	14.83		
E11				47.91	3	9.31		
F11				56.79	3	12.28		
G11				54.35	3	11.76		
H11				57.09	2	12.03		
A12	DO NOT TAKE SAMPLE - CONTROL WELL							
B12				65.57	3	15.51		
C12				46.24	3	9.66		
D12				57.36	4	12.52		
E12	165	CO	M	61.56	3	13.66	I	N
F12				54.04	3	10.11		
G12				61.59	3	13.06		
H12				52.20	3	9.69		

Please fill out data sheet completely. Do not leave blanks; missing data can cause the sample to be thrown out.

NOTES: Non-random? Mistakes? Anything Unusual ? (Please write WELL Number in front of comment)

If a cap pops off: put cap back on, rinse plate with fresh water and blot dry

If you see a positive King Crab, please take a photo, blood sample (use a collection plate well) & 3 Blood Smears.

KEYS:

<p>Spp (species): CO = <i>C. opilib</i> CB = <i>C. bairdi</i> (or write out "opilio "; "bairdi")</p>	<p>Sex: 1 = Male 2 = Female 3 = Unknown</p>	<p>Size: Carapace Width in mm (tenths)</p>	<p>Shell Condition: 0 = Premolt/Molt 1 = Soft Shell 2 = New Shell 3 = Old Shell 4 = Very Old Shell 5 = Graveyard</p>	<p>Bio (Biometrics): MALE: Chela Height in mm (tenths); FEMALE: Clutch (use standard color, condition & fullness codes)</p>	<p>Mat (maturity): M or V = Mature crab</p>	<p>BCS+: P = Visually Positive N = Visually Negative</p>
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2019 EBS & NBS *Chionoecetes* Index Site Hemolymph Collections - Kodiak / Pathobiology

Plate Number: 22
 Collected By: VLJCC

Vessel: 94
 Leg: 3

Keys & Comments on back 

Well:	Haul #	Spp	Sex	Size	Shell	Bio	Mat	BCS+
A1	165	C.O.	M	56.30	3	12.17	I	N
B1				74.72	3	16.94		
C1				54.04	3	11.19		
D1				56.71	2	11.45		
E1				56.16	3	12.84		
F1				58.05	3	13.19		
G1				53.78	2	11.17		
H1				52.46	3	13.04		
A2				62.32	3	14.24		
B2				59.28	2	12.80		
C2				57.94	3	13.01		
D2				71.47	3	15.40		
E2				63.13	3	13.84		
F2				49.66	3	10.09		
G2				57.26	3	11.89		
H2				51.03	3	9.95		
A3	166	C.O.	M	63.63	2	10.33	I	N
B3				43.34	2	8.96		
C3				53.96	2	10.98		
D3	DO NOT TAKE SAMPLE - CONTROL WELL							
E3			F	47.65	2	9.41		
F3			F	48.04	2	11.00		
G3			M	62.52	3	13.13		
H3				46.64	2	7.52		
A4				68.87	2	15.70		
B4				57.88	2	9.96		
C4				71.93	2	12.48		
D4				47.80	3	8.88		
E4				62.01	2	10.70		
F4				51.62	2	7.81		
G4				42.39	2	6.18		
H4				65.31	2	11.44		
A5				66.90	2	14.63		
B5				51.86	2	10.54		
C5				58.51	2	9.57		
D5				46.25	2	7.14		
E5				57.14	2	9.50		
F5	167	C.O.	M	59.86	2	13.22	I	N
G5	DO NOT TAKE SAMPLE - CONTROL WELL							
H5				49.88	2	8.44		
A6				45.08	2	8.82		
B6			F	56.45	2	9.63		
C6			F	45.85	2	10.0		
D6			M	64.44	2	11.65		
E6			F	54.00	2	8.75		
F6			F	50.39	2	0.0		
G6			L	48.40	2	0.0		
H6			L	49.11	2	0.0		

Well:	Haul #	Spp	Sex	Size	Shell	Bio	Mat	BCS+
A7	167	C.O.	F	43.69	2	0.0	I	N
B7				50.79	2	0.0		
C7				47.92	2	0.0		
D7				57.24	2	0.0		
E7				49.40	2	0.0		
F7			M	42.37	2	6.25		
G7				62.90	2	11.41		
H7				49.20	2	7.96		
A8				57.41	2	10.02		
B8				50.44	2	7.21		
C8	169	C.O.	M	48.39	2	9.38	I	N
D8				51.49	3	10.73		
E8				53.87	2	11.38		
F8	DO NOT TAKE SAMPLE - CONTROL WELL							
G8				65.09	2	14.50		
H8				57.38	2	9.35		
A9				48.19	2	9.12		
B9				65.58	2	16.42		
C9				64.16	2	10.49		
D9				51.40	2	10.06		
E9				53.63	2	9.02		
F9				48.26	2	8.88		
G9				61.98	2	10.63		
H9				57.41	2	9.31		
A10				64.26	2	14.54		
B10	DO NOT TAKE SAMPLE - CONTROL WELL							
C10				57.36	3	10.49		
D10				46.42	3	9.33		
E10				60.63	3	12.81		
F10				54.32	2	7.99		
G10				61.57	3	13.46		
H10				50.20	2	6.73		
A11	171	C.O.	F	49.09	2	4.15	M	N
B11				50.40	2	4.15		
C11				48.56	2	4.15		
D11				51.29	2	4.15		
E11				52.56	2	4.15		
F11				49.64	2	4.15		
G11				50.62	2	4.15		
H11				52.87	2	4.15		
A12	DO NOT TAKE SAMPLE - CONTROL WELL							
B12				48.95	2	4.15		
C12				49.77	2	4.15		
D12				48.39	2	4.15		
E12				46.98	2	4.15		
F12				53.60	2	4.15		
G12				50.93	2	4.15		
H12				53.65	2	4.15		

Please fill out data sheet completely. Do not leave blanks; missing data can cause the sample to be thrown out.

NOTES: Non-random? Mistakes? Anything Unusual? (Please write WELL Number in front of comment)

If a cap pops off: put cap back on, rinse plate with fresh water and blot dry

If you see a positive King Crab, please take a photo, blood sample (use a collection plate well) & 3 Blood Smears.

KEYS:

<p>Spp (species): CO = <i>C. opilio</i> CB = <i>C. bairdi</i> (or write out "opilio"; "bairdi")</p>	<p>Sex: 1 = Male 2 = Female 3 = Unknown</p>	<p>Size: Carapace Width in mm (tenths)</p>	<p>Shell Condition: 0 = Premolt/Molt 1 = Soft Shell 2 = New Shell 3 = Old Shell 4 = Very Old Shell 5 = Graveyard</p>	<p>Bio (Biometrics): MALE: Chela Height in mm (tenths); FEMALE: Clutch (use standard color, condition & fullness codes)</p>	<p>Mat (maturity): M or V = Mature crab</p>	<p>BCS+: P = Visually Positive N = Visually Negative</p>
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2019 EBS & NBS Chionoecetes Index Site Hemolymph Collections - Kodiak / Pathobiology

Plate Number: 37
 Collected By: V.L. B.C.C.

Vessel: 94
 Leg: 3

Keys & Comments on back 

Well:	Haul #	Spp	Sex	Size	Shell	Bio	Mat	BCS+
A1	171	C.O.	F	50.60	2	415	M	N
B1				54.65	2	415		
C1				54.70	2	415		
D1				54.41	2	416		
E1				49.55	2	416		
F1	172	C.O.	F	58.50	2	415	M	N
G1				59.94	2	415		
H1				55.31	2	415		
A2				53.30	2	415		
B2				56.11	2	416		
C2				53.48	2	415		
D2				53.83	2	415		
E2				52.96	2	415		
F2				50.06	2	415		
G2				51.66	2	415		
H2				52.67	2	416		
A3				57.90	2	415		
B3				54.90	2	415		
C3				51.44	2	415		
D3	DO NOT TAKE SAMPLE - CONTROL WELL							
E3				52.44	2	415		
F3				50.85	2	415		
G3				52.77	2	415		
H3				49.16	2	415		
A4				52.72	2	415		
B4				56.91	2	415		
C4				52.48	2	415		
D4	175	C.O.	M	102.20	2	2727	M	N
E4				100.20	2	25.11		
F4			F	56.43	2	414		
G4				52.52	2	415		
H4				53.27	2	415		
A5				48.83	2	415		
B5				48.87	2	414		
C5				46.09	2	413		
D5				55.82	2	415		
E5				42.05	2	413		
F5				54.95	2	415		
G5	DO NOT TAKE SAMPLE - CONTROL WELL							
H5				50.08	2	415		
A6				52.15	2	415		
B6				51.52	2	414		
C6				54.31	2	415		
D6				54.95	2	416		
E6				55.24	2	416		
F6				58.59	2	415		
G6				47.74	2	415		
H6				51.36	2	415		

Well:	Haul #	Spp	Sex	Size	Shell	Bio	Mat	BCS+
A7	178	C.B.	M	69.64	2	8.88	I	N
B7			F	47.09	2	000	I	
C7			M	74.63	2	9.77		
D7			M	51.93	2	6.8	I	
E7			F	54.87	2	000	I	
F7			F	63.10	2	000	I	
G7			F	62.26	2	000	I	
H7			M	63.94	2	8.54	I	
A8			M	46.18	2	5.63	I	
B8			M	94.02	2	16.22	I	
C8			M	63.23	2	8.42	I	
D8			F	54.26	2	000	I	
E8			F	61.98	2	000	I	
F8	DO NOT TAKE SAMPLE - CONTROL WELL							
G8			M	59.52	2	7.64	I	
H8			M	53.58	2	6.79	F	
A9			M	59.87	2	7.74	I	
B9			M	51.01	2	6.15	I	
C9			M	61.60	2	8.32	I	
D9			M	75.12	2	10.12	I	
E9			M	64.50	2	8.31	I	
F9	179	C.B.	F	41.81	2	000	I	N
G9				43.57	2	000		
H9				65.88	2	000		
A10				42.70	2	000		
B10	DO NOT TAKE SAMPLE - CONTROL WELL							
C10			M	37.82	2	4.54		
D10			F	30.57	2	3.58		
E10			F	43.09	2	000		
F10			F	36.44	2	000		
G10			M	32.88	2	3.56		P
H10			F	43.82	2	000		N
A11				35.69	2	000		
B11				42.76	2	000		
C11			M	35.63	2	4.01		
D11			F	34.33	2	000		
E11			M	38.05	2	No Chel		
F11			F	37.85	2	000		
G11			F	37.33	2	000		
H11			M	28.42	2	3.11		
A12	DO NOT TAKE SAMPLE - CONTROL WELL							
B12			F	26.67	2	3.22		P
C12			F	31.67	2	000		P
D12	180	C.B.	M	74.22	2	11.47	I	N
E12				74.33	2	10.50		
F12				55.97	2	6.58		
G12			F	37.82	2	000		
H12			M	65.73	2	8.84		

NOTES: Non-random? Mistakes? Anything Unusual? (Please write **WELL Number** in front of comment)

#F-2 has two samples

21 crab sampled for haul 172 due to double sample on F-2

#B-12 → only get 1 of blood

If a cap pops off: put cap back on, rinse plate with fresh water and blot dry

If you see a positive King Crab, please take a photo, blood sample (use a collection plate well) & 3 Blood Smears.

KEYS:

Spp (species): CO = <i>C. opilio</i> CB = <i>C. bairdi</i> (or write out "opilio"; "bairdi")	Sex: 1 = Male 2 = Female 3 = Unknown	Size: Carapace Width in mm (tenths)	Shell Condition: 0 = Premolt/Molt 1 = Soft Shell 2 = New Shell 3 = Old Shell 4 = Very Old Shell 5 = Graveyard	Bio (Biometrics): MALE: Chela Height in mm (tenths); FEMALE: Clutch (use standard color, condition & fullness codes)	Mat (maturity): M or v = Mature crab (indicate when sampling in sites 1 & 4)	BCS+: P = Visually Positive N = Visually Negative
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NOTES: Non-random? Mistakes? Anything Unusual ? (Please write **WELL Number** in front of comment)

If a cap pops off: put cap back on, rinse plate with fresh water and blot dry

If you see a positive King Crab, please take a photo, blood sample (use a collection plate well) & 3 Blood Smears.

KEYS:

Spp (species): CO = <i>C. opilio</i> CB = <i>C. bairdi</i> (or write out "opilio"; "bairdi")	Sex: 1 = Male 2 = Female 3 = Unknown	Size: Carapace Width in mm (tenths)	Shell Condition: 0 = Premolt/Molt 1 = Soft Shell 2 = New Shell 3 = Old Shell 4 = Very Old Shell 5 = Graveyard	Bio (Biometrics): MALE: Chela Height in mm (tenths); FEMALE: Clutch (use standard color, condition & fullness codes)	Mat (maturity): M or $\sqrt{=}$ Mature crab (indicate when sampling in sites 1 & 4)	BCS+: P = Visually Positive N = Visually Negative
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2019 EBS & NBS Chionoecetes Index Site Hemolymph Collections - Kodiak / Pathobiology

Plate Number: 24
 Collected By: PCSVCL

Vessel: 162
 Leg: 2

Keys & Comments on back 

Well:	Haul #	Spp	Sex	Size	Shell	Bio	Mat	BCS+
A1	138	Co	2	63.79	2	000	I	-
B1			2	63.73	2	000	I	-
C1			2	41.96	2	000	I	-
D1			2	30.4	2	000	I	-
E1	138	Co	1	95.42	2	17.62	F	-
F1			1	90.48	2	16.34	I	-
G1			1	93.22	2	14.98	F	-
H1			1	95.91	2	18.12	F	-
A2	138	Co	1	72.91	3	16.31	F	-
B2	135	Co	1	79.62	2	17.51	F	-
C2			1	71.99	2	16.46	I	-
D2			1	83.47	2	20.74	I	-
E2			1	87.89	2	21.98	I	-
F2			1	92.60	2	23.59	I	-
G2			1	78.04	2	19.21	I	-
H2			1	86.55	2	21.38	I	-
A3			1	58.8	2	12.66	I	-
B3			1	100.21	2	23.753	I	-
C3			1	81.95	2	15.12	I	-
D3	DO NOT TAKE SAMPLE - CONTROL WELL							
E3			1	95.01	2	24.1	I	-
F3			1	103.3	2	24.97	F	-
G3			1	91.34	2	21.46	F	-
H3			1	95.32	2	15.86	F	-
A4			1	95.29	2	23.62	I	-
B4			1	67.19	2	14.29	I	-
C4			1	88.31	2	22.15	F	-
D4			1	82.35	2	19.16	F	-
E4			1	93.76	2	22.55	F	-
F4			1	95.42	2	22.61	I	-
G4			1	77.8	2	24.12	F	-
H4			1	77.1	2	18.46	I	-
A5			1	77.65	2	16.87	I	-
B5			1	93.1	2	21.59	F	-
C5	135	Co	1	89.53	2	21.15	F	-
D5	134	Co	1	76.92	2	19.42	F	-
E5	134	Co	1	60.02	2	14.87	F	-
F5			1	68.35	3	14.96	I	-
G5	DO NOT TAKE SAMPLE - CONTROL WELL							
H5			1	77.28	2	18.29	I	-
A6			1	81.30	3	18.56	I	-
B6			1	81.13	2	11.29	I	-
C6			1	95.19	2	19.49	I	-
D6			1	70.16	2	15.78	I	-
E6			1	76.03	2	17.34	I	-
F6			1	93.17	2	23.53	I	-
G6			1	76.16	2	17.72	I	-
H6	134	Co	1	91.08	2	20.02	F	-

Well:	Haul #	Spp	Sex	Size	Shell	Bio	Mat	BCS+
A7	134	Co	1	84.11	2	20.68	I	-
B7	134	Co	1	66.9	2	14.44	I	-
C7			1	84.97	2	21.08	I	-
D7			1	88.42	3	11.71	I	-
E7			1	76.09	2	17.96	I	-
F7			1	83.58	2	19.39	I	-
G7			1	56.68	3	12.43	I	-
H7			1	90.37	2	22.8	I	-
A8			1	94.00	2	22.13	I	-
B8			1	77.13	2	18.66	I	-
C8			1	92.92	2	23.24	I	-
D8			1	85.75	2	21.13	I	-
E8			1	85.14	2	19.83	I	-
F8	DO NOT TAKE SAMPLE - CONTROL WELL							
G8			1	93.5	2	17.62	I	-
H8			1	76.10	2	17.56	I	-
A9			1	70.92	4	11.8	I	-
B9			1	54.11	2	11.52	I	-
C9			1	77.12	3	18.33	I	-
D9			1	91.07	3	21.1	I	-
E9			1	50.91	3	18.39	I	-
F9			1	86.35	2	21.62	I	-
G9			1	80.31	2	18.97	I	-
H9			1	88.22	2	20.5	I	-
A10			1	62.77	2	13.82	I	-
B10	DO NOT TAKE SAMPLE - CONTROL WELL							
C10			1	71.36	2	19.06	I	-
D10			1	87.48	2	20.28	I	-
E10			1	80.07	2	18.06	I	-
F10			1	94.47	2	22.0	I	-
G10			1	85.08	3	19.75	I	-
H10			1	79.11	2	19.43	I	-
A11			1	82.51	3	15.18	I	-
B11			1	71.57	2	17.12	I	-
C11			1	70.73	3	16.09	I	-
D11			1	86.82	2	20.55	I	-
E11			1	85.95	2	20.46	I	-
F11			1	68.39	2	15.58	I	-
G11	134	Co	1	61.96	3	13.29	F	-
H11	133	Co	1	58.84	2	13.02	F	-
A12	DO NOT TAKE SAMPLE - CONTROL WELL							
B12	133	Co	1	93.45	2	23.22	I	-
C12			1	72.63	2	16.43	F	-
D12			1	68.24	2	13.68	F	-
E12			1	80.49	2	18.08	I	-
F12			1	68.8	2	16.74	I	-
G12			1	77.96	2	20.41	F	-
H12	133	Co	1	84.48	2	20.86	I	-

30

33 K-23

NOTES: Non-random? Mistakes? Anything Unusual ? (Please write **WELL Number** in front of comment)

If a cap pops off: put cap back on, rinse plate with fresh water and blot dry

If you see a positive King Crab, please take a photo, blood sample (use a collection plate well) & 3 Blood Smears.

KEYS:

Spp (species): CO = <i>C. opilio</i> CB = <i>C. bairdi</i> (or write out "opilio"; "bairdi")	Sex: 1 = Male 2 = Female 3 = Unknown	Size: Carapace Width in mm (tenths)	Shell Condition: 0 = Premolt/Molt 1 = Soft Shell 2 = New Shell 3 = Old Shell 4 = Very Old Shell 5 = Graveyard	Bio (Biometrics): MALE: Chela Height in mm (tenths); FEMALE: Clutch (use standard color, condition & fullness codes)	Mat (maturity): M or v = Mature crab (indicate when sampling in sites 1 & 4)	BCS+: P = Visually Positive N = Visually Negative
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2019 EBS & NBS Chionoecetes Index Site Hemolymph Collections - Kodiak / Pathobiology

Plate Number: 30
 Collected By: WCL/EF

Vessel: 94
 Leg: 2

Keys & Comments on back 

Well: Haul # Spp Sex Size Shell Bio Mat BCS+

Well:	Haul #	Spp	Sex	Size	Shell	Bio	Mat	BCS+
A1	109	Cb	F	55.70	2	000	I	N
B1			F	65.70		000		
C1			M	64.67		7.92		
D1			M	54.90		6.91		
E1			M	59.32		7.99		
F1			M	60.91		8.00		
G1			F	43.11		000		
H1			M	54.55		7.01		
A2			M	61.78		7.85		
B2			F	42.32		000		
C2			M	58.20		7.23		
D2			M	49.84		6.04		
E2			M	62.21		7.83		
F2			F	50.34		000		
G2			M	55.05		7.00		
H2			M	53.40		7.05		
A3			F	47.48		000		
B3			M	67.40		8.91		
C3			M	48.52		6.32		
D3	DO NOT TAKE SAMPLE - CONTROL WELL							
E3			M	38.30		5.02		
F3			M	32.40		3.90		
G3			F	40.35		000		
H3			M	51.25		6.54		
A4			M	67.94		8.04		
B4			M	47.89		6.10		
C4			F	33.67		000		
D4			M	42.37		5.32		
E4			F	48.85		000		
F4			M	68.17		9.37		
G4			F	40.81		000		
H4			M	32.02		4.30		
A5			F	54.81		000		
B5			F	45.78		000		
C5			F	42.88		000		
D5			F	57.83		000		
E5			M	57.40		6.68		
F5			M	40.59		5.70		
G5	DO NOT TAKE SAMPLE - CONTROL WELL							
H5			M	50.88		6.43		
A6			M	42.35		5.14		
B6			M	48.13		5.80		
C6			M	50.77		6.69		
D6	107	Cb	M	122.05	3	24.39	M	N
E6			M	106.18		21.07		
F6			M	136.17		30.41		
G6			M	121.75		30.51		
H6			M	132.14		25.91		

Well: Haul # Spp Sex Size Shell Bio Mat BCS+

Well:	Haul #	Spp	Sex	Size	Shell	Bio	Mat	BCS+
A7	107	Cb	M	143.41	3	33.00	M	N
B7			M	121.23		20.24		
C7			M	123.39		28.79		
D7			M	115.69		25.81		
E7			M	114.50		31.74		
F7			M	175.42		30.08		
G7			M	133.10		29.62		
H7			M	175.38		27.78		
A8			M	136.27	2	29.34		
B8			M	100.77	2	17.88		
C8			M	100.5	2	7.81		
D8			M	136.48	3	28.78		
E8			M	113.54		23.01		
F8	DO NOT TAKE SAMPLE - CONTROL WELL							
G8			M	137.13		29.97		
H8			M	107.00		22.91		
A9			M	131.96		30.25		
B9			M	104.11		18.70		
C9			M	137.07		30.25		
D9			M	110.97		19.30		
E9			M	135.01		33.65		
F9			M	120.75		28.13		
G9			M	133.70		26.74		
H9			M	83.98		30.80		
A10			M	119.87		27.14		
B10	DO NOT TAKE SAMPLE - CONTROL WELL							
C10			M	137.47		30.98		
D10			M	133.91		29.48		
E10			M	123.32		28.72		
F10			F	78.43		4.10		
G10			M	140.89		31.98		
H10			F	78.99		0.01		
A11			F	75.75		4.12		
B11			F	77.51		2.01		
C11	133	Cb	M	55.85	2	12.11	I	N
D11			M	55.25	2	9.59		
E11			M	64.61	2	10.77		
F11			M	58.37	2	9.77		
G11			M	59.20	2	9.38		
H11			M	63.44	2	11.69		
A12	DO NOT TAKE SAMPLE - CONTROL WELL							
B12			F	46.44	2	000	I	(+)
C12			M	60.21	2	9.78		N
D12			M	54.15	2	9.88		
E12			M	57.09	2	9.17		
F12			M	63.75	2	11.06		
G12			M	54.25	2	9.28		
H12			M	52.07	2	8.88		

NOTES: Non-random? Mistakes? Anything Unusual ? (Please write **WELL Number** in front of comment)

CO = C. opilio CB = C. bairdi F9 CID

If a cap pops off: put cap back on, rinse plate with fresh water and blot dry

If you see a positive King Crab, please take a photo, blood sample (use a collection plate well) & 3 Blood Smears.

KEYS:

<p>Spp (species): CO = <i>C. opilio</i> CB = <i>C. bairdi</i> (or write out "opilio"; "bairdi")</p>	<p>Sex: 1 = Male 2 = Female 3 = Unknown</p>	<p>Size: Carapace Width in mm (tenths)</p>	<p>Shell Condition: 0 = Premolt/Molt 1 = Soft Shell 2 = New Shell 3 = Old Shell 4 = Very Old Shell 5 = Graveyard</p>	<p>Bio (Biometrics): MALE: Chela Height in mm (tenths); FEMALE: Clutch (use standard color, condition & fullness codes)</p>	<p>Mat (maturity): M or v = Mature crab (indicate when sampling in sites 1 & 4)</p>	<p>BCS+: P = Visually Positive N = Visually Negative</p>
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2019 EBS & NBS Chironocetes Index Site Hemolymph Collections - Kodiak / Pathobiology

Plate Number: 20

Vessel: 760

Keys & Comments on back

Collected By: ANESG

Leg: 1



Well: Haul # Spp Sex Size Shell Bio Mat BCS+

Well: Haul # Spp Sex Size Shell Bio Mat BCS+

Well:	Haul #	Spp	Sex	Size	Shell	Bio	Mat	BCS+
A1								
B1	59	C. bairdi	1	47.13	2	4.64	Imm	-
C1	59	C. bairdi	2	42.42	2		Imm	-
D1	59	C. bairdi	2	47.46	2		Imm	-
E1	59	C. bairdi	2	38.49	2		Imm	-
F1	59	C. bairdi	2	36.14	2		Imm	-
G1	59	C. bairdi	2	33.86	2	3.63	Imm	-
H1	59	C. bairdi	1	33.96	2	3.84	Imm	-
A2	57	C. bairdi	1	33.05	2	2.97	Imm	-
B2	59	C. bairdi	2	21.49	2		Imm	-
C2	59	C. bairdi	1	31.53	2	3.74	Imm	-
D2	59	C. bairdi	1	33.31	2	3.88	Imm	-
E2	57	C. bairdi	1	11.71	3	21.34	Imm	-
F2	57	C. bairdi	1	75.05	2	7.70	Imm	-
G2	57	C. bairdi	1	72.48	2	7.27	Imm	-
H2	57	C. bairdi	2	65.58	2		Imm	-
A3	57	C. bairdi	2	53.52	2		Imm	-
B3	57	C. bairdi	2	73.46	2		Imm	-
C3	57	C. bairdi	1	48.16	2	4.43	Imm	-
D3	DO NOT TAKE SAMPLE - CONTROL WELL							
E3	57	C. bairdi	1	55.82	2	6.12	Imm	-
F3	57	Cb	2	69.15	2		Imm	+
G3	57	Cb	2	61.19	2		Imm	-
H3	57	Cb	2	52.96	2		Imm	-
A4	57	Cb	1	52.59	2	5.06	Imm	-
B4	57	Cb	2	65.88	2		Imm	+
C4	57	Cb	1	58.2	2	5.45	Imm	-
D4	57	Cb	2	50.67	2		Imm	-
E4	57	Cb	2	35.36	2		Imm	-
F4	57	Cb	1	41.36	2	5.43	Imm	-
G4	57	Cb	1	31.22	2	3.46	Imm	-
H4	60	Cb	2	62.71	2		Imm	+
A5	60	Cb	1	42.81	2		Imm	-
B5	60	Cb	2	50.31	2		Imm	-
C5	60	Cb	1	54.41	2	7.73	Imm	-
D5	60	Cb	1	44.82	2	5.47	Imm	-
E5	60	Cb	2	33.40	2		Imm	-
F5	60	Cb	2	34.00	2		Imm	-
G5	DO NOT TAKE SAMPLE - CONTROL WELL							
H5	60	Cb	2	4.21	2		Imm	-
A6	60	Cb	1	31.99	2	3.57	Imm	-
B6	60	Cb	2	35.49	2		Imm	-
C6	60	Cb	1	44.22	2	5.45	Imm	-
D6	60	Cb	1	30.79	2	3.47	Imm	-
E6	60	Cb	2	30.45	2		Imm	-
F6	114	Co	1	41.4	2	4.7	Imm	-
G6	114	Co	1	89.63	2	21.96	Imm	-
H6	114	Co	1	71.38	2	19.36	Imm	-

Well:	Haul #	Spp	Sex	Size	Shell	Bio	Mat	BCS+
A7	114	Co	1	58.33	2	12.65	Imm	-
B7				76.46	2	17.81	Imm	-
C7				75.41	2	17.42	Imm	-
D7				60.49	2	14.32	Imm	-
E7				71.10	2	14.67	Imm	-
F7				73.04	2	12.79	Imm	-
G7				79.47	2	19.96	Imm	-
H7	∇	∇	∇	59.45	2	11.99	x	-
A8				82.42	2	15.74	Imm	-
B8				66.73	2	14.87	Imm	-
C8				79.15	2	15.63	Imm	-
D8				71.16	3	16.59	Imm	-
E8	∇	∇	∇	84.28	2	19.66	∇	-
F8	DO NOT TAKE SAMPLE - CONTROL WELL							
G8				68.75	3	14.02	Imm	-
H8				26.17	2	14.62	∇	-
A9				70.33	3	14.19	Imm	-
B9	114	Co	1	62.73	2	15.28	Imm	-
C9	114	Co	1	85.42	2	16.12	Imm	-
D9	118	Co	1	76.33	2	17.52	Imm	-
E9	118	Co	1	83.87	2	23.65	Imm	-
F9	119	Co	1	156	3	17.45	Imm	-
G9	119	Co	1	74.82	2	16.83	Imm	-
H9				59.17	3	11.89	Imm	-
A10				86.68	2	20.19	Imm	-
B10	DO NOT TAKE SAMPLE - CONTROL WELL							
C10				85.04	2	20.37	Imm	-
D10				80.76	2	17.90	Imm	-
E10				83.59	2	19.98	Imm	-
F10				79.86	2	14.40	Imm	-
G10				59.01	2	12.44	Imm	-
H10	∇	∇	∇	89.40	2	20.77	∇	-
A11				89.56	2	22.39	Imm	-
B11				83.17	2	20.15	Imm	-
C11				68.69	3	15.72	Imm	-
D11				80.44	2	18.06	Imm	-
E11				73.09	3	16.61	Imm	-
F11				89.76	2	24.05	∇	-
G11				65.73	2	15.89	Imm	-
H11	∇	∇	∇	79.62	2	19.99	∇	-
A12	DO NOT TAKE SAMPLE - CONTROL WELL							
B12				66.78	3	14.55	Imm	-
C12				64.43	3	13.50	Imm	-
D12				61.50	2	13.95	Imm	-
E12				75.5	2	17.56	Imm	-
F12				62.27	3	14.01	Imm	-
G12	∇		∇	88.53	2	18.85	∇	-
H12	112	Co	1	61.19	2	12.46	Imm	-

NOTES: Non-random? Mistakes? Anything Unusual? (Please write **WELL Number** in front of comment)

A1 → Since it was pink we didn't remember to still use it & therefore skipped it. No sample in A1

If a cap pops off: put cap back on, rinse plate with fresh water and blot dry

If you see a positive King Crab, please take a photo, blood sample (use a collection plate well) & 3 Blood Smears.

KEYS:

Spp (species): CO = <i>C. opilio</i> CB = <i>C. bairdi</i> (or write out "opilio"; "bairdi")	Sex: 1 = Male 2 = Female 3 = Unknown	Size: Carapace Width in mm (tenths)	Shell Condition: 0 = Premolt/Molt 1 = Soft Shell 2 = New Shell 3 = Old Shell 4 = Very Old Shell 5 = Graveyard	Bio (Biometrics): MALE: Chela Height in mm (tenths); FEMALE: Clutch (use standard color, condition & fullness codes)	Mat (maturity): M or v = Mature crab (indicate when sampling in sites 1 & 4)	BCS+: P = Visually Positive N = Visually Negative
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2019 EBS & NBS *Chionoecetes* Index Site Hemolymph Collections - Kodiak / Pathobiology

Plate Number: 35

Vessel: 94

Keys & Comments on back

Collected By: WCLIEP

Leg: 2



Well: Haul # Spp Sex Size Shell Bio Mat BCS+

Well: Haul # Spp Sex Size Shell Bio Mat BCS+

Well:	Haul #	Spp	Sex	Size	Shell	Bio	Mat	BCS+
A1	107	C.b.	M	37.20	2	4.54	I	N
B1			F	30.92		000		
C1			M	38.09		4.66		
D1			F	36.97		000		
E1			M	41.25		5.02		
F1			M	36.49		No data		
G1			M	33.90		4.29		
H1			F	30.52		000		
A2			M	38.28		4.52		
B2			M	29.63		3.56		
C2			F	36.93		000		
D2			F	43.34		000		
E2			F	31.27		000		
F2			F	41.65		000		
G2			F	42.02		000		
H2			M	40.55		4.97		
A3			F	36.72		000		
B3			F	29.41		000		
C3			F	36.67		000		
D3	DO NOT TAKE SAMPLE - CONTROL WELL							
E3			M	44.43		6.27		
F3			F	37.98		000		
G3			M	28.66		3.70		
H3	108	C.b.	M	113.80	3	L:24.16	M	N
A4			M	40.10	3	32.65		
B4			M	20.93	3	28.36		
C4			M	98.26	3	19.91		
D4			M	107.86	2	20.39		
E4			M	106.00	3	21.61		
F4			F	63.25	2	415		
G4			M	115.78	2	22.11		
H4			F	69.82	2	415		
A5			M	87.42	2	19.43		
B5			F	70.14	2	416		
C5			F	66.70	2	415		
D5			F	74.90	2	416		
E5			F	63.68	2	415		
F5			F	70.47	2	415		
G5	DO NOT TAKE SAMPLE - CONTROL WELL							
H5			F	74.88	2	415		
A6			F	80.02	4	224		
B6	109	C.b.	M	59.09	2	7.41	I	N
C6			F	60.72		000		
D6			F	53.93		000		
E6			M	67.20		8.51		
F6			F	48.42		000		
G6			F	41.02		000		(+)
H6			F	58.14		00		

Well:	Haul #	Spp	Sex	Size	Shell	Bio	Mat	BCS+
A7	109	C.b.	M	73.19	2	9.89	I	N
B7			F	64.78		000		
C7			F	47.06		000		
D7			M	31.96		3.77		
E7			F	38.04		000		
F7			M	61.32		7.95		
G7			F	56.44		000		
H7			M	50.10		6.63		
A8			F	52.31		000		
B8			F	59.67		000		
C8			F	54.77		000		
D8			F	32.42		000		
E8			M	60.92		9.03		
F8	DO NOT TAKE SAMPLE - CONTROL WELL							
G8			M	55.56		7.19		
H8			F	36.84		000		
A9			M	68.32		9.45		
B9			M	48.34		6.07		
C9			M	42.43		4.95		(+)
D9			F	32.49		000		N
E9			M	54.22		6.81		
F9			F	47.90		000		
G9			M	47.68		5.84		
H9			F	39.15		000		
A10			M	45.50		5.28		
B10	DO NOT TAKE SAMPLE - CONTROL WELL							
C10			F	58.22		000		
D10			F	53.72		000		
E10			F	56.49		000		
F10	113	C.b.	F	33.47	2	000	I	N
G10			M	73.78		9.13		
H10	112	C.b.	M	32.63	2	6.37		
A11			M	32.30		4.07		
B11			M	32.72		3.93		
C11			F	50.97		000		
D11			F	43.37		000		
E11			F	38.33		000		
F11			M	43.77		5.110		
G11			M	32.50		3.79		
H11	109	C.b.	M	59.10	2	7.22		
A12	DO NOT TAKE SAMPLE - CONTROL WELL							
B12	109	C.b.	F	50.74	2	000	I	N
C12			M	75.110		9.97		
D12			F	48.09		000		
E12			M	60.04		7.94		
F12			M	47.02		10.01		
G12			F	58.24		000		
H12			F	43.11		000		

NOTES: Non-random? Mistakes? Anything Unusual? (Please write **WELL Number** in front of comment)

PL = 33, 12

Had 100 - Five BCS - 1000 lbs thrown over - thought it

was a mature station and could really use

for back-up gene exp collections - sorry Pam!

PL = 100's

If a cap pops off: put cap back on, rinse plate with fresh water and blot dry

If you see a **positive King Crab**, please take a photo, blood sample (use a collection plate well) & 3 Blood Smears.

KEYS:

Spp (species): CO = <i>C. opilio</i> CB = <i>C. bairdi</i> (or write out "opilio"; "bairdi")	Sex: 1 = Male 2 = Female 3 = Unknown	Size: Carapace Width in mm (tenths)	Shell Condition: 0 = Premolt/Molt 1 = Soft Shell 2 = New Shell 3 = Old Shell 4 = Very Old Shell 5 = Graveyard	Bio (Biometrics): MALE: Chela Height in mm (tenths); FEMALE: Clutch (use standard color, condition & fullness codes)	Mat (maturity): M or v = Mature crab (indicate when sampling in sites 1 & 4)	BCS+: P = Visually Positive N = Visually Negative
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2019 EBS & NBS Chironoceres Index Site Hemolymph Collections - Kodiak / Pathobiology

Plate Number: 38 32
 Collected By: WLL + JR

Vessel: 94
 Leg: _____

Keys & Comments on back 

Well:	Haul #	Spp	Sex	Size	Shell	Bio	Mat	BCS+
A1	31	CB	F	45.53	2	0.00	000	N
B1	31	CB	M	51.03	2	6.60	Imm	N
C1	36		F	52.21	2	0.00	I	
D1	36		F	52.82	2	0.00	I	
E1	36		M	50.22	2	6.06		
F1	37		M	47.83	2	5.61		
G1	37		F	54.67	2	0.00		
H1	37		M	48.24	2	6.18		
A2	34		F	35.99	2	0.00		
B2	34		F	79.77	2	0.00		
C2	34		M	68.15	2	9.29		
D2	34		M	51.58	2	6.36		
E2	34		M	54.50	2	6.58		
F2	34		M	71.36	2	9.13		
G2	34		F	68.75	2	0.00		
H2	34		F	20.47	2	0.00		
A3	34		F	40.57	2	0.00		
B3	34		F	56.25	2	0.00		
C3	34		M	58.97	2	7.59		
D3	DO NOT TAKE SAMPLE - CONTROL WELL							
E3	34		M	49.56	2	6.08		
F3	34		M	78.11	2	11.63		
G3	34		M	76.58	2	10.54		
H3	34		F	47.93	2	0.00		
A4	34		M	53.42	2	6.69		
B4	34		F	39.16	2	0.00		
C4	34		M	95.11	2	18.00		
D4	34		F	51.66	2	0.00		
E4	34		M	65.61	2	8.69		
F4	34		M	64.50	2	8.36		
G4	34		F	49.83	2	0.00		
H4	34		F	51.93	2	0.00		
A5	34		F	47.53	2	0.00		
B5	34		F	81.21	2	0.00		
C5	34		M	60.93	2	7.36		
D5	34		M	62.21	2	8.65		
E5	34		M	53.16	2	6.44		
F5	34		F	38.28	2	0.00		
G5	DO NOT TAKE SAMPLE - CONTROL WELL							
H5	34		F	43.64	2	0.00		
A6	34		M	74.95	2	10.04		
B6	34		M	47.58	2	5.71		
C6	34		F	55.01	2	0.00		
D6	34		F	54.22	2	0.00		
E6	34		M	52.04	2	6.61		
F6	34		F	50.91	2	0.00		
G6	34		M	69.04	2	9.20		
H6	34		M	65.02	2	7.83		

Well:	Haul #	Spp	Sex	Size	Shell	Bio	Mat	BCS+
A7	34	CB	F	59.14	2	0.00	Imm	N
B7	34	CB	F	45.46	2	0.00	Imm	
C7	34	CB	M	50.09	2	6.11		
D7	34	CB	M	75.96	2	9.87		
E7	34	CB	M	65.87	2	8.84		
F7	34	CB	M	89.58	2	12.16		
G7	34	CB	M	45.49	2	5.62		
H7	34	CB	M	44.21	2	5.32		
A8	34	CB	M	35.32	2	3.98		
B8	34	CB	M	34.50	2	4.03		
C8	34	CB	M	34.38	2	4.39		
D8	34	CB	M	40.76	2	5.23		
E8	66		F	71.90	2	0.00	I	M
F8	DO NOT TAKE SAMPLE - CONTROL WELL							
G8	66		M	56.91	2	7.03		
H8	66		F	53.87	2	0.00		
A9	66		M	33.54	2	4.16		
B9	66		F	36.80	2	0.00		
C9	66		M	41.20	2	5.45		
D9	66		M	83.59	2	11.71		
E9	66		F	56.27	2	0.00		
F9	66		F	69.31	2	0.00		
G9	66		F	59.11	2	0.00		
H9	66		M	73.75	2	9.62		
A10	66		F	54.42	2	0.00		
B10	DO NOT TAKE SAMPLE - CONTROL WELL							
C10	66		F	57.54	2	0.00		
D10	66		M	30.97	2	4.13		
E10	66		M	72.59	2	7.65		
F10	66		F	35.93	2	0.00		
G10	66		F	62.19	2	0.00		
H10	66		F	33.68	2	0.00		
A11	66		M	34.19	2	4.52		
B11	66		M	53.90	2	6.92		
C11	66		M	82.19	2	11.02		
D11	66		M	60.83	2	8.06		
E11	66		M	60.81	2	8.62		
F11	66		F	35.91	2	0.00		
G11	66		M	48.00	2	6.78		
H11	66		F	30.25	2	0.00		
A12	DO NOT TAKE SAMPLE - CONTROL WELL							
B12	66		F	77.49	2	0.00		
C12	66		F	36.50	2	0.00		
D12	66		F	34.06	2	0.00		
E12	66		M	63.65	2	8.25		
F12	66		F	33.02	2	0.00		
G12	66		M	81.01	2	11.24		
H12	66		F	71.46	2	0.00		

Column 1
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Column 7
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 Column 11
 Column 12

NOTES: Non-random? Mistakes? Anything Unusual ? (Please write **WELL Number** in front of comment)

H2-0.1mL

If a cap pops off: put cap back on, rinse plate with fresh water and blot dry


If you see a positive King Crab, please take a photo, blood sample (use a collection plate well) & 3 Blood Smears.

KEYS:

Spp (species): CO = <i>C. opilio</i> CB = <i>C. bairdi</i> (or write out "opilio"; "bairdi")	Sex: 1 = Male 2 = Female 3 = Unknown	Size: Carapace Width in mm (tenths)	Shell Condition: 0 = Premolt/Molt 1 = Soft Shell 2 = New Shell 3 = Old Shell 4 = Very Old Shell 5 = Graveyard	Bio (Biometrics): MALE: Chela Height in mm (tenths); FEMALE: Clutch (use standard color, condition & fullness codes)	Mat (maturity): M or v = Mature crab (indicate when sampling in sites 1 & 4)	BCS+: P = Visually Positive N = Visually Negative
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Plate Number: 33
 Collected By: WLF/JR

Vessel: 94
 Leg: 1-2

Keys & Comments on back 

Well:	Haul #	Spp	Sex	Size	Shell	Bio	Mat	BCS+
A1	66	Cb	M	67.88	2	436	R	N
B1	66		F	54.96	2	000		
C1	66		F	57.57	2	000		
D1	66		F	72.28	2	000		
E1	66		M	35.47	2	430		
F1	66		F	74.11	2	000		
G1	66		F	54.13	2	000		
H1	66		M	57.05	2	748		
A2	66		F	35.21	2	000		
B2	66		F	37.72	2	000		
C2	66		F	30.41	2	000		
D2	81	Cb	M	124.29	3	27.76	M	N
E2	81			124.39	3	28.01		
F2	81			122.32	4	4.66		
G2	81			135.30	4	4.33		
H2	79	Cb	M	113.73	3	25.02	M	N
A3				141.49	4	4.31		
B3				120.07	4	27.01		
C3	83	Cb	M	102.52	4	19.67	M	N
D3	DO NOT TAKE SAMPLE - CONTROL WELL							
E3				119.85	4	20.08		
F3				103.71	4	19.56		
G3				136.59	4	30.07		
H3				110.50	4	20.72		
A4				126.29	4	4.16		
B4				137.68	4	30.35		
C4				120.73	4	25.53		
D4				150.04	4	28.30		
E4				130.00	4	30.18		
F4				94.02	4	4.13		
G4				130.75	4	31.75		
H4				97.82	3	17.17		
A5				118.40	3	22.86		
B5				127.06	4	29.35		
C5	86	Cb	M	110.51	4	21.53	M	N
D5				113.25	4	27.31		
E5				106.46	4	23.08		
F5				121.50	4	4.28		
G5	DO NOT TAKE SAMPLE - CONTROL WELL							
H5	85	Cb	M	124.02	3	26.42	M	N
A6				124.20	3	24.86		
B6				133.47	4	27.92		
C6				106.98	3	21.15		
D6				135.65	4	28.41		
E6	84	Cb	M	139.87	4	52.70	M	N
F6				124.63	4	26.35		
G6				124.35	4	29.21		
H6				121.58	3	25.51		

Well:	Haul #	Spp	Sex	Size	Shell	Bio	Mat	BCS+
A7	84	Cb	M	112.26	4	22.26	M	N
B7				124.75	4	26.48		
C7	80	Cb	M	141.2	3	21.82	M	N
D7				116.35	4	26.57		
E7				142.49	3	32.63		
F7				130.25	3	29.96		
G7				122.30	3	27.62		
H7				127.56	4	31.62		
A8				131.13	3	31.03		
B8				124.75	3	27.08		
C8				135.94	3	31.89		
D8				130.83	3	28.23		
E8				140.02	3	32.44		
F8	DO NOT TAKE SAMPLE - CONTROL WELL							
G8				124.52	3	27.88		
H8				120.04	3	24.52		
A9				104.33	2	23.97		
B9				119.98	3	26.78		
C9				116.70	2	22.68		
D9				130.94	3	30.49		
E9				128.40	3	30.10		
F9				123.36	3	27.32		
G9				119.56	3	24.46		
H9				106.52	3	21.69		
A10				127.83	3	28.39		
B10	DO NOT TAKE SAMPLE - CONTROL WELL							
C10				115.78	4	25.65		
D10				116.70	3	28.59		
E10				123.47	3	28.05		
F10				142.23	3	27.86		
G10				138.32	4	33.33		
H10				117.46	3	27.87		
A11				126.94	4	29.17		
B11				118.48	3	24.49		
C11				120.09	3	24.74		
D11				105.63	4	24.60		
E11				132.43	3	31.19		
F11				112.91	4	26.84		
G11				133.95	3	28.74		
H11				118.08	3	26.13		
A12	DO NOT TAKE SAMPLE - CONTROL WELL							
B12				108.85	3	21.89		
C12				138.75	4	33.24		
D12				124.22	4	26.73		
E12	106	Cb	N	129.63	3	29.89	M	N
F12				137.26	3	31.96		
G12				133.78	3	28.07		
H12				117.62	3	24.97		

Column 1
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86
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NOTES: Non-random? Mistakes? Anything Unusual ? (Please write WELL Number in front of comment)

Lined area for handwritten notes.

If a cap pops off: put cap back on, rinse plate with fresh water and blot dry

If you see a positive King Crab, please take a photo, blood sample (use a collection plate well) & 3 Blood Smears.

KEYS:

<p>Spp (species): CO = C. opilio CB = C. bairdi (or write out "opilio"; "bairdi")</p>	<p>Sex: 1 = Male 2 = Female 3 = Unknown</p>	<p>Size: Carapace Width in mm (tenths)</p>	<p>Shell Condition: 0 = Premolt/Molt 1 = Soft Shell 2 = New Shell 3 = Old Shell 4 = Very Old Shell 5 = Graveyard</p>	<p>Bio (Biometrics): MALE: Chela Height in mm (tenths); FEMALE: Clutch (use standard color, condition & fullness codes)</p>	<p>Mat (maturity): M or v = Mature crab (indicate when sampling in sites 1 & 4)</p>	<p>BCS+: P = Visually Positive N = Visually Negative</p>
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Plate Number: 34

Vessel: 94

Keys & Comments on back



Collected By: WLLIFF

Leg: 2

Well: Haul # Spp Sex Size Shell Bio Mat BCS+

Well: Haul # Spp Sex Size Shell Bio Mat BCS+

Well	Haul #	Spp	Sex	Size	Shell	Bio	Mat	BCS+
A1	105	C.b	M	125.88	3	27.94	M	N
B1				181.65	3	29.78		
C1				118.14	3	25.19		
D1				140.87	3	33.63		
E1				123.40	3	26.77		
F1				126.95	3	31.35		
G1				129.15	3	30.58		
H1				128.06	3	28.82		
A2				122.89	3	25.70		
B2				125.56	3	26.41		
C2				113.28	3	22.20		
D2				132.14	3	34.75		
E2				100.02	3	23.62		
F2				116.14	3	23.18		
G2				126.95	3	30.70		
H2				97.09	3	18.81		
A3				132.77	3	30.82		
B3				129.01	3	31.06		
C3				131.56	3	30.82		
D3	DO NOT TAKE SAMPLE - CONTROL WELL							
E3			F	84.69	4	44		
F3			M	44.32	2	5.57	I	
G3			J	44.88	2	5.69	I	
H3			F	35.06	2	0.00	I	
A4	104		M	125.72	3	28.52	M	N
B4				111.27	3	20.30		
C4				110.62	3	24.43		
D4				131.40	3	31.29		
E4				126.13	3	26.10		
F4				111.44	3	24.12		
G4				116.56	3	21.42		
H4				124.33	3	26.67		
A5				125.22	3			
B5				133.11	3	32.04		
C5				111.39	3	25.06		
D5				138.18	3	29.17		
E5				133.35	3	32.68		
F5				115.00	3	29.73		
G5	DO NOT TAKE SAMPLE - CONTROL WELL							
H5				123.01	3	27.66		
A6				93.96	3	17.33		
B6				100.50	3	18.94		
C6	103		F	121.13	3	27.39	M	N
D6				118.65	3	26.74		
E6				122.54	3	26.95		
F6				111.53	3	24.92		
G6				140.99	3	29.95		
H6				118.08	3	22.59		

Well	Haul #	Spp	Sex	Size	Shell	Bio	Mat	BCS+
A7	103	C.b	M	125.87	3	30.12	M	N
B7				118.39	3	27.20		
C7				127.48	3	28.30		
D7				135.18	3	33.17		
E7				84.54	3	15.00		
F7				99.22	3	19.53		
G7				110.34	3	23.50		
H7				119.28	3	23.52		
A8				88.76	3	14.79		
B8				95.71	4	19.56		
C8				121.34	3	28.89		
D8				121.51	3	26.92		
E8				99.52	3	20.03		
F8	DO NOT TAKE SAMPLE - CONTROL WELL							
G8				105.67	3	22.12		
H8				100.76	3	20.62		
A9				128.73	3	23.09		
B9				121.33	3	28.72		
C9				127.06	3	24.63		
D9				117.41	3	25.97		
E9				130.23	3	30.45		
F9				124.46	3	26.89		
G9				113.90	3	23.16		
H9				138.92	3	31.34		
A10	111	C.b	F	21.15	2	000	I	N
B10	DO NOT TAKE SAMPLE - CONTROL WELL							
C10			M	28.84	1	3.80		
D10			M	30.59		3.68		
E10			F	33.91		000		
F10			F	33.28		000		
G10			F	68.71		000		
H10			F	31.94		000		
A11			M	31.73		3.85		
B11			F	33.21		000		
C11			M	34.77		4.07		
D11			M	36.43		3.59		
E11			F	33.98		000		
F11			F	67.14		000		
G11			M	31.71		3.80		
H11			M	30.42		3.45		
A12	DO NOT TAKE SAMPLE - CONTROL WELL							
B12			M	55.51		6.33		
C12			M	30.57		3.85		
D12			F	34.23		000		
E12			M	31.71		3.90		
F12			M	31.19		3.97		
G12			F	32.27		000		
H12			M	32.51		3.72		

NOTES: Non-random? Mistakes? Anything Unusual ? (Please write **WELL Number** in front of comment)

B 10 + B 12 0.1 cc only

If a cap pops off: put cap back on, rinse plate with fresh water and blot dry

If you see a positive King Crab, please take a photo, blood sample (use a collection plate well) & 3 Blood Smears.

KEYS:

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