



2015 *Chloroocetes opilio* Collection - Pathobiology *Hematodinium* Project
 Negative crabs - Control Group - 2 black zip ties

Plate # 47

Collected by Nick + Nikki

Date 10/27/15



Record date in first & last well (all wells 'in between' should be used on same data). Record tag #s in each 'well' & any comments on back of form. Begin in A1 & proceed down column to B1, C1, etc. Proceed to column 2 when column 1 is full.

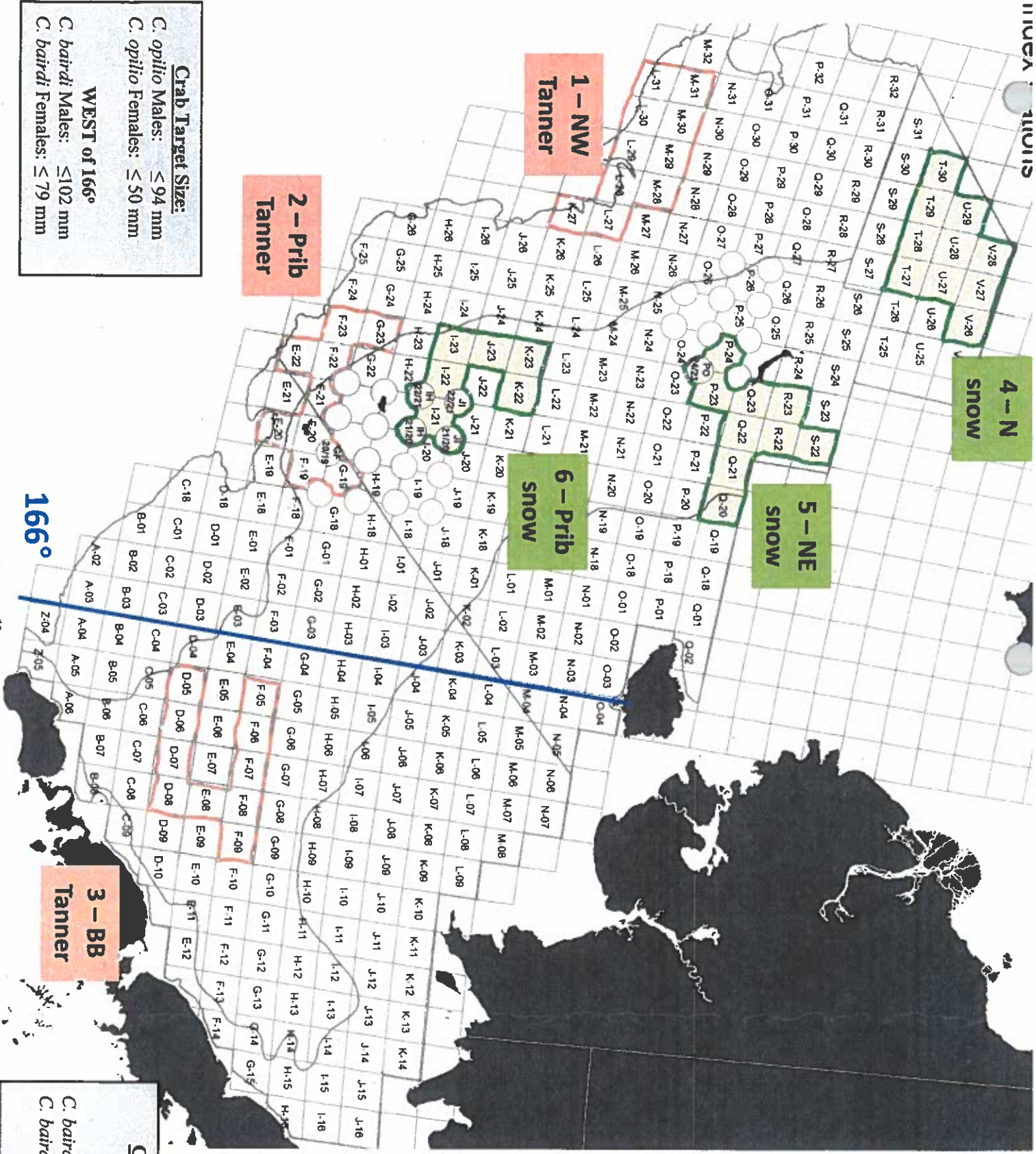
fill down

	1	2	3	4	5	6	7	8	9	10	11	12
A	2836, 2045	2857, 2860										Do not Sample
B	2852, 2856	2018, 2023								Do not Sample		
C	2848, 2894	2889, 2891										
D	2010, 2015		Do not Sample									
E	2877, 2896											
F	2884, 2898							Do not Sample				
G	2005, 2019				Do not Sample							
H	2859, 2861											





2015 BCS
Index Sites
 *C. opilio*
 *C. bairdi*



Crab Target Size:
C. opilio Males: ≤ 94 mm
C. opilio Females: ≤ 50 mm
WEST of 166°
C. bairdi Males: ≤ 102 mm
C. bairdi Females: ≤ 79 mm

Crab Target Size:
EAST of 166°
C. bairdi Males: ≤ 112 mm
C. bairdi Females: ≤ 84 mm

0

0

0

2015 EBS SHELF Survey: Bitter Crab – Kodiak / Pathobiology

The goal is to collect **200 blood samples** within each index site. There are **3 index sites** assigned to *Chionoecetes opilio*, and **3 to *C. bairdi***. Within each index site, there are **10 stations** (see below & index station map). Collect **20 blood samples** of the specified species at designated stations. If you cannot collect 20 at a station, make up the difference at the next station within the index site.

1. Refer to BCS Index Site and Station map. When on a station, randomly sample **immature** crabs regardless of sex. See below and the index station map for *C. opilio* and *C. bairdi* target sizes. It is **very important** to obtain 20 crabs/station! Crab leads: please keep in touch with each other to ensure that the 200 crab collection goals are met at each index site.
2. For small (<30mm) crabs, try to collect blood at an arthroal membrane or by using cardiac puncture method. If unable to withdrawal blood, freeze whole crab. Write vessel and haul number on a specimen label, place whole animal inside a bag with label on the inside facing out. **Freeze crabs individually!!!!**

Index Site Stations:

- 1 – NW Tanner: K-27, L-27, L-28, M-28, L-29, M-29, L-30, M-30, L-31, M-31
- 2 – Prib Tanner: F-19, G-19, GF-20/19, E-20, F-20, F-21, E-22, F-22, F-23, G-23
- 3 – BB Tanner: F-09, D-08, E-08, F-08, D-07, F-07, D-06, F-06, D-05, F-05
- 4 – N Snow: V-26, T-27, U-27, V-27, T-28, U-28, V-28, T-29, U-29, T-30
- 5 – NE Snow: Q-20, Q-21, Q-22, R-22, S-22, P-23, Q-23, R-23, PO-24/23, P-24
- 6 – Prib Snow: IH-21/20, JI-21/20, I-21, IH-22/21, JI-22/21, I-22, K-22, I-23, J-23, K-23

Crab Target Size:

<i>C. opilio</i> Males:	≤ 94 mm
<i>C. opilio</i> Females:	≤ 50 mm
EAST of 166°	
<i>C. bairdi</i> Males:	≤ 112 mm
<i>C. bairdi</i> Females:	≤ 84 mm
WEST of 166°	
<i>C. bairdi</i> Males:	≤ 102 mm
<i>C. bairdi</i> Females:	≤ 79 mm

Chionoecetes Blood Collection

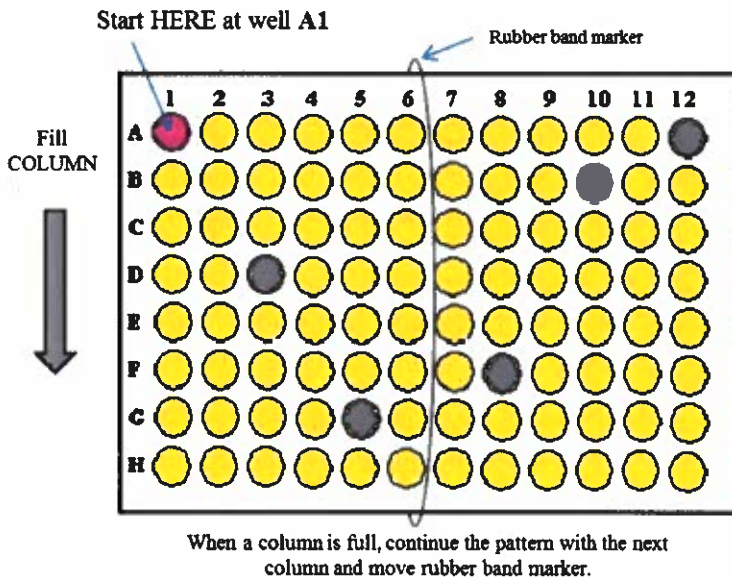
Crabs can be kept in baskets inside the live tank until you are ready to sample. If crabs have been sitting on deck for a long time during haul processing, they may be more difficult to withdrawal blood. You can let them “soak” in the live tank until the next haul is complete. **NOTE: Crab samples must be random; please do not cherry pick crabs based on their visual status.**

Sample collection in Ethanol:

1. Enter crab data onto provided datasheets. Data should include the vessel, leg, and collection plate number, your name, haul number, species, sex, size (carapace width in mm), shell condition, chela height (mm; optional), and **note if crab looks visually BCS+ or BCS-**. Use calipers to measure all lengths and record in mm.
2. Obtain a clean syringe with attached needle. Choose a region of the crab where the arthroal membrane is exposed and insert the needle (a good spot is where the legs meet the carapace). Pull back on the plunger to extract blood; you may need to move the needle around to locate a sinus. **Do not collect more than 0.2 mL blood!** If the blood is brownish-yellow, you have sucked up hepatopancreas with the blood and the sample must be discarded. Obtain a new syringe and try again.
3. Insert the needle into the colored well plug (cap) and eject the blood into the well prefilled with ethanol. Pull out the needle (the well plug will reseal itself). If you find that the plug is loose or comes out, try removing air from the well with the syringe before injecting the blood sample. Do not remove any ethanol. Do **not** use wells A12, B10, D3, F8 or G5 (grey-colored caps).
4. Remove needle from the syringe using the needle remover on the sharps container, trap the plastic part of the needle in the V and twist off the syringe. Used syringes and wrappers may be placed in trash. Extra plastic “trash” bags are provided to include in the caddy. Also, once all of the syringes are gone, use the plastic bag as a trash bag.
5. Start all plates with the well marked **A1 (pink cap)** then proceed **down column 1** to B1, C1 etc. When **column 1** is full, move to well **A2** and continue filling **column 2** etc. Use this pattern for all plates. When a column is complete move the rubber band over the well plugs to the next column to help you keep track of where you are on the plate. If it helps, mark the top of the plug with a sharpie to show that the well has been filled, preferably on the edge of the plug. If you have any problems, comments, or mistakes, note the well number and any information on the back of the datasheet.



6. Periodically invert the plate to mix the blood and ethanol.
7. When a plate is full, replace in Ziploc bag and seal. Stack and store in the gray 5-gal bucket. Buckets will be sent back to Seattle in EBS Survey shipping containers at the end of Leg 3. Please coordinate hazmat with shipping contact personnel:
Grey buckets contain: 0.768 L 100% Ethanol (10 collection plates; 76.8 mL 100 % Ethanol per plate)
8. If you see a **King Crab** that could be infected with *Hematodinium*, please do the following: Please take a blood sample (just use a *Chionoecetes* well) and take **3 blood smears**. Label Slide: In pencil, write the **collection plate well number** on the white frosted end of a new microscope slide. Withdraw blood using a syringe and dispense 2 drops of blood near the edge of the non-frosted end of the microscope slide. Take a second slide, place it at a 30°-45° angle, place it so it touches the inner edge of the drop of blood and then drag the “smearing” slide toward the frosted end of the slide with a smooth and steady motion. Drag blood, don’t push it. Set smears aside and allow to dry, try to avoid all water splash while making smears. When done, set smears inside to dry. Used “smearing” slides can be disposed of in a container labeled “Used Smearing Slides”. When the container is full, cover the opening and tape the lid to the container for shipping back to Seattle. After the slides are completely dry, place in slide box.
9. At the end of the survey, combine any frozen crab from both boats. Check with the deck boss to see if you can add the frozen crab to other Seattle-bound frozen shipments. If not, please ship frozen crab to Seattle using Coastal Transportation. Bill of Lading info: Christie Lang, 7600 Sand Point Way NE, Seattle WA, 206-526-6715. Send shipment COD.



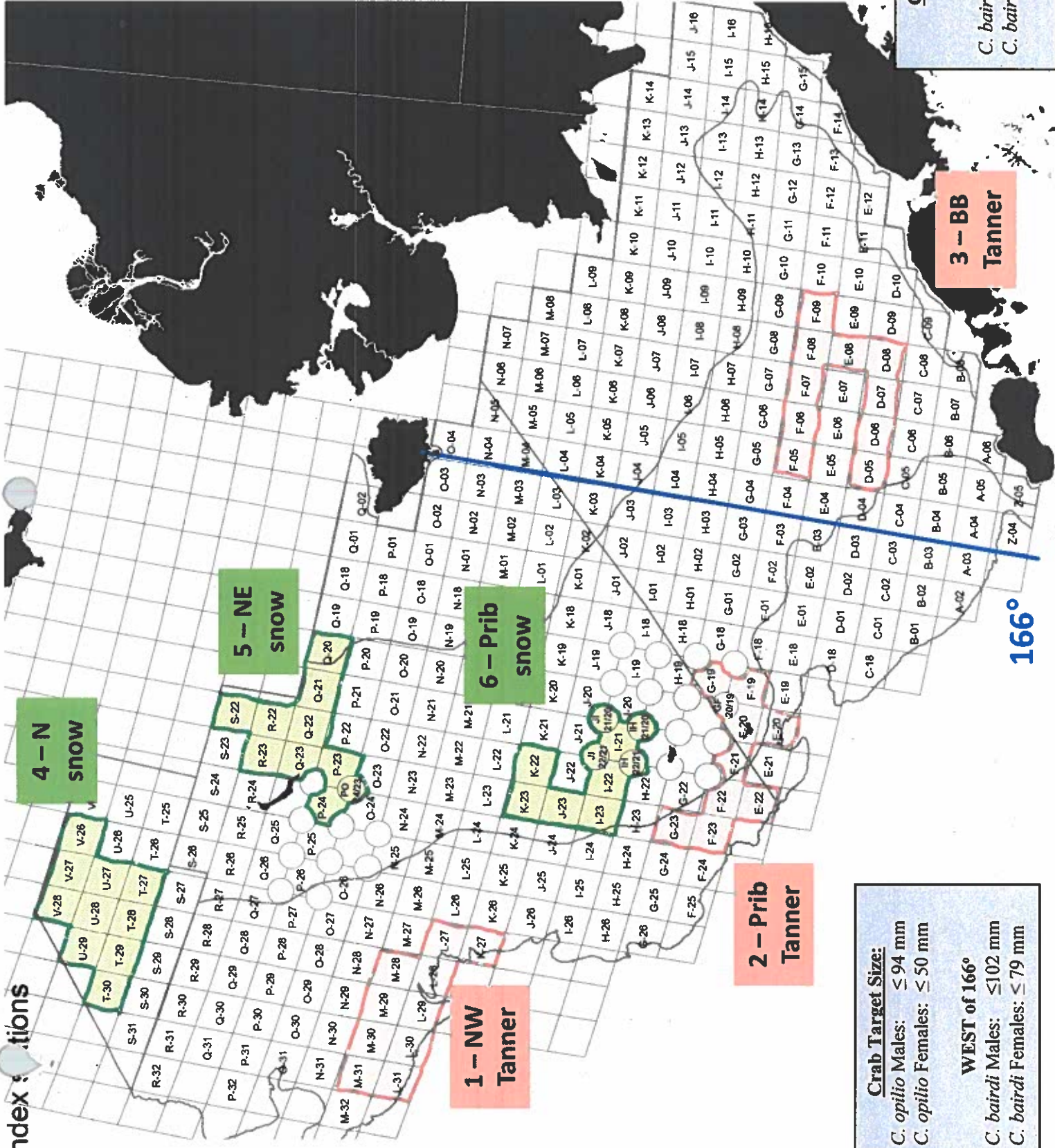
Recommended Caddy Contents:

- Collection plate
- Sharps container
- Bag of unused syringes
- Plastic bag for used syringes and wrappers
- Plastic bags for small crabs (freezing)
- Specimen label booklet (freezing)



2015 BCS
Index Sites

- *C. opilio*
- *C. bairdi*



Crab Target Size:
 EAST of 166°
C. bairdi Males: ≤112 mm
C. bairdi Females: ≤ 84 mm

**3 - BB
Tanner**

166°

Crab Target Size:
C. opilio Males: ≤ 94 mm
C. opilio Females: ≤ 50 mm
WEST of 166°
C. bairdi Males: ≤102 mm
C. bairdi Females: ≤ 79 mm

**1 - NW
Tanner**

**2 - Prib
Tanner**

**5 - NE
snow**

**6 - Prib
snow**

**4 - N
snow**



2015 EBS SHELF Survey: *Chionoecetes opilio* LIVE collection – Kodiak / Pathobiology Leg 3 – Alaska Knight

The goal is to collect 50 LIVE immature male *Chionoecetes opilio* outside of Pathobiology index sites on LEG 3, Alaska Knight.

Collections:

- 1) During Leg 3, select 50 immature male *C. opilio* between 50 & 75 mm carapace width that appear to be in good shape (look healthy, have all limbs)
- 2) Please do **not** take crab from the Index Site stations:

Index Site Stations: Please do not collect live crab from these stations

- 1 – NW Tanner: K-27, L-27, L-28, M-28, L-29, M-29, L-30, M-30, L-31, M-31
- 2 – Prib Tanner: F-19, G-19, GF-20/19, E-20, F-20, F-21, E-22, F-22, F-23, G-23
- 3 – BB Tanner: F-09, D-08, E-08, F-08, D-07, F-07, D-06, F-06, D-05, F-05
- 4 – N Snow: V-26, T-27, U-27, V-27, T-28, U-28, V-28, T-29, U-29, T-30
- 5 – NE Snow: Q-20, Q-21, Q-22, R-22, S-22, P-23, Q-23, R-23, PO-24/23, P-24
- 6 – Prib Snow: IH-21/20, JI-21/20, I-21, IH-22/21, JI-22/21, I-22, K-22, I-23, J-23, K-23

- 3) Place ~10 crab per onion bags and keep bags in holding tank for the duration of the survey.
- 4) Periodically check the collection and toss out dead crabs.

Packing crabs: (notes from ADFG Procedure “Packing Live Crabs for Transport”)

- 1) If checked baggage, contact Pen Air in advance with flight details and the number of coolers as checked bags containing live crabs. Dutch Harbor Pen Air: 907-581-1383.
- 2) If shipping on Air Cargo, coordinate with them the day before: find out flight times and best time to deliver crabs. Typically, Pen Air Cargo requests delivery by ~8 am to make their morning cargo flight and ACE Cargo will deliver to Kodiak in the same day ONLY if it is set up in advance and they have a large enough load to justify it. Dutch Harbor ACE: 907-581-5787.
- 3) Tare the scale with empty cooler before packing.
- 4) Place a row of large ice packs along the bottom (2-3) and one upright at each end.
- 5) Soak burlap in cold seawater and cover the ice packs, ensuring that the crab will not come in direct contact with the ice packs. Retain as much moisture in the burlap as possible.
- 6) Add the first layer of crab (right side up with legs outstretched), so the crabs are touching but their bodies are not overlapping. Ensure they have a burlap cushion and are packed carefully to avoid smashing or in contact with ice pack edges. Crabs can be placed inside onion bags for additional protection.
- 7) Add a layer of wet burlap over the crab. Add 2 medium or large ice packs, placed at the 1/3 and 2/3 mid-points, add another layer of wet burlap.
- 8) Add the second layer of crab, and then add another layer of wet burlap, covering the crab.
- 9) Add 3 medium ice packs, at the start, 1/2, and end points, add another layer of wet burlap. Repeat.
- 10) Finally, add several small ice packs (5-8), interspersed on top (it is important to have multiple ice packs here as warm air rises).
- 11) Repeat as needed to fill the cooler, but ensure the lid can close without putting any pressure on the contents.
- 12) Weigh the cooler. Since the scale reads in kg and you are trying to keep weight under 100 lbs, ensure the scale reads no more than 46 kg (although 45 kg is just under 100 lbs, assume at least 1 kg of water (or ~1L) will be drained out at the airport).
- 13) Tape on a shipping label to the lid.
- 14) Seal cooler with duct tape if shipping on Air Cargo or with duct tape or cooler straps if taking as checked baggage.
- 15) At the airport, hold each cooler at an angle off the tail gate, open the stop cock, and drain all the water out (this is important both for weight allowances and for crab health, as crabs at the bottom of the cooler will suffocate if immersed in water).
- 16) When transporting coolers as checked baggage, **STRESS the fact that there are live crabs** in the coolers and they **MUST be loaded with you**; ask them to add Live Animal and Must Load tags to the coolers (& possibly Keep Cool).
- 17) If transporting coolers as Air Cargo, **STRESS the fact that they contain live crabs** and they must be shipped as quickly as possible (Gold Streak).



Gravity Prep + Formalin plate
Data Sheet for HEMOCYTE Collections

1072

St. Mark's Opies

Location: Kodiak Lab Year: 2012-2015 09/03/15 PCT

AD # SPNO	Species	Sex	Size (mm)	Comments
2011/2013	Copilio	1		BCS - GP (gravity prep)
↓				well A1 - 10% Formalin plate (.1 bld + .1 10%)
29145/2017	Co	1		well A2 20% Formalin plate (.1 bld + .1 20%)
↓				BCS - GP
				B1 10% F
				B2 20% F
2608/2017	Co - nearly dead	1		BCS GP ^{10% not messy}
↓				1 blood smear
2010/2015	Co	1		BCS - GP
↓				C1 10% F
				C2 20% F
				blood smear
2975/2017	Co	1		BCS D1 (plate only)
2030/2017	Co	1		BCS + GP
↓				crab nearly dead
				E1 white blood
				E2
				blood smear
2020/2010	Co	1		BCS GP
↓				F1 BCS +
				F2
				blood smear
2024/2018	Co	1		BCS +
↓				G1 10% F





2015 EBS Chionoecetes Index Site Hemolymph Collections - Pathobiology

Plate Number: 20
 Collected By: CA/NS

Vessel: 914 Australen
 Leg: 1

Keys & Comments on back 

Well:	Haul #	Species	Sex	Size	Shell	Chela	BCS+
A1	24	CB	1	109	3	23	
B1	24	CB	1	110	3	25	
C1	24	CB	1	100	3	20	
D1	24	CB	1	109	3	23	
E1	40	CB	1	109	3	22	
F1	40	CB	1	87	3	19	
G1	40	CB	1	108	3	22	
H1	40	CB	1	112	3	22	
A2	40	CB	2	77	3		
B2	41	CB	2	74	4		
C2	41	CB	2	81	4		
D2	41	CB	2	81	4		
E2	41	CB	2	82	4		
F2	41	CB	2	75	4		
G2	41	CB	2	82	4		
H2	41	CB	2	81	4		
A3	41	CB	2	79	4		
B3	41	CB	2	78	4		
C3	41	CB	2	79	4		
D3	DO NOT TAKE SAMPLE - CONTROL WELL						
E3	41	CB	2	78	4		
F3	41	CB	2	82	4		
G3	41	CB	2	79	4		
H3	41	CB	2	73	4		
A4	41	CB	2	77	4		
B4	41	CB	2	81	4		
C4	41	CB	1	102	3	20	
D4	41	CB	1	109	3	22	
E4	41	CB	1	88	2	5	
F4	41	CB	2	78	4		
G4	41	CB	2	44	2		
H4	41	CB	2	45	2		
A5	41	CB	1	108	3	23	
B5	41	CB	1	72	3	13	
C5	41	CB	2	45	2		
D5	41	CB	2	77	3		
E5	41	CB	2	73	3		
F5	41	CB	1	35	2		
G5	DO NOT TAKE SAMPLE - CONTROL WELL						
H5	41	CB	2	74	4		
A6	41	CB	1	86	3		
B6	41	CB	2	77	4		
C6	41	CB	1	88	3	10	
D6	41	CB	2	82	4		
E6	41	CB	1	108	3		
F6	41	CB	2	79	4		
G6	41	CB	2	76	4		
H6	41	CB	2	76	4		

Well:	Haul #	Species	Sex	Size	Shell	Chela	BCS+
A7	41	CB	2	83	4		
B7	41	CB	2	82	3		
C7	41	CB	2	76	4		
D7	42	CB					
E7	42	CB	1	109	3	20	
F7	42	CB	2	62	2		
G7	42	CB	1	109	3	20	
H7	42	CB	2	58	2		
A8	42	CB	1	107	2	19	
B8	42	CB	1	100	3	16	
C8	42	CB	1	59	2	7	
D8	42	CB	1	94	3	19	
E8	42	CB	1	32	2		
F8	DO NOT TAKE SAMPLE - CONTROL WELL						
G8	42	CB	2	73	4		
H8	42	CB	2	79	3		
A9	42	CB	2	46	2		
B9	42	CB	2	59	2		
C9	42	CB	2	80	3		
D9	42	CB	2	46	2		
E9	42	CB	2	46	2		
F9	42	CB	2	77	2		
G9	42	CB	2	61	2		
H9	42	CB	1	61	2		
A10	42	CB	2	79	3		
B10	DO NOT TAKE SAMPLE - CONTROL WELL						
C10	42	CB	1	59	2		
D10	42	CB	1	54	2	7	
E10	42	CB	1	108	3	18	
F10	42	CB	2	74	2		
G10	42	CB	1	78	2		
H10	42	CB	1	111	3	22	
A11	42	CB	2	52	2		
B11	44	CB	2	68	3		
C11	44	CB	1	51	2	6	
D11	44	CB	2	84	3		
E11	44	CB	2	46	2		
F11	44	CB	1	107	2	21	
G11	44	CB	1	110	4	20	
H11	44	CB	1	88	4	16	
A12	DO NOT TAKE SAMPLE - CONTROL WELL						
B12	44	CB	2	73	3		
C12	44	CB	1	62	2	7	
D12	44	CB	1	108	4		
E12	44	CB	1	109	3	20	
F12	44	CB	1	110	3	17	
G12	44	CB	1	48	2	5	
H12	44	CB	1	106	3	23	

QA/QC 11/10/15

(1) 2/4

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

D7: cap popped, read instructions AFTER discarding crab w/o taking measurement! Sorry...

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

If you ever see a positive King Crab, please take a photo and a blood sample (use a collection plate well)!

KEYS:

Species: CO = <i>C. opilio</i> CB = <i>C. bairdi</i> *or write out "opilio" or "bairdi"	Sex: 1 = Male 2 = Female 3 = Unknown	Size: Carapace Width (mm)	Shell Condition: 0 = Premolt/Molt 1 = Soft Shell 2 = New Shell 3 = Old Shell 4 = Very Old Shell 5 = Graveyard	Chela: MALE Chela Height (mm) **Optional**	BCS+: P = Visually Positive N = Visually Negative
---	--	-------------------------------------	--	--	--

2015 EBS Chionoecetes Index Site Hemolymph Collections - Pathobiology

Plate Number: 21
 Collected By: CA/NS/PCS

Vessel: Vesteradalen
 Leg: 1/2

Keys & Comments on back

Well:	Haul #	Species	Sex	Size	Shell	Chela	BCS+
A1	44	CB	1	109	3	23	
B1	44	CB	1	78	3		
C1	44	CB	1	82	4	15	
D1	44	CB	1	106	2	8	
E1	44	CB	2	49	2		
F1	44	CB	1	50	2	6	
G1	44	CB	2	56	2		
H1	42	CB	1	86	2	12	
A2	42	CB	1	42	2	5	
B2	42	CB	1	49	2	6	
C2	42	CB	2	50	2		
D2	42	CB	1	43	2		
E2	42	CB	1	65	2	8	
F2	42	CB	2	71	4		
G2	41	CB	2	75	4		
H2	41	CB	2	77	4		
A3	101	CB	1	97.7	3	16.9	
B3				96.1	3	18.6	
C3				90.6	3	14.1	
D3	DO NOT TAKE SAMPLE - CONTROL WELL						
E3				102.0	3	21.2	
F3				98.5	3	20.2	
G3				95.4	2	16.5	
H3				93.8	3	18.9	
A4				98.4	3	20.0	
B4				174	3	19.2	
C4				97.9	3	17.4	
D4				85.4	3	19.3	
E4				85.6	4	16.3	
F4				101.4	3	21.6	
G4	101	CB	2	41.8	2		
H4	106	CB	2	23.7	2		
A5	104	CB	1	30.7	2		
B5	104			23.0	2		
C5	104			22.2	2		
D5	106			88.0	3	16.2	
E5	106			74.2	2	16.9	
F5	106			97.4	2	17.4	
G5	DO NOT TAKE SAMPLE - CONTROL WELL						
H5	102	CB	1	100.4	3	19.4	
A6				84.1	3	16.9	
B6				93.5	2	16.5	
C6				83.8	3	14.8	
D6				911	3	20.2	
E6				90.5	3	17.3	
F6				83.1	3	15.1	
G6				86.8	3	16.9	
H6	102	CB	2	42.5	2		

Well:	Haul #	Species	Sex	Size	Shell	Chela	BCS+
A7	102	CB	1	40.8	2	5.3	
B7	104	CB	1	97.8	3	21.4	
C7				98.5	3	22.0	
D7				99.8	3	21.0	
E7				100.6	3	18.9	
F7				97.0	4	21.8	
G7				99.3	2	18.5	
H7				95.3	3	18.1	
A8				93.5	3	20.3	
B8				97.2	2	19.0	
C8				101.3	2	21.3	
D8				99.0	2	18.3	
E8				98.6	3	18.3	
F8	DO NOT TAKE SAMPLE - CONTROL WELL						
G8				10.4	3	20.4	
H8				96.9	3	19.6	
A9				103.5	3	24.9	
B9				91.9	3	22.5	
C9				96.3	3	19.6	
D9				99.9	2	22.6	
E9				94.9	3	20.5	
F9				82.6	3	13.9	
G9				102.1	3	20.5	
H9				100.8	3	19.6	
A10	104	CB	1	70.2	3	19.7	
B10	DO NOT TAKE SAMPLE - CONTROL WELL						
C10	108	CB	1	98.3	3	19.0	
D10				89.7	3	15.8	
E10				89.6	3	15.6	
F10				97.9	3	16.6	
G10				107.3	3	20.0	
H10				87.4	2	15.1	
A11				94.5	2	17.2	
B11				85.0	2	12.0	
C11				99.2	2	15.1	
D11				87.5	2	10.5	
E11				65.4	2	8.7	
F11				96.9	3	16.7	
G11				79.9	2	11.3	
H11				101.2	3	19.2	
A12	DO NOT TAKE SAMPLE - CONTROL WELL						
B12	108	CB	1	95.3	2	13.0	
C12				90.0	2	15.6	
D12				87.8	3	14.9	
E12				80.1	2	11.3	
F12				87.3	2	14.7	
G12				77.2	2	10.8	
H12	108	CB	2	63.6	2	8.3	

91
 Column 1
 Column 2
 Column 3
 Column 4
 Column 5
 Column 6
 Tamar sites

Column 7
 Column 8
 Column 9
 Column 10
 Column 11
 Column 12

SHORT M (4) 101, 104, 106, 102, 108, 114 6 * 20 = 120 QA/QC 80.5-75 11/4/15

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

E5 - both claws regen

H4 .1 ml bld

C19, F6 - ~~left~~ ^{rt} claw missing; m'd left

F10, G6 - left claw regen

C17 - rt claw missing

rt claw regen; m'd left: E10, B11

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

If you ever see a positive King Crab, please take a photo and a blood sample (use a collection plate well!) AND 3 BLOOD SMEARS

KEYS:

Species: CO = <i>C. opilio</i> CB = <i>C. bairdi</i> *or write out "opilio" or "bairdi"	Sex: 1 = Male 2 = Female 3 = Unknown	Size: Carapace Width (mm)	Shell Condition: 0 = Premolt/Molt 1 = Soft Shell 2 = New Shell 3 = Old Shell 4 = Very Old Shell 5 = Graveyard	Chela: MALE Chela Height (mm) **Optional**	BCS+: P = Visually Positive N = Visually Negative
---	--	--	--	--	--

2015 EBS *Chionoecetes* Index Site Hemolymph Collections - Pathobiology

Plate Number: 21-22
 Collected By: PCS

Vessel: 74
 Leg: 2 201501

Keys & Comments on back



Well:	Haul #	Species	Sex	Size	Shell	Chela	BCS+
A1	108	CB	1	76.8	2		
B1			2	68.7	2		
C1			2	63.3	2		
D1			2	34.7	2		
E1			2	30.7	2		
F1			2	33.9	2		
G1			1	31.7	2		
H1	108	CB	2	31.2	2		
A2	114	CB	2	37.4	2		
B2			2	29.9	2		
C2			2	56.0	2		
D2			1	20.7	2		
E2			2	30.4	2		
F2			2	35.4	2		
G2			2	59.7	2		
H2			1	23.1	2	2.9	+
A3			2	30.0	2		
B3			1	23.7	2		
C3			1	24.1	2		
D3	DO NOT TAKE SAMPLE - CONTROL WELL						
E3			1	30.8	2		
F3			2	33.0	2		
G3			2	32.2	2		
H3			1	32.8	2		
A4			2	29.6	2		
B4			1	24.5	2		
C4			2	32.6	2		
D4			1	24.4	2		
E4			1	22.7	2		
F4			2	35.6	2		
G4			1	33.5	2		
H4			1	40.0	2		
A5			1	31.6	2		
B5			1	32.9	2		
C5			1	44.9	2		
D5			1	31.6	2		
E5			1	32.6	2		
F5			1	32.9	2		
G5	DO NOT TAKE SAMPLE - CONTROL WELL						
H5			1	35.4	2		
A6			2	30.6	2		
B6			1	21.9	2		
C6			1	25.0	2		
D6			1	24.2	2		
E6			2	60.3	2		
F6			1	32.7	2		
G6			2	34.0	2		
H6	114	CB	2	58.9	2		

Well:	Haul #	Species	Sex	Size	Shell	Chela	BCS+
A7	114	CB	2	72.6	2		
B7			2	78.6	2		
C7			2	31.6	2		
D7			2	58.0	2		
E7			2	33.5	2		
F7			2	31.2	2		
G7			2	31.5	2		
H7			1	101.5	4	27.1	
A8			1	93.4	3	20.0	
B8	114	CB	1	92.6	4	19.9	
C8	115	CB	1	74.1	2		
D8			1	91.8	4	14.9	
E8			1	86.7	2	14.2	
F8	DO NOT TAKE SAMPLE - CONTROL WELL						
G8			1	101.4	4	18.2	
H8			1	72.2	2	12.3	
A9			1	76.5	2	11.1	
B9			1	71.4	4	11.4	
C9			1	76.2	2	10.2	
D9			1	96.2	3	17.9	
E9			1	60.7	2	7.4	
F9			2	34.2	2		
G9			1	36.0	2	7.2	
H9			2	29.6	2		
A10			1	30.9	2		
B10	DO NOT TAKE SAMPLE - CONTROL WELL						
C10			1	28.1	2		
D10	115	CB	1	90.6	3		
E10	116	CB	1	29.4	2	3.4	
F10			1	19.5	2	3.0	
G10			2	23.3	2		
H10			1	29.0	2		
A11			2	20.8	2		
B11			1	23.6	2		
C11			2	30.3	2		
D11			2	29.0	2		
E11			2	43.3	2		
F11			1	24.2	2	3.2	
G11			2	30.2	2		
H11			1	30.5	2		
A12	DO NOT TAKE SAMPLE - CONTROL WELL						
B12			1	26.4	2		
C12			1	20.8	2		
D12			1	22.5	2		
E12			2	31.0	2		
F12			1	31.4	2		
G12			1	24.8	2		
H12	116	CB	1	21.3	2		+

101, 104, 106, 102, 108, 114, 116, 118, 120, 122, 124, 126, 128, 130, 132, 134, 136, 138, 140, 142, 144, 146, 148, 150, 152, 154, 156, 158, 160, 162, 164, 166, 168, 170, 172, 174, 176, 178, 180, 182, 184, 186, 188, 190, 192, 194, 196, 198, 200, 202, 204, 206, 208, 210, 212, 214, 216, 218, 220, 222, 224, 226, 228, 230, 232, 234, 236, 238, 240, 242, 244, 246, 248, 250, 252, 254, 256, 258, 260, 262, 264, 266, 268, 270, 272, 274, 276, 278, 280, 282, 284, 286, 288, 290, 292, 294, 296, 298, 300, 302, 304, 306, 308, 310, 312, 314, 316, 318, 320, 322, 324, 326, 328, 330, 332, 334, 336, 338, 340, 342, 344, 346, 348, 350, 352, 354, 356, 358, 360, 362, 364, 366, 368, 370, 372, 374, 376, 378, 380, 382, 384, 386, 388, 390, 392, 394, 396, 398, 400, 402, 404, 406, 408, 410, 412, 414, 416, 418, 420, 422, 424, 426, 428, 430, 432, 434, 436, 438, 440, 442, 444, 446, 448, 450, 452, 454, 456, 458, 460, 462, 464, 466, 468, 470, 472, 474, 476, 478, 480, 482, 484, 486, 488, 490, 492, 494, 496, 498, 500, 502, 504, 506, 508, 510, 512, 514, 516, 518, 520, 522, 524, 526, 528, 530, 532, 534, 536, 538, 540, 542, 544, 546, 548, 550, 552, 554, 556, 558, 560, 562, 564, 566, 568, 570, 572, 574, 576, 578, 580, 582, 584, 586, 588, 590, 592, 594, 596, 598, 600, 602, 604, 606, 608, 610, 612, 614, 616, 618, 620, 622, 624, 626, 628, 630, 632, 634, 636, 638, 640, 642, 644, 646, 648, 650, 652, 654, 656, 658, 660, 662, 664, 666, 668, 670, 672, 674, 676, 678, 680, 682, 684, 686, 688, 690, 692, 694, 696, 698, 700, 702, 704, 706, 708, 710, 712, 714, 716, 718, 720, 722, 724, 726, 728, 730, 732, 734, 736, 738, 740, 742, 744, 746, 748, 750, 752, 754, 756, 758, 760, 762, 764, 766, 768, 770, 772, 774, 776, 778, 780, 782, 784, 786, 788, 790, 792, 794, 796, 798, 800, 802, 804, 806, 808, 810, 812, 814, 816, 818, 820, 822, 824, 826, 828, 830, 832, 834, 836, 838, 840, 842, 844, 846, 848, 850, 852, 854, 856, 858, 860, 862, 864, 866, 868, 870, 872, 874, 876, 878, 880, 882, 884, 886, 888, 890, 892, 894, 896, 898, 900, 902, 904, 906, 908, 910, 912, 914, 916, 918, 920, 922, 924, 926, 928, 930, 932, 934, 936, 938, 940, 942, 944, 946, 948, 950, 952, 954, 956, 958, 960, 962, 964, 966, 968, 970, 972, 974, 976, 978, 980, 982, 984, 986, 988, 990, 992, 994, 996, 998, 1000

257, 278, 280, 282, 284, 286, 288, 290, 292, 294, 296, 298, 300, 302, 304, 306, 308, 310, 312, 314, 316, 318, 320, 322, 324, 326, 328, 330, 332, 334, 336, 338, 340, 342, 344, 346, 348, 350, 352, 354, 356, 358, 360, 362, 364, 366, 368, 370, 372, 374, 376, 378, 380, 382, 384, 386, 388, 390, 392, 394, 396, 398, 400, 402, 404, 406, 408, 410, 412, 414, 416, 418, 420, 422, 424, 426, 428, 430, 432, 434, 436, 438, 440, 442, 444, 446, 448, 450, 452, 454, 456, 458, 460, 462, 464, 466, 468, 470, 472, 474, 476, 478, 480, 482, 484, 486, 488, 490, 492, 494, 496, 498, 500, 502, 504, 506, 508, 510, 512, 514, 516, 518, 520, 522, 524, 526, 528, 530, 532, 534, 536, 538, 540, 542, 544, 546, 548, 550, 552, 554, 556, 558, 560, 562, 564, 566, 568, 570, 572, 574, 576, 578, 580, 582, 584, 586, 588, 590, 592, 594, 596, 598, 600, 602, 604, 606, 608, 610, 612, 614, 616, 618, 620, 622, 624, 626, 628, 630, 632, 634, 636, 638, 640, 642, 644, 646, 648, 650, 652, 654, 656, 658, 660, 662, 664, 666, 668, 670, 672, 674, 676, 678, 680, 682, 684, 686, 688, 690, 692, 694, 696, 698, 700, 702, 704, 706, 708, 710, 712, 714, 716, 718, 720, 722, 724, 726, 728, 730, 732, 734, 736, 738, 740, 742, 744, 746, 748, 750, 752, 754, 756, 758, 760, 762, 764, 766, 768, 770, 772, 774, 776, 778, 780, 782, 784, 786, 788, 790, 792, 794, 796, 798, 800, 802, 804, 806, 808, 810, 812, 814, 816, 818, 820, 822, 824, 826, 828, 830, 832, 834, 836, 838, 840, 842, 844, 846, 848, 850, 852, 854, 856, 858, 860, 862, 864, 866, 868, 870, 872, 874, 876, 878, 880, 882, 884, 886, 888, 890, 892, 894, 896, 898, 900, 902, 904, 906, 908, 910, 912, 914, 916, 918, 920, 922, 924, 926, 928, 930, 932, 934, 936, 938, 940, 942, 944, 946, 948, 950, 952, 954, 956, 958, 960, 962, 964, 966, 968, 970, 972, 974, 976, 978, 980, 982, 984, 986, 988, 990, 992, 994, 996, 998, 1000

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

0.1 ml bld: D2, E2, A3, B4, C4

white blood: H2

missing claw: H7, B8

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

If you ever see a positive King Crab, please take a photo and a blood sample (use a collection plate well)!

AND 3
BLOOD SMEARS

KEYS:

Species: CO = C. opilio CB = C. bairdi *or write out "opilio" or "bairdi"	Sex: 1 = Male 2 = Female 3 = Unknown	Size: Carapace Width (mm)	Shell Condition: 0 = Premolt/Molt 1 = Soft Shell 2 = New Shell 3 = Old Shell 4 = Very Old Shell 5 = Graveyard	Chela: MALE Chela Height (mm) **Optional**	BCS+: P = Visually Positive N = Visually Negative
---	--	--	--	--	--

2015 EBS Chionoecetes Index Site Hemolymph Collections - Pathobiology

Plate Number: 23
 Collected By: PCJ + WCL

Vessel: 94
 Leg: 201501

Keys & Comments on back

Well:	Haul #	Species	Sex	Size	Shell	Chela	BCS+
A1	116	CB	1	73.3	3	13.0	-
B1			1	74.4	2	9.8	-
C1			1	83.0	3	15.1	-
D1	116	CB	1	75.0	2	10.7	-
E1	117	CB	2	30.2	2	-	-
F1			1	31.3	2	-	-
G1			1	37.3	2	-	-
H1			2	37.2	2	-	-
A2			2	33.7	2	-	-
B2			2	30.9	2	-	-
C2			1	30.5	2	-	-
D2			1	22.3	2	-	-
E2			1	22.3	2	-	-
F2			2	31.5	2	-	-
G2			1	30.5	2	-	-
H2			2	24.0	2	-	-
A3			2	29.5	2	-	-
B3			2	31.0	2	-	-
C3			2	23.2	2	-	-
D3	DO NOT TAKE SAMPLE - CONTROL WELL						
E3			2	29.7	2	-	-
F3			1	25.1	2	-	-
G3	117	CB	2	20.6	2	-	-
H3	124	Co	1	84.3	4	17.2	-
A4			1	85.6	4	18.5	-
B4			1	55.6	3	11.8	-
C4	124	Co	1	81.3	3	18.0	-
D4	136	Co	1	71.5	2	12.7	-
E4	136	Co	1	87.6	4	21.9	-
F4	137	Co	1	72.3	3	15.6	-
G4	137	Co	1	73.3	3	16.4	-
H4	137	Co	1	92.3	4	18.5	-
A5	121	Co	1	78.0	2	12.5	-
B5			1	97.6	2	16.0	-
C5			1	72.3	3	14.3	-
D5			1	81.4	4	20.2	-
E5			1	97.3	3	14.6	-
F5	121	Co	1	71.0	2	16.0	-
G5	DO NOT TAKE SAMPLE - CONTROL WELL						
H5	122	Co	1	79.7	4	18.0	-
A6	122	Co	1	71.2	4	15.9	-
B6	137		1	79.7	4	19.1	-
C6	137		1	89.6	4	22.6	-
D6	137		1	87.8	3	20.9	-
E6			1	89.6	4	22.3	-
F6			1	63.1	3	12.9	-
G6			1	75.6	4	17.8	-
H6	137		1	80.8	4	16.2	-

Column 1
Column 2
Column 3
Column 4
Column 5
Column 6

Well:	Haul #	Species	Sex	Size	Shell	Chela	BCS+
A7	137	Co	1	75.3	3	16.2	-
B7			1	89.4	4	21.4	-
C7			1	82.9	4	21.1	-
D7			1	92.2	3	20.8	-
E7			1	75.8	4	18.9	-
F7			1	88.7	4	20.5	-
G7			1	92.7	3	22.2	-
H7	137	Co	1	90.8	3	19.6	-
A8	139	Co	1	63.0	4	13.0	-
B8			1	77.8	3	17.5	-
C8			1	64.6	3	14.1	-
D8			1	60.8	3	12.3	-
E8			1	74.7	3	17.2	-
F8	DO NOT TAKE SAMPLE - CONTROL WELL						
G8			1	74.1	3	17.4	-
H8			1	79.7	4	18.0	-
A9			1	77.9	3	18.2	-
B9			1	77.5	3	18.3	-
C9			1	72.5	4	18.4	-
D9			1	76.9	3	16.7	-
E9			1	70.9	3	16.4	-
F9	139	Co	1	84.3	3	20.0	-
G9	170	Co	1	59.0	2	12.6	-
H9		Co	2	61.8	2	9.2	-
A10			1	48.9	2	7.9	-
B10	DO NOT TAKE SAMPLE - CONTROL WELL						
C10			1	67.6	2	11.0	-
D10			1	61.0	2	9.4	-
E10			1	66.3	2	10.0	-
F10			2	52.8	2	-	-
G10			2	26.5	2	-	-
H10			2	43.7	2	-	-
A11			1	26.4	2	3.9	-
B11			2	37.9	2	-	-
C11			2	36.7	2	-	-
D11			1	34.1	2	-	-
E11			1	56.5	2	11.1	-
F11			1	86.7	2	16.9	-
G11			1	21.2	2	3.2	-
H11			2	39.3	2	-	-
A12	DO NOT TAKE SAMPLE - CONTROL WELL						
B12			1	39.6	2	6.39	-
C12			2	39.0	2	-	-
D12			1	78.5	2	15.2	-
E12	170	Co	1	56.2	2	11.1	-
F12	170	Co	1	40.4	2	6.6	-
G12	171	Co	1	66.3	2	14.7	-
H12			1	-	-	-	-

Column 7
Column 8
Column 9
Column 10
Column 11
Column 12

124, 136, 137, 121, 122

© 11/9/15 AM/AC 11/23/15 Comments in Ln

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

Chela missing: AS05, F7

CG - has D6 & E6 crabs mixed - don't process

** many small crabs only .1 ml bld

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

If you ever see a positive King Crab, please take a photo and a blood sample (use a collection plate well)!

AND 3
BLOOD SMEARS

KEYS:

Species: CO = C. opilio CB = C. bairdi *or write out "opilio" or "bairdi"	Sex: 1 = Male 2 = Female 3 = Unknown	Size: Carapace Width (mm)	Shell Condition: 0 = Premolt/Molt 1 = Soft Shell 2 = New Shell 3 = Old Shell 4 = Very Old Shell 5 = Graveyard	Chela: MALE Chela Height (mm) **Optional**	BCS+: P = Visually Positive N = Visually Negative
--	---	---------------------------------	---	---	---

2015 EBS Chionoecetes Index Site Hemolymph Collections - Pathobiology

Plate Number: 25 24
 Collected By: WCL / NR

Vessel: 9A
 Leg: 3

Keys & Comments on back

Well: Haul # Species Sex Size Shell Chela BCS+

Well:	Haul #	Species	Sex	Size	Shell	Chela	BCS+
A1	195	Cb	1	24.0	2	2.8	-
B1	193	Cb	1	17.8	2	2.0	-
C1	196	Cb	1	108.4	3	22.8	-
D1	196	Cb	1	102.7	3	20.3	-
E1	196	Cb	1	86.3	3	15.0	-
F1	196	Cb	1	95.6	3	17.7	-
G1	196	Cb	1	98.3	3	18.9	-
H1	196	Cb	1	99.1	3	17.8	-
A2	196	Cb	2	35.7	2	-	-
B2	196	Cb	1	97.6	3	18.0	-
C2	196	Cb	1	99.2	3	18.9	-
D2	196	Cb	2	61.0	2	-	-
E2	196	Cb	1	97.5	3	17.2	-
F2	196	Cb	1	84.9	3	15.00	-
G2	196	Cb	1	90.1	2	4.8	-
H2	196	Cb	1	93.0	3	15.6	-
A3	196	Cb	1	95.0	2	17.0	-
B3	196	Cb	1	95.6	3	18.6	-
C3	196	Cb	1	81.0	2	15.5	-
D3	DO NOT TAKE SAMPLE - CONTROL WELL						
E3	196	Cb	1	90.6	3	15.2	-
F3	196	Cb	1	82.9	3	13.5	-
G3	196	Cb	1	81.2	3	13.5	-
H3	196	Cb	1	100.0	2	8.7	-
A4	196	Cb	1	93.5	2	7.2	-
B4	196	Cb	1	63.7	2	8.8	-
C4	196	Cb	1	79.7	2	11.0	-
D4				74.3	2	12.3	-
E4				95.0	2	17.0	-
F4				74.8	2	17.1	-
G4				84.0	2	-	-
H4				95.6	2	17.0	-
A5				87.2	2	15.7	-
B5				88.4	2	13.5	-
C5				95.3	2	16.7	-
D5				89.3	2	15.7	-
E5				95.9	2	17.4	-
F5				95.0	2	16.7	-
G5	DO NOT TAKE SAMPLE - CONTROL WELL						
H5				77.8	2	18.3	-
A6				100.2	2	18.4	-
B6				25.7	2	3.3	-
C6				94.4	2	16.3	-
D6							-
E6				98.5	2	18.2	-
F6							-
G6							-
H6	196	Cb					-

Well: Haul # Species Sex Size Shell Chela BCS+

Well:	Haul #	Species	Sex	Size	Shell	Chela	BCS+
A7	198	Cb	1	48.3	2	6.8	-
B7			1	27.5	2	-	-
C7			2	25.4	2	-	-
D7			1	26.0	2	-	-
E7			2	16.9	2	-	-
F7			1	29.0	2	-	-
G7			2	27.7	2	-	-
H7			1	58.7	2	7.9	-
A8			1	37.0	2	-	-
B8			2	35.1	2	-	-
C8			2	31.7	2	-	-
D8			1	27.3	2	-	-
E8			2	27.2	2	-	-
F8	DO NOT TAKE SAMPLE - CONTROL WELL						
G8			2	35.1	2	-	-
H8			2	23.3	2	-	-
A9			2	27.0	2	-	-
B9			1	31.2	2	-	-
C9			1	30.7	2	-	-
D9			2	33.2	2	-	-
E9		Cb	2	47.6	2	-	-
F9			1	55.7	2	7.5	-
G9			1	32.7	2	-	-
H9	198	Cb	2	29.3	2	-	-
A10	196	Cb	2	93.2	3	13.6	-
B10	DO NOT TAKE SAMPLE - CONTROL WELL						
C10		Cb	1	97.6	2	16.4	-
D10			1	97.9	2	18.2	-
E10			1	85.1	2	14.2	-
F10			1	100.4	2	15.6	-
G10			1	94.0	2	17.6	-
H10			1	94.7	2	17.1	-
A11			1	90.9	3	15.6	-
B11			1	97.6	2	15.3	-
C11			1	101.2	2	19.7	-
D11			1	94.5	3	17.5	-
E11			1	80.2	2	11.4	-
F11			1	95.0	2	18.5	-
G11			1	93.3	3	16.9	-
H11			1	95.2	2	17.0	-
A12	DO NOT TAKE SAMPLE - CONTROL WELL						
B12			1	88.2	2	15.5	-
C12			1	93.9	2	17.7	-
D12			1	92.0	2	16.2	-
E12			1	98.9	2	18.2	-
F12			1	91.3	3	16.8	-
G12			1	100.9	3	19.5	-
H12	196	Cb	1	98.8	2	17.4	-

1018P
31 behind
14A

20

2014-14

But use

22
9 behind
15 F 24

QA/QC 11/23/15

② 11/23/15

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

0.1 ml sample - A1, B6, ~~B7~~, E7, H8, H9

G4 - NO chela

A5 - No samples in one well

One chela - F10

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

If you ever see a positive King Crab, please take a photo and a blood sample (use a collection plate well)!

AND 3
BLOOD SMEARS

KEYS:

Species: CO = C. opilio CB = C. bairdi *or write out "opilio" or "bairdi"	Sex: 1 = Male 2 = Female 3 = Unknown	Size: Carapace Width (mm)	Shell Condition: 0 = Premolt/Molt 1 = Soft Shell 2 = New Shell 3 = Old Shell 4 = Very Old Shell 5 = Graveyard	Chela: MALE Chela Height (mm) **Optional**	BCS+: P = Visually Positive N = Visually Negative
--	---	---------------------------------	---	---	---

2015 EBS Chionoecetes Index Site Hemolymph Collections - Pathobiology

Plate Number: 25

Vessel: 94

Collected By: WCL

Leg: 3

Keys & Comments on back



Well:	Haul #	Species	Sex	Size	Shell	Chela	BCS+
A1	171	Co	1	61.2	2	10.1	-
B1	34	H	1	72.0	2	12.9	-
C1			1	61.5	2	13.2	-
D1			1	59.9	2	9.5	-
E1			1	53.6	2	8.5	-
F1			1	75.1	2	13.1	-
G1			1	63.2	2	10.1	-
H1			1	68.6	2	12.5	-
A2			1	55.9	2	9.5	-
B2			1	45.4	2	7.4	-
C2			1	66.9	2	11.7	-
D2			1	64.0	2	10.9	-
E2			1	71.7	2	15.7	-
F2			1	64.7	2	13.6	-
G2			1	56.8	2	9.8	-
H2			1	60.4	2	10.0	-
A3			1	62.2	2	10.4	-
B3	171	Co	1	62.6	2	10.9	-
C3	182	Cb	1	34.9	2	7.4	-
D3	DO NOT TAKE SAMPLE - CONTROL WELL						
E3	483	Cb	2	34.2	2	-	-
F3	184	Cb	2	50.9	2	-	-
G3	184	Cb	2	52.2	2	-	-
H3	184	Cb	2	50.0	2	-	-
A4	184	Cb	2	43.6	2	5.4	-
B4	184	Cb	2	57.3	2	-	-
C4	184	Cb	2	44.5	2	-	-
D4	184	Cb	2	32.0	2	4.1	+
E4	184	Cb	2	33.5	2	-	-
F4	184	Cb	1	44.5	2	5.2	-
G4	192	Cb	1	38.5	2	4.7	-
H4			1	31.8	2	3.7	-
A5			1	32.4	2	3.9	-
B5			1	22.2	2	2.9	-
C5			1	24.6	2	3.0	-
D5			1	22.2	2	3.0	-
E5			1	24.6	2	3.2	-
F5			1	25.7	2	2.8	-
G5	DO NOT TAKE SAMPLE - CONTROL WELL						
H5			1	20.6	2	2.2	+
A6			1	18.6	2	2.2	-
B6			1	17.3	2	2.2	-
C6			2	15.0	2	-	-
D6			2	33.0	2	-	+
E6			2	22.0	2	-	-
F6			2	30.8	2	-	-
G6	192	Cb	2	18.50	2	-	+
H6	193	Cb	1	90.4	2	15.8	-

Well:	Haul #	Species	Sex	Size	Shell	Chela	BCS+
A7	193	Cb	1	62.2	2	7.3	-
B7	193	Cb	1	44.7	2	5.5	-
C7	193	Cb	1	52.5	2	6.8	-
D7	193	Cb	1	42.8	2	-	-
E7	193	Cb	1	42.8	2	5.46	-
F7	193	Cb	1	51.5	2	6.8	-
G7	193	Cb	1	61.1	2	9.1	-
H7	193	Cb	1	41.9	2	5.2	-
A8			1	39.0	2	5.3	-
B8			1	44.8	2	5.4	-
C8			1	32.9	2	4.4	-
D8			1	35.2	2	4.4	-
E8			1	55.2	2	7.4	-
F8	DO NOT TAKE SAMPLE - CONTROL WELL						
G8			1	34.6	2	4.9	-
H8			1	42.8	2	5.3	-
A9			1	48.0	2	6.3	-
B9			1	45.8	2	5.9	-
C9			1	24.5	2	3.2	-
D9			2	44.2	2	-	-
E9			2	31.4	2	-	+
F9			2	38.7	2	-	-
G9			2	48.4	2	-	-
H9			2	37.6	2	-	+
A10			2	48.6	2	-	-
B10	DO NOT TAKE SAMPLE - CONTROL WELL						
C10			2	41.7	2	-	+
D10			2	37.8	2	-	-
E10			2	27.3	2	-	-
F10			2	43.2	2	-	+
G10			2	33.5	2	-	+
H10			2	53.7	2	-	-
A11	192	Cb	2	26.8	2	-	-
B11			2	31.4	2	-	-
C11			2	26.4	2	-	-
D11			2	25.2	2	-	-
E11			2	20.0	2	-	-
F11			2	24.2	2	-	-
G11	192	Cb	2	24.6	2	-	-
H11	193	Cb	2	26.2	2	-	-
A12	DO NOT TAKE SAMPLE - CONTROL WELL						
B12	195	Cb	2	18.7	2	-	-
C12	195	Cb	2	32.5	2	-	-
D12	195	Cb	2	22.5	2	-	-
E12	195	Cb	2	17.3	2	-	-
F12	195	Cb	2	19.4	2	-	-
G12	195	Cb	2	18.9	2	-	-
H12	195	Cb	1	27.7	2	3.8	-

Column 1

Column 2

Column 3

Column 4

Column 5

Column 6

Column 7

Column 8

Column 9

Column 10

Column 11

Column 12

11
49 behind

19

19

DAQC 11/21/15 @ 11/21/15

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

- 0.1 mL G4, H4, A5, B5, C5, D5, E5, H5, A6, B12, F6, G6, C8
- C9, E10, F10, G10, E11, G11, B12, E12, F12, G12, H12
 - F5 - Hippato pancreas?
 - C7 - may be empty & contents in D7

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

If you ever see a positive King Crab, please take a photo and a blood sample (use a collection plate well!) ^{AND 3} BLOOD SMEARS

KEYS:

Species: CO = <i>C. opilio</i> CB = <i>C. bairdi</i> *or write out "opilio" or "bairdi"	Sex: 1 = Male 2 = Female 3 = Unknown	Size: Carapace Width (mm)	Shell Condition: 0 = Premolt/Molt 1 = Soft Shell 2 = New Shell 3 = Old Shell 4 = Very Old Shell 5 = Graveyard	Chela: MALE Chela Height (mm) **Optional**	BCS+: P = Visually Positive N = Visually Negative
---	--	--	--	--	--

2015 EBS Chionoecetes Index Site Hemolymph Collections - Pathobiology

Plate Number: 26
 Collected By: WCL/NR

Vessel: 94
 Leg: 201501

Keys & Comments on back 

Well:	Haul #	Species	Sex	Size	Shell	Chela	BCS+
A1	96	Cb	2	98.0	3	18.2	
B1				94.3	2	16.9	
C1				101.97	3	15.5	
D1				91.0	2	15.4	
E1				96.6	2	14.26	
F1				98.3	3	16.8	
G1							
H1							
A2							
B2							
C2							
D2							
E2							
F2							
G2							
H2							
A3							
B3							
C3							
D3	DO NOT TAKE SAMPLE - CONTROL WELL						
E3							
F3							
G3							
H3							
A4							
B4							
C4							
D4							
E4							
F4							
G4							
H4							
A5							
B5							
C5							
D5							
E5							
F5							
G5	DO NOT TAKE SAMPLE - CONTROL WELL						
H5							
A6							
B6							
C6							
D6							
E6							
F6							
G6							
H6							

Well:	Haul #	Species	Sex	Size	Shell	Chela	BCS+
A7							
B7							
C7							
D7							
E7							
F7							
G7							
H7							
A8							
B8							
C8							
D8							
E8							
F8	DO NOT TAKE SAMPLE - CONTROL WELL						
G8							
H8							
A9							
B9							
C9							
D9							
E9							
F9							
G9							
H9							
A10							
B10	DO NOT TAKE SAMPLE - CONTROL WELL						
C10							
D10							
E10							
F10							
G10							
H10							
A11							
B11							
C11							
D11							
E11							
F11							
G11							
H11							
A12	DO NOT TAKE SAMPLE - CONTROL WELL						
B12							
C12							
D12							
E12							
F12							
G12							
H12							

JA/QC 11/23/15 @ 11:15



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

Lined area for handwritten notes, consisting of approximately 20 horizontal lines.

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

If you ever see a positive King Crab, please take a photo and a blood sample (use a collection plate well)!

AND 3 BLOOD SMEARS

KEYS:

Species: CO = <i>C. opilio</i> CB = <i>C. bairdi</i> *or write out "opilio" or "bairdi"	Sex: 1 = Male 2 = Female 3 = Unknown	Size: Carapace Width (mm)	Shell Condition: 0 = Premolt/Molt 1 = Soft Shell 2 = New Shell 3 = Old Shell 4 = Very Old Shell 5 = Graveyard	Chela: MALE Chela Height (mm) **Optional**	BCS+: P = Visually Positive N = Visually Negative
---	--	--	--	--	--

2015 EBS Chionoecetes Index Site Hemolymph Collections - Pathobiology

Plate Number: 10

Vessel: 102

Collected By: Ben Daly / Mike Karlsson

Leg: 1

Keys & Comments on back



Well:	Haul #	Species	Sex	Size	Shell	Chela	BCS+
A1	30	6	2	58	2		-
B1	30			62	2		-
C1				66	2		-
D1				60	2		-
E1				62	2		-
F1				52	2		-
G1				55	2		-
H1				64	2		-
A2	30	6	1	64	2		-
B2				111	3		-
C2			2	52	2		-
D2				55	2		-
E2				91	3		-
F2			2	54	2		-
G2			1	108	2		-
H2				58	2		-
A3				56	2		-
B3			2	58	2		-
C3			6	82	3		-
D3	DO NOT TAKE SAMPLE - CONTROL WELL						
E3	30	6	1	112	3		-
F3			2	52	2		-
G3			2	52	2		-
H3	30		1	90	2		-
A4	31	6	1	110	3		-
B4	31	6	1	105	2		-
C4	31	6	1	103	3		-
D4	31	6	2	43	2		-
E4	31	6	1	106	3		-
F4	31	6		50	2		-
G4	31	6		112	2		-
H4	31	6	1	112	2		-
A5	31	6	1	83	3		-
B5	31	6	1	89	3		-
C5	31	6	2	52	2		-
D5	31	6	1	37	2		-
E5	32	6	1	84	3		-
F5	32	6		60	2		-
G5	DO NOT TAKE SAMPLE - CONTROL WELL						
H5	32	6	1	93	3		-
A6	32	6	1	45	2		-
B6	32	6	1	84	3		-
C6	32	6	1	52	2		-
D6	32	6	1	70	2		-
E6	32	6	1	103	3		-
F6	32	6	1	52	2		-
G6	32	6	1	51	2		-
H6	32	6	1	52	2		-

Species 6 = *C. bairdi*

Well:	Haul #	Species	Sex	Size	Shell	Chela	BCS+
A7	32	6	2	58	2		-
B7	32	6	1	43	2		-
C7	32	6	1	107	3		-
D7	32	6	1	55	2		-
E7	32	6	1	40	2		-
F7	32	6	1	39	2		-
G7	30	6	2	56	2		-
H7	30	6	2	51	2		-
A8	30	6	1	60	2		-
B8	30	6	2	52	2		-
C8	30	6	2	53	2		-
D8	30	6	1	50	2		-
E8	48	6	1	42	2		-
F8	DO NOT TAKE SAMPLE - CONTROL WELL						
G8	48	6	1	83	2		-
H8	48	6	1	105	2		-
A9	48	6	1	105	2		-
B9	48	6	1	80	2		-
C9	48	6	1	110	3		-
D9	48	6	1	43	2		-
E9	48	6	2	59	2		-
F9	48	6	2	46	2		-
G9	48	6	2	44	2		-
H9	48	6	1	45	2		-
A10	40	6	1	43	2		-
B10	DO NOT TAKE SAMPLE - CONTROL WELL						
C10	51	6	1	101	3		-
D10	51	6	1	75	3		-
E10	51	6	1	111	2		-
F10	51	6	2	57	2		-
G10	51	6	1	110	2		-
H10	51	6	2	67	2		-
A11	51	6	1	109	3		-
B11	51	6	1	111	3		-
C11	51	6	1	62	2		-
D11	51	6	1	109	3		-
E11	51	6	2	55	2		-
F11	51	6	2	46	2		-
G11	51	6	2	88	3		-
H11	51	6	1	112	2		-
A12	DO NOT TAKE SAMPLE - CONTROL WELL						
B12	51	6	1	84	3		-
C12	51	6	1	89	3		-
D12	51	6	1	54	2		-
E12	51	6	1	41	2		-
F12	51	6	1	82	3		-
G12	51	6	1	103	3		-
H12	51	6	1	54	2		-

QAC 11/23/15 @ulivis

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

- Clutch into 2014 vs 2015
- SNCO 4? (maturity??)
- optional chela!
- tenths measurements
- ~~from~~ animals larger than range

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

If you ever see a positive King Crab, please take a photo and a blood sample (use a collection plate well)!

KEYS:

Species: CO = <i>C. opilio</i> CB = <i>C. bairdi</i> *or write out "opilio" or "bairdi"	Sex: 1 = Male 2 = Female 3 = Unknown	Size: Carapace Width (mm)	Shell Condition: 0 = Premolt/Molt 1 = Soft Shell 2 = New Shell 3 = Old Shell 4 = Very Old Shell 5 = Graveyard	Chela: MALE Chela Height (mm) **Optional**	BCS+: P = Visually Positive N = Visually Negative
--	---	---------------------------------	---	---	---

2015 EBS Chionoecetes Index Site Hemolymph Collections - Pathobiology

Plate Number: 11

Vessel: 162

Collected By: Ben Daly/Mike Knutson

Leg: 1

Keys & Comments on back



Well: Haul # Species Sex Size Shell Chela BCS+

Well:	Haul #	Species	Sex	Size	Shell	Chela	BCS+
A1	51	CB	1	46	2		-
B1	51	CB	2	48	2		-
C1	51	CB	1	44	2		-
D1	51	CB	1	95	3		-
E1	51	CB	1	39	2		-
F1	51	CB	2	42	2		-
G1	51	CB	2	48	2		-
H1	138	Co	1	103	2		-
A2			2	45	2		-
B2			1	55	2		-
C2			1	40	2		-
D2			1	70	2		-
E2			1	72	2		-
F2			1	70	2		-
G2			1	76	2		-
H2			1	73	2		-
A3			1	60	2		-
B3			1	60	2		-
C3			1	73	2		-
D3	DO NOT TAKE SAMPLE - CONTROL WELL						
E3			1	60	2		-
F3			1	72	2		-
G3			1	72	2		-
H3			1	76	2		-
A4	148			76	4		-
B4			1	89	2		-
C4			1	84	2		-
D4			1	69	2		-
E4			1	77	3		-
F4			1	85	2		-
G4			1	4	3		-
H4			1	75	2		-
A5			1	72	2		-
B5			2	57	2		-
C5			1	76	3		-
D5			1	82	3		-
E5			2	44	2		-
F5			1	73	3		-
G5	DO NOT TAKE SAMPLE - CONTROL WELL						
H5			1	62	2		-
A6			1	72	2		-
B6			1	54	2		-
C6			1	63	2		-
D6			1	59	2		-
E6			1	66	2		-
F6			1	55	2		-
G6			1	54	2		-
H6	139		1	68	2		-

Well: Haul # Species Sex Size Shell Chela BCS+

Well:	Haul #	Species	Sex	Size	Shell	Chela	BCS+
A7	139		1	69	2		-
B7			1	58	2		-
C7			1	58	2		-
D7			2	59	2		-
E7			2	59	2		-
F7			1	64	2		-
G7			1	59	2		-
H7	151		2	59	2		-
A8			1	46	2		-
B8			1	75	2		-
C8			1	73	3		-
D8			1	84	3		-
E8			1	86	3		-
F8	DO NOT TAKE SAMPLE - CONTROL WELL						
G8			1	83	3		-
H8			1	92	3		-
A9			1	102	2		-
B9			1	78	3		-
C9			1	52	2		-
D9			1	51	2		-
E9	166	Co	1	68	4	14	-
F9			1	74	3	17	-
G9			1	67	3	16	-
H9			1	81	3	19	-
A10			1	72	2	6	-
B10	DO NOT TAKE SAMPLE - CONTROL WELL						
C10			1	42	2	7	-
D10			2	39	2		-
E10			1	40	2	6	-
F10			2	35	2		-
G10			2	36	2		-
H10	166	Co	2	35	2		-
A11	167	Co	1	77	3	17	-
B11			1	63	3	13	-
C11			1	56	2	9	-
D11			1	62	2	11	-
E11			2	55	2		-
F11			2	59	2		-
G11			1	49	2	9	-
H11			2	56	2		-
A12	DO NOT TAKE SAMPLE - CONTROL WELL						
B12			2	44	2		-
C12			2	49	2		-
D12			2	43	2		-
E12			1	65	3	14	-
F12			1	63	2	11	-
G12			2	43	2		-
H12	167	Co	1	58	2	12	-

DA/OC nbs/ks @ 11/14/15

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 ever see a positive King Crab, please take a photo and a blood sample (use a collection plate well)! ^{And 3} Blood smears

KEYS:

Species: CO = C. opilio CB = C. bairdi *or write out "opilio" or "bairdi"	Sex: 1 = Male 2 = Female 3 = Unknown	Size: Carapace Width (mm)	Shell Condition: 0 = Premolt/Molt 1 = Soft Shell 2 = New Shell 3 = Old Shell 4 = Very Old Shell 5 = Graveyard	Chela: MALE Chela Height (mm) **Optional**	BCS+: P = Visually Positive N = Visually Negative
--	---	---------------------------------	---	---	---

2015 EBS Chionoecetes Index Site Hemolymph Collections - Pathobiology

Plate Number: 12
 Collected By: DW/DB

Vessel: 162
 Leg: 3

Keys & Comments on back



Well:	Haul #	Species	Sex	Size	Shell	Chela	BCS+	
A1	167	Co	2	48	2	—		
B1			2	46	2	—		
C1			2	44	2	—		
D1			2	50	2	—		
E1			1	41	2	ooPa!		
F1			2	43	2	—		
G1			1	58	2	8		
H1			1	49	2	8		
A2			1	49	2	8		
B2			1	65	2	11		
C2			1	40	2	6		
D2			1	52	2	8		
E2			1	47	2	7		
F2			2	44	2	—		
G2			2	43	2	—		
H2			2	49	2	—		
A3			2	43	2	—		
B3			2	48	2	—		
C3			2	47	2	—		
D3	DO NOT TAKE SAMPLE - CONTROL WELL							
E3			1	48	2	8		
F3			2	43	2	—		
G3			1	57	3	10		
H3			1	60	2	10	*	
A4			1	45	2	7		
B4			1	43	2	6		
C4			2	46	2	—		
D4			1	57	2	10		
E4			1	60	3	12		
F4			1	47	2	8		
G4			1	49	2	8		
H4			2	43	2	—		
A5			2	49	2	—		
B5			1	62	2	11		
C5			2	48	2	—		
D5			1	62	2	12		
E5			1	61	2	11		
F5			2	50	2	—		
G5	DO NOT TAKE SAMPLE - CONTROL WELL							
H5			2	47	2	—		
A6			2	49	2	—		
B6			1	54	2	10		
C6			2	46	2	—		
D6			1	50	2	7		
E6			1	46	2	7		
F6			1	52	2	8		
G6			2	46	2	—		
H6	167	Co	2	45	2	—		

Well:	Haul #	Species	Sex	Size	Shell	Chela	BCS+	
A7	167	Co	2	50	2	—		
B7			2	48	2	—		
C7			1	51	2	7	*	
D7			1	51	2	8		
E7			1	52	2	8		
F7			1	50	2	7		
G7	167	Co	1	76	3	15		
H7	168	Co	1	75	2	16		
A8			1	69	2	15		
B8			1	56	2	12		
C8			1	61	2	11		
D8			1	70	2	13		
E8			1	62	2	12		
F8	DO NOT TAKE SAMPLE - CONTROL WELL							
G8			1	53	3	11		
H8			1	55	2	11		
A9			1	66	3	14		
B9			1	68	3	14		
C9			2	47	2	—		
D9			2	48	2	—		
E9			2	49	2	—		
F9			2	50	2	—		
G9			2	45	2	—		
H9			2	46	2	—		
A10			2	45	2	—		
B10	DO NOT TAKE SAMPLE - CONTROL WELL							
C10			2	48	2	—		
D10			2	44	2	—		
E10	168	Co	2	50	2	—		
F10	170	Co	1	76	2	16		
G10			1	62	3	13		
H10			1	79	2	14		
A11			1	60	3	12		
B11			1	62	2	11		
C11			1	50	2	9	[F]	
D11			1	55	3	8	*	
E11	170	Co	1	47	2	10		
F11	171	Co	1	82	2	18		
G11			1	63	3	11		
H11			1	52	2	8		
A12	DO NOT TAKE SAMPLE - CONTROL WELL							
B12			1	66	2	12		
C12			1	57	2	10		
D12			1	60	2	10		
E12			1	59	2	10		
F12			1	46	2	7	*	
G12			1	60	2	10		
H12	171	Co	1	48	2	8		

*H3, C7, D5, D11, F12 - RIGHT CHELA MISSING

QA/QC 11/23/15 @ ulr/kr

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 ever see a positive King Crab, please take a photo and a blood sample (use a collection plate well)!

And 3 Blood Smears

KEYS:

Species: CO = C. opilio CB = C. bairdi *or write out "opilio " or "bairdi"	Sex: 1 = Male 2 = Female 3 = Unknown	Size: Carapace Width (mm)	Shell Condition: 0 = Premolt/Molt 1 = Soft Shell 2 = New Shell 3 = Old Shell 4 = Very Old Shell 5 = Graveyard	Chela: MALE Chela Height (mm) **Optional**	BCS+: P = Visually Positive N = Visually Negative
--	--	--	--	---	--

2015 EBS *Chionoecetes* Index Site Hemolymph Collections - Pathobiology

Plate Number: 13
 Collected By: DW/DB

Vessel: 162
 Leg: 3

Keys & Comments on back



Well:	Haul #	Species	Sex	Size	Shell	Cheila	BCS+
A1	171	Co	1	50	2	8	
B1			1	50	2	8	
C1			1	55	2	9	
D1			1	53	2	10	
E1			1	76	2	14	
F1			1	48	2	8	
G1			2	47	2	-	
H1			2	49	2	-	
A2			2	41	2	-	
B2			2	49	2	-	
C2			2	48	2	-	
D2			2	49	2	-	
E2			2	46	2	-	
F2			2	46	2	-	
G2			2	46	2	-	
H2			2	49	2	-	
A3			2	46	2	-	
B3			2	44	2	-	
C3			2	49	2	-	
D3	DO NOT TAKE SAMPLE - CONTROL WELL						
E3			2	44	2	-	
F3			2	45	2	-	
G3	171	Co	2	45	2	-	
H3	173	Co	1	43	2	8	
A4			1	55	2	10	
B4			1	41	2	7	
C4			1	43	2	7	
D4			1	53	2	9	
E4			1	49	2	8	
F4			1	48	2	7	
G4			1	52	2	9	
H4			1	45	2	7	
A5			1	47	2	7	
B5			2	45	2	-	
C5			2	44	2	-	
D5			2	43	2	-	
E5			2	50	2	-	
F5			2	48	2	-	
G5	DO NOT TAKE SAMPLE - CONTROL WELL						
H5			2	45	2	-	
A6			2	48	2	-	
B6			2	43	2	-	
C6			2	45	2	-	
D6	173		2	41	2	-	
E6	174		1	56	2	11	
F6			1	45	2	7	
G6			1	45	2	8	
H6	174		1	41	2	7	

Well:	Haul #	Species	Sex	Size	Shell	Cheila	BCS+
A7	174	Co	1	38	2	6	
B7			1	37	2	6	
C7			1	37	2	6	
D7			1	35	2	5	
E7			1	36	2	6	
F7			1	36	2	6	
G7			2	50	2	-	
H7			2	36	2	-	
A8			2	42	2	-	
B8			2	39	2	-	
C8			2	38	2	-	
D8			2	42	2	-	
E8			2	45	2	-	
F8	DO NOT TAKE SAMPLE - CONTROL WELL						
G8			2	39	2	-	
H8			2	43	2	-	
A9	174	Co	2	36	2	-	
B9	183	Co	2	48	3	-	
C9			2	49	2	-	
D9			2	46	2	-	
E9			1	65	2	11	
F9			1	62	2	9	
G9			1	52	2	8	
H9			1	61	2	11	
A10			1	35	2	10	
B10	DO NOT TAKE SAMPLE - CONTROL WELL						
C10			1	72	2	13	
D10			1	60	2	9	
E10			1	64	3	11	
F10			1	56	2	9	
G10			1	59	3	12	
H10	183	Co	1	59	3	13	
A11	184	Co	2	50	3	-	
B11			2	48	2	-	
C11			1	70	2	12	
D11			1	55	2	9	
E11			1	60	2	7	
F11			1	62	2	8	
G11			1	58	2	10	
H11			1	70	2	14	
A12	DO NOT TAKE SAMPLE - CONTROL WELL						
B12			1	53	2	9	
C12			1	67	2	12	
D12			1	56	2	10	
E12			1	56	2	9	
F12			1	57	2	9	
G12			1	65	2	10	
H12	184	Co	1	61	2	10	

QABC 11/23/15 E-11 RIGHT CHELA MISSING (2) 11

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 ever see a positive King Crab, please take a photo and a blood sample (use a collection plate well)! *AND 3
Blood Smears*

KEYS:

Species: CO = <i>C. opilio</i> CB = <i>C. bairdi</i> *or write out "opilio" or "bairdi"	Sex: 1 = Male 2 = Female 3 = Unknown	Size: Carapace Width (mm)	Shell Condition: 0 = Premolt/Molt 1 = Soft Shell 2 = New Shell 3 = Old Shell 4 = Very Old Shell 5 = Graveyard	Chela: MALE Chela Height (mm) **Optional**	BCS+: P = Visually Positive N = Visually Negative
---	--	--	--	--	--

2015 EBS *Chionoecetes* Index Site Hemolymph Collections - Pathobiology

Plate Number: 14
 Collected By: DW/DB

Vessel: 162
 Leg: 3

Keys & Comments on back

Well:	Haul #	Species	Sex	Size	Shell	Chela	BCS+
A1	184	Co	1	65	2	14	
B1				57		10	
C1				60		10	
D1				63		10	
E1				91		16	
F1				64		17	
G1	184			57		9	*
H1	185			86		15	
A2				70		13	
B2				77		13	
C2				83		18	
D2				86		15	
E2				77		13	
F2				65		11	
G2				61		10	
H2				86	✓	19	
A3				58	2	11	
B3				61	3	12	
C3				79	2	14	
D3	DO NOT TAKE SAMPLE - CONTROL WELL						
E3				80		15	
F3				92		17	
G3				78		13	
H3				78		14	
A4				69	✓	11	
B4				61	2	10	
C4				74	3	12	
D4				65	2	14	
E4				57		9	
F4				60		10	
G4				68		12	
H4				63		11	
A5				65		11	
B5				61		11	
C5				67		11	
D5				59		12	
E5				90	✓	20	
F5				81	2	13	
G5	DO NOT TAKE SAMPLE - CONTROL WELL						
H5				86	3	20	
A6				72	2	12	
B6				56		9	
C6				68		11	
D6				90		16	
E6				52		8	
F6				87		20	
G6				74	✓	17	
H6	185	Co	1	83	2	20	

RIGHT CHELA MISSING - G1, G10

Well:	Haul #	Species	Sex	Size	Shell	Chela	BCS+
A7	185	Co	1	82	2	19	
B7	185			53		8	
C7	185			82		15	
D7	186			75	✓	16	
E7				74	✓	13	
F7				63	2	11	
G7				72	3	15	
H7				68	2	11	
A8				65		11	
B8				61		12	
C8				64		12	
D8				56		9	
E8				58		11	
F8	DO NOT TAKE SAMPLE - CONTROL WELL						
G8				59		10	
H8				57		9	
A9				63		10	
B9				61		9	
C9				60		11	
D9				63		11	
E9				59		10	
F9				59		7	
G9				54		9	
H9				53		9	
A10				58		9	
B10	DO NOT TAKE SAMPLE - CONTROL WELL						
C10	186			62		10	
D10	187			68		12	
E10				71		15	
F10				72		13	
G10				63		10	
H10				75		17	
A11				78		13	
B11				69		12	
C11				63		11	
D11				63		12	
E11				69		12	
F11				60		11	
G11				60		9	
H11				65		12	
A12	DO NOT TAKE SAMPLE - CONTROL WELL						
B12				66		11	
C12				61		12	
D12				73		12	
E12				62		11	
F12				68		14	
G12	✓	✓	✓	62	✓	10	
H12	187	Co	1	76	2	13	

QARC 11/23/15

© 11/16/15

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 ever see a positive King Crab, please take a photo and a blood sample (use a collection plate well)!

AND 3 Blood Smears

KEYS:

Species: CO = <i>C. opilio</i> CB = <i>C. bairdi</i> *or write out "opilio " or "bairdi"	Sex: 1 = Male 2 = Female 3 = Unknown	Size: Carapace Width (mm)	Shell Condition: 0 = Premolt/Molt 1 = Soft Shell 2 = New Shell 3 = Old Shell 4 = Very Old Shell 5 = Graveyard	Chela: MALE Chela Height (mm) **Optional**	BCS+: P = Visually Positive N = Visually Negative
--	--	--	--	--	--

2015 EBS *Chionoecetes* Index Site Hemolymph Collections - Pathobiology

Plate Number: 15
 Collected By: Du/DB

Vessel: 162
 Leg: 3

Keys & Comments on back 

Well:	Haul #	Species	Sex	Size	Shell	Chela	BCS+	
A1	188	Co	1	70	2	11		
B1				71	2	13		
C1				75	2	13		
D1				75	2	13		
E1				84	2	14		
F1				80	2	15		
G1				89	2	17		
H1				67	2	12		
A2				72	2	13		
B2				63	2	10		
C2				78	2	17		
D2				68	2	12		
E2				72	2	13		
F2				70	2	15		
G2				75	2	15		
H2				89	2	19		
A3				80	2	14		
B3				72	2	13		
C3				80	2	14		
D3	DO NOT TAKE SAMPLE - CONTROL WELL							
E3				67	2	12		
F3				83	2	15		
G3				76	2	14		
H3				77	2	14		
A4				67	2	12		
B4				78	2	14		
C4				74	2	15		
D4				83	2	15		
E4				71	2	11		
F4				81	2	14		
G4				77	2	12		
H4				74	2	14		
A5				79	2	14		
B5	V			80	2	14		
C5	188			75	2	12		
D5	189		2	50	2	-		
E5				94	2	17		
F5				74	2	16		
G5	DO NOT TAKE SAMPLE - CONTROL WELL							
H5				90	2	17		
A6	V			78	2	14		
B6	189	Co		90	2	16		
C6	210	Cb		97	3	17		
D6				93	2	12		
E6				107	2	20		
F6				59	2	7		
G6	V	V		93	2	16		
H6	210	Cb		76	2	10		

Well:	Haul #	Species	Sex	Size	Shell	Chela	BCS+	
A7	210	Cb	1	101	2	18		
B7	211	Cb	1	54	2	6		
C7	211	Cb	1	93	2	16		
D7								
E7								
F7								
G7								
H7								
A8								
B8								
C8								
D8								
E8								
F8	DO NOT TAKE SAMPLE - CONTROL WELL							
G8								
H8								
A9								
B9								
C9								
D9								
E9								
F9								
G9								
H9								
A10								
B10	DO NOT TAKE SAMPLE - CONTROL WELL							
C10								
D10								
E10								
F10								
G10								
H10								
A11								
B11								
C11								
D11								
E11								
F11								
G11								
H11								
A12	DO NOT TAKE SAMPLE - CONTROL WELL							
B12								
C12								
D12								
E12								
F12								
G12								
H12								

QA/QC 11/23/15

@ 11/23/15

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 ever see a positive King Crab, please take a photo and a blood sample (use a collection plate well)!

AND 3 BLOOD SMEARS

KEYS:

<p>Species: CO = <i>C. opilio</i> CB = <i>C. bairdi</i> *or write out "opilio" or "bairdi"</p>	<p>Sex: 1 = Male 2 = Female 3 = Unknown</p>	<p>Size: Carapace Width (mm)</p>	<p>Shell Condition: 0 = Premolt/Molt 1 = Soft Shell 2 = New Shell 3 = Old Shell 4 = Very Old Shell 5 = Graveyard</p>	<p>Chela: MALE Chela Height (mm) **Optional**</p>	<p>BCS+: P = Visually Positive N = Visually Negative</p>
--	---	--	--	---	--