

Eliminating the by catch in the conventional crab pot

Final Report

2017

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Summary

This study was devised to research a possible solution to reduce the by-catch of fishes when using the conventional crab pots. A perp panel was constructed and installed into 30 crab pots, known as "treated" (T). An additional 30 pots without perp panels were also used in the study as a control, known as "untreated" (UT). These pots were placed randomly in the Nansemond River and in the James River and the study was conducted 3 times. The data included the area being fished, the depth of the water, the water temperature, type of bottom, type of bait used, the number of crabs caught (male and female), and the type of by-catch including species and length.

Description of Project

Purpose:

The purpose of this project was to employ a simple device that would reduce the number of fish trapped in the conventional crab pot without having an effect on the number of legal crabs caught.

Methodology employed:

Three investigations were performed over the last nine months to determine if the use of a perp panel would reduce the number of by catch in the conventional crab pot. A panel was constructed and placed in a vertical position in 30 crab pots (T) compared to 30 pots without a perp panel. (UT) It was anticipated that the vertical swimmers such as spot, croaker, and in particular, the spadefish, would escape through the perp panel. This device was designed in an effort to make the crab pot species specific and reduce the by catch. This study was conducted three times and data was collected and recorded to determine if the device was effective.

Summary of data collection and analysis:

The data clearly shows the perp panel have been effective. The by-catch of Spadefish, in particular, was remarkably higher in the pots without a perp panel.

Results, conclusions, and recommendations

Results:

Results revealed that the perp panels were effective with no significant impact on the number of crabs caught.

Conclusions:

1. The placement of the panel should be moved upward (3 in.) which would allow for a more accessible escape to the perp panel.
2. There were too many pots in the study (totaling 60) considering the time limit the VMRC mandates for commercial waterman.
3. The perp panels would be even more effective on the peeler pot.

The wire on a peeler pot is significantly smaller than that on a crab pot which allows the peeler pot to have an even greater number of by catch.

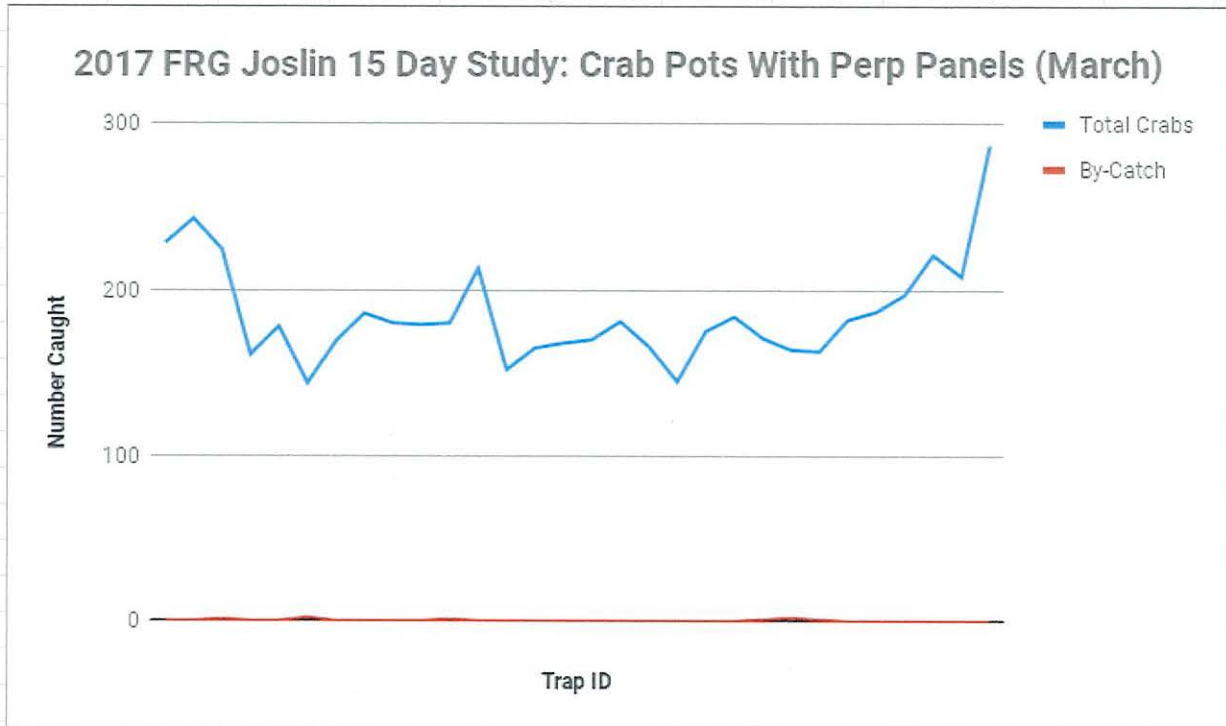
Recommendations:

1. This study should be continued with only 15 treated and 15 untreated considering the time constraint on commercial waterman.
2. The panels need to be moved upward at least 3 inches for a more accessible escape.
3. These devices need to be studied on peeler pots because of the difference in the size of the wire from that of a crab pot. It is anticipated

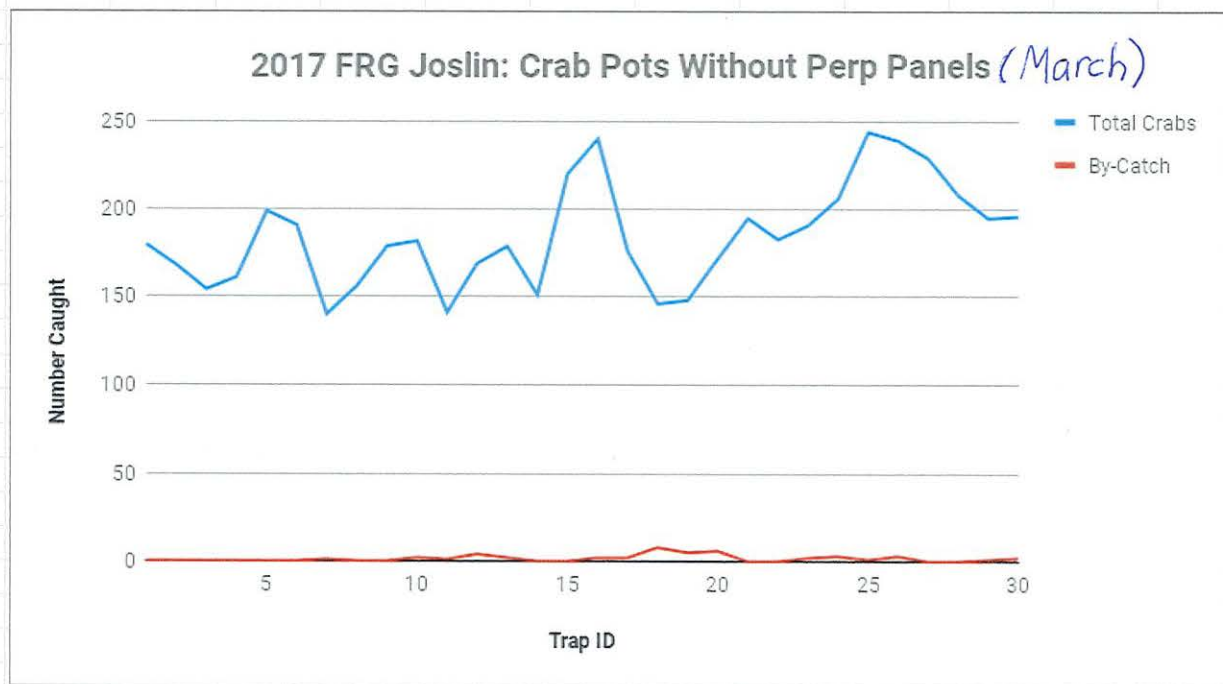
the smaller size of wire on the peeler pot, would greatly increase the bycatch.

4. We are recommending that this device or idea be patented by Nansemond River Seafood.

Trap ID	Total Crabs	By-Catch
1	228	0
2	243	0
3	224	1
4	161	0
5	178	0
6	144	2
7	169	0
8	186	0
9	180	0
10	179	0
11	180	1
12	213	0
13	152	0
14	165	0
15	168	0
16	170	0
17	181	0
18	166	0
19	145	0
20	175	0
21	184	0
22	171	1
23	164	2
24	163	1
25	182	0
26	187	0
27	197	0
28	221	0
29	208	0
30	287	0



Trap ID	Total Crabs	By-Catch
1	180	0
2	168	0
3	154	0
4	161	0
5	199	0
6	191	0
7	140	1
8	156	0
9	179	0
10	182	2
11	141	1
12	169	4
13	179	2
14	151	0
15	220	0
16	240	2
17	176	2
18	146	8
19	148	5
20	172	6
21	195	0
22	183	0
23	191	2
24	206	3
25	244	1
26	239	3
27	229	0
28	208	0
29	195	1
30	196	2



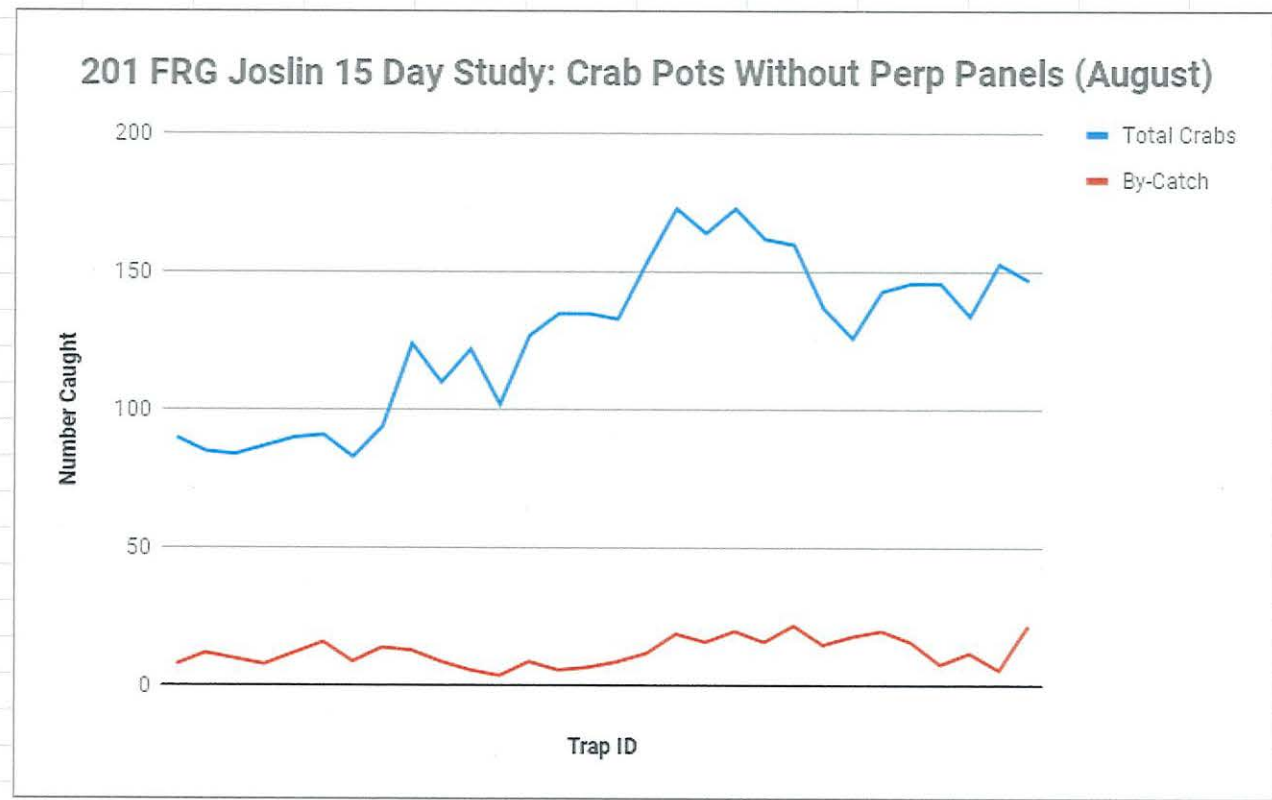
2017 FRG Joslin 15 Day Study: Crab Pots with Perp Panels (March)

Trap ID	Area	Air Temp.	Depth	Water Temp.	Bottom Type	Bait	Male Crabs	Female Crabs	Total Crabs	By-Catch	Species	Length (cm)
1T	James	38	6 ft.	53	Mud	Menhaden	50	178	228	0	N/A	
2T	James	45	6 ft.	53	Mud	Menhaden	58	185	243	0	N/A	
3T	James	54	6 ft.	53	Mud	Menhaden	62	162	224	1	Bunker	15
4T	James	56	6 ft.	53	Mud	Menhaden	35	126	161	0	N/A	
5T	James	49	6 ft.	53	Mud	Menhaden	38	140	178	0	N/A	
6T	James	55	6 ft.	53	Mud	Menhaden	34	110	144	2	Bunker	17, 22
7T	James	65	7 ft.	53	Mud	Menhaden	41	128	169	0	N/A	
8T	James	55	7 ft.	53	Mud	Menhaden	55	131	186	0	N/A	
9T	James	43	7 ft.	53	Mud	Menhaden	68	112	180	0	N/A	
10T	James	69	7 ft.	53	Mud	Menhaden	70	109	179	0	N/A	
11T	James	76	7 ft.	53	Mud	Menhaden	65	115	180	1	Sea Bass	13
12T	James	63	8 ft.	53	Mud	Menhaden	63	150	213	0	N/A	
13T	James	76	8 ft.	54	Mud	Menhaden	42	110	152	0	N/A	
14T	James	76	8 ft.	54	Mud	Menhaden	39	126	165	0	N/A	
15T	James	60	8 ft.	54	Mud	Menhaden	36	132	168	0	N/A	
16T	James	54	7 ft.	54	Mud	Menhaden	28	142	170	0	N/A	
17T	James	66	7 ft.	54	Mud	Menhaden	42	139	181	0	N/A	
18T	James	62	7 ft.	55	Mud	Menhaden	50	116	166	0	N/A	
19T	James	58	6 ft.	55	Mud	Menhaden	46	98	144	0	N/A	
20T	James	69	6 ft.	55	Mud	Menhaden	49	126	175	0	N/A	
21T	James	81	6 ft.	55	Mud	Menhaden	50	134	184	0	N/A	
22T	James	72	4 ft.	55	Mud	Menhaden	42	129	171	1	Bunker	17
23T	James	76	4 ft.	55	Mud	Menhaden	48	116	164	2	Bunker	19, 17
24T	James	55	4 ft.	55	Mud	Menhaden	55	108	163	1	Croaker	17
25T	James	64	4 ft.	55	Mud	Menhaden	62	120	182	0	N/A	
26T	James	69	4 ft.	55	Mud	Menhaden	78	109	187	0	N/A	
27T	James	78	4 ft.	55	Mud	Menhaden	85	112	197	0	N/A	
28T	James	82	4 ft.	55	Mud	Menhaden	91	130	221	0	N/A	
29T	James	76	4 ft.	55	Mud	Menhaden	98	110	208	0	N/A	
30T	James	65	4 ft.	55	Mud	Menhaden	102	185	287	0	N/A	

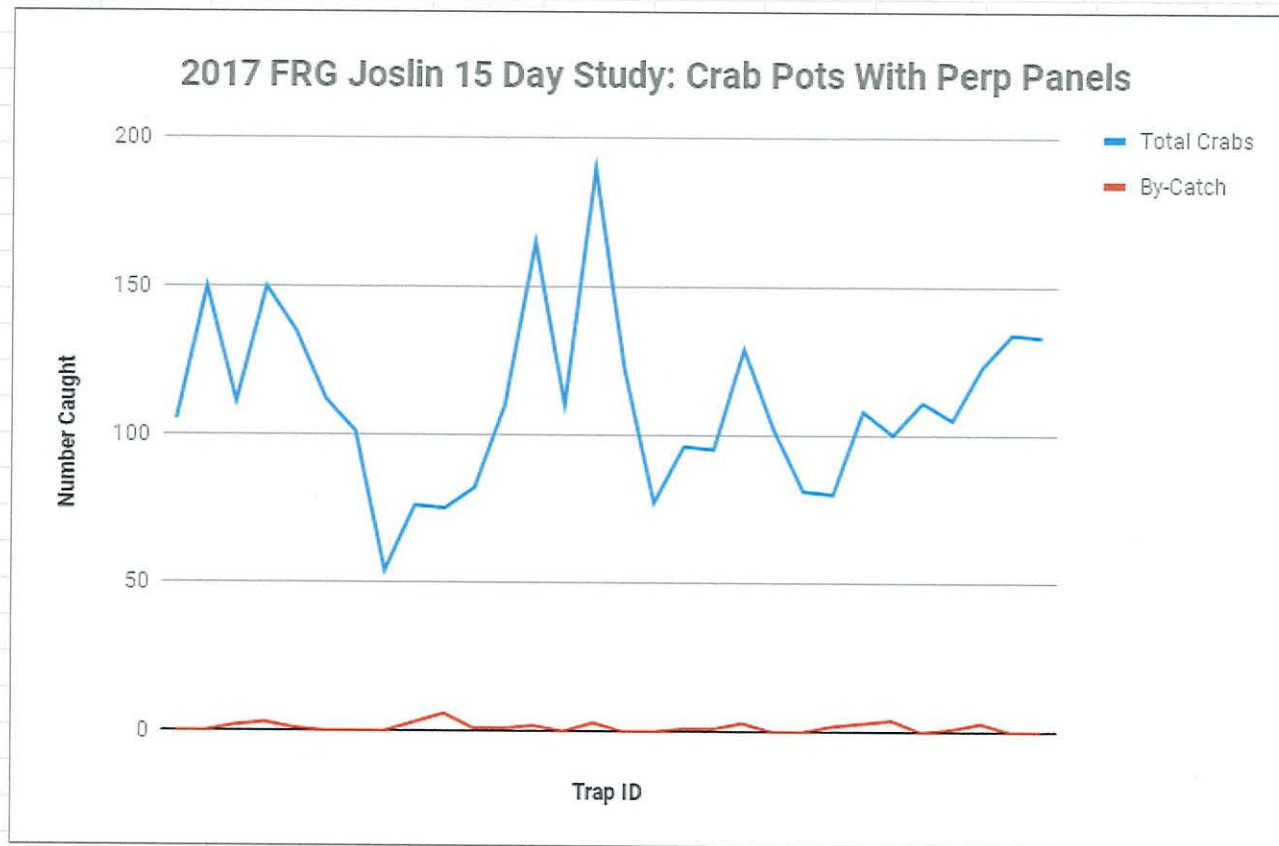
2017 FRG Joslin: Crab Pots Without Perp Panels (March Study)

Trap ID	Area	Air Temp.	Depth	Water Temp.	Bottom Type	Bait	Male Crabs	Female Crabs	Total Crabs	By-Catch	Species	Avg. Length (cm)
1U	James	38	6 ft.	53	Mud	Menhaden	0	180	180	0	N/A	
2U	James	45	6 ft.	53	Mud	Menhaden	0	168	168	0	N/A	
3U	James	54	6 ft.	53	Mud	Menhaden	2	152	154	0	N/A	
4U	James	56	6 ft.	53	Mud	Menhaden	12	149	161	0	N/A	
5U	James	49	6 ft.	53	Mud	Menhaden	15	184	199	0	N/A	
6U	James	55	6 ft.	53	Mud	Menhaden	15	176	191	0	N/A	
7U	James	65	7 ft.	53	Mud	Menhaden	19	121	140	1	Menhaden	15
8U	James	55	7 ft.	53	Mud	Menhaden	16	140	156	0	N/A	
9U	James	43	7 ft.	53	Mud	Menhaden	21	158	179	0	N/A	
10U	James	69	7 ft.	53	Mud	Menhaden	20	162	182	2	Menhaden	15, 13
11U	James	76	7 ft.	53	Mud	Menhaden	15	126	141	1	Menhaden	15
12U	James	63	8 ft.	53	Mud	Menhaden	25	144	169	4	3 Menhaden, 1 Seabass	15, 12, 10, 11
13U	James	76	8 ft.	54	Mud	Menhaden	29	150	179	2	Menhaden	15, 15
14U	James	76	8 ft.	54	Mud	Menhaden	32	119	151	0	N/A	
15U	James	60	8 ft.	54	Mud	Menhaden	38	182	220	0	N/A	
16U	James	54	7 ft.	54	Mud	Menhaden	65	175	240	2	Menhaden	14, 15
17U	James	66	7 ft.	54	Mud	Menhaden	60	116	176	2	Menhaden	15, 15
18U	James	62	7 ft.	55	Mud	Menhaden	51	95	146	8	4 Menhaden, 2 Spot, 2 Croaker	13, 13, 12, 15, 12, 10, 15, 14
19U	James	58	6 ft.	55	Mud	Menhaden	46	102	148	5	Menhaden	13, 13, 15, 15, 14
20U	James	69	6 ft.	55	Mud	Menhaden	62	110	172	6	Menhaden	15, 15, 14, 15, 13, 15
21U	James	81	6 ft.	55	Mud	Menhaden	65	130	195	0	N/A	
22U	James	72	8 ft.	55	Mud	Menhaden	57	126	183	0	N/A	
23U	James	76	8 ft.	55	Mud	Menhaden	72	119	191	2	Menhaden, Black Drum	15, 12
24U	James	55	8 ft.	55	Mud	Menhaden	61	145	206	3	2 Menhaden, 1 Hogchoke	15, 15, 10
25U	James	64	8 ft.	55	Mud	Menhaden	76	168	244	1	Menhaden	14
26U	James	69	8 ft.	55	Mud	Menhaden	85	154	239	3	Croaker	14, 15, 14
27U	James	78	8 ft.	55	Mud	Menhaden	71	158	229	0	N/A	
28U	James	82	8 ft.	55	Mud	Menhaden	89	119	208	0	N/A	
29U	James	76	8 ft.	55	Mud	Menhaden	65	130	195	1	Croaker	14
30U	James	65	8 ft.	55	Mud	Menhaden	78	118	196	2	Croaker	17, 15

Trap ID	Total Crabs	By-Catch
1	90	8
2	85	12
3	84	10
4	87	8
5	90	12
6	91	16
7	83	9
8	94	14
9	124	13
10	110	9
11	122	6
12	102	4
13	127	9
14	135	6
15	135	7
16	133	9
17	154	12
18	173	19
19	164	16
20	173	20
21	162	16
22	160	22
23	137	15
24	126	18
25	143	20
26	146	16
27	146	8
28	134	12
29	153	6
30	147	22



Trap ID	Total Crabs	By-Catch
1	105	0
2	150	0
3	111	2
4	150	3
5	135	1
6	112	0
7	101	0
8	54	0
9	76	3
10	75	6
11	82	1
12	110	1
13	165	2
14	110	0
15	190	3
16	122	0
17	77	0
18	96	1
19	95	1
20	129	3
21	102	0
22	81	0
23	80	2
24	108	3
25	100	4
26	111	0
27	105	1
28	123	3
29	134	0
30	133	0



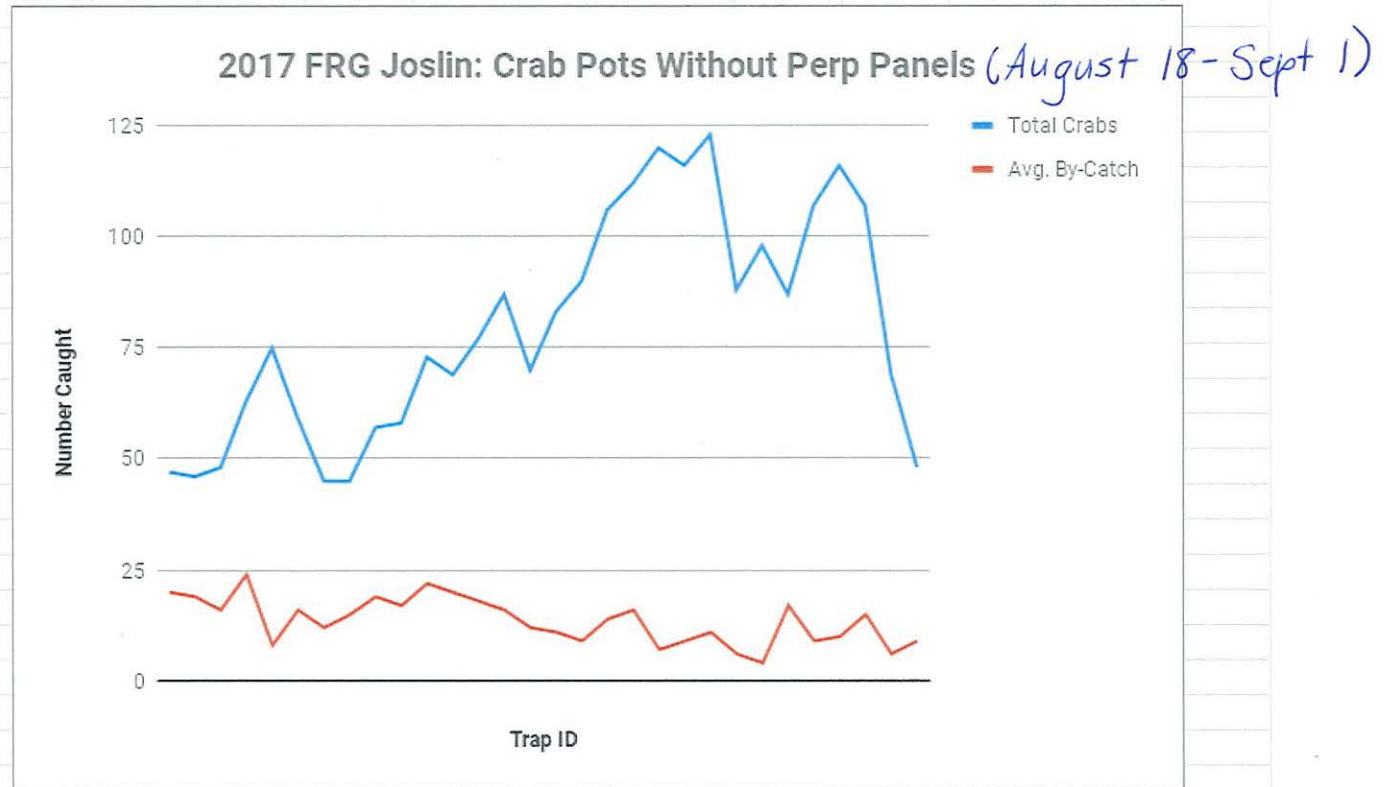
2017 FRG Joslin 15 Day Study: Crab Pots Without Perp Panels (August)

Trap ID	Area	Air Temp.	Depth	Water Temp.	Bottom Type	Bait	Male Crabs	Female Crabs	Total Crabs	By-Catch	Species	Avg. Length (cm)
1U	Nanse.	80	6 ft.	80	Mud	Menhaden	60	30	90	8	Spade	7
2U	Nanse.	80	6 ft.	80	Mud	Menhaden	58	27	85	12	Spade	8
3U	Nanse.	83	6 ft.	80	Mud	Menhaden	65	19	84	10	Spade	8
4U	Nanse.	84	6 ft.	80	Mud	Menhaden	75	12	87	8	Spade	9
5U	Nanse.	81	6 ft.	80	Mud	Menhaden	71	19	90	12	Spade	11
6U	Nanse.	82	6 ft.	80	Mud	Menhaden	70	21	91	16	Spade	7
7U	Nanse.	90	7 ft.	80	Mud	Menhaden	65	18	83	9	Spade	7
8U	Nanse.	85	7 ft.	80	Mud	Menhaden	78	16	94	14	Spade	8
9U	Nanse.	89	7 ft.	80	Mud	Menhaden	89	35	124	13	Spade	8
10U	Nanse.	94	7 ft.	80	Mud	Menhaden	65	45	110	9	Spade	8
11U	Nanse.	87	7 ft.	80	Mud	Menhaden	72	50	122	6	Spade	7
12U	Nanse.	89	8 ft.	80	Mud	Menhaden	78	24	102	4	3 Spade, 1 Toad	9
13U	Nanse.	90	8 ft.	80	Mud	Menhaden	85	42	127	9	Spade	9
14U	Nanse.	87	8 ft.	80	Mud	Menhaden	90	45	135	6	Spade	6
15U	Nanse.	82	8 ft.	80	Mud	Menhaden	102	33	135	7	Spade	7
16U	Nanse.	82	7 ft.	79	Mud	Menhaden	105	28	133	9	Spade	8
17U	Nanse.	82	7 ft.	79	Mud	Menhaden	115	39	154	12	Spade	8
18U	Nanse.	79	7 ft.	79	Mud	Menhaden	121	52	173	19	Spade	9
19U	Nanse.	79	6 ft.	79	Mud	Menhaden	116	48	164	16	Spade	9
20U	Nanse.	72	6 ft.	78	Mud	Menhaden	122	51	173	20	Spade	10
21U	Nanse.	77	6 ft.	78	Mud	Menhaden	130	32	162	16	Spade	10
22U	Nanse.	86	4 ft.	78	Mud	Menhaden	118	42	160	22	Spade	10
23U	Nanse.	76	4 ft.	78	Mud	Menhaden	102	35	137	15	Spade	10
24U	Nanse.	80	4 ft.	78	Mud	Menhaden	100	26	126	18	Spade	10
25U	Nanse.	78	4 ft.	78	Mud	Menhaden	98	45	143	20	Spade	9
26U	Nanse.	83	4 ft.	78	Mud	Menhaden	92	54	146	16	Spade	9
27U	Nanse.	87	4 ft.	78	Mud	Menhaden	85	61	146	8	Spade	6
28U	Nanse.	83	4 ft.	78	Mud	Menhaden	71	63	134	12	Spade	9
29U	Nanse.	85	4 ft.	80	Mud	Menhaden	78	75	153	6	5 Spade, 1 Hogchoke	10
30U	Nanse.	85	4 ft.	80	Mud	Menhaden	62	85	147	22	Spade	10

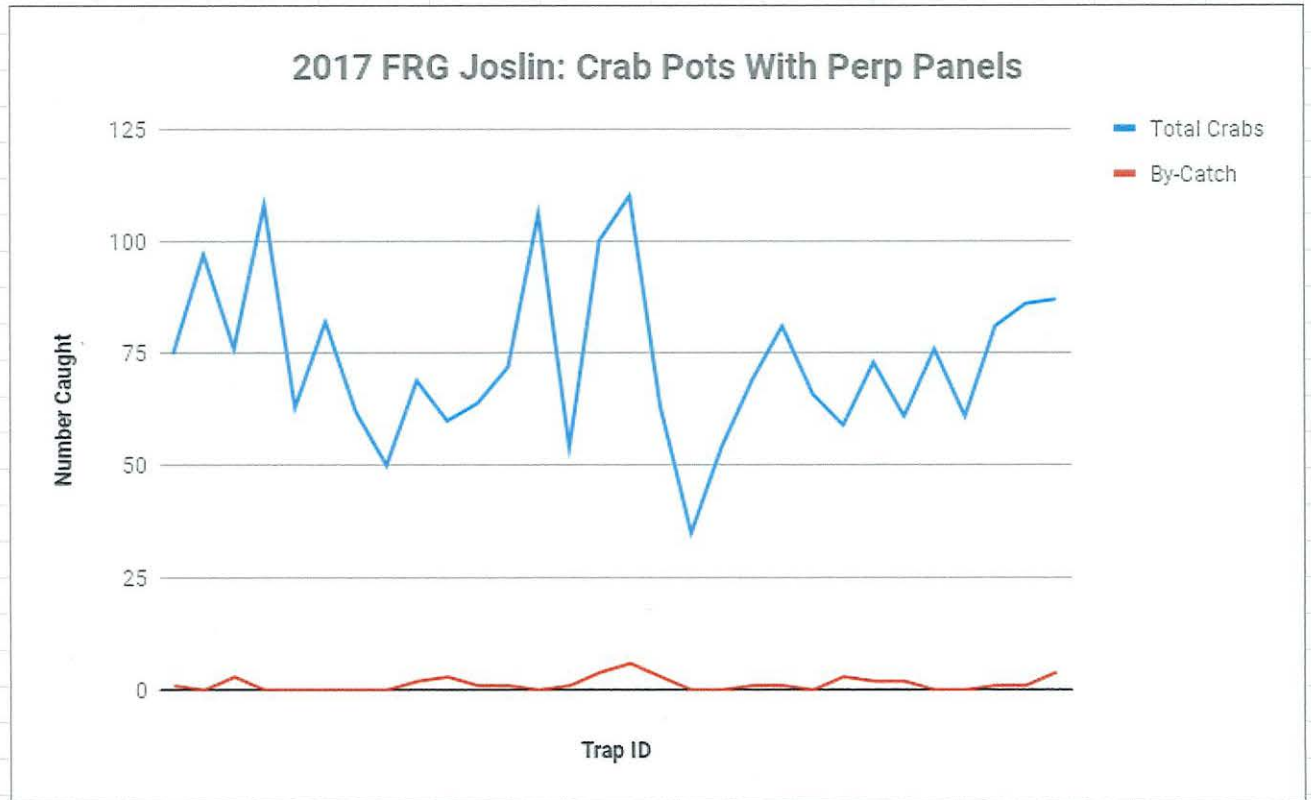
2017 FRG Joslin 15 Day Study: Crab Pots with Perp Panels (August)

Trap ID	Area	Air Temp.	Depth	Water Temp.	Bottom Type	Bait	Male Crabs	Female Crabs	Total Crabs	By-Catch	Species	Length (cm)
1T	Nanse.	80	6 ft.	80	Mud	Menhaden	75	30	105	0	N/A	
2T	Nanse.	80	6 ft.	80	Mud	Menhaden	120	30	150	0	N/A	
3T	Nanse.	83	6 ft.	80	Mud	Menhaden	105	6	111	2	2 Spade	7, 10
4T	Nanse.	84	6 ft.	80	Mud	Menhaden	135	15	150	3	3 Spade	6, 8, 11
5T	Nanse.	81	6 ft.	80	Mud	Menhaden	75	60	135	1	Toad	13
6T	Nanse.	82	6 ft.	80	Mud	Menhaden	90	22	112	0	N/A	
7T	Nanse.	90	7 ft.	80	Mud	Menhaden	86	15	101	0	N/A	
8T	Nanse.	85	7 ft.	80	Mud	Menhaden	45	9	54	0	N/A	
9T	Nanse.	89	7 ft.	80	Mud	Menhaden	64	12	76	3	2 Spade, 1 Toad	7, 6, 13
10T	Nanse.	94	7 ft.	80	Mud	Menhaden	30	45	75	6	6 Spade	7, 7, 6, 8, 9, 9
11T	Nanse.	87	7 ft.	80	Mud	Menhaden	42	40	82	1	1 Spade	9
12T	Nanse.	89	8 ft.	80	Mud	Menhaden	45	65	110	1	1 Spade	10
13T	Nanse.	90	8 ft.	80	Mud	Menhaden	75	90	165	2	2 Spade	7, 8
14T	Nanse.	87	8 ft.	80	Mud	Menhaden	60	50	110	0	N/A	
15T	Nanse.	82	8 ft.	80	Mud	Menhaden	120	70	190	3	3 Spade	10, 12, 10
16T	Nanse.	82	7 ft.	79	Mud	Menhaden	113	9	122	0	N/A	
17T	Nanse.	82	7 ft.	79	Mud	Menhaden	65	12	77	0	N/A	
18T	Nanse.	79	7 ft.	79	Mud	Menhaden	90	6	96	1	Spade	11
19T	Nanse.	79	6 ft.	79	Mud	Menhaden	75	20	95	1	Spade	13
20T	Nanse.	72	6 ft.	78	Mud	Menhaden	109	20	129	3	3 Spade	6, 9, 10
21T	Nanse.	77	6 ft.	78	Mud	Menhaden	78	24	102	0	N/A	
22T	Nanse.	86	4 ft.	78	Mud	Menhaden	69	12	81	0	N/A	
23T	Nanse.	76	4 ft.	78	Mud	Menhaden	70	10	80	2	2 Spade	9, 9
24T	Nanse.	80	4 ft.	78	Mud	Menhaden	90	18	108	3	3 Spade	6, 7, 5
25T	Nanse.	78	4 ft.	78	Mud	Menhaden	85	15	100	4	4 Spade	7, 7, 6, 9
26T	Nanse.	83	4 ft.	78	Mud	Menhaden	96	15	111	0	N/A	
27T	Nanse.	87	4 ft.	78	Mud	Menhaden	75	30	105	1	Toad	20
28T	Nanse.	83	4 ft.	78	Mud	Menhaden	102	21	123	3	3 Spade	8, 9, 7, 9
29T	Nanse.	85	4 ft.	80	Mud	Menhaden	115	19	134	0	N/A	
30T	Nanse.	85	4 ft.	80	Mud	Menhaden	108	25	133	0	N/A	

Trap ID	Total Crabs	Avg. By-Catch
1	47	20
2	46	19
3	48	16
4	63	24
5	75	8
6	59	16
7	45	12
8	45	15
9	57	19
10	58	17
11	73	22
12	69	20
13	77	18
14	87	16
15	70	12
16	83	11
17	90	9
18	106	14
19	112	16
20	120	7
21	116	9
22	123	11
23	88	6
24	98	4
25	87	17
26	107	9
27	116	10
28	107	15
29	69	6
30	48	9



Trap ID	Total Crabs	By-Catch
1	75	1
2	97	0
3	76	3
4	108	0
5	63	0
6	82	0
7	62	0
8	50	0
9	69	2
10	60	3
11	64	1
12	72	1
13	106	0
14	54	1
15	100	4
16	110	6
17	63	3
18	35	0
19	54	0
20	69	1
21	81	1
22	66	0
23	59	3
24	73	2
25	61	2
26	76	0
27	61	0
28	81	1
29	86	1
30	87	4



2017 FRG Joslin: Crab Pots Without Perp Panels (August 18 - September 4)

Trap ID	Area	Air Temp.	Depth	Water Temp.	Bottom Type	Bait	Male Crabs	Female Crabs	Total Crabs	Avg. By-Catch	Species	Avg. Length (cm)
1U	Nansemond	90	6 ft.	80	Mud	Menhaden	35	12	47	20 2	Spade	8
2U	Nansemond	90	6 ft.	80	Mud	Menhaden	30	16	46	19 21	Spade	7
3U	Nansemond	90	6 ft.	80	Mud	Menhaden	40	8	48	16 4	Spade	8
4U	Nansemond	90	6 ft.	80	Mud	Menhaden	51	12	63	24 32	Spade	6
5U	Nansemond	90	6 ft.	80	Mud	Menhaden	60	15	75	8	Spade	7
6U	Nansemond	90	6 ft.	80	Mud	Menhaden	50	9	59	16 2	Spade	9
7U	Nansemond	90	6 ft.	80	Mud	Menhaden	37	8	45	12 +	Spade	9
8U	Nansemond	90	6 ft.	80	Mud	Menhaden	39	6	45	15 2	Spade	6
9U	Nansemond	90	6 ft.	80	Mud	Menhaden	42	15	57	19 31	Spade	6
10U	Nansemond	90	6 ft.	80	Mud	Menhaden	38	20	58	17 2	Spade	9
11U	Nansemond	90	7 ft.	80	Mud	Menhaden	51	22	73	22 3	Spade	8
12U	Nansemond	90	7 ft.	80	Mud	Menhaden	65	4	69	20 31	Spade	8
13U	Nansemond	90	7 ft.	80	Mud	Menhaden	68	9	77	18 2	Spade	8
14U	Nansemond	90	7 ft.	80	Mud	Menhaden	80	7	87	18	Spade	7
15U	Nansemond	90	7 ft.	80	Mud	Menhaden	58	12	70	12	Spade	7
16U	Nansemond	88	7 ft.	80	Mud	Menhaden	75	8	83	12	Spade	7
17U	Nansemond	88	7 ft.	80	Mud	Menhaden	85	5	90	9	Spade	8
18U	Nansemond	88	7 ft.	80	Mud	Menhaden	87	19	106	14 2	Spade	8
19U	Nansemond	88	7 ft.	80	Mud	Menhaden	90	22	112	16 4	Spade	9
20U	Nansemond	88	7 ft.	80	Mud	Menhaden	90	30	120	7	Spade	9
21U	Nansemond	88	8 ft.	80	Mud	Menhaden	100	16	116	9	Spade	10
22U	Nansemond	88	8 ft.	80	Mud	Menhaden	106	17	123	11 7	Spade	9
23U	Nansemond	88	8 ft.	80	Mud	Menhaden	68	20	88	8	Spade	9
24U	Nansemond	88	8 ft.	80	Mud	Menhaden	77	21	98	4	Spade	7
25U	Nansemond	88	8 ft.	80	Mud	Menhaden	69	18	87	17 31	Spade	7
26U	Nansemond	88	8 ft.	80	Mud	Menhaden	76	31	107	9	Spade	6
27U	Nansemond	88	8 ft.	80	Mud	Menhaden	80	36	116	10	Spade	6
28U	Nansemond	88	8 ft.	80	Mud	Menhaden	68	39	107	15 4	Spade	7
29U	Nansemond	88	8 ft.	80	Mud	Menhaden	54	15	69	6	Spade	6
30U	Nansemond	88	8 ft.	80	Mud	Menhaden	39	9	48	2 2	Spade	7

2017 FRG Joslin 15 Day Study: Crab Pots with Perp Panels (August 18 - September 4)

Trap ID	Area	Avg. Air Temp.	Depth	Water Temp.	Bottom Type	Bait	Male Crabs	Female Crabs	Total Crabs	By-Catch	Species	Length (cm)
1T	Nansemond	90	6 ft.	80	Mud	Menhaden	60	15	75	1	Spade	6
2T	Nansemond	90	6 ft.	80	Mud	Menhaden	85	12	97	0	N/A	
3T	Nansemond	90	6 ft.	80	Mud	Menhaden	70	6	76	3	Spade	6, 6, 7
4T	Nansemond	90	6 ft.	80	Mud	Menhaden	100	8	108	0	N/A	
5T	Nansemond	90	6 ft.	80	Mud	Menhaden	48	15	63	0	N/A	
6T	Nansemond	90	6 ft.	80	Mud	Menhaden	65	17	82	0	N/A	
7T	Nansemond	90	6 ft.	80	Mud	Menhaden	52	10	62	0	N/A	
8T	Nansemond	90	6 ft.	80	Mud	Menhaden	40	10	50	0	N/A	
9T	Nansemond	90	6 ft.	80	Mud	Menhaden	60	9	69	2	Spade	7, 8
10T	Nansemond	90	6 ft.	80	Mud	Menhaden	32	28	60	3	Spade	7, 6, 6
11T	Nansemond	90	7 ft.	80	Mud	Menhaden	38	26	64	1	Spade	6
12T	Nansemond	90	7 ft.	80	Mud	Menhaden	41	31	72	1	Spade	5
13T	Nansemond	90	7 ft.	80	Mud	Menhaden	56	50	106	0	N/A	
14T	Nansemond	90	7 ft.	80	Mud	Menhaden	42	12	54	1	Spade	5
15T	Nansemond	90	7 ft.	80	Mud	Menhaden	69	31	100	4	Spade	6, 5, 7, 8
16T	Nansemond	88	7 ft.	80	Mud	Menhaden	90	20	110	6	Spade	7, 7, 6, 3, 8, 7
17T	Nansemond	88	7 ft.	80	Mud	Menhaden	54	9	63	3	Spade	6, 6, 5
18T	Nansemond	88	7 ft.	80	Mud	Menhaden	30	5	35	0	N/A	
19T	Nansemond	88	7 ft.	80	Mud	Menhaden	42	12	54	0	N/A	
20T	Nansemond	88	7 ft.	80	Mud	Menhaden	58	11	69	1	Spade	6
21T	Nansemond	88	8 ft.	80	Mud	Menhaden	65	16	81	1	Spade	7
22T	Nansemond	88	8 ft.	80	Mud	Menhaden	58	8	66	0	N/A	
23T	Nansemond	88	8 ft.	80	Mud	Menhaden	50	9	59	3	Spade	7, 6, 7
24T	Nansemond	88	8 ft.	80	Mud	Menhaden	66	7	73	2	Spade	6, 5
25T	Nansemond	88	8 ft.	80	Mud	Menhaden	51	10	61	2	Spade	5, 7
26T	Nansemond	88	8 ft.	80	Mud	Menhaden	68	8	76	0	N/A	
27T	Nansemond	88	8 ft.	80	Mud	Menhaden	49	12	61	0	N/A	
28T	Nansemond	88	8 ft.	80	Mud	Menhaden	62	19	81	1	Spade	7
29T	Nansemond	88	8 ft.	80	Mud	Menhaden	70	16	86	1	Spade	8
30T	Nansemond	88	8 ft.	80	Mud	Menhaden	77	10	87	4	Spade	7, 7, 8, 7