

MGL's Filing April 23, 2020 at 4:25 p.m.

Contains Exhibits A through E and David Black's Rebuttal Testimony 1/16/20

The following documents that were not admitted to the record have been redacted (Fifteenth Procedural Order).

- Email to DMR Commissioner Patrick Keliher dated March 2, 2020 requesting an adjudicatory hearing on Nordic's applications, and incorporating a January 23, 2020 email to Denis-Marc Nault at DMR providing information on mercury contamination in Penobscot Bay to DMR; and
- March 2, 2020 letter from Ms. Tucker to Commissioner Keliher requesting that DMR conduct an adjudicatory hearing on Nordic's proposed project.

# EXHIBIT

## A

## STATEMENT OF WAYNE CANNING

My name is Wayne Canning and I am the District 11 representative for the State of Maine Zone D Lobster Management Policy Council. I represent 100 lobster fishermen in this area. (Attached is list of names and commercial lobster license numbers of all fishermen that I represent in Zone D, District 11). The purpose of this statement is to provide concerns and facts to the Maine Board of Environmental Protection regarding the licensing request for intake and discharge pipes proposed by Nordic Aquafarms for their RAS project located in Belfast and Northport.

While every fisherman in Zone D and in Penobscot Bay would be adversely impacted by this project, those individuals in my District, District 11, would be impacted the most. As I discuss this project with fishermen regularly, it is very clear that a majority of the fishermen working in the area of this proposed pipe are very concerned and opposed to this project.

Local fishermen have the best knowledge of the conditions in the bay, and have seen the impacts of other similar projects which have caused great harm to the environment in Upper Penobscot Bay. Examples follow:

- Periodic dredging at Mack point in Searsport causes lobster production to decline in areas close to the projects.
- The dredging of Belfast Harbor in 2003 caused a sharp decline lobster production that lasted for a decade. (See attached letter from DELA).
- The placement of a sewer pipeline across Belfast Harbor in the year 2000 stopped lobster migration into the inner harbor and up the river. This area had previously been very productive lobster fishing, and has never returned to its earlier production.

The Nordic Aquafarms pipeline as proposed will affect lobster fishing in Upper Penobscot Bay in the following ways:

- Dredging and blasting for construction of this pipeline will cause lobsters to avoid the area the same as it does in any other dredging project.
- Buried mercury is a known contaminant in the bottom sediment in this area. This mercury contaminated sediment, found to be in this locations during the federal court's Penobscot River Mercury Study, will obviously be disturbed not only by dredging and blasting, but by the continuous operation of this pipeline.
- The Penobscot River is now closed to all lobster and crab fishing as far South as Stockton Harbor due to methyl mercury contamination found in samples of the lobsters and crabs taken from that area. This contamination was caused by buried mercury in the river being dislodged solely by river currents. When that area was closed, several fishermen including myself were displaced and can no longer fish there. **WE DO NOT WANT THE SAME THING TO HAPPEN IN BELFAST BAY BECAUSE OF THE NORDIC AQUAFARMS PIPELINE, IT'S CONSTRUCTION AND IT'S OPERATION.**
- As any fisherman can tell you, lobsters are very sensitive to even slight changes in the environment. This project proposes to dump enormous amounts of brackish and warm water (15°-18° Celcius; 59°-64.4° Fahrenheit) into a small area of Belfast Bay. This alone will cause lobsters and crabs to move away and not return to the area. Many fishermen will be displaced by the impacts of this project. Due to the very territorial nature of the lobstering society, it is almost impossible to relocate your fishing business to someone else's area. Many conflicts would arise.
- Interestingly, this pipeline is located just over 1 mile from the proposed dump site for the Searsport Harbor Improvement Dredge Project that resulted in huge controversy and was finally canceled because it would have caused so much destruction to the environment. **THE NORDIC AQUAFARMS PROJECT SHOULD NOT BE APPROVED FOR VERY SIMILAR REASONS.**

Lobster landings in this area have doubled in the last decade when there has been no disruption of the bottom sediments. (see State landings data for Waldo County). Nordic Aquafarms' claims that this area has few lobsters is simply false. While landings in this area are lower than other areas of the state, it is a

very important industry for Waldo County. Remember that this is a very small area, and up to 100 fishermen make a living here year in and year out. The lobster landings by these 100 fishermen are worth 3 to 5 times the amount of those landings to the local Midcoast economy according to the Maine Lobster Institute. This is a significant economic contribution to the Maine economy that will be lost if this project is allowed to proceed.

Additionally, there are several local fishermen who fish for crabs in the winter months that would be adversely impacted by this project - as would the other local businesses that then sell the catch these lobstermen bring in.

Underwater pipelines have been the root and cause of many environmental disasters over time, and this project will be no different. The few jobs that may be created by this pipeline on the mainland will be more than offset by the displaced fishermen and lost jobs of the fishermen in my District. The ripple effect in the restaurant and tourism industries will also be significant.

As the fishermen's representative in this area, I ask that you do not approve any permits for the Nordic Aquafarms pipeline proposal.

Sincerely,  
Wayne Canning  
Zone D District 11 representative

A handwritten signature in cursive script that reads "Wayne Canning". The signature is written in dark ink and is positioned below the typed name and title.

Downeast Lobstermen's Association  
P. O. Box 88  
Belfast, ME 04915  
May 4, 2013

Project Manager Barbara Blumeris  
US Army Corps of Engineers  
New England District, Engineering & Planning Division  
696 Virginia Road  
Concord, MA 01742

Re: Searsport Harbor Dredging Project

Dear Ms. Blumeris,

Our first and most important reason for writing this letter is to request a full Environmental Impact Statement to be conducted on the Searsport Harbor Dredging project as well as a public hearing.

We feel that the impact of this dredging project could have an adverse effect on the upper Penobscot Bay. We understand that the maintenance part of this project is a small percentage of the entire project that is being proposed.

The big concern that needs to be addressed comes into the *expansion* of the project. The amount of bottom that will be removed and re-located "down toward the "I - I" Buoy", which is not classified as a "Dumpsite," will have a devastating impact on the lobster fishery in this area.

The maintenance of the existing channel should not be incorporated into an expansion project which has no relevance due to the fact that the LPG tankers will not be using the Searsport Facility.

Our members have been and continue to be involved in environmental studies concerning pollution issues and the impact of it on our marine resources. The balance of our marine eco-system is starting to make a come-back after the devastation of the dredging of Belfast Harbor from the last decade. This recovery has taken "years."

We strongly urge that the scientific and environmental data/impact of this project should be shared with the public, so those that will be directly affected by this will have an opportunity to voice their concerns.

Respectfully Submitted,

*Sheila H. Dassatt*  
Sheila H. Dassatt  
Executive Director

Downeast Lobstermen's Association - [dassatt711@yahoo.com](mailto:dassatt711@yahoo.com), 207 338-1406













LINE#	NAME	ADDRESS	CITY	STATE	ZIP	PHONE	EMAIL
14860	STOTZ	ZACHARY	S				
70256	TAYLOR	MATTHEW	J				
9381	TEDROW	JOHN	C				
1148	THOMPSON	HENRY	D	SR			
2422	VERNEY	BRETT	K				
771	WALDRON	RICHARD	L				
5902	WEEKS	KRISTOPHER	M				
452	WESTHAVER	KYLE	C				
803	WHITMORE	GREGORY					
4566-A	WOTTON	DONALD	A	JR			
5139	WOTTON	MERRITT	G				
5147	WOTTON	MITCHELL	R				
4146	AREY	SHERRILL	L				
4343	BARBOUR	GLENN					
3843	BOYINGTON	RALPH	L				
9619	BRADLEY	ROBERT	B				
3680	BROWN	GLEN	L				
99050	CARTER	DANIEL	B				
6737	CARTER	EUGENE	E				
1185	CARTER	NORMAN	E				
17011	CARTER	RAYMOND	E				
6574	CARTER	RONALD	E				
17011-11	CARTER	SCOTT	R				
70111	CARTER	TONY	M				
67371	CARTER	TRAVIS	E				
7011	CARTER	TROY	E				
7150	CLIFFORD	GARY	L				
4063	COFFIN	SCOTT	F				
1462	COLLAMORE	CLINTON	E	SR			
6811	COLLAMORE	GILBERT	W	JR			
5045	COLLYER	BENJAMIN					
14840	COLLYER	MICHAEL	N				
9316	CREAMER	HARLAN	A				
9877	CREAMER	MILLARD	A				
7955	DAVIS	DANA					
2293	DAY	DUSTIN	W				
3312	ELLSWORTH	JAMES	D				
2494	FAHEY	MICHAEL	S				
4408	FRASER	CONNOR					
4771	GENTHNER	GARY	E	JR			
8955	GENTHNER	GARY	E	SR			
11912	GENTHNER	GARY	E				
6395	GENTHNER	GLENN					
4774	GENTHNER	RICKY					
5812	GLIDDEN	KENNETH	W	II			
7100	GLIDDEN	KENNETH	W	SR			
5225	GLIDDEN	SHIRLEY	L				
5813	GLIDDEN	TROY					
8138	GUPTILL	FRANK		IV			
6240	HARVEY	JASON	N				
6721	HARVEY	JOSHUA	A				
9938	HARVEY	SHANNON	L				
10008	HARVEY	SHELDON	R				
4532	HARVEY	WAYNE	R	II			
73543	JOHNSON	DANA	E				
143	JOHNSON	PAUL	G				
3743	JOURDET	BURTON	M				
6934	KELLEY	EUGENE	R				
9505	LEE	DONALD	E				
1787-B	LEVENSALER	DANA	A				
3153-A	LEVENSALER	RICHARD	D	III			
3153	LEVENSALER	RICHARD	D	JR			
4279	MCLAUGHLIN	ROBBIE	P				
6277	MCLAUGHLIN	ROBERT	W				
72355	MCLAUGHLIN	SHANNON	W				
72356	MCLAUGHLIN	STEVEN	M				
8296	O'BRIEN	BRADY	J				
8188	O'BRIEN	TRAVIS	M				
8844	OSIER	DAVID	J				
8689	OSIER	DAVID	N				
5274	PARLIN	DERRICK	A				
3884	POLAND	BOBBIE	S				
13197	POLAND	CLYDE	R				
99611	POLAND	FERNALD	J				
1000	POLAND	RONALD	S				
3891	POLAND	RONALD	T				
1425	PRIOR	CLEVELAND	E				
2245	PRIOR	CRAIG	E				
717	PRIOR	VERGE	S	JR			
2676	REED	CHAD	A				
3993	SIMMONS	AARON	A				
99795	SIMMONS	CHARLES	A				
2763	SIMMONS	DONALD	W	SR			
7685	SIMMONS	STEVEN	M				
6536	WEEKS	JASON	T				
2992	WINCHENBACH	SCOT	W				
8814	WITHAM	ADAM	M				
8362	ACHORN	JONATHAN					
71663	ACHORN	ROBERT	C				
1048	ALEXANDER	ALEXANDER	M				
9612	BARTER	CHANDLER	W				
60	BARTER	RICHARD	W				
3986	BENNER	ALEXANDER	B				
8551	BENNER	CHAD	William				









Table with columns for ID, Name, Address, City, State, Zip, and Email. Contains a large list of personal records.



170345  
2770  
9757  
2769

PEASLEE  
IRELAND  
JONES  
JONES  
CHASE  
LIAM  
GRACE  
MADELEINE

126 BENNER LN  
132 PLEASANT ST  
132 pleasant st  
132 PLEASANT ST

WHITEFIELD  
YARMOUTH  
Yarmouth  
YARMOUTH

ME  
ME  
ME  
ME  
04353  
04096  
04096  
04096  
LCS  
LCS  
LCS  
LCS

[207-208-9980](tel:207-208-9980)  
[207-828-4882](tel:207-828-4882)  
[207-828-4882](tel:207-828-4882)  
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MERRITTCAREY@GMAIL  
Y2025MADJON@YARMO

# EXHIBIT

## B

**Statement of David Black  
July 10, 2019**

My name is David Black, a resident of Belfast Maine, and a lobster fisherman working from Belfast Harbor for 55 years.

Please include the information in this statement as part of the discussion on applications before you regarding the Nordic Aquafarms proposal to construct multiple pipelines into Upper Penobscot Bay in Belfast and Northport for the purpose of providing the intake of seawater and the discharge of effluents from the RAS facility proposed by Nordic Aquafarms to be located in Belfast, Maine.

As a local fisherman, I derive a significant portion of my annual income from the area beneath and adjacent to the proposed location of the Nordic Aquafarms pipeline. Therefore, I have considerable local knowledge of the area that I would like to share with you. I am sure that upon a total review of local information regarding this project that you will have many concerns about the environmental dangers and consequences of this proposed pipeline, just as I do.

Belfast Bay has a long productive history of fishing which has been diminished over time due to many municipal and industrial pollution sources. These pollution sources include decades of raw municipal sewage disposal from many points around the bay, untreated chicken waste from area poultry plants, fish waste from a long operating fish canning factory as well as mercury contamination in the bay from a facility on the Penobscot River. Add to these several dredging projects in Belfast, Searsport and other ports and you begin to see the degree of pollution this bay has suffered in the past.

I will discuss these pollution concerns separately:

#### **MUNICIPAL SEWAGE**

When I was young, raw sewage was a common sight in the bay. In recent decades, the municipal sewage outfalls around the Bay have mostly been identified and corrected. The result has been lower fecal coliform levels and increased availability of clean shellfish resources.

#### **INDUSTRIAL WASTE**

During the 20th century there were 2 poultry processing plants and 1 fish canning factory in Belfast that dumped untreated chicken waste and some fish waste through large pipelines directly into Belfast Harbor. The Harbor was so fouled with this effluent that Belfast Harbor was listed in the U.S.Coast Pilot publication as a harbor to avoid when cruising the Coast of Maine. After the closures of these factories, and the elimination of these discharge pipes, the bay became cleaner and more appealing to the public. However, I can tell you that today the remnants of those discharges remain in the sediment on the bottom of the bay. I believe it will take many a lifetime for this area to completely clean itself.

#### **DREDGING**

In my experience, whenever there was a dredging project at Mack Point in Searsport Harbor, the lobster catch in the area slowed for several years until the environment recovered. Additionally, when Belfast Harbor was dredged in 2003, it took a decade for the environment to

recover according to a letter from the Downeast Lobstermen's Association to the U.S. Army Corps of Engineers dated May 4, 2013.

Please note that the most recent attempt to dredge Searsport Harbor was cancelled due to environmental concerns.

## **MERCURY**

Mercury contamination in the bay from unconfined industrial mercury pools in the Penobscot River being moved downriver by the current has resulted in 13 square miles at the mouth of the Penobscot River being closed to all lobster and crab fishing due to methyl mercury contamination in these shellfish. Further studies by the federal court have identified buried mercury in other areas of the bay and specifically in the area of the proposed Nordic Aquafarms pipeline.

Can we now feel comfortable with a new pipeline proposal by Nordic Aquafarms to be constructed in Belfast Bay based upon this history? Each of the aforementioned sources of pollution were the result of projects permitted by the State of Maine and the Federal government over long periods of time.

I can think of several reasons to be very cautious with this project and they are as follows:

- This proposed pipeline is to be located just over a mile from the very controversial and failed proposal to dredge and dispose of sediments from the Searsport Harbor Improvement project in Upper Penobscot Bay.
- Dredging and blasting resulting from this project will produce the same impact as other dredging projects in the area.
- The construction and operation of this pipeline is directly in an area identified as containing buried mercury that would be continuously impacted releasing mercury to be ingested by sea life resulting in further closures of lobster and crab fishing areas where I make my living.
- This project proposes discharging 7.7 million gallons of brackish warm water into the bay every day! I was told by the project manager for this RAS facility that this volume of water equals nearly 50 percent of the total water volume of this RAS facility being discharged daily. An existing RAS system in Maine is run by the University of Maine and the operator of that facility has stated that they discharge only 10 percent of the total water volume daily, a significant difference. This is water that would be heated between 5 and 30 degrees Fahrenheit above the ambient temperature of seawater from the bay (depending on the time of year) - combined with ground water from wells. It is very unreasonable to assume that this water which has been described by the applicant as cleaner than the water being pumped into the facility from the bay, should be discarded so soon after mixing and heating. This does not sound like a RAS facility at all but rather a flow thru system. This warm and brackish water will cause lobsters to leave the area for more saline and temperate conditions. This concern alone will cause great economic hardship for myself and other local fishermen.

- The chief technical officer for Nordic Aquafarms explained to me one day in his office that all discharge water from this facility will be run through a .4 micron filter before reentering the bay. Again, at the RAS system run by the University of Maine the minimum water filter is 30 microns, almost 80 times larger than the filters being proposed by Nordic! The manager of that facility stated that filters finer than 30 microns would clog quickly and be of no value.

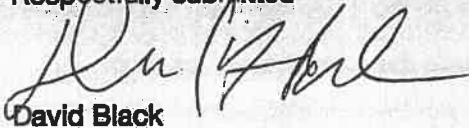
- Nordic Aquafarms has submitted technical data with this application stating that lobsters are absent from this area of the bay. According to DMR statistics, total annual landings of lobsters for Waldo County have nearly doubled in the past decade. The area impacted by this pipeline is essentially the same area of Waldo County that exists in the bay.

As a fisherman working in this bay for 55 years, I have become a mentor for some of the younger fishermen that are hoping to have opportunities to live and prosper on this bay just as I have enjoyed for much of my life. The old timers always told me that it was my responsibility to leave this bay in better condition than when I found it, for the benefit of the next generations, and that is exactly why I am speaking to you today.

Please exercise your responsibilities as representatives of the people of Maine and understand that a better solution for the treatment of waste water from RAS aquaculture must be found other than this out of sight and out of mind pipeline.

Your vote in opposition to this project is in order.

Respectfully submitted



David Black

# EXHIBIT

## C

**HISTORICAL MAINE LOBSTER LANDINGS BY COUNTY**

<u>YEAR</u>	<u>COUNTY</u>	<u>POUNDS</u>	<u>VALUE</u>
1964	CUMBERLAND	1,992,458	\$1,248,887
1964	HANCOCK	5,574,925	\$3,819,740
1964	KNOX	5,918,168	\$3,990,996
1964	LINCOLN	2,513,892	\$1,596,701
1964	SAGADAHOC	683,257	\$428,781
1964	WASHINGTON	2,824,281	\$1,881,320
1964	YORK	1,413,716	\$911,861
1964	<b>TOTAL</b>	<b>20,920,697</b>	<b>\$13,878,286</b>
1965	CUMBERLAND	2,438,981	\$1,760,377
1965	HANCOCK	5,062,876	\$3,884,569
1965	KNOX	5,031,068	\$3,782,906
1965	LINCOLN	2,137,941	\$1,596,978
1965	SAGADAHOC	472,652	\$345,610
1965	WASHINGTON	2,546,067	\$1,915,609
1965	YORK	1,172,200	\$891,155
1965	<b>TOTAL</b>	<b>18,861,785</b>	<b>\$14,177,204</b>
1966	CUMBERLAND	2,759,135	\$2,064,086
1966	HANCOCK	5,230,828	\$3,916,157
1966	KNOX	5,085,871	\$3,842,203
1966	LINCOLN	2,251,721	\$1,662,829
1966	SAGADAHOC	501,651	\$376,922
1966	WASHINGTON	2,858,597	\$2,108,591
1966	YORK	1,228,013	\$933,710
1966	<b>TOTAL</b>	<b>19,915,816</b>	<b>\$14,904,498</b>
1967	CUMBERLAND	2,398,165	\$1,939,418
1967	HANCOCK	4,106,538	\$3,431,840
1967	KNOX	4,408,318	\$3,643,992
1967	LINCOLN	1,905,352	\$1,562,718
1967	SAGADAHOC	458,766	\$373,002
1967	WASHINGTON	2,180,461	\$1,776,625
1967	YORK	1,031,596	\$870,274
1967	<b>TOTAL</b>	<b>16,489,196</b>	<b>\$13,597,869</b>
1968	CUMBERLAND	2,990,970	\$2,118,740
1968	HANCOCK	5,116,946	\$3,756,795
1968	KNOX	5,612,580	\$4,176,368
1968	LINCOLN	2,212,151	\$1,554,841
1968	SAGADAHOC	468,812	\$333,425
1968	WASHINGTON	2,924,994	\$2,110,909
1968	YORK	1,175,279	\$880,593
1968	<b>TOTAL</b>	<b>20,501,732</b>	<b>\$14,931,671</b>
1969	CUMBERLAND	2,868,176	\$2,287,009
1969	HANCOCK	5,258,582	\$4,260,884
1969	KNOX	5,259,009	\$4,339,129
1969	LINCOLN	2,266,981	\$1,810,627
1969	SAGADAHOC	488,379	\$399,637
1969	WASHINGTON	2,589,251	\$2,028,439
1969	YORK	1,104,402	\$921,104
1969	<b>TOTAL</b>	<b>19,834,780</b>	<b>\$16,046,829</b>

HISTORICAL MAINE LOBSTER LANDINGS BY COUNTY

<u>YEAR</u>	<u>COUNTY</u>	<u>POUNDS</u>	<u>VALUE</u>
1970	CUMBERLAND	2,864,275	\$2,498,944
1970	HANCOCK	4,625,588	\$4,493,896
1970	KNOX	4,685,018	\$4,602,267
1970	LINCOLN	2,236,007	\$2,065,926
1970	SAGADAHOC	505,049	\$456,877
1970	WASHINGTON	2,248,415	\$2,146,280
1970	YORK	1,007,917	\$937,311
<b>1970</b>	<b>TOTAL</b>	<b>18,172,269</b>	<b>\$17,201,501</b>
1971	CUMBERLAND	2,962,199	\$2,786,716
1971	HANCOCK	4,302,251	\$4,396,725
1971	KNOX	4,416,189	\$4,453,354
1971	LINCOLN	2,095,061	\$2,035,796
1971	SAGADAHOC	490,068	\$469,240
1971	WASHINGTON	2,170,426	\$2,236,846
1971	YORK	1,122,157	\$1,102,614
<b>1971</b>	<b>TOTAL</b>	<b>17,558,351</b>	<b>\$17,481,291</b>
1972	CUMBERLAND	2,622,846	\$2,735,260
1972	HANCOCK	4,003,749	\$4,775,455
1972	KNOX	4,383,479	\$5,117,064
1972	LINCOLN	1,831,550	\$1,996,528
1972	SAGADAHOC	526,695	\$586,331
1972	WASHINGTON	1,906,159	\$2,248,937
1972	YORK	981,989	\$1,127,880
<b>1972</b>	<b>TOTAL</b>	<b>16,256,467</b>	<b>\$18,587,455</b>
1973	CUMBERLAND	2,359,302	\$3,071,620
1973	HANCOCK	4,659,668	\$6,423,905
1973	KNOX	4,609,040	\$6,450,114
1973	LINCOLN	1,585,130	\$2,126,290
1973	NOT-SPECIFIED	97,572	\$103,362
1973	SAGADAHOC	449,436	\$609,732
1973	WASHINGTON	2,193,247	\$3,039,310
1973	YORK	1,090,799	\$1,445,526
<b>1973</b>	<b>TOTAL</b>	<b>17,044,194</b>	<b>\$23,269,859</b>
1974	CUMBERLAND	3,068,091	\$4,196,683
1974	HANCOCK	4,036,936	\$5,647,808
1974	KNOX	3,829,720	\$5,568,985
1974	LINCOLN	1,883,347	\$2,636,777
1974	NOT-SPECIFIED	165,807	\$240,420
1974	SAGADAHOC	466,882	\$630,799
1974	WASHINGTON	1,926,350	\$2,739,279
1974	YORK	1,080,533	\$1,552,057
<b>1974</b>	<b>TOTAL</b>	<b>16,457,666</b>	<b>\$23,212,808</b>
1975	CUMBERLAND	2,724,404	\$4,328,047
1975	HANCOCK	3,885,192	\$6,304,169
1975	KNOX	4,837,753	\$7,731,712
1975	LINCOLN	1,875,360	\$2,984,051
1975	SAGADAHOC	388,083	\$615,571
1975	WASHINGTON	1,741,523	\$2,830,549



**HISTORICAL MAINE LOBSTER LANDINGS BY COUNTY**

<u>YEAR</u>	<u>COUNTY</u>	<u>POUNDS</u>	<u>VALUE</u>
1975	YORK	1,063,273	\$1,726,035
1975	TOTAL	16,515,588	\$26,520,134
1976	CUMBERLAND	3,110,007	\$4,519,468
1976	HANCOCK	4,584,207	\$7,239,797
1976	KNOX	5,158,034	\$8,107,279
1976	LINCOLN	2,277,724	\$3,392,486
1976	SAGADAHOC	427,541	\$646,061
1976	WASHINGTON	2,488,568	\$3,873,606
1976	YORK	954,972	\$1,459,674
1976	TOTAL	19,001,053	\$29,238,371
1977	CUMBERLAND	3,226,682	\$5,323,995
1977	HANCOCK	4,205,001	\$7,503,175
1977	KNOX	5,094,081	\$9,073,213
1977	LINCOLN	2,413,772	\$4,057,875
1977	SAGADAHOC	490,600	\$787,870
1977	WASHINGTON	2,020,443	\$3,579,839
1977	YORK	1,036,559	\$1,775,456
1977	TOTAL	18,487,138	\$32,101,423
1978	CUMBERLAND	3,596,115	\$5,934,405
1978	HANCOCK	4,484,457	\$8,289,614
1978	KNOX	5,365,457	\$9,724,425
1978	LINCOLN	2,290,070	\$3,939,448
1978	SAGADAHOC	487,927	\$808,139
1978	WASHINGTON	1,935,679	\$3,486,567
1978	YORK	970,754	\$1,695,778
1978	TOTAL	19,130,459	\$33,878,376
1979	CUMBERLAND	4,480,833	\$7,759,939
1979	HANCOCK	5,295,663	\$9,860,013
1979	KNOX	6,075,224	\$11,031,240
1979	LINCOLN	2,305,009	\$3,992,068
1979	SAGADAHOC	539,997	\$943,808
1979	WASHINGTON	2,394,212	\$4,432,780
1979	YORK	1,042,297	\$1,880,784
1979	TOTAL	22,133,235	\$39,900,632
1980	CUMBERLAND	4,611,648	\$8,263,903
1980	HANCOCK	5,104,368	\$10,697,291
1980	KNOX	6,045,212	\$11,094,366
1980	LINCOLN	2,315,798	\$4,243,301
1980	SAGADAHOC	555,410	\$1,034,977
1980	WASHINGTON	2,041,003	\$3,912,741
1980	YORK	1,313,455	\$2,482,535
1980	TOTAL	21,986,894	\$41,729,114
1981	CUMBERLAND	5,579,224	\$11,103,111
1981	HANCOCK	4,746,458	\$10,579,130
1981	KNOX	6,170,828	\$12,954,701
1981	LINCOLN	2,208,479	\$4,257,435
1981	SAGADAHOC	444,911	\$886,124
1981	WASHINGTON	2,268,604	\$5,027,662

**HISTORICAL MAINE LOBSTER LANDINGS BY COUNTY**

<u>YEAR</u>	<u>COUNTY</u>	<u>POUNDS</u>	<u>VALUE</u>
1981	YORK	1,213,110	\$2,428,760
1981	TOTAL	22,631,614	\$47,236,923
1982	CUMBERLAND	5,261,568	\$10,730,106
1982	HANCOCK	4,683,244	\$11,074,364
1982	KNOX	6,482,139	\$14,842,830
1982	LINCOLN	2,410,734	\$4,992,894
1982	SAGADAHOC	440,816	\$985,246
1982	WASHINGTON	2,308,104	\$5,168,765
1982	YORK	1,143,648	\$2,549,391
1982	TOTAL	22,730,253	\$50,343,596
1983	CUMBERLAND	4,416,116	\$9,817,101
1983	HANCOCK	4,605,315	\$11,160,720
1983	KNOX	6,409,731	\$15,226,090
1983	LINCOLN	2,719,334	\$6,066,982
1983	SAGADAHOC	507,968	\$1,179,713
1983	WASHINGTON	2,102,073	\$4,978,461
1983	YORK	1,216,018	\$2,805,224
1983	TOTAL	21,976,555	\$51,234,291
1984	CUMBERLAND	4,338,359	\$10,718,752
1984	HANCOCK	3,242,341	\$8,448,884
1984	KNOX	5,266,101	\$13,363,418
1984	LINCOLN	3,004,389	\$7,506,168
1984	SAGADAHOC	622,056	\$1,563,829
1984	WASHINGTON	1,962,383	\$4,871,950
1984	YORK	1,110,053	\$2,825,134
1984	TOTAL	19,545,682	\$49,298,135
1985	CUMBERLAND	4,533,636	\$9,801,714
1985	HANCOCK	3,745,265	\$8,592,995
1985	KNOX	5,407,181	\$12,170,058
1985	LINCOLN	2,740,767	\$6,016,037
1985	SAGADAHOC	520,048	\$1,162,365
1985	WASHINGTON	1,706,873	\$3,802,041
1985	YORK	1,471,407	\$3,490,348
1985	TOTAL	20,125,177	\$45,035,558
1986	CUMBERLAND	4,849,236	\$11,080,754
1986	HANCOCK	3,506,325	\$8,480,346
1986	KNOX	4,766,660	\$11,111,098
1986	LINCOLN	2,725,809	\$6,395,265
1986	SAGADAHOC	603,101	\$1,414,965
1986	WASHINGTON	1,824,153	\$4,205,278
1986	YORK	1,429,033	\$3,483,518
1986	TOTAL	19,704,317	\$46,171,224
1987	CUMBERLAND	4,559,383	\$11,888,723
1987	HANCOCK	3,497,830	\$10,052,882
1987	KNOX	5,090,703	\$14,411,711
1987	LINCOLN	2,437,208	\$6,707,997
1987	SAGADAHOC	546,418	\$1,493,718
1987	WASHINGTON	2,262,085	\$6,094,344

**HISTORICAL MAINE LOBSTER LANDINGS BY COUNTY**

<u>YEAR</u>	<u>COUNTY</u>	<u>ROUNDS</u>	<u>VALUE</u>
1987	YORK	1,354,139	\$3,898,762
1987	TOTAL	19,747,766	\$54,548,137
1988	CUMBERLAND	5,112,196	\$13,818,159
1988	HANCOCK	3,591,152	\$10,627,748
1988	KNOX	5,843,876	\$16,263,371
1988	LINCOLN	2,638,248	\$7,190,508
1988	SAGADAHOC	539,410	\$1,498,831
1988	WASHINGTON	2,498,102	\$6,994,500
1988	YORK	1,516,083	\$4,349,321
1988	TOTAL	21,739,067	\$60,742,438
1989	CUMBERLAND	5,608,429	\$13,065,569
1989	HANCOCK	4,250,571	\$11,726,236
1989	KNOX	6,390,475	\$16,601,508
1989	LINCOLN	2,594,524	\$6,451,529
1989	NOT-SPECIFIED	116,850	\$308,484
1989	SAGADAHOC	529,325	\$1,359,354
1989	WASHINGTON	2,334,633	\$5,812,471
1989	YORK	1,543,912	\$4,227,060
1989	TOTAL	23,368,719	\$59,552,211
1990	CUMBERLAND	6,787,884	\$13,629,935
1990	HANCOCK	5,106,442	\$11,711,525
1990	KNOX	7,590,126	\$17,147,472
1990	LINCOLN	3,494,217	\$7,383,200
1990	SAGADAHOC	736,903	\$1,646,795
1990	WASHINGTON	2,254,275	\$5,116,366
1990	YORK	2,098,391	\$4,992,680
1990	TOTAL	28,068,238	\$61,627,973
1991	CUMBERLAND	7,749,756	\$16,988,836
1991	HANCOCK	6,170,719	\$15,478,852
1991	KNOX	7,437,632	\$17,438,775
1991	LINCOLN	4,113,817	\$9,233,186
1991	SAGADAHOC	747,107	\$1,690,358
1991	WASHINGTON	2,315,861	\$5,715,437
1991	YORK	2,253,754	\$5,719,903
1991	TOTAL	30,788,646	\$72,265,347
1992	CUMBERLAND	6,828,259	\$16,811,285
1992	HANCOCK	3,679,896	\$11,338,289
1992	KNOX	7,603,133	\$20,555,537
1992	LINCOLN	3,849,510	\$9,716,413
1992	SAGADAHOC	787,094	\$2,054,477
1992	WASHINGTON	1,988,616	\$5,509,805
1992	YORK	2,093,940	\$5,836,893
1992	TOTAL	26,830,448	\$71,822,699
1993	CUMBERLAND	6,775,632	\$15,405,739
1993	HANCOCK	4,860,419	\$12,787,474
1993	KNOX	9,452,680	\$23,730,240
1993	LINCOLN	3,904,496	\$9,121,585
1993	SAGADAHOC	795,007	\$1,862,573

### HISTORICAL MAINE LOBSTER LANDINGS BY COUNTY

<u>YEAR</u>	<u>COUNTY</u>	<u>POUNDS</u>	<u>VALUE</u>
1993	WASHINGTON	2,241,069	\$6,189,100
1993	YORK	1,897,161	\$4,766,727
1993	<b>TOTAL</b>	<b>29,926,464</b>	<b>\$73,863,438</b>
1994	CUMBERLAND	7,657,841	\$19,179,259
1994	HANCOCK	6,818,893	\$18,443,049
1994	KNOX	13,361,606	\$34,623,540
1994	LINCOLN	4,653,983	\$11,412,922
1994	SAGADAHOC	1,041,593	\$2,736,076
1994	WASHINGTON	2,711,394	\$7,391,732
1994	YORK	2,703,557	\$7,150,100
1994	<b>TOTAL</b>	<b>38,948,867</b>	<b>\$100,936,678</b>
1995	CUMBERLAND	5,930,682	\$15,762,117
1995	HANCOCK	7,462,326	\$20,069,012
1995	KNOX	14,265,374	\$39,019,937
1995	LINCOLN	3,938,181	\$10,515,328
1995	SAGADAHOC	785,248	\$2,154,172
1995	WASHINGTON	2,538,271	\$7,502,859
1995	YORK	2,288,242	\$6,869,748
1995	<b>TOTAL</b>	<b>37,208,324</b>	<b>\$101,893,173</b>
1996	CUMBERLAND	6,058,133	\$16,825,569
1996	HANCOCK	5,995,604	\$18,443,475
1996	KNOX/WALDO	13,096,320	\$38,066,330
1996	LINCOLN	4,088,410	\$11,582,610
1996	SAGADAHOC	921,660	\$2,829,996
1996	UNKNOWN	14,282	\$44,402
1996	WASHINGTON	3,377,524	\$10,946,845
1996	YORK	2,531,510	\$8,241,330
1996	<b>TOTAL</b>	<b>36,083,443</b>	<b>\$106,980,557</b>
1997	CUMBERLAND	9,121,551	\$26,082,338
1997	HANCOCK	8,910,151	\$26,594,709
1997	KNOX	17,333,911	\$51,000,288
1997	LINCOLN	4,132,380	\$11,920,293
1997	NOT-SPECIFIED	162	\$729
1997	SAGADAHOC	1,016,955	\$2,939,848
1997	WASHINGTON	3,954,077	\$11,960,030
1997	YORK	2,554,084	\$7,794,203
1997	<b>TOTAL</b>	<b>47,023,271</b>	<b>\$138,292,438</b>
1998	CUMBERLAND	7,764,518	\$21,761,129
1998	HANCOCK	10,431,174	\$31,176,249
1998	KNOX	16,550,383	\$46,198,512
1998	LINCOLN	4,512,540	\$12,936,440
1998	SAGADAHOC	1,020,663	\$3,124,052
1998	WASHINGTON	4,397,233	\$14,254,906
1998	YORK	2,360,325	\$7,738,053
1998	<b>TOTAL</b>	<b>47,036,836</b>	<b>\$137,189,341</b>
1999	CUMBERLAND	10,154,577	\$34,240,433
1999	HANCOCK	10,806,518	\$37,898,308
1999	KNOX	19,132,420	\$64,583,196

**HISTORICAL MAINE LOBSTER LANDINGS BY COUNTY**

<b>YEAR</b>	<b>COUNTY</b>	<b>POUNDS</b>	<b>VALUE</b>
1999	LINCOLN	4,925,141	\$16,877,253
1999	SAGadahOC	1,137,076	\$3,999,913
1999	WASHINGTON	3,889,216	\$14,564,325
1999	YORK	3,449,470	\$12,450,643
1999	<b>TOTAL</b>	<b>53,494,418</b>	<b>\$184,614,071</b>
2000	CUMBERLAND	9,519,281	\$30,514,219
2000	HANCOCK	15,382,558	\$49,411,598
2000	KNOX	18,653,641	\$59,804,314
2000	LINCOLN	5,000,332	\$15,828,327
2000	SAGadahOC	905,903	\$3,088,365
2000	WASHINGTON	4,788,939	\$18,363,877
2000	YORK	2,964,752	\$10,704,117
2000	<b>TOTAL</b>	<b>57,215,406</b>	<b>\$187,714,817</b>
2001	CUMBERLAND	6,520,260	\$19,803,951
2001	HANCOCK	10,082,125	\$32,411,845
2001	KNOX/WALDO	17,223,951	\$54,580,530
2001	LINCOLN	5,041,845	\$15,105,261
2001	SAGadahOC	422,716	\$1,283,635
2001	WASHINGTON	6,948,785	\$23,047,741
2001	YORK	2,378,011	\$7,749,303
2001	<b>TOTAL</b>	<b>48,617,693</b>	<b>\$153,982,266</b>
2002	CUMBERLAND	9,591,508	\$31,220,418
2002	HANCOCK	16,549,841	\$57,267,041
2002	KNOX/WALDO	19,765,074	\$63,227,621
2002	LINCOLN	5,359,690	\$16,770,773
2002	SAGadahOC	1,414,264	\$4,669,764
2002	WASHINGTON	7,499,213	\$25,857,154
2002	YORK	3,446,155	\$11,937,259
2002	<b>TOTAL</b>	<b>63,625,745</b>	<b>\$210,950,030</b>
2003	CUMBERLAND	5,595,642	\$20,519,959
2003	HANCOCK	13,962,989	\$53,555,884
2003	KNOX/WALDO	19,758,708	\$71,927,116
2003	LINCOLN	5,019,251	\$18,302,492
2003	NOT-SPECIFIED	130,810	\$536,424
2003	SAGadahOC	911,867	\$3,580,788
2003	WASHINGTON	6,872,748	\$26,651,797
2003	YORK	2,718,933	\$10,640,869
2003	<b>TOTAL</b>	<b>54,970,948</b>	<b>\$205,715,329</b>
2004	CUMBERLAND	9,255,280	\$36,591,790
2004	HANCOCK	16,537,170	\$69,166,111
2004	KNOX	24,804,328	\$98,174,305
2004	LINCOLN	6,770,722	\$25,908,554
2004	SAGadahOC	1,303,911	\$5,302,330
2004	WALDO	401,706	\$1,762,878
2004	WASHINGTON	7,873,692	\$32,674,789
2004	YORK	4,627,535	\$19,498,090
2004	<b>TOTAL</b>	<b>71,574,344</b>	<b>\$289,078,847</b>
2005	CUMBERLAND	8,335,125	\$37,755,755

HISTORICAL MAINE LOBSTER LANDINGS BY COUNTY

<u>YEAR</u>	<u>COUNTY</u>	<u>POUNDS</u>	<u>VALUE</u>
2005	HANCOCK	18,882,812	\$88,660,604
2005	KNOX	21,419,378	\$98,319,258
2005	LINCOLN	5,574,889	\$24,377,448
2005	NOT-SPECIFIED	14,655	\$72,488
2005	SAGadahoc	1,526,964	\$7,136,879
2005	WALDO	284,661	\$1,380,216
2005	WASHINGTON	9,323,532	\$44,493,250
2005	YORK	3,367,845	\$15,752,438
2005	<b>TOTAL</b>	<b>68,729,861</b>	<b>\$317,948,336</b>
2006	CUMBERLAND	9,444,550	\$38,237,173
2006	HANCOCK	21,159,600	\$85,552,617
2006	KNOX	22,123,241	\$90,162,700
2006	LINCOLN	6,361,330	\$24,580,617
2006	NOT-SPECIFIED	244,886	\$954,973
2006	SAGadahoc	1,850,308	\$7,951,396
2006	WALDO	372,901	\$1,620,134
2006	WASHINGTON	10,686,067	\$43,180,287
2006	YORK	3,173,459	\$13,464,040
2006	<b>TOTAL</b>	<b>75,416,341</b>	<b>\$305,703,938</b>
2007	CUMBERLAND	8,367,473	\$36,552,598
2007	HANCOCK	17,635,973	\$78,327,083
2007	KNOX	19,201,116	\$83,313,212
2007	LINCOLN	5,345,748	\$22,569,053
2007	NOT-SPECIFIED	21,837	\$89,374
2007	SAGadahoc	1,406,855	\$6,162,745
2007	WALDO	304,784	\$1,366,213
2007	WASHINGTON	9,273,724	\$41,086,679
2007	YORK	2,423,850	\$11,211,246
2007	<b>TOTAL</b>	<b>63,981,361</b>	<b>\$280,678,206</b>
2008	CUMBERLAND	9,077,125	\$32,153,313
2008	HANCOCK	19,350,787	\$69,190,516
2008	KNOX	20,218,311	\$69,876,410
2008	LINCOLN	5,635,488	\$18,883,924
2008	NOT-SPECIFIED	476	\$1,971
2008	SAGadahoc	1,381,763	\$5,024,168
2008	WALDO	306,738	\$1,066,923
2008	WASHINGTON	10,988,328	\$37,431,946
2008	YORK	2,949,486	\$11,520,855
2008	<b>TOTAL</b>	<b>69,908,504</b>	<b>\$245,150,026</b>
2009	CUMBERLAND	10,330,898	\$30,478,441
2009	HANCOCK	23,528,918	\$69,567,150
2009	KNOX	23,375,555	\$66,435,362
2009	LINCOLN	5,661,410	\$16,636,556
2009	SAGadahoc	1,535,623	\$4,677,360
2009	WALDO	293,435	\$831,688
2009	WASHINGTON	13,141,424	\$37,945,045
2009	YORK	3,307,374	\$10,965,289
2009	<b>TOTAL</b>	<b>81,174,638</b>	<b>\$237,536,890</b>

**HISTORICAL MAINE LOBSTER LANDINGS BY COUNTY**

<u>YEAR</u>	<u>COUNTY</u>	<u>POUNDS</u>	<u>VALUE</u>
2010	CUMBERLAND	11,649,232	\$39,436,920
2010	HANCOCK	31,306,262	\$103,696,417
2010	KNOX	25,561,334	\$83,308,122
2010	LINCOLN	6,194,426	\$19,622,036
2010	NOT-SPECIFIED	90	\$266
2010	SAGADAHOC	1,720,544	\$6,307,314
2010	WALDO	372,415	\$1,225,675
2010	WASHINGTON	16,213,914	\$52,830,939
2010	YORK	3,190,555	\$11,624,752
2010	<b>TOTAL</b>	<b>96,208,772</b>	<b>\$318,052,441</b>
2011	CUMBERLAND	12,469,579	\$41,667,556
2011	HANCOCK	34,071,486	\$108,189,416
2011	KNOX	29,672,698	\$94,380,783
2011	LINCOLN	6,391,550	\$19,964,854
2011	SAGADAHOC	1,659,690	\$5,877,406
2011	WALDO	456,016	\$1,449,663
2011	WASHINGTON	16,910,075	\$51,171,345
2011	YORK	3,293,634	\$11,838,711
2011	<b>TOTAL</b>	<b>104,924,728</b>	<b>\$334,539,734</b>
2012	CUMBERLAND	13,807,189	\$40,434,664
2012	HANCOCK	43,467,568	\$114,227,278
2012	KNOX	35,154,555	\$95,524,992
2012	LINCOLN	6,799,804	\$18,327,355
2012	SAGADAHOC	2,061,928	\$5,962,184
2012	WALDO	546,494	\$1,448,372
2012	WASHINGTON	21,744,391	\$53,948,126
2012	YORK	3,739,493	\$12,206,549
2012	<b>TOTAL</b>	<b>127,321,422</b>	<b>\$342,079,520</b>
2013	CUMBERLAND	12,193,758	\$39,113,119
2013	HANCOCK	44,136,419	\$123,785,668
2013	KNOX	34,532,764	\$103,729,589
2013	LINCOLN	6,378,457	\$19,003,421
2013	SAGADAHOC	2,138,756	\$6,757,811
2013	WALDO	688,618	\$2,063,728
2013	WASHINGTON	23,874,397	\$62,278,091
2013	YORK	3,865,268	\$13,652,554
2013	<b>TOTAL</b>	<b>127,808,437</b>	<b>\$370,383,981</b>
2014	CUMBERLAND	11,874,479	\$46,797,697
2014	HANCOCK	42,575,285	\$154,881,082
2014	KNOX	33,705,103	\$126,487,159
2014	LINCOLN	5,982,176	\$22,115,616
2014	SAGADAHOC	2,021,714	\$7,839,769
2014	WALDO	864,528	\$3,396,418
2014	WASHINGTON	23,282,620	\$81,210,885
2014	YORK	4,020,018	\$16,779,759
2014	<b>TOTAL</b>	<b>124,325,923</b>	<b>459,508,385</b>
2015	CUMBERLAND	12,299,414	\$53,104,387
2015	HANCOCK	41,612,365	\$167,686,441

# EXHIBIT

## D



## **I. SUMMARY OF OTHER GROUNDS FOR DENYING THIS LEASE APPLICATION**

The placement of these pipelines in Penobscot Bay, as proposed by NAF, would have potentially devastating impacts on the environment and economy of the Midcoast region -- especially on our commercial fisheries and fishermen, including the iconic Maine lobster fishery in Penobscot Bay -- which is the foundation of our economy in this region and the source of thousands of existing well-paying jobs. These adverse impacts include, but are not limited to the following:

- **Disturbing Buried HoltraChem Mercury:** The dredging and blasting required to bury a portion of NAF's pipelines in the Bay would disturb long-buried mercury from HoltraChem's discharges almost fifty (50) years ago. HoltraChem legacy mercury has previously been determined to be buried in this area of the Bay by the federal court's experts who conducted the Penobscot River Mercury Study ("PRMS"). In 2014, the Maine Department of Marine Resources ("DMR") shut down approximately 7 square miles in the lower Penobscot River and upper estuary of Penobscot Bay to all lobstering and crabbing due to the high level of mercury lobsters in this area had in their meat. That closure was based on data collected by the federal court's experts in the Penobscot River Mercury Study (PRMS). In 2016, DMR shut down an additional 5.5 square mile area in the upper Penobscot Bay to all lobstering and crabbing, after finding a mean level of mercury in the tail meat of 40 adult lobsters of 292.7 ng/g, caused by exposure to HoltraChem mercury in the surface sediments south of Verona Island resulting in methyl mercury contamination. 13-188 C.M.R. ch. 25, §25.65. The DMR concluded that any mean levels of mercury in lobster meat, over 200 ng/g, justified its closure of both the lobster and crab fishery (even in the absence of such levels in the crabs in that area). The mercury levels the court's experts determined are found buried beneath the surface sediment in the area NAF proposes to dredge is 200 - 300 ng/g.<sup>1</sup> At the April 24, 2019 Belfast Harbor Committee Meeting, NAF's representative (Ed Cotter) revealed that NAF-commissioned sediment tests (which have not been made public), confirmed a level of 239 ng/g in one core sample that they took in this area and that NAF had failed to test most of the 10 core samples they had taken. During the December 17, 2018 NAF public information meeting, NAF's representative confirmed that the sediment testing method NAF's agents used to do their tests was not the more accurate PRMS sediment testing standard. Indicating that the level of mercury that is buried in this area may be even higher than previously determined, since NAF found 239 ng/g there even using a less accurate sediment testing protocol that was likely to understate the

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<sup>1</sup> The relevant DMR rule states:

**25.65 Lobster and Crab Closure in Penobscot River**

It is unlawful to fish for or take lobsters or crabs by any means from the waters north of a line starting at the western most point of Perkins Point in the Town of Castine continuing in a northwesterly direction to the southern most point of Squaw Point on Cape Jellison in the Town of Stockton Springs. This section does not apply to equipment operated by the Department of Marine Resources.

true level of mercury and its depth under the surface. Re-suspension of the HoltraChem mercury in the area of Penobscot Bay where NAF proposes to dredge and blast could spread methyl-mercury contamination throughout the entire food web of the Bay – destroying the lobster fishery that provides hundreds of lobstermen the ability to make a good living in now, damaging the reputation for wholesomeness of the Maine Lobster brand, harming all people and businesses that depend on the Midcoast lobster catch, and endangering the health and safety of all Midcoast residents and wildlife that live in and around Penobscot Bay.

- **A 5.5-Foot Underwater Wall:** According to NAF's latest schematic drawings for installation of their pipes in the intertidal land and under the Bay's waters, the portion of the pipelines that are not buried will form a wall on the surface of the Bay's bottom off Northport. The three pipes would be covered by gravel and a mesh cover. This configuration would form a wall along the bottom that is roughly 5.5 feet tall and roughly a half-mile long. Lobstermen who fish this area and who have had experience with disruptions to lobster movements caused by prior pipeline placements in Belfast Harbor, advised the Belfast Harbor Committee on April 24, 2019 that NAF's proposed underwater seawall will significantly disrupt the migration of lobsters in and around Penobscot Bay and radically change currents in this area and throughout at least the upper Bay. The effect on shorelines, erosion or navigation is unknown but likely also significant.
- **Contents and Characteristics of the Wastewater:** The impacts of the 7.7 million gallons of wastewater *a day* that NAF proposes to discharge into Penobscot Bay from these pipelines can also not be ignored when evaluating the impacts on riparian owners' rights and on commercial fishing and fisheries' health.<sup>2</sup> According to the current, new Commissioner of DEP during his January 30, 2019 confirmation hearing, the impacts of this discharge on commercial fisheries is a subject in the jurisdiction of DACF-BPL not a consideration of the DEP during the MEPDES process. However, no information on the nature and predicted impacts of this wastewater discharge has been submitted by NAF, to date, to either agency.
  - **Wastewater Temperature:** The proposed warm temperature of this wastewater (59° to 64.4° Fahrenheit; revealed as 15° - 18° Celcius in the MEPDES permit application) – discharged year round -- is between 5° and 33° Fahrenheit warmer than the Bay's normal temperatures (depending on what time of year it is discharged). If a rise in temperature of the Gulf of Maine or the Bay of 0.5° Fahrenheit can devastate our ecosystems – what could the impact of discharging this volume of wastewater daily, in a relatively shallow embayment and estuary be?! In light of the loss of the lobster fishery in southern portions of New England, attributed to warming waters in those areas, the adverse impacts on the lobster fishery in Penobscot

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<sup>2</sup> To put this in perspective, the entire community of Bayside's wastewater treatment facility is limited to discharging 7 million gallons *a year* of treated wastewater into the Bay

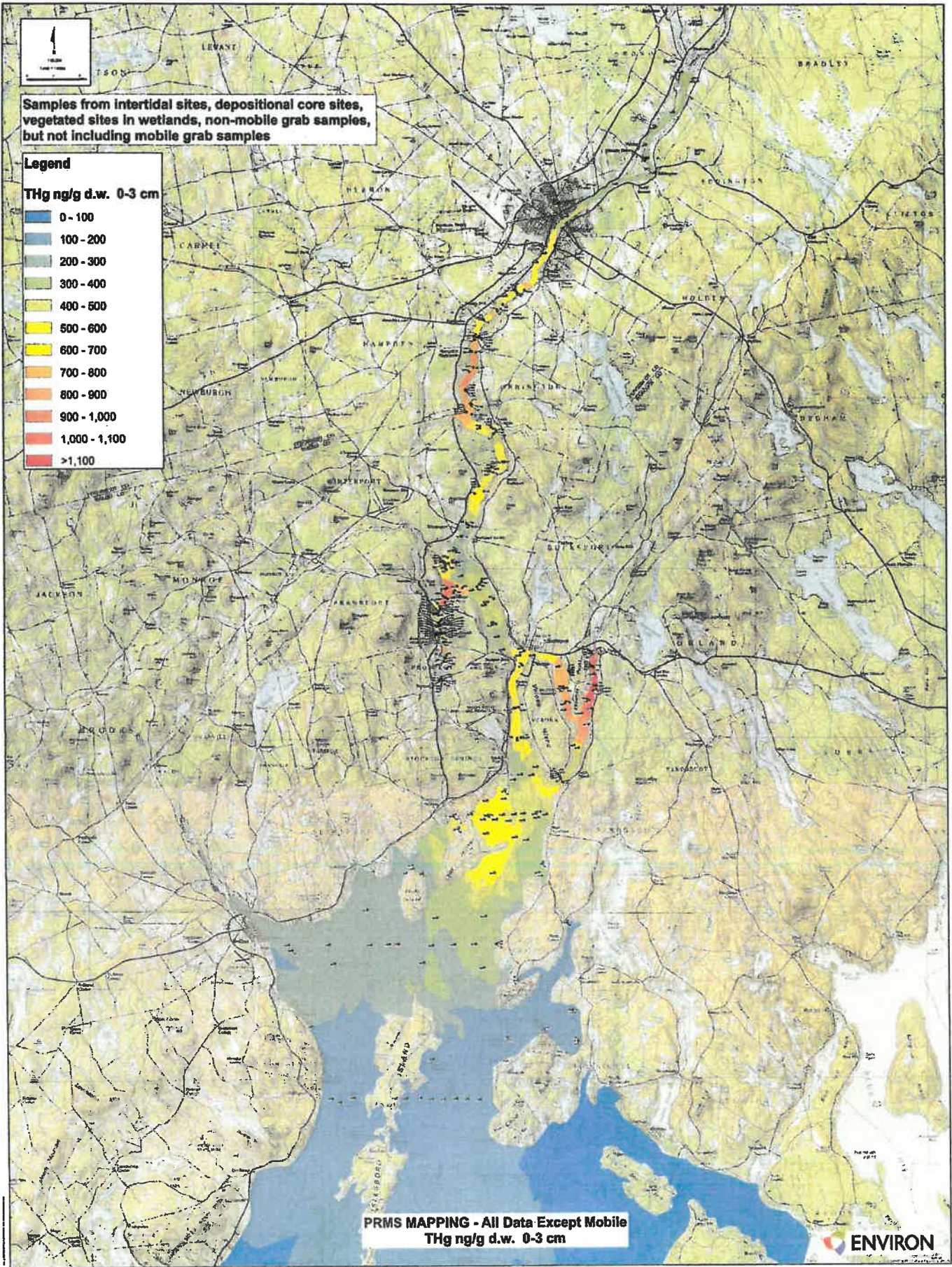
Bay would be catastrophic in the upper and western Bay, and potentially wide-ranging throughout the Bay as the water circulates.

- **Nitrogen:** The discharge will contain, according to NAF, 1484 pounds (673 kg) a day of nitrogen, which poses the risk of dangerous algae blooms, fish die-offs, and could put the Bayside Mussel Farm – an existing aquaculture leaseholder in the area of the discharges – out of business.
- **Currents and Circulation:** It will take fourteen days after discharge to leave the immediate area of the outfall pipe to circulate to every corner of Penobscot Bay and then out into the Gulf of Maine. This circulation estimate by NAF's consultant means that in the immediate area of the outfall there will be a constant accumulation of approximately 108 million gallons of wastewater – destroying the viability of the existing mussel farm aquaculture business that thrives in the currently clean waters in this area and harm the use of these waters by all existing riparian owners in this corner of the upper Bay. This NAF current estimate was made without consideration of the impact of prevailing winds and we believe was done prior to the adoption of the re-configuration of the pipelines to an above-ground placement.
- **Salinity Changes:** According to NAF, 15% of the wastewater will be fresh water – permanently changing the salinity of the Bay through man-made alterations.

No one can predict the scope of the adverse impacts that will result from allowing NAF to convert Penobscot Bay into its own giant chemistry experiment, but the impact on the health and reputation of all of Penobscot Bay's fisheries – especially our currently thriving and lucrative lobster fishery – will be significant, long-term and likely devastating. The adverse impacts on the thousands of lobstermen who fish in Penobscot Bay are incalculable, but certainly not off-set by the illusory promise by NAF of "up to" 100 jobs of unspecified salary ranges.

# EXHIBIT

## E



## **Rebuttal Testimony**

Statement of David Black  
JANUARY 16, 2020

My name is David Black, a resident of Belfast Maine, and a lobster fisherman working from Belfast Harbor for 56 years.

Please include the information in this statement as part of the discussion on applications before you regarding the Nordic Aquafarms proposal to construct multiple pipelines into Upper Penobscot Bay in Belfast and Northport for the purpose of providing the intake of seawater and the discharge of effluents from the RAS facility proposed by Nordic Aquafarms to be located in Belfast, Maine.

As a local lobster fisherman, I derive a significant portion of my annual income from the area beneath and adjacent to the proposed location of the Nordic Aquafarms pipeline. Therefore, I feel I have considerable local knowledge of the area and I feel obligated to use this opportunity to share some of that knowledge with you. I am sure that upon your total review of local information regarding this project many concerns will arise concerning the environmental dangers and consequences of this proposed pipeline.

### **HISTORY**

Belfast Bay has a long productive history of fishing which has been diminished over time due to many municipal and industrial pollution sources. These pollution sources include decades of raw municipal sewage disposal from many points around the bay, untreated chicken waste from area poultry plants, fish waste from a long operating fish canning factory as well as mercury contamination in the bay from a facility on the Penobscot River. Add to these several dredging projects in Belfast, Searsport and other ports and you begin to see the degree of pollution this bay has suffered in the past.

I will discuss these pollution concerns separately:

#### **Municipal Sewage**

When I was young, raw sewage was a common sight in the bay. In recent decades, the municipal sewage outfalls around the Bay have mostly been identified and corrected. The result has been lower fecal coliform levels and increased availability of clean shellfish resources.

#### **Industrial Waste**

During the 20th century there were 2 poultry processing plants and 1 fish canning factory in Belfast that dumped untreated chicken waste and some fish waste through large pipelines directly into Belfast Harbor. The Harbor was so fouled with this effluent that Belfast Harbor was listed in the U.S.Coast Pilot publication as a harbor to avoid when cruising the Coast of Maine. After the closures of these factories, and the elimination of these discharge pipes, the bay is cleaner and more appealing to the public and is becoming a destination for many visitors to "Vacationland". However, I can tell you that today the remnants of those discharges remain in the sediment on the bottom of the bay. I believe it will take many a lifetime for this area to completely clean itself.

## **Dredging**

In my experience, whenever there was a dredging project at Mack Point in Searsport Harbor, the lobster catch in the area slowed for several years until the environment recovered. Additionally, when Belfast Harbor was dredged in 2003, it took a decade for the environment to recover according to a letter from a prominent Lobster fishermen's Association to the U.S. Army Corps of Engineers dated May 4, 2013. Please note that the most recent attempt to dredge Searsport Harbor was cancelled due to environmental concerns.

## **Mercury Contamination**

Mercury contamination in the bay from decades of unconfined industrial mercury pools in the Penobscot River being moved downriver by the current has resulted in 13 square miles at the mouth of the Penobscot River being closed to all lobster and crab fishing due to methyl mercury contamination in these shellfish. Further studies by the federal court that is reviewing the source of that pollution have identified buried mercury in other areas of the bay and specifically in the area of the proposed Nordic Aquafarms pipeline.

## **IMPACTS OF THIS PROJECT**

Can we now feel comfortable with a new pipeline proposal by Nordic Aquafarms to be constructed in Belfast Bay based upon this history? Each of the aforementioned sources of pollution were the result of projects permitted by the State of Maine and the Federal government over long periods of time.

I can think of several reasons to be very cautious with this project and they are as follows:

- This proposed pipeline is to be located just over a mile from a recent and very controversial failed attempt to dredge Searsport Harbor.
- Dredging and blasting resulting from this project will produce the same impact as other dredging projects in the area.
- The construction and operation of this pipeline is directly in an area identified as containing buried mercury that would be continuously impacted releasing mercury to be ingested by sea life resulting in further closures of lobster and crab fishing areas where I make my living.

## **CONCERNS**

This project proposes discharging 7.7 million gallons of brackish and warm water into the bay every day! I was told by the project engineer for this RAS facility that this volume of water equals nearly 50 percent of the total water volume of this RAS facility being discharged daily. There is presently a RAS system located in Franklin, Maine which is run by the University of Maine. The operator of that facility has stated that they discharge only 10 percent of the total water volume daily, a significant difference from what Nordic is proposing. This is water that would be heated to between 5 degrees Fahrenheit and 30 degrees Fahrenheit above the ambient temperature of seawater from the bay (depending on the time of year) combined with ground water from wells. It is very unreasonable to assume that this water which has been described by the applicant as cleaner than the water being pumped into the facility from the bay, should be discarded so soon after mixing and heating. This does not sound like a RAS.

facility at all but rather a flow thru system. It is my opinion that the discharge of this warm and brackish water will cause lobsters to leave the area for more saline and temperate conditions. This concern alone will cause great economic hardship for myself and other local fishermen.

- The chief technical officer for Nordic Aquafarms explained to me one day in his office that all discharge water from this facility will be run through a 0.4 micron filter before reentering the bay. Again, at the RAS system run by the University of Maine the minimum water filter is 30 microns, almost 80 times larger than the filters being proposed by Nordic! The manager of that facility stated that filters finer than 30 microns would clog quickly and be of no value.

- Nordic Aquafarms has submitted technical data with their applications stating that lobsters are absent from this area of the bay. According to DMR statistics, the total annual landings of lobsters for Waldo County have nearly doubled in the past decade. The proposed location of this pipeline is where this reported resource exists and thrives.

- The present design of the pipeline indicates an elevated structure secured by chains and anchors. These anchors are proposed to be attached in the silty bottom sediment directly in an area of methane pockets which have been determined by state geologists to be unstable.

-Traditionally this very area of the Bay has been an occasional anchorage area for ocean going ships that for various reasons choose not to anchor closer to the port of Searsport.

As a fisherman working on this bay for 56 years, I have become a mentor for some of the younger fishermen that are hoping to have opportunities to live and prosper on this bay, similar to those which I have enjoyed for much of my life. The old timers always told me that it was my responsibility to leave this bay in better condition than when I found it, for the benefit of the next generations, and that is exactly why I am speaking to you today. The construction of this pipeline will do nothing to improve the health and viability of Upper Penobscot Bay and will only serve to diminish the quality of life presently essential for the survival of its' many inhabitants.

Please exercise your responsibilities as representatives of the people of Maine and understand that a better solution for the treatment of waste water from RAS aquaculture must be found other than this out of sight and out of mind pipeline. Your vote in opposition to this project is in order.

**I CERTIFY THAT UNDER PENALTY OF PERJURY THAT THE FOREGOING STATEMENT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.**

Respectfully submitted

  
David Black





MG/MLU 3

**MGL's Filing April 23, 2020 at 4:28 p.m.**

**This filing was not admitted to the record. (Fifteenth Procedural Order)**

**MGL's Filing April 23, 2020 at 4:33 p.m.**

**Submitted documents were already in the Board's record.**

## Bertocci, Cynthia S

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**From:** Kim Ervin Tucker <k.ervintucker@gmail.com>  
**Sent:** Thursday, April 23, 2020 4:33 PM  
**To:** Bertocci, Cynthia S  
**Cc:** Barry A. Costa-Pierce; Bensinger, Peggy; Bertocci, Cynthia S; Boak, Scott; Brewer, Angela D; Burke, Ruth A; Carrie Byron; Charles Tilburg; David Losee; DEP, Nordic Aqua Farms; Diane Hunt Braybrook; Donald W. Perkins, Jr.; Donna Broderick; Ed Cotter; Eleanor Daniels; Elizabeth M. Ransom; Erik Heim; Jacki Cassida; Jensen, Laura; Joanna B. Tourangeau (JTourangeau@dwmlaw.com); Kristin M. Racine; Lawrence Reichard; Marianne Naess; Martin, Kevin; Michael Lannan; Northport Village Corporation; Peter Tischbein; Wood, Gregg; Wayback Farm  
**Subject:** Fwd: NAF Hearing Comments  
**Attachments:** NAF BEP IMLU Intervention Ex A.pdf; NAF IMLU Intervention Ex B.pdf; NAF IMLU Intervention Ex C.pdf; NAF IMLU Intervention Ex D.pdf; NAF IMLU Intervention Ex E.pdf; NAF IMLU WC and DB intervention Motion to BEP.pdf

**EXTERNAL:** This email originated from outside of the State of Maine Mail System. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Submitted as exhibit to MGL Intervenors' comments re DMR assessments

**STATE OF MAINE**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**  
**BOARD OF ENVIRONMENTAL PROTECTION**

IN RE: APPLICATION OF NORDIC AQUAFARMS, INC.  
MPDES PERMIT: #ME0002771, #W009200-6F-A-N;  
NRPA and SLODA: #L-28319-26-A-N, #L-28319-TG-B-N,  
#L-28319-4E-C-N, #L-28319-L6-D-N; #L-28319-TW-E-N;  
Air: #A-1146-71-A-N

PETITION TO INTERVENE  
FILED ON BEHALF OF  
THE MAINE LOBSTERING UNION,  
WAYNE CANNING, AND  
DAVID BLACK

City of Belfast and Town of Northport, Waldo County  
Submitted: July 10, 2019

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The Maine Lobstering Union (“IMLU”), a cooperative corporation, organized and doing business in the State of Maine; Wayne Canning, Zone D Lobster Council Representative for District 11 Lobstermen and a Maine commercial lobster and crab fishing license holder; and David Black, a Maine commercial lobster and crab fishing license holder fishing in Belfast Bay and Penobscot Bay out of Belfast, Maine (hereinafter “the Petitioners”), pursuant to 5 M.R.S.A. § 9054(1) and 06-096 C.M.R. ch. 3 §11(A)(1), petition to intervene as parties in all proceedings before the Board of Environmental Protection (“BEP” or “the Board”) relating to the above-referenced applications, filed by Nordic Aquafarms, Inc. (“Nordic”).

NAF proposes to construct and operate a land-based salmon fish breeding, maturation and processing plant, on land of or adjacent to the Belfast Water District and adjacent to the Little River (“the Project”), with intake and discharge pipelines located in Belfast Bay and Penobscot Bay within the municipal boundaries of Belfast and Northport, Maine. This facility, as proposed, is an existential economic and environmental threat to Penobscot Bay, the Pen-Bay lobster fishery, and all lobstermen of Zones C and D who fish in or around Belfast Bay and Penobscot Bay. The harms are particularly significant for lobstermen who fish in the upper Penobscot Bay, Belfast Bay, and the western side of Islesboro.

The Petitioners seek leave to intervene pursuant to the Department’s Administrative Rules, Chapter 3, RULES CONCERNING THE CONDUCT OF LICENSING HEARINGS, Section 11, Subsection A, Intervention.

**THE MAINE LOBSTERING UNION (IMLU):**

In support of this Petition, the IMLU asserts the following grounds for intervention set forth below, including but not limited to:

1. The IMLU is Local 207 of the International Association of Machinists and Aerospace Workers (IAMAW), within District Lodge 4 of the IAMAW. The IMLU was incorporated in the State of Maine as a nonprofit fish marketing association. The corporation was organized as a “cooperative corporation” by filing Articles of Incorporation under the Fish Marketing Act, 13 M.R.S.A. §§ 2001-2287, with the Maine Secretary of State, on September 10, 2013.

2. The IMLU is in good standing as an entity according to the Maine Secretary of State. The IMLU's charter number is 20140002CP. For federal tax purposes the IMLU is a "cooperative" under subchapter T of the Internal Revenue Code.
3. The IMLU is an organization comprised of active, licensed lobstermen and sternmen and exists to represent the interests of *only* licensed lobstermen and sternmen (as opposed to other lobster industry participants).
4. The IMLU is the first representative organization organized as a cooperative in Maine to represent lobstermen and sternmen exclusively. The harvesters in the IMLU also have purchased and operate a wholesale and retail business that markets and sells Maine lobsters and crabs harvested by IMLU members and other holders of Maine lobster and crab fishing licenses. The IMLU's business operates under the business name Lobster207.
5. The IMLU represents lobstermen in all Maine Lobster Zones, from Kittery to Cutler, including in Zones C and D, the Zones covering Penobscot Bay, Maine, that would be most directly adversely impacted by this proposed project.
6. The IMLU has members that fish in the area directly, adversely impacted by the pipelines, dredging, blasting and wastewater and effluent dumping proposed by NAF, and in all areas of Zones C and D that will suffer direct, indirect, cumulative, primary, secondary, acknowledged, foreseeable and unforeseeable impacts from this project in the short- and long-terms.

**WAYNE CANNING:**

7. Wayne Canning, is the Zone D Lobster Council representative for District 11 Lobstermen and a lobsterman, holding a Maine commercial lobster and crab fishing license. Mr. Canning fishes out of Belfast, Maine in the area proposed by NAF for placement of its intake and discharge pipelines and the area where wastewater will be discharged.
8. Mr. Canning has participated in local and State proceedings and meetings in connection with this permitting process and has submitted and given testimony in opposition to the NAF project as proposed.
9. Mr. Canning has solicited input regarding the potential impacts of this proposed project from the Zone D District 11 lobstermen who he represents.
10. Zone D District 11 includes the geographic area where NAF proposes to place its intake and discharge pipelines and discharge up to 7.7 million gallons per day of warm wastewater. The construction and placement of these pipelines and discharge of wastewater into Penobscot Bay will adversely impact Wayne Canning and all District 11 lobstermen.
11. Attached as Exhibit A is Wayne Canning's personal statement detailing the adverse impacts that this project would inflict on the 82 to 100 licensed lobstermen in District 11. A list of license holders from District 11 obtained by Mr. Canning from DMR is attached to his Statement. Mr. Canning also has included the May 4, 2013 letter sent to the U.S. Army Corps of Engineers by the Downeast Lobstermen's Association, opposing the proposed Searsport dredge project. DELA's letter confirms the uncompensated, multi-year adverse impacts suffered by the lobstermen in District 11, including Mr. Canning, due to past

dredging projects, including the 2003 Belfast Harbor dredging project. Mr. Canning's statement and the DELA letter are incorporated in this petition as though stated herein.

**DAVID BLACK:**

12. David Black is a Belfast resident and a lobsterman, holding a Maine commercial lobster and crab fishing license. Mr. Black has fished for more than 55 years in Belfast Bay and Penobscot Bay out of Belfast, Maine, and fishes in the area proposed by NAF for placement of its intake and discharge pipelines and the area where wastewater will be discharged.
13. Mr. Black has participated in local and State proceedings and meetings in connection with this permitting process and has submitted and given testimony in opposition to the NAF project as proposed.
14. Attached as Exhibit B is Mr. Black's Statement detailing some of his personal knowledge of the lobster fishery in the upper Penobscot Bay and Belfast Bay – an area where he has made a living fishing for decades. Mr. Black confirms the uncompensated, multi-year adverse impacts suffered by the lobstermen in District 11, including him, due to past dredging projects (including the 2003 Belfast Harbor dredging project) and past placement of pipelines that obstruct the movement of lobsters in and around the Bay. Mr. Black's statement is incorporated in this petition as though stated herein.

**Particularized Adverse Impacts from this Proposed Project that These Petitioners for Intervenor Party Designation Will Suffer:**

15. The impacts that Petitioners will suffer from this project as proposed include direct impacts on the abundance, distribution, health, access to and commercial value of lobsters in and from Belfast Bay and Penobscot Bay, as well as the potential adverse economic impacts from possible contamination of lobsters caused by disturbing long-buried HoltraChem mercury or discharge of contaminants in the NAF wastewater, which could irreparably damage the reputation for wholesomeness of *all lobsters* marketed and sold under the Maine Lobster brand – including but not limited to lobsters that are caught or landed specifically in or from Waldo County in Belfast and Penobscot Bays.
16. Among those impacts is the deposition of process waste into Penobscot Bay, polluting the Bay and impairing the farming of mussels and harvesting of lobsters, and fouling beaches where members and their families swim and fish;
17. In addition, these impacts include permanent physical loss of use and access to traditional fishing grounds by lobstermen, crabbers, urchin fishermen and scallopers in the area of the proposed pipelines and wastewater and effluent dumping, and potential loss of use of a far more expansive area of the upper Penobscot Bay if the proposed pipeline and wastewater and effluent dumping cause new contamination and/or the re-suspension and spread of long-dormant and buried mercury contamination from Mallinckrodt and HoltraChem.
18. IMLU members and other licensed lobstermen and crabbers have already lost the use of approximately 13 square miles of lobstering and crabbing grounds near this area due to the presence of mercury contamination. This project poses a threat of disturbing similar contamination from the same original sources (Mallinckrodt and HoltraChem), as well as new and as yet not fully revealed additional contamination that will damage the

marketability and/or abundance of lobster and crab, as well as other commercially fished species in this area.

19. NAF's third proposed pipelines route and configuration proposes that a large portion of the intake pipelines and most of the outfall/discharge pipeline would be buried in the intertidal zone originating in and near the Little River and extending into Belfast and Penobscot Bay. NAF proposes that these pipelines will be buried by use of destructive mechanical trenching in this fragile and sensitive intertidal estuary.
20. NAF also proposes to use blasting to destroy ledge in this area so that it can bury these pipelines – again disturbing and spreading buried HoltraChem mercury that the federal court's experts have determined is buried in this area.
21. NAF then proposes to place the remaining length of the outfall and intake pipelines along the surface of the Bay beginning at a depth of approximately 32-feet, covered by gravel and a concrete covering. This construction process would form an underwater seawall that is approximately 5.5 feet high and 8 to 10 feet wide. This wall will inevitably alter currents in the area, trap wastewater, disrupt and obstruct the movement of lobsters and other sealife, and damage or destroy valuable lobstering grounds where 100 to 200 lobstermen currently fish from Districts 10 and 11.
22. The up to 7.7 million gallons of wastewater that NAF proposes to dump daily into the fertile lobstering grounds of Penobscot Bay will be 5° to 33° Fahrenheit warmer than the natural temperatures of Penobscot Bay – depending on the time of year of the discharge. Dumping wastewater that is significantly warmer than the ambient temperatures of the Bay will adversely impact lobsters at all stages of development and permanently harm the Penobscot Bay lobster fishery. To understate such adverse impacts, NAF has filed “expert” reports falsely claiming that there is no significant lobster presence in this area – new to the almost 200 lobstermen who make a living fishing this area each year.
23. Attached as Exhibit C are county-by-county lobster landings data from the Maine Department of Marine Resources dating from 1964 to 2018. This data flatly contradicts the specious claims made by NAF and its agents that there are few lobsters in the area where NAF proposes to place its pipelines and that NAF acknowledges will be directly impacted by its wastewater discharges. This data is incorporated by reference into this petition as though stated herein. This data can be found online at:  
<https://www.maine.gov/dmr/commercial-fishing/landings/documents/lobster.county.pdf>
24. Exhibit C confirms Mr. Black's statement, demonstrating the exponential increase in lobsters and lobster landings in Waldo County as the Bay has begun to recover from past industrial degradation and pollution of this area of the Bay. From 1964 to 1999, the Waldo County lobster catch was not significant enough for DMR to even be separately mention in its report. From 2000 to 2003, Waldo County's catch was included with the Knox County data. However, beginning in 2004, the Waldo County catch had rebounded enough to be separately reported by DMR.
25. In 2004, the Waldo County catch was 401,706 pounds, worth \$1,762,878 at the dock.
26. However, the catch drastically declined as a result of the effects of the 2003 Belfast Harbor dredge on the upper Bay fishery. In 2005, the catch declined by over 29% to 284,661



pounds. The catch remained under the 400,000-pound range until 2011.

27. In 2011, the catch was 456,016 pounds with a value of \$1,449,663. Since 2014, the Waldo County Catch ranged between 746,704 pounds and 864,528 pounds, with a value in excess of \$3 million each year.
28. The value of the Waldo County lobster catch has a value in the local and Maine economy of three to five times the value of the catch at the dock – meaning the Waldo County lobster catch has an economic worth to the Maine and Midcoast economies of in excess of \$9 million and \$15 million *annually*.
29. The value of this catch far exceeds the potential annual economic benefits to the Maine and local economy of the proposed NAF project. This significant economic value would be lost if this project is approved.
30. Attached as Exhibit D is a detailed list of adverse impacts of the NAF project, as proposed, that will have direct, immediate, significant adverse impacts on lobsters' health and quantities, access to traditional lobster fishing grounds currently used by 100 to 200 lobstermen, the reputation and sustainability of the lobster fishery in the upper Penobscot Bay, and the reputation for wholesomeness of Penobscot Bay lobster and the Maine lobster brand.
31. Attached as Exhibit E is a mercury distribution chart prepared by the federal court's experts during Phase II of the PRMS. This chart is incorporated herein as though stated in this petition. This chart shows that the level of contamination from buried HoltraChem mercury in the area NAF proposes to dredge, blast and place its pipelines is 200-300 ng/gm. NAF has confirmed a level of 239 ng/gm in one of the 3 core samples they took last year. NAF's employee Ed Cotter has told the Belfast Harbor Committee that NAF did not test 7 of the 10 core samples NAF took, 2 samples were "inconclusive" for mercury, and one of the 3 tested cores showed 239 ng/gm (just as the Court's experts stated was present. It is significant that NAF found this level of mercury, since NAF confirmed that it did use the more accurate PRMS core sampling and testing protocol to do its testing.
32. The IMLU, Wayne Canning and David Black are willing and able and prepared to participate in the Board's Hearings as Full Parties, have retained an attorney and have experts who have been studying this area of Penobscot Bay and/or the Project and are prepared to present expert testimony relevant to NAF's applications and proposed project.
33. Consideration of the forgoing is required by:
  - a. The Clean Water Act, 33 U.S.C. 1251 et seq. and State companion statutes and regulations;
  - b. Maine State Regulations Chapter 38, Section 413, Waste Discharge Licenses;
  - c. Maine State Regulations Chapter 7 Part 10, Concentrated Animal Feed Operations;
  - d. Maine Statutes Title 38, Chapter 3, Site Location of Development;
  - e. Maine Statutes Title 38, Chapter 3, Wetlands;
  - f. Maine Statutes Title 38, Chapter 3 Natural Resources Protection Act; and
  - g. Maine Statutes Title 38, Chapter 3, Water Withdrawal.

WHEREFORE, the IMLU and its members, Wayne Canning and David Black will be “substantially and directly affected by the proceeding.”

FOR THE ABOVE REASONS, the IMLU, Wayne Canning and David Black request that this Petition for Intervention be GRANTED.

Dated this 10<sup>th</sup> day of July, 2019.

Respectfully Submitted,



Kim Ervin Tucker, Esq., Maine Bar No. 6969  
On Behalf Of the Maine Lobstering Union;  
Wayne Canning, Zone D Lobster Council  
Representative for District 11 Lobstermen; and  
David Black, Belfast Lobsterman

48 Harbour Pointe Drive  
Lincolntonville, Maine 04849  
P: 202-841-5439  
[k.ervitucker@gmail.com](mailto:k.ervitucker@gmail.com)

# EXHIBIT

## A

## STATEMENT OF WAYNE CANNING

My name is Wayne Canning and I am the District 11 representative for the State of Maine Zone D Lobster Management Policy Council. I represent 100 lobster fishermen in this area. (Attached is list of names and commercial lobster license numbers of all fishermen that I represent in Zone D, District 11). The purpose of this statement is to provide concerns and facts to the Maine Board of Environmental Protection regarding the licensing request for intake and discharge pipes proposed by Nordic Aquafarms for their RAS project located in Belfast and Northport.

While every fisherman in Zone D and in Penobscot Bay would be adversely impacted by this project, those individuals in my District, District 11, would be impacted the most. As I discuss this project with fishermen regularly, it is very clear that a majority of the fishermen working in the area of this proposed pipe are very concerned and opposed to this project.

Local fishermen have the best knowledge of the conditions in the bay, and have seen the impacts of other similar projects which have caused great harm to the environment in Upper Penobscot Bay. Examples follow:

- Periodic dredging at Mack point in Searsport causes lobster production to decline in areas close to the projects.
- The dredging of Belfast Harbor in 2003 caused a sharp decline lobster production that lasted for a decade. (See attached letter from DELA).
- The placement of a sewer pipeline across Belfast Harbor in the year 2000 stopped lobster migration into the inner harbor and up the river. This area had previously been very productive lobster fishing, and has never returned to its earlier production.

The Nordic Aquafarms pipeline as proposed will affect lobster fishing in Upper Penobscot Bay in the following ways:

- Dredging and blasting for construction of this pipeline will cause lobsters to avoid the area the same as it does in any other dredging project.
- Buried mercury is a known contaminant in the bottom sediment in this area. This mercury contaminated sediment, found to be in this locations during the federal court's Penobscot River Mercury Study, will obviously be disturbed not only by dredging and blasting, but by the continuous operation of this pipeline.
- The Penobscot River is now closed to all lobster and crab fishing as far South as Stockton Harbor due to methyl mercury contamination found in samples of the lobsters and crabs taken from that area. This contamination was caused by buried mercury in the river being dislodged solely by river currents. When that area was closed, several fishermen including myself were displaced and can no longer fish there. **WE DO NOT WANT THE SAME THING TO HAPPEN IN BELFAST BAY BECAUSE OF THE NORDIC AQUAFARMS PIPELINE, IT'S CONSTRUCTION AND IT'S OPERATION.**
- As any fisherman can tell you, lobsters are very sensitive to even slight changes in the environment. This project proposes to dump enormous amounts of brackish and warm water (15°-18° Celcius; 59°-64.4° Fahrenheit) into a small area of Belfast Bay. This alone will cause lobsters and crabs to move away and not return to the area. Many fishermen will be displaced by the impacts of this project. Due to the very territorial nature of the lobstering society, it is almost impossible to relocate your fishing business to someone else's area. Many conflicts would arise.
- Interestingly, this pipeline is located just over 1 mile from the proposed dump site for the Searsport Harbor Improvement Dredge Project that resulted in huge controversy and was finally canceled because it would have caused so much destruction to the environment. **THE NORDIC AQUAFARMS PROJECT SHOULD NOT BE APPROVED FOR VERY SIMILAR REASONS.**

Lobster landings in this area have doubled in the last decade when there has been no disruption of the bottom sediments. (see State landings data for Waldo County). Nordic Aquafarms' claims that this area has few lobsters is simply false. While landings in this area are lower than other areas of the state, it is a

very important industry for Waldo County. Remember that this is a very small area, and up to 100 fishermen make a living here year in and year out. The lobster landings by these 100 fishermen are worth 3 to 5 times the amount of those landings to the local Midcoast economy according to the Maine Lobster Institute. This is a significant economic contribution to the Maine economy that will be lost if this project is allowed to proceed.

Additionally, there are several local fishermen who fish for crabs in the winter months that would be adversely impacted by this project - as would the other local businesses that then sell the catch these lobstermen bring in.

Underwater pipelines have been the root and cause of many environmental disasters over time, and this project will be no different. The few jobs that may be created by this pipeline on the mainland will be more than offset by the displaced fishermen and lost jobs of the fishermen in my District. The ripple effect in the restaurant and tourism industries will also be significant.

As the fishermen's representative in this area, I ask that you do not approve any permits for the Nordic Aquafarms pipeline proposal.

Sincerely,  
Wayne Canning  
Zone D District 11 representative

A handwritten signature in cursive script that reads "Wayne Canning". The signature is written in dark ink and is positioned below the typed name and title.

Downeast Lobstermen's Association  
P. O. Box 88  
Belfast, ME 04915  
May 4, 2013

Project Manager Barbara Blumeris  
US Army Corps of Engineers  
New England District, Engineering & Planning Division  
696 Virginia Road  
Concord, MA 01742

Re: Searsport Harbor Dredging Project

Dear Ms. Blumeris,

Our first and most important reason for writing this letter is to request a full Environmental Impact Statement to be conducted on the Searsport Harbor Dredging project as well as a public hearing.

We feel that the impact of this dredging project could have an adverse effect on the upper Penobscot Bay. We understand that the maintenance part of this project is a small percentage of the entire project that is being proposed.

The big concern that needs to be addressed comes into the *expansion* of the project. The amount of bottom that will be removed and re-located "down toward the "I - I" Buoy", which is not classified as a "Dumpsite," will have a devastating impact on the lobster fishery in this area.

The maintenance of the existing channel should not be incorporated into an expansion project which has no relevance due to the fact that the LPG tankers will not be using the Searsport Facility.

Our members have been and continue to be involved in environmental studies concerning pollution issues and the impact of it on our marine resources. The balance of our marine eco-system is starting to make a come-back after the devastation of the dredging of Belfast Harbor from the last decade. This recovery has taken "years."

We strongly urge that the scientific and environmental data/impact of this project should be shared with the public, so those that will be directly affected by this will have an opportunity to voice their concerns.

Respectfully Submitted,

*Sheila H. Dassatt*  
Sheila H. Dassatt

Executive Director

Downeast Lobstermen's Association - [dassatt711@yahoo.com](mailto:dassatt711@yahoo.com), 207 338-1406

74 Commercial / 8 students

Total: 82

Table with multiple columns containing names, addresses, phone numbers, and email addresses. Includes handwritten annotations like 'These' and 'AY'.

Handwritten 'These' with an arrow pointing to a section of the table.

Handwritten 'AY' and 'AAHou'.

These  
41

Table with columns: ID, Name, Address, City, State, Zip, Phone, Email. Includes handwritten '41' and 'These'.

Students sorted by Town and Last Name

Students

Table with columns: ID, Name, Address, City, State, Zip, Phone, Email. Includes handwritten '8' and 'Students'.



(3)

Table with columns: ID, Name, Address, City, State, Zip, Phone, Email, etc. Includes names like ILVONEN, PHILIP, SIMMONS, BOETSCH, etc. and locations like ROCKLAND, WILDOBORO, WALDOBORO.

First Name	Last Name	Initials	Address	City	State	Zip	Phone	Occupation	Notes
7141	SPEAK	MILAN	THOMAS	55 KENNETH LN	CUSHING	ME	04563	LCS	
170707	SPEAR	ZACHARIAH	Thomas	16 Vine St	Damariscotta	ME	04543	LCS	207-542-28914
12533	BRACY	MILES		PO BOX 1341	Damariscotta	ME	04543	LCS	207-975-4363
6063	ESPARZA	QUINTIN		81 Keene Woods Road	Damariscotta	ME	04543	LCS	207-615-1133
1464	FINK	SULLIVAN		679 NORTH SERSPORT RD	Frankfort	ME	04438	LCS	207-530-7017
4595	CLARK	CAMERON	E	81 MEDUNCOOK DR	FRIENDSHIP	ME	04347	LCS	207-790-8119
171521	BAINS	ERIK	a	3223 COLONEL STAIRS RD	FRIENDSHIP	ME	04547	LCS	207-831-0659
1218	BENNER	LINDSAY		3223 COLONEL STAIRS RD	FRIENDSHIP	ME	04547	LCS	207-837-0659
170432	BENNER	CODY		18 BURNS DR	FRIENDSHIP	ME	04547	LCS	207-790-0744
9249	BURNS	BRADY	S	PO BOX 231	FRIENDSHIP	ME	04547	LCS	207-975-4519
4678	CARTER	DONALD	L	29 SALT POND ROAD	FRIENDSHIP	ME	04547	LCS	207-334-0604
4036	CARTER	AEDEN		3224 COLONEL STAIRS RD	FRIENDSHIP	ME	04547	LCS	207-4267550
8067	CHAFFEE	AMAYA		3224 COLONEL STAIRS RD	FRIENDSHIP	ME	04547	LCS	207-5426750
8068	CHAFFEE	GABRIEL		3224 COLONEL STAIRS RD	FRIENDSHIP	ME	04547	LCS	207-5426750
8070	CHAFFEE	JONAH		3224 COLONEL STAIRS RD	FRIENDSHIP	ME	04547	LCS	207-266-0912
8071	CHAFFEE	DYLAN		264 WALDOBORO RD	Friendship	ME	04547	LCS	207-5426750
4570	DAVIS	NATHAN		14 MATTONSON LANE	FRIENDSHIP	ME	04547	LCS	207-592-6335
4281	EMERSON	NOLAN		19 SIMMONS LANE	FRIENDSHIP	ME	04547	LCS	207542630
1404	GAHAGAN	POKTER		19 SIMMONS LANE	FRIENDSHIP	ME	04547	LCS	207-975-9850
171487	GAHAGAN	ALEKA	J	304 WALDOBORO RD	Friendship	ME	04547	LCS	207-975-9850
2907	GENTHNER	KADEN		38 SHIPYARD RD	Friendship	ME	04547	LCS	207-540-5264
829	GENTHNER	DONALD		PO BOX 390	FRIENDSHIP	ME	04547	LCS	207-491-3621
171116	HAVENER	GRACE		PO BOX 390	FRIENDSHIP	ME	04547	LCS	207-832-6090
5470	HAVENER	RUTH		PO BOX 390	FRIENDSHIP	ME	04547	LCS	207-832-6090
4557	HAVENER	ISAAC		15 HARBOR RD	FRIENDSHIP	ME	04547	LCS	207-832-6090
170669	MCCOLLETT	JYV		402 WALDOBORO RD	FRIENDSHIP	ME	04547	LCS	207-832-6922
6573	MCCOLLETT	JORDAN		402 WALDOBORO RD	FRIENDSHIP	ME	04547	LCS	2075424922
4515	POWELL	TAYLAH		PO BOX 219	Friendship	ME	04547	LCS	2078324973
140	REED	AVERY		51 SIMMONS LANE	Friendship	ME	04547	LCS	207-832-7278
424	SIMMONS	BRAEDEN	A	65 MARTIN POINT RD	FRIENDSHIP	ME	04547	LCS	207-975-2021
2951	SIMMONS	Coby	Thomas	24 Bayview Rd	Friendship	ME	04547	LCS	2078324154
9304	SIMMONS	CONNOR	Alex	32 MATTONSON LANE	FRIENDSHIP	ME	04547	LCS	207-932-7592
1460	SIMMONS	CORRIE	M	81 MEDUNCOOK DR	FRIENDSHIP	ME	04547	LCS	207-534-0901
6557	SIMMONS	EMMA	E	51 SIMMONS LANE	FRIENDSHIP	ME	04547	LCS	207-790-8119
2539	SIMMONS	EVAN		PO BOX 353	FRIENDSHIP	ME	04547	LCS	2078327201
9431	SIMMONS	ISAAC		24 BAYVIEW LANE	FRIENDSHIP	ME	04547	LCS	207-354-9545
16399	SIMMONS	KENDALL	S	81 MEDUNCOOK DR	FRIENDSHIP	ME	04547	LCS	207-832-7592
6593	SIMMONS	LYDIA		32 MATTONSON LANE	FRIENDSHIP	ME	04547	LCS	207-790-8119
3687	SIMMONS	MADILYN		32 MATTONSON LANE	FRIENDSHIP	ME	04547	LCS	207-354-0901
170141	SIMMONS	NATALIE		181 WALDOBORO RD	FRIENDSHIP	ME	04547	LCS	207-354-0901
9127	SIMMONS	PETER		PO BOX 353	FRIENDSHIP	ME	04547	LCS	207-542-8545
170528	SIMMONS	RONALD		39 SIMMONS LN	FRIENDSHIP	ME	04547	LCS	2078326322
1211	SIMMONS	WALKER		9 BAYBERRY DR	FRIENDSHIP	ME	04547	LCS	207-832-4120
2729	SIMMONS	WYATT		9 BAYBERRY DR	FRIENDSHIP	ME	04547	LCS	207-832-4120
170935	SIMMONS	CHAD	E	PO BOX 32	FRIENDSHIP	ME	04547	LCS	207-832-7980
2875	SPROUL	NANCY		PO BOX 32	FRIENDSHIP	ME	04547	LCS	207-832-7980
6871	THIBODEAU	JACQUES	D	25 LOG CABIN DR	Friendship	ME	04547	LCS	207-542-5582
828	THOMAS	MACKENZIE		131 BRADFORD POINT RD	FRIENDSHIP	ME	04547	LCS	207-542-4147
171296	TOLMAN	ANA		487 CUSHING RD	Friendship	ME	04547	LCS	207-691-5977
170423	UNDERHILL	OWEN		487 CUSHING RD	Friendship	ME	04547	LCS	207-691-5977
2120	UNDERHILL	TRENT		483 MARTINS POINT RD	FRIENDSHIP	ME	04547	LCS	207-832-5391
9611	WALLACE	KYLIE		487 CUSHING RD	FRIENDSHIP	ME	04547	LCS	207-542-0034
2927	WEEKS	MYRON		29 BIRCH DRIVE	FRIENDSHIP	ME	04547	LCS	207-542-1228
4149	WOTTON	ABIGAIL	M	8 DARLENE AVE	HARPSWELL	ME	04079	LCS	207-832-7242
2037	LUCAS	KODY		280 MAIN ST	HOPE	ME	04847	LCS	2072719533
9428	SIMMONS	LEAH		51 BEVERAGE RD	HOPE	ME	04847	LCS	207-542-8115
2822	SNYDER	Finley		133 Marshall Cove Road	ISLESBORO	ME	04848	LCS	207-763-7272
8742	CONOVER	HARPER		133 MARSHALL COVE RD	ISLESBORO	ME	04848	LCS	2077346659
2222	CONOVER	DYLAN		790 MAIN RD	ISLESBORO	ME	04848	LCS	2075724691
2416	FRANK	ROBERT	J	PO BOX 167	ISLESBORO	ME	04848	LCS	207-572-4691
3113	LEGERE	ADIN		117 MILL CREEK RD	ISLESBORO	ME	04848	LCS	2077349745
170731	RANDLETT	SYLVIA		117 MILL CREEK RD	ISLESBORO	ME	04848	LCS	207-734-0943
8454	RANDLETT	WYATT		PO BOX 6	Jellison	ME	04348	LCS	207-734-6461
6703	FLAGG	NOAH		62 NORTH COBBTOWN RD	Lincolnville	ME	04849	LCS	207-446-0649
251	LANG	JUSTIN		2636 BELFAST RD	Lincolnville	ME	04849	LCS	207-763-3479
9534	SECOTTE	MASON		26 DORY LANE	OWLS HEAD	ME	04854	LCS	207-763-4130
170668	BANOW	APRIL	L	35 ILVONEN LN	OWLS HEAD	ME	04854	LCS	2075966007
171554	DOWNER	NOAH	T	7 STELLAR BLOSSOM WAY	OWLS HEAD	ME	04854	LCS	2075427232
3036	ERSKINE	MARSHALL	P	143 SO SHORE DR	OWLS HEAD	ME	04854	LCS	207-542-4764
2060	MILLS	CHASE	Leigh	89 Bellevue Street	Owls Head	ME	04854	LCS	207-394-7478
3577	MONROE	GAGE		PO BOX 25	OWLS HEAD	ME	04854	LCS	2075428826
170844	NICKLES	BRADLEY	A	55 MAHALA LN	OWLS HEAD	ME	04854	LCS	207-701-8924
10203	NYSTROM	PAIGE	N	55 MAHALA LN	OWLS HEAD	ME	04854	LCS	2075967629
4632	NYSTROM	OWEN		5 POST LANE	OWLS HEAD	ME	04854	LCS	207-596-7629
5630	POST	LUCA		140 BAYSIDE WEST	OWLS HEAD	ME	04854	LCS	207-691-4888
9664	SILETTI	REBECCA		200 BALLYHAC RD	OWLS HEAD	ME	04854	LCS	207-542-2486
1241	SPEARING	ZACHARY		200 BALLYHAC ROAD	OWLS HEAD	ME	04854	LCS	207-691-6338
2428	SPEARING	COLE		PO BOX 255	OWLS HEAD	ME	04854	LCS	207-691-6338
3698	STEVENS	GRACE		PO BOX 214	OWLS HEAD	ME	04854	LCS	2075967718
9904	WOODMAN	ZACHARY		PO BOX 214	OWLS HEAD	ME	04854	LCS	207-593-9160
9905	WOODMAN	EBEN		330 OLD COUNTY RD	BEMAUOND	ME	04558	LCS	207-593-9160
171097	LORD	CADEN		PO BOX 152	Pembiscot	ME	04476	LCS	207-572-2016
4815	HEWES	JAMES		PORT CLYDE	ME	04855	LCS	207-372-8128	
391	CODY	ZACHARIAH		PORT CLYDE	ME	04855	LCS	207-372-8128	
70402	CURTIS	CONNOR		PORT CLYDE	ME	04855	LCS	207-372-6557	
3245	CURTIS	JACOB	S	PORT CLYDE	ME	04855	LCS	207-372-6557	
1144	CUSHMAN	ELLA		PORT CLYDE	ME	04855	LCS	207-372-6429	
7196	CUSHMAN	MASON		PORT CLYDE	ME	04855	LCS	207-372-8110	
1279	JOHNSON	CHRISTIAN		Port Clyde	ME	04855	LCS	207-691-5923	
170807	PETERSDORF	JADEN		PORT CLYDE	ME	04855	LCS	207-372-1172	
206	SCHWAB	HAYDEN	B	Port Clyde	ME	04855	LCS	207-372-8857	
170675	SIMMONS	MYA		PORT CLYDE	ME	04855	LCS	207-372-2023	
2285	CLAYTON	NOAH		ROCKLAND	ME	04841	LCS	207-462-7927	
7911	FRANK	NOAH	B	21 FULTON ST APT. E	ROCKLAND	ME	04841	LCS	207-691-2707

2018 Zone D Lobster License Holders  
In Order by District

License Number	Last name	First name	MI	Suffix	Address	City	State	Zip	License Type	Landline	Mobile	Email	
9030	AUTIO	DAVID			288 MEDOMAK RD	BREMEN	ME	04551	LC20	207-529-5354			
3379	AUTIO	H DAVID		JR	288 MEDOMAK RD	BREMEN	ME	04551	LC1	207-529-5354			
8074	AUTIO	WAINO			PO BOX 274	NEW HARBOR	ME	04534	LC1	207-677-3113			
4860	BABB	MARLEY	L		277 RIDGE RD	Tenants Harbor	ME	04860	LC3			toddswell@gmail.com	
4985	BALL	ROBERT	J		472 LOWER ROUND POND RD	BRISTOL	ME	04539	LC2	207-529-5123	207-691-3382	spiritworldshooting@gmail.com	
7741	BARNES	MARK	A		PO BOX 127	OWLS HEAD	ME	04854	LC1		207-380-4558	robertball4985@gmail.com	
8945	BELKNAP	SAMUEL	L		7 BELKNAP POINT RD	DAMARISCOTTA	ME	04543	LC2		207-691-5153	coolstermann1958@gmail.com	
1571	BENNER	ARNOLD	H		PO BOX 322	FRIENDSHIP	ME	04547	LC20	2078324874		burtoson@gmail.com	
5747	BENNER	CALE		Devon	28 Portland Hill rd	NOBLEBORO	ME	04555	LC3		207-315-0364	ababb2@yahoo.com	
8150	BISHOP	ANN	W		160 GOOSE HILL RD	Jefferson	ME	04948	LC0	2075495291	2079753697	GOOSEBUSH@GMAIL.CO	
7793	BOLITA	DANIEL	S		1396 BACK COVE RD	WALDOBORO	ME	04572	LC2	2078525152	2073804309	dbolita@roadrunner.com	
59201	BOYINGTON	DONALD	C		1479 Dutch Neck Rd	WALDOBORO	ME	04572	LC30	2077980808	207-790-0013	donaldboyington@gmail.com	
1247	CHENEY	ALAN	B		1677 BRISTOL RD	BRISTOL	ME	04539	LC0		207-350-1074		
99548	CHENEY	RICHARD	A		PO BOX 219	NEW HARBOR	ME	04554	LC2				
9379	COOLEY	GABRIEL	C		1299 BACK COVE RD	WALDOBORO	ME	04572	LC1	207-677-2426	207-389-4334		
3966	COWAN	SHAWN	C		39 RODGERS RD	NEW HARBOR	ME	04554	LC2	207-832-4448	207-975-0722	gabrielcooley41@gmail.com	
4243	CURKIS	RICHARD	J		734 CUSHING RD	FRIENDSHIP	ME	04547	LC2	207-677-6387		fyre@tidewater.net	
8708	CURKIS	WYATT	H		PO BOX 189	PORT CLYDE	ME	04855	LC0		207-575-5720	riskybusiness7795@gmail.com	
12883	DAKIN	SCOTT	L		21 PROSPECT ST	SEARSPORT	ME	04974	LC1	2077326204		tdakin@g@yahoo.com	
1256	DAWSON	MICHAEL	R		39 LAKEVIEW DR	BRISTOL	ME	04539	LC3	207-548-6084	207-323-7388	scottsdakin@icloud.com	
4329	DAWSON	NOAH		William	42 LAKEVIEW DR	BRISTOL	ME	04539	LC1	2075631562	2073804036	tomcano@tidewater.net	
9690	DRSKO	DONALD	F		PO BOX 222	NEW HARBOR	ME	04554	LC2	2075631562	2073801567	noah.dewson15@gmail.com	
6509	DURKEE	EARL	F		804 MAIN RD	ISLESBORO	ME	04848	LC20	2076772432		Lcmrney@gmail.com	
70390	DYER	SPENCER	T		116 COGGINS RD	ROUND POND	ME	04564	LC3		207-529-5006		
5503	EUGLEY	ROBERT	V		49 MEDOMAK ROAD	BREMEN	ME	04551	LC2	2075295292	2073806406	FVTHECHAIN@GMAIL.C	
2379	FELTIS	MARINA	L		479 ATLANTIC HWY	WALDOBORO	ME	04572	LC2		207-691-0497	207-832-1478	vseugley@gmail.com
9425	FITZPATRICK	JOSHUA	J		PO BOX 264	BRISTOL	ME	04539	LC2		0	207-380-7378	mfeltis@gmail.com
3806	FLOWER	KENNETH	B		21 RIDGE RD	WALPOLE	ME	04573	LC1		207-444-6511	207-642-2036	JFITTY43@GMAIL.COM
4922	GENTHNER	ZACHARY	A		694 WASHINGTON RD	WALDOBORO	ME	04572	LC1			207-480-0418	
9848	GEROUX	DARRYL	L		38 HINKS RD	Jefferson	ME	04948	LC3			207-380-6447	
5875	GEYER	BENJAMIN	T		PO BOX 448	NEW HARBOR	ME	04554	LC2		0	207-350-7958	
5095	GIFFORD	CHRISTOPHER	C		33 LEBMAN HILL RD	NEW HARBOR	ME	04554	LC2		207-677-2107		
3799	GIFFORD	TRAVIS	M		33 LEBMAN HILL RD	NEW HARBOR	ME	04554	LC1		207-677-2107		
70292	GUPTILL	FRANK		III	89 FOREST LAKE RD	FRIENDSHIP	ME	04547	LC3	207635441	207-632-5443	fguptill@yahoo.com	
1112	HANNA	CASEY	A		PO BOX 86	NEW HARBOR	ME	04554	LC1	2076772428	2073506029	HANNASQUARED1@GCM	
787	HANNA	DAVID	W		PO BOX 86	NEW HARBOR	ME	04554	LC1	207-677-2428		gailhanna@roadrunner.com	
7436	HANNA	NATHAN	P		4 UPLAND LANE	BRISTOL	ME	04539	LC2	2075294607		nhanna@midcoast.com	
2272	HANNA	THOMAS	N		4 UPLAND LN	Bristol	ME	04539	LC1	207-529-4607		nhanna@midcoast.com	
4384	HARVEY	JOHN	D		249 HARBOR RD	Swans Island	ME	04685	LC1	207-479-7413	207-542-3970		
3327	HATCH	DARREN	A		PO BOX 193	ROUND POND	ME	04564	LC1	2075296807	2075976809	dnhatch@tidewater.net	
9452	HICKEY	WILLIAM	R		PO BOX 286	Tenants Harbor	ME	04860	LC20	2073248622		0 thebornsaine@gmail.com	
6270	HOPE	STEVEN	R		53 INDIAN TRAIL	NEW HARBOR	ME	04554	LC1	2076772051	207833375	sh0524@yahoo.com	
4712	HUPPER	BRIAN	R		13 MOSQUITO HEAD RD	Tenants Harbor	ME	04860	LC2	207-372-6218	207-975-1580	Lhopper@hotmail.com	
7674	HUPPER	NEAL	P		3 STANLEY LN	Tenants Harbor	ME	04860	LC20	2073728409		nhopper07@gmail.com	
7482	HYVARINEN	MICHAEL			35 SPRING LN	St. George	ME	04860	LC2		207-691-1676	mhivarinen@roadrunner.com	
3614	KNIGHT	WILLIAM	A		PO BOX 430	New Harbor	ME	04554	LC0	207-529-5482			
1027	LEEMAN	MARTIN	E		PO BOX 16	NEW HARBOR	ME	04554	LC3	2075772997	2075974800	tifer1@roadrunner.com	
9116	LEWIS	CHRISTOPHER	F		862 ST RT 129	WALPOLE	ME	04573	LC1	2076440033	2073507028	Chesiedogs2005@yahoo.com	
1716	LORD	JASON	F		330 OLD COUNTY RD	PEMAQUID	ME	04558	LC3	207-677-2016	207-350-0519	FVANNALISA2@HOTMAIL.COM	
5639	LORD	NATHAN	D		12 OAK GROVE LANE	ROUND POND	ME	04564	LC3	2075292683	2073801575	Lennip@tidewater.net	
4260	MARTIN	CAMERON			988 EASTERN RD	WARREN	ME	04864	LC2	207-273-2532	207-596-3646	CAMERON.MARTIN@MA	
1483	MCCLURE	THOMAS	C		173 WATERMAN BEACH RD	SOUTH THOMASTON	ME	04858	LC2		2073903743	tomth73@yahoo.com	
8022	MCGOWN	ALLAN	J		PO BOX 104	SPRUCEHEAD	ME	04839	LC0	207-848-5124	207-944-3680		
9447	MONACO	CURT			1717 ALNA ROAD	Alna	ME	04535	LC2		2075040580	curt.monaco@gmail.com	
543	MOODY	MARK	A		16 PERCY'S COVE RD	NOBLEBORO	ME	04555	LC3	207-446-1688		mmmoody87@yahoo.com	
3255	MOODY	MARK	A		909 EAST POND RD	NOBLEBORO	ME	04555	LC2		2074461686	mmmoody56@yahoo.com	
2043	MOODY	MATTHEW	J		1233 MAIN ST	WALDOBORO	ME	04572	LC3	207-832-0621	207-542-4341	mmmoody56@roadrunner.com	
5884	MORSE	VIRGIL	O		PO BOX 202	Tenants Harbor	ME	04860	LC0	20737267576		penelalum@gmail.com	
9986	MYACHIN	IGOR	V		52 MOUNTAIN VIEW EXT	Rockland	ME	04841	LC1		0	207-332-6977	
70411	NICKLES	RONALD	R		439 SOUTH SHORE DR	OWLS HEAD	ME	04854	LC2	207-594-2338		obrien04539@roadrunner.com	
9951	O'BRIEN	JOHN	C		21 OLD COUNTY RD	BRISTOL	ME	04539	LC1	207-563-5129	207-380-1919	KTOZ5@YAHOO.COM	
3470	O'BRIEN	KYLE	C		972 BISCAVY RD	BREMEN	ME	04551	LC2	207-529-4114		207-790-8837	
11680	PALINO	PAUL	E		44A SPRAGUE RD	Nobleboro	ME	04555	LC2	207-563-8539		207-632-5116	SEACOASTS@TIDEWATER
142	PENDLETON	RONALD			104 SOUTH SIDE RD	NEW HARBOR	ME	04554	LC0	207-677-3200	207-446-8220	rpending@tidewater.net	
5755	PHILBRICK	BERT	A		PO BOX 1217	ROCKLAND	ME	04841	LC2	207-596-6093		207-701-7296	Polandrew2008@gmail.com
4442	POLAND	ANDREW	L		PO BOX 132	ROUND POND	ME	04564	LC1			207-380-7410	
6874	POLAND	BRUCE	W		21 MCCURDY RD	BREMEN	ME	04551	LC2			207-310-2441	
257	POLAND	COREY	L		712 BENNER RD	BRISTOL	ME	04539	LC1	207-563-8837		corey04539@yahoo.com	
72765	POLAND	EDWARD		JR	1462 STATE RTE 32	ROUND POND	ME	04564	LC1	207-529-2424		rpobolair@tidewater.net	
7255	POLAND	FRANK	G		1680 STATE RT 32	ROUND POND	ME	04564	LC2	207-529-5289			
4103	POLAND	PETER	H		PO BOX 138	ROUND POND	ME	04564	LC2	207-529-5549			
4999	POLAND	RICHARD	H		15 LUCES MTN RD	BRISTOL	ME	04539	LC2		207-380-9349		
1540	PRIOR	MICHAEL	S		407 HARRINGTON ROAD	PEMAQUID	ME	04558	LC2	2075294232		DMPOLAND@GMAIL.CO	
2745	PROCK	COREY	A		753 EAST POND RD	NOBLEBORO	ME	04555	LC1	2076773394	207-832-1015	MARSHIS@TIDEWATER.I	
6831	REED	LAWRENCE	P		63 CRYSTAL COVE RD	WALDOBORO	ME	04572	LC3		207-380-7801	207-380-9700	goindeep6831@gmail.com
209	REILLY	MICHAEL	H		47 INDIAN TRAIL	NEW HARBOR	ME	04554	LC2	207-677-3851			
2451	REILLY	MICHELLE	L		21 PEMAQUID HARBOR RD	PEMAQUID	ME	04558	LC1		2076773045		
232	REILLY	WILLIAM			26 HUDDLE ROAD	NEW HARBOR	ME	04554	LC1		207-350-1421		
3599	RENY	MICHAEL	P		51 MORRISON RD	Round Pond	ME	04564	LC2	2075295055	2073801543	lesliereyny@yahoo.com	
11463	SAWYER	BRIAN	K		PO BOX 457	NEW HARBOR	ME	04554	LC20	207-677-2122	207-242-1504	LORTALES@TIDEWATER	
5538	SIMMONS	BERT	A		191 NOBLEBORO RD	BREMEN	ME	04551	LC0	2075295168	2075425169		
2644	SIMMONS	KEITH	A		PO BOX 63	FRIENDSHIP	ME	04547	LC3	207-832-7591			
7119	SIMMONS	MALCOLM	P		123 POOR FARM RD	BRISTOL	ME	04539	LC1		2075633219	2073803958	simmons04539@gmail.com
7075	SIMMONS	TODD	A		PO BOX 343	SOUTH THOMASTON	ME	04858	LC3		207-592-3183	207-372-5568	simmonswhar@roadrunner.com
2050	SKIDGELL	LUCKY	L		73 A BROWN RD	Morris	ME	04952	LC3			207-691-3453	josue.spear@gmail.com
11055	SPEAR	JOSHUA	A		7 ALBERT LN	CUSHING	ME	04563	LC3				
1139	STEVES	WALTON	V		18 DEEP POND DR PO BOX 131	DREXEL BRIDGE	ME	04664	LC3				

159-A	SULL	JOHN	B	SR	36 BALL BEAKS RD PO BOX 151	ROUND POND	ME	04564	LC3	401-242-3888	2073807780	zstote@yahoo.com	
14860	STOTZ	ZACHARY	S		PO BOX 214	ROUND POND	ME	04564	LC3				
70256	TAYLOR	MATTHEW	J		991 BISCA Y RD	BREMEN	ME	04551	LC2	207-295-5784	2072955784		
9381	TEDROW	JOHN	C		11 WILDER DR	NEW HARBOR	ME	04554	LCO	207-672-3732		JTEDROW@TIDEWATER.	
1148	THOMPSON	HENRY	D		PO BOX 241	FRIENDSHIP	ME	04547	LCO	207-832-2723	207-790-0130	ETHOMPSON2015@FAIRI	
2422	VERNEY	BRETT	K		129 NORTH NEWCASTLE RD	NEWCASTLE	ME	04553	LC3		2071804343	brettkverney@gmail.com	
771	WALDRON	RICHARD	L		PO BOX 233	SOUTH THOMASTON	ME	04558	LCO	207-593-7433		jdputnam@midcoast.com	
5902	WEEKS	KRISTOPHER	M		95 PERKINS POINT RD	NEWCASTLE	ME	04553	LC1	2075431073	2075223418	krisweeks2002@yahoo.com	
452	WESTHAVER	KYLE	C		PO BOX 42	ROUND POND	ME	04564	LC2	207-677-6787		captkeecresp@hotmail.com	
803	WHITMORE	GREGORY			15 SHORE DR	West Bath	ME	04530	LC3	207-443-6930	207-451-3656	LAURIEE_WHITMORE@	
4566-A	WOTTON	DONALD	A	JR	1603 BRISTOL RD	BRISTOL	ME	04539	LC3	207-677-3370		redlady@tidewater.net	
5139	WOTTON	MERRITT	G		16 Mchadden Farm rd	BRISTOL	ME	04539	LC2		2073807629	merriwotton@gmail.com	
5147	WOTTON	MITCHELL	R		31 MCFADDEN FARM RD	BRISTOL	ME	04539	LC2	(207) 557-9466		redlady@tidewater.net	
4146	AREY	SHERRILL	L		PO BOX 306	WARREN	ME	04864	LC20	207-272-8023	207-542-8811	jessey100@gmail.com	
4343	BARBOUR	GLENN			820 N NOBLEBORO RD	WALDOBORO	ME	04572	LC1	207-832-3242		hillside_dawna@twcblc.e	
3843	BOYINGTON	RALPH	L		198 WINSLOW MILL RD	WALDOBORO	ME	04572	LC30		0 207-972-5148		
9619	BRADLEY	ROBERT	B		156 SODOM RD	BRISTOL	ME	04539	LC1	207-529-5701		bjoyington3@roadrunner.co	
3680	BROWN	GLEN	L		548 N NOBLEBORO RD	WALDOBORO	ME	04572	LC1		207-992-2922	207-592-9896	
99050	CARTER	DANIEL	B		115 GROSS NECK RD	WALDOBORO	ME	04572	LC1	207-832-4040	207-790-4610	207-592-9896	
6737	CARTER	EUGENE	E		695 BENNER RD	BRISTOL	ME	04539	LC2	207-563-8762	207-312-3126	207-992-9896	
1185	CARTER	NORMAN	E		499 GROSS NECK RD	WALDOBORO	ME	04572	LC2	207-832-2087		207-592-9896	
17011	CARTER	RAYMOND	E		581 GROSS NECK RD	WALDOBORO	ME	04572	LC2	2078327083		207-592-9896	
6574	CARTER	RONALD	E		108 GROSS NECK RD	WALDOBORO	ME	04572	LC1		0 2074587334	MUSIELADY811@GMAIL	
1701-11	CARTER	SCOTT	R		133 GENTHNER RD	WALDOBORO	ME	04572	LC3	207-790-8126		gdcdcrmc@gmail.com	
70111	CARTER	TONY	M		603 GROSS NECK RD	WALDOBORO	ME	04572	LC1		0 207-548-2016		
67371	CARTER	TRAVIS	E		289 OLD COUNTY RD	WALDOBORO	ME	04572	LC2	207-832-2263		207-542-3527	
7011	CARTER	TROY	E		563 GROSS NECK RD	WALDOBORO	ME	04572	LC2		207-701-7033	207-542-3527	TROYCARTER376@YAH
7150	CLIFFORD	GARY	L		12 LITTLE RD	BRISTOL	ME	04539	LC2		207-523-2186	207-542-3527	hardfords@comcast.com
4063	COFFIN	SCOTT	F		PO BOX 51	NOBLEBORO	ME	04555	LC2		0 207-542-6171	207-542-3527	pooffin775@gmail.com
1462	COLLAMORE	CLINTON	E	SR	295 DEAVER RD	WALDOBORO	ME	04572	LC3		0 207-790-3114	207-790-3114	collamoreclinton@gmail.co
6811	COLLAMORE	GILBERT	W	JR	1983 WINSLOW MILL RD	WALDOBORO	ME	04572	LC1	207-213-5393		0 gbj@roadrunner.com	
5045	COLLYER	BENJAMIN			324 GROSS NECK RD	WALDOBORO	ME	04572	LC1		0 207-975-5589	207-975-5589	LOBSTERING4LIFE@GM
14840	COLLYER	MICHAEL	N		324 GROSS NECK RD	WALDOBORO	ME	04572	LC1		207-542-3667	207-542-3667	REDDNECKMIKE2@HOTM
9316	CREAMER	HARLAN	A		56 DEAVER RD	WALDOBORO	ME	04572	LC2	207-832-4779	207-631-9411	207-975-9937	DUTCHPUPPY@HOTMAI
9877	CREAMER	MILLARD	A		848 DUTCH NECK RD	WALDOBORO	ME	04572	LC2				
7955	DAVIS	DANA			209 BREMEN RD	WALDOBORO	ME	04572	LC1	2078327441			
2293	DAY	DUSTIN	W		PO BOX 1022	WALDOBORO	ME	04572	LC2		207-790-1507	207-756-2090	Dustinday1023@gmail.com
3312	ELLSWORTH	JAMES	D		PO BOX 300	ROUND POND	ME	04564	LC20				JIMLAUDSISLAND@GM/
2494	FAHEY	MICHAEL	S		PO BOX 226	NOBLEBORO	ME	04555	LC1	207-563-8430		0 fhay@midcoast.com	
4408	FRASER	CONNOR			16 NAVY ST	SEASPORT	ME	04574	LC1		2079309500	2079309500	cfrazier062497@gmail.com
4771	GENTHNER	GARY	E	JR	PO BOX 83	ROUND POND	ME	04564	LC2	207-563-1297		caitlin@tidewater.net	
8955	GENTHNER	GARY	E	SR	86 RALPH WINK RD	Walldoboro	ME	04572	LC2		207-504-1097	207-504-1097	garygenthnerj@yahoo.com
11912	GENTHNER	GARY	E		640 WALDOBORO RD	BREMEN	ME	04551	LC3	207-529-5276		niky@tidewater.net	
6395	GENTHNER	GLENN			1196 STATE RTE 32	ROUND POND	ME	04564	LC2	207-529-2217		207-350-4917	hootingtinentree@yahoo.co
4774	GENTHNER	RICKY			41 NICKLES RD	ROUND POND	ME	04564	LC2	207-529-5765			
5812	GLIDDEN	KENNETH	W	II	89 TURNER RD	BREMEN	ME	04551	LC1	207-528-7302			
7100	GLIDDEN	KENNETH	W	SR	89 TURNER RD	BREMEN	ME	04551	LC2	207-529-5308			
5225	GLIDDEN	SHIRLEY	L		89 TURNER RD	BREMEN	ME	04551	LC1	207-529-5308			
5813	GLIDDEN	TROY			130 GROSSNECK RD	WALDOBORO	ME	04572	LC2		207-975-4508		
8138	GUPTILL	FRANK		IV	89 FOREST LAKE RD	FRIENDSHIP	ME	04547	LC2		2074212783	fguptill@yahoo.com	
6240	HARVEY	JASON	N		357 GROSS NECK RD	WALDOBORO	ME	04572	LC1	2078320620	2078320620	Seaspay24@yahoo.com	
6721	HARVEY	JOSHUA	A		359 GROSS NECK RD	WALDOBORO	ME	04572	LC2		207-790-0278	207-790-0278	josuaharvey7900278@gn
9938	HARVEY	SHANNON	L		318 DUTCH NECK RD	WALDOBORO	ME	04572	LC2	207-832-6030	207-790-1706	207-832-1674	jenifer.harvey2@maine.edu
10008	HARVEY	SHELDON	R		PO BOX 1154	WALDOBORO	ME	04572	LC2	207-790-8030		207-832-1674	nachelharvey430@yahoo.co
4532	HARVEY	WAYNE	R	II	16 MEDOMAK MH PARK	WALDOBORO	ME	04572	LC2	207-832-1637	207-332-1637	207-350-6941	EAOLEMANIA69@YAH
73543	JOHNSON	DANA	E		865 GENTHNER RD	WALDOBORO	ME	04572	LC2	207-563-5023			Threegirlinc@yahoo.com
143	JOHNSON	PAUL	G		375 GENTHNER RD	WALDOBORO	ME	04572	LC1	207-832-6133			
3743	JOURDET	BURTON	M		PO BOX 623	WALDOBORO	ME	04572	LC1		207-542-2922	207-542-2922	ejourdet@gmail.com
6934	KELLEY	EUGENE	E		13 JUNIPER LN	DAMARISCOTTA	ME	04343	LC2	207-563-1793	207-537-3923	207-542-8315	ekelley1@roadrunner.com
9505	LEE	DONALD	R		2546 FRIENDSHIP RD	WALDOBORO	ME	04572	LC3				
1787-B	LEVENSALER	DANA	A		PO BOX 260	WALDOBORO	ME	04572	LC1	207-832-7206			
3153-A	LEVENSALER	RICHARD	D	III	526 UPPER E POND RD	NOBLEBORO	ME	04555	LC2	207-563-5929	207-380-5929	levensalerd@yahoo.com	
3153	LEVENSALER	RICHARD	D	JR	411 EAST POND RD	NOBLEBORO	ME	04555	LC2	207-563-5929	207-380-5923	levensalerd@yahoo.com	
4279	MCLAUGHLIN	ROBBIE	P		1259 WALDOBORO RD	BREMEN	ME	04551	LC3		2075295941	2075295941	robbiemclaughlin477@yaho
6277	MCLAUGHLIN	ROBERT	W		1265 WALDOBORO RD	BREMEN	ME	04551	LC30	2075295941	2075295941	robbiemclaughlin477@yaho	
72355	MCLAUGHLIN	SHANNON	W		1026 BISCA Y RD	BREMEN	ME	04551	LC2	207-529-3147	2073804596	2073804596	seahorse@tidewater.net
72356	MCLAUGHLIN	STEVEN	M		1020 BISCA Y RD	BREMEN	ME	04551	LC3	207-529-2280	2075474335	2075474335	diannaleemen@yahoo.com
8296	O'BRIEN	BRADY			18 Medomak Rd	BREMEN	ME	04551	LC3	207-529-2044	207-380-8899	207-380-8899	mrs9610@gmail.com
8188	O'BRIEN	TRAVIS	M		972 BISCA Y RD	BREMEN	ME	04551	LC3	207-529-4134			
8844	OSIER	DAVID	J		PO BOX 128	South Bristol	ME	04568	LC1	207-644-8300	207-580-9833	207-580-9833	OSIERSWHARF@AOL.CC
8689	OSIER	DAVID	N		291 MEDOMAK RD	BREMEN	ME	04551	LC3	2075292390	2073806744	2073806744	dosier117@gmail.com
5274	PARLIN	DERRICK	A		199 OLD RT 1	WALDOBORO	ME	04572	LC3	207-832-4746	207-975-4746	207-975-4746	DORRICKPARLIN@YAH
3884	POLAND	BOBBIE	S		143 NOBLEBORO RD	BREMEN	ME	04551	LC3	2075296373	2073806675	2073806675	rcmnmn9@msm.com
13197	POLAND	CLYDE	R		787 BISCA Y RD	BREMEN	ME	04551	LC2	207-529-2013	207-350-1889	207-350-1889	fbbackpeurt@hotmail.com
99611	POLAND	FERNALD	J		123 NOBLEBORO RD	BREMEN	ME	04551	LC3	(207) 529-4308	207-380-3170	207-380-3170	sandy.poland@gmail.com
1000	POLAND	RONALD	S		6 LEDGE DR	BREMEN	ME	04551	LCO	207-529-5326			
3891	POLAND	RONALD	T		1715 STATE ROUTE 32	ROUND POND	ME	04564	LC2	207-529-4608	207-350-7974	207-350-7974	bryant.cristal@yahoo.com
1425	PRIOR	CLEVELAND	E		PO BOX 268	BREMEN	ME	04551	LC3	207-529-4478	207-380-3338	207-380-3338	
2245	PRIOR	CRAIG	E		PO BOX 268	BREMEN	ME	04551	LC2	207-529-5887			
717	PRIOR	VERGE	S	JR	344 MEDOMAK RD	BREMEN	ME	04551	LC20	(207) 529-5448			
2676	REED	CHAD	A		2140 WASHINGTON RD	WALDOBORO	ME	04572	LC1		207-462-5924	207-462-5924	DLPRIOR@TIDEWATER.I
3993	SIMMONS	AARON	A		110 NOBLEBORO RD	BREMEN	ME	04551	LC3	207-529-5165	207-380-5827	207-380-5827	creed2140@gmail.com
99795	SIMMONS	CHARLES	A		PO BOX 261	Nobleboro	ME	04555	LC3	207-529-2960	207-380-5827	207-380-5827	Jssbeckett@aol.com
2763	SIMMONS	DONALD	W	SR	PO BOX 293	FRIENDSHIP	ME	04547	LC3		207-691-2763	207-691-2763	
7685	SIMMONS	STEVEN	M		1454 OLD RT 1	WALDOBORO	ME	04572	LC2	207-832-4117			
6536	WEEKS	JASON	T		33 Back River ln	Friendship	ME	04547	LC1	2075428075	207-542-8075	207-542-8075	Animalweeds@gmail.com
2992	WINCHENBACH	SCOT	W		104 OLD COUNTY RD	WALDOBORO	ME	04572	LC1		207-542-1638	207-542-1638	
8814	WITHAM	ADAM	M		133 GENTHNER RD	Walldoboro	ME	04572	LC1		207-505-5388	207-505-5388	AWITHAM685@GMAIL.C

6890	BENNER	DAVID	M		111 BRADFORD PT RD	FRIENDSHIP	ME	04547	LC2		207-532-4344	dbenner@roadrunner.com	
98185	BENNER	DENNY	W		3474 FRIENDSHIP RD	WALDOBORO	ME	04572	LC2		207-532-7941	0	
10824	BENNER	DESBREE			111 BRADFORD POINT RD	FRIENDSHIP	ME	04547	LC1		207-449-2892	0 dbenner@roadrunner.com	
10813	BENNER	KASEY	M		3400 FRIENDSHIP RD	WALDOBORO	ME	04572	LC1		207-532-9313	0 dbenner@roadrunner.com	
9109	BENNER	KEVIN	N		234 WALDOBORO RD	FRIENDSHIP	ME	04547	LC1		207-7908074	207-532-6601	keanybenner@gmail.com
8594	BENNER	KYLE	S		PO BOX 61	FRIENDSHIP	ME	04547	LC1		207-532-7207	207-532-1522	bm9109@gmail.com
1006	BENNER	MARCUS			28 BRADFORD POINT RD	FRIENDSHIP	ME	04547	LC2		207-908229	207-532-4400	krispheh@gmail.com
7226	BENNER	MARTIN	O		3400 FRIENDSHIP RD	WALDOBORO	ME	04547	LC2		207-908229	207-532-1167	fevalynso@gmail.com
1189	BENNER	REX			3223 COLONEL STAIRS RD	FRIENDSHIP	ME	04572	LC3		207-908274	207-532-1168	gposerverpess@roadrunner.com
4364	BENNER	RYAN	W		336 WALDOBORO RD	FRIENDSHIP	ME	04547	LC2		207-908274	207-532-7831	redbenner73@gmail.com
9593	BENNER	TOBY	S		PO BOX 61	FRIENDSHIP	ME	04547	LC3		207-532-0659	207-449-2892	tymbenner11@yahoo.com
4148	BENNER	WAYNE	N		PO BOX 52	FRIENDSHIP	ME	04547	LC20		207-832-4901	207-975-4393	TOBYBENNER24@GMAIL
8336	BLASTUS	DOUGLAS	M		PO BOX 247	FRIENDSHIP	ME	04547	LC3		207-832-4016	207-701-7079	douglasblastus.cb@gmail.c
7299	BLASTUS	RANDALL	F		207 MARTINS POINT RD	FRIENDSHIP	ME	04547	LC3		2078324328	207-532-8352	blastus7299@gmail.com
7050	BOWMAN	RACHEL			440 BACK COVE RD	WALDOBORO	ME	04572	LC2		0	207-532-5138	dec2@wcc.edu
1081	BRAMHALL	PHILIP	L		27 SIMMONS LN	FRIENDSHIP	ME	04547	LC3		207-832-4212	207-532-9341	bramhall@roadrunner.com
8368	BRAMHALL	WILLIAM	E		PO Box 754	Waldoboro	ME	04572	LC2		207-7908333	207-939-0684	tem04572@yahoo.com
6833	BRAZIER	DARRRELL	K		291 WALDOBORO RD	FRIENDSHIP	ME	04547	LC3		207-832-7826	207-832-1030	famyusie@yahoo.com
632	BURNS	CHAD	L		18 BURNS DR	FRIENDSHIP	ME	04547	LC3		0	207-390-0744	0
9609	BURNS	CHAD	R		422 REEF ROAD	WALDOBORO	ME	04572	LC2		207-832-7071	207-390-0026	CHADBURNS9026@ICLO
2134	BURNS	RICHARD	B		162 MARTIN PT RD	FRIENDSHIP	ME	04547	LC20		207-832-5310	207-975-4522	CAMPBELL_US0477@YAI
5302	CAMPBELL	DANIEL	E		3305 COLONEL STAIRS RD	FRIENDSHIP	ME	04547	LC2		2078324886	207-832-7527	cleo.carter53@yahoo.com
5387	CARTER	LANNY	R		22 MARTIN POINT RD	FRIENDSHIP	ME	04547	LC3		207-384-0604	207-975-7001	0
300	CARTER	FRESTON	S	SR	29 SALT POND ROAD	FRIENDSHIP	ME	04547	LC3		207-542-4919	207-832-1203	harvester9665@gmail.com
9665	CARTER	FRESTON	SCOTT	JR	PO BOX 231	FRIENDSHIP	ME	04547	LC1		207-832-0397	207-542-6102	normandcollamore@yahoo.c
8696	COLLAMORE	NORMAND	C		8 BOLTON LANE	FRIENDSHIP	ME	04547	LC1		2078327716	207-542-6102	0
2581	COWAN	STEVEN	B		116 WALDOBORO RD	FRIENDSHIP	ME	04547	LC2		2078329295	207-542-6102	fnoutlaw4440@gmail.com
1405-A	DAVIS	BLAINE	W		331 CUSHING RD	FRIENDSHIP	ME	04547	LC0		2078329312	2074466053	DD1405@nwc.com
9768	DAVIS	BRADFORD	J		PO BOX 151	FRIENDSHIP	ME	04547	LC2		2078329312	2078324372	0
1405	DAVIS	DANIEL			100 FOREST LAKE RD	FRIENDSHIP	ME	04547	LC3		2078329312	2078324372	0
5445	DELANO	BRIAN	C		2751 FRIENDSHIP RD	WALDOBORO	ME	04572	LC1		207-542-3779	207-542-7241	ARCAMUSE37@GMAIL.C
4295	DELANO	CEDRIC	P		PO BOX 242	Friendship	ME	04547	LC3		207-542-3779	207-542-7241	FVDMANUEL@GMAIL.I
6773	DELANO	DUSTIN	W		PO BOX 210	WALDOBORO	ME	04572	LC0		207-832-4372	207-542-7241	stelanoo2@roadrunner.com
2236	DELANO	GARY	A		2751 FRIENDSHIP RD	WALDOBORO	ME	04572	LC0		207-832-4372	207-691-6636	NORTHERNPRIDES91@GA
8410	DELANO	KENDALL	N	JR	5 HARBOR RD	FRIENDSHIP	ME	04547	LC3		207-594-0601	207-491-0883	0
712	DELANO	LARRY	G		148 BROADWAY	ROCKLAND	ME	04841	LC1		207-594-0601	207-975-9663	Pvcrystalhouse@gmail.com
6321	DELANO	MATTHEW	W		475 REEF RD	WALDOBORO	ME	04572	LC2		207-832-4987	207-542-6922	JKTNJ@AOL.COM
11314	DELANO	WAYNE	C		PO BOX 131	FRIENDSHIP	ME	04547	LC3		207-594-0601	207-975-1431	0
10191	EMERSON	JACOB	W		14 MATTSO LN	FRIENDSHIP	ME	04547	LC3		207-594-0601	207-975-7450	tylesmemon073197@gmail
15612	EMERSON	TYLER	A		14 MATTSO LANE	FRIENDSHIP	ME	04547	LC1		207-354-0630	207-542-2428	Diamocdnz@yahoo.com
12847	FAULKINGHAM	JOSHUA	G		20 HARBOR RD	FRIENDSHIP	ME	04547	LC2		207-691-3840	207-975-9250	gabagan526@roadrunner.co
4550	FETTEROLI	R MICHAEL			PO BOX 58	CUSHING	ME	04563	LC3		207-532-5520	207-532-5480	hpsobos3@gmail.com
1041	GAHAGAN	JOSHUA	R		19 SIMMONS LN	FRIENDSHIP	ME	04547	LC2		207-832-4520	207-532-5480	marygentner@hotmail.com
18755	GENTNER	KYLE	M	JR	97 FOREST LAKE RD	FRIENDSHIP	ME	04547	LC2		207-832-4874	207-475-1067	watkinsgentner@gmail.com
6374	GENTNER	LEROY	W		97 FOREST LAKE RD	FRIENDSHIP	ME	04547	LC2		207-832-4874	207-975-4407	philgentner@aol.com
71651	GENTNER	PHILIP	F		51 FOREST LAKE RD	FRIENDSHIP	ME	04547	LC3		207-344-6931	207-390-0758	joannegentner@gmail.com
5233	GENTNER	PHILIP	R		508 CUSHING RD	FRIENDSHIP	ME	04547	LC1		207-344-6931	207-208-7037	RODNEYGENTNER4222
8222	GENTNER	RODNEY	R		506 CUSHING RD	FRIENDSHIP	ME	04547	LC1		207-975-2839	207-975-2444	Mphoot89@gmail.com
6026	GENTNER	RODNEY	R	II	506 CUSHING RD	FRIENDSHIP	ME	04547	LC2		2078326831	207-975-2907	gabrieleilchrist@yahoo.com
9077	GENTNER	STEVEN	E		39 FOREST LAKE RD	FRIENDSHIP	ME	04547	LC2		207-832-4177	207-542-0699	Teharrington1122@gmail.co
8408	GILCHRIST	GABRIEL			20 WADSWORTH PT RD	FRIENDSHIP	ME	04547	LC3		207-832-4090	207-542-1466	havenerandrew@yahoo.com
7324	HARRINGTON	EUGENE	M		271 WALDOBORO RD	FRIENDSHIP	ME	04547	LC1		207-832-4177	207-542-0699	0
1577	HARRINGTON	LYNDON	R		176 MARTIN PT RD	FRIENDSHIP	ME	04547	LC2		207-790-2227	207-542-0699	0
6414-A	HARRINGTON	RUSSELL	N		100 CUSHING RD	FRIENDSHIP	ME	04547	LC20		207-832-4090	207-542-1466	0
1122	HARRINGTON	TRAVIS	E		PO BOX 147	FRIENDSHIP	ME	04547	LC3		207-832-4024	207-832-4003	0
4585	HAVENER	ANDREW	L		PO BOX 390	FRIENDSHIP	ME	04547	LC3		207-832-4330	207342739	0
2707	HAVENER	GREGORY	D		PO BOX 176	FRIENDSHIP	ME	04547	LC1		207-592-7342	207-592-7342	edberh@msn.com
99997	HAVENER	MARK	L		115 WALDOBORO RD	FRIENDSHIP	ME	04547	LC2		207-592-7342	207-975-0547	mjanemc324482@gmail.co
6266	HAVENER	WAYNE	S		135 MARTIN POINT RD	FRIENDSHIP	ME	04547	LC20		207-592-7342	207-975-0547	MJAMESON32448@ROAI
8019	HUPPER	ELVIN	D		22 SALT POND RD	FRIENDSHIP	ME	04547	LC1		207-691-6839	207-542-3324	alexandra.watkinson@gmail
9883	JAMESON	MICHAEL	A		788 CUSHING RD	FRIENDSHIP	ME	04547	LC2		207-542-3324	207-567-7500	ilash127@yahoo.com
2388	JAMESON	OWEN	M		788 CUSHING RD	FRIENDSHIP	ME	04547	LCU		207-567-7500	207-975-2078	larrymorris96@gmail.com
6307	KNIGHT	CHRISTOPHERC	SR		65 MAKERS COVE RD	OWLS HEAD	ME	04854	LC2		207-542-3324	207-975-1190	0
939-A	LAINÉ	GERALD	L		170 WALDOBORO RD	FRIENDSHIP	ME	04547	LC20		207-832-7951	207-592-7951	sarah.lash@gandon.edu
127	LASH	ISAAC	J		PO BOX 3	FRIENDSHIP	ME	04547	LC3		207-832-5125	207-542-0666	estilee6997@gmail.com
2231	LASH	SAMUEL	R		4 ROBERTS LN	FRIENDSHIP	ME	04547	LC3		2073900394	207-542-0666	0
4899	LASH	SEAN	C		178 CUSHING ROAD	FRIENDSHIP	ME	04547	LC1		207-832-7515	207-542-0999	barbogri@yahoo.com
1277	LASH	STEPHEN	P		261 BRADFORD POINT RD	FRIENDSHIP	ME	04547	LC2		2078327515	207-542-6889	JOSH_LEE52@YAHOO.CC
6997	LEE	JACOB	A		PO BOX 187	FRIENDSHIP	ME	04547	LC3		2079751469	207-475-5924	estilee6997@gmail.com
8877	LEE	JASON	A		PO BOX 354	FRIENDSHIP	ME	04547	LC2		2078327515	207-542-6889	0
3730	LEE	JOSHUA	I		457 WALDOBORO RD	FRIENDSHIP	ME	04547	LC1		2079751469	207-475-5924	amanaluzizama@gmail.com
2587	LEE	RANDALL	C	II	392 WALDOBORO RD	FRIENDSHIP	ME	04547	LC3		2078327515	207-542-6889	Amberandier2girls@gmail.c
8964	MILLAY	EVAN	J		442 Waldoboro Rd	Friendship	ME	04547	LC1		2078327515	207-542-6889	0
4986	MOONEY	WILLIAM	A	JR	74 ROCKY HILL ROAD	Warren	ME	04864	LC1		2079751469	207-475-5924	barbogri@yahoo.com
3388	MOONEY	WILLIAM	A	SR	109 WALDOBORO RD	FRIENDSHIP	ME	04547	LC1		207-975-1218	207-651-1888	barbogri@yahoo.com
4116	MURPHY	JONATHAN	L		PO BOX 382	FRIENDSHIP	ME	04547	LC2		207-832-5121	207-651-1888	barbogri@yahoo.com
98194	MURPHY	JONATHAN	P		PO BOX 136	FRIENDSHIP	ME	04547	LC3		207-832-5121	207-380-0146	barbogri@yahoo.com
5252	MURPHY	KARL	S		PO BOX 126	FRIENDSHIP	ME	04547	LC3		207-832-5121	207-380-0146	barbogri@yahoo.com
9219	MURPHY	PETER	D		25 DELANO COVE RD	FRIENDSHIP	ME	04547	LC3		207-832-5121	207-380-0146	barbogri@yahoo.com
8883	NEUBIG	DAVID	J		PO BOX 83	FRIENDSHIP	ME	04547	LC3		207-832-6649	207-631-0754	ianamelenasneubig@gmail
70441	NYSTROM	LARRY	J		PO BOX 283	FRIENDSHIP	ME	04547	LC2		2078324453	207-975-2848	0
4109	OLSEN	BRENT	L		99 WALDOBORO RD	FRIENDSHIP	ME	04547	LC3		207-542-2505	207-542-2505	schaleymae07xc@yahoo.co
9166	OLSEN	RYAN	W		26 SIMMONS LN	FRIENDSHIP	ME	04547	LC2		207-542-4018	207-542-4018	HAEGGAC@YAHOO.CO
98228	PITCHER	KARL	W		7 HARBOR RD	FRIENDSHIP	ME	04547	LC2		207-832-4973	207-975-2192	0
9142	POWELL	GREGORY	A		408 WALDOBORO RD	FRIENDSHIP	ME	04547	LC1		207-691-3583	207-691-3583	hisepowell@roadrunner.com
4587	POWELL	JOSEPH	C		402 WALDOBORO RD	FRIENDSHIP	ME	04547	LC2		207-832-4973	207-798-0814	0
637	POWELL	RICKY	L										

3369	RICHARDS	JAMES	L	161 BRADFORD PT RD	FRIENDSHIP	ME	04547	LC2	207-532-6519	207-532-1002	mytwoons3369@gmail.com
3381	RICHARDS	JAMES	M	3261 COLONEL STAIRS RD	FRIENDSHIP	ME	04547	LC1	0 (207-542-7630)	207-542-7630	jinnyrichards1992@yahoo.
8540	ROURKE	WILLIAM		153 MARTIN PT	FRIENDSHIP	ME	04547	LC2	2078324764	207-542-1069	
5936	RUYBAL	DEREK	W	PO BOX 223	FRIENDSHIP	ME	04547	LC3		207-691-0916	
10502	SABIEN	CHRISTOPHERA		48 HARBOR RD	Friendship	ME	04547	LC1		0 207-542-2977	
4041	SANDBLOM	DAVID	ALLAN	PO BOX 34	FRIENDSHIP	ME	04547	LC1	207-832-4347	207-542-3347	sandblomdavid1@gmail.co
12837	SANDBLOM	RICHARD		PO BOX 181	FRIENDSHIP	ME	04547	LC1	207-832-5515		njsa1957@gmail.com
70596	SIMMONS	ADAM	B	PO BOX 353	FRIENDSHIP	ME	04547	LC3	207-534-9545	207-975-0400	FVJILLMARIE@YAHOO.C
12644	SIMMONS	ANDREW	A	81 MEDUNCOOK DR	FRIENDSHIP	ME	04547	LC3		207-550-9051	BUMKNEBO9@YAHOO.C
2157	SIMMONS	BRADLEY	L	PO BOX 43	FRIENDSHIP	ME	04547	LC2	207-832-4293		
12763	SIMMONS	DONALD	W	PO BOX 144	FRIENDSHIP	ME	04547	LC3	2078325622	2075423613	Ajbrown1981@yahoo.com
71037	SIMMONS	DOUGLAS	P	8 SCHOOL ST	FRIENDSHIP	ME	04547	LC2	207-832-4086		srs4@yahoo.com
35841	SIMMONS	GILBERT	A	11 BAYBERRY DR	FRIENDSHIP	ME	04547	LC2	207-832-5030		gibbertsimmons@gmail.com
9519	SIMMONS	GREGORY	A	32 MATTSON LN	FRIENDSHIP	ME	04547	LC3	2073540901	2075226876	tdlipse22@gmail.com
9002	SIMMONS	GREGORY	W	181 WALDOBORO RD	Friendship	ME	04547	LC3	2078326621	2079755323	lissimmous4710@yahoo.com
2127	SIMMONS	HERBERT	R	PO BOX 203	FRIENDSHIP	ME	04547	LC1	207-832-7597		
9508	SIMMONS	JASON	A	65 MARTIN PT RD	FRIENDSHIP	ME	04547	LC3	2078324154		chill74@roadrunner.com
8793	SIMMONS	JASON	G	9 BAYBERRY DR	FRIENDSHIP	ME	04547	LC3	207-832-2120	207-988-5092	Timberp@gmail.com
6399	SIMMONS	KEITH	A	24 BAYVIEW LN	FRIENDSHIP	ME	04547	LC3	207-832-7592	207-691-4151	khissimmons@hotmail.com
4663	SIMMONS	ROBERT	M	32 TIMBER POINT RD	FRIENDSHIP	ME	04547	LC2	2078326601		0 midwint8008@yahoo.com
6975	SIMMONS	ROBERT	M	32 TIMBER POINT RD	FRIENDSHIP	ME	04547	LC2	207-832-6001		0 Simmons9950@roadrunner.
5106	SIMMONS	RONALD	S	39 SIMMONS LN	FRIENDSHIP	ME	04547	LC3	207-832-6322	207-542-0736	rondog5106@gmail.com
9195	SIMMONS	RYAN	A	65 MARTIN PT RD	FRIENDSHIP	ME	04547	LC2	2078324154	207-542-7777	rysimons998@gmail.com
7843	SIMMONS	SETH	E	PO Box 285	Friendship	ME	04547	LC1		2079751238	Lyzandev@gmail.com
11737	SIMMONS	VIRGIL	L	783 CUSHING RD	FRIENDSHIP	ME	04547	LC2	207-354-2103		
8756	STACKPOLE	JARED		391 PLEASANT PT RD	CUSHING	ME	04563	LC3		207-542-1316	
9045	THIBODEAU	ADAM	C	PO BOX 32	FRIENDSHIP	ME	04547	LC2	207-832-7980	207-832-1970	admxfamily@hotmail.com
70657	THIBODEAU	NATHAN	T	PO BOX 263	FRIENDSHIP	ME	04547	LC3	207-790-2823	207-701-9194	BAYLADY68@YAHOO.C
5576	THIBODEAU	THERON		131 MARTIN POINT RD	FRIENDSHIP	ME	04547	LC20	2078324573	2076913528	IRENE_THIB@YAHOO.C
8679	THIBODEAU	THERON	R	PO BOX 1366	WALDOBORO	ME	04572	LC1	2079751345	2079751345	Rudy2eutes@gmail.com
3468	THOMPSON	ARTHUR	E	41 LOG CABIN DR	FRIENDSHIP	ME	04547	LC2	207-832-6967	207-557-1456	coosadbuilders1@hotmail.c
8344	THOMPSON	HENRY	D	7 WALDOBOR RD	FRIENDSHIP	ME	04547	LC2		207-542-2093	
7790	THOMPSON	STEVEN	D	PO BOX 234	FRIENDSHIP	ME	04547	LC3	207-832-3340		fishmenssavantage@yahoo.
676	THOMPSON	TIMOTHY	T	PO BOX 6	FRIENDSHIP	ME	04547	LC3	207-832-6154	207-592-5128	
6219	WALLACE	COREY	E	2245 FRIENDSHIP RD	WALDOBORO	ME	04572	LC3	0 207-832-1585		wallace6219@icloud.com
1451	WALLACE	DANA	R	60 MARTINS PT RD	FRIENDSHIP	ME	04547	LC2	2078324547		lobster@localnet.com
4389	WALLACE	ERNEST	J	483 MARTINS PT RD	FRIENDSHIP	ME	04547	LC3	207-832-5391	207-542-3182	
4272	WALLACE	HARLAN	L	2 HARLEY DR	FRIENDSHIP	ME	04547	LC2	207-832-4008	207-542-5033	
4219	WALLACE	KELLY	K	647 CUSHING RD	FRIENDSHIP	ME	04547	LC2	207-534-8921	207-542-4714	WALLACEKELLY621@G
6319	WALLACE	MARK	G	323 WASHINGTON RD	Waldboro	ME	04572	LC1	0 207-380-7922		lobster045@gmail.com
5511	WALLS	RAYMOND	L	64 WALDOBORO RD	FRIENDSHIP	ME	04547	LC2	2078322272	207-975-4827	
8170	WEEKS	RONALD	C	487 CUSHING RD	FRIENDSHIP	ME	04547	LC3		2075421229	heflissimmons@yahoo.com
4376	WINCHENBACH	ALAN	R	478 DEAVER RD	WALDOBORO	ME	04572	LC2	207-832-5190	207-542-1677	LANNYWINK@YAHOO.C
6320	WOTTON	BLAKE	M	35 TIMBER POINT RD	FRIENDSHIP	ME	04547	LC2	207-832-7049	207-596-2668	
1007	WOTTON	CRAIG	W	709 CUSHING RD	FRIENDSHIP	ME	04547	LC20	2078324579	2074637365	bwotton@roadrunner.com
3744	WOTTON	JAMES		29 BIRCH RD	FRIENDSHIP	ME	04547	LC3		207-592-5817	Cranberryislandlobster@yh
1040	WOTTON	LANCE		11 BIRCH DR	FRIENDSHIP	ME	04547	LC20		207-542-2337	
8815	AIKEN	PETER T R		217 RIVER RD	CUSHING	ME	04563	LC3		207-542-3731	ROYAL753@GMAIL.COM
4195	AREY	LEE	S	6 KIRBY LN	CUSHING	ME	04563	LC2		207-592-4125	
2352	BEAL	MICHAEL	P	18 PLEASANT PT RD	Cushing	ME	04563	LC1	2075965611		michaelbeal1972@icloud.c
9150	BURNS	FORREST	M	578 NORTH NOBLEBORO RD	Waldboro	ME	04572	LC1	207-701-7507		LOBSTERMAN22@AOL.C
9011	COCKS	LUCAS	J	PO BOX 73	CUSHING	ME	04563	LC2	207-354-8149	207-691-5374	ccsawyer22@yahoo.com
4460	CRUTE	KARL	S	828 CUSHING ROAD	CUSHING	ME	04563	LC3		207-691-9202	ksejr@rocketmail.com
3772	CURTIS	THOMAS	James	PO BOX 28	SOUTH THOMASTON	ME	04858	LC1		2076914702	curtisperformancetraining@i
73050	DAVENPORT	JAMES	B	41 SALT WATER FARM LN	CUSHING	ME	04563	LC2	207-354-5167		LOBSTAWIFE@GMAIL.C
5034	DAVENPORT	JAMES	W	8 BALSAM LANE	CUSHING	ME	04563	LC3	207-354-5263	207-790-1051	JIMDAV996@GMAIL.CO
6564	DOUGHTY	TRAVIS	M	18 pleasant point rd	CUSHING	ME	04563	LC3	207-701-1865	207-691-2019	Cocoonface@aol.com
7470	FALES	JAMES	H	92 Pine Ridge Rd	CUSHING	ME	04563	LC2	207-354-5014	2076914002	Jimney@roadrunner.com
2415	FELLOWS	BRIAN	T	41 TWIN RIDGE LN	CUSHING	ME	04563	LC3	207-354-0372	207-542-1252	b2415.bt@gmail.com
6621-A	FELLOWS	THOMAS	A	62 KILLERAN LN	CUSHING	ME	04563	LC1	207-354-6240	207-975-1922	SALTYDOGTA48@GMA
8366	GRANT	MATTHEW	J	18 CROSS RD	CUSHING	ME	04563	LC1	207-354-9765	207-691-9737	
71023	HALL	RONALD	B	49 CUSHING RD	CUSHING	ME	04563	LC3	20783240339	2075423038	
3321	HALL	RONALD	B	49 CUSHING RD	CUSHING	ME	04563	LC3	207-354-0339	207-975-9537	RJAYHALLX@GMAIL.CC
4806	HENDRICKS	DANIEL	O	305 ST GEORGE RD	South Thomaston	ME	04858	LC1		207-542-0413	dhendricks20@gmail.com
6211	JONES	GARY	A	777 RIVER RD	CUSHING	ME	04563	LC2	2073548253	2076915777	fantaseas@roadrunner.com
10637	JONES	LOGAN	R	777 RIVER RD	CUSHING	ME	04563	LC3	2073548253	2079755239	fantaseas@roadrunner.com
2358	LAAKA	THOMAS	P	26 COTTAGE RD	CUSHING	ME	04563	LC2		207-701-8303	
7584	LANE	ALAN	W	PO BOX 64	CUSHING	ME	04563	LC2	207-354-0215	207-358-0215	lanelst@msn.com
4602	LIBBY	WILLIAM	G	57 KILLERAN LN	CUSHING	ME	04563	LC2	2073546896		ejlibby225@gmail.com
95	MALONEY	DYLAN	W	663 RIVER RD	CUSHING	ME	04563	LC2		207-790-3376	DMALONEY2012@GMAIL
366	MALONEY	RANDALL	S	27 MALONEY LN	CUSHING	ME	04563	LC3	207-691-8505	207-691-8505	Bmaloney2987@yahoo.com
985	MALONEY	ROBERT	E	34 SHEEPS POINT LANE	CUSHING	ME	04563	LC3	207-354-9720	207-542-5574	
583	MALONEY	ROBERT	E	106 STONES POINT RD	CUSHING	ME	04563	LC3	0 207-542-9630		renjr583@gmail.com
5916	MALONEY	RYAN	D	30 salt pond road	Friendship	ME	04547	LC2	207-354-5004	2075427785	ravidog997@gmail.com
5554	MARTIN	NICHOLAS	G	PO BOX 16	CUSHING	ME	04563	LC2		207-485-9272	
98428	MARTIN	RANDY		PO BOX 68	CUSHING	ME	04563	LC1	207-354-8847		
4922	MATUS	ROBERT		61 HERON COVE LN	CUSHING	ME	04563	LC1		2079755290	btilemat@aol.com
8158	MCMAHON	JOHN	J	15 SPRUCE LN	CUSHING	ME	04563	LC2		207-975-5664	
8036	MYRICK	MICHAEL	W	PO BOX 36	CUSHING	ME	04563	LC2	207-354-6077	207-596-1247	mikemyrick@roadrunner.c
7763	NORWOOD	ALAN	B	PO BOX 443	Tenants Harbor	ME	04860	LC1	0 207-975-3829		
70434	OLSON	JOHN	W	PO BOX 26	CUSHING	ME	04563	LC3	207-354-0321	207-691-8806	SABOO166@AOL.COM
7183	OLSON	JOHN	W	427 HATHORNE PT RD	CUSHING	ME	04563	LC20	207-354-6617		0
5343	OLSON	NICHOLAS		410 HAWTHORNE PT RD	CUSHING	ME	04563	LC3	0 207-542-6263		nick@207lobster.com
6945	OLSON	RICHARD	J	PO BOX 44	CUSHING	ME	04563	LC20	2073542412	2074464900	mjrnb@att.net
5344	OLSON	SAMUEL	H	313 HATHORNS PT	CUSHING	ME	04563	LC1	2073546840	2075921096	hslptman@yahoo.com
1155	PEASE	CAMERON		509 RIVER RD	CUSHING	ME	04563	LC2		207-790-3686	
4544	PEASE	CHRISTOPHER	J	342 PLEASANT PT RD	CUSHING	ME	04563	LC3		207-542-1488	
7323	PEASE	SHANNON	R	790 RIVER RD	CUSHING	ME	04563	LC0	207-354-6775		
70216-A	POLAND	ALAN	O	PO BOX 22	CUSHING	ME	04563	LC3	207-354-6162	207-701-8030	nicoben22@yahoo.com
9536	POLAND	CODY	A	PO BOX 22	Cushing	ME	04563	LC1	2073546162	2077018038	
1063	POLAND	DAYTON		PO BOX 40	CUSHING	ME	04563	LC1		207-790-3915	DPOLAND15@GMAIL.CO
70208	POLAND	JEFFREY	S	PO BOX 67	CUSHING	ME	04563	LC3		207-542-2722	
7238	POLAND	JEFFREY	S	PO BOX 78	CUSHING	ME	04563	LC2	0 207-342-5680		
9644	POLAND	NICOLE		PO BOX 22	CUSHING	ME	04563	LC1	207-354-6162	207-838-5872	NICOLEMPOLAND@GM/
2519	POLAND	ORMAN	A	309 PLEASANT POINT RD	CUSHING	ME	04563	LC20	207-354-6736		

73300	PRIOR	GREGORY	S		PO BOX 224	THOMASTON	ME	04861	LC1	0	207-330-3176	GSPRIOR207@GMAIL.CO
6143	RASMUSSEN	PETER	C		PO BOX 91	CUSHING	ME	04563	LC3		207-334-8531	207-369739
12193	ROBINSON	PERCY	C		14 GEORGES ST	THOMASTON	ME	04861	LC20		207-334-8117	percale6770@yahoo.com
6701-R	ROBINSON	TRAVIS	S		23 ROBINSON LN	CUSHING	ME	04563	LC2		207-334-3306	207-621-8114
171068	ROBINSON	ZACKARY	W		251 RIVER RD	CUSHING	ME	04563	LC2		207-334-0615	207-542-5110
9332	RODIN	TYLER	R		942 RIVER RD	CUSHING	ME	04563	LC3			207-621-3638
72179	SIMMONS	JEREMY	D		51 SIMMONS LN	FRIENDSHIP	ME	04547	LC3		207-497-7201	207-675-2021
7745	SMITH	BRANDI	L		313 RIVER RD	CUSHING	ME	04563	LC1		207-334-6282	207-615-1987
170712	SMITH	IAN			27 SPRUCE LANE	CUSHING	ME	04563	LC2		207-3301973	207-540140
71483	SMITH	PAUL	A		313 RIVER RD	CUSHING	ME	04563	LC3		207-334-6282	207-621-6620
6036	SPEAR	DAREN	J		47 KENNETH LN	CUSHING	ME	04563	LC3		207-334-0638	207-5429703
5996	SPEAR	KENNETH	N	SR	36 MCCARTER POINT RD	CUSHING	ME	04563	LC20		207-334-2272	207-5429703
6019	SPEAR	THOMAS	W		55 KENNETH LN	CUSHING	ME	04563	LC3			207-542-7221
9863	STACKPOLE	BENJAMIN	B		848 PLEASANT PT RD	CUSHING	ME	04563	LC1		207-334-2011	207-526-2484
4673	STAPLES	DANIEL	H		PO BOX 37	CUSHING	ME	04563	LC2		207-334-6931	207-641-8000
1899	TAYLOR	DAVID	A		909 RIVER RD	CUSHING	ME	04563	LC3		207-334-2703	207-593-2216
9663	WEAVER	WYATT	T		14 NORTH ST	THOMASTON	ME	04861	LC2			207-621-2173
5345	WILSON	PAUL	G		12 SUMMER RD	CUSHING	ME	04563	LC3			207-621-6153
4033	WINCHENBACH	TIMOTHY			2626 WINSLOWS MILLS RD	WALDOBORO	ME	04572	LC2		207-542-7558	
1349	YEATON	BRADLEY	D		PO BOX 19	CUSHING	ME	04563	LC1		207-334-6318	207-625-6118
3298	YEATON	BRANDON	S		PO BOX 15	CUSHING	ME	04563	LC2		207-334-6318	207-621-5740
2830	YOUNG	ALEC			40 FLINTWOOD LN	CUSHING	ME	04563	LC1		207-334-6318	207-625-6118
5313	YOUNG	DONALD	B		40 FLINTWOOD LN	CUSHING	ME	04563	LC3			207-596-3094
99993	AMES	JOHN	C	JR	570 PORT CLYDE RD	Tenants Harbor	ME	04860	LC2		207-334-6404	207-336-3084
1267	ANDERSON	CHRISTOPHER	D		PO BOX 62	PORT CLYDE	ME	04855	LC2		207-372-0666	207-593-2572
8828-A	ATWOOD	WILLIAM	M		PO BOX 171	PORT CLYDE	ME	04855	LC3		207-372-1041	207-625-2959
7810	BENNER	ANDREW	D		985 RIVER RD	Tenants Harbor	ME	04860	LC3			207-372-0571
396	BLY	IVAN			259 RIDGE RD	Tenants Harbor	ME	04860	LC1		207-372-8311	0 CANDYB112@GMAIL.CO
1712	CHADWICK	CHRISTOPHER	W		PO BOX 32	PORT CLYDE	ME	04855	LC3		207-372-9680	
8711	CHRISTENSEN	CHARLES	W		PO BOX 1	PORT CLYDE	ME	04855	LC1			207-625-0551
8237	CLOUGH	KYLE	D		PO BOX 132	PORT CLYDE	ME	04855	LC2		207-342-7261	207-625-3117
22	COLE	VICTOR	B		PO BOX 277	Tenants Harbor	ME	04860	LC3		207-621-1457	chipchristensen@outlook.co
8533	CRANE	JOHN	J		PO BOX 271	PORT CLYDE	ME	04855	LC3		207-621-1457	Newenglan04237@aol.com
3058	CULVER	ERICH	S		PO BOX 36	PORT CLYDE	ME	04855	LC1		207-621-1816	msack123@roadrunner.com
8633	CURTIS	CHRISTOPHER	J		PO BOX 373	PORT CLYDE	ME	04855	LC3		207-621-3153	JCRANES8533@GMAIL.CO
4681	CUSHMAN	DENNIS	W		PO BOX 217	PORT CLYDE	ME	04855	LC1		207-372-6557	207-625-7556
6615	CUSHMAN	DILLAN	S		PO BOX 217	PORT CLYDE	ME	04855	LC3		207-372-0549	207-542-1765
5230	CUSHMAN	GERALD	R		PO BOX 246	PORT CLYDE	ME	04855	LC2			0
8475	CUSHMAN	MICHAEL	R		20 SHERMAN RD	Tenants Harbor	ME	04860	LC3		207-372-6292	207-542-9242
3531	DAVIS	GARY	L		PO BOX 201	PORT CLYDE	ME	04855	LC30		207-372-8029	207-542-9242
6065	ELLIOTT	SHAWN	M		1116 ST RT 32	ROUND POND	ME	04564	LC2		207-372-8392	207-372-8392
136	FERNANDS	FRANCIS	D		11 RIDGE RD	Tenants Harbor	ME	04860	LC2		207-372-7882	207-330-6771
1800	FISCHER	JULIAN	D		PO BOX 38	PORT CLYDE	ME	04855	LC0		207-372-8480	207-372-8480
1282	HALL	JOHN			PO BOX 263	PORT CLYDE	ME	04855	LC3		207-372-8480	207-372-8480
9385	HOOVER	ANTHONY	L		225 TURKEY COVE RD	Tenants Harbor	ME	04860	LC1		207-372-6727	207-372-6727
2734	HUPPER	CRAIG	C		65 HUPPER LN	Tenants Harbor	ME	04860	LC2		207-372-8402	207-542-2283
57	HUPPER	DAVID	A		20 HUPPER LN	Tenants Harbor	ME	04860	LC2		207-372-8402	207-542-2283
550	HUPPER	JOSHUA	B		PO BOX 312	Tenants Harbor	ME	04860	LC3		207-372-6534	207-542-0617
2529	HUPPER	KARL	D		447 PORT CLYDE RD	Tenants Harbor	ME	04860	LC2		207-372-6539	207-542-7203
10056	HUPPER	MARSHALL	E		170 GLENMERE RD	Tenants Harbor	ME	04860	LC1			207-701-8433
4031	HUPPER	WHITNEY	L		170 GLENMERE RD	Tenants Harbor	ME	04860	LC2			207-621-1682
5804	KEIZER	JAMIE	V		PO BOX 363	Tenants Harbor	ME	04860	LC2		207-372-1010	207-380-1668
692	KINGSBURY	DANIEL	P		PO BOX 384	PORT CLYDE	ME	04855	LC3		207-372-0601	207-621-9139
1301	LIBBY	GARY	S		PO BOX 91	PORT CLYDE	ME	04855	LC2			207-342-9302
72882	LORD	FREDERICK	H		PO BOX 123	PORT CLYDE	ME	04855	LC0		207-372-6675	207-428035
6838	LUNT	MICHAEL	J		87 TIMBER POINT RD	FRIENDSHIP	ME	04547	LC1		207-372-2017	207-790-0439
9390	MCLAUGHLIN	ALFRED	T		PO BOX 252	PORT CLYDE	ME	04855	LC2		207-372-8927	207-691-6888
8376	MONAGHAN	KEITH	E		PO BOX 85	PORT CLYDE	ME	04855	LC20		207-372-5529	207-593-2631
6537	MORRIS	DANIEL	B		PO BOX 197	PORT CLYDE	ME	04855	LC3		207-372-6663	207-975-4404
6348	MORRIS	GREGORY	F	JR	84 GLENMERE RD	Port Clyde	ME	04860	LC3			207-621-1682
108	MORRIS	JAMES	B		PO BOX 11	PORT CLYDE	ME	04855	LC3		207-621-1682	207-621-1682
453	MURDOCK	DANIEL	J		PO BOX 283	PORT CLYDE	ME	04855	LC3		207-621-1682	207-621-1682
9219	MURRAY	GREGORY	Z		P.O. Box 154	Port Clyde	ME	04855	LC1		207-372-4029	207-701-7214
8664	PEASE	WINSTON	R	JR	PO BOX 2	PORT CLYDE	ME	04855	LC0		207-5963368	207-5963368
3860	POLKY	JACOB	M		360 TURKEY COVE RD	Tenants Harbor	ME	04860	LC1		207-372-8817	207-372-8817
8619	RACKLIFF	CRAIG	S		PO BOX 309	SPRUCE HEAD	ME	04859	LC1		207-372-8817	207-621-8394
2441	SCHWAB	DONALD	C		PO BOX 253	PORT CLYDE	ME	04855	LC3		207-372-8817	207-621-3070
14741	SCHWAB	IRVING	B		PO BOX 195	PORT CLYDE	ME	04855	LC2		207-372-8817	207-542-2949
73482	SCOTT	BRIAN	J		76 RIDGE RD	Tenants Harbor	ME	04860	LC2			207-973-2486
1936	SCOTT	ROBERT	P		76 RIDGE ROAD	Tenants Harbor	ME	04860	LC2			207-621-0683
1785	SCOTT	STEPHEN	C		585 PORT CLYDE ROAD, APT 5	Tenants Harbor	ME	04860	LC2			207-621-0683
929	SIMMONS	RONALD	A		PO BOX 41	Tenants Harbor	ME	04860	LC30			207-621-0683
7671	SIMMONS	TRAVIS	W		PO BOX 364	PORT CLYDE	ME	04855	LC3		207-372-6314	207-446-2679
8426	TAYLOR	JAMES	R		5 FERRY ST	PORT CLYDE	ME	04855	LC3		207-372-7023	207-542-2067
644	THOMAS	SHAWN	R		PO BOX 194	THOMASTON	ME	04861	LC2		207-334-0408	
6406	THOMPSON	JUSTIN	D		PO BOX 179	PORT CLYDE	ME	04855	LC3		207-372-6478	207-542-2085
73575	THOMPSON	PRESTON	L		PO BOX 144	PORT CLYDE	ME	04855	LC3			207-542-2177
8944	THOMPSON	VERNON	L		PO BOX 176	PORT CLYDE	ME	04855	LC3		207-372-8975	
2061	THORBURNSON	EDWARD	E		42 ADRIE LN	Tenants Harbor	ME	04860	LC20		207-372-8931	207-621-0683
8342	WARDWELL	WALLACE	E	JR	PO BOX 147	Tenants Harbor	ME	04860	LC1		207-372-6910	207-621-2182
4085	WILSON	JOSLAH	R		PO BOX 177	PENOBSCOT	ME	04476	LC2		207-372-4199	
9899	YORK	BRIAN	K		PO BOX 127	PORT CLYDE	ME	04855	LC2			207-711-1466
98799	YORK	JEFFREY	A		PO BOX 63	PORT CLYDE	ME	04855	LC2		207-372-8484	207-973-0661
1033	YORK	KEITH	N		PO BOX 63	PORT CLYDE	ME	04855	LC1		207-372-8484	207-621-1763
7022	AMES	MICHAEL	H		4 HILTON RD	Tenants Harbor	ME	04860	LC3			0
7986	ANDERSON	BRADLEY	T		85 LEVENSLELLER RD	Searsport	ME	04973	LC1		207-763-3614	207-973-7746
8176	ARMSTRONG	JOHN	R		PO BOX 127	Tenants Harbor	ME	04860	LC2		207-372-8192	207-621-3363
1677	ARMSTRONG	ROBERT	H	JR	PO BOX 72	Tenants Harbor	ME	04860	LC1		207-372-6388	207-390-1945
3576	ARSENAULT	DANIEL	C		19 THIRD ST	SPRUCE HEAD	ME	04859	LC1			207-422-2623
2683	AUSPLUND	MARK	F		346 WALLSTON RD	Tenants Harbor	ME	04860	LC2		207-372-8805	207-542-2623
5035	AUSPLUND	MICHAEL	F		340 Wallston Rd	Tenants Harbor	ME	04860	LC1			207-621-4944
6445	BAUM	LARRY	E		33 BAUM RD	Tenants Harbor	ME	04860	LC3		207-594-2326	207-5962724
7589	BERGLUND	JOHN QUINCY			PO BOX 185	SPRUCE HEAD	ME	04859	LC3		207-372-6228	207-542-6004
2026	BREEN	MATTHEW	P		PO BOX 208	Tenants Harbor	ME	04860	LC3		207-594-4010	207-621-2172
72329	CARLSON	DALE			PO BOX 441	SOUTH THOMASTON	ME	04858	LC3		207-594-4010	207-542-7165

12325	CARLSON	RICHARD	A	6 ENGLISHTOWN RD EAST	St. George	ME	04860	LC1	0 207-691-5437	
2355	CARLSON	SEAN	M	27 CARLSON LANE	St. George	ME	04860	LC3	2079751719	2079751719 seancarlson86@gmail.com
10027	CASWELL	ERIC	J	47 Fairbanks Rd	Wayne	ME	04284	LC1	2079755149	207-975-5149 eearview10@gmail.com
10192	CHASE	JARED		114 BUTTER MILK LANE	SOUTH THOMASTONME	ME	04858	LC2	0 207-593-6115	0 CZAALRM@GMAIL.COM
6828	CLINE	RYAN	E	39 DEER RUN RD	SPRUCE HEAD	ME	04859	LC3	0 207-542-0222	0 cline.asw@yaboo.com
7628	CURTIS	BRANDON	M	316 KINNEY WOODS RD	St. George	ME	04860	LC3	207-594-1463	207-975-4666
98770	DARLING	DENNIS	M	100 HARRINGTON COVE RD	SPRUCE HEAD	ME	04859	LC20	2075966847	0
6318	DAVIS	EDWARD	J	4 ROBINSON LN	St. George	ME	04860	LC3	0 207-691-3224	blueboat1990@roadrunner.c
7548	DAVIS	TREVER	A	PO BOX 76	Tenants Harbor	ME	04860	LC2	2079756433	
70666	DYER	PETER		242 CLARK ISLAND RD	SPRUCE HEAD	ME	04859	LC20	207-372-6608	
7160	HALL	GLENN	E	PO BOX 65	Tenants Harbor	ME	04860	LC1	207-372-8973	207-542-7077 gfb@it@rwc.com
6632	HANSEN	JOHN	L	PO BOX 426	Tenants Harbor	ME	04860	LC3	207-691-8915	207-691-8915 kobesense@rwc.com
20081	ILIFFE	WILLIAM	F	PO BOX 83	Tenants Harbor	ME	04860	LC3	207-372-6785	207-691-6283 ILIFFE@MYFAIRPOINT.N
5908	JOHNSON	ELMER	J	.224 WALSTON RD	Tenants Harbor	ME	04860	LC1	2075936459	2075936459 jacob32484@gmail.com
7506	JOHNSON	RUSSELL	A	PO BOX 475	Tenants Harbor	ME	04860	LC1	2076914064	russel13417@gmail.com
72239	JOHNSON	RUSSELL	L	PO BOX 253	Tenants Harbor	ME	04860	LC2	207-372-6465	
9317	JOHNSON	WILLIAM	J	PO BOX 166	Tenants Harbor	ME	04860	LC1	207-372-6785	
311	JURKOWSKI	AUSTIN	M	PO BOX 83	St. George	ME	04860	LC2	207-372-6285	207-542-9185
1696	LORD	SCOTT	T	28 CARLSON LN	Tenants Harbor	ME	04860	LC3	207-691-3532	207-691-3532 albtross312@yahoo.com
6369	LUNT	NICHOLAS	S	234 TURKEY COVE RD.	Tenants Harbor	ME	04860	LC3	207-542-5924	207-542-5924 LOBSTERLUNT@GMAIL.
2911	LUNT	PAULA	J	PO BOX 198	Tenants Harbor	ME	04860	LC2	0 2073728193	0 paulalunt@gmail.com
4288	LUNT	WILLIAM	S	PO BOX 198	Tenants Harbor	ME	04860	LC3	0 2076911652	0 luntlobster@gmail.com
5069	MASTERSON	LIAM	A	312 DENNISON RD	SPRUCE HEAD	ME	04859	LC2	207-593-8512	207-691-7743 tm506989@gmail.com
13089	MCLENNAN	LAURA	A	14 COTTAGE LN	SOUTH THOMASTONME	ME	04858	LC1	207-594-7945	207-691-8668 lobstcrz@hotmail.com
2113	MELQUIST	ERIC	D	203 TURKEY COVE RD	Tenants Harbor	ME	04860	LC2	207-691-1333	207-691-1333 rdmelquist@yahoo.com
7814	MELQUIST	JOHN	A	43 WALLSTON RD	Tenants Harbor	ME	04860	LC2	207-366-3710	207-691-6581 jmelquist@yahoo.com
6279	MILLER	ALAN	S	378 SEAL HARBOR RD	SPRUCE HEAD	ME	04859	LC3	207-594-1297	207-596-9384 jennm@roadrunner.com
2348	MILLER	DAN	W	PO BOX 81	Tenants Harbor	ME	04860	LC3	2073728945	2076911940 mimmeghan@roadrunner.com
6106	MILLER	HALE	W	PO BOX 508	Tenants Harbor	ME	04860	LC3	207-372-9682	207-691-1372 fvai@beran@gmail.com
9087	MILLER	JED	K	PO. Box 413	Tenants Harbor	ME	04860	LC3	2077018395	2077018395 pontus3@live.com
6275	MILLER	JOSHUA	V	52 ROARING SPOUT RD	Tenants Harbor	ME	04860	LC3	2073728997	2076919919 jmiller1000@hotmail.com
6463	MILLER	KEITH	R	11 EAGLE QUARRY RD	SPRUCE HEAD	ME	04859	LC2	207-592-9170	207-691-9308 CMMILLER@ROADRU
102	MILLER	MARK	K	38 FULLER RD	SPRUCE HEAD	ME	04859	LC3	207-594-7602	207-596-3466 mcmillerm@myfairpoint.net
3402	MILLER	PETER	M	PO BOX 302	Tenants Harbor	ME	04860	LC3	207-372-6497	207-446-2839 PMMPREP02@GMAIL.CO
1302	MILLER	RYAN	N	44 DEER RUN RD	SPRUCE HEAD	ME	04859	LC3	207-691-0644	207-691-0644 svmillertime@gmail.com
107	MILLER	STEVE	M	459 SEAL HARBOR RD	SPRUCE HEAD	ME	04859	LC30	207-594-2630	207-691-1933 JSMILLER707@ROADRU
2716	MILLER	ZACHARY	T	PO BOX 147	Tenants Harbor	ME	04860	LC3	207-691-4322	207-691-4322 Zacharymiller1991@gmail.c
1265	MILLER-FOWLIE	RACHEL	M	83 Eagle Quarry Road	Spruce Head	ME	04859	LC2	2075942602	2075427002 mlmgmm@myfairpoint.net
167	MORRIS	COREY	R	216 RIVER RD	Tenants Harbor	ME	04860	LC1	207-372-6385	207-390-3299 COREYM167@ICLOUD.C
71923	MORRIS	LYLE	W	232 WALLSTON RD	Tenants Harbor	ME	04860	LC2	207-372-3075	207-691-3969 morris242@gmail.com
4078	MORRIS	PHILIP	C	18 PORT CLYDE RD	Tenants Harbor	ME	04860	LC30	207-372-2182	207-596-1864
6634	MORRIS	ROBERT	M	PO BOX 288	Tenants Harbor	ME	04860	LC3	2073728030	207-975-7386 dnmorris@yahoo.com
1060	MYERS	JASON	J	153 LONG COVE RD	Tenants Harbor	ME	04860	LC2	207-372-0642	207-390-1541 AGoatbouse@icloud.com
3026	MYERS	MICHAEL	S	15 hidenway lime	Tenants Harbor	ME	04860	LC3	2075422164	2075422164 MEMLOBSTERMAN78@C
70275	PETTEE	ROBERT	A	180 SEAL HARBOR RD	St. George	ME	04860	LC2	207-594-2072	0
10255	POLKY	BOBBY	J	329 RIVER RD	St. George	ME	04860	LC2	207-372-8633	207-372-8633 Polkyhm@myfairpoint.net
673	RACKLIFF	BRETT	A	304 DENNISON RD	SPRUCE HEAD	ME	04859	LC3	207-542-9485	207-542-9485 BRACKLIFF@ROADRU
7797	RACKLIFF	DENNIS	A	40 RACKLIFF RD	SPRUCE HEAD	ME	04859	LC2	207-594-7359	207-691-9493
8699	RACKLIFF	DOUGLAS	A	143 CLINE RD	SPRUCE HEAD	ME	04859	LC2	207-594-1809	207-542-9992
4687	RACKLIFF	LOGAN	B	PO BOX 66	Wayne	ME	04864	LC3	207-838-4358	207-838-4358
70993	RACKLIFF	PAUL	B	PO BOX 149	SPRUCE HEAD	ME	04859	LC2	207-594-2375	0
1045	RICE	VANCE	A	378 Seal Harbor Road	SPRUCE HEAD	ME	04859	LC1	2075941297	2075426089 vance.a.miller@gmail.com
1985	RYTEY	COREY	M	10 LONG COVE RD	Tenants Harbor	ME	04860	LC1	207-691-7965	207-691-7965 coreyphone95@gmail.com
2497	SMALL	JOAN	I	PO BOX 190	Tenants Harbor	ME	04860	LC1	207-372-9682	207-592-6739 smalljoanie@roadrunner.com
2008-A	SMITH	BRANDON	W	PO BOX 132	Tenants Harbor	ME	04860	LC3	207-372-9682	207-542-9900 Fordpower9703@yahoo.com
7483	TARBOX	SAMUEL	M	424 SEAL HARBOR	SPRUCE HEAD	ME	04859	LC3	0 2076919016	0 Starbox11@gmail.com
9308	TYLER	DUANE	K	PO BOX 354	SPRUCE HEAD	ME	04859	LC2	0 207-594-0836	0 tylerfmc@gmail.com
7260	UPHAM	RAYMOND	F	183 RIDGE RD	St. George	ME	04860	LC1	2073720698	2075961131 nickznck@roadrunner.com
9463	VULTEE	ERIK	L	115 MILL ST	Rockport	ME	04856	LC1	207-236-8036	207-596-7158 LHVULTEE@GMAIL.COM
4283	WALDRON	WILLIAM	R	20 GURDY ST	Rockland	ME	04841	LC1	207-691-0709	
2607	WALL	RICHARD	M	PO BOX 136	Tenants Harbor	ME	04860	LC20	207-372-8827	
1738	WEAVER	DANIELLE	L	1121 RIVER RD	St. George	ME	04860	LC2	2073728449	207-446-3977 DEWMINEI738@GMAIL
9527	WIRKALA	JAMES	K	PO BOX 371	SPRUCE HEAD	ME	04859	LC2	207-596-0664	0 CCIEWIRKALA@ROADR
7439	YOUNG	GARRETT	B	17 LONG COVE RD	Tenants Harbor	ME	04860	LC1	2075963736	2073901119 Youngbro@live.com
6885	YOUNG	TOBEY		67 RIVER RD	Tenants Harbor	ME	04860	LC2	207-624-6350	207-390-5320 TOBEYOUNG37@GMAIL
99659	ALLEN	FRED		PO BOX 405	SOUTH THOMASTONME	ME	04858	LC2	207-542-9825	
7953	ALLEN	FRED	L	PO BOX 76	SOUTH THOMASTONME	ME	04858	LC0	207-596-6957	207-701-9309 PennieAllen@gmail.com
7002	ALLEY	ARTHUR	J	198 WATERMAN BCH RD	SOUTH THOMASTONME	ME	04858	LC2	207-594-7416	0
8119	ALLEY	JEREMY	R	18 ALLEY WAY	SOUTH THOMASTONME	ME	04858	LC2	0 207-691-5204	0 TORNADOALLEY71@ICI
4375	AMES	JAMESON	G	PO BOX 32	South Thomaston	ME	04858	LC2	207-691-3306	207-691-3306 SWEETMINELOBSTER
950	BAINES	COLE	S	PO BOX 162	SOUTH THOMASTONME	ME	04858	LC2	2075420013	2075420013 cole.baines@yahoo.com
566	BAINES	ROBERT	S	89 WATERMANS BCH RD	South Thomaston	ME	04858	LC2	0 207-596-9121	0 rsbaines566@gmail.com
8318	BALANO	JAMES	W	PO BOX 139	SPRUCE HEAD	ME	04859	LC0	207-594-4600	207-232-5192 jamesbalano@yahoo.com
3247	BAUM	JOSEPH	T	PO BOX 26	SOUTH THOMASTONME	ME	04858	LC1	207762881	207762881 thaum14@hotmail.com
2250	BENNER	THURIN	G	36 ENGLISHTOWN RD	St. George	ME	04860	LC1	0 207-390-0097	0
5618	BURCH	JOHN	E	126 OLD COUNTY RD	THOMASTON	ME	04861	LC2	207-354-5055	207-390-1275 Northernbel1966@gmail.c
4455	BURCH	ORRIN	A	20 CLARENDON ST	Rockland	ME	04841	LC1	207-596-3647	207-596-3647 sanderling197635@yaboo.c
3685	BURCH	WINSLOW	E	126 OLD COUNTY RD	THOMASTON	ME	04861	LC0	207-354-5055	207-542-2673 Lymie@415@yahoo.com
6100	BUTMAN	ADAM	J	PO BOX 54	Spruce Head	ME	04859	LC0	0 207-691-8761	0 carven@midcoast.com
4044	CARVER	RICHARD	A	PO BOX 1224	ROCKLAND	ME	04841	LC0	207-542-6597	207-542-6597 IMFLASHGORDON@MST
303	CONNELL	GORDON	C	PO BOX 69	SPRUCE HEAD	ME	04859	LC2	2075941801	207-691-1120 acoungs7496@gmail.com
7496	COUSENS	ANDREW		PO BOX 346	SOUTH THOMASTONME	ME	04858	LC2	0 207-542-2444	0 thundercousens57@gmail.cot
23411	COUSENS	DAVID		343 WATERMANS BEACH RD	SOUTH THOMASTONME	ME	04858	LC2	207-594-7518	207-446-3845 THUNDERBOLT2628@GA
2628	COUSENS	SAMUEL		343 WATERMANS BEACH RD	SOUTH THOMASTONME	ME	04858	LC2	207-542-5341	207-542-5341 rrcrremer@yahoo.com
6128	CREAMER	RANDALL	W	PO Box 403	Rockport	ME	04856	LC2	2079753384	2079753384 Outbeedg55@yahoo.com
2518	CROSS	TROY	A	44 WATERMAN'S BEACH RD	SOUTH THOMASTONME	ME	04858	LC2	2075960652	207-975-4087 SMOKINBULL@HOTMAJ
1908	CURTIS	HEATH	F	383 WATERMAN BEACH RD	SOUTH THOMASTONME	ME	04858	LC2	2075949175	2076912041 HELLISHARA@GMAIL.
1925	CURTIS	TODD	R	391 WATERMAN BEACH RD	SOUTH THOMASTONME	ME	04858	LC1	2075949175	2076912041 burtis6263@yahoo.com
6956	CURTIS	WILLIAM	D	PO BOX 317	SOUTH THOMASTONME	ME	04858	LC1	2075949175	2076912041 INFO@COOKEDTREELOI
2557	DAVIS	DENNIS	W	18 ATLANTIC QUARRY RD	SPRUCE HEAD	ME	04859	LC20	207-594-5952	207-542-4602 juliasulley87@gmail.com
99147	DAVIS	DENNIS	W	18 ATLANTIC QUARRY RD	SPRUCE HEAD	ME	04859	LC3	207-594-5952	207-691-1480 HAD9972@sof.com
7867	DAVIS	HUNTER		18 ATLANTIC QUARRY RD	SPRUCE HEAD	ME	04859	LC2	207-594-5952	207-542-3117 Normdnsm89@gmail.com
2566	DENNISON	NORMAN	E	82 SIMONS RD	SPRUCE HEAD	ME	04859	LC1	207-596-6054	207-593-5167
9862	DENNISON	RANDY	R	78 SIMONS RD	SPRUCE HEAD	ME	04859	LC3	207-594-4262	207-975-5080
2521	DENNISON	RYAN	M	78 SIMONS RS	Spruce Head	ME	04859	LC3	0 207-691-3439	ryan.dennison@ymail.com



6077	CURTIS	MAYNARD	W		45 CANNES BEACH RD	OWLS HEAD	ME	04854	LC3	207-594-0839		mcurtis45@gmail.com
25141	DAMON	DALE	R		37 Crockett Beach Road	Owls Head	ME	04854	LC3	207-701-1255	2077011255	bringer@gmail.com
7966	DOW	JAMES	N		PO BOX 283	OWLS HEAD	ME	04854	LC2	207-596-6408		jdow43@roadrunner.com
1894	EDWARDS	JEFFREY	O		49 BELLEVUE ST	OWLS HEAD	ME	04854	LC3	207-594-2066	207-691-1774	Edwardsmootings@gmail.com
71180	FLINT	CHARLES	W		PO BOX 263	OWLS HEAD	ME	04854	LC3	207-594-0830	207-542-9182	CFFLINT@ROADRUNNER
10209	FOOD	COREY	A		29 HIDDEN HORSE DR	OWLS HEAD	ME	04854	LC2		207-975-2829	ly@ps3@gmail.com
1326	FOURNIER	JOLENE	M		510 oceanville road	Stonington	ME	04681	LC1		207329436	JFOURNIER04627@GMAIL
2237	FROTHINGHAM	R SCOTT	JR		323 SOUTH SHORE DR	OWLS HEAD	ME	04854	LC3	207-594-2599	207-975-5507	miller060@gmail.com
7464	GAMAGE	NORMAN	E	SR	389 SO SHORE DR	OWLS HEAD	ME	04854	LC30	2075942412	207-390-0276	ng7464@yahoo.com
5104	GLOVER	JAY	E		58 FOX MEADOW RUN	Lyzant	ME	04002	LC1	2075921139	207-691-1939	jgllover57@hotmail.com
73983	GLOVER	JOHN	E		PO BOX 74	OWLS HEAD	ME	04854	LC2	207-594-9273	207-596-9083	johnmaddobbieglover@msn
239	GLOVER	KEVIN	J		319 SOUTH SHORE DR	OWLS HEAD	ME	04854	LC3	207-594-0839	207-691-4382	KEVINUGLOVER239@GM
5161	GOEBRY	RICHARD	K		PO BOX 82	OWLS HEAD	ME	04854	LC3	207-596-2807	207-975-9477	
98670	GREENLAW	IRA	E		PO BOX 33	OWLS HEAD	ME	04854	LC3	207-691-9552		
9715	GUSTIN	MIKE			9 HENDRICKSON PT RD	OWLS HEAD	ME	04854	LC2	2075942276	207775411	
9285	HERRICK	SCOTT			14 LONG LAUL LN	OWLS HEAD	ME	04854	LC2	207-594-7333	207-542-0772	SKAT9285@MYFAIRPOIN
7718	ILVONEN	TEEL	R		28 HERITAGE DRIVE	Owls Head	ME	04854	LC3	207-691-7717		ilvonen@yahoo.com
3176	JOYCE	KEENAN	R		14 MAIN ST	Thomaston	ME	04861	LC1	207-545-6048	207-975-7153	Keenanjoyce@gmail.com
4506	KEATING	MICHAEL			7 B SHEARMANS LN	OWLS HEAD	ME	04854	LC3		207-542-4242	0 207-542-4242
8724	LAWRENCE	GLENN	E	JR	20 ROSE HILL AVE	OWLS HEAD	ME	04854	LC2		2075926698	0 dolge@roadrunner.com
6024	LINDAHL	HENRY	H		PO BOX 114	OWLS HEAD	ME	04854	LC1	207-594-5718		
12500	LINDAHL	THOMAS	H		55 ILVONEN LANE	OWLS HEAD	ME	04854	LC3	2075425718	2075425718	tomlindahl12500@gmail.com
8094	LUSSIER	IAN			423 SOUTH SHORE DR	OWLS HEAD	ME	04854	LC3	207-691-5090		IANLUSSIER@GMAIL.CC
19674	LUSSIER	PATRICK			423 SOUTH SHORE DR	OWLS HEAD	ME	04854	LC1	2075912351		0 ffisherme06@yahoo.com
2812	MARCOUX	TIMOTHY			39 MECHANIC ST	ROCKLAND	ME	04841	LC2	2075429671	2075429671	tmarcoux5@gmail.com
5786	MARRINER	ALAN	D		101 ASH POINT RD	OWLS HEAD	ME	04854	LC3	2075966052	2075420615	joella_samariner@gmail.com
4010	MARRINER	TROY	L		40 SMALLS LANE	OWLS HEAD	ME	04854	LC3	2075424897	2075424897	joella_marriner@gmail.com
13311	MASON	RODNEY	F		PO BX 233	OWLS HEAD	ME	04854	LC2	2075940621	2075424245	rodneymason1@gmail.com
71937	MCMAHAN	DONALD	E	Jr	11 Brooman Dr.	Rockland	ME	04841	LC3	207-593-7891	207-593-2812	hampnet@aol.com
9326	MCMAHAN	RICHARD	H		51 BALLYHAC RD	OWLS HEAD	ME	04854	LC0	207-691-5927	207-230-9430	
8016	MCMAHAN	ROBERT	E		39 BAYSIDE WEST	OWLS HEAD	ME	04854	LC3	207-596-0260	207-242-3437	Lobsterrob10@gmail.com
4337	MCMAHAN	VANCE	R		12 JOURNEY'S END LN	OWLS HEAD	ME	04854	LC3		2075428399	0 aboulumcmahan3@aol.com
6823	MILLS	MATTHEW	P		143 SO SHORE DR	OWLS HEAD	ME	04854	LC3	207-594-7378	207-691-3266	MUTNONMBRS@ROADR
2941	NICKLES	CHAD			PO BOX 25	OWLS HEAD	ME	04854	LC2	207-701-9805		franzgeneration@gmail.com
2024	NICKLES	CHARLES	H		404 SOUTH SHORE DRIVE	OWLS HEAD	ME	04854	LC3		2076910368	0 newlif67@aol.com
19273	NICKLES	CHRISTINA	L		PO BOX 25	OWLS HEAD	ME	04854	LC3		2077019404	0 fvblacbyn@yahoo.com
9894	NICKLES	DONALD	A	JR	PO BOX 25	OWLS HEAD	ME	04854	LC3	207-701-9894		0 fvblacbyn@yahoo.com
9330	NICKLES	TODD	R		PO BOX 402	OWLS HEAD	ME	04854	LC3	207-975-1457	207-975-1457	nickles9330@gmail.com
4732-A	NYSTROM	MARK	A		55 MAHALA LN	OWLS HEAD	ME	04854	LC2	2075967629	207-691-2708	nystromms@aol.com
10011	O'HARA	CHRISTOPHER	K		PO BOX 23	OWLS HEAD	ME	04854	LC3		207-975-6380	0 mgalkowski@gmail.com
5018	O'HARA	FRANCIS	J	II	PO BOX 337	OWLS HEAD	ME	04854	LC2	207-594-7709		
71996	O'HARA	ROBERT	JR		502 ASH POINT DR	OWLS HEAD	ME	04854	LC3	207-594-8211	207-975-1296	BAOHARA1@GMAIL.CO
5259	OLIVER	FLOYD	H		207 SOUTH SHORE DR	OWLS HEAD	ME	04854	LC20	207-596-6377	207-596-3345	flloydoliver1946@gmail.com
9164	OLSEN	JASON	W		99 WALDOBORO RD	Friendship	ME	04547	LC1		207-832-1683	
2891	PHILBROOK	ALAN	R		PO BOX 342	OWLS HEAD	ME	04854	LC2	207-594-7936	207-975-2936	alanphilbrook@icloud.com
72018	PHILBROOK	JAMES			35 OAK RUN	OWLS HEAD	ME	04854	LC3		2075421183	0 suzyq@midcoast.com
4470	POLAND	MATTHEW	S		226 HATHORNE PT RD	CUSHING	ME	04563	LC3	207-542-9746		
5634	RAHKONEN	DONALD	M		6 MELROSE CIRCLE NORTH	ROCKLAND	ME	04841	LC1	207-597-3309		0 207-597-3309
6363	ROGERS	MICHAEL	R		24 WESKEAG RD	OWLS HEAD	ME	04854	LC2	207-594-7820	2075424054	207-691-5113
4641	ROSS	CHET			PO BOX 55	OWLS HEAD	ME	04854	LC3	207-596-7515	207-975-2271	0 danndoggs2@gmail.com
8345	ROSS	JAY	B		419 NORTH SHORE DR	OWLS HEAD	ME	04854	LC3	207-596-7515	207-975-2271	0 CHETROSS61@ICLOUD.C
1941	ROSS	LUCAS	B		PO BOX 55	OWLS HEAD	ME	04854	LC2	207-594-2130	207-530-7575	0 defender51@hotmail.com
5580	ROSS	MATTHEW	T		PO BOX 131	OWLS HEAD	ME	04854	LC3	207-596-0034	207-691-1672	
5810	SLEEPER	CYRUS			7 TIDAL CREEK RD	SOUTH THOMASTON	ME	04858	LC3		207-701-6625	0 qaners46@gmail.com
6737	STEVENS	RUSSELL	F		PO BOX 255	OWLS HEAD	ME	04854	LC3	2075967718	2076913233	0 RSTEVEN578@MYFAIRP
98344	WILLEY	DOUGLAS	L		12 B GAY STREET	ROCKLAND	ME	04841	LC1		207-596-3463	
9297	WILLEY	WALTER	R	III	89 ASH POINT DR	OWLS HEAD	ME	04854	LC20	207-594-9223		
7752	WILLIAMS	DONALD	A		PO BOX 231	OWLS HEAD	ME	04854	LC1	207 594 4389		
2881	WILLIAMS	DONALD	A	III	14 GRANITE POINT DR	OWLS HEAD	ME	04854	LC3		2075947820	2075424054
8746	WOODMAN	CARL	F		PO BOX 67	OWLS HEAD	ME	04854	LC0	207-594-4199	207-596-4831	
3393	WOODMAN	JEFFREY	M		PO BOX 214	OWLS HEAD	ME	04854	LC1	207-592-9160	207-542-6994	0 CWOODMAN001@ROAD
70719	WOODMAN	SCOTT	G		PO BOX 4	OWLS HEAD	ME	04854	LC2		(207) 973-6650	
115	WOTTON	WALTER	B		14 HARBORSIDE TERR	OWLS HEAD	ME	04854	LC20	2075948915		0 p_wotton@msn.com
6582	YATTAW	THOMAS	W		151 SOUTH SHORE DR	OWLS HEAD	ME	04854	LC2	2076910298	2076910298	0 yttawrockstar@aol.com
4189	ALEX	ROSS			24 LAKEVIEW TERRACE	ROCKLAND	ME	04841	LC2	207-701-9722	2077009722	0 ROSSALEX598@ICLOUD
5186	ALLEN	JOSEPH	A		71 MOUNTAIN RD	ROCKLAND	ME	04841	LC3		2076914176	0 KEYFLOATER96@YAHOO
9089	ALLEN	JOSHUA	C		2 M'CLOUD ST	ROCKLAND	ME	04841	LC3	207-594-4562	207-542-1538	0 sallan19@roadrunner.com
10781	BATES	GARRETT	S		55 MOUNTAIN RD	ROCKLAND	ME	04841	LC2		207-691-4892	
3459	BATES	JOSEPH	H		240 RANKIN STREET	ROCKLAND	ME	04841	LC3		207-975-4309	
28281	BAUDANZA	MICHAEL	J		56 WOODLEDGE LN	THOMASTON	ME	04861	LC2	207-596-0296	207-691-2847	0 baudanza7@hotmail.com
11583	BAUDANZA	RICO	G		56 WOODLEDGE LN	THOMASTON	ME	04861	LC2	207-596-0296	207-691-5816	0 ricobaudanza97@gmail.com
171461	BILLINGS	ALICEN			53 UPHAM RD	Union	ME	04862	LC3	207-790-0589		0 Djevnu@yahoo.com
4266	BURNS	BRADLEY	S		105 COGGINS RD	ROUND POND	ME	04564	LC2	207-632-5424	207-441-6110	0 angelaburns56@gmail.com
8122	CURTIS	CRAIG			8 WOODMAN TRAIL PARK	Owls Head	ME	04854	LC1	207-542-1730		
71112	CURTIS	RICKY	F		2093 NORTH UNION RD	Union	ME	04862	LC3		207-542-1444	0 RICKLAURIE@GMAIL.CY
8114	CURTIS	ROBERT	A		30 MOUNTAIN RD	ROCKLAND	ME	04841	LC3	207-594-7006		0 rocklandflstemmen2000@wi
6674	DAVIS	CLAUDE	E	JR	73 BOG RD	ROCKLAND	ME	04841	LC20	207-594-4791	207-691-9607	
5050	DENNISON	LAWRENCE	H		21 GLENWOOD AVE	ROCKLAND	ME	04841	LC20	207-594-2481		
4351	FREEMAN	ROGER			7 MARKS LN	ROCKLAND	ME	04841	LC3		2075945664	2075423262
5721	HALE	STEPHEN	C		242 OLD COUNTY RD	ROCKLAND	ME	04841	LC1		207-542-4852	0 freeman747@msn.com
8872	HALE-ALLEN	AMANDA	M		2 M'CLOUD ST	ROCKLAND	ME	04841	LC3	207-594-4562	207-542-1539	0 STEVEHALE1@ROADRU
9227	JOHNSON	ARTHUR	O	JR	11 TEA ST	ROCKLAND	ME	04841	LC1		207-542-2328	0 eslien19@roadrunner.com
2603	JOHNSON	MARK	R		12 THATCHER ST	THOMASTON	ME	04861	LC1		207-308-7249	
7599	KENNEY	GARY	L		PO BOX 1131	ROCKLAND	ME	04841	LC20	2075942552	207-593-6979	0 kenney6950@roadrunner.com
9717	KENNEY	JAMES	W		86 BOG RD	ROCKLAND	ME	04841	LC1	2075931650		0 gnm12665@msn.com
8521	KIRK	JASON	A		5 BAYVIEW SQUARE	ROCKLAND	ME	04841	LC1		2079253558	0 jaldrik82@gmail.com
3798	KIRK	WILLIAM	A		5 BAYVIEW SQUARE	ROCKLAND	ME	04841	LC0	2075947402		0 snowy1947@live.com
6952	LEITER	BRUCE			111 BEECH ST	ROCKLAND	ME	04841	LC2	2075967042	2075969688	0 BLEITER1949@gmail.com
1475	MORSE	TIMOTHY	A		90 THOMASTON ST	THOMASTON	ME	04861	LC1		2073807941	0 morse290@gmail.com
1102	NAZWORTH	TIFANY			697 PLEASANT POINT RD	Cushing	ME	04563	LC1	207-691-0092		0 TNAZWORTH27@GMAIL
6400	PETERSON	MARK	E		77 WEST MEADOW DR	THOMASTON	ME	04861	LC2		207-534-0137	
70258	REYNOLDS	STEPHEN	W		84 WALDO AVE	ROCKLAND	ME	04841	LC3	207-596-2998	207-441-2594	
2900	REYNOLDS	TRAVIS	F		5 LEXINGTON LN	ROCKPORT	ME	04856	LC2	207-593-0700	207-691-2848	0 MY3RENBOY536@GMAI
2685	SMITH	DAKOTA			PO BOX 205	ROCKLAND	ME	04841	LC3	207-407-9271	2077016678	0 REAPER.ATLANTIC@GM
8106	SMITH	VERITA	W		80 BAYVIEW	ROCKPORT	ME	04841	LC2	207-544-2838	207-701-6620	0 vsmith@roadrunner.com

170345	PEASLEE	CHASE	128 BENNER LN	WHITEFIELD	ME	04353	LCS
2770	IRELAND	LIAM	132 PLEASANT ST	YARMOUTH	ME	04096	LCS
9757	JONES	GRACE	132 pleasant st	Yarmouth	ME	04096	LCS
2769	JONES	MADELEINE	132 PLEASANT ST	YARMOUTH	ME	04096	LCS

[207-208-9280](tel:207-208-9280)  
[207-828-4887](tel:207-828-4887)  
[207-828-4882](tel:207-828-4882)  
[207-828-4882](tel:207-828-4882)

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# EXHIBIT

## B

Statement of David Black  
July 10, 2019

My name is David Black, a resident of Belfast Maine, and a lobster fisherman working from Belfast Harbor for 55 years.

Please include the information in this statement as part of the discussion on applications before you regarding the Nordic Aquafarms proposal to construct multiple pipelines into Upper Penobscot Bay in Belfast and Northport for the purpose of providing the intake of seawater and the discharge of effluents from the RAS facility proposed by Nordic Aquafarms to be located in Belfast, Maine.

As a local fisherman, I derive a significant portion of my annual income from the area beneath and adjacent to the proposed location of the Nordic Aquafarms pipeline. Therefore, I have considerable local knowledge of the area that I would like to share with you. I am sure that upon a total review of local information regarding this project that you will have many concerns about the environmental dangers and consequences of this proposed pipeline, just as I do.

Belfast Bay has a long productive history of fishing which has been diminished over time due to many municipal and industrial pollution sources. These pollution sources include decades of raw municipal sewage disposal from many points around the bay, untreated chicken waste from area poultry plants, fish waste from a long operating fish canning factory as well as mercury contamination in the bay from a facility on the Penobscot River. Add to these several dredging projects in Belfast, Searsport and other ports and you begin to see the degree of pollution this bay has suffered in the past.

I will discuss these pollution concerns separately:

#### **MUNICIPAL SEWAGE**

When I was young, raw sewage was a common sight in the bay. In recent decades, the municipal sewage outfalls around the Bay have mostly been identified and corrected. The result has been lower fecal coliform levels and increased availability of clean shellfish resources.

#### **INDUSTRIAL WASTE**

During the 20th century there were 2 poultry processing plants and 1 fish canning factory in Belfast that dumped untreated chicken waste and some fish waste through large pipelines directly into Belfast Harbor. The Harbor was so fouled with this effluent that Belfast Harbor was listed in the U.S.Coast Pilot publication as a harbor to avoid when cruising the Coast of Maine. After the closures of these factories, and the elimination of these discharge pipes, the bay became cleaner and more appealing to the public. However, I can tell you that today the remnants of those discharges remain in the sediment on the bottom of the bay. I believe it will take many a lifetime for this area to completely clean itself.

#### **DREDGING**

In my experience, whenever there was a dredging project at Mack Point in Searsport Harbor, the lobster catch in the area slowed for several years until the environment recovered. Additionally, when Belfast Harbor was dredged in 2003, it took a decade for the environment to

recover according to a letter from the Downeast Lobstermen's Association to the U.S. Army Corps of Engineers dated May 4, 2013.

Please note that the most recent attempt to dredge Searsport Harbor was cancelled due to environmental concerns.

## **MERCURY**

Mercury contamination in the bay from unconfined industrial mercury pools in the Penobscot River being moved downriver by the current has resulted in 13 square miles at the mouth of the Penobscot River being closed to all lobster and crab fishing due to methyl mercury contamination in these shellfish. Further studies by the federal court have identified buried mercury in other areas of the bay and specifically in the area of the proposed Nordic Aquafarms pipeline.

Can we now feel comfortable with a new pipeline proposal by Nordic Aquafarms to be constructed in Belfast Bay based upon this history? Each of the aforementioned sources of pollution were the result of projects permitted by the State of Maine and the Federal government over long periods of time.

I can think of several reasons to be very cautious with this project and they are as follows:

- This proposed pipeline is to be located just over a mile from the very controversial and failed proposal to dredge and dispose of sediments from the Searsport Harbor Improvement project in Upper Penobscot Bay.
- Dredging and blasting resulting from this project will produce the same impact as other dredging projects in the area.
- The construction and operation of this pipeline is directly in an area identified as containing buried mercury that would be continuously impacted releasing mercury to be ingested by sea life resulting in further closures of lobster and crab fishing areas where I make my living.
- This project proposes discharging 7.7 million gallons of brackish warm water into the bay every day! I was told by the project manager for this RAS facility that this volume of water equals nearly 50 percent of the total water volume of this RAS facility being discharged daily. An existing RAS system in Maine is run by the University of Maine and the operator of that facility has stated that they discharge only 10 percent of the total water volume daily, a significant difference. This is water that would be heated between 5 and 30 degrees Fahrenheit above the ambient temperature of seawater from the bay ( depending on the time of year ) combined with ground water from wells. It is very unreasonable to assume that this water which has been described by the applicant as cleaner than the water being pumped into the facility from the bay, should be discarded so soon after mixing and heating. This does not sound like a RAS facility at all but rather a flow thru system. This warm and brackish water will cause lobsters to leave the area for more saline and temperate conditions. This concern alone will cause great economic hardship for myself and other local fishermen.

- The chief technical officer for Nordic Aquafarms explained to me one day in his office that all discharge water from this facility will be run through a .4 micron filter before reentering the bay. Again, at the RAS system run by the University of Maine the minimum water filter is 30 microns, almost 80 times larger than the filters being proposed by Nordic! The manager of that facility stated that filters finer than 30 microns would clog quickly and be of no value.

- Nordic Aquafarms has submitted technical data with this application stating that lobsters are absent from this area of the bay. According to DMR statistics, total annual landings of lobsters for Waldo County have nearly doubled in the past decade. The area impacted by this pipeline is essentially the same area of Waldo County that exists in the bay.

As a fisherman working in this bay for 55 years, I have become a mentor for some of the younger fishermen that are hoping to have opportunities to live and prosper on this bay just as I have enjoyed for much of my life. The old timers always told me that it was my responsibility to leave this bay in better condition than when I found it, for the benefit of the next generations, and that is exactly why I am speaking to you today.

Please exercise your responsibilities as representatives of the people of Maine and understand that a better solution for the treatment of waste water from RAS aquaculture must be found other than this out of sight and out of mind pipeline.

Your vote in opposition to this project is in order.

Respectfully submitted

  
David Black

**EXHIBIT**

**C**

**HISTORICAL MAINE LOBSTER LANDINGS BY COUNTY**

<u>YEAR</u> <u>COUNTY</u>	<u>POUNDS</u>	<u>VALUE</u>
1964 CUMBERLAND	1,992,458	\$1,248,887
1964 HANCOCK	5,574,925	\$3,819,740
1964 KNOX	5,918,168	\$3,990,996
1964 LINCOLN	2,513,892	\$1,596,701
1964 SAGADAHOC	683,257	\$428,781
1964 WASHINGTON	2,824,281	\$1,881,320
1964 YORK	1,413,716	\$911,861
<b>1964 TOTAL</b>	<b>20,920,697</b>	<b>\$13,878,286</b>
1965 CUMBERLAND	2,438,981	\$1,760,377
1965 HANCOCK	5,062,876	\$3,884,569
1965 KNOX	5,031,068	\$3,782,906
1965 LINCOLN	2,137,941	\$1,596,978
1965 SAGADAHOC	472,652	\$345,610
1965 WASHINGTON	2,546,067	\$1,915,609
1965 YORK	1,172,200	\$891,155
<b>1965 TOTAL</b>	<b>18,861,785</b>	<b>\$14,177,204</b>
1966 CUMBERLAND	2,759,135	\$2,064,086
1966 HANCOCK	5,230,828	\$3,916,157
1966 KNOX	5,085,871	\$3,842,203
1966 LINCOLN	2,251,721	\$1,662,829
1966 SAGADAHOC	501,651	\$376,922
1966 WASHINGTON	2,858,597	\$2,108,591
1966 YORK	1,228,013	\$933,710
<b>1966 TOTAL</b>	<b>19,915,816</b>	<b>\$14,904,498</b>
1967 CUMBERLAND	2,398,165	\$1,939,418
1967 HANCOCK	4,106,538	\$3,431,840
1967 KNOX	4,408,318	\$3,643,992
1967 LINCOLN	1,905,352	\$1,562,718
1967 SAGADAHOC	458,766	\$373,002
1967 WASHINGTON	2,180,461	\$1,776,625
1967 YORK	1,031,596	\$870,274
<b>1967 TOTAL</b>	<b>16,489,196</b>	<b>\$13,597,869</b>
1968 CUMBERLAND	2,990,970	\$2,118,740
1968 HANCOCK	5,116,946	\$3,756,795
1968 KNOX	5,612,580	\$4,176,368
1968 LINCOLN	2,212,151	\$1,554,841
1968 SAGADAHOC	468,812	\$333,425
1968 WASHINGTON	2,924,994	\$2,110,909
1968 YORK	1,175,279	\$880,593
<b>1968 TOTAL</b>	<b>20,501,732</b>	<b>\$14,931,671</b>
1969 CUMBERLAND	2,868,176	\$2,287,009
1969 HANCOCK	5,258,582	\$4,260,884
1969 KNOX	5,259,009	\$4,339,129
1969 LINCOLN	2,266,981	\$1,810,627
1969 SAGADAHOC	488,379	\$399,637
1969 WASHINGTON	2,589,251	\$2,028,439
1969 YORK	1,104,402	\$921,104
<b>1969 TOTAL</b>	<b>19,834,780</b>	<b>\$16,046,829</b>



HISTORICAL MAINE LOBSTER LANDINGS BY COUNTY

<u>YEAR</u>	<u>COUNTY</u>	<u>POUNDS</u>	<u>VALUE</u>
1970	CUMBERLAND	2,864,275	\$2,498,944
1970	HANCOCK	4,625,588	\$4,493,896
1970	KNOX	4,685,018	\$4,602,267
1970	LINCOLN	2,236,007	\$2,065,926
1970	SAGADAHOC	505,049	\$456,877
1970	WASHINGTON	2,248,415	\$2,146,280
1970	YORK	1,007,917	\$937,311
<b>1970</b>	<b>TOTAL</b>	<b>18,172,269</b>	<b>\$17,201,501</b>
1971	CUMBERLAND	2,962,199	\$2,786,716
1971	HANCOCK	4,302,251	\$4,396,725
1971	KNOX	4,416,189	\$4,453,354
1971	LINCOLN	2,095,061	\$2,035,796
1971	SAGADAHOC	490,068	\$469,240
1971	WASHINGTON	2,170,426	\$2,236,846
1971	YORK	1,122,157	\$1,102,614
<b>1971</b>	<b>TOTAL</b>	<b>17,558,351</b>	<b>\$17,481,291</b>
1972	CUMBERLAND	2,622,846	\$2,735,260
1972	HANCOCK	4,003,749	\$4,775,455
1972	KNOX	4,383,479	\$5,117,064
1972	LINCOLN	1,831,550	\$1,996,528
1972	SAGADAHOC	526,695	\$586,331
1972	WASHINGTON	1,906,159	\$2,248,937
1972	YORK	981,989	\$1,127,880
<b>1972</b>	<b>TOTAL</b>	<b>16,256,467</b>	<b>\$18,587,455</b>
1973	CUMBERLAND	2,359,302	\$3,071,620
1973	HANCOCK	4,659,668	\$6,423,905
1973	KNOX	4,609,040	\$6,450,114
1973	LINCOLN	1,585,130	\$2,126,290
1973	NOT-SPECIFIED	97,572	\$103,362
1973	SAGADAHOC	449,436	\$609,732
1973	WASHINGTON	2,193,247	\$3,039,310
1973	YORK	1,090,799	\$1,445,526
<b>1973</b>	<b>TOTAL</b>	<b>17,044,194</b>	<b>\$23,269,859</b>
1974	CUMBERLAND	3,068,091	\$4,196,683
1974	HANCOCK	4,036,936	\$5,647,808
1974	KNOX	3,829,720	\$5,568,985
1974	LINCOLN	1,883,347	\$2,636,777
1974	NOT-SPECIFIED	165,807	\$240,420
1974	SAGADAHOC	466,882	\$630,799
1974	WASHINGTON	1,926,350	\$2,739,279
1974	YORK	1,080,533	\$1,552,057
<b>1974</b>	<b>TOTAL</b>	<b>16,457,666</b>	<b>\$23,212,808</b>
1975	CUMBERLAND	2,724,404	\$4,328,047
1975	HANCOCK	3,885,192	\$6,304,169
1975	KNOX	4,837,753	\$7,731,712
1975	LINCOLN	1,875,360	\$2,984,051
1975	SAGADAHOC	388,083	\$615,571
1975	WASHINGTON	1,741,523	\$2,830,549

**HISTORICAL MAINE LOBSTER LANDINGS BY COUNTY**

<b>YEAR COUNTY</b>	<b>POUNDS</b>	<b>VALUE</b>
1975 YORK	1,063,273	\$1,726,035
1975 TOTAL	16,515,588	\$26,520,134
1976 CUMBERLAND	3,110,007	\$4,519,468
1976 HANCOCK	4,584,207	\$7,239,797
1976 KNOX	5,158,034	\$8,107,279
1976 LINCOLN	2,277,724	\$3,392,486
1976 SAGADAHOC	427,541	\$646,061
1976 WASHINGTON	2,488,568	\$3,873,606
1976 YORK	954,972	\$1,459,674
1976 TOTAL	19,001,053	\$29,238,371
1977 CUMBERLAND	3,226,682	\$5,323,995
1977 HANCOCK	4,205,001	\$7,503,175
1977 KNOX	5,094,081	\$9,073,213
1977 LINCOLN	2,413,772	\$4,057,875
1977 SAGADAHOC	490,600	\$787,870
1977 WASHINGTON	2,020,443	\$3,579,839
1977 YORK	1,036,559	\$1,775,456
1977 TOTAL	18,487,138	\$32,101,423
1978 CUMBERLAND	3,596,115	\$5,934,405
1978 HANCOCK	4,484,457	\$8,289,614
1978 KNOX	5,365,457	\$9,724,425
1978 LINCOLN	2,290,070	\$3,939,448
1978 SAGADAHOC	487,927	\$808,139
1978 WASHINGTON	1,935,679	\$3,486,567
1978 YORK	970,754	\$1,695,778
1978 TOTAL	19,130,459	\$33,878,376
1979 CUMBERLAND	4,480,833	\$7,759,939
1979 HANCOCK	5,295,663	\$9,860,013
1979 KNOX	6,075,224	\$11,031,240
1979 LINCOLN	2,305,009	\$3,992,068
1979 SAGADAHOC	539,997	\$943,808
1979 WASHINGTON	2,394,212	\$4,432,780
1979 YORK	1,042,297	\$1,880,784
1979 TOTAL	22,133,235	\$39,900,632
1980 CUMBERLAND	4,611,648	\$8,263,903
1980 HANCOCK	5,104,368	\$10,697,291
1980 KNOX	6,045,212	\$11,094,366
1980 LINCOLN	2,315,798	\$4,243,301
1980 SAGADAHOC	555,410	\$1,034,977
1980 WASHINGTON	2,041,003	\$3,912,741
1980 YORK	1,313,455	\$2,482,535
1980 TOTAL	21,986,894	\$41,729,114
1981 CUMBERLAND	5,579,224	\$11,103,111
1981 HANCOCK	4,746,458	\$10,579,130
1981 KNOX	6,170,828	\$12,954,701
1981 LINCOLN	2,208,479	\$4,257,435
1981 SAGADAHOC	444,911	\$886,124
1981 WASHINGTON	2,268,604	\$5,027,662

HISTORICAL MAINE LOBSTER LANDINGS BY COUNTY

<u>YEAR</u>	<u>COUNTY</u>	<u>POUNDS</u>	<u>VALUE</u>
1981	YORK	1,213,110	\$2,428,760
1981	TOTAL	22,631,614	\$47,236,923
1982	CUMBERLAND	5,261,568	\$10,730,106
1982	HANCOCK	4,683,244	\$11,074,364
1982	KNOX	6,482,139	\$14,842,830
1982	LINCOLN	2,410,734	\$4,992,894
1982	SAGADAHOC	440,816	\$985,246
1982	WASHINGTON	2,308,104	\$5,168,765
1982	YORK	1,143,648	\$2,549,391
1982	TOTAL	22,730,253	\$50,343,596
1983	CUMBERLAND	4,416,116	\$9,817,101
1983	HANCOCK	4,605,315	\$11,160,720
1983	KNOX	6,409,731	\$15,226,090
1983	LINCOLN	2,719,334	\$6,066,982
1983	SAGADAHOC	507,968	\$1,179,713
1983	WASHINGTON	2,102,073	\$4,978,461
1983	YORK	1,216,018	\$2,805,224
1983	TOTAL	21,976,555	\$51,234,291
1984	CUMBERLAND	4,338,359	\$10,718,752
1984	HANCOCK	3,242,341	\$8,448,884
1984	KNOX	5,266,101	\$13,363,418
1984	LINCOLN	3,004,389	\$7,506,168
1984	SAGADAHOC	622,056	\$1,563,829
1984	WASHINGTON	1,962,383	\$4,871,950
1984	YORK	1,110,053	\$2,825,134
1984	TOTAL	19,545,682	\$49,298,135
1985	CUMBERLAND	4,533,636	\$9,801,714
1985	HANCOCK	3,745,265	\$8,592,995
1985	KNOX	5,407,181	\$12,170,058
1985	LINCOLN	2,740,767	\$6,016,037
1985	SAGADAHOC	520,048	\$1,162,365
1985	WASHINGTON	1,706,873	\$3,802,041
1985	YORK	1,471,407	\$3,490,348
1985	TOTAL	20,125,177	\$45,035,558
1986	CUMBERLAND	4,849,236	\$11,080,754
1986	HANCOCK	3,506,325	\$8,480,346
1986	KNOX	4,766,660	\$11,111,098
1986	LINCOLN	2,725,809	\$6,395,265
1986	SAGADAHOC	603,101	\$1,414,965
1986	WASHINGTON	1,824,153	\$4,205,278
1986	YORK	1,429,033	\$3,483,518
1986	TOTAL	19,704,317	\$46,171,224
1987	CUMBERLAND	4,559,383	\$11,888,723
1987	HANCOCK	3,497,830	\$10,052,882
1987	KNOX	5,090,703	\$14,411,711
1987	LINCOLN	2,437,208	\$6,707,997
1987	SAGADAHOC	546,418	\$1,493,718
1987	WASHINGTON	2,262,085	\$6,094,344

HISTORICAL MAINE LOBSTER LANDINGS BY COUNTY

<u>YEAR</u>	<u>COUNTY</u>	<u>POUNDS</u>	<u>VALUE</u>
1987	YORK	1,354,139	\$3,898,762
1987	TOTAL	19,747,766	\$54,548,137
1988	CUMBERLAND	5,112,196	\$13,818,159
1988	HANCOCK	3,591,152	\$10,627,748
1988	KNOX	5,843,876	\$16,263,371
1988	LINCOLN	2,638,248	\$7,190,508
1988	SAGADAHOC	539,410	\$1,498,831
1988	WASHINGTON	2,498,102	\$6,994,500
1988	YORK	1,516,083	\$4,349,321
1988	TOTAL	21,739,067	\$60,742,438
1989	CUMBERLAND	5,608,429	\$13,065,569
1989	HANCOCK	4,250,571	\$11,726,236
1989	KNOX	6,390,475	\$16,601,508
1989	LINCOLN	2,594,524	\$6,451,529
1989	NOT-SPECIFIED	116,850	\$308,484
1989	SAGADAHOC	529,325	\$1,359,354
1989	WASHINGTON	2,334,633	\$5,812,471
1989	YORK	1,543,912	\$4,227,060
1989	TOTAL	23,368,719	\$59,552,211
1990	CUMBERLAND	6,787,884	\$13,629,935
1990	HANCOCK	5,106,442	\$11,711,525
1990	KNOX	7,590,126	\$17,147,472
1990	LINCOLN	3,494,217	\$7,383,200
1990	SAGADAHOC	736,903	\$1,646,795
1990	WASHINGTON	2,254,275	\$5,116,366
1990	YORK	2,098,391	\$4,992,680
1990	TOTAL	28,068,238	\$61,627,973
1991	CUMBERLAND	7,749,756	\$16,988,836
1991	HANCOCK	6,170,719	\$15,478,852
1991	KNOX	7,437,632	\$17,438,775
1991	LINCOLN	4,113,817	\$9,233,186
1991	SAGADAHOC	747,107	\$1,690,358
1991	WASHINGTON	2,315,861	\$5,715,437
1991	YORK	2,253,754	\$5,719,903
1991	TOTAL	30,788,646	\$72,265,347
1992	CUMBERLAND	6,828,259	\$16,811,285
1992	HANCOCK	3,679,896	\$11,338,289
1992	KNOX	7,603,133	\$20,555,537
1992	LINCOLN	3,849,510	\$9,716,413
1992	SAGADAHOC	787,094	\$2,054,477
1992	WASHINGTON	1,988,616	\$5,509,805
1992	YORK	2,093,940	\$5,836,893
1992	TOTAL	26,830,448	\$71,822,699
1993	CUMBERLAND	6,775,632	\$15,405,739
1993	HANCOCK	4,860,419	\$12,787,474
1993	KNOX	9,452,680	\$23,730,240
1993	LINCOLN	3,904,496	\$9,121,585
1993	SAGADAHOC	795,007	\$1,862,573

HISTORICAL MAINE LOBSTER LANDINGS BY COUNTY

<u>YEAR COUNTY</u>	<u>POUNDS</u>	<u>VALUE</u>
1993 WASHINGTON	2,241,069	\$6,189,100
1993 YORK	1,897,161	\$4,766,727
1993 TOTAL	29,926,464	\$73,863,438
1994 CUMBERLAND	7,657,841	\$19,179,259
1994 HANCOCK	6,818,893	\$18,443,049
1994 KNOX	13,361,606	\$34,623,540
1994 LINCOLN	4,653,983	\$11,412,922
1994 SAGADAHOC	1,041,593	\$2,736,076
1994 WASHINGTON	2,711,394	\$7,391,732
1994 YORK	2,703,557	\$7,150,100
1994 TOTAL	38,948,867	\$100,936,678
1995 CUMBERLAND	5,930,682	\$15,762,117
1995 HANCOCK	7,462,326	\$20,069,012
1995 KNOX	14,265,374	\$39,019,937
1995 LINCOLN	3,938,181	\$10,515,328
1995 SAGADAHOC	785,248	\$2,154,172
1995 WASHINGTON	2,538,271	\$7,502,859
1995 YORK	2,288,242	\$6,869,748
1995 TOTAL	37,208,324	\$101,893,173
1996 CUMBERLAND	6,058,133	\$16,825,569
1996 HANCOCK	5,995,604	\$18,443,475
1996 KNOX/WALDO	13,096,320	\$38,066,330
1996 LINCOLN	4,088,410	\$11,582,610
1996 SAGADAHOC	921,660	\$2,829,996
1996 UNKNOWN	14,282	\$44,402
1996 WASHINGTON	3,377,524	\$10,946,845
1996 YORK	2,531,510	\$8,241,330
1996 TOTAL	36,083,443	\$106,980,557
1997 CUMBERLAND	9,121,551	\$26,082,338
1997 HANCOCK	8,910,151	\$26,594,709
1997 KNOX	17,333,911	\$51,000,288
1997 LINCOLN	4,132,380	\$11,920,293
1997 NOT-SPECIFIED	162	\$729
1997 SAGADAHOC	1,016,955	\$2,939,848
1997 WASHINGTON	3,954,077	\$11,960,030
1997 YORK	2,554,084	\$7,794,203
1997 TOTAL	47,023,271	\$138,292,438
1998 CUMBERLAND	7,764,518	\$21,761,129
1998 HANCOCK	10,431,174	\$31,176,249
1998 KNOX	16,550,383	\$46,198,512
1998 LINCOLN	4,512,540	\$12,936,440
1998 SAGADAHOC	1,020,663	\$3,124,052
1998 WASHINGTON	4,397,233	\$14,254,906
1998 YORK	2,360,325	\$7,738,053
1998 TOTAL	47,036,836	\$137,189,341
1999 CUMBERLAND	10,154,577	\$34,240,433
1999 HANCOCK	10,806,518	\$37,898,308
1999 KNOX	19,132,420	\$64,583,196

HISTORICAL MAINE LOBSTER LANDINGS BY COUNTY

<u>YEAR</u>	<u>COUNTY</u>	<u>POUNDS</u>	<u>VALUE</u>
1999	LINCOLN	4,925,141	\$16,877,253
1999	SAGADAHOC	1,137,076	\$3,999,913
1999	WASHINGTON	3,889,216	\$14,564,325
1999	YORK	3,449,470	\$12,450,643
1999	TOTAL	53,494,418	\$184,614,071
2000	CUMBERLAND	9,519,281	\$30,514,219
2000	HANCOCK	15,382,558	\$49,411,598
2000	KNOX	18,653,641	\$59,804,314
2000	LINCOLN	5,000,332	\$15,828,327
2000	SAGADAHOC	905,903	\$3,088,365
2000	WASHINGTON	4,788,939	\$18,363,877
2000	YORK	2,964,752	\$10,704,117
2000	TOTAL	57,215,406	\$187,714,817
2001	CUMBERLAND	6,520,260	\$19,803,951
2001	HANCOCK	10,082,125	\$32,411,845
2001	KNOX/WALDO	17,223,951	\$54,580,530
2001	LINCOLN	5,041,845	\$15,105,261
2001	SAGADAHOC	422,716	\$1,283,635
2001	WASHINGTON	6,948,785	\$23,047,741
2001	YORK	2,378,011	\$7,749,303
2001	TOTAL	48,617,693	\$153,982,266
2002	CUMBERLAND	9,591,508	\$31,220,418
2002	HANCOCK	16,549,841	\$57,267,041
2002	KNOX/WALDO	19,765,074	\$63,227,621
2002	LINCOLN	5,359,690	\$16,770,773
2002	SAGADAHOC	1,414,264	\$4,669,764
2002	WASHINGTON	7,499,213	\$25,857,154
2002	YORK	3,446,155	\$11,937,259
2002	TOTAL	63,625,745	\$210,950,030
2003	CUMBERLAND	5,595,642	\$20,519,959
2003	HANCOCK	13,962,989	\$53,555,884
2003	KNOX/WALDO	19,758,708	\$71,927,116
2003	LINCOLN	5,019,251	\$18,302,492
2003	NOT-SPECIFIED	130,810	\$536,424
2003	SAGADAHOC	911,867	\$3,580,788
2003	WASHINGTON	6,872,748	\$26,651,797
2003	YORK	2,718,933	\$10,640,869
2003	TOTAL	54,970,948	\$205,715,329
2004	CUMBERLAND	9,255,280	\$36,591,790
2004	HANCOCK	16,537,170	\$69,166,111
2004	KNOX	24,804,328	\$98,174,305
2004	LINCOLN	6,770,722	\$25,908,554
2004	SAGADAHOC	1,303,911	\$5,302,330
2004	WALDO	401,706	\$1,762,878
2004	WASHINGTON	7,873,692	\$32,674,789
2004	YORK	4,627,535	\$19,498,090
2004	TOTAL	71,574,344	\$289,078,847
2005	CUMBERLAND	8,335,125	\$37,755,755

**HISTORICAL MAINE LOBSTER LANDINGS BY COUNTY**

<u>YEAR</u>	<u>COUNTY</u>	<u>POUNDS</u>	<u>VALUE</u>
2005	HANCOCK	18,882,812	\$88,660,604
2005	KNOX	21,419,378	\$98,319,258
2005	LINCOLN	5,574,889	\$24,377,448
2005	NOT-SPECIFIED	14,655	\$72,488
2005	SAGadahoc	1,526,964	\$7,136,879
2005	WALDO	284,661	\$1,380,216
2005	WASHINGTON	9,323,532	\$44,493,250
2005	YORK	3,367,845	\$15,752,438
2005	<b>TOTAL</b>	<b>68,729,861</b>	<b>\$317,948,336</b>
2006	CUMBERLAND	9,444,550	\$38,237,173
2006	HANCOCK	21,159,600	\$85,552,617
2006	KNOX	22,123,241	\$90,162,700
2006	LINCOLN	6,361,330	\$24,580,617
2006	NOT-SPECIFIED	244,886	\$954,973
2006	SAGadahoc	1,850,308	\$7,951,396
2006	WALDO	372,901	\$1,620,134
2006	WASHINGTON	10,686,067	\$43,180,287
2006	YORK	3,173,459	\$13,464,040
2006	<b>TOTAL</b>	<b>75,416,341</b>	<b>\$305,703,938</b>
2007	CUMBERLAND	8,367,473	\$36,552,598
2007	HANCOCK	17,635,973	\$78,327,083
2007	KNOX	19,201,116	\$83,313,212
2007	LINCOLN	5,345,748	\$22,569,053
2007	NOT-SPECIFIED	21,837	\$89,374
2007	SAGadahoc	1,406,855	\$6,162,745
2007	WALDO	304,784	\$1,366,213
2007	WASHINGTON	9,273,724	\$41,086,679
2007	YORK	2,423,850	\$11,211,246
2007	<b>TOTAL</b>	<b>63,981,361</b>	<b>\$280,678,206</b>
2008	CUMBERLAND	9,077,125	\$32,153,313
2008	HANCOCK	19,350,787	\$69,190,516
2008	KNOX	20,218,311	\$69,876,410
2008	LINCOLN	5,635,488	\$18,883,924
2008	NOT-SPECIFIED	476	\$1,971
2008	SAGadahoc	1,381,763	\$5,024,168
2008	WALDO	306,738	\$1,066,923
2008	WASHINGTON	10,988,328	\$37,431,946
2008	YORK	2,949,486	\$11,520,855
2008	<b>TOTAL</b>	<b>69,908,504</b>	<b>\$245,150,026</b>
2009	CUMBERLAND	10,330,898	\$30,478,441
2009	HANCOCK	23,528,918	\$69,567,150
2009	KNOX	23,375,555	\$66,435,362
2009	LINCOLN	5,661,410	\$16,636,556
2009	SAGadahoc	1,535,623	\$4,677,360
2009	WALDO	293,435	\$831,688
2009	WASHINGTON	13,141,424	\$37,945,045
2009	YORK	3,307,374	\$10,965,289
2009	<b>TOTAL</b>	<b>81,174,638</b>	<b>\$237,536,890</b>

**HISTORICAL MAINE LOBSTER LANDINGS BY COUNTY**

<b>YEAR</b>	<b>COUNTY</b>	<b>POUNDS</b>	<b>VALUE</b>
2010	CUMBERLAND	11,649,232	\$39,436,920
2010	HANCOCK	31,306,262	\$103,696,417
2010	KNOX	25,561,334	\$83,308,122
2010	LINCOLN	6,194,426	\$19,622,036
2010	NOT-SPECIFIED	90	\$266
2010	SAGADAHOC	1,720,544	\$6,307,314
2010	WALDO	372,415	\$1,225,675
2010	WASHINGTON	16,213,914	\$52,830,939
2010	YORK	3,190,555	\$11,624,752
2010	<b>TOTAL</b>	<b>96,208,772</b>	<b>\$318,052,441</b>
2011	CUMBERLAND	12,469,579	\$41,667,556
2011	HANCOCK	34,071,486	\$108,189,416
2011	KNOX	29,672,698	\$94,380,783
2011	LINCOLN	6,391,550	\$19,964,854
2011	SAGADAHOC	1,659,690	\$5,877,406
2011	WALDO	456,016	\$1,449,663
2011	WASHINGTON	16,910,075	\$51,171,345
2011	YORK	3,293,634	\$11,838,711
2011	<b>TOTAL</b>	<b>104,924,728</b>	<b>\$334,539,734</b>
2012	CUMBERLAND	13,807,189	\$40,434,664
2012	HANCOCK	43,467,568	\$114,227,278
2012	KNOX	35,154,555	\$95,524,992
2012	LINCOLN	6,799,804	\$18,327,355
2012	SAGADAHOC	2,061,928	\$5,962,184
2012	WALDO	546,494	\$1,448,372
2012	WASHINGTON	21,744,391	\$53,948,126
2012	YORK	3,739,493	\$12,206,549
2012	<b>TOTAL</b>	<b>127,321,422</b>	<b>\$342,079,520</b>
2013	CUMBERLAND	12,193,758	\$39,113,119
2013	HANCOCK	44,136,419	\$123,785,668
2013	KNOX	34,532,764	\$103,729,589
2013	LINCOLN	6,378,457	\$19,003,421
2013	SAGADAHOC	2,138,756	\$6,757,811
2013	WALDO	688,618	\$2,063,728
2013	WASHINGTON	23,874,397	\$62,278,091
2013	YORK	3,865,268	\$13,652,554
2013	<b>TOTAL</b>	<b>127,808,437</b>	<b>\$370,383,981</b>
2014	CUMBERLAND	11,874,479	\$46,797,697
2014	HANCOCK	42,575,285	\$154,881,082
2014	KNOX	33,705,103	\$126,487,159
2014	LINCOLN	5,982,176	\$22,115,616
2014	SAGADAHOC	2,021,714	\$7,839,769
2014	WALDO	864,528	\$3,396,418
2014	WASHINGTON	23,282,620	\$81,210,885
2014	YORK	4,020,018	\$16,779,759
2014	<b>TOTAL</b>	<b>124,325,923</b>	<b>459,508,385</b>
2015	CUMBERLAND	12,299,414	\$53,104,387
2015	HANCOCK	41,612,365	\$167,686,441



**HISTORICAL MAINE LOBSTER LANDINGS BY COUNTY**

<u>YEAR</u>	<u>COUNTY</u>	<u>POUNDS</u>	<u>VALUE</u>
2015	KNOX	34,656,419	\$144,846,058
2015	LINCOLN	6,228,200	\$25,935,943
2015	SAGADAHOC	1,867,984	\$8,109,875
2015	WALDO	805,478	\$3,400,078
2015	WASHINGTON	21,333,130	\$82,054,104
2015	YORK	3,860,403	\$17,313,423
2015	<b>TOTAL</b>	<b>122,663,393</b>	<b>502,450,309</b>
2016	CUMBERLAND	14,381,231	\$61,443,396
2016	HANCOCK	45,027,295	\$180,694,824
2016	KNOX	35,159,752	\$148,524,186
2016	LINCOLN	7,129,928	\$29,223,307
2016	SAGADAHOC	2,086,181	\$8,921,975
2016	WALDO	827,209	\$3,514,944
2016	WASHINGTON	23,511,586	\$88,325,367
2016	YORK	4,493,242	\$20,092,294
2016	<b>TOTAL</b>	<b>132,616,424</b>	<b>540,740,293</b>
2017	CUMBERLAND	11,363,567	\$47,978,992
2017	HANCOCK	38,482,461	\$147,154,626
2017	KNOX	29,120,054	\$120,629,057
2017	LINCOLN	6,115,832	\$25,015,124
2017	SAGADAHOC	1,347,351	\$5,833,952
2017	WALDO	791,731	\$3,168,086
2017	WASHINGTON	20,930,267	\$70,994,766
2017	YORK	3,752,393	\$17,481,938
2017	<b>TOTAL</b>	<b>111,903,656</b>	<b>438,256,541</b>
2018	CUMBERLAND	13,511,305	\$59,633,797
2018	HANCOCK	39,626,782	\$155,272,400
2018	KNOX	30,855,267	\$134,236,609
2018	LINCOLN	6,881,021	\$29,694,975
2018	SAGADAHOC	1,016,464	\$4,540,401
2018	WALDO	746,704	\$3,011,412
2018	WASHINGTON	22,376,816	\$76,868,437
2018	YORK	4,626,021	\$21,285,602
2018	<b>TOTAL</b>	<b>119,640,380</b>	<b>484,543,633</b>

**Last updated 2/19/2019**

\*The 2002 & 2003 landings may possibly reflect the increased effort by DMR to collect voluntary landings from some lobster dealers; caution is advised when comparing these numbers to previous years.

\*\*Lobster reporting became mandatory in 2004 for all Maine dealers buying directly from harvesters, so caution is advised when comparing these landings to previous years.

All 2018 data are preliminary

# EXHIBIT

## D

## **I. SUMMARY OF OTHER GROUNDS FOR DENYING THIS LEASE APPLICATION**

The placement of these pipelines in Penobscot Bay, as proposed by NAF, would have potentially devastating impacts on the environment and economy of the Midcoast region – especially on our commercial fisheries and fishermen, including the iconic Maine lobster fishery in Penobscot Bay – which is the foundation of our economy in this region and the source of thousands of existing well-paying jobs. These adverse impacts include, but are not limited to the following:

- **Disturbing Buried HoltraChem Mercury:** The dredging and blasting required to bury a portion of NAF's pipelines in the Bay would disturb long-buried mercury from HoltraChem's discharges almost fifty (50) years ago. HoltraChem legacy mercury has previously been determined to be buried in this area of the Bay by the federal court's experts who conducted the Penobscot River Mercury Study ("PRMS"). In 2014, the Maine Department of Marine Resources ("DMR") shut down approximately 7 square miles in the lower Penobscot River and upper estuary of Penobscot Bay to all lobstering and crabbing due to the high level of mercury lobsters in this area had in their meat. That closure was based on data collected by the federal court's experts in the Penobscot River Mercury Study (PRMS). In 2016, DMR shut down an additional 5.5 square mile area in the upper Penobscot Bay to all lobstering and crabbing, after finding a mean level of mercury in the tail meat of 40 adult lobsters of 292.7 ng/g, caused by exposure to HoltraChem mercury in the surface sediments south of Verona Island resulting in methyl mercury contamination. 13-188 C.M.R. ch. 25, §25.65. The DMR concluded that any mean levels of mercury in lobster meat, over 200 ng/g, justified its closure of both the lobster and crab fishery (even in the absence of such levels in the crabs in that area). The mercury levels the court's experts determined are found buried beneath the surface sediment in the area NAF proposes to dredge is 200 – 300 ng/g.<sup>1</sup> At the April 24, 2019 Belfast Harbor Committee Meeting, NAF's representative (Ed Cotter) revealed that NAF-commissioned sediment tests (which have not been made public), confirmed a level of 239 ng/g in one core sample that they took in this area and that NAF had failed to test most of the 10 core samples they had taken. During the December 17, 2018 NAF public information meeting, NAF's representative confirmed that the sediment testing method NAF's agents used to do their tests was not the more accurate PRMS sediment testing standard. Indicating that the level of mercury that is buried in this area may be even higher than previously determined, since NAF found 239 ng/g there even using a less accurate sediment testing protocol that was likely to understate the

<sup>1</sup> The relevant DMR rule states:

**25.65 Lobster and Crab Closure in Penobscot River**

It is unlawful to fish for or take lobsters or crabs by any means from the waters north of a line starting at the western most point of Perkins Point in the Town of Castine continuing in a northwesterly direction to the southern most point of Squaw Point on Cape Jellison in the Town of Stockton Springs. This section does not apply to equipment operated by the Department of Marine Resources.

true level of mercury and its depth under the surface. Re-suspension of the HoltraChem mercury in the area of Penobscot Bay where NAF proposes to dredge and blast could spread methyl-mercury contamination throughout the entire food web of the Bay – destroying the lobster fishery that provides hundreds of lobstermen the ability to make a good living in now, damaging the reputation for wholesomeness of the Maine Lobster brand, harming all people and businesses that depend on the Midcoast lobster catch, and endangering the health and safety of all Midcoast residents and wildlife that live in and around Penobscot Bay.

- **A 5.5-Foot Underwater Wall:** According to NAF's latest schematic drawings for installation of their pipes in the intertidal land and under the Bay's waters, the portion of the pipelines that are not buried will form a wall on the surface of the Bay's bottom off Northport. The three pipes would be covered by gravel and a mesh cover. This configuration would form a wall along the bottom that is roughly 5.5 feet tall and roughly a half-mile long. Lobstermen who fish this area and who have had experience with disruptions to lobster movements caused by prior pipeline placements in Belfast Harbor, advised the Belfast Harbor Committee on April 24, 2019 that NAF's proposed underwater seawall will significantly disrupt the migration of lobsters in and around Penobscot Bay and radically change currents in this area and throughout at least the upper Bay. The effect on shorelines, erosion or navigation is unknown but likely also significant.
- **Contents and Characteristics of the Wastewater:** The impacts of the 7.7 million gallons of wastewater *a day* that NAF proposes to discharge into Penobscot Bay from these pipelines can also not be ignored when evaluating the impacts on riparian owners' rights and on commercial fishing and fisheries' health.<sup>2</sup> According to the current, new Commissioner of DEP during his January 30, 2019 confirmation hearing, the impacts of this discharge on commercial fisheries is a subject in the jurisdiction of DAFB-BPL not a consideration of the DEP during the MEPDES process. However, no information on the nature and predicted impacts of this wastewater discharge has been submitted by NAF, to date, to either agency.
  - **Wastewater-Temperature:** The proposed warm temperature of this wastewater (59° to 64.4° Fahrenheit; revealed as 15° - 18° Celcius in the MEPDES permit application) – discharged year round -- is between 5° and 33° Fahrenheit warmer than the Bay's normal temperatures (depending on what time of year it is discharged). If a rise in temperature of the Gulf of Maine or the Bay of 0.5° Fahrenheit can devastate our ecosystems – what could the impact of discharging this volume of wastewater daily, in a relatively shallow embayment and estuary be?! In light of the loss of the lobster fishery in southern portions of New England, attributed to warming waters in those areas, the adverse impacts on the lobster fishery in Penobscot

<sup>2</sup> To put this in perspective, the entire community of Bayside's wastewater treatment facility is limited to discharging 7 million gallons *a year* of treated wastewater into the Bay

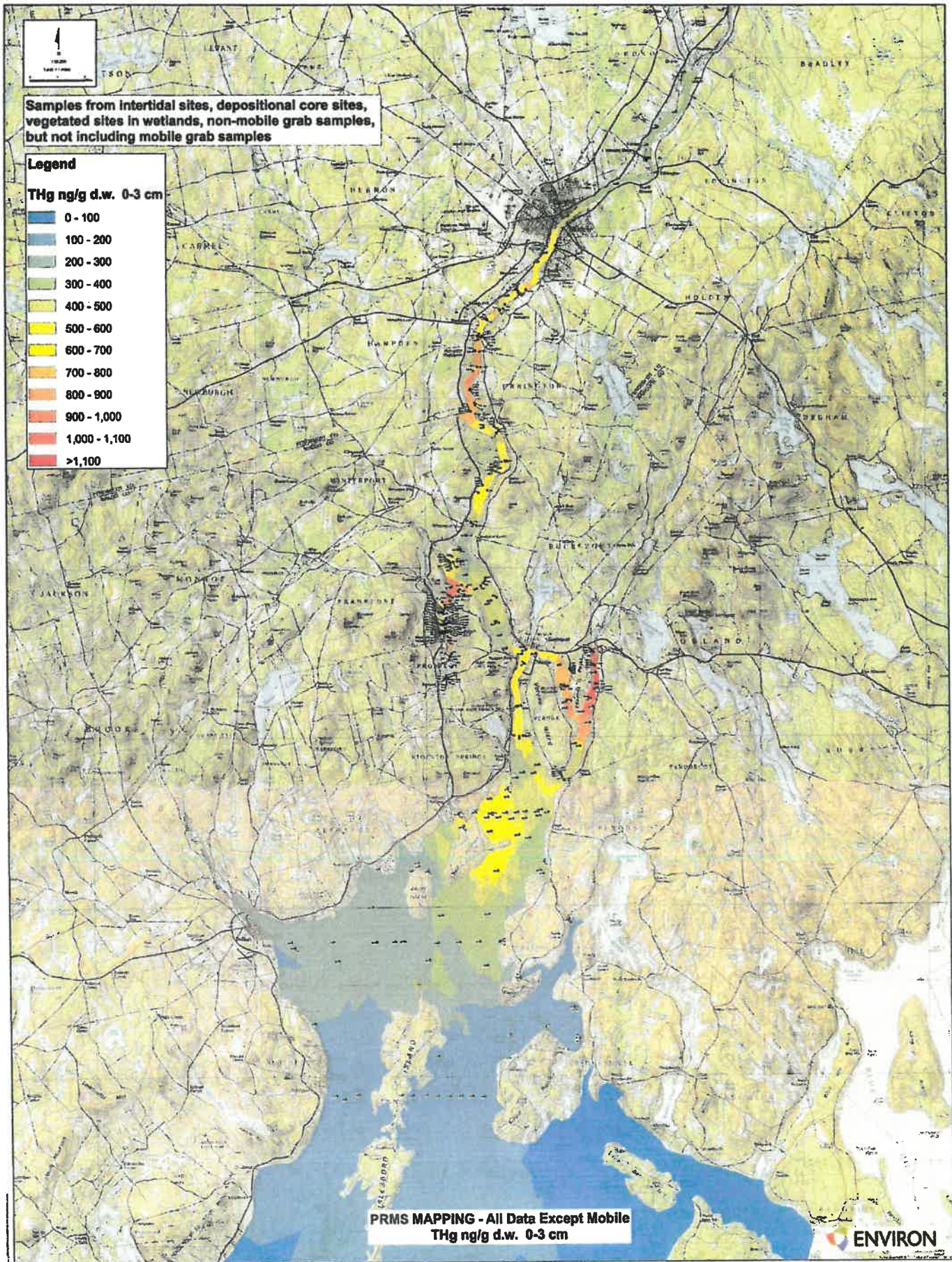
Bay would be catastrophic in the upper and western Bay, and potentially wide-ranging throughout the Bay as the water circulates.

- **Nitrogen:** The discharge will contain, according to NAF, 1484 pounds (673 kg) a day of nitrogen, which poses the risk of dangerous algae blooms, fish die-offs, and could put the Bayside Mussel Farm – an existing aquaculture leaseholder in the area of the discharges – out of business.
- **Currents and Circulation:** It will take fourteen days after discharge to leave the immediate area of the outfall pipe to circulate to every corner of Penobscot Bay and then out into the Gulf of Maine. This circulation estimate by NAF's consultant means that in the immediate area of the outfall there will be a constant accumulation of approximately 108 million gallons of wastewater – destroying the viability of the existing mussel farm aquaculture business that thrives in the currently clean waters in this area and harm the use of these waters by all existing riparian owners in this corner of the upper Bay. This NAF current estimate was made without consideration of the impact of prevailing winds and we believe was done prior to the adoption of the re-configuration of the pipelines to an above-ground placement.
- **Salinity Changes:** According to NAF, 15% of the wastewater will be fresh water – permanently changing the salinity of the Bay through man-made alterations.

No one can predict the scope of the adverse impacts that will result from allowing NAF to convert Penobscot Bay into its own giant chemistry experiment, but the impact on the health and reputation of all of Penobscot Bay's fisheries – especially our currently thriving and lucrative lobster fishery – will be significant, long-term and likely devastating. The adverse impacts on the thousands of lobstermen who fish in Penobscot Bay are incalculable, but certainly not off-set by the illusory promise by NAF of "up to" 100 jobs of unspecified salary ranges.

# EXHIBIT

## E



MGL's Filing April 23, 2020 at 4:37 p.m.



## Bertocci, Cynthia S

---

**From:** Kim Ervin Tucker <k.ervintucker@gmail.com>  
**Sent:** Thursday, April 23, 2020 4:37 PM  
**To:** Bertocci, Cynthia S  
**Cc:** Barry A. Costa-Pierce; Bensinger, Peggy; Bertocci, Cynthia S; Boak, Scott; Brewer, Angela D; Burke, Ruth A; Carrie Byron; Charles Tilburg; David Losee; DEP, Nordic Aqua Farms; Diane Hunt Braybrook; Donald W. Perkins, Jr.; Donna Broderick; Ed Cotter; Eleanor Daniels; Elizabeth M. Ransom; Erik Heim; Jacki Cassida; Jensen, Laura; Joanna B. Tourangeau (JTourangeau@dwmlaw.com); Kristin M. Racine; Lawrence Reichard; Marianne Naess; Martin, Kevin; Michael Lannan; Northport Village Corporation; Peter Tischbein; Wood, Gregg; Wayback Farm  
**Subject:** Fwd: Nordic Aquafarms Inc, Omission of Material Information  
**Attachments:** NAF dredge spoils haul route 3-2-2020.pdf; Kopec comments to DMR on NAF 3-2-2020.pdf

**EXTERNAL:** This email originated from outside of the State of Maine Mail System. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Submitted as exhibit to MGL Intervenors' Comments re DMR assessments

Begin forwarded message:

**From:** Kim Ervin Tucker <k.ervintucker@gmail.com>  
**Subject:** Fwd: Nordic Aquafarms Inc, Omission of Material Information  
**Date:** March 3, 2020 at 10:46:38 AM EST  
**To:** "Parker, Lauren" <Lauren.Parker@maine.gov>, "Noll, John" <John.Noll@maine.gov>, "Cutko, Andy" <Andy.Cutko@maine.gov>, "Beal, Amanda" <Amanda.Beal@maine.gov>, "Bertocci, Cynthia S" <Cynthia.S.Bertocci@maine.gov>, "Bensinger, Peggy" <Peggy.Bensinger@maine.gov>, "Jensen, Laura" <Laura.Jensen@maine.gov>, "Boak, Scott" <Scott.Boak@maine.gov>, Peter Tischbein <Peter.Tischbein@usace.army.mil>, "Clement, Jay L CIV USARMY CENAE (USA)" <Jay.L.Clement@usace.army.mil>  
**Cc:** "Mendelson, Meredith" <meredith.mendelson@maine.gov>, "Nault, Denis-Marc" <denis-marc.nault@maine.gov>, "Randlett, Mark" <Mark.Randlett@maine.gov>, Regina Lyons <lyons.regina@epa.gov>, "Keliher, Patrick" <Patrick.Keliher@maine.gov>, "lobsterman@prexar.com" <lobsterman@prexar.com>, Wayback Farm <waybackhomestead@yahoo.com>, Bartovics Susan <bbartovics@gmail.com>, Miller Stephen <iitmill@gmail.com>, Dave Sullivan <maineunionrep@yahoo.com>, "Bertocci, Cynthia S" <Cynthia.S.Bertocci@maine.gov>, Kim Ervin Tucker <k.ervintucker@gmail.com>, "Barry A. Costa-Pierce" <bcostapierce@une.edu>, "Burke, Ruth A" <Ruth.A.Burke@maine.gov>, Carrie Byron <cbyron@une.edu>, Charles Tilburg <ctilburg@une.edu>, David Losee <david@loseelaw.com>, "DEP, Nordic Aqua Farms" <NordicAquaFarms.DEP@maine.gov>, Diane Hunt Braybrook <dbraybrook@yahoo.com>, "Donald W. Perkins, Jr." <don@gmri.org>, Donna Broderick <dl\_broderick@hotmail.com>, Ed Cotter <ec@nordicaquafarms.com>, Eleanor Daniels <ellie@greenstore.com>, "Elizabeth M. Ransom" <elizabeth.ransom@ransomenv.com>, Erik Heim <Erik.heim@nordicaquafarms.com>, Jacki Cassida <jc@nordicaquafarms.com>, "Jensen, Laura" <Laura.Jensen@maine.gov>, "Joanna B. Tourangeau (JTourangeau@dwmlaw.com)" <JTourangeau@dwmlaw.com>, "Kristin M. Racine" <kracine@curtisthaxter.com>, Lawrence Reichard <lreichard@gmail.com>, Marianne Naess <mn@nordicaquafarms.com>, "Martin, Kevin" <Kevin.Martin@maine.gov>, Michael Lannan <mLannan@TechEnv.com>, Northport Village Corporation

<nvcmaine@gmail.com>, "Wood, Gregg" <Gregg.Wood@maine.gov>, Block <smblock@myfairpoint.net>, Jeffrey Mabee <jrmabee@gmail.com>, Judith Grace <judithgrace@gmail.com>, Strout Dana <dfspcc@gmail.com>, Jason Rawn <rawnjason@gmail.com>, Jane Earley <jane.c.earley@gmail.com>, Janie <janiemainie@gmail.com>, Andrew E Stevenson <andrewsteve@icloud.com>, Conny Hatch <connyhatch@icloud.com>, Victoria Matthews <vlmatt00@gmail.com>, Huber Ron <coastwatch@gmail.com>, Rock Alley <mlupresident@yahoo.com>, Sally Brophy <sallybrophy@icloud.com>, Greta Gulezian <gzgulezian@gmail.com>, Virginia Olsen <oceanvilleseafood@gmail.com>, Bill Coppersmith <coppersmithbill@gmail.com>, Charlie Smith <Charliesmith196395@yahoo.com>, Riley Poole <rizzavhs@gmail.com>, McGuire Thomas <mmmetbm@gmail.com>, Phil Black <bluehillmarine@gmail.com>, Gregory Turner <gturner5402@hotmail.com>, Debbie Turner <dturner2207@hotmail.com>, annalisafv2@hotmail.com, John Krueger <jkrueg1@gmail.com>, John Bisnette <jmpabis@aol.com>, David Crofoot <venasquais@gmail.com>

Mr. Bernacki accurately lays out the revelation last night from Cianbro, Ransom and other NAF agents that NAF revealed at the so-called "public hearing" on March 2, 2020.

To expand on the import to pending proceedings of what Mr. Bernacki is reporting is that, yet again, NAF has withheld material information from regulatory entities and Interested Parties that will have significant adverse impacts on Penobscot Bay and the fisheries and fishermen that rely on the health of this fragile estuary.

I am attaching a copy of the "haul route" for dredge spoils that NAF and DMR revealed for the first time last night.

During questioning last night of NAF's agents, NAF revealed that it has known about the need for, and route proposed for, this haul route for at least two weeks. When I asked if they knew this on February 14th, DMR Deputy Commissioner Mendelson tried to thwart my query — after a day in preparation with NAF's representatives (not fishermen) for the "public hearing" — and Dep. Com. Mendelson told me this was "not relevant" to the purpose of the "hearing". When I explained this was relevant to the adequacy of the notice sent out by DMR to Interested Parties and to what was provided to BEP she stated she would not allow that kind of question or "attitude" at the "hearing".

However, after two years of NAF's constant efforts to "hide the ball" and "move the goal posts" — and the NAF's repeated use of the tactic of filing different proposals with different agencies, I believe all Interested Parties, Intervenors, fishermen, and their representatives are entitled to a little "attitude". Due Process violations deserve the expression of a bit of "attitude" and righteous indignation, especially when those violations are done with the knowledge, acquiescence and/or complicity of public employees whose jobs are, by statute, to protect our natural resources from degradation and exploitation — not to aid and abet those who propose such degradation to pull the wool over the eyes of an unsuspecting public or to shove

through permit approvals on a project about which the applicant has, again, withheld material information.

So, I file the attached haul route and the testimony of Dr. Dianne Kopec, one of the experts on the team of experts who did the Phase II study and report to the federal court in the Mallinckrodt litigation in the Penobscot River Mercury Study ("PRMS"). I am filing and PROFFERING this information with BEP and BPL to be placed in the administrative record for both proceedings and request this information be: (i) considered by the BEP and BPL in their deliberations; (ii) be used as the basis for reopening the BEP proceeding and extending the comment period in the BPL proceedings; (iii) be submitted in the comments to the ACOE in response to the February 4 Notice; (iv) used by ACOE and consulting agencies to evaluate the species and habitats (including EFH and eel grass beds) that will actually be adversely impacted by this dredging proposal — including consideration of the spread of methyl mercury contamination by the proposed dewatering of now 20,000 cy of dredge spoils; (v) the description of this project and the amount of dredging and dredge spoils, as well as the size and location of the area proposed for disturbance of sediment (including sediment containing HoltraChem mercury) proposed by the applicant be modified by BEP-DEP, DMR, BPL and ACOE and revised public notices be posted and filed with all Interested Parties and the public in the expanded impact zone — which now includes an additional municipality (Searsport); and (vi) considered as an omission of material information by this applicant, pursuant to Submerged Lands Rule 1.7(B)(10).

I note Mr. Bernacki's observation that: "the math just doesn't add up" on the amount of dredge spoils this project will generate. Previously, the applicant stated that it would "only" be disposing of about 5,000 cy of dredge spoils material at an upland facility (the identity of which the applicant did not reveal). Last night, the applicant stated that it would be disposing at least 20,000 cy of material at an upland facility and made the dubious claim that "no dredging" would be done in the subtidal area where the pipes would be suspended from brackets along the sea floor. \_\_\_

Since we do not live in the Bahamas and don't have a hard sandy bottom where NAF proposes to place the pipes, and since the DEP has already described the need to "grade and fill" in the subtidal area where the above-ground pipe structures would be placed, it strains credulity to suggest that significant disturbance of sediment is not being proposed by this applicant in the subtidal area (where there is buried HoltraChem mercury) — which likely includes dredging and the creation of dredge spoils (and certainly includes the re-suspension of methane-laden and mercury-contaminated sediments).

If this project "only" involved the dredging and removal of 37,000 cy of material from the pipes' trench, and now will send 20,000 cy to a landfill, then NAF would only be

proposing to put 17,000 cy of material back in the trench after pipes' placement. This would be an inadequate amount of fill to restore the trench to its prior depth. Thus, NAF appears to be admitting that it is now removing an additional 15,000 cy of material (at least).

**In any case, as a result of the material change revealed during the 3-2-2020 "hearing", all descriptions of this project currently posted to the public in public comment notices are inaccurate and require modification and re-notice to the public, abutters and other interested parties (including municipalities).**

**I also file a formal request that sediment testing, using the PRMS standard for mercury testing as detailed in Dr. Kopec's comment, be required by this applicant in not just the actual pipeline route proposed for dredging but along the entire haul route now revealed and the impact area delineated on the second page of the haul route pdf attached to this email. These sediment tests are mandated by the Clean Water Act and NRPA in light of the known presence of Hg in the sediment of this area and the prior findings of the federal court's experts, as this is the area that this applicant has admitted will be directly impacted by its dredging and dredge spoils disposal plan.**

In support of this request I reference Chapter 5 of the PRMS, Figure 5-7 and the sediment chart for ES 15A (@ page 150 of the Chapter 5 pdf) — which is along the haul route now proposed by NAF and Cianbro. This shows levels of mercury even higher than the pipelines' route itself that will now be impacted by dragging 110-130 barges of dredge spoils to Mack Point. This project now threatened the lobster grounds in the entire upper Penobscot Bay, at a minimum.

<https://www.nrdc.org/sites/default/files/chapter5-penobscot-mercury-study-report-mallin-201304.pdf>

Pretending the HoltraChem mercury does not exist will not prevent an environmental and economic disaster in Penobscot Bay and the State of Maine, if and when NAF and Cianbro are allowed to disturb the buried mercury for the sake of up to 70 jobs of unspecified levels of compensation and a payment of mitigation compensation to ACOE of \$650,000 and the State of some lesser amount.

What is the health of Penobscot Bay and the iconic Maine lobster fishery really worth?! I daresay the People of the State of Maine would say they are priceless and I implore those entrusted with protecting these priceless resources to do your duty and address the requests above.

Respectfully submitted,  
Kim Ervin Tucker  
Maine Bar #6969  
On behalf of:

The Maine Lobstering Union  
Belfast Lobstermen: David Black and Wayne Canning (Zone D Lobster Council  
Representative for District 11)  
Jeffrey Mabee and Judith Grace, owners of the threatened intertidal zone land  
The Friends of the Harriet L. Hartley Conservation Area, Holder of the Conservation  
Easement on the threatened intertidal zone land

Begin forwarded message:

**From:** Wayback Farm <[waybackhomestead@yahoo.com](mailto:waybackhomestead@yahoo.com)>  
**Subject:** Nordic Aquafarms Inc , Ransom Eng. /Elizabeth ransom NRPA agent } Cianbro  
Public relations /"environmental specialist " Laura Walsh,, Bizarre major change in  
USACOE / Maine DEP NRPA applications , Monday March 2 /20 at Maine DMR  
"hearing "  
**Date:** March 3, 2020 at 8:01:11 AM EST  
**To:** Peter Tischbein <[peter.tischbein@usace.army.mil](mailto:peter.tischbein@usace.army.mil)>, "Wood, Gregg"  
<[gregg.wood@maine.gov](mailto:gregg.wood@maine.gov)>, Nick Livesay <[nick.livesay@maine.gov](mailto:nick.livesay@maine.gov)>, Lauren Parker  
<[lauren.parker@maine.gov](mailto:lauren.parker@maine.gov)>, Andy Cutko <[andy.cutko@maine.gov](mailto:andy.cutko@maine.gov)>, John Noll  
<[john.noll@maine.gov](mailto:john.noll@maine.gov)>, Denis-Marc Nault <[denis-marc.nault@maine.gov](mailto:denis-marc.nault@maine.gov)>, Jonathan  
DeWick <[dewick.eng@gmail.com](mailto:dewick.eng@gmail.com)>, Kim Ervin Tucker <[k.ervintucker@gmail.com](mailto:k.ervintucker@gmail.com)>, Brian  
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Krueger <[jkrueg1@gmail.com](mailto:jkrueg1@gmail.com)>, Scott Boak <[scott.boak@maine.gov](mailto:scott.boak@maine.gov)>

Peter Tischbein  
Greg Wood  
Nick Livesay  
Lauren Parker  
Andy Cutko  
John Noll  
Dennis Mark-Nault  
cc Regina Lyons EPA regional Dredge team

Dear Friends FYI , Good Morning ,  
I had a bizarre experience last night at the DMR "hearing " listening to the Maine DEP,  
NRPA agent for Nordic ,Elizabeth Ransom and Cianbro spokes person Lauren Walsh.  
They detailed a dredge spoils disposal plan and construction narrative "amendment  
" that was starkly in contrast to the plans and construction narratives contained in the  
USACOE, The Submerged Lands Lease Application  
{Amended /pending } and the NRPA application, Appendix c and project narrative for the  
alteration of coastal wetlands .  
{ I include Mr Wood in this email because I think that perhaps dewatering 20,000 cubic  
yards of dredge spoils with a certain elevated Hg content might be a MEPDES and WQC  
/CWA issue?}

Some , Highlights from Ms. Walsh and Ms. Ransom amended narrative before the DMR { it was taped "for the Record" } and their statements and answers to "clarifying questions" are as follows

instead of 5,000 to 10,000 cu. yds. of "excess " spoils being removed at the end of Grading and filling , EVERY DAY a barge will be transporting and dewatering at the Little River Bay and in route to Mack Point a total of 110 trips or so "estimated 20,000 cu yds. " .

Every day the trench will be backfilled with installed pipes { I calculate that the one barge trip a day ditch will only be 16.2 feet a day }  
But then if the ditch is dug and backfilled at low tide it will be night in november by the time the barge travels not daylight as claimed , as well as many lost days due to unfavorable short days and unfavorable tide schedules .

The pipe segments will not be 100 to 1000 feet long as in existing narratives , only a daily length of 20 feet . { these pipes are land welded electro chemically . 100 or so flange connections under water would be impossible and cost prohibited .

The dewatering in little river cove and during the trip to Mack Point will release large quantities of water that has not been tested for contaminants { not even SAP /green Book , much less for real with PRMS protocol .} and tests not on project site or to depth of dredge .

Discharge of polutants ? MEPDES/ WQC?

The Barge spoils route was only a linear line from the middle of the subtilal area ,and the dredge area is almost a half of mile in length perpendicular to the route , so the actual "routes" would spread out over an entire 1.2 square miles of fishing grounds , changing on a daily basis . The "Plan" Presented By Cianbro surveyor/ GIS expert , Cory Verril is not accurate or representative of the dewatering or the fishing impacts area .

The numbers don't add up . the dredge proposal for the dimensions stated for the "trench " in all the construction narratives minus the amount of spoils removed would indicate that at least 10,000 cubic Yards of additional fill material would need to be added to bring the the trench to "original grade " of seafloor and intertidal ?

Mr Tischbein I must formally ask for an extension of the comment period for the Nordic Aquafarms USACOE application for dredging filling and structure ,as it is clear that the application has been drastically amended

Mr Cutco I believe the Material facts , Rule 1.7b , 10 , have changed again . applicant amendment and New Notice ? .

Mr Livesay and Mr Wood ,Your post BEP hearing Problem I guess I can't comment , record closed !.

Thanks for your attention to these troubling material facts , Paul Bernacki

PS I will be following this up with a memo to the Interveners and Interested Parties , and their Attorneys ,of the BEP proceedings , whom I think you will hear from soon in a more formal way .

## Comments

### DMR Public Hearing Regarding Fishing Industry Impacts of Proposed Project for Nordic Aquafarms Inc. in Belfast, Maine

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Date: March 2, 2020

TO: Sarah Cotnoir  
Maine Department of Marine Resources  
21 State House Station  
Augusta, Maine 04333

FROM: Dianne Kopec, PhD  
479 Beechwood Ave.  
Old Town, ME 04468  
[dkopec@maine.edu](mailto:dkopec@maine.edu)  
207-827-1027

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I am writing to discuss background information on mercury contamination in Penobscot Bay relevant to the proposed Nordic Aquafarms, Inc. project in Belfast, Maine. Between 2007 and 2014 I was the Staff Biologist for the Penobscot River Mercury Study (PRMS), a court-ordered study that examined mercury contamination, from the former HoltraChem chlor-alkali plant in Orrington, Maine, in the lower Penobscot River and Penobscot Bay. In the 2013 PRMS Phase II report summarizing our findings I was the lead author on Chapters 14 and 16 documenting mercury contamination in the lobster, fish, shellfish, invertebrates, and birds of the aquatic and terrestrial food webs impacted by the HoltraChem discharges, and co-author of an additional 14 chapters. I also authored three peer-reviewed journal articles on our findings and co-authored an additional five journal articles.

Existing data on the concentration of mercury in the nearshore sediment south of Belfast should be considered when reviewing the planned dredging operations associated with construction of the intake and discharge pipes from the proposed Nordic Aquafarms plant in Belfast. Between 2006 and 2012 the Penobscot River Mercury Study (PRMS) examined mercury contamination in the lower Penobscot River and Penobscot Bay from the former HoltraChem chlor-alkali plant in Orrington, Maine. Sediment core samples were collected in 2009 from multiple sites in Penobscot Bay and the river (Yeager 2013). The sediment cores were analyzed for total mercury in 1 to 2 cm slices from the surface down to a depth of 40 cm, then in 5 cm slices to a depth of 90 cm, providing a thorough account of the mercury concentrations at the chosen sample sites.

Included in the 2009 sediment work were cores from three sites sampled approximately 2 km north of the proposed Nordic Aquafarms (NAF) pipeline dredging area. Those cores, listed below in Table 1, provide sediment mercury concentrations from the surface sediment down to

a depth of 90 cm for the nearshore area south of Belfast. Core 08A is close to shore, core 08C is approximately 1 km offshore and core 7A is roughly 4 km offshore.

Table 1. Total mercury (Hg) concentrations in sediment sampled in the nearshore area south of Belfast in 2009.

Core #	Surface Sediment Hg 0 – 3 cm; mean (ng/g dw)	Deep Peak sediment depth (cm)	Deep Peak Hg (ng/g dw)
ES 08A 09V	347	15-16	495
ES 08C 09V	299	15-16	370
ES 07A 09V	304	6-7	346

Several findings given in Table 1 are important to note. The surface sediment mercury concentrations from the three sites were over six times greater than background sediment mercury concentrations for estuaries along the central Maine coast, reported by Bodaly (2013) as 25 – 50 ng/g dw. Further, the peak sediment mercury concentrations were not at the surface, but rather at a depth of 6 to 15 cm.

Surface sediment concentrations are most relevant to mercury contamination of biota, unless the sediment is disturbed. Most sediment mercury is in the inorganic form which has limited accumulation in organisms. Mercury in surface sediment is exposed to methylating bacteria in an environment amenable to transforming the inorganic mercury into organic methyl mercury, which is highly bioavailable, and which biomagnifies in aquatic food webs. If the sediments are disturbed and mixed, then the inorganic mercury sitting in the deeper sediment can also be methylated and enter the food web. Mercury concentrations in surface sediment are directly related to mercury concentrations in benthic foraging marine organisms.

The Penobscot River Mercury Study also examined mercury in lobster, and other shellfish, fish, and bird species. Mercury concentrations in lobster sampled to the south of Belfast were two to four times lower than found in lobster from the DME lobster closure zone near the mouth of the Penobscot River. Lobster were sampled in 2008, 2009 and 2010 in the area of Kellys Cove, south of Belfast, as part of Phase II of the study. Lobster from the Kellys Cove area had the lowest mercury concentration in tail muscle found in any of the northern Penobscot Bay sample sites (average of 100 ng/g ww, adjusted for carapace length, Kopec and others 2019), though still double the mercury concentrations in tail muscle from lobster sampled in Frenchman Bay in 2017, outside of the aquatic influence of the HoltraChem discharges (median mercury concentration 39 ng/g ww; Amec Foster Wheeler 2017). The mercury concentrations in lobster tail sampled from the current DMR lobster closure zone averaged 200 to 400 ng/g ww (Kopec and others 2019), two to four times greater than found in lobster from Kellys Cove.

Similarly, surface sediment concentrations (0 – 3 cm) in the south Belfast area were, on average, half of the average surface sediment concentration found in the DMR lobster closure zone (11 sites, average total mercury concentration 679 ng/g dw, 0-3 cm). However, within the lobster closure zone, surface sediment concentrations ranged from 332 to 916 ng/g dw (Yeager



2013). This wide range in surface mercury concentrations reflects variation in sediment characteristics and deposition patterns, and current and circulation patterns within Penobscot Bay. Note that the lower end of the range of surface sediment mercury concentrations in the lobster closure zone is equivalent to the surface sediment concentrations reported for the sampled area given in Table 1, north of the proposed NAF pipeline dredging operation. No data are available on the actual sediment mercury concentrations along the proposed route of the NAF pipelines.

It is important to conduct thorough sediment core analyses of the specific area proposed for dredging to install the NAF intake and discharge pipelines. This work should follow the coring and analytical methods used in the Penobscot River Mercury Study in order to generate an accurate description of the sediment mercury concentrations at all relevant depths. Cores should be sectioned for mercury analysis in 1 cm slices to a depth of 20 cm, then in 2 cm slices to a depth of 40 cm, then in 5 cm slices to a depth of 90 cm. This method will ensure a full characterization of the distribution of mercury in the sediment underlying the proposed pipeline route and allow the regulatory agencies to make informed decisions on any risks to biota associated with the proposed dredging and how best to dispose of any dredge spoils.

There are many economic and environmental advantages to land-based aquafarms, but like all new operations the preparatory work must be thorough and site-specific to ensure that unintended harm to the broader environment does not occur. Please contact me if you have any questions.

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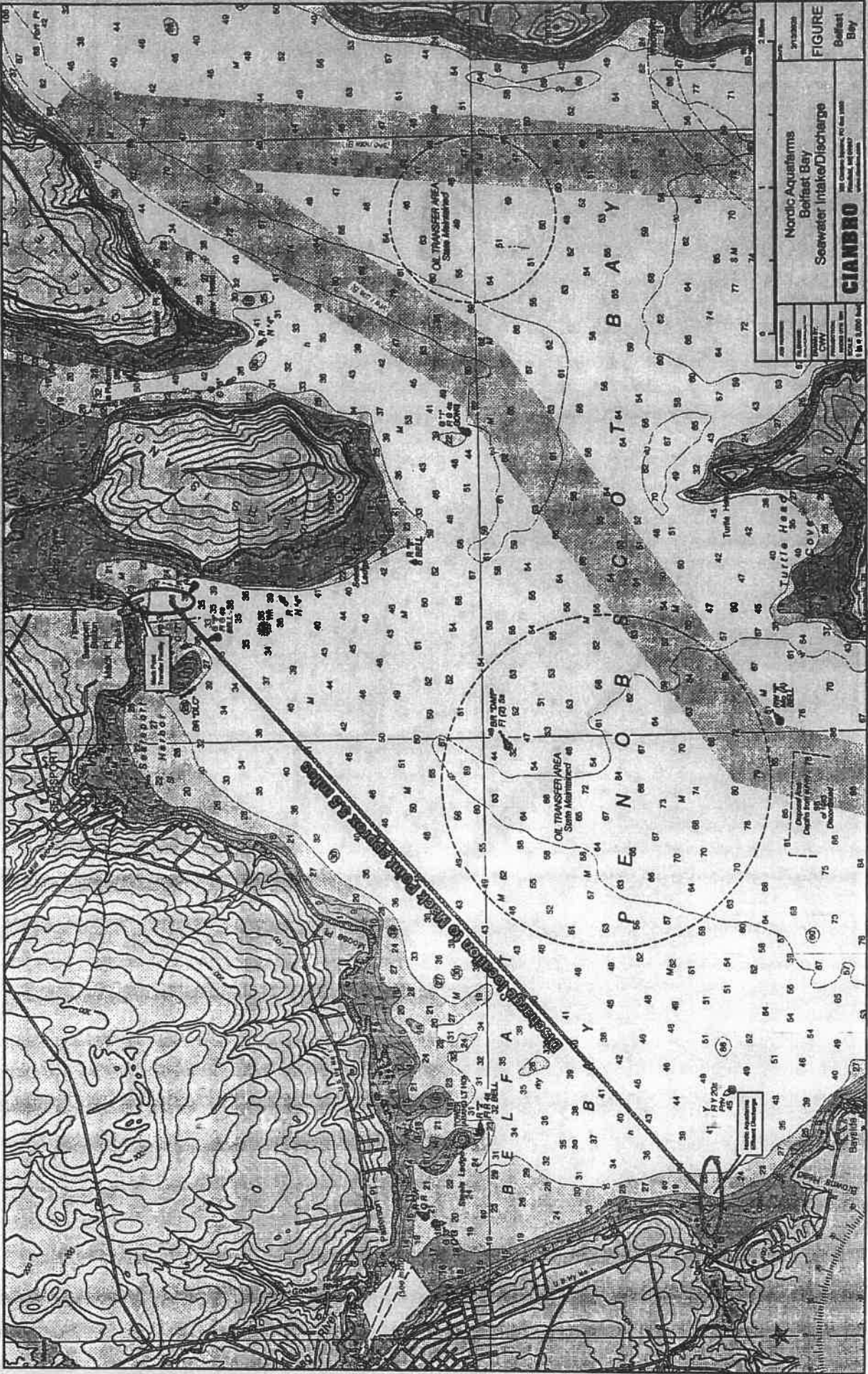
References:

Amec Foster Wheeler 2017 . 2017 Biota Monitoring Report. Penobscot River Phase III Engineering Study. Prepared for U.S. District Court. Project No. 3616166052.

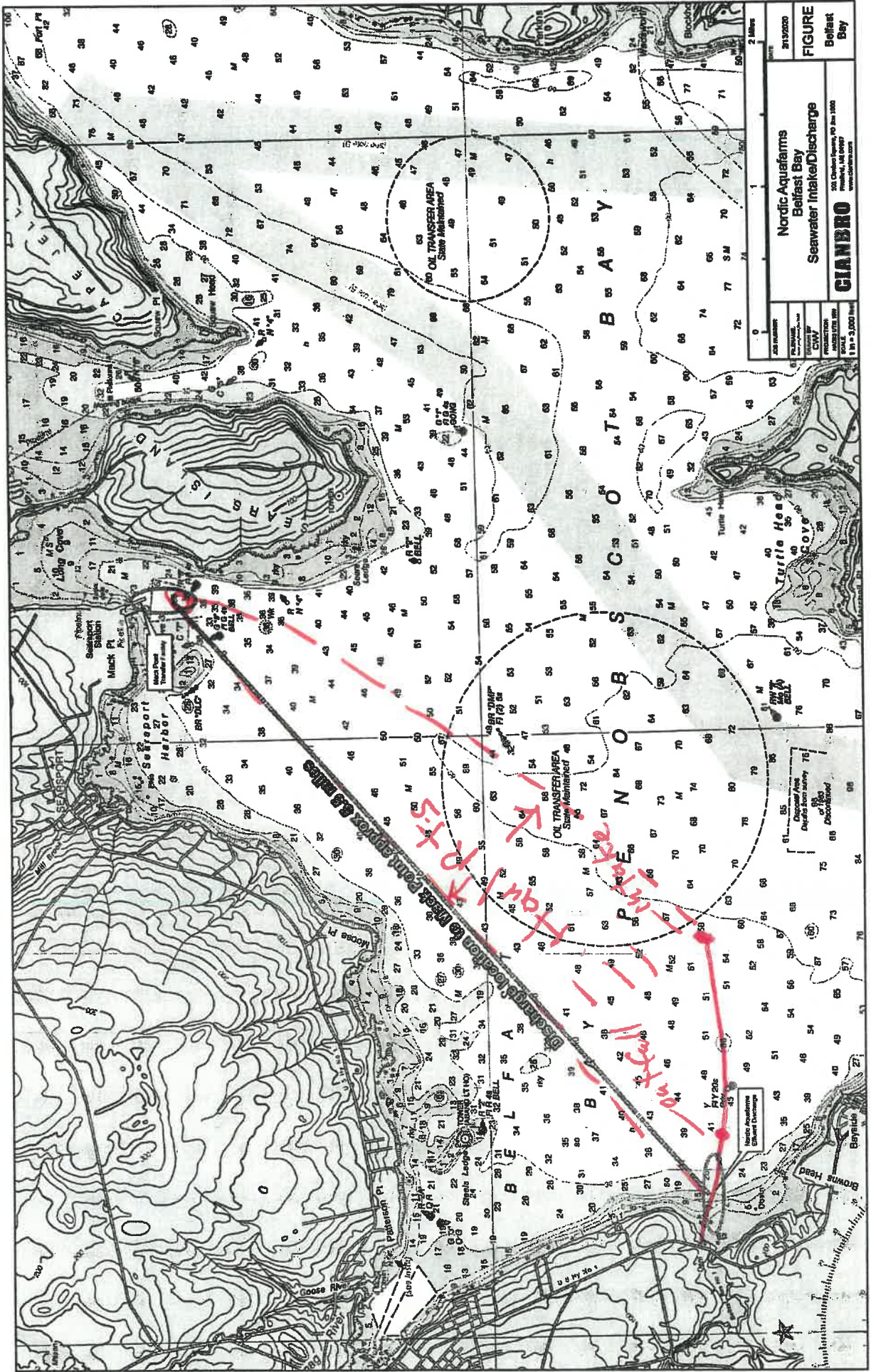
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Nordic Aquatorms  
 Beaufort Bay  
 Seawater Intake/Discharge  
**CIAMBRO**  
 FIGURE  
 Beaufort Bay



DATE	21/10/2020
FIGURE	Belfast Bay
PROJECT	Nordic Aquafarms Belfast Bay Seawater Intake/Discharge
SCALE	1 in = 3,000 feet
PROJECT NO.	100
REVISED BY	CIAMBRO
DATE	21/10/2020
BY	CIAMBRO
APPROVED BY	
DATE	

Sheet 1 of 1

Sheet 1 of 1

MGL's Filing April 23, 2020 at 4:48 p.m.

This filing consists of DMR's hearing notice that was not admitted to the record.  
(Fifteenth Procedural Order)