


1954

Records of the State of Maine Department of Sea and Shore Fisheries, Maine Shellfisheries Association, 1954-1962

Maine Department of Sea and Shore Fisheries

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Statement of Robert L. Dow, Research Director, on the
Proposed Shellfish Management Program appropriation,
DEPARTMENT OF SEA AND SHORE FISHERIES, before the
Advisory Committee on Budget, October 13, 1954

Preliminary work on a shellfish management program was commenced in 1946. In 1947, the Legislature provided that revenues from certain licenses be expended for this purpose. Although the income from these sources varies from year to year, the total amount available ranges from about eight to ten thousand dollars.

This proposed program is based on the basic research and management studies which have been carried on by the Department since 1946 and is actually an extension of the work currently in progress. Our present program has been limited by the availability of personnel and funds. In fact, our current program is supported more than 50 per cent by income other than that provided by dedicated shellfish revenue. Each year research money established for our in-shore fisheries' research work has been expended on clam and quahog problems because of: (1) the economic importance of these species on a local basis and (2) the critical fluctuation and decline in soft-shell clam abundance. Beginning with 1946 up to the present time, the value of the soft-shell clam resource to fishermen in Maine has averaged between one and two million dollars. The value of this resource to the State as a whole after processing and distribution has been several times this figure. Therefore, the request for some \$50,000.00 to carry on additional research and management work is not out of order since it would represent from 1/2 to 1 percent of the value of the industry to the State.

Our proposal, if accepted, would permit the Department of Sea and Shore Fisheries to carry on an area-by-area coastwide shellfish management program. Although initially the effort would be concentrated on soft-shell clams and quahogs, it is contemplated that mussels and marine worms would be included after the first phases of the work on the two clam species have been completed.

As our research progressed we expanded our experimental program with money from Appropriation 7745, our general research appropriation. During these years as the results of our research and management began to make substantial returns to the industry, we also obtained some \$6,500. from private sources, principally members of the industry who were enthusiastic about the quality and character of our work. In most instances these contributions were limited to certain phases only of our work.

We have refrained from requesting additional funds or a new appropriation until we believed we had obtained sufficient information to continue the high rate of return to the industry that our previous research had made possible. We believe that we have reached that point now when it would be highly desirable for the shellfish industry to have a substantial increase in our management program. This can be accomplished only by increased appropriations.

During the years since 1946, our shellfish program, despite the fact that it was handicapped by very limited funds, has returned many times the investment in information on practical problems. We have developed the tools for evaluating many of these problems as well as the means for carrying on work to improve conditions. However, our efforts have had to be confined to

experimental areas. Altogether these experimental areas represent only a small percentage of the total area occupied by our inter-tidal shellfish resources.

It is proposed that the coast be divided into 3 major areas as follows: (1) from Eliot to the Sheepscot River (2) from the Sheepscot River to Blue Hill Bay exclusive of the east shore of that bay and (3) from the east shore of Blue Hill Bay to Robbinston.

At present we have one field biologist east of the Penobscot River and one west of the Penobscot. These men would be in general charge of the shellfish management work utilizing the assistance of the 3 area teams. Each of these area teams would consist of a Biology Aide, or comparable scientific classification, who would serve as leader in his area. He would be assisted by a Laborer II (this classification is used because there is lacking an adequate classification at the present time.) The third member of the team would be on a seasonal basis and would be employed from approximately the middle of March to the middle of December.

Our past efforts have had to be confined largely to experimental activities in rather limited areas. The principal exception to experimental limitations has been our quahog management program which has been carried out on a commercial basis since we completed our seed quahog dredge. Even this function is currently limited to about 25 percent of seed stock capacity because of lack of operating revenues. The last five weeks of operation was possible only as the result of the financial generosity of the Blount Seafood Corporation of Warren, Rhode Island.

Although our knowledge of shellfish problems has reached the point where we can make rather specific recommendations to improve the fishery, the implementation of these recommendations will require substantial increases in our available funds. It is to implement these recommendations that we now request this shellfish management program appropriation.

The apparent trend toward ecological and climatological changes behooves us to be prepared for marked changes in shellfish populations and management practices. Without a substantially expanded shellfish research and management program, we are going to be ill prepared to meet these new and changing problems.

The U. S. Fish and Wildlife Service Clam Investigations with headquarters at Boothbay Harbor is making substantial progress in fundamental biological research. Without their program, our own efforts would not have been so highly successful. Their work and ours is most carefully co-ordinated as is our combined efforts with those of the Fisheries Research Board of Canada, the Massachusetts Division of Marine Fisheries, the Rhode Island Division of Fish & Game and the Chesapeake Biological Station.

In addition to publications of the Department that cover in part our shellfish management program, newspapers, trade publications and other periodicals have also carried feature stories on our activities.

RL

STATE OF MAINE

DEPARTMENT OF SEA AND SHORE FISHERIES

MEMORANDUM

Date November 29, 1954

To ALL WARDENS, SUPERVISORS, INVESTIGATORS *Chief Warden Green*
From Ronald W. Green, Chief Warden *Underwood.*
Subject Clam buyers and dealers

Please forward to this office, to arrive by December 6, names and addresses of clam buyers and dealers in your patrol.

We are principally interested in those who pick up at the flats.

DEC 3 1954

✓ *THURSTON + BAYLEY* of Pine Point post office Old Orchard Beach, R.F.D. #1
✓ all clams received by them come from Lincoln + Washington Cos. they have one digger at P.P. who may average 6 pks a week which he brings to them

✓ *EDWARD LATHROP* of Pine Point, R.F.D. #1 Old Orchard Beach he gets all his clams from *Cremer*

✓ *Joe Lathrop* R.S.F.D. of Pine Point R.F.D. #1 Old Orchard Beach bought quite a bit from local diggers during the summer dug from the Goose Fair Brook area but before that and after Labor Day buys all from Ed. Lathrop + a Hl now and then from *Thurston + Bayley*.

STATE OF MAINE

DEPARTMENT OF SEA AND SHORE FISHERIES

MEMORANDUM

Date November 29, 1954

To ALL WARDENS, SUPERVISORS, INVESTIGATORS

From Ronald W. Green, Chief Warden

Subject Clam buyers and dealers

Please forward to this office, to arrive by December 6, names and addresses of clam buyers and dealers in your patrol.

We are principally interested in those who pick up at the flats.

Bryant Tedenseller
West Waldoboro
npe.

✓ Bryant Tedenseller buys Clams at Storer's wharf, in Waldoboro, and at Baep Cove in So. Waldoboro for Tom Winchbacher of Breeman. DEC 3 1954

At the present time there is no buyer coming into Inwoodship or Cushing, as the Clams they could pick up were so few that it does not pay to put on a Trawler.

The few Clams that are now being dug in Inwoodship and Cushing, are taken in to The Rockland Shell Fish Co. by the diggers in their Cars, or to Tedenseller at Waldoboro. This situation could change overnight, but at present this is it. Fred A. McLaughlin

TR

STATE OF MAINE

DEC 3 1954

DEPARTMENT OF SEA AND SHORE FISHERIES

MEMORANDUM

Date 11/30/54

To Ronald W. Green, Chief Warden

From Daniel Johnson, Warden

Subject Clam buyers and dealers

- ✓ Carl Mitealf Jr., Lubec
- ✓ Lloyd Clark - - Lubec
- William Campbell Lubec
- East Machias Canning Co, East Machias
- ✓ Eric W. Kelley, Jonesport (buys at Cutler + Whiting)
- ✓ Maine Shellfish Inc. Ellsworth (buying at Cutler)
- ✓ Edward C. Gately Machiasport (did buy at Machiasport)
- ✓ Wila F. Wood Machiasport (did buy one trip)
- ✓ Percy Wood, Larrabee (buys at Machiasport + Bucks Harbor)
- ✓ Benard Wood Machiasport (buys at Machiasport)
- ✓ Basil Smith Machias (buys at Kennebec + Roque Bluffs)
- ✓ Freeman W. Preston Sr. (Machias (buys at Roque Bluffs))
- ✓ L. A. Fish Co. Jonesboro

All buy from diggers
 Other buyers come to buy when steamer
 trade is going on.

DEC 2 - 1954

STATE OF MAINE
DEPARTMENT OF SEA AND SHORE FISHERIES
MEMORANDUM

DEC 2 1954

Date Nov. 30, 1954

To P. W. Green chief warden
From B. E. Davis warden
Subject clam buyers & dealers

✓ John Garnett	Steuben, Me
✓ John Hodgkins	Harrington, Me
✓ J. Harry Jedrey	Harrington, Me
✓ Charles Gross	Addison, Me
✓ Jonesport sea food co.	Jonesport, Me
✓ Eric Kelley	Jonesport, Me
✓ Jerome Crowley	Beals, Me
✓ Oscar Carver	Beals, Me
✓ The Maine Shellfish Co. (Arthur Robinson) agent	Jonesport, Me

DEC 1 1954

MEMORANDUM

Date 11/30/54

To Ronald W. Green Chief Warden

From Ernest H. Woodward ~~Supervisor~~ Supervisor

Subject Clam buyers & dealers operating present time

- William Campbell — Lubec
- ✓ Lloyd Clark — Lubec
- ✓ Carl Metcalf — Lubec
- ✓ Edward Gately — Machiasport.
- ✓ Bernard Wood — Machiasport.
- ✓ Percy Wood — Larrabee - Machiasport.
- ✓ Freeman W. Preston Jr. — Roque Bluffs - Starbuck, Machias
- ✓ Basil Smith — Machias.
- ✓ L. A. Fish Co. — Jonesboro, { Union
- ✓ Eric Kelley — Jonesport { Oscar Prescott Machiasport
- Wonesport Seafood Inc. — W. Jonesport & Jerome Crowley, Supplemental
- ✓ Charles Gross — Addison.
- ✓ John D. Hodgkins — Harrington
- ✓ Harry Gedric — Harrington
- ✓ Mattie P. McLain — Millbridge.
- ✓ Eva M. Garnett — Station (John Garnett)
- ✓ Stavis Ipswich Clam Co. — W. Sullivan / Oscar Gordon
- ✓ Maine Shellfish — Ellsworth, and William Robinson Jonesport.

Rays, Looks, Wyman, Packers not operating.

Lamoine, Stonington
Sedgwick and others
will be reported by
Prubham.

I believe this is all that
are operating at present time.
Ernest H. Woodward

STATE OF MAINE

DEPARTMENT OF SEA AND SHORE FISHERIES

DEC 1 1954

MEMORANDUM

DATE 11-30-54TO Ronald Green, Chief WardenFROM John AndersonSUBJECT Clam Buyer + Dealer - Patrol No. I

Have no buyer or dealer, who picks up
at the flats in patrol I.

James Tyler of Wells, buys + all shucked clams
from Thurston + Bayley at Pine Point. Have
no shucking + canner outfit in this patrol now.

State Archives

STATE OF MAINE
DEPARTMENT OF SEA AND SHORE FISHERIES

DEC 6 1954

MEMORANDUM

DATE Nov. 30, 1954

TO Ronald W. Green Chief Warden
FROM Myron J. Crowley Coastal Warden
SUBJECT Clam Buyers and Dealers

There aren't any clam buyers or dealers
in my patrol.

The clam diggers here at Unalhaven
and North Haven send their clams to Rockland
on the Ferry to dealers in Rockland and
Owl's Head.

State Archives

STATE OF MAINE

DEPARTMENT OF SEA AND SHORE FISHERIES

DEC 2 1954

MEMORANDUM

Date Dec. 1 1954

To Chief Warden.
From Ralph M. Pinkham
Subject Clam buyers and dealers.

- ✓ 1 Maine Shellfish Ellsworth Me.
- ✓ 2 Dow Shellfish Sargentville Me.
- ✓ 3 Curtis Beansides Deer Isle Me.
- ✓ 4 Edgar Crozier Stonington Me.

State Archives

STATE OF MAINE
DEPARTMENT OF SEA AND SHORE FISHERIES

DEC 6 1954

MEMORANDUM

DATE Dec 1 - 1954

TO Chief Warden Renold Green
FROM Coastal Warden Chas Boetch
SUBJECT Clam Buyers

- ✓ Raymond Brown - West Point, Wholesale, picks up at flats, stopped buying Labor Day.
- ✓ Ed Gray, Parker Head, Wholesale, picks up at flats
- Bernard Wyman, Parker Head, Retail does not buy at flats
- ✓ Arthur Moore, Parker Head Retail does not buy at flats
- ✓ Maurice Hinkley Jr. Georgetown, Wholesale picks up at flats
- ^{P. TIMMONS}
✓ ^{Thos} Timmons, Wiscasset, formerly of Woolwich picks up at flats
Woolwich

RS

STATE OF MAINE

DEPARTMENT OF SEA AND SHORE FISHERIES

DEC 3 1954

MEMORANDUM

Date Dec. 2 1954

TO Chief warden - Ronald Green
FROM Swansea Burns - warden
SUBJECT Clam buyers and dealers

✓ Arthur Delano 210 High Street Bath Maine
✓ George Laskey 945 High Street Bath Maine
These two pick up clams at the flats.

Maine

State Archives

RL

STATE OF MAINE

DEPARTMENT OF SEA AND SHORE FISHERIES

DEC 3 1954

MEMORANDUM

Date Dec. 3rd 1954

To Ronald W. Green Chief Warden

From William W. Billings, warden

Subject Clam buyers & dealers

I have two clam dealers that pick up from the flats.

- ✓ 1. Donald MacLean, Milbridge, Me.
- ✓ 2. John Barnett, Steuben, Me.

Bue

State Archives

STATE OF MAINE

DEPARTMENT OF SEA AND SHORE FISHERIES

DEC 6 1954

MEMORANDUM

DATE Dec 2nd

TO Chief Warden Ronald Green
FROM Warden Marshall Rice
SUBJECT Clam dealers.

✓ At this time I have no clam dealers in my patrol who pick up at the flats. Darling's Market. East Harpswell buys clams from diggers but at the store only. Fred Graves of Harpswell centers shucks his own clams and Ernest Prindall and George Lashy buy quahogs only.

STATE OF MAINE
DEPARTMENT OF SEA AND SHORE FISHERIES

MEMORANDUM

DEC 6 1954

Date December 2, 1954

To Ronald W. Green, Chief warden

From Norman C. Woodward warden South Bristol

Subject List of Clam Buyers and Dealers in my patrol

- ✓ Myron Chase R.F.D. Waldoboro. Picks up at flats at Dutch Neck
Gross Neck, Broadcove and west
Waldoboro. (Agent for T. Winchen-
bauch).
- ✓ Bryant Levenseller
R.F.D. Waldoboro. Picks up at wharf at Waldoboro
bridge and down east side of Med-
onak River. He picks up in Warden
Mcglauflin's Patrol. (Agent for T.
Winchenbauch).
- ✓ Lorin Hanna New Harbor. Picks up at flats
- ✓ Leroy Prior Round Pond Dealer. (Does not pick up).

STATE OF MAINE

DEPARTMENT OF SEA AND SHORE FISHERIES

DEC 6 1954

MEMORANDUM

Date Dec 3, 1954

TO Ronald W. Green Chief Warden
FROM David H. Davis Warden
SUBJECT Clam buyers and dealers

✓ Paul Cramer. buys Clams at his place of
business at North Edgecomb.

Maine
State Archives

STATE OF MAINE

DEPARTMENT OF SEA AND SHORE FISHERIES

DEC 2 1954

MEMORANDUM

DATE Dec 3 1954

TO Ronald W. Yew Chief Warden
FROM Owen Richardson Supervisor
SUBJECT Claw buyers and dealers.

Arthur Delaw Bath
Edward Gray Parkus head
Maurice Hinkley Jr. Georgetown

Maine

State Archives

STATE OF MAINE
DEPARTMENT OF SEA AND SHORE FISHERIES

MEMORANDUM

DEC 6 1954

DATE December 3, 1954

TO Ronald Green, Chief Warden

FROM Warren Hume

SUBJECT Clam buyers and dealers

✓ Louis Gianakas, Ellsworth buys clams on the flats

✓ Maine Shellfish Company buys clams from dealers and diggers. (Ellsworth.)

✓ Jerry Boynton, Ellsworth, R.F.D. #2 Shucking House

✓ Stavis Clam Co., Sullivan, buys clams from diggers and dealers.

Warren A. Hume.

STATE OF MAINE

DEPARTMENT OF SEA AND SHORE FISHERIES

DEC 6 1954

MEMORANDUM

DATE December 4, 1954

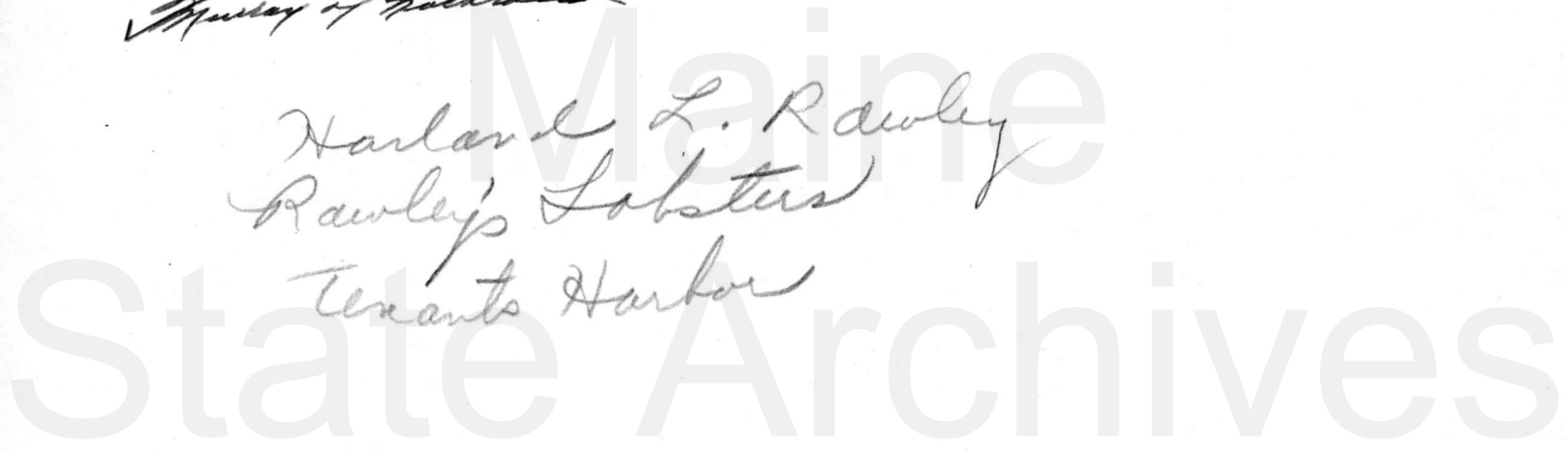
TO Ronald W. Green - Chief Warden

FROM Paul C. Knight Jr - Warden

SUBJECT Clam leases & duties

- ✓ Harland Rawley - Tenants Harbor
- ✓ Allison Spurr - " " " "
- ✓ Frank Simmons - Spruce Head
- ✓ Arnold Ward of Cushing - buying on supplemental for William
- ✓ Murray of Goodland

Harland L. Rawley
Rawley's Lobsters
Tenants Harbor



STATE OF MAINE

DEPARTMENT OF SEA AND SHORE FISHERIES

DEC 7 1951

MEMORANDUM

DATE Dec 5TO Chief Warden GreenFROM Harold RickerSUBJECT Clam buyers & dealers

I have no clam dealers who pick up clams on the flats.

The clam buyers are -

- ✓ Raymond Howe - 23 Central Wharf
- ✓ Norman Howe - 5 Custom House Wharf
- ✓ Ruby Levellam - 50 Portland Pier
- ✓ Maine Lobster - 378 Commercial St.
- ✓ M. J. Leaherty - 228 Commercial St.
- ✓ Robert Miller & Sons - So. Portland (They buy them in the shell when they can get them)
- ✓ Bespakt Fillet Co. - 63 Portland Pier (They buy shucked clams)

STATE OF MAINE

DEPARTMENT OF SEA AND SHORE FISHERIES

DEC 7 1954

MEMORANDUM

DATE Dec 5, 1954

TO Ronald Green Chief Warden

FROM Chester C. Brown

SUBJECT Names of Clam Dealers

✓ Fred Butler

Seal Cove

✓ Sheldon Smith

Bernard

Maine

State Archives

STATE OF MAINE

DEPARTMENT OF SEA AND SHORE FISHERIES

DEC 7 1954

MEMORANDUM

DATE: Dec 6 1954

TO: P. W. Green Chief Warden
FROM: Clayton Simmons Coastal Warden
SUBJECT: clam buyers and dealers

listed below is a list of clam buyers and dealers in my patrol

✓ Bill Murry dealer 48 South St Rockland,
✓ Ernest Watling Camden St Rockland dealer
✓ Levi Grant Stockton Springs Dealer
✓ Hugh Tommeroy Stockton Springs Dealer
✓ Raeph Hall Stockton Springs Dealer
✓ Hugh Dodge Islesboro buyer
Island Products, Islesboro Dealer

Hugh Dodge is the only one of these that picks up at the flats. Bill Murry has a buyer that picks up for him at Thomaston, but he is in Woyake's Patrol
Raeph Leach Dealer Islesboro

MAINE SHELLFISHERIES ASSOCIATION MEETING

May 1, 1956

A meeting of the industry members was held May 1, 1956 at 1:00 p.m. in the Legal Affairs Hearing Room of the State Capitol Building. Industry members present were: Edward G. Miller, President, Bepakt Fillet Company, Portland; John B. Putansu, St. George; James Entwistle, Jr., Spruce Head Lobster Corp., Spruce Head; Herbert Rose, Burham & Morrill Company, Portland; Vernon MacFadden, William Underwood Company, West Jonesport; Maynard J. Thibodeau, Thibodeau's Seafood Market, Five Islands; James Johnson, Ipswich Shellfish Company, Ipswich, Massachusetts - another Johnson whose first name was not obtained attended with James Johnson ; and Ed Myers of the Saltwater Farm, Inc. Damariscotta.

The U. S. Fish and Wildlife Service was represented by John Glude, Chief, Clam Investigations, Boothbay Harbor and Bob Hanks. The Department of Sea and Shore Fisheries was represented by biologists Malcolm Richards, Donald Harriman and Norman Bailey; bacteriologists Phillip Goggins and John Hurst; Director, Marine Research, Robert L. Dow; Shellfish Specialist Dana E. Wallace and the Chief Warden Ronald Green.

A brief resume of points of view which were brought up at the meeting by the various people present follow:

Research Director Robert L. Dow opened the conference with a resume of the aims and objectives of the Research Division as they pertain to the management of our shellfish resources. He stressed the Department's role of working with the industry on their problems and the cooperative nature of our work with the people in Canada, the U. S. Fish and Wildlife Service and state agencies.

Biologist Norman Bailey gave a resume of his work in the Bristol-South Bristol area describing the nature of the flats and told of the intensive predation of the green crabs near the channels and in areas of flats adjacent to the shore mentioning

places where green crabs can hide during the low water period.

Norman told of the Department's activities in Chebeague Island, the problem of shifting sands on Chebeague Island Bar and the considerable number of small seed clams found in one of the coves and our plans for protecting this small cove with a fence.

Biologist Donald Harriman spoke of the Department's work in Waldoboro and observations that production is continuing in their flats where gravel, rocks and coarse sediments predominate and where green crabs apparently cannot successfully dig out the clams. He spoke of the Department's interest in doing work where good sets of small clams exist and where there is an active group who will participate in the projects. He cited that in the Boothbay region there were several flats where management work might be carried on, but there was a lack of interest among the diggers or town's people. He mentioned that he has done survey work in eight towns and committees have been set up in five towns.

Biologist Malcolm Richards gave a general review of conditions in his area saying that he had carried on surveys and spot checks in nineteen towns. Shellfish meetings had also been held in nine of these towns. He pointed out that in forty-eight surveyed areas, there were twenty-four that have five per cent or less of small clams less than an inch in the flats and that in only six of these areas checked are there a good distribution of clams. He further pointed out that some of these areas had been dug repeatedly and he felt that this contributed to their lack of production. However, survival of sets in these areas is apparently not good giving indications of low yield in the future.

Malcolm explained that one of the areas where he did find a lot of small clams was Brooksville and here in one flat eighty-seven per cent were under two inches. However, he said that this was an unusual situation.

Malcolm mentioned the survey that he did in Jonesboro showing great evidence of green crab predation. He told how the town had gone ahead and closed a section

of flats with few small clams and that in this same flat we had found green crabs digging out legal size clams.

Malcolm explained the situation in Three Brooks flats where there was a big natural set in 1953 and 1954 and the amount of damage that the marine worm diggers had inflicted on the population. He explained our success in forming a management committee, but our failure to close the area because of marine worm diggers operating in the area.

Norman Bailey mentioned working in the towns of Wells, Bristol, South Bristol, Chebeague Island, Freeport, Brunswick, Harpswell, West Bath and Phippsburg, as well as aiding Donald Harriman in the work in Waldoboro and Bremen.

Donald Harriman mentioned either checking flats or doing surveys in the towns of Waldoboro, Bremen, Boothbay, Boothbay Harbor, Southport, Cushing, Friendship, Islesboro, Vinalhaven, Searsport and Stockton Springs.

Malcolm mentioned doing work in Castine, Brooklin, Gouldsboro, Jonesport, Jonesboro, Harrington, Addison, Steuben, Milbridge, Lamoine, Machiasport and Cutler.

Mr. John Glude, Chief, Clam Investigations, U. S. Fish and Wildlife Service, Boothbay Harbor, spoke of our cooperative ventures and the fact that the emphasis of the work of the Clam Investigations in Maine had been changed within the last three years with a current concentration of effort on learning about and controlling green crab predation. He outlined the policies of his division by doing investigational work and then continuing work on the lines that appear to be productive to the industry. He pointed out that it was always the aim to cooperate with the State. He listed the various approaches that are being made in attacking the green crab problem mentioning: (1) study of parasites with the background work being carried on by Dr. Stunkard and the hope that parasitic control may be possibly evolved in the future, (2) predators - the phenomenon that has occurred with the spread of the green crabs and yet their numbers remaining the same or even more in their

old habitat south of Cape Cod, (3) effect of winters. He reviewed temperature changes on the eastern seaboard and the correlation with green crab abundance and talked of the experimental trapping in different sections of the coast, (4) general biology of the green crabs. Here John spoke of their food requirements, feeding habits, migration, etc., (5) diseases - John explained that Walter Welch had found green crabs that appeared to be sick and Phillip Goggins had isolated bacteria that possibly were causing the disease. John said that a followup of these observations should be made, (6) poisoning - John mentioned our experiments with lindane and the fact that one part in ten million parts of water was sufficient to kill green crabs. He explained our coming project in Wells, (7) fencing - John explained this as being most productive so far and explained the development of the fence and how we were experimenting with it.

Mr. Robert Dow, Phillip Goggins and John Hurst spoke of the shellfish sanitation meeting held at Lawrence, Massachusetts, and their work with scores and the background of the sanitary and quality control work. Robert told of the mussel recommendations and the experiments in shipping. He mentioned the work that we plan to do with the harvesting, handling, packaging and shipment of clams.

Phillip mentioned in some detail the mussel experiments with the increase in pollution counts regardless of shipping containers and the foundation of their selecting 10,000 MPN's as a standard of acceptance. He mentioned if scores were found by the receiving authorities greater than this, the shipping states would be informed and checks made of the growing areas, handling procedures, etc.

Phillip mentioned the hot dip method and the possibility that moderately polluted clams might be rendered acceptable to the Public Health Service and commercial industry. He spoke of using a three-second dip and then a plunge into cold water as with this treatment the clams would regurgitate most of their bacteria and that scores would be brought down approximately eighty-two per cent.

He explained that if this method was used commercially, it would be necessary to keep the clams in a cold room for twenty-four hours in order to get a test of the scores preliminary to releasing them to the commercial markets.

Jimmy Johnson of the Ipswich Shellfish Company, Ipswich, Massachusetts, remarked that hot-dipped clams did not keep as well as raw shucked clams and that the yield was lower. He said that it was found that when they were hot dipped, they had to be put immediately into cold storage and the temperature brought down as quickly as possible or there would be a build up in bacteria with higher scores resulting.

Phillip pointed out the number of closed areas that we have and that of the fifty-five closed areas, twenty-nine areas had been studied with openings during the last year in fifteen areas. Robert explained that areas would have to be posted where sewage came down into the flats even if the entire areas were not closed.

Mr. Herbert Rose of the Burham & Morrill Company in Portland asked about the successful type of flange that we used on the fencing.

Mr. Thibodeau of Thibodeau's Seafood Market of Five Islands talked about the increase in pollution in the Kennebec River and expressed the fear that this would grow worse in the future. Phillip Goggins agreed that undoubtedly the pollution load was increasing.

Mr. Ed Myers of Saltwater Farm, Damariscotta, asked about the policy of the Department of Development of Industry and Commerce toward additional industries on the rivers. We replied that we could not, of course, speak for that Department, but that we knew in the past they had not been too concerned about industrial pollution in tidal waters or reticent in suggesting to industries that they locate in tidal areas.

Mr. Jimmy Johnson brought up the problem of pollution as it affected clams and cited that Boston Harbor although heavily polluted was very rich in the production of clams and discussions ensued regarding the commercial and monetary aspects of

pollution and sewage disposal. John Hurst pointed out and explained, as did Phillip Goggins, the advances that were being made, particularly in New Jersey and Rhode Island in sewage abatement.

Robert mentioned Belfast and the problems facing that community in regards to their swimming pool and the pollution by chicken waste and the loss of income to the commercial fisheries in the area.

It was pointed out that there are only two disposal plants on the coast; the one at Ogunquit and the one at Freeport. Mr. Johnson related that Ipswich had a problem of sewage disposal that could have been economically dealt with in 1946, but that now it was considered to be too expensive to go ahead with the plans.

Mr. Edward Miller, president of the Bepakt Fillet Company, Portland, mentioned Portland Harbor and said that the laws should be strong enough to prevent dumping in coastal waters, but that he assumed the costs were prohibitive for treatment. He likewise pointed out that it would be highly desirable to have all clams put through so-called "inspected" and legitimate shucking houses saying that the price would thus be better equalized and the public would be sure of a better product. Mr. Johnson seconded this comment and cited his attempts to sell clams in Portland and Bangor and having to compete with home-shucked uninspected clams. He further commented that most home-shucked clams wound up in industrial commerce. Robert pointed out that because of this and Legislative passed bills allowing bait digging from polluted areas we were frequently reprimanded by the Public Health Service.

Mr. Miller said that what we needed was an educational program in order to sell the industry and the public on the desirability and cleanliness of rigin inspection, etc. Robert told of the matter of quality control and Mr. Johnson said that the oyster industry recognized the importance of quality. Mr. Miller talked of buying clams from Maryland. John Hurst spoke of the wisdom of eliminating all new pollution entering streams or coastal waters and the importance of community

awareness of the problems. Robert mentioned the adverse affect of tourist business on the polluted areas. Mr. Thibodeau asked about pollution and lobsters.

Paralytic shellfish poisoning was commented on by Mr. Johnson and the attitude of Pure Food and Drug about the canning of clams.

The law regarding the transportation of shellfish, particularly clams, in the shell through ICC channels was attacked. Mr. Johnson commented that it was not enforceable and said dealers were evading the law. He believed that it was the only commodity that a person could legally own and not be able to ship the commodity himself thus necessitating shipping by common carrier. Mr. Myers remarked that it would not be well to repeal the law unless it could be replaced with something better. Mr. Johnson talked about clams being brought from Virginia and Maryland into Maine and he suggested that we get rid of the one-bushel shipment law if it could not be enforced believing that either no shell stock was to be sent out of the state or it should be allowed free shipment.

The nature of laws was brought up and Jimmy Johnson used the expression "your" laws. Robert pointed out that we had objected to the interstate shipment of soft shell clams law at the time that it was imposed and we felt that its only vitue was that in its earlier days it did make for a better looking package being shipped in the one-half bushel containers as was required. He said furthermore that we felt that it was our job to make recommendations regarding the utilization of the resources and not to lobby for and against a bill that was presented in the Legislature.

Robert commented that people working in the fishery research in this state, other states, Canada, etc., did so for the most part because of their interests and made recommendations in accordance with their findings and beliefs and not because of any personal or monetary gain. Jimmy Johnson conceded that people must be in essence dedicated people to do this type of work and he thought that the work of the Department ^{and} others was well thought of and appreciated.

Mr. Johnson said that it cost approximately a dollar a bushel to ship clams by common carrier over and above the cost if they use their own trucks.

Shellfish Specialist Dana E. Wallace reviewed the Canadian research work very briefly pointing out that Canadian production had gone from approximately two million pounds of meats in 1945 to six million pounds in 1950 and had since that time slumped to approximately one and one-half million pounds. He said the Canadians consider that the most important thing that had affected this slump in production was the repeated digging of their flats with the attendant digger breakage and mortalities occasioned by the frequent digging. He explained that the Canadians had done research work regarding the predation of gulls, flounders, boring snails and were currently making observations regarding green crabs. He said that they had taken into consideration unknown disease conditions which had apparently affected their production similar to the conditions in Hancock County a number of years ago. However, he said they felt that their slow growth rates, natural mortalities of ten or fifteen percent each, mortalities of fifty per cent of the residual stocks caused by the digger and an efficiency of only approximately sixty percent meant that digging was their big problem and, therefore, they were carrying out experiments in the use of a mechanical digger such as is being used in Maryland and Virginia.

He explained that although they were not going to continue to press the commercial diggers for seasonal closures, they were highly in favor of this move and they likewise believed that it would be most practical and of benefit to the industry if the minimum size restriction of two inches could be removed.

He told of the Department's work with the quahog dredge, Venus M., in the Casco Bay towns transplanting 9,865 bushels of quahogs and that this work would continue with modifications being made on the dredge and that the Department hoped to make it more efficient and effective with the cooperation of the Casco Bay towns and the Shellfish Management Council.

It was agreed that the meetings with the industry were of profit and benefit to everyone and that they should be continued. It was suggested that in the fall would be a good time to hold another get-together with industry members and give progress reports on the summer's activities and discuss future plans.

It was decided that November 27 would be a good time for the next meeting.

After the meeting, Mr. Thibodeau said that the town of Georgetown had approximately \$400. that could be used for shellfish management work and that he would be interested in having the town make this money available for clam seeding, fencing, or whatever seemed desirable. Arrangements were made with Norman Bailey to go with Mr. Thibodeau to check the seed concentration in the upper part of Robinhood Cove and make plans for the transporting of seed to the Sagadahoc Bay flats. John Glude thought highly of this plan as did Robert Dow when we discussed it with him.

DANA E. WALLACE
Shellfish Specialist

5/56

Department of Sea and Shore Fisheries
Vickery-Hill Building
Augusta, Maine

SHHELLFISH DEALER AND PROCESSORS 1960 APPLICATIONS

Leonard A. Lunt
Frenchboro

Crawford Lobster Co.
Badgers Island
Kittery

E. C. Palmer, Inc.
37 Custom House Wharf
Portland

Glenn and Eugene Farris
Cutler

Ayer's Fish Market
43 Main Street
Camden

New Meadow's Lobster Pound
60 Portland Pier
Portland

Maine Shellfish Co., Inc.
Water Street
Ellsworth

F. H. Snow Canning Co., Inc.
Pine Point

William R. Murray
48 South Street
Rockland

Howes Lobster Pound
5 Custom House Wharf
Portland

Boothbay Hbr. Crab & Lobster Co., Inc.
Atlantic Ave.
Boothbay Hbr.

L. Clyde Conary Inc.
Stonington

Frank E. Farrin
So. Bristol

Smith's Seafood
Otter Creek

Stanley Fisheries
Manset

Joseph G. Coppola
So. Maine St.
Seabrook, N. H.

Quahog, Lobstermen's Co-op Inc.
R.F.D. #2
Brunswick

Cyr Bros. Meat Packing, Inc.
P. O. Box 149
Caribou

D. H. Look & Sons
Addison

Products Incorporated
Camden

Saltwater Farm, Inc.
Main St.
Barnstable

Mill Cove Lobster Pound
Boothbay

Rubert O. Miller & Son
11 Dyer St.
So. Portland

E. R. Crozier Co.
Stonington

Curtis Heansler
Deer Isle

Raymond Howe Sr.
23 Central Wharf
Portland

Boothbay Region Fishermen's Co-op Ass'n.
Atlantic Avenue
Boothbay Harbor

Maine's Best Lobster Exchange
Rt. #1, No. Edgecomb

Ipswich Shellfish Co.
Hayward St.
Ipswich, Mass.

Pemaquid Fisherman's Co-op Ass'n.
Pemaquid Hbr.

Frederick B. Young
Searsport Avenue
Belfast

William C. Burge
Box 65, Wharf St.
Rockland

Gilbert's Wharf
New Harbor
Bristol

Murrays Seafoods
P. O. Box 643
Rockland

House of Sea Food
36 Pope Road
No. Windham

Frank Ferreira
62 Berwick Road
Ogunquit

Tom's Ipswich Clam Co.
8 Hammett St.
Ipswich, Mass.

Alley Bros.
Stonington

Flying Yankee Lobster Co.
Box 52, Little Deer Isle

Harvey's Market
14 Church St.
Ellsworth

Roy P. Cluff
Dock Square
Kennebunkport

Thibodeau's Seafoods
Five Islands

Brownie's Seafoods
76 Grove St.
Augusta, Maine

Jerry Boynton
R. F. D. #2, Ellsworth

Jasper Wyman & Son
Milbridge

Crowley's Lobster Pound Inc.
Cor. Yates & Main
Biddeford Pool

P. J. Merrill Sea Food Inc.
681 Forrest Ave.
Portland

George V. Garnache - Shellfish
Brunswick, Maine

Beatrice Lewis
Parker Head, Phippsburg

Don Main
9 Sullivan St. Eastport
Levi M. Grant
Stockton Springs

Hatch Bros.
P. O. Box 337
Wells

Jedrey Clam Co.
Harrington

Independent Lobster Co.
Tilson Ave.
Rockland

Sanders Lobster Co.
54 Pray St.
Portsmouth, New Hampshire

Small Bros. Market
New Harbor

Friendship Lobster Co.
Friendship

Tim's Sea Food Market
General Delivery
Woolwich

Jones Sea Food Mart Inc.
49 Pickering Square
Bangor

Star Beef Co.
77 Railroad Street
Bangor

Alfred W. Pettegrow
Southwest Harbor

Levi M. Grant
Stockton Springs

Thomas Winchenbach
R. F. D. #4
Waldoboro

Henry J. Allen
R. F. D. #1
So. Harpswell

George M. Farnham
West Boothbay Harbor

Staves Ipswich Clam Co.
West Sullivan

Bay Shellfish
Tillson Ave.
Rockland

Hugh A. Pomeroy
Searsport

Russell Dow Seafoods
So. Main St.
Seabrook, N. H.

Creamer's Lobster Pound
No. Edgecomb

Oscar L. Carver
Beals

Black & Gay Cannery
Thomaston

Sprague's Lobster Pound
169 Front Street
So. Portland

Wm. Underwood Co.
85 Walnut St.
Watertown, Mass.

Ray's Lobsters and Sea Foods
R. F. D. #2
Wiscasset

Eric Kelley
Jonesport

Nelson C. Mulloch Sr.
P. O. Box 196
Eastport

Geo. L. Higgins Jr.
Bernard

Loring Hanna
New Harbor

Quoddy Bay Sea Food
81 Washington St.
P. O. Box 184
Eastport

Thurston & Bayley
Depot Square
Pine Point

A. M. Look Canning Co.
East Machias

Cumberland Foods Inc.
P. O. Box 47, Ferry Rd.
Saco

D. J. Long & Co.
Clair N. B.
New Brunswick, Canada

F. D. Fullerton
RFD #1
Waldoboro

Doris E. Darling
Bunganuc Road
Brunswick

Donald MacLean
Millbridge

Shackford & Gooch
Kennebunkport

Gilmore's Seafood
130 Front St.
Bath

Ambrose's Store
R. F. D. #2
Brunswick

Rosford Prior
Bristol

Priscella Ashby
Pembroke

Robert W. Bellevue
Pine Point Road
W. Scarborough

Harland Rawley
Tenants Hbr.

C. E. Fish Co.
Jonesboro

Leander Ashby
237 Valley Street
Portland

Hiram Alley
Beals

Antonie Daigle
R. F. D. #2
Lamoine

Parker Shellfish Co.
88 Birch Street
Biddeford

Lord's Lobster Pound
Mile Road
Wells

Philbricks
York Harbor

Ernest Chase
R. F. D.
Stockton Springs

Delmont Murphy
Box 96
Bar Harbor

Fisherman's Wharf
West Street
Bar Harbor

Stanley's Fish Market
Main Street
Northeast Hbr.

Round Pond Harbor Lobster Co.
Round Pond

Jos. Guerette
6 Meadow St.
Bath

Jerome Crowley
Beals

Donald V. Genthner
R. F. D. #4
Waldoboro

James Tyler
RFD #3
Biddeford

Frederick Dunbar
Southwest Hbr.

Irving Hurd
8 Ballantyne Court
Lincoln

Gustaff Engberg
Station St.
Searsport

Harold Tracy
Searsport

Arthur Hayward
88 High Street
Rockland

Harold Buzzell
147 No. Main Street
Rockland

John Dunbar
Rt. #1
Trenton

Sea-Side Lobster Co.
745 Main St.
Rockland

Maine Shellfish - Association

Kelley--Would have SHELLFISH INDUSTRY MEETING clam law

Marcus--Most clam now run December 20, 1960 then

R. W. Hanks--Market den Boothbay Hbr. why outlaw use? U.S.B.C.F.

W. R. Welch--Difficult to keep under 2" limit "

Byron Young--If law goes W. Coulsboro lose half of diggers Legislature

Paul J. DeRocher--Crosier says Brunswick favor of continued repeal S&SF's problems

John W. Hurst, Jr. it under Boothbay Hbr. selling same as before S&SF

John Anderson--Have smarter Augusta than ten years ago. How would S&SF buy clam they

John A. Dyer--Why, Harrison Brunswick production and good pot Quahog Lob. Co-op, Inc.

Robert E. Wadder--Department's re Harpswell high digging mortality. " " " "

Charles R. Lowrey--More of the Brunswick would over say they were with Rep. of Legislature

Malcolm Richards--not in short Sullivan In another case, closures S&SF protect each

Erric W. Kelley--ought be more of Jonesport E. W. Kelley Seafoods

J. Harry Jedrey--then state and Harrington all clam flats Jedrey Clam Co.

Charles A. Wood--Not without Winthrop agreement and cooperation Div. of Inspect. Agric.

V. P. McFadden--Described W. Jonesport Wm. Underwood Co.

Anthony Look--How does Major E. Machias fare with last year's price A. M. Look Canning Co.

Edward Myers--clam--Available in Damariscottahere Saltwater Farm

Jimmy Marcus--Two inch law at Ellsworthhiped from books--Industry Ipswich Shellfish Co.

Ralph Winchenpaw not worried Friendship clam for packing--Legislator buy what I

1:40 Ronald Green--welcome industry and representatives of legislature. Turned over to Wallace--informal session. can suffer from deterioration of fresh market also.

1:42 Dana--Introduction of persons attending, called for topics of interest.

Erric Kelley--should work for repeal of 2" clam law which buyers are willing to pay Lowrey--What has experience been of large clam increase, we can't

compet Jedrey--Satisfactory to himself, Kelley & Look

Look--What has been effect upon the basic supply you can meet?

Richards--Too early to say about long range effect

Harriman--Searsport-\$50,000 this year, Waldoboro \$15,000, neither available

without repeal

Dutton

Kelley--Would have to go out of business with clam law

Marcus--Most clams now run small-market wants them

Richard--Market demands small clams-why outlaw use?

Kelley--Difficult to keep under limit

Marcus--If law goes back on--will lose half of diggers.

Green--Crozier says she is in favor of continued repeal-some problems

Wallace--Landings are up and price is up at first but has it under control, is handling same as before.

Look--Have smarter men now than ten years ago. How won't buy clams they

Richard--Price used to go up in Eastern part in summer, not this year can't sell. Why, Harriman, such good production and good potential production

Kelley--Now no shortage--Maryland clams keep price down. If local buyer in view of department's reports on high digging mortality.

Harriman--More of what were chewed over anyway were utilized. In that

case, seed was not in short supply. In another case, closure to protect each

young clam might be more desirable.

Look--Then state should control all clam flats

Harriman--Not without local agreement and cooperation

Wallace--Described Wells procedures

Look--How does Major's flat compare with last year's pre-dig distribution

Wallace--Available in office-not here

Look--Two inch law should be wiped from books--Industry would be damaged by

2" law. I am not worried about getting clams for packing-don't have to buy what I

don't want. Also we are faced with severe outside competition which makes our

problems more severe. Canneries can suffer from deterioration of fresh market also.

Dow--Also pollution is encroaching upon producing areas

Kelley--Large clams also problem--cannot meet price which buyers are willing

to pay for them. Perhaps as abundance of large clams increase, we can meet

competition of skimmers.

Dow--What is competitive price difference which you can meet?

Kelley--Now would have to meet hen clam price

Wood--Is general regulation under Maine food law for food processing. There are

some for other products, but no specific mention of clams.

Goggins--Next 5-10 years will see increased pressures for all fisheries.

Jedrey--Also can't get large clams in consistent supply.

Marcus--That least of problems

Jedrey--We are now recapturing some of the market with small clams which will compete with Maryland.

Wallace--Landings are up and price is up

Kelley--Don't understand--now paying less and selling on narrower margin

Richards--Price used to go up in Eastern part in summer, not this year

Kelley--Now no shortage--Maryland clams keep price down. If local buyer has none his competition can provide them, problem is how can digger sell his clams.

Jedrey--Product is better--this year different from any I have seen--no shortage of clams at any time.

Wallace--Has Maryland supply stabilized price?

Jedrey--Yes

Kelley--Not necessarily true all time, clams short temporarily because of weather in Maryland--but price not up

Wallace--Agree that 2" law should go off permanently--general agreement

Wallace--Quality control is important question--is it important to Maine industry?

Kelley--Laws against hom shucking should go back on. Unfair competition.

Look--Should have same rules for interstate and intra state

Goggins--Matter discussed at national meeting--southern states objected on basis of state's rights

Kelley--Can state be embargoed by Public Health?

Goggins--If standards not met--yes--as state or individuals thru Dept. of Agriculture.

Wood--They threatened that few years ago if shoreline condition survey not done

Dow--They score on different standards--now are concerned about dual standard

Wood--Is general regulation under Maine food law for food processing. There are some for other products, but no specific mention of clams.

financing by town beneficial to industry.

Goggins--Next 5-10 years will see increased pressures for all fisheries.

Industry should feel insecure in absence of pollution abatement. Cites chicken slaughterhouse

Kelley--Is Paralytic shellfish poison part of same problem?

Goggins--Not man-made pollution--natural

Kelley--No control?

Goggins--Yes, monitored regularly and closed when necessary

Kelley--Could not home shucker poach here and reflect upon whole industry?

Wood--Must have law before home shuckers can be controlled

Look--Not in fresh business, but they do have good claim for control of home shucking as fair trade.

Wood--Need food processing licenses in general--apply to clams, bakeries, other food products. Would help problems of food enforcement in general.

Dow--Do not remember year of repeal, but did appear at hearing and spoke against it unsuccessfully. At some time law passed permitting digging of polluted clams for bait.

Kelley--Time state stopped using clams as poor farm. They are valuable resource in themselves.

Wallace--Would community be more interested in management if given more control?

Kelley--Influential people in community not interested or aware.

Wallace--Does that indicate private control?

Kelley--No. Sea & Shore in best position. People don't know, and if Sea & Shore Fisheries told them they still wouldn't know.

Green--Research doing good job in some communities. Better expand that activity with local cooperation.

Look-- Have idfferent problem today. Now have S&SF really interested in problems of industry. Have felt that they did not want parasite to tell them how to live. Now commission really interested in problems.

Harriman--If state to do all--must have funds. Political pressures require financing by town beneficial or industry.

Kelley--That comes back to home shucking competition.

Dow--Cited Waldoboro--1955

Wallace--Wells--full time man on management. Quahog tax

Kelley--Who put in bill on 2" law?

Green--How about Winchenpaw

Windenpaw--Will introduce if department draws it up.

Green--Have drafted one at Winchenpaw's request.

Kelly--How about bill on house shucking? and who? How many in favor of such bill?

4 yes 0 no

Winchenpaw--Reasonable fee not objectionable.

Marcus--General food law better

Kelley--Won't be more opposition to general food law? Better change if just stuck to clams.

Green--Many people hurt by restriction when in effect. Even more would oppose

general law.

Jedry--Times have changed since then

Kelley--Problem reasonably well solved by second year of law. Now back where

started.

Wallace--Oil pollution another problem

Dow--Two kinds--direct spills into tide water Brooksville-Maritime Academy spill
clams unpalatable because of oil--6 weeks Scarborough--waste oil dumped--imported from

out of state--Maine only state not outlawing such dumping

Wallace--Any Industry experience?--none

Goggins--Practice of floating clams with lobsters. Generally polluted water.
Common enough to concern Public Health.

Harriman--That practice with oysters initiated pollution control.

Marcus--What about Pembroke? Paralytic shellfish poisoning.

Goggins--Not closed this year--described organism and symptomatology

Winchenpaw--How test?

Goggins--Described test

Wallace--Classification of waters

Lowery--Have advocated B-1 classification for lower Kennebec and Casco Bay for protection of shellfish industry.

Kelley--Understand clams grow better in pollution than elsewhere. With 1% increased in pollution year and pollution abatement not feasible (?) what can state do to keep clams useable

Goggins--Clam cleansing-Kennebec. U V sterilization of oysters in Japan and England. Federal regulatory agency say we can do so if safety can be demonstrated.

Myers--Can Ultra Violet be used on untreated water?

Goggins--Yes

Hurst--Could also be used in clam floating operations

Dow--Cleansing only stop-gap only moderately polluted clams may be used.

Wallace--Any interest in topics not yet discussed

Marcus--Biggest problem on Kitchen shucking and size limits

? --Not yet decided who will present bill

Look--Will it be sponsored by Sea and Shore Fisheries?

Kelley--If by anybody by Department Agriculture

Jedry--If you can provide us with a copy we will get it into legislature.

Kelley--Any other things which industry should be concerned with?

Goggins--Expression of support from group favoring upgrading of shellfish growing areas

Myers--Possibly area pollution control may move clam management away from municipal control toward area and ecological management. What is significant of 1% year?

Dow--Area closed for pollution increased by 14% from 1946-1960

Myers--How can research be done in

Kelley--We should go on record favoring abatement of pollution 5 favor

Green--Oil pollution bill will be introduced. Control of paralytic shellfish poisoning taken from pollution and management funds which are small. At disadvantage-if Commissioner of Agriculture states area unfit Commissioner of Sea & Shore must promulgate regulation closing, then enforce. These programs and surveys to open are costly.

Green--Cost of Pembroke surveys have been high.

Look--Should vote be taken that funds be provided for this activity?

Green--Budget must be in by September. Have requested additional funds for these projects. Would be beneficial if industry would express support for the budget.

Look--Would it be ethical for pertinent parts of budget to be released to industry for support

Green--Yes it could be done

Look--Individuals might place emphasis on requests of special value

Green--A report prepared for Commissioner of Advisory Committee can be provided

Maine

State Archives

MAINE CLAM DEALERS

MAINE CLAM DEALERS (Continued)

Page 2

ADDISON SEA FOODS Addison Maine	GILBERT, F. O. Pemaquid Point Maine	LEWIS, BEATRICE Parker's Head Maine
BAKER PARIS, INC. Barriscotts AYER'S MARKET 13 Main Street Camden, Maine	GOVE, EUGENE East Machias Maine	LOTHROP, EDWARD A. Pine Point Maine
KEENEBOURNE BAY SHELLFISH CO. Tillson Avenue Rockland, Maine	GRANT, LEVI M. Stockton Spring Maine	LUCE, A. D. Yarmouth Maine
LUBEC * BLACK & GAY CANNING CO. Thomaston Maine	HALL, RALPH & KENNETH Stockton Spring Maine	MAINE SHELLFISH COMPANY Ellsworth Maine
WEST SULLIVAN BOYNTON, JEROME B. Ellsworth Maine	HANNA, LOREN New Harbor Maine	MAINE'S BEST LOBSTER EXCHANGE Edgecomb Maine
EDEN & BAKER Pine Point * BURNHAM & MORRILL CO. 15 Water Street Portland, Maine	HARRISON, ELSIE Georgetown Maine	McLEAN, DONALD Milbridge Maine
WALDOBORO CAMPBELL, WILLIAM Lubec Maine	HEANSSLER, CURTIS C. Deer Island Maine	MILL COVE LOBSTER CO. Boothbay Harbor Maine
CLARK, LLOYD Lubec Maine	HEALE, NORMAN H. 5 Custom House Wharf Portland, Maine	MILLER & SON, ROBERT O. South Portland Maine
CREAMER'S LOBSTER POUND Edgecomb Maine	HOWE, SR., ROBERT 23 Custom House Wharf Portland, Maine	MOODY, CLEMENT L. Jonesboro Maine
* EAST MACHIAS CANNING CO. East Machias Maine	ISLAND PRODUCTS CO. Dark Harbor Maine	MURRAY, WILLIAM 18 South Street Rockland, Maine
* FISH & COMPANY, C. E. Jonesboro Maine	JEDREY, J. HARRY Harrington Maine	PERKINS, LEON B. Winterport Maine
GARNETT, EVA Stuben Maine	KULLEY, ERIC J. Jonesport Maine	PORT LOBSTER COMPANY Kennebunkport Maine
GATELY, EDWARD E. Machiasport Maine	LEACH, RALPH Isleford Maine	FRESCOTT, SR., FREEMAN Lubec Maine

* Canned clams

March 15, 1966

SALTWATER FARMS, INC.
Damariscotta
Maine

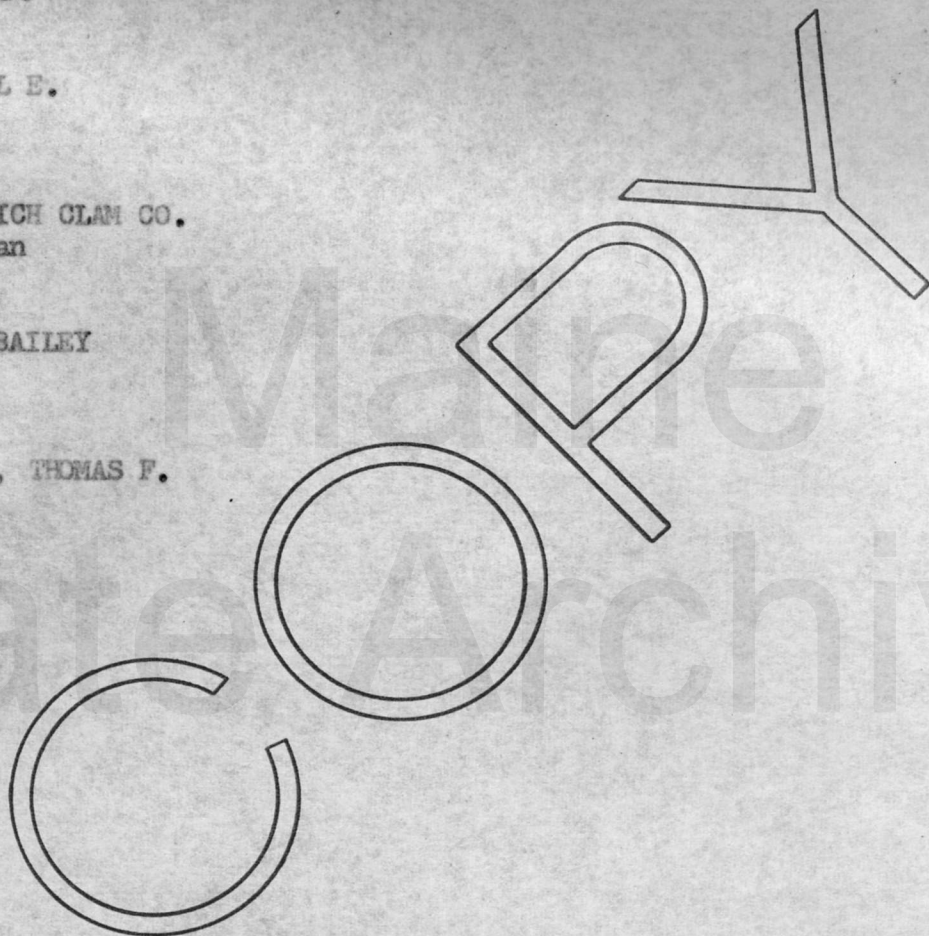
SHACKFORD & COOCH
Kennebunkport
Maine

SMITH, BASIL E.
Lubec
Maine

STAVIS IPSWICH CLAM CO.
West Sullivan
Maine

THURSTON & BAILEY
Pine Point
Maine

WINCHENBACH, THOMAS F.
Waldoboro
Maine



March 15, 1960

Maine Shellfish Association
~~Industry~~

Scarboro Industry Meeting

December 4, 1962

Industry members in attendance in Scarboro and Biddeford Pool were Joe Ashby, Ed Myers, and George Garnache who met us at the Police Barracks and talked at length with Don and I.

Attending from the Department were Paul DeRocher, Brad Sterl, Phil Goggins, John Hurst, Don Harriman, Mac Richards, and Warden Walter Gray. Gray took the group up to Angel's Creek and Rubins Creek, and we observed a tremendous concentration of seed clams. We took one sample plot and counted 268 clams in the square foot. I would guess in this order of concentration covered 2-4 acres in area. This is the same area where clams are currently being dug for our cleansing work at Biddeford Pool. At Biddeford Pool, we heard discussion of the washer and UV equipment by department personnel and also joining the group at Biddeford Pool was legislative representative, Mr. Tinsdale.

Mac Richards gave me the data on the areas that we are documenting at Washington County.

John Hurst wants printed tags that can be used on the baskets for identifying and recording.

Copy for Scarboro Clam file

Maine State Archives