

Shellfish Conservation Committee Minutes

DATE 11/5/2019 TIME: 7:00 PM

MEETING LOCATION: COMMUNITY ROOM

Commission Members:

Attendance: A for absent, P for present

Attendance	Name	Town	Term
P	Harold Hibbard III	North Yarmouth	June 30, 2020
P	Kevin Oliver	North Yarmouth	June 30, 2021
		North Yarmouth	June 30, 2022
P	Judy Colby-George	Yarmouth	December 31, 2020
A	Dillon Hough	Yarmouth	December 31, 2019
P	Ben Tupper	Yarmouth	December 31, 2020

Staff Members:

Attendance	Name	Title/Role
P	Will Owen	Shellfish Warden
A	Richard Plourde	Town Council Liaison
	?	Dept. of Marine Resources

Guests/Diggers : Amanda Moeser, Todd Malloy

Minutes

Votes/Quorum: All final votes of the commission shall require the affirmative vote of a majority of those members present and voting provided a quorum is present. A quorum shall be deemed present if a minimum of four (4) members are present. A CHAPTER 305 10 quorum shall be required for the transaction of all business except that a smaller number can adjourn to another time.

Reviewed Minutes for September, a motion was made and seconded to accept the minutes as amended

Vote taken, 4 for, 0 against, 0 abstain.

Agenda topics

1. DISCUSSION		Warden's Report
See attached.		
ACTION ITEMS	PERSON RESPONSIBLE	DEADLINE
Check with Nat regarding paper streets	Will	12/3

2. DISCUSSION	Survey Results	
<p>Survey results are attached to these minutes for both Lanes and Upper Cousins. There was a question about the long term trend at Lane's Island. We have the data it needs to be consolidated.</p>		
ACTION ITEMS	PERSON RESPONSIBLE	DEADLINE
Look at trends at Lane's Island	Ben	12/3

3. DISCUSSION	Revisions to Licensing Method and Conservation Points, Ordinance Language	
<p>Revised language attached to these minutes.</p> <p>Motion: The shellfish commission will forward the proposed ordinance language to the town manager for his opinion. Moved by Kevin, Second by Judy Vote: 4 for, 0 against, 0 abstain</p>		
ACTION ITEMS	PERSON RESPONSIBLE	DEADLINE
Judy will forward language to Nat for his opinion	Judy	12/3

4. DISCUSSION	Grant	
<p>Will, Ben, Amanda, and Kristie Rabasca went out to do the shoreline survey on October 14. Kristie is an engineer who works with multiple communities to manage their stormwater. She was hired through the grant to assist us on the project. Her recommendations are attached to the minutes.</p> <p>The team was not able to collect samples while they were walking the shoreline. Will is planning to collect samples tomorrow and bring them to the Sewer Treatment plant. The town has kindly offered to test the samples for us as a first pass. Sample locations that show contamination will be resampled and sent to the lab to determine if the bacteria is human or non-human. This will help us to further identify areas of concern.</p>		

During the time we have been working on this project, it has come to our attention that the P90 scores of a point in Freeport (W056) have been very high. This may cause the area around Lane's Island to be reclassified.

Will is going to add Lane's Island and the area around the DMR sampling point to his data collection.

ACTION ITEMS	PERSON RESPONSIBLE	DEADLINE
Water sampling	Will	11/27
Continue data gathering	Judy	12/3

SPECIAL NOTES	New Business
<p>Ben and Amanda have been attending the Gulf of Maine 2050 conference. There have been lots of interesting discussions about how Maine will adapt and change as sea level rises.</p> <p>There will be a Regional Shellfish Working group meeting on November 18. One idea we discussed that might be good to discuss with this group is finding a way to be notified about spikes in water sampling results before the P90 score changes. That way we could be proactive before the P90 score changes.</p>	

NEXT MEETING DATE	Dec 3, 2019
AGENDA:	Agenda for Next Meeting: <ol style="list-style-type: none"> 1. Review Minutes 2. Warden's Report 3. Grant Work – water sampling results 4. Ordinance Language Revisions – Town Manager response 5. Regional Shellfish Meeting report 6. Survey Results – trends over time 7. New Business 8. Set Agenda

TIME MEETING ADJOURNED: 8:10 pm



Town of Yarmouth
Marine Patrol
200 Main Street
Yarmouth, ME 04096
(207) 846-3333 Telephone (207) 846-2433 Fax

Nov 05th, 2019 Shellfish Committee Report

Day Locations Checked: 318
Night Locations Checked: 34
Contacts Made: 3
Worm Diggers: 1
Summonses: 0

A survey was conducted of Lanes Island on the main land side. Results were submitted to DMR.

A shoreline survey was conducted as part of the shellfish committee grant of Whites Cove and Sea Meadows – Sandy Point. Flagging was left for future locations that need to be water tested.

Tomorrow I will be connecting water sampling and having it tested at the Yarmouth Treatment Plant.

Unknown accessibility at the end of Granite Road Ext. The area at the end of Granite Road that used to be town owned access to the water maybe deeded to the abutting landowners. Currently, I am treating it as private property until I hear any further.

Will Owen

Conservation Points:

Little John Survey

Ben Tupper
Kevin Oliver 6 hours
Harold Hibbard 6 hours

Cousins River Survey

Ben Tupper
Amanda Moeser
Dillon Hough 6 hours
Kevin Oliver

Lanes Island

Ben Tupper
Amanda Moeser
Harold Hibbard 6 hours

Survey Results

TOWN: Yarmouth
 FLAT: Upper Cousins River
 CREW: Amanda, Kevin, Dillon, Ben

PLOT SIZE: 1'x2'
 PLOT INTERVAL: 50'
 PLOTS: 52

DATE: 5-12-2019

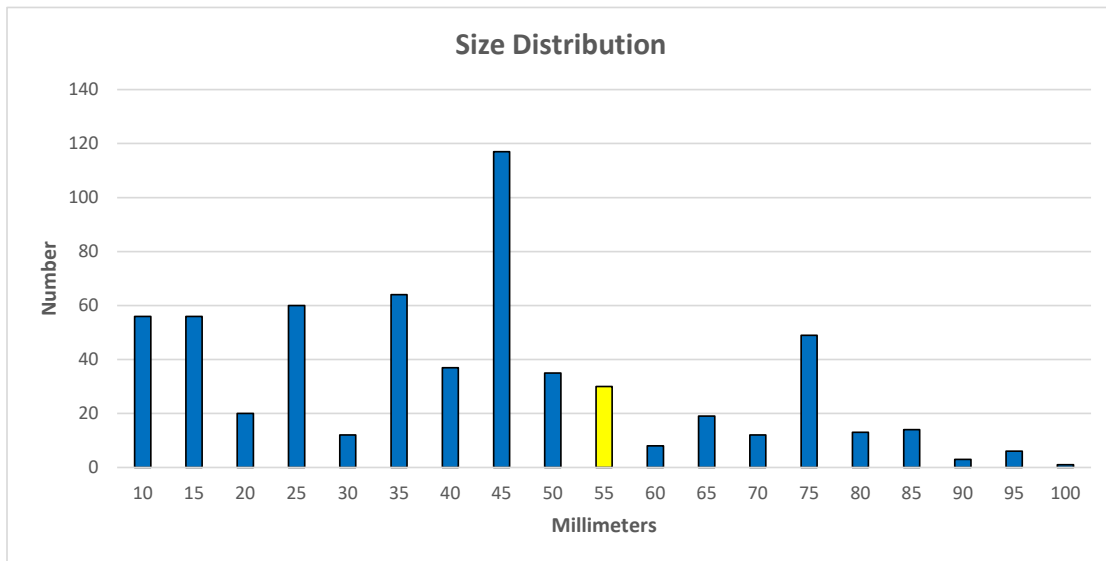
ACRES: 3

Length (mm)	# of Clams	% Number
10-14	56	9.2%
15-19	56	9.2%
20-24	20	3.3%
25-29	60	9.8%
30-34	12	2.0%
35-39	64	10.5%
40-44	37	6.0%
45-49	117	19.1%
50-54	35	5.7%
55-59	30	4.9%
60-64	8	1.3%
65-69	19	3.1%
70-74	12	2.0%
75-79	49	8.0%
80-84	13	2.1%
85-89	14	2.3%
90-94	3	0.5%
95-99	6	1.0%
100	1	0.2%

Total # of Clams	612
Total # of Clams > 50.8mm	190
% of clams > 50.8mm	31.05%
Total Average Bu./Acre	180.06
Total Avg. Bu./Acre > 50.8mm	140.78
Total standing crop (bu)	540
Total standing crop > 50.8mm	422
% of crop > 50.8mm	78.19%

Conversion Inches to Millimeters

.5" = 12.7 mm
 1" = 25.4mm
 2" = 50.8 mm
 2.5" = 63.5 mm
 3" = 76.2 mm
 3.5" = 88.9 mm



Survey Results

TOWN: Yarmouth
 FLAT: Lanes Is.
 CREW: Will, Ben, Harold, Amanda

PLOT SIZE: 1'x2'
 PLOT INTERVAL: 50
 PLOTS: 41

DATE: 9-22-19

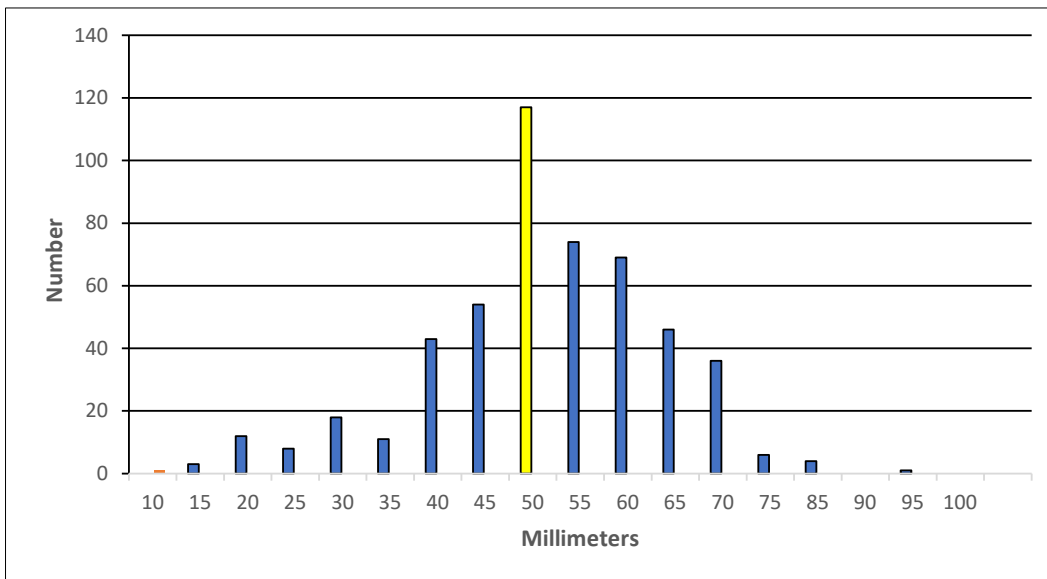
ACRES: 2.4

Length (mm)	# of Clams	% Number
10-14	0	0.0%
15-19	3	0.6%
20-24	12	2.4%
25-29	8	1.6%
30-34	18	3.6%
35-39	11	2.2%
40-44	43	8.6%
45-49	54	10.8%
50-54	117	23.3%
55-59	74	14.7%
60-64	69	13.7%
65-69	46	9.2%
70-74	36	7.2%
75-79	6	1.2%
80-84	4	0.8%
85-89	0	0.0%
90-94	1	0.2%
95-99	0	0.0%
100	0	0.0%

Total # of Clams	502
Total # of Clams > 50.8mm	353
% of clams > 50.8mm	70.32%
Total Average Bu./Acre	227.51
Total Avg. Bu./Acre > 50.8mm	201.21
Total standing crop (bu)	546
Total standing crop > 50.8mm	483
% of crop > 50.8mm	88.44%

Conversion Inches to Millimeters

- .5" = 12.7 mm
- 1" = 25.4mm
- 2" = 50.8 mm
- 2.5" = 63.5 mm
- 3" = 76.2 mm
- 3.5" = 88.9 mm



Draft Proposal

Awarding Available Commercial Licenses

In the event that an unfilled commercial license is available at the time of annual renewal or at other times, license applicants who have accrued approved conservation points are provided preferential treatment in the license issue process. The applicant with the most accumulated conservation points earns the privilege of first refusal for the unfilled license. If that applicant declines the privilege then it is offered to the applicant with next highest number of points, and so on. In the case of a tie the license is awarded by lottery among the tied applicants as outlined in the town ordinance.

Definition and approval of conservation points:

The Shellfish Commission provides prior approval for (a) any opportunities for earning conservation points, and (b) the number of conservation points to be earned for each opportunity. Such activities may include but are not limited to surveys, reseeding events, enhancement projects, invasive species management, environmental monitoring and remediation, or continuing education.

Record of earned conservation points:

The Shellfish Commission will make a public record of newly earned conservation credits in its regular minutes. A detailed long-term record of accumulated earned conservation points will be maintained by the Town of Yarmouth (through its Shellfish Warden or other appointee) and will be available for public inspection upon request. The Shellfish Commission shall publish a summary of the record of accumulated conservation points per individual at least annually.

Removal of individuals from the record:

The Shellfish Commission may remove or bar an individual from the list in cases of death, voluntary removal, relocation, harvest violations, or license violations. The Shellfish Commission will record such removals in its regular minutes.

Shoreline Survey Report

Mainland Side:

- a. Parcel 3-[26, 21 Westcustogo Point](#) has a stream that discharges out onto beach. We observed green algae at this discharge point and all over the beach area. Sample that location, as well as the stream back up on West Custogo (KLR put a point on the outlet side of the culvert). If both locations are “hot”, we will go back further up in the watershed and do more sampling to see where high nutrients are coming from.
- b. Parcels 2-26, 2-27, and 2-23: algae continued onto these parcels in and around beach grass. Also saw white discharges in channels – possible bird feces. Sample one or two channels here.
- c. Parcel 3-15, 134 Whites Cove Road – Owner Michael Loncoski and his dog met with us and discussed he had just purchased property and he and adjacent neighbor replaced their septic systems. Judy should review these parcels again at town hall (3-15 and 3-16, or ask Nick if he has records of plumbing inspections and updated septics. Will to sample at least one seep at this location if he can – he placed a flag.
- d. Parcel 3-17 – also had distinct groundwater discharge with high nutrient green algae on rocks. No flag placed, but Will to sample if he can find it.
- e. Parcel 3-7 32 Russels Hill Road – saw drain pipe (4 inch ribbed HDPE) at east side retaining wall – worth checking with Nick to see if this pipe was part of retaining wall design, or if possible plumbing inspection warranted. KLR added photos to point layer.

Cousins Island:

- a. Parcel 58-22 saw drain pipe on beach, eroding bluff. Additional grant funding to repair with Public Works? Will should swing by occasionally to see if there is any discharge and sample if there is.
- b. Parcel 58-24 – Amanda and Ben saw a pipe – I believe they have given Judy an action item and more detail. Nick should do a plumbing inspection. Will should swing by occasionally to see if there is any discharge and sample if there is.
- c. Parcel 58-27 44 Eagle Lane – Amanda and Ben saw another pipe cantilevered. Nick should do a plumbing inspection. Will should swing by occasionally to see if there is any discharge and sample if there is.
- d. Parcel 59-2, we saw significant foam at the shoreline, at the outlet to a gully. Followed the gully up and found a 4-inch SDR pipe cantilevered out into the gully, just near their tennis court. No discharge occurring at the time of the observation, but Nick should do a plumbing inspection here, and Will should sample the shoreline waters in this area at approximately mid tide (the time we saw the foam).
- e. We saw a 4 inch HDPE drainage pipe next to the stone stairs coming down from 59-5-00A-1 – no discharge was occurring at the time of the observation. No other evidence of potential pollution from the pipe.

- f. Parcel 59-5: not developed, no pipes, but we saw the green algae all through the beach grass as we did on the main land. No specific actions recommended.

Generally:

Judy probably has some budget she can use to get the septic systems all mapped for these two coastal areas, and we might be able to hire an intern next summer through the Colby/Bates/Bowdoin Purposeful Learning Program. Interns provide 300 hours of service, the colleges pay for their time.... I can talk to Steve Johnson about it – and Judy should think about how we can get that done also.

- a. When Will samples, he is going to use his GPS and give Judy the coordinates so we have the sample locations.
- b. When the data comes in, if there are hot spots – I can give Will bottles for Human Bacteroides samples if we want (or if you all want to work with Steve Jones at UNH, he might be interested in helping with the sampling, and doing bacteroides for fowl vs human vs pet.... Let me know on data if you need me.
- c. Final report/graphics by Judy.
- d. Judy – many of the photos are upside down – and for the life of me, even though I downloaded them, deleted them off the GIS, rotated and re-loaded, I could not get them to be right side up. Can you work your magic?