

ANNUAL SHELLFISH MANAGEMENT REVIEW
for the period
January 1st to December 31st, 2005

Municipality: Brunswick

Date: 02/28/06

The Shellfish Conservation Committee submits the following information in partial fulfillment of its responsibilities under Chapter 7 of the Department of Marine Resources Regulations and the Shellfish Conservation Ordinance of this municipality.

Statement of Management Goals and Implementation Actions

The goals of shellfish management for this municipality have been: (check only one of each pair)

- 1) provide a harvesting opportunity for the maximum number of participants
 maximize individual harvest by minimizing the number of participants
- 2) increase the clam resource through various enhancement activities
 maintain a sustainable yield through the vigorous use of production controls
- 3) provide for recreational harvesting in preference to commercial harvesting
 provide for commercial harvesting in preference to recreational harvesting
- 4) maximize the economic value of the resource by adjusting production
 maintain a constant production to provide a steady but variable income

The following management controls were utilized: (check all that apply)

- limit the number of commercial harvesters
- limit the number of recreational harvesters
- restrict times of harvest
- restrict the areas of harvest
- limit the amount of commercial harvest
- limit the amount of recreational harvest
- other:

The following management activities were undertaken: (check all that apply)

- predator protection through fencing, netting, trapping and etc.
- reseeding from high density areas or seeding with hatchery stock
- flat surveys to determine size distribution and density
- harvester surveys to obtain catch and effort data
- enhance natural seeding through brushing, roughing and etc.
- establishing conservation areas for flat rotation
- other:

Shellfish Committee/Staff

Municipality: Brunswick

Title	Name	Mailing Address	Telephone
Chair	<u>Ralph Keyes</u>	<u>85 Old Pennellville Rd, Brunswick, 04011</u>	<u>725-6339</u>
Vice Chair	<u>John Lemont</u>	<u>21 Maple Street, Brunswick, 04011</u>	<u>729-6507</u>
Secretary	<u>James Nottingham</u>	<u>29 Tufton St, Brunswick, 04011</u>	<u>443-5230</u>
Member(s)	<u>Peter Holman Sr</u>	<u>61 Primrose Ln, Brunswick, 04011</u>	<u>443-2606</u>
	<u>Robert Graffam Jr.</u>	<u>42 Pleasant St Apt 6, Brunswick, 04011</u>	<u>N/A</u>
	<u>Mark Latti</u>	<u>33 Hemlock Rd, Brunswick, 04011</u>	<u>729-1592</u>
	<u>Charles Vaughan</u>	<u>866 Mere Pt. Rd, Brunswick, 04011</u>	<u>725-8012</u>
	<u>Frederick Wigand</u>	<u>80 Pleasant Street, Brunswick, 04011</u>	<u>729-0363</u>
Wardens	<u>Dan Devereaux</u>	<u>28 Federal St., Brunswick, 04011</u>	<u>725-6631</u>
	<u>Matt Wyman</u>	<u>28 Federal St., Brunswick, 04011</u>	<u>725-5521</u>
WQSpec(s)	<u>Steve Walker</u>	<u>28 Federal St., Brunswick, 04011</u>	<u>725-6639</u>

Committee Meetings

The Shellfish Committee holds regularly scheduled meetings: yes [] no

The following number of meetings was held during the past year: 12

Minutes of meetings are recorded, filed and are available upon request: yes [] no

Conservation Credit

The opportunity to obtain conservation credit is provided: [] yes [X] no

The total number of conservation hours needed to obtain credit is__.

Conservation credit is required to obtain a: [] renewal license

[] new license

Conservation hours are given for:

- [] meeting attendance
- [] committee service
- [] educational activities
- [] coastal cleanup
- [] surveys
- [] reseeding
- [] brushing
- [] predator control
- []

If conservation credit is not provided, the total number of volunteer man-hours documented for management activities during the past year is 16.

Summary of Warden Activities

Municipality: Brunswick

Hours Patrolled:	<u>2,081</u>
Diggers Checked:	<u>1,006</u>
Warnings Given:	<u>30</u>
Summon Issued:	<u>6</u>
Court Appearances:	<u>1</u>
Convictions:	<u>4</u>

Enforcement of the shellfish management ordinance has been: satisfactory
 unsatisfactory

Enforcement could be improved by: more hours patrolled better training
 more wardens greater state support
 better equipment other:

The warden is provided with a written job description: yes no

Production Data Collected by the Warden

<u>Month</u>	<u>Avg. Daily Catch/Digger</u>		<u>Avg. # of Diggers/Day</u>		<u>Total # of Days Dug</u>	=	<u>Total Lbs [] or Bu [X]</u>
January	<u>1</u>	X	<u>10</u>	X	<u>14e</u>	=	<u>140</u>
February	<u>1.5</u>		<u>12</u>		<u>16e</u>		<u>288</u>
March	<u>2.0</u>		<u>30</u>		<u>19a</u>		<u>1,140</u>
April	<u>2.0</u>		<u>34</u>		<u>20a</u>		<u>1,360</u>
May	<u>2.5</u>		<u>40</u>		<u>10c</u>		<u>1,000</u>
June	<u>3</u>		<u>60</u>		<u>1c</u>		<u>180</u>
July	<u>2.5</u>		<u>65</u>		<u>20c</u>		<u>3,250</u>
August	<u>3.0</u>		<u>60</u>		<u>31</u>		<u>5,580</u>
September	<u>2.0</u>		<u>54</u>		<u>28</u>		<u>3,024</u>
October	<u>2.0</u>		<u>40</u>		<u>24</u>		<u>1,920</u>
November	<u>2.0</u>		<u>45</u>		<u>26</u>		<u>2,340</u>
December	<u>1.5</u>		<u>30</u>		<u>28</u>		<u>1,260</u>
					TOTAL		<u>21,482</u>

Warden(s)	Training Date	Nomination Date
<u>Daniel Devereaux</u>	<u>4/18/2003</u>	<u>01/01/2005</u>
<u>Joel Bruce</u>	<u>4/29/2005</u>	<u>01/01/2005</u>
<u>Mike Smith</u>	<u>4/27/2004</u>	<u>01/01/2005</u>
<u>Bruce Swanson</u>	<u>4/27/2004</u>	<u>01/01/2005</u>

Shellfish Conservation Budget

Municipality: Brunswick

License Receipts	Allocation	Sold	Received
<i>Commercial</i>			
Resident	67	67	\$20,100
Nonresident	7	7	\$3,150
Senior Resident	0	0	\$0
Senior Nonresident	0	0	\$0
Junior/Student Resident	10	10	\$500
Junior/Student Nonresident	1	1	\$100
Other: 0	0	0	\$0
<i>Recreational</i>			
Resident	NL	153	\$2,295
Nonresident	10%	16	\$480
Daily/Weekly/Monthly Res.	0	0	\$0
Daily/Weekly/Monthly Nonres.	0	0	\$0
Senior Resident	0	0	\$0
Senior Nonresident	0	0	\$0
Junior/Student Resident	0	0	\$0
Junior/Student Nonresident	0	0	\$0
Other: 0	0	0	\$0
SUBTOTAL (1)			\$26,625
Receipts Independent of License Fees			
Shellfish Conservation Account Carried Forward			\$0
Funds Raised for Warden			\$53,599
Funds Raised for Management Activities			\$12,000
Fines			\$950
Other			\$0
SUBTOTAL (2)			\$66,549
TOTAL Receipts (1+2)			\$93,174
Disbursements			
Warden Salary			\$50,250
Mileage			\$200
Clothing			\$1,000
Equipment			\$1,000
Training			\$400
SUBTOTAL (3)			\$52,850
Advertising			\$300
Supplies			\$1,000
Surveys			\$0
Seeding			\$0
Miscellaneous			\$500
SUBTOTAL (4)			\$1,800
TOTAL Disbursements (3+4)			\$54,650

Proposed Management Controls

Municipality: Brunswick

The following management controls will be utilized for the coming year: (check all that apply)

- limit the number of commercial harvesters
- limit the number of recreational harvesters
- restrict times of harvest
- restrict the areas of harvest
- limit the amount of commercial harvest
- limit the amount of recreational harvest
- other:

Proposed Shellfish Licenses

<u>License</u>	<u>Number</u>	<u>Cost @</u>
<i>Commercial</i>		
Resident	<u>67</u>	<u>\$200</u>
Nonresident	<u>7</u>	<u>\$400</u>
Senior Resident	<u> </u>	<u> </u>
Senior Nonresident	<u> </u>	<u> </u>
Junior/Student Resident	<u>10</u>	<u>\$50</u>
Junior/Student Nonresident	<u>1</u>	<u>\$100</u>
Other	<u> </u>	<u> </u>
<i>Recreational</i>		
Resident	<u>UNL</u>	<u>\$15</u>
Nonresident	<u>10%</u>	<u>\$30</u>
Daily/Weekly Monthly Res.	<u> </u>	<u> </u>
Daily/Weekly Monthly Nonres.	<u> </u>	<u> </u>
Senior Resident	<u> </u>	<u> </u>
Senior Nonresident	<u> </u>	<u> </u>
Junior/Student Resident	<u> </u>	<u> </u>
Junior/Student Nonresident	<u> </u>	<u> </u>
Other	<u> </u>	<u> </u>

License number determination is based upon: calculation using survey data
 survey data as a guide
 harvester input
 need/demand

The above numbers are:
 tentative, the actual numbers to be determined later
 firm, have been or will be submitted to DMR

Proposed Management Activities

Municipality: Brunswick

The following management activities will be undertaken during the coming year: (check all that apply)

- predator protection through fencing, netting, trapping and etc.
- reseeding from high density areas or with hatchery stock
- flat surveys to determine size distribution and density
- harvester surveys to obtain catch and effort data
- enhance natural seeding through brushing, roughing and etc.
- establishing conservation areas for flat rotation
- other:

In order to implement these management activities the committee will utilize: (check all that apply)

- harvesters vested with conservation credit
- harvester volunteers
- paid harvesters
- municipal employees
- paid consultants
- other:

To provide a forum for harvester input in management planning, the shellfish committee plans to meet:

- annually
- biannually
- quarterly
- bimonthly
- monthly

Meeting notification for other than regularly scheduled meetings is by:

- mailing
- phone call
- posting
- newspaper
- word of mouth

In order to keep the DMR informed and to solicit advice on management activities, the shellfish committee will:

- request the area biologist to participate in all meetings
- request the area biologist to participate in only specific meetings
- invite the area biologist to attend all meetings
- invite the area biologist to attend only specific meetings

Summary of Clam Flat Survey Data

Municipality: Brunswick

The following is a list of surveys conducted during the past year. Survey data should be attached if not previously provided to DMR. [] No surveys were conducted.

Clam Flat	Survey Date	Acreage	Density (bu/a)	Standing Crop (bu.)	%>2" by vol.
<i>Barnes landing</i>	<i>8/26</i>	<i>4</i>	<i>84</i>	<i>336</i>	<i>50</i>
<i>Bull Pen</i>	<i>9/23</i>	<i>33</i>	<i>84.3</i>	<i>2,784</i>	<i>63</i>
<i>Bugunuc</i>	<i>9/14</i>	<i>14</i>	<i>74.4</i>	<i>1,042</i>	<i>28</i>
<i>Buttermilk Cove</i>	<i>9/28</i>	<i>7</i>	<i>73.5</i>	<i>515</i>	<i>54</i>
<i>Coombs Island</i>	<i>8/12</i>	<i>19</i>	<i>183</i>	<i>3,484</i>	<i>82</i>
<i>Harpswell Cove</i>	<i>9/26</i>	<i>45</i>	<i>83</i>	<i>3,739</i>	<i>86</i>
<i>Little Bull Pen</i>	<i>9/29</i>	<i>5</i>	<i>116</i>	<i>583</i>	<i>21</i>
<i>New Meadows River</i>	<i>8/16</i>	<i>7</i>	<i>60.7</i>	<i>425</i>	<i>70</i>
<i>Maquoit Bay</i>	<i>9/13</i>	<i>60</i>	<i>48.8</i>	<i>3,955</i>	<i>74</i>
<i>Middle Bay</i>	<i>8/29</i>	<i>60</i>	<i>88.9</i>	<i>5,335</i>	<i>43</i>
<i>Long Reach</i>	<i>8/15</i>	<i>15</i>	<i>120.2</i>	<i>1,803</i>	<i>42</i>
<i>Smith's Cove</i>	<i>10/26</i>	<i>5</i>	<i>86.6</i>	<i>433</i>	<i>25</i>
<i>Thomas Point Beach</i>	<i>10/11</i>	<i>25</i>	<i>270</i>	<i>6,763</i>	<i>29</i>

The flats surveyed represent approximately 98% of the total productive flats.

Summary of Transplant Activities

Municipality: Brunswick

The following seeding / reseeding activities were conducted during the past year.

[] No seeding / reseeding activities were conducted.

	Event 1	Event 2	Event 3	Event 4
Date	<i>7/24</i>			
Supervisor	<i>D. Nottingham</i>			
Crew #	<i>4</i>			
Amount	<i>3 bu</i>			
Mean Size (in.)	<i>1/2</i>			
Size Range (in.)	<i>1/ 4- 4/4</i>			
Source	<i>N/A</i>			
Source Flat	<i>Thomas Point</i>			
Receiv. Flat	<i>New Meadows</i>			
Netted (y/n)	<i>yes</i>			
Closed until	<i>11/15/06</i>			

	Event 5	Event 6	Event 7	Event 8
Date				
Supervisor				
Crew #				
Amount				
Mean Size				
Size Range				
Source				
Source Flat				
Receiv. Flat				
Netted (y/n)				
Closed until				

Summary of Conservation Closures

Municipality: Brunswick

The following is a list of conservation closures implemented or in effect during the past year.
 (This table is for areas normally open.) No conservation areas were closed.

Conservation Area	Acreage	Closing Date	Opening Date	Days Closed*	Reason

*during 2005

Summary of Conservation Openings

The following is a list of conservation openings implemented or in effect during the past year.
 (This table is for areas normally closed.) No conservation areas were opened.

Conservation Area	Acreage	Opening Date	Closing Date	Days Open*	Reason
<i>Buttermilk Cove</i>	<i>7</i>	<i>8/28</i>	<i>9/10</i>	<i>14</i>	<i>Rotation</i>
<i>Maquoit Bay</i>	<i>60</i>	<i>4/14</i>	<i>9/1</i>	<i>148</i>	<i>Rotation</i>
<i>New Meadows</i>	<i>7</i>	<i>11/15</i>	<i>5/1</i>	<i>166</i>	<i>Rotation</i>

*during 2005

Additional Activities

Municipality: Brunswick

Spatfall Enhancement

The following is a list of activities to promote clam settlement such as brushing, flat roughing, tenting or netting. No such activities were conducted.

Location	Date	Description
<i>New Meadows</i>	<i>7/ 24</i>	<i>Flat Roughing/Experimental Project</i>

Predator Protection

The following is a list of activities to protect clams from predators such as trapping, netting and hand collecting. No such activities were conducted.

Location	Date	Description
<i>New Meadows</i>	<i>7/ 24</i>	<i>Netted a small area/ Experimental area.</i>

Other Activities

The following is a list of other activities that benefit, directly or indirectly, the management program such as educational projects, participation in regional councils and shoreline cleanup. No such activities were conducted.

Location	Date	Description