

ANNUAL SHELLFISH MANAGEMENT REVIEW
for the period
January 1st to December 31st, 2006

Municipality: Harpswell

Date: 02/26/07

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.
- reseedling 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: Harpswell

Title	Name	Mailing Address	Telephone
Chair	<u>Walter S. Moody</u>	<u>337 Cundy's Harbor Rd, Harpswell, 04079</u>	<u>729-8945</u>
Vice Chair	<u>Weston Watts</u>	<u>343 Cundy's Harbor Rd., Harpswell, 04079</u>	<u>729-1403</u>
Secretary	<u>Shelly Wilson</u>	<u>98 Sunset Cove Rd, Harpswell, 04079</u>	<u>833-5314</u>
Member(s)	<u>Walter Ward</u>	<u>1256 Harpswell Neck Rd., Harpswell, 04079</u>	<u>833-0515</u>
	<u>David Wilson</u>	<u>98 Sunset Cove Rd, Harpswell, 04079</u>	<u>833-5314</u>
	<u>Nicholas Testa</u>	<u>9 Cabin Drive, Harpswell , 04079</u>	<u>721-0694</u>
	<u>GeorgeBradbury</u>	<u>982 Harpswell Neck Rd., Harpswell, 04079</u>	<u>833-0944</u>
Selectmen/ Council Rep.	<u>Samuel Alexander</u>	<u>410 Harpswell Neck Rd., Harpswell, 04079</u>	<u>729-8842</u>
Wardens	<u>George Bradbury</u>	<u>982 Harpswell Neck Rd., Harpswell, 04079</u>	<u>833-0944</u>
	<u>Ray McIntire</u>	<u>36 County Way, Portland, 04101</u>	<u>774-1444</u>
WQSpec(s)	<u>George Bradbury</u>	<u>982 Harpswell Neck Rd, Harpswell, 04079</u>	<u>833-0944</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 [] no

The total number of conservation hours needed to obtain credit is 12.

Conservation credit is required to obtain a: renewal license

[] new license

Conservation hours are given for:

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

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

Summary of Warden Activities

Municipality: Harpswell

Hours Patrolled:	<u>3,920</u>
Diggers Checked:	<u>1,021</u>
Warnings Given:	<u>28</u>
Summon Issued:	<u>10</u>
Court Appearances:	<u>0</u>
Convictions:	<u>0</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>6</u>	X	<u>31</u>	=	<u>186</u>
February	<u>1.25</u>		<u>8</u>		<u>28e</u>		<u>280</u>
March	<u>2</u>		<u>15</u>		<u>31</u>		<u>930</u>
April	<u>3</u>		<u>20</u>		<u>30</u>		<u>1,800</u>
May	<u>3</u>		<u>20</u>		<u>19c</u>		<u>1,140</u>
June	<u>4</u>		<u>20</u>		<u>29c</u>		<u>1,920</u>
July	<u>4</u>		<u>20</u>		<u>31</u>		<u>2,480</u>
August	<u>4</u>		<u>20</u>		<u>31</u>		<u>2,480</u>
September	<u>3</u>		<u>20</u>		<u>30</u>		<u>1,800</u>
October	<u>2</u>		<u>15</u>		<u>31</u>		<u>930</u>
November	<u>1</u>		<u>10</u>		<u>30</u>		<u>300</u>
December	<u>1</u>		<u>8</u>		<u>31</u>		<u>248</u>
					TOTAL		<u>14,494</u>

Warden(s)	Training Date	Nomination Date
<u>George Bradbury</u>	<u>04/29/03</u>	<u>02/22/07</u>
<u>Ray McIntire</u>	<u>04/29/03</u>	<u>02/22/07</u>
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>

Shellfish Conservation Budget

Municipality: Harpswell

License Receipts	Allocation	Sold	Received
<i>Commercial</i>			
Resident	73	73	\$14,600
Nonresident	8	8	\$3,200
Senior Resident	4	4	\$300
Senior Nonresident			\$0
Junior/Student Resident			\$0
Junior/Student Nonresident			\$0
Other:			\$
<i>Recreational</i>			
Resident	<i>Unlimited</i>	322	\$3,040
Nonresident	10%	29	\$580
Daily/Weekly/Monthly Res.			\$0
Daily/Weekly/Monthly Nonres.			\$0
Senior Resident			\$0
Senior Nonresident			\$0
Junior/Student Resident			\$0
Junior/Student Nonresident			\$0
Other:			\$
SUBTOTAL (1)			\$21,720
Receipts Independent of License Fees			
Shellfish Conservation Account Carried Forward			\$0
Funds Raised for Warden			\$143,649
Funds Raised for Management Activities			\$2,000
Fines			\$1,500
Other			\$0
SUBTOTAL (2)			\$147,149
TOTAL Receipts (1+2)			\$168,869
Disbursements			
Warden Salary			\$97,924
Mileage			\$8,436
Clothing			\$1,000
Equipment			\$34,000
Training			\$2,289
SUBTOTAL (3)			\$143,649
Advertising			\$300
Supplies			\$1,271
Surveys			\$0
Seeding			\$0
Miscellaneous			\$0
SUBTOTAL (4)			\$1,571
TOTAL Disbursements (3+4)			\$145,220

Management Activities by Flat

Municipality: Harpswell

The following is a list of clam harvest areas in which management activities were conducted during the past year and the dates when they occurred. [] No activities were conducted.

Harvest Area	Clam Survey	Seed/ Reseed	Predator Control	Brushing/ Roughing	Conservation Closure
<i>Brickyard Cove</i>	<i>11/21</i>				
<i>Dingley Island N.</i>	<i>10/17</i>				
<i>Dingley Island S.</i>	<i>10/11</i>				
<i>Dipper Cove</i>	<i>11/28</i>				
<i>Henry Creek</i>	<i>12/14</i>				
<i>Horse Shoe Cove</i>	<i>1/31</i>				
<i>Indian Rest</i>	<i>11/16</i>	<i>5/6,7</i>			
<i>Indian Rest</i>		<i>10/14,15</i>			<i>3/11-12/31</i>
<i>Lombos Hole</i>	<i>1/31</i>				
<i>Long Reach</i>	<i>1/31</i>				
<i>Mill Cove High Head</i>	<i>1/30</i>				
<i>Pennellville</i>	<i>1/31</i>				
<i>Doughty Cove</i>		<i>3/25,26</i>			
<i>Big Indian</i>		<i>5/20,21</i>			
<i>Big Indian</i>		<i>10/14</i>			
<i>Long Island Bar</i>		<i>10/14</i>			
<i>Big Yarmouth Island</i>		<i>10/14</i>			
<i>Bombazine Island S. End</i>		<i>10/15</i>			

Proposed Management Controls

Municipality: Harpswell

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>72</u>	<u>\$200</u>
Nonresident	<u>8</u>	<u>\$400</u>
Senior Resident	<u>5</u>	<u>\$100</u>
Senior Nonresident	<u>0</u>	<u>\$200</u>
Junior/Student Resident	<u>9</u>	<u>\$100</u>
Junior/Student Nonresident	<u>1</u>	<u>\$200</u>
Other:	<u>0</u>	<u>\$0</u>
<i>Recreational</i>		
Resident	<u>Unallocated</u>	<u>\$10</u>
Nonresident	<u>10%</u>	<u>\$20</u>
Daily/Weekly Monthly Res.	<u>0</u>	<u>\$0</u>
Daily/Weekly Monthly Nonres.	<u>0</u>	<u>\$0</u>
Senior Resident	<u>0</u>	<u>\$0</u>
Senior Nonresident	<u>0</u>	<u>\$0</u>
Junior/Student Resident	<u>0</u>	<u>\$0</u>
Junior/Student Nonresident	<u>0</u>	<u>\$0</u>
Other:	<u>0</u>	<u>\$0</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: Harpowell

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

Proposed Activities by Flat

Municipality: Harpwell

The following is a list of clam harvest areas in which management activities are planned for the coming year and the probable dates the activities would occur.

No activities are planned. No specific activities are planned as yet.

Harvest Area	Clam Survey	Seed/Reseed	Predator Control	Brushing/Roughing	Conservation Closure
<i>Basin Cove</i>	<i>Fall</i>				
<i>Birch Island</i>	<i>Fall</i>				
<i>Clark Cove</i>	<i>Fall</i>				
<i>Harpwell Cove</i>	<i>Fall</i>				
<i>Laurel Cove</i>	<i>Fall</i>				
<i>Mill Cove</i>	<i>Fall</i>				
<i>Dingley Cove</i>	<i>Fall</i>				
<i>Northeast Cove</i>	<i>Fall</i>				
<i>Reed Cove</i>	<i>Fall</i>				
<i>Strawberry Creek</i>	<i>Fall</i>				
<i>Wallace Shore</i>	<i>Fall</i>				
<i>Whites/Scragg</i>	<i>Fall</i>				
<i>Winding Way Cove</i>	<i>Fall</i>				

Summary of Transplant Activities

Municipality: Harpswell

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	3/25	3/26	5/6	5/7
Supervisor	Weston Watts	Weston Watts	Mike Davis	Mike Davis
Crew #	Not reported.	Not reported.	10	15
Amount	12 Bu	14 Bu	6 Bu	10 Bu
Mean Size (in.)	3/4	3/4	1/2	1/2
Size Range (in.)	1/2 - 1 1/4	1/2 - 1 1/2	1/2 - 1 1/2	1/4 - 1
Source	n/a	n/a	n/a	n/a
Source Flat	Dingley Island	Dingley Island	Dingley Island	Dingley Island
Receiv. Flat	Doughty Cove	Doughty Cove	Indian Rest	Indian Rest
Netted (y/n)	No	No	No	No
Closed until	n/a	n/a	n/a	n/a

	Event 5	Event 6	Event 7	Event 8
Date	5/20	5/21	10/14	10/15
Supervisor	Chris Johnson	Chirs Johnson	Walter Moody	Weston Watts
Crew #	25	25	8	Not reported.
Amount	10 Bu	10 Bu	3 Bu	1.25 Bu
Mean Size	3/4	3/4	1	1
Size Range	1/4 - 1 3/4	1/4 - 1 3/4	3/4 - 1 1/2	3/4 - 1 1/2
Source	n/a	n/a	n/a	n/a
Source Flat	Laurel Cove	Laurel Cove	Ledgeview	Ledgeview Lane
Receiv. Flat	Big Indian	Big Indian	Long Is, Big Indian, Indian Rest	Indian Rest
Netted (y/n)	No	No	Yes	Yes
Closed until	n/a	n/a	n/a	n/a

Summary of Conservation Closures

Municipality: Harpowell

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
<i>Indian Rest</i>	<i>14</i>	<i>3/11</i>	<i>Indefinite</i>	<i>280</i>	<i>Over dug</i>

*during 2006

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

*during 2006

Additional Activities

Municipality: Harpswell

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

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

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
<i>Old Dump, Area Coves</i>	<i>5/6,7</i>	<i>Shoreline Cleanup</i>