

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

Municipality: Arrowsic Date: February 27, 2006

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 Expanded water sampling to re-open closed flat.

Shellfish Committee/Staff

Municipality: Arrowsic

Title	Name	Mailing Address	Telephone
Chair *			
Vice Chair			
Secretary *			
Member(s) *			
Selectmen/ Council Rep.	<u>None</u>		
Wardens *			
WQSpec(s)	<u>None</u>		

\* See attached list

Committee Meetings

The Shellfish Committee holds regularly scheduled meetings:  yes  no

The following number of meetings was held during the past year: 8

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 (Participation in a minimum of one project)

Conservation credit is required to obtain a:  renewal license  new license  
N/A

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 N/A.

Town of Arrowsic  
Shellfish Conservation Committee  
2005-2006

**Chair**

Peter W. Goodwin 97 Doubling Point Rd. Arrowsic, ME 04530	443-7466 <a href="mailto:westgood@gwi.net">westgood@gwi.net</a>
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**Members**

William C. Blaiklock 388 Arrowsic Road Arrowsic, ME 04530	443-3725 <a href="mailto:williamb@gwi.net">williamb@gwi.net</a>
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Lois Hewlett 143 Whimore's Landing Rd. Arrowsic, ME 04530	443-1627 <a href="mailto:hewlett@rcn.com">hewlett@rcn.com</a>
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Richard Higgins P.O. Box 361 Woolwich, ME 04579	443-8404 <a href="mailto:rahiggins@gwi.net">rahiggins@gwi.net</a>
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Phil Packard, <b>Secretary</b> 31 Indian Rest Rd. Arrowsic, ME 04530	442-7504 <a href="mailto:cappypep@aol.com">cappypep@aol.com</a>
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**Shellfish Warden**

Jon Hentz 36 Webber Road Georgetown, ME 04548	371-2732 <a href="mailto:jrhentz@gwi.net">jrhentz@gwi.net</a>
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**DMR**

Ron Aho, Regional Biologist 118 King's Highway Newcastle, ME 04553	586-5572 <a href="mailto:Ron.Aho@maine.gov">Ron.Aho@maine.gov</a>
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Alison Sirois, Vol. Coordinator	<a href="mailto:Alison.Sirois@maine.gov">Alison.Sirois@maine.gov</a>
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Jan Barter, Water Quality	<a href="mailto:Jan.Barter@maine.gov">Jan.Barter@maine.gov</a>
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**Summary of Warden Activities**

Municipality: Arrowsic

Shellfish Inspected: 0  
 Hours Patrolled: 27  
 Diggers Checked: 1  
 Warnings Given: 0  
 Summon Issued: 1  
 Court Appearances: 1  
 Convictions: 1

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**

Month	Avg. Daily Catch/Digger	Avg. # of Diggers/Day	Total # of Days Dug	Total Lbs or Bushels
January	0	0	0 a	0
February	0	0	0 a	0
March	0	0	0 a	0
April	0	0	0 a	0
May	0	0	6 a+b	0
June	0	0	20 b+c	0
July	0	0	31	0
August	.25	.25	31	2
September	0	0	30	0
October	0	0	0 a	0
November	0	0	0 a	0
December	0	0	0 a	0
			TOTAL	2

Warden(s) Jon L. HENTZ Training Date 4-28-05 Nomination Date 2-14-05

Shellfish Conservation Budget

Municipality: Arrowsic

License Receipts	Allocation	Sold	Received
<i>Commercial</i>			
Resident	3	2	\$ 200
Nonresident	0	1	\$ 200
Senior Resident			\$
Senior Nonresident			\$
Junior/Student Resident			\$
Junior/Student Nonresident			\$
Other			\$
<i>Recreational</i>			
Resident	Unlimited	4	\$ 40
Nonresident			\$
Daily/Weekly/Monthly Res.			\$
Daily/Weekly/Monthly Nonres.			\$
Senior Resident			\$
Senior Nonresident			\$
Junior/Student Resident			\$
Junior/Student Nonresident			\$
Other			\$
SUBTOTAL (1)			\$ 440.00
<b>Receipts Independent of License Fees</b>			
Shellfish Conservation Account Carried Forward			\$ 1850.00
Funds Raised for Warden			\$ 500.00
Funds Raised for Management Activities			\$
Fines			\$
Other			\$
SUBTOTAL (2)			\$ 2350.00
TOTAL Receipts (1+2)			\$ 2790.00
<b>Disbursements</b>			
Warden Salary			\$ 308.60
Mileage			\$ 150.72
Clothing			\$ 16.40
Equipment	<i>Includes pro-rated payment to Kingsburg via Beth</i>		\$ 39.41
Training		<i>(3/11/12)</i>	\$ 20.00
SUBTOTAL (3)			\$ 535.13
Advertising			\$ 203.13
Supplies			\$
Surveys			\$
Seeding			\$
Miscellaneous	<i>To Warden: Business auto insurance</i>		\$ 12.65
SUBTOTAL (4)			\$ 215.78
TOTAL Disbursements (3+4)			\$ 750.91



**Proposed Management Controls**

Municipality: Arrowsic

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>3</u>	<u>\$ 100.00</u>
Nonresident	<u>0</u>	<u>\$ 200.00</u>
Senior Resident	_____	<u>\$</u>
Senior Nonresident	_____	<u>\$</u>
Junior/Student Resident	_____	<u>\$</u>
Junior/Student Nonresident	_____	<u>\$</u>
Other	_____	<u>\$</u>
<i>Recreational</i>		
Resident	<u>No limit</u>	<u>\$ 10.00</u>
Nonresident	<u>No limit</u>	<u>\$ 20.00</u>
Daily/Weekly Monthly Res.	_____	<u>\$</u>
Daily/Weekly Monthly Nonres.	_____	<u>\$</u>
Senior Resident	<u>No limit</u>	<u>\$ 0.00</u>
Senior Nonresident	_____	<u>\$</u>
Junior/Student Resident	<u>No limit</u>	<u>\$ 0.00</u>
Junior/Student Nonresident	_____	<u>\$</u>
Other (3-day recreational)	<u>No limit</u>	<u>\$ 5.00</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:** Arrowsic

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 Expand water sampling to re-open closed flat

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 Committee members, other volunteers

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
- e-mail

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 Transplant Activities**

**Municipality:** Arrowsic

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



**Additional Activities**

**Municipality:** Arrowxic

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