

## Soft-shell Clam Survey Projections

**Flat:** Card Cove  
**Town:** Harpswell  
**Date:** 8/17/2017

**Area (ac):** 0.6  
**Density (bu/a):** 12.11  
**Crop (bu):** 7

**Percent Legal:** 0.00%  
**Proj. Harvest (bu):** 3

### Harvest Parameters

#### Commercial

Efficiency: 0.70  
Effort (d.): 200  
Catch (bu): 1.5

#### Recreational

Efficiency: 0.33  
Effort (d.): 10  
Catch (bu): 0.25

**Commercial Licenses:** 0

**-or-**

**Recreational Licenses:** 0

### LICENSE NUMBERS FORMULA\*

No. of License = (Projected Harvest x Digger Efficiency) / ( Effort in Days x Average Catch in Bushels)

Projected Harvest = Legal Clam Bushels + (Sublegal Clam Bushels x Rate of Entry)

Rate of Entry = Survival Rate x Yearly Proportion of Sublegals Reaching Legal Size

Estimated Survival Rate = 80%

Estimated Yearly Proportion Of Sublegals Reaching Legal Size = 50%

# Survey Results

TOWN: Harpswell  
 FLAT: Card Cove  
 CREW: Deputy Welsh / Deputy McIntire

PLOT SIZE: 1' x 2'  
 PLOT INTERVAL: 100'  
 PLOTS: 60

DATE: 8/17/17

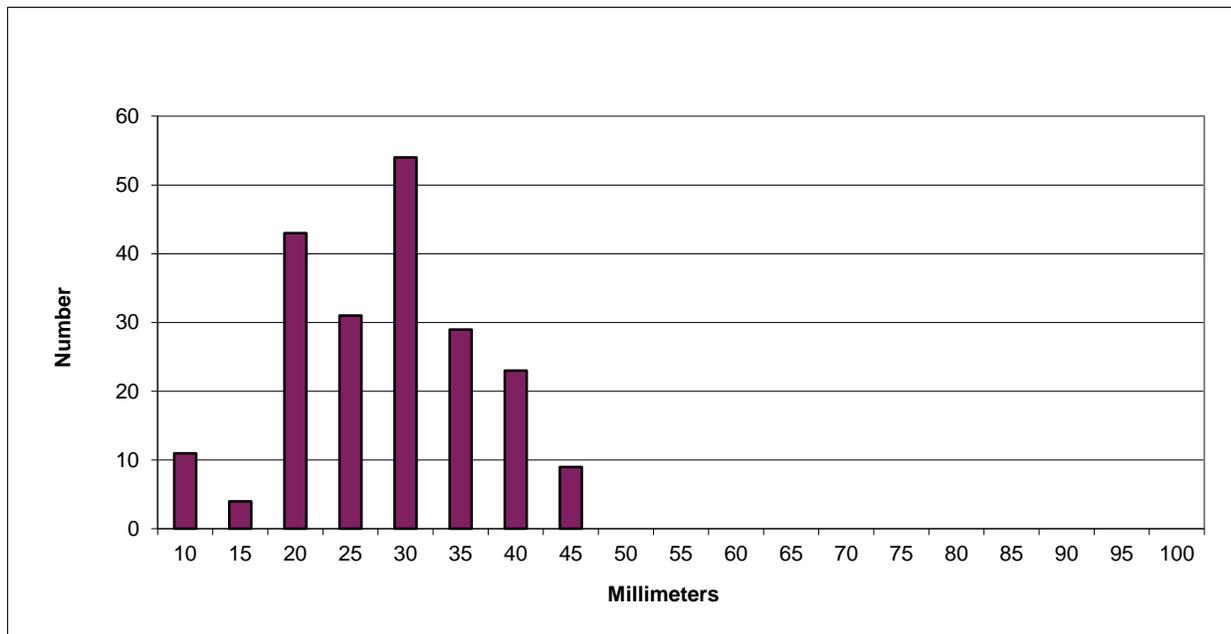
ACRES: 0.6

Length (mm)	# of Clams	% Number
10-14	11	5.4%
15-19	4	2.0%
20-24	43	21.1%
25-29	31	15.2%
30-34	54	26.5%
35-39	29	14.2%
40-44	23	11.3%
45-49	9	4.4%
50-54	0	0.0%
55-59	0	0.0%
60-64	0	0.0%
65-69	0	0.0%
70-74	0	0.0%
75-79	0	0.0%
80-84	0	0.0%
85-89	0	0.0%
90-94	0	0.0%
95-99	0	0.0%
100	0	0.0%

Total # of Clams	204
Total # of Clams > 50.8mm	0
% of clams > 50.8mm	0.00%
Total Average Bu./Acre	12.11
Total Avg. Bu./Acre > 50.8mm	0.00
Total standing crop (bu)	7
Total standing crop > 50.8mm	0
% of crop > 50.8mm	0.00%

### 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



### Soft-shell Clam Survey Projections

**Flat:** Chatters  
**Town:** Harpswell  
**Date:** 7/10/2017

**Area (ac):** 5.9  
**Density (bu/a):** 39.39  
**Crop (bu):** 232

**Percent Legal:** 3.27%  
**Proj. Harvest (bu):** 97

#### Harvest Parameters

##### Commercial

Efficiency: 0.70  
Effort (d.): 200  
Catch (bu): 1.5

##### Recreational

Efficiency: 0.33  
Effort (d.): 10  
Catch (bu): 0.25

**Commercial Licenses:** 0  
**-or-**  
**Recreational Licenses:** 13

#### LICENSE NUMBERS FORMULA\*

No. of License = (Projected Harvest x Digger Efficiency) / ( Effort in Days x Average Catch in Bushels)

Projected Harvest = Legal Clam Bushels + (Sublegal Clam Bushels x Rate of Entry)

Rate of Entry = Survival Rate x Yearly Proportion of Sublegals Reaching Legal Size

Estimated Survival Rate = 80%

Estimated Yearly Proportion Of Sublegals Reaching Legal Size = 50%

# Survey Results

TOWN: Harpswell  
 FLAT: Chatters  
 CREW: Deputy Welsh / Deputy McIntire

PLOT SIZE: 1' x 2'  
 PLOT INTERVAL: 100'  
 PLOTS: 45

DATE: 7/10/17

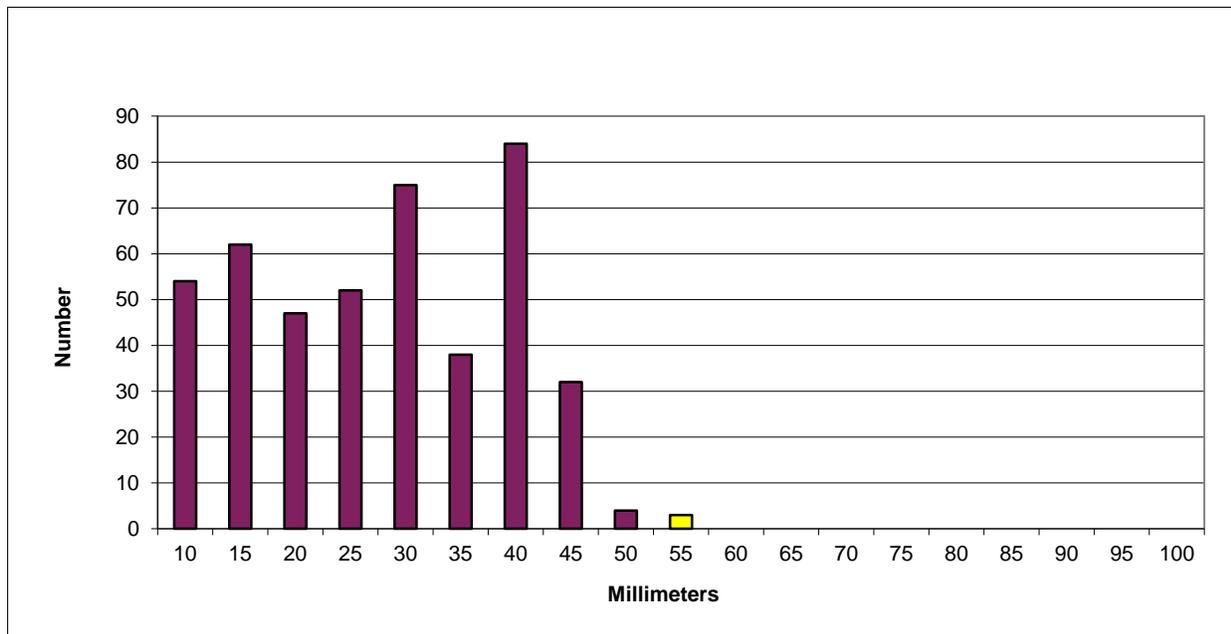
ACRES: 5.9

Length (mm)	# of Clams	% Number
10-14	54	12.0%
15-19	62	13.7%
20-24	47	10.4%
25-29	52	11.5%
30-34	75	16.6%
35-39	38	8.4%
40-44	84	18.6%
45-49	32	7.1%
50-54	4	0.9%
55-59	3	0.7%
60-64	0	0.0%
65-69	0	0.0%
70-74	0	0.0%
75-79	0	0.0%
80-84	0	0.0%
85-89	0	0.0%
90-94	0	0.0%
95-99	0	0.0%
100	0	0.0%

Total # of Clams	451
Total # of Clams > 50.8mm	3
% of clams > 50.8mm	0.67%
Total Average Bu./Acre	39.39
Total Avg. Bu./Acre > 50.8mm	1.29
Total standing crop (bu)	232
Total standing crop > 50.8mm	8
% of crop > 50.8mm	3.27%

### 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



## Soft-shell Clam Survey Projections

**Flat:** Curtis Cove  
**Town:** Harpswell  
**Date:** 11/1/2017

**Area (ac):** 14.4  
**Density (bu/a):** 0.00  
**Crop (bu):** 0

**Percent Legal:** #DIV/0!  
**Proj. Harvest (bu):** 0

### Harvest Parameters

#### Commercial

Efficiency: 0.70  
Effort (d.): 200  
Catch (bu): 1.5

#### Recreational

Efficiency: 0.33  
Effort (d.): 10  
Catch (bu): 0.25

**Commercial Licenses:** 0

-or-

**Recreational Licenses:** 0

### LICENSE NUMBERS FORMULA\*

No. of License = (Projected Harvest x Digger Efficiency) / ( Effort in Days x Average Catch in Bushels)

Projected Harvest = Legal Clam Bushels + (Sublegal Clam Bushels x Rate of Entry)

Rate of Entry = Survival Rate x Yearly Proportion of Sublegals Reaching Legal Size

Estimated Survival Rate = 80%

Estimated Yearly Proportion Of Sublegals Reaching Legal Size = 50%

# Survey Results

TOWN: Harpswell  
 FLAT: Curtis Cove  
 CREW: Deputy Welsh / Deputy McIntire

PLOT SIZE: 1' x 2'  
 PLOT INTERVAL: 100'  
 PLOTS: 60

DATE: 11/1/17

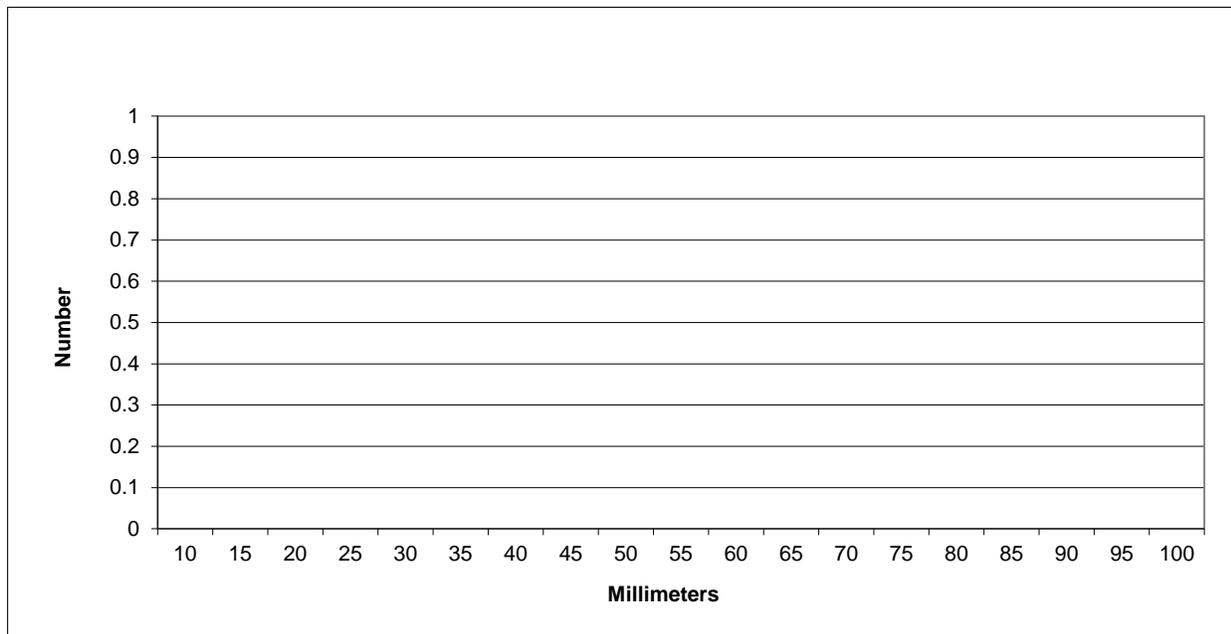
ACRES: 14.4

Length (mm)	# of Clams	% Number
10-14	0	#DIV/0!
15-19	0	#DIV/0!
20-24	0	#DIV/0!
25-29	0	#DIV/0!
30-34	0	#DIV/0!
35-39	0	#DIV/0!
40-44	0	#DIV/0!
45-49	0	#DIV/0!
50-54	0	#DIV/0!
55-59	0	#DIV/0!
60-64	0	#DIV/0!
65-69	0	#DIV/0!
70-74	0	#DIV/0!
75-79	0	#DIV/0!
80-84	0	#DIV/0!
85-89	0	#DIV/0!
90-94	0	#DIV/0!
95-99	0	#DIV/0!
100	0	#DIV/0!

Total # of Clams	0
Total # of Clams > 50.8mm	0
% of clams > 50.8mm	#DIV/0!
Total Average Bu./Acre	0.00
Total Avg. Bu./Acre > 50.8mm	0.00
Total standing crop (bu)	0
Total standing crop > 50.8mm	0
% of crop > 50.8mm	#DIV/0!

### 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



## Soft-shell Clam Survey Projections

**Flat:** igley Island South  
**Town:** Harpswell  
**Date:** 9/12/2017

**Area (ac):** 5.6  
**Density (bu/a):** 0.00  
**Crop (bu):** 0

**Percent Legal:** #DIV/0!  
**Proj. Harvest (bu):** 0

### Harvest Parameters

#### Commercial

Efficiency: 0.70  
Effort (d.): 200  
Catch (bu): 1.5

#### Recreational

Efficiency: 0.33  
Effort (d.): 10  
Catch (bu): 0.25

**Commercial Licenses:** 0

**-or-**

**Recreational Licenses:** 0

### LICENSE NUMBERS FORMULA\*

No. of License = (Projected Harvest x Digger Efficiency) / ( Effort in Days x Average Catch in Bushels)

Projected Harvest = Legal Clam Bushels + (Sublegal Clam Bushels x Rate of Entry)

Rate of Entry = Survival Rate x Yearly Proportion of Sublegals Reaching Legal Size

Estimated Survival Rate = 80%

Estimated Yearly Proportion Of Sublegals Reaching Legal Size = 50%

# Survey Results

TOWN: Harpswell  
 FLAT: Dingley Island South  
 CREW: Deputy Welsh / Deputy McIntire

PLOT SIZE: 1' x 2'  
 PLOT INTERVAL: 100'  
 PLOTS: 67

DATE: 9/12/17

ACRES: 5.6

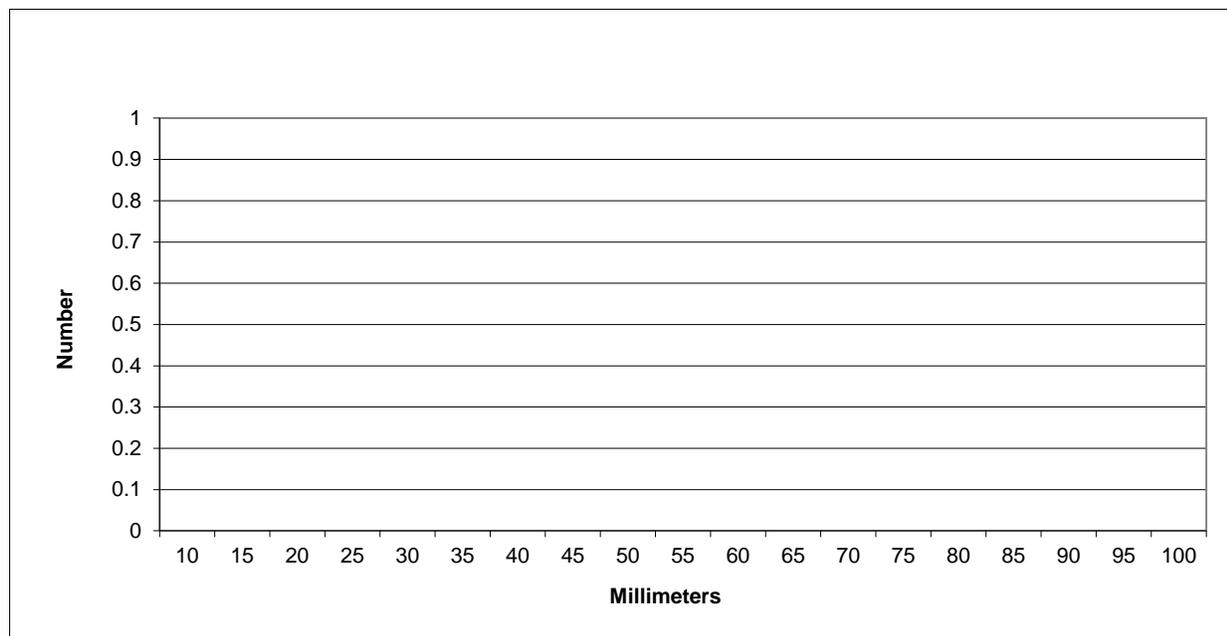
Length (mm)	# of Clams	% Number
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10-14	0	#DIV/0!
15-19	0	#DIV/0!
20-24	0	#DIV/0!
25-29	0	#DIV/0!
30-34	0	#DIV/0!
35-39	0	#DIV/0!
40-44	0	#DIV/0!
45-49	0	#DIV/0!
50-54	0	#DIV/0!
55-59	0	#DIV/0!
60-64	0	#DIV/0!
65-69	0	#DIV/0!
70-74	0	#DIV/0!
75-79	0	#DIV/0!
80-84	0	#DIV/0!
85-89	0	#DIV/0!
90-94	0	#DIV/0!
95-99	0	#DIV/0!
100	0	#DIV/0!

Total # of Clams	0
Total # of Clams > 50.8mm	0
% of clams > 50.8mm	#DIV/0!
Total Average Bu./Acre	0.00
Total Avg. Bu./Acre > 50.8mm	0.00
Total standing crop (bu)	0
Total standing crop > 50.8mm	0
% of crop > 50.8mm	#DIV/0!

### 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



## Soft-shell Clam Survey Projections

**Flat:** Dipper Cove  
**Town:** Harpswell  
**Date:** 8/2/2017

**Area (ac):** 4.2  
**Density (bu/a):** 0.63  
**Crop (bu):** 3

**Percent Legal:** 0.00%  
**Proj. Harvest (bu):** 1

### Harvest Parameters

#### Commercial

Efficiency: 0.70  
Effort (d.): 200  
Catch (bu): 1.5

#### Recreational

Efficiency: 0.33  
Effort (d.): 10  
Catch (bu): 0.25

**Commercial Licenses:** 0  
**-or-**  
**Recreational Licenses:** 0

### LICENSE NUMBERS FORMULA\*

No. of License = (Projected Harvest x Digger Efficiency) / ( Effort in Days x Average Catch in Bushels)

Projected Harvest = Legal Clam Bushels + (Sublegal Clam Bushels x Rate of Entry)

Rate of Entry = Survival Rate x Yearly Proportion of Sublegals Reaching Legal Size

Estimated Survival Rate = 80%

Estimated Yearly Proportion Of Sublegals Reaching Legal Size = 50%

# Survey Results

TOWN: Harpswell  
 FLAT: Dipper Cove  
 CREW: Deputy Welsh / Deputy McIntire

PLOT SIZE: 1' x 2'  
 PLOT INTERVAL: 100'  
 PLOTS: 20

DATE: 8/2/17

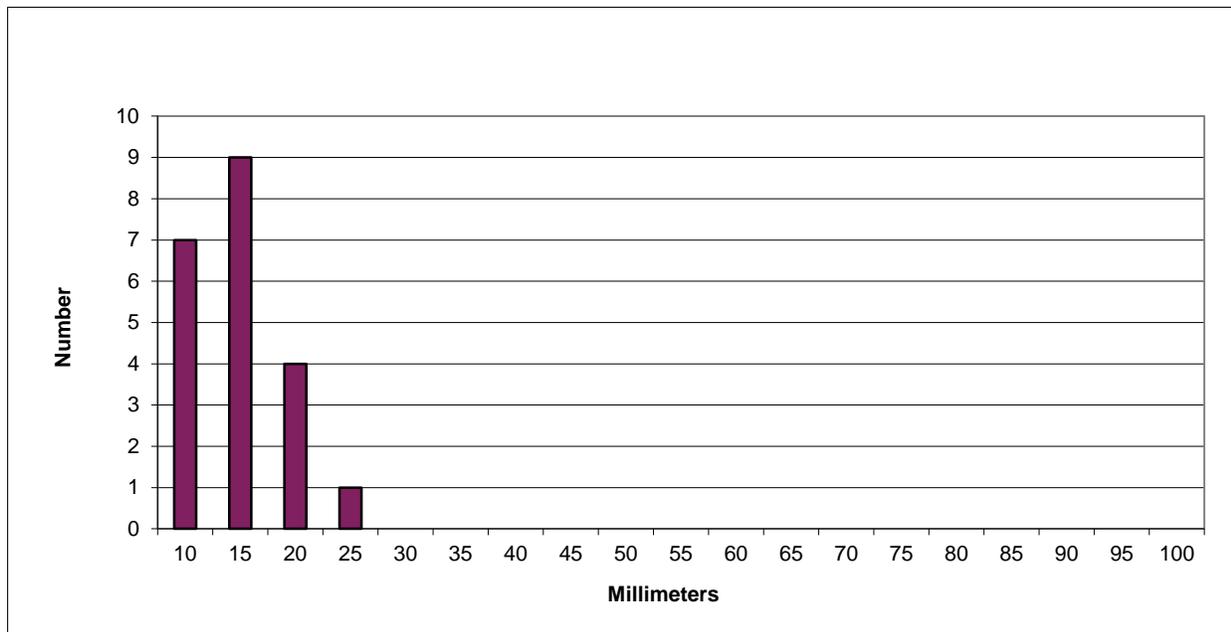
ACRES: 4.2

Length (mm)	# of Clams	% Number
10-14	7	33.3%
15-19	9	42.9%
20-24	4	19.0%
25-29	1	4.8%
30-34	0	0.0%
35-39	0	0.0%
40-44	0	0.0%
45-49	0	0.0%
50-54	0	0.0%
55-59	0	0.0%
60-64	0	0.0%
65-69	0	0.0%
70-74	0	0.0%
75-79	0	0.0%
80-84	0	0.0%
85-89	0	0.0%
90-94	0	0.0%
95-99	0	0.0%
100	0	0.0%

Total # of Clams	21
Total # of Clams > 50.8mm	0
% of clams > 50.8mm	0.00%
Total Average Bu./Acre	0.63
Total Avg. Bu./Acre > 50.8mm	0.00
Total standing crop (bu)	3
Total standing crop > 50.8mm	0
% of crop > 50.8mm	0.00%

### 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



## Soft-shell Clam Survey Projections

**Flat:** Hen Cove  
**Town:** Harpswell  
**Date:** 9/12/2017

**Area (ac):** 3.0  
**Density (bu/a):** 0.00  
**Crop (bu):** 0

**Percent Legal:** #DIV/0!  
**Proj. Harvest (bu):** 0

### Harvest Parameters

#### Commercial

Efficiency: 0.70  
Effort (d.): 200  
Catch (bu): 1.5

#### Recreational

Efficiency: 0.33  
Effort (d.): 10  
Catch (bu): 0.25

**Commercial Licenses:** 0

**-or-**

**Recreational Licenses:** 0

### LICENSE NUMBERS FORMULA\*

No. of License = (Projected Harvest x Digger Efficiency) / ( Effort in Days x Average Catch in Bushels)

Projected Harvest = Legal Clam Bushels + (Sublegal Clam Bushels x Rate of Entry)

Rate of Entry = Survival Rate x Yearly Proportion of Sublegals Reaching Legal Size

Estimated Survival Rate = 80%

Estimated Yearly Proportion Of Sublegals Reaching Legal Size = 50%

# Survey Results

TOWN: Harpswell  
 FLAT: Hen Cove  
 CREW: Deputy Welsh / Deputy McIntire

PLOT SIZE: 1' x 2'  
 PLOT INTERVAL: 100'  
 PLOTS: 20

DATE: 9/12/17

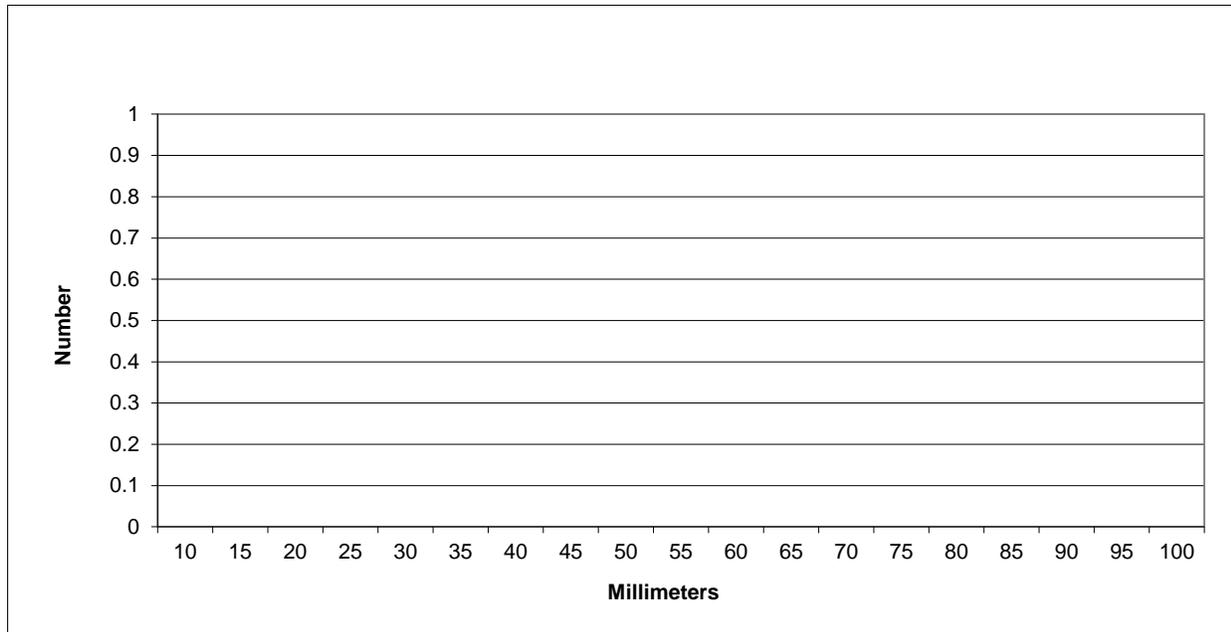
ACRES: 3

Length (mm)	# of Clams	% Number
10-14	0	#DIV/0!
15-19	0	#DIV/0!
20-24	0	#DIV/0!
25-29	0	#DIV/0!
30-34	0	#DIV/0!
35-39	0	#DIV/0!
40-44	0	#DIV/0!
45-49	0	#DIV/0!
50-54	0	#DIV/0!
55-59	0	#DIV/0!
60-64	0	#DIV/0!
65-69	0	#DIV/0!
70-74	0	#DIV/0!
75-79	0	#DIV/0!
80-84	0	#DIV/0!
85-89	0	#DIV/0!
90-94	0	#DIV/0!
95-99	0	#DIV/0!
100	0	#DIV/0!

Total # of Clams	0
Total # of Clams > 50.8mm	0
% of clams > 50.8mm	#DIV/0!
Total Average Bu./Acre	0.00
Total Avg. Bu./Acre > 50.8mm	0.00
Total standing crop (bu)	0
Total standing crop > 50.8mm	0
% of crop > 50.8mm	#DIV/0!

### 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



## Soft-shell Clam Survey Projections

**Flat:** Hopkins Island  
**Town:** Harpswell  
**Date:** 8/17/2017

**Area (ac):** 2.0  
**Density (bu/a):** 0.00  
**Crop (bu):** 0

**Percent Legal:** #DIV/0!  
**Proj. Harvest (bu):** 0

### Harvest Parameters

#### Commercial

Efficiency: 0.70  
Effort (d.): 200  
Catch (bu): 1.5

#### Recreational

Efficiency: 0.33  
Effort (d.): 10  
Catch (bu): 0.25

**Commercial Licenses:** 0

-or-

**Recreational Licenses:** 0

### LICENSE NUMBERS FORMULA\*

No. of License = (Projected Harvest x Digger Efficiency) / ( Effort in Days x Average Catch in Bushels)

Projected Harvest = Legal Clam Bushels + (Sublegal Clam Bushels x Rate of Entry)

Rate of Entry = Survival Rate x Yearly Proportion of Sublegals Reaching Legal Size

Estimated Survival Rate = 80%

Estimated Yearly Proportion Of Sublegals Reaching Legal Size = 50%

# Survey Results

TOWN: Harpswell  
 FLAT: Hopkins Island  
 CREW: Deputy Welsh / Deputy McIntire

PLOT SIZE: 1' x 2'  
 PLOT INTERVAL: 100'  
 PLOTS: 25

DATE: 8/17/17

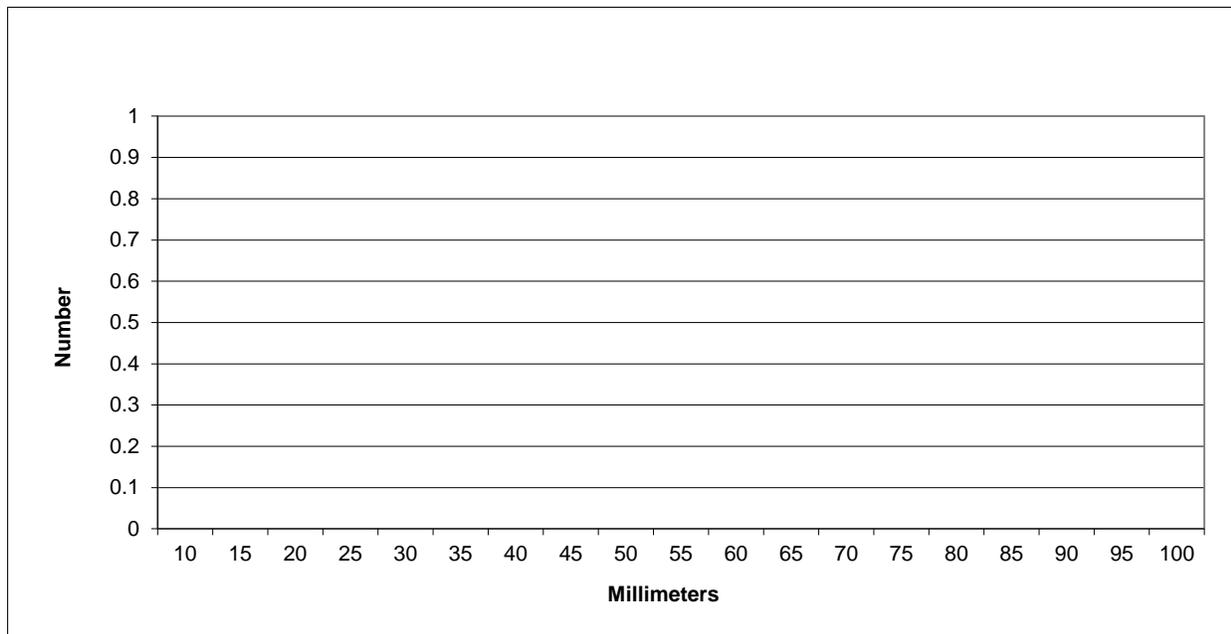
ACRES: 2.0

Length (mm)	# of Clams	% Number
10-14	0	#DIV/0!
15-19	0	#DIV/0!
20-24	0	#DIV/0!
25-29	0	#DIV/0!
30-34	0	#DIV/0!
35-39	0	#DIV/0!
40-44	0	#DIV/0!
45-49	0	#DIV/0!
50-54	0	#DIV/0!
55-59	0	#DIV/0!
60-64	0	#DIV/0!
65-69	0	#DIV/0!
70-74	0	#DIV/0!
75-79	0	#DIV/0!
80-84	0	#DIV/0!
85-89	0	#DIV/0!
90-94	0	#DIV/0!
95-99	0	#DIV/0!
100	0	#DIV/0!

Total # of Clams	0
Total # of Clams > 50.8mm	0
% of clams > 50.8mm	#DIV/0!
Total Average Bu./Acre	0.00
Total Avg. Bu./Acre > 50.8mm	0.00
Total standing crop (bu)	0
Total standing crop > 50.8mm	0
% of crop > 50.8mm	#DIV/0!

### 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



## Soft-shell Clam Survey Projections

**Flat:** Interlude  
**Town:** Harpswell  
**Date:** 6/7/2017

**Area (ac):** 2.5  
**Density (bu/a):** 17.44  
**Crop (bu):** 43

**Percent Legal:** 14.30%  
**Proj. Harvest (bu):** 21

### Harvest Parameters

#### Commercial

Efficiency: 0.70  
Effort (d.): 200  
Catch (bu): 1.5

#### Recreational

Efficiency: 0.33  
Effort (d.): 10  
Catch (bu): 0.25

**Commercial Licenses:** 0  
**-or-**  
**Recreational Licenses:** 3

### LICENSE NUMBERS FORMULA\*

No. of License = (Projected Harvest x Digger Efficiency) / ( Effort in Days x Average Catch in Bushels)

Projected Harvest = Legal Clam Bushels + (Sublegal Clam Bushels x Rate of Entry)

Rate of Entry = Survival Rate x Yearly Proportion of Sublegals Reaching Legal Size

Estimated Survival Rate = 80%

Estimated Yearly Proportion Of Sublegals Reaching Legal Size = 50%

# Survey Results

TOWN: Harpswell  
 FLAT: Interlude  
 CREW: Deputy Welsh / Deputy Bradbury

PLOT SIZE: 1' x 2'  
 PLOT INTERVAL: 100'  
 PLOTS: 20

DATE: 6/7/17

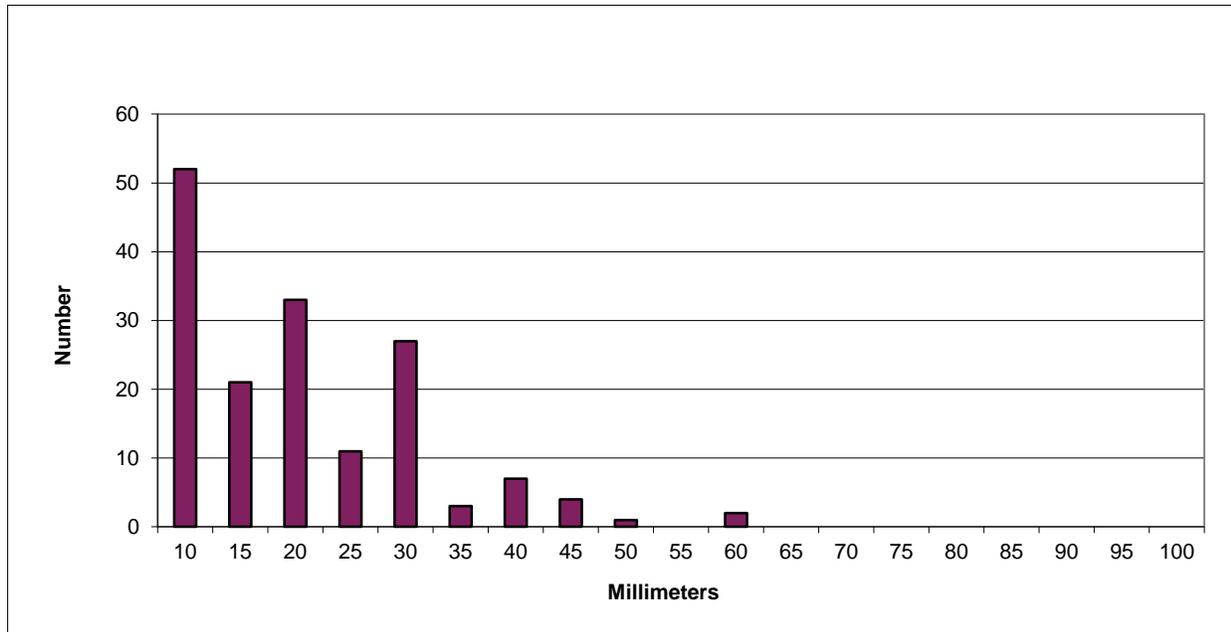
ACRES: 2.5

Length (mm)	# of Clams	% Number
10-14	52	32.3%
15-19	21	13.0%
20-24	33	20.5%
25-29	11	6.8%
30-34	27	16.8%
35-39	3	1.9%
40-44	7	4.3%
45-49	4	2.5%
50-54	1	0.6%
55-59	0	0.0%
60-64	2	1.2%
65-69	0	0.0%
70-74	0	0.0%
75-79	0	0.0%
80-84	0	0.0%
85-89	0	0.0%
90-94	0	0.0%
95-99	0	0.0%
100	0	0.0%

Total # of Clams	161
Total # of Clams > 50.8mm	2
% of clams > 50.8mm	1.24%
Total Average Bu./Acre	17.44
Total Avg. Bu./Acre > 50.8mm	2.49
Total standing crop (bu)	43
Total standing crop > 50.8mm	6
% of crop > 50.8mm	14.30%

### 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



## Soft-shell Clam Survey Projections

**Flat:** Laurel Cove  
**Town:** Harpswell  
**Date:** 9/14/2017

**Area (ac):** 2.6  
**Density (bu/a):** 17.82  
**Crop (bu):** 46

**Percent Legal:** 6.21%  
**Proj. Harvest (bu):** 20

### Harvest Parameters

#### Commercial

Efficiency: 0.70  
Effort (d.): 200  
Catch (bu): 1.5

#### Recreational

Efficiency: 0.33  
Effort (d.): 10  
Catch (bu): 0.25

**Commercial Licenses:** 0  
**-or-**  
**Recreational Licenses:** 3

### LICENSE NUMBERS FORMULA\*

No. of License = (Projected Harvest x Digger Efficiency) / ( Effort in Days x Average Catch in Bushels)

Projected Harvest = Legal Clam Bushels + (Sublegal Clam Bushels x Rate of Entry)

Rate of Entry = Survival Rate x Yearly Proportion of Sublegals Reaching Legal Size

Estimated Survival Rate = 80%

Estimated Yearly Proportion Of Sublegals Reaching Legal Size = 50%

# Survey Results

TOWN: Harpswell  
 FLAT: Laurel Cove  
 CREW: Deputy Welsh / Deputy McIntire

PLOT SIZE: 1' x 2'  
 PLOT INTERVAL: 100'  
 PLOTS: 80

DATE: 9/14/17

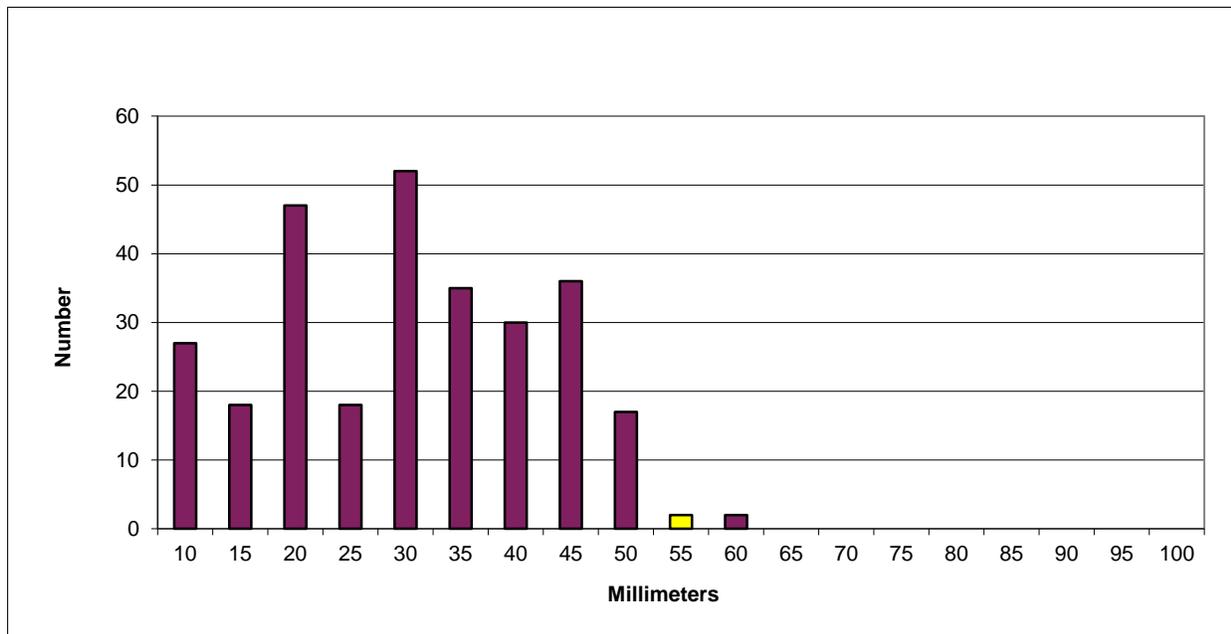
ACRES: 2.6

Length (mm)	# of Clams	% Number
10-14	27	9.5%
15-19	18	6.3%
20-24	47	16.5%
25-29	18	6.3%
30-34	52	18.3%
35-39	35	12.3%
40-44	30	10.6%
45-49	36	12.7%
50-54	17	6.0%
55-59	2	0.7%
60-64	2	0.7%
65-69	0	0.0%
70-74	0	0.0%
75-79	0	0.0%
80-84	0	0.0%
85-89	0	0.0%
90-94	0	0.0%
95-99	0	0.0%
100	0	0.0%

Total # of Clams	284
Total # of Clams > 50.8mm	4
% of clams > 50.8mm	1.41%
Total Average Bu./Acre	17.82
Total Avg. Bu./Acre > 50.8mm	1.11
Total standing crop (bu)	46
Total standing crop > 50.8mm	3
% of crop > 50.8mm	6.21%

### 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



## Soft-shell Clam Survey Projections

**Flat:** Mushroom  
**Town:** Harpswell  
**Date:** 9/12/2017

**Area (ac):** 4.6  
**Density (bu/a):** 1.14  
**Crop (bu):** 5

**Percent Legal:** 0.00%  
**Proj. Harvest (bu):** 2

### Harvest Parameters

#### Commercial

Efficiency: 0.70  
Effort (d.): 200  
Catch (bu): 1.5

#### Recreational

Efficiency: 0.33  
Effort (d.): 10  
Catch (bu): 0.25

**Commercial Licenses:** 0

**-or-**

**Recreational Licenses:** 0

### LICENSE NUMBERS FORMULA\*

No. of License = (Projected Harvest x Digger Efficiency) / ( Effort in Days x Average Catch in Bushels)

Projected Harvest = Legal Clam Bushels + (Sublegal Clam Bushels x Rate of Entry)

Rate of Entry = Survival Rate x Yearly Proportion of Sublegals Reaching Legal Size

Estimated Survival Rate = 80%

Estimated Yearly Proportion Of Sublegals Reaching Legal Size = 50%

# Survey Results

TOWN: Harpswell  
 FLAT: Mushroom  
 CREW: Deputy Welsh / Deputy McIntire

PLOT SIZE: 1' x 2'  
 PLOT INTERVAL: 100'  
 PLOTS: 80

DATE: 9/12/17

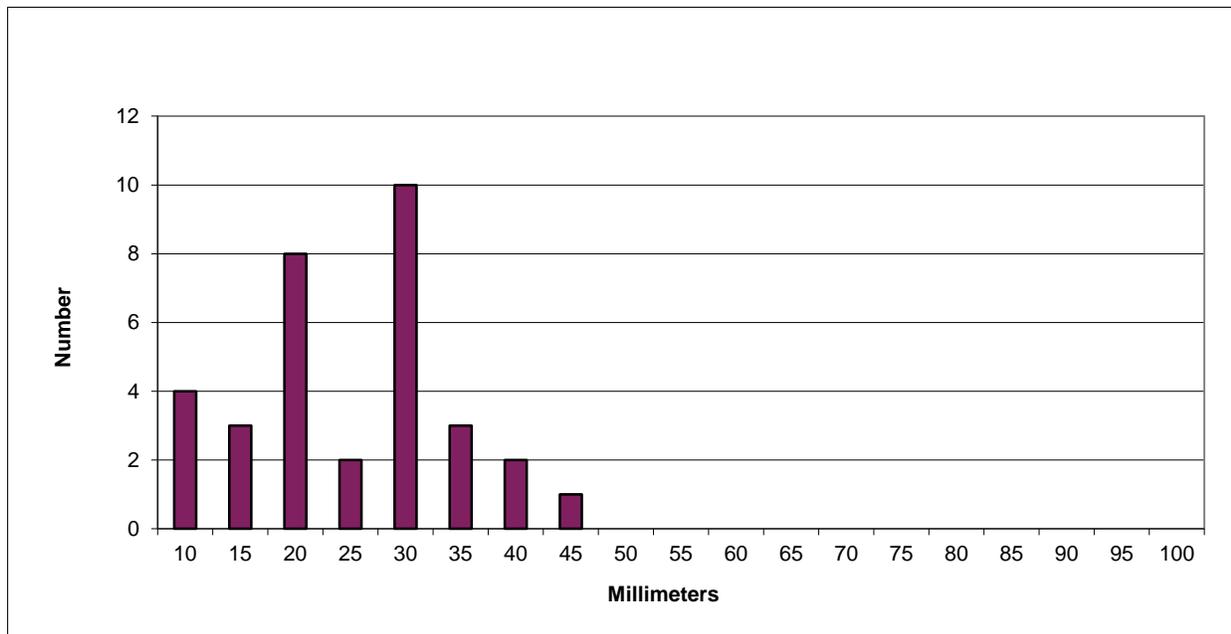
ACRES: 4.6

Length (mm)	# of Clams	% Number
10-14	4	12.1%
15-19	3	9.1%
20-24	8	24.2%
25-29	2	6.1%
30-34	10	30.3%
35-39	3	9.1%
40-44	2	6.1%
45-49	1	3.0%
50-54	0	0.0%
55-59	0	0.0%
60-64	0	0.0%
65-69	0	0.0%
70-74	0	0.0%
75-79	0	0.0%
80-84	0	0.0%
85-89	0	0.0%
90-94	0	0.0%
95-99	0	0.0%
100	0	0.0%

Total # of Clams	33
Total # of Clams > 50.8mm	0
% of clams > 50.8mm	0.00%
Total Average Bu./Acre	1.14
Total Avg. Bu./Acre > 50.8mm	0.00
Total standing crop (bu)	5
Total standing crop > 50.8mm	0
% of crop > 50.8mm	0.00%

### 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



## Soft-shell Clam Survey Projections

**Flat:** Dakhurst Island  
**Town:** Harpswell  
**Date:** 8/17/2017

**Area (ac):** 2.9  
**Density (bu/a):** 2.84  
**Crop (bu):** 8

**Percent Legal:** 0.00%  
**Proj. Harvest (bu):** 3

### Harvest Parameters

#### Commercial

Efficiency: 0.70  
Effort (d.): 200  
Catch (bu): 1.5

#### Recreational

Efficiency: 0.33  
Effort (d.): 10  
Catch (bu): 0.25

**Commercial Licenses:** 0

-or-

**Recreational Licenses:** 0

### LICENSE NUMBERS FORMULA\*

No. of License = (Projected Harvest x Digger Efficiency) / ( Effort in Days x Average Catch in Bushels)

Projected Harvest = Legal Clam Bushels + (Sublegal Clam Bushels x Rate of Entry)

Rate of Entry = Survival Rate x Yearly Proportion of Sublegals Reaching Legal Size

Estimated Survival Rate = 80%

Estimated Yearly Proportion Of Sublegals Reaching Legal Size = 50%

# Survey Results

TOWN: Harpswell  
 FLAT: Oakhurst Island  
 CREW: Deputy Welsh / Deputy McIntire

PLOT SIZE: 1' x 2'  
 PLOT INTERVAL: 100'  
 PLOTS: 35

DATE: 8/17/17

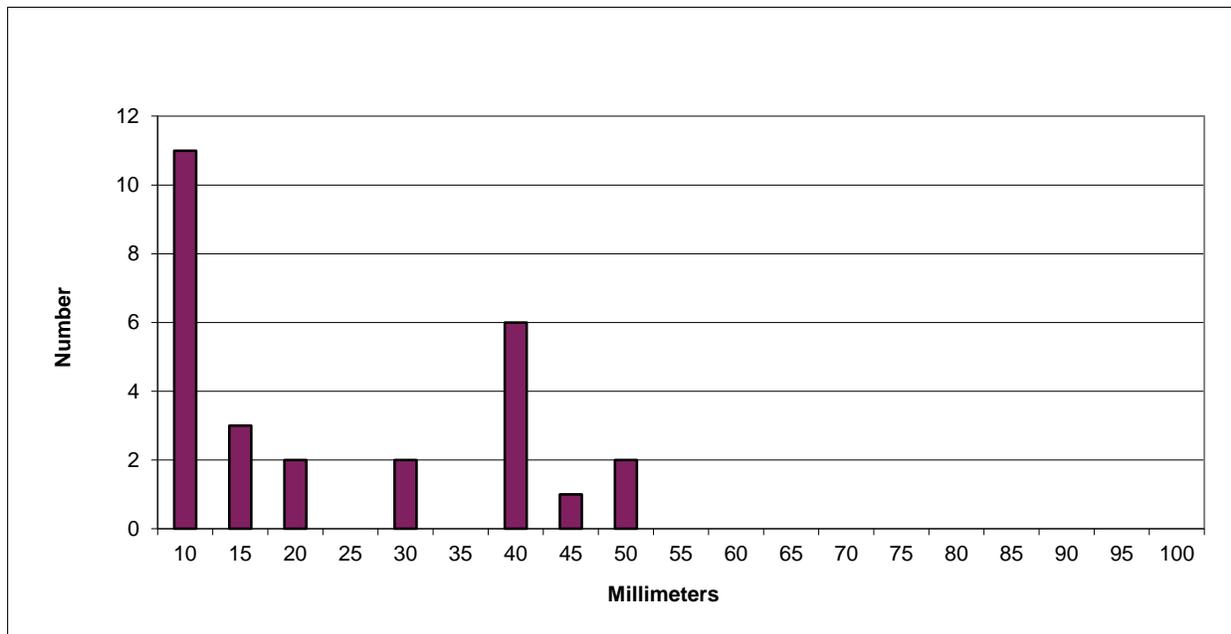
ACRES: 2.9

Length (mm)	# of Clams	% Number
10-14	11	40.7%
15-19	3	11.1%
20-24	2	7.4%
25-29	0	0.0%
30-34	2	7.4%
35-39	0	0.0%
40-44	6	22.2%
45-49	1	3.7%
50-54	2	7.4%
55-59	0	0.0%
60-64	0	0.0%
65-69	0	0.0%
70-74	0	0.0%
75-79	0	0.0%
80-84	0	0.0%
85-89	0	0.0%
90-94	0	0.0%
95-99	0	0.0%
100	0	0.0%

Total # of Clams	27
Total # of Clams > 50.8mm	0
% of clams > 50.8mm	0.00%
Total Average Bu./Acre	2.84
Total Avg. Bu./Acre > 50.8mm	0.00
Total standing crop (bu)	8
Total standing crop > 50.8mm	0
% of crop > 50.8mm	0.00%

### 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



## Soft-shell Clam Survey Projections

**Flat:** Rich Cove  
**Town:** Harpswell  
**Date:** 9/5/2017

**Area (ac):** 4.4  
**Density (bu/a):** 33.74  
**Crop (bu):** 148

**Percent Legal:** 0.00%  
**Proj. Harvest (bu):** 59

### Harvest Parameters

#### Commercial

Efficiency: 0.70  
Effort (d.): 200  
Catch (bu): 1.5

#### Recreational

Efficiency: 0.33  
Effort (d.): 10  
Catch (bu): 0.25

**Commercial Licenses:** 0  
**-or-**  
**Recreational Licenses:** 8

### LICENSE NUMBERS FORMULA\*

No. of License = (Projected Harvest x Digger Efficiency) / ( Effort in Days x Average Catch in Bushels)

Projected Harvest = Legal Clam Bushels + (Sublegal Clam Bushels x Rate of Entry)

Rate of Entry = Survival Rate x Yearly Proportion of Sublegals Reaching Legal Size

Estimated Survival Rate = 80%

Estimated Yearly Proportion Of Sublegals Reaching Legal Size = 50%

# Survey Results

TOWN: Harpswell  
 FLAT: Rich Cove  
 CREW: Deputy Welsh / Deputy McIntire

PLOT SIZE: 1' x 2'  
 PLOT INTERVAL: 100'  
 PLOTS: 67

DATE: 9/5/17

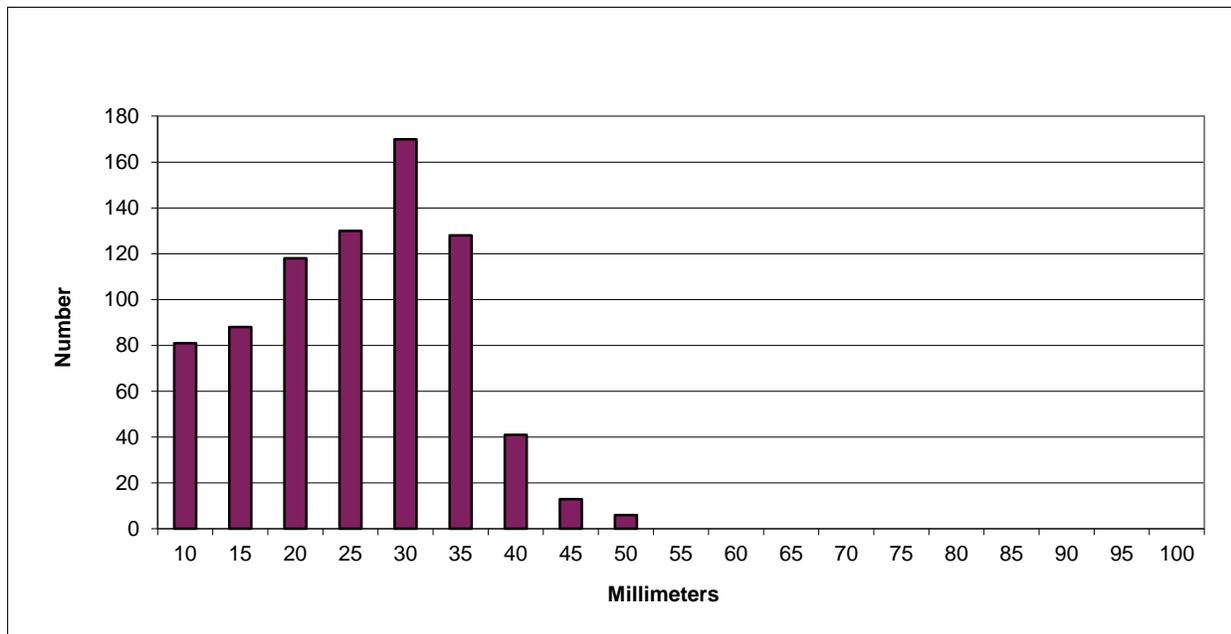
ACRES: 4.4

Length (mm)	# of Clams	% Number
10-14	81	10.5%
15-19	88	11.4%
20-24	118	15.2%
25-29	130	16.8%
30-34	170	21.9%
35-39	128	16.5%
40-44	41	5.3%
45-49	13	1.7%
50-54	6	0.8%
55-59	0	0.0%
60-64	0	0.0%
65-69	0	0.0%
70-74	0	0.0%
75-79	0	0.0%
80-84	0	0.0%
85-89	0	0.0%
90-94	0	0.0%
95-99	0	0.0%
100	0	0.0%

Total # of Clams	775
Total # of Clams > 50.8mm	0
% of clams > 50.8mm	0.00%
Total Average Bu./Acre	33.74
Total Avg. Bu./Acre > 50.8mm	0.00
Total standing crop (bu)	148
Total standing crop > 50.8mm	0
% of crop > 50.8mm	0.00%

### 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



## Soft-shell Clam Survey Projections

**Flat:** Ridley Cove  
**Town:** Harpswell  
**Date:** 10/31/2017

**Area (ac):** 0.4  
**Density (bu/a):** 15.60  
**Crop (bu):** 7

**Percent Legal:** 100.00%  
**Proj. Harvest (bu):** 7

### Harvest Parameters

#### Commercial

Efficiency: 0.70  
Effort (d.): 200  
Catch (bu): 1.5

#### Recreational

Efficiency: 0.33  
Effort (d.): 10  
Catch (bu): 0.25

**Commercial Licenses:** 0

**-or-**

**Recreational Licenses:** 1

### LICENSE NUMBERS FORMULA\*

No. of License = (Projected Harvest x Digger Efficiency) / ( Effort in Days x Average Catch in Bushels)

Projected Harvest = Legal Clam Bushels + (Sublegal Clam Bushels x Rate of Entry)

Rate of Entry = Survival Rate x Yearly Proportion of Sublegals Reaching Legal Size

Estimated Survival Rate = 80%

Estimated Yearly Proportion Of Sublegals Reaching Legal Size = 50%

# Survey Results

TOWN: Harpswell  
 FLAT: Ridley Cove  
 CREW: Deputy Welsh / Deputy McIntire

PLOT SIZE: 1' x 2'  
 PLOT INTERVAL: 100'  
 PLOTS: 20

DATE: 10/31/17

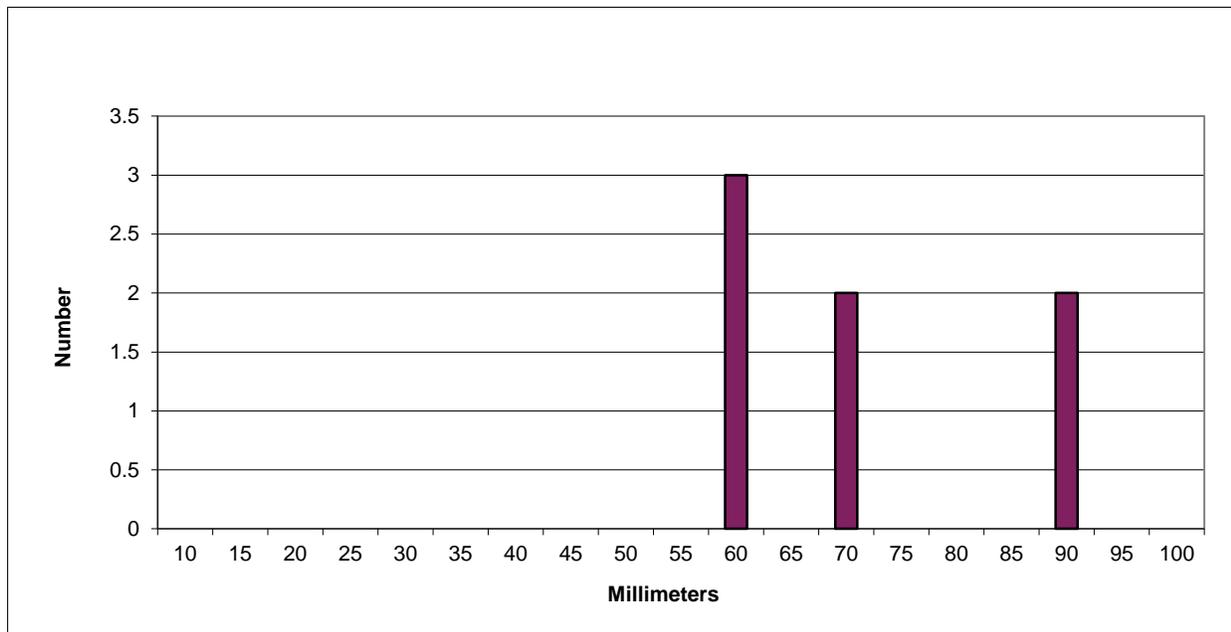
ACRES: 0.4

Length (mm)	# of Clams	% Number
10-14	0	0.0%
15-19	0	0.0%
20-24	0	0.0%
25-29	0	0.0%
30-34	0	0.0%
35-39	0	0.0%
40-44	0	0.0%
45-49	0	0.0%
50-54	0	0.0%
55-59	0	0.0%
60-64	3	42.9%
65-69	0	0.0%
70-74	2	28.6%
75-79	0	0.0%
80-84	0	0.0%
85-89	0	0.0%
90-94	2	28.6%
95-99	0	0.0%
100	0	0.0%

Total # of Clams	7
Total # of Clams > 50.8mm	7
% of clams > 50.8mm	#####
Total Average Bu./Acre	15.60
Total Avg. Bu./Acre > 50.8mm	15.60
Total standing crop (bu)	7
Total standing crop > 50.8mm	7
% of crop > 50.8mm	#####

### 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



## Soft-shell Clam Survey Projections

**Flat:** The Dam  
**Town:** Harpswell  
**Date:** 6/9/2017

**Area (ac):** 4.0  
**Density (bu/a):** 98.86  
**Crop (bu):** 395

**Percent Legal:** 2.89%  
**Proj. Harvest (bu):** 165

### Harvest Parameters

#### Commercial

Efficiency: 0.70  
Effort (d.): 200  
Catch (bu): 1.5

#### Recreational

Efficiency: 0.33  
Effort (d.): 10  
Catch (bu): 0.25

**Commercial Licenses:** 0

**-or-**

**Recreational Licenses:** 22

### LICENSE NUMBERS FORMULA\*

No. of License = (Projected Harvest x Digger Efficiency) / ( Effort in Days x Average Catch in Bushels)

Projected Harvest = Legal Clam Bushels + (Sublegal Clam Bushels x Rate of Entry)

Rate of Entry = Survival Rate x Yearly Proportion of Sublegals Reaching Legal Size

Estimated Survival Rate = 80%

Estimated Yearly Proportion Of Sublegals Reaching Legal Size = 50%

### Survey Results

TOWN: Harpswell  
 FLAT: The Dam  
 CREW: Deputy Welsh / Deputy Bradbury

PLOT SIZE: 1' x 2'  
 PLOT INTERVAL: 100'  
 PLOTS: 29

DATE: 6/9/17

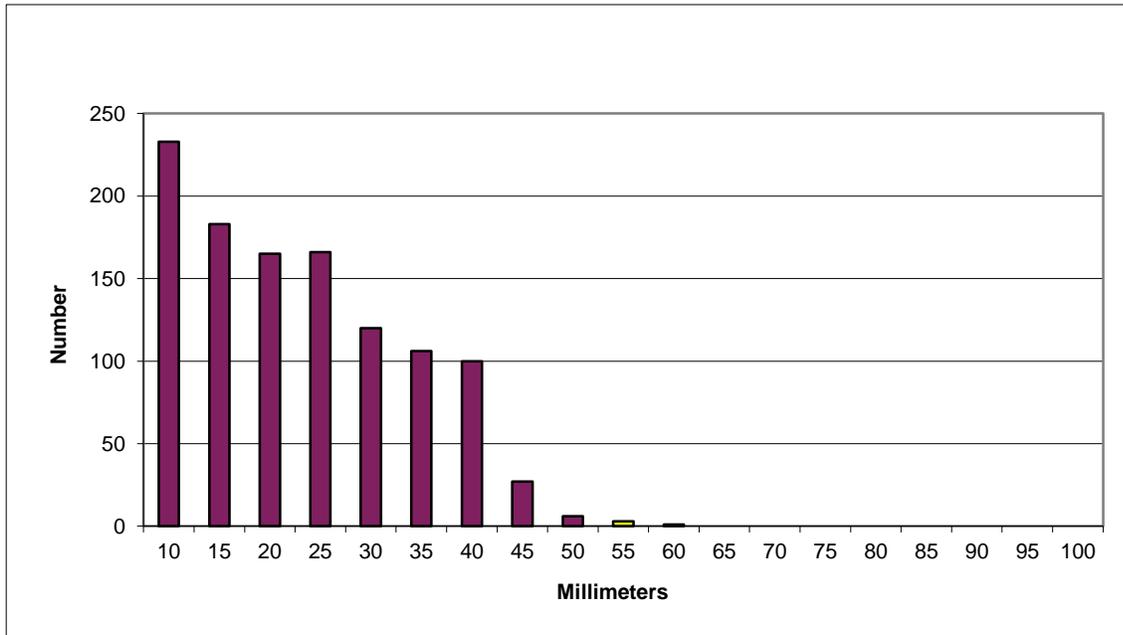
ACRES: 4.0

Length (mm)	# of Clams	% Number
10-14	233	21.0%
15-19	183	16.5%
20-24	165	14.9%
25-29	166	15.0%
30-34	120	10.8%
35-39	106	9.5%
40-44	100	9.0%
45-49	27	2.4%
50-54	6	0.5%
55-59	3	0.3%
60-64	1	0.1%
65-69	0	0.0%
70-74	0	0.0%
75-79	0	0.0%
80-84	0	0.0%
85-89	0	0.0%
90-94	0	0.0%
95-99	0	0.0%
100	0	0.0%

Total # of Clams	1110
Total # of Clams > 50.8mm	4
% of clams > 50.8mm	0.36%
Total Average Bu./Acre	98.86
Total Avg. Bu./Acre > 50.8mm	2.86
Total standing crop (bu)	395
Total standing crop > 50.8mm	11
% of crop > 50.8mm	2.89%

**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



## Soft-shell Clam Survey Projections

**Flat:** ndreaus Pt Cove  
**Town:** Harpswell  
**Date:** 10/24/2017

**Area (ac):** 6.3  
**Density (bu/a):** 5.16  
**Crop (bu):** 33

**Percent Legal:** 54.59%  
**Proj. Harvest (bu):** 24

### Harvest Parameters

#### Commercial

Efficiency: 0.70  
Effort (d.): 200  
Catch (bu): 1.5

#### Recreational

Efficiency: 0.33  
Effort (d.): 10  
Catch (bu): 0.25

**Commercial Licenses:** 0

**-or-**

**Recreational Licenses:** 3

### LICENSE NUMBERS FORMULA\*

No. of License = (Projected Harvest x Digger Efficiency) / ( Effort in Days x Average Catch in Bushels)

Projected Harvest = Legal Clam Bushels + (Sublegal Clam Bushels x Rate of Entry)

Rate of Entry = Survival Rate x Yearly Proportion of Sublegals Reaching Legal Size

Estimated Survival Rate = 80%

Estimated Yearly Proportion Of Sublegals Reaching Legal Size = 50%

# Survey Results

TOWN: Harpswell  
 FLAT: Tondreaus Pt Cove  
 CREW: Deputy Welsh / Deputy McIntire

PLOT SIZE: 1' x 2'  
 PLOT INTERVAL: 100'  
 PLOTS: 60

DATE: 10/24/17

ACRES: 6.3

Length (mm)	# of Clams	% Number
10-14	2	5.0%
15-19	3	7.5%
20-24	5	12.5%
25-29	3	7.5%
30-34	11	27.5%
35-39	3	7.5%
40-44	2	5.0%
45-49	4	10.0%
50-54	1	2.5%
55-59	0	0.0%
60-64	3	7.5%
65-69	3	7.5%
70-74	0	0.0%
75-79	0	0.0%
80-84	0	0.0%
85-89	0	0.0%
90-94	0	0.0%
95-99	0	0.0%
100	0	0.0%

Total # of Clams	40
Total # of Clams > 50.8mm	6
% of clams > 50.8mm	15.00%
Total Average Bu./Acre	5.16
Total Avg. Bu./Acre > 50.8mm	2.82
Total standing crop (bu)	33
Total standing crop > 50.8mm	18
% of crop > 50.8mm	54.59%

### 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

