Community clam culture in Eastern Maine
Kyle Pepperman; Brian Beal; Justin Lewis; Ben Ellis; Cody Jourdet
Removing/cleaning nets

Sampling plots

Photos by Bill Zoellick
Photos of core sample results
Hatchery Mark
Survival results of Netted vs. Unnetted plots from all sites

Hatchery seed
N = 150

Average Percent Survival (+ 95% CI)

Netted plots
Unnetted plots
Survival results of Netted plots across all sites

Average Percent Survival (+95% CI)

Gouldsboro  | Steuben  | Milbridge | Addison | Machiasport | Pembroke

Netted Plots
Hatchery Seed
Growth of hatchery seed from Netted plots from all sites

- **ABSOLUTE GROWTH**: 0.75 inches
- **FINAL LENGTH**: 1.25 inches
Growth of hatchery seed from Netted plots across all sites
What about wild recruits?
Recruitment of wild clams in Netted vs. Unnetted plots from all sites.

Wild Recruits
N = 150
Recruitment of wild clams in Netted plots from each site.

Average Number Per Square Foot (+ 95% CI)

- Gouldsboro: 515/ft²

Other sites: Steuben, Milbridge, Addison, Machiasport, Pembroke
Recruitment of wild clams in Netted plots from each site (Except Gouldsboro)

Netted Plots
Wild Recruits

Average Number Per Square Foot (+ 95% CI)

Gouldsboro
Steuben
Milbridge
Addison
Machiasport
Pembroke

100/ft²
Which Site to Choose??????

Bar Island

Flat Bay

Bar Island

Steuben

Milbridge
Sensor Plant Pots help identify productive growing areas.
Survival of hatchery seed in plant pots

Bar

83.3%

Flat

56.7%

Milbridge

n = 15
Growth of hatchery seed in plant pots

Average Absolute Growth (mm) (+ 95% CI)

<table>
<thead>
<tr>
<th>Average final length</th>
<th>Bar</th>
<th>Flat</th>
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<tbody>
<tr>
<td>Milbridge</td>
<td>1.61-inches</td>
<td>0.98-inches</td>
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<td>(n = 15)</td>
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Recruitment of wild clams in plant pots

Milbridge (Plant Pots)  
$n = 15$

- Bar: 21.1/ft$^2$
- Flat: 35.3/ft$^2$
The most important element of a successful municipal management program?

LEADERSHIP!

Gouldsboro-> Mike Pinkham (Gouldsboro/Steuben Shellfish Warden)

Steuben-> Dan Curtis (Steuben Shellfish Committee Chair)

Milbridge-> Lewis Pinkham (Milbridge Town Manager)

Addison-> Judy Rolfe (Cochairman/Secretary Addison Shellfish Committee)

Machiasport-> Mike Murphy (Machiasport Shellfish Committee Chair)

Pembroke/Perry-> Milan Jameson (Pembroke Town Selectman)