

**Table 6.** Analysis of variance on the arcsine-transformed percent survival data for large surfclams (SL = 26.4 ± 1.5 mm) at Mud Hole Cove, Beals, Maine (3 December 2021). Experiment was initiated on 1 April 2021. Statistically significant sources of variation are boldfaced and in red. (n = 5)

Source	DF	Type I SS	Mean Square	F Value	Pr > F
<b>Box Size</b>	<b>1</b>	<b>8888.141433</b>	<b>8888.141433</b>	<b>9.99</b>	<b>0.0027</b>
<b>Top Thickness</b>	<b>1</b>	<b>3010.287465</b>	<b>3010.287465</b>	<b>3.38</b>	<b>0.0720</b>
<b>Size x Thickness</b>	<b>1</b>	<b>2306.789742</b>	<b>2306.789742</b>	<b>2.59</b>	<b>0.1139</b>
<b>Density</b>	<b>2</b>	<b>2975.778557</b>	<b>1487.889278</b>	<b>1.67</b>	<b>0.1985</b>
<b>Size x Density</b>	<b>2</b>	<b>3197.138430</b>	<b>1598.569215</b>	<b>1.80</b>	<b>0.1767</b>
<b>Top x Density</b>	<b>2</b>	<b>4190.741211</b>	<b>2095.370605</b>	<b>2.36</b>	<b>0.1057</b>
<b>Size x Thickness x Density</b>	<b>2</b>	<b>3298.913245</b>	<b>1649.456622</b>	<b>1.85</b>	<b>0.1676</b>
<b>Error</b>	<b>48</b>	<b>42695.293950</b>	<b>889.48529</b>		
<b>Corrected Total</b>	<b>59</b>	<b>70563.084033</b>			

**Table 7.** Analysis of variance on the untransformed mean absolute growth (final SL - initial SL) of large surfclams at Mud Hole Cove, Beals, Maine (1 April to 3 December 2021). Live surfclams were recovered from 39 of 60 boxes making for an unbalanced data set. Type III sums of squares were used in all hypothesis tests.

Source	DF	Type III SS	Mean Square	F Value	Pr > F
<b>Box Size</b>	<b>1</b>	<b>28.12535872</b>	<b>28.12535872</b>	<b>3.72</b>	<b>0.0642</b>
<b>Top Thickness</b>	<b>1</b>	<b>22.38177476</b>	<b>22.38177476</b>	<b>2.96</b>	<b>0.0967</b>
<b>Size x Thickness</b>	<b>1</b>	<b>10.87262539</b>	<b>10.87262539</b>	<b>1.44</b>	<b>0.2407</b>
<b>Density</b>	<b>2</b>	<b>3.17786778</b>	<b>1.58893389</b>	<b>0.21</b>	<b>0.8116</b>
<b>Size x Density</b>	<b>2</b>	<b>24.22999590</b>	<b>12.11499795</b>	<b>1.60</b>	<b>0.2197</b>
<b>Top x Density</b>	<b>2</b>	<b>25.73087594</b>	<b>12.86543797</b>	<b>1.70</b>	<b>0.2011</b>
<b>Size x Thickness x Density</b>	<b>2</b>	<b>1.54721975</b>	<b>0.77360988</b>	<b>0.10</b>	<b>0.9030</b>
<b>Error</b>	<b>27</b>	<b>203.97799060</b>	<b>7.55474040</b>		
<b>Corrected Total</b>	<b>38</b>	<b>363.81755794</b>			

**Table 8.** Analysis of variance on the arcsine-transformed percent survival data for small surfclams (SL = 13.2± 0.74 mm) at Mud Hole Cove, Beals, Maine (3 December 2021). Experiment was initiated on 1 April 2021. Statistically significant sources of variation are boldfaced and in red. (n = 5)

Source	DF	Type I SS	Mean Square	F Value	Pr > F
<b>Box Size</b>	<b>1</b>	<b>1652.581111</b>	<b>1652.581111</b>	<b>5.10</b>	<b>0.0285</b>
<b>Top Thickness</b>	<b>1</b>	<b>692.471409</b>	<b>692.471409</b>	<b>2.14</b>	<b>0.1504</b>
<b>Size x Thickness</b>	<b>1</b>	<b>175.007024</b>	<b>175.007024</b>	<b>0.54</b>	<b>0.4660</b>
<b>Density</b>	<b>2</b>	<b>2424.756580</b>	<b>1212.378290</b>	<b>3.74</b>	<b>0.0309</b>
<b>Size x Density</b>	<b>2</b>	<b>2224.899573</b>	<b>1112.449786</b>	<b>3.43</b>	<b>0.0404</b>
<b>Top x Density</b>	<b>2</b>	<b>241.168952</b>	<b>120.584476</b>	<b>0.37</b>	<b>0.6913</b>
<b>Size x Thickness x Density</b>	<b>2</b>	<b>209.545187</b>	<b>104.772594</b>	<b>0.32</b>	<b>0.7254</b>
<b>Error</b>	<b>48</b>	<b>15557.901096</b>	<b>324.12294</b>		
<b>Corrected Total</b>	<b>59</b>	<b>23178.330932</b>			

**Table 9.** Analysis of variance on the untransformed mean absolute growth (final SL - initial SL) of small surfclams at Mud Hole Cove, Beals, Maine (1 April to 3 December 2021). Live surfclams were recovered from 38 of 60 boxes making for an unbalanced data set. A priori contrasts are shown for the Density and Box Size x Thickness x Density source of variation. Type III sums of squares were used in all hypothesis tests. Statistically significant sources of variation are boldfaced and in red.

Source	DF	Type III SS	Mean Square	F Value	Pr > F
<b>Box Size</b>	<b>1</b>	<b>21.8109667</b>	<b>21.8109667</b>	<b>3.67</b>	<b>0.0664</b>
<b>Top Thickness</b>	<b>1</b>	<b>0.0429101</b>	<b>0.0429101</b>	<b>0.01</b>	<b>0.9329</b>
<b>Size x Thickness</b>	<b>1</b>	<b>9.9483574</b>	<b>9.9483574</b>	<b>1.68</b>	<b>0.2070</b>
<b>Density</b>	<b>2</b>	<b>48.1830389</b>	<b>24.0915195</b>	<b>4.06</b>	<b>0.0293</b>
<b>25 vs. 50 &amp; 100</b>	<b>1</b>	<b>46.7608893</b>	<b>46.7608893</b>	<b>7.87</b>	<b>0.0094</b>
<b>50 vs. 100</b>	<b>1</b>	<b>1.4221496</b>	<b>1.4221496</b>	<b>0.24</b>	<b>0.6283</b>
<b>Size x Density</b>	<b>2</b>	<b>18.8402519</b>	<b>9.4201259</b>	<b>1.59</b>	<b>0.2239</b>
<b>Top x Density</b>	<b>2</b>	<b>30.6386265</b>	<b>15.3193132</b>	<b>2.58</b>	<b>0.0951</b>
<b>Size x Thickness x Density</b>	<b>2</b>	<b>148.2246156</b>	<b>74.1123078</b>	<b>12.48</b>	<b>0.0002</b>
<b>S x T x 25 vs. 50 &amp; 100</b>	<b>1</b>	<b>9.4534933</b>	<b>9.4534933</b>	<b>1.59</b>	<b>0.2185</b>
<b>S x T x 50 vs. 100</b>	<b>1</b>	<b>138.7711223</b>	<b>138.7711223</b>	<b>23.37</b>	<b>&lt;0.0001</b>
<b>Error</b>	<b>26</b>	<b>154.4142250</b>	<b>5.9390087</b>		
<b>Corrected Total</b>	<b>37</b>	<b>474.1687061</b>			

**Table 10.** Analysis of variance on mean number of green crabs from experimental units at Mud Hole Cove, Beals Maine on 3 December 2021. Statistically significant sources of variation are boldfaced and in red. (n = 5)

Source	DF	Type I SS	Mean Square	F Value	Pr > F
<b>Box Size</b>	<b>1</b>	<b>20.4166667</b>	<b>20.4166667</b>	<b>4.38</b>	<b>0.0416</b>
<b>Top Thickness</b>	<b>1</b>	<b>16.0166667</b>	<b>16.0166667</b>	<b>3.44</b>	<b>0.0699</b>
<b>Size x Thickness</b>	<b>1</b>	<b>6.0166667</b>	<b>6.0166667</b>	<b>1.29</b>	<b>0.2614</b>
<b>Density</b>	<b>2</b>	<b>2.03333333</b>	<b>1.01666667</b>	<b>0.22</b>	<b>0.8047</b>
<b>Size x Density</b>	<b>2</b>	<b>5.43333333</b>	<b>2.71666667</b>	<b>0.58</b>	<b>0.5620</b>
<b>Top x Density</b>	<b>2</b>	<b>2.23333333</b>	<b>1.11666667</b>	<b>0.24</b>	<b>0.7878</b>
<b>Size x Thickness x Density</b>	<b>2</b>	<b>4.43333333</b>	<b>2.21666667</b>	<b>0.48</b>	<b>0.6243</b>
<b>Error</b>	<b>48</b>	<b>223.6000000</b>	<b>4.65833333</b>		
<b>Corrected Total</b>	<b>59</b>	<b>280.1833333</b>			