**The Effects of Regulations on the U.S. Salmonid Industry**

**Pennsylvania Findings**

Statewide results

<table>
<thead>
<tr>
<th>Regulatory Costs Per Year:</th>
<th>Statewide (total)</th>
<th>$169,885</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>On-farm (average)</td>
<td>$12,013</td>
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<th>Lost Revenue Per Year:</th>
<th>Lost market sales</th>
<th>$392,000</th>
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<td>Thwarted expansion attempts</td>
<td></td>
<td>$4,000</td>
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</tbody>
</table>

| Regulations substantially increased on-farm costs and constrained the industry’s ability to meet market demand. |

- **Regulations**
  - County regulations: 48%
  - EPA effluent discharge permitting: 28%
  - Fish health: 24%

- **Costs**
  - Manpower: 45%
  - Direct costs (testing, etc.): 42%
  - Permits/licenses: 12%
  - Farm-level changes: 1%

- **Lost Revenue**
  - Reduced production: $270,000
  - Lost market sales: $392,000
  - Thwarted expansion attempts: $4,000

- **Average Cost**
  - Regulatory costs per pound of production: $0.14
  - Regulatory costs of total farm costs: 2%
  - Average regulatory costs per farm: $12,013
  - Lost revenue due to regulatory costs: 13%
  - Lower than National average of 12% and 28% respectively.

For more information check the scientific article by Engle et al. (2019) J. World Aquacult. Soc. AEC-201NP | VSG-19-14

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