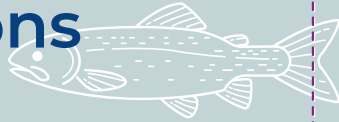


# The Effects of Regulations on the U.S. Salmonid Industry



## North Carolina Findings

Statewide results

85% EPA effluent discharge permitting

9% County regulations

5% Water access

1% Fish health

57% Farm-level changes

28% Manpower

14% Direct costs (testing, etc.)

1% Permits / licenses

Considered the most problematic regulation by the farmers

### REGULATORY COSTS PER YEAR:

Statewide (total)

\$ 966,940

On-farm (average)

\$ 87,025

### LOST REVENUE PER YEAR:

Thwarted expansion attempts

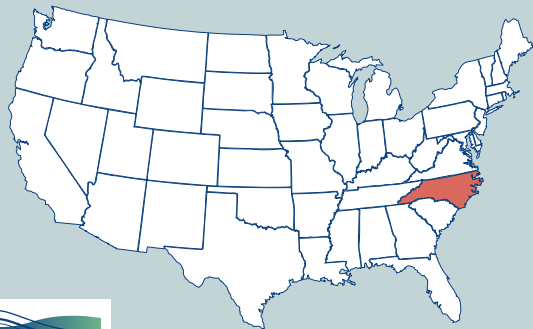
\$ 22.5 Million

Lost market sales

\$ 100,000

Reduced production

\$ 738,000



6%

Regulatory costs of total farm costs

Lower than National average of 12%

\$ 87,025

Average regulatory costs per farm

Lower than National average of \$150k

\$ 0.48

Average regulatory costs per pound of production

Lower than National average of \$1.23

Higher than National average of 28%

38%

Lost revenue due to regulatory costs

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

For more information check the scientific article by Engle et al. (2019) J. World Aquacult. Soc.

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