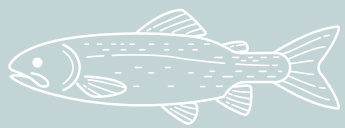


The Effects of Regulations on the U.S. Salmonid Industry



Michigan Findings

Statewide results

64% EPA effluent discharge permitting

24% County regulations

8% Fish health

4% Food safety

76% Manpower

12% Direct costs (testing, etc.)

11% Farm-level changes

1% Permits/licenses



REGULATORY COSTS PER YEAR:

Statewide (total)

\$ 552,086

On-farm (average)

\$ 91,094

LOST REVENUE PER YEAR:

Thwarted expansion attempts

\$ 0

Lost market sales

\$ 371,000

Reduced production

\$ 990,000



Higher than National average of 12%

19%

Regulatory costs of total farm costs

\$ 91,094

Average regulatory costs per farm

Lower than National average of \$1,50k

\$ 0.90

Average regulatory costs per pound of production

Lower than National average of \$1.23

Higher than National average of 28%

31%

Lost revenue due to regulatory costs

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



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

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