

# Tagart 1984: Fines and Coho Egg to Fry Surv.

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## Species Information

**Common Name:** Coho Salmon  
**Genus:** *Oncorhynchus kisutch*

## Stressor Details

**Stressor Name:** Fines  
**Units:** Rank Score  
**Metric:** Substrate Fine Coverage (<0.85mm)  
**Scale:** linear  
**Function Type:** continuous  
**Vital Rate/Process:** Survivorship

## Life Stage & Context

**Life Stages:** Egg  
**Geography:** Clearwater River, western Washington  
**Activity:** Incubation  
**Season:** Winter

## Descriptions

### Overview

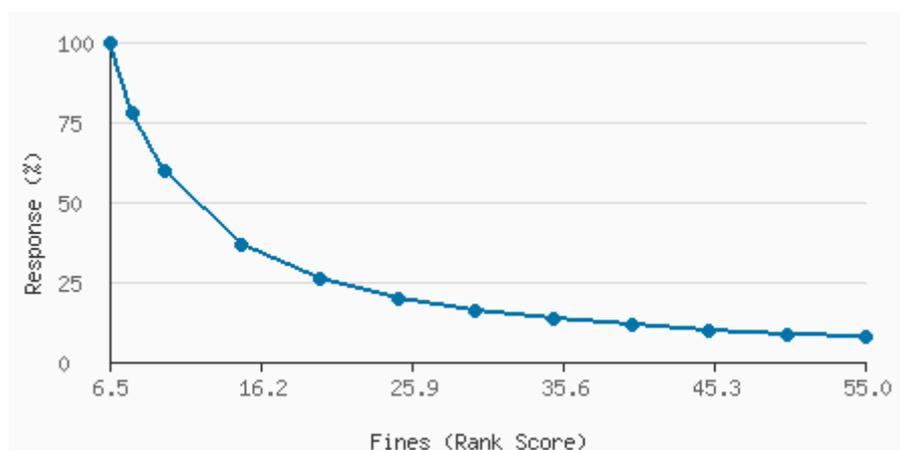
Excerpt from Lestelle et al., 2024:

"We employed the empirical relationship reported by Tagart (1984) for the effects of percent fine sediment (

### Stressor Magnitude Data

Field measurements

## Stressor Response Data



Raw Stressor Values	Scaled Response Values 0 to 100	SD	low.limit	up.limit
6.5	99.5	0	0	100
8	77.6	0	0	100

10	59.4	0	0	100
15	36.6	0	0	100
20	25.9	0	0	100
25	19.9	0	0	100
30	16	0	0	100
35	13.3	0	0	100
40	11.3	0	0	100
45	9.8	0	0	100
50	8.7	0	0	100
55	7.7	0	0	100

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## Citations

Lestelle, L. C., Mobrand, L. E., & McConnaha, W. E. (2004). Information structure of Ecosystem Diagnosis and Treatment (EDT) and habitat rating rules for Chinook salmon, Coho salmon, and Steelhead trout. Mobrand Biometrics, Inc. Copyright © 2004 Mobrand Biometrics, Inc. <https://www.webpages.uidaho.edu/fish510/PDF/coho%20ck%20rules.pdf>

Tagart, J. V. 1984. Coho salmon survival from egg deposition to fry emergence. in J. M. Walton and D. B. Jouston, editors. Proceedings of the Olympic wild fish conference. Peninsula College Fisheries Technology Program Port Angeles, WA.

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## References

Lestelle et al 2004 - <https://www.webpages.uidaho.edu/fish510/PDF/coho%20ck%20rules.pdf>

Tagart 1984 - <https://coastsalmonpartnership.egnyte.com/dl/odkEKJGTVI>