

# Friends of the Issaquah Salmon Hatchery

Many coho returning to the Issaquah Salmon Hatchery in 2023 exhibited the classic symptoms of 6PPD-q poisoning. (Picture attached). Unfortunately, a postmortem protocol had not been established at that time to confirm a prognosis. Stormwater sampling programs are being developed in this watershed, but it is critical that limits be set. Based on the information in the Technical Support Document, we support setting a limit of 8 ng/L.

- a) Given the enormous sensitivity of coho to 6PPD-q (>800 times that for Chinook) the EPA's single species alternative method makes much more sense than the WEB-ICE (multi-species) approach
- b) 8 ng/L is approximately 5-fold lower than the lowest 24-hour LC50 for coho salmon of 41 ng/L (Lo et al. 2023)
- c) The most sensitive individuals in the three coho salmon toxicity tests experienced mortality between 10-20 ng/L

Thank you,

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