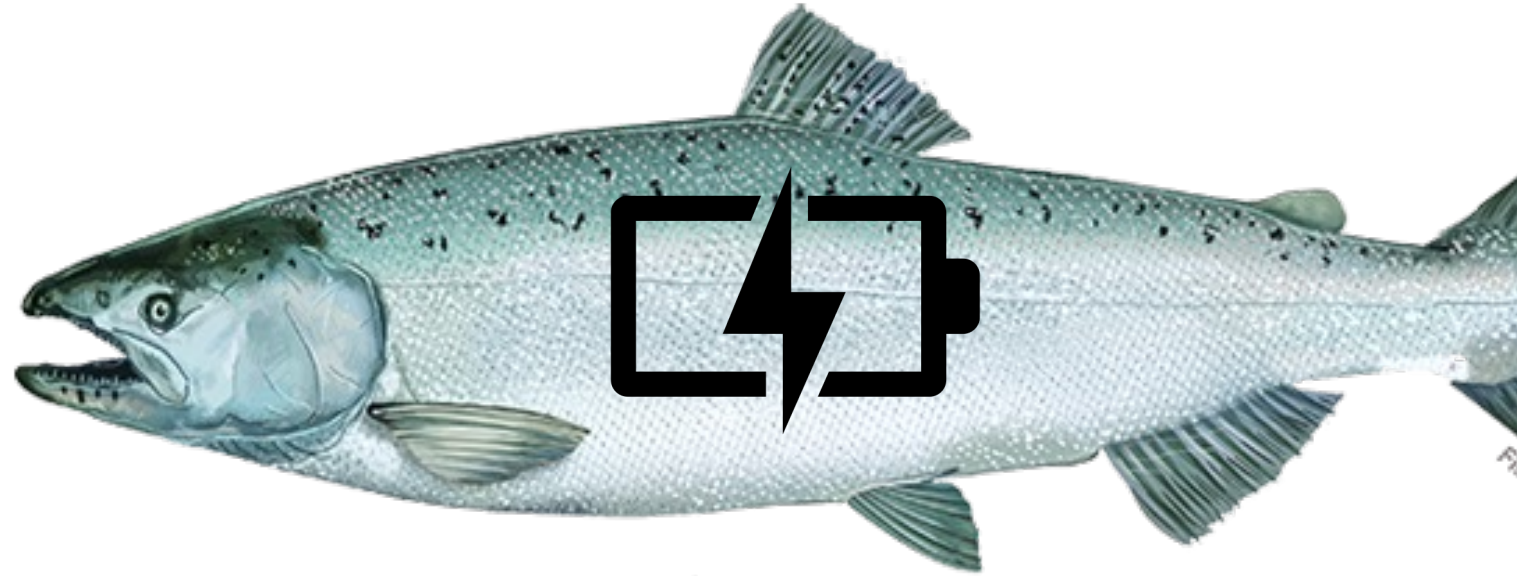


Metabolic Drivers of Yukon River Chinook Salmon Productivity



Katie Howard, Alaska Department of Fish and Game

Cody Pinger, NOAA Alaska Fisheries Science Center

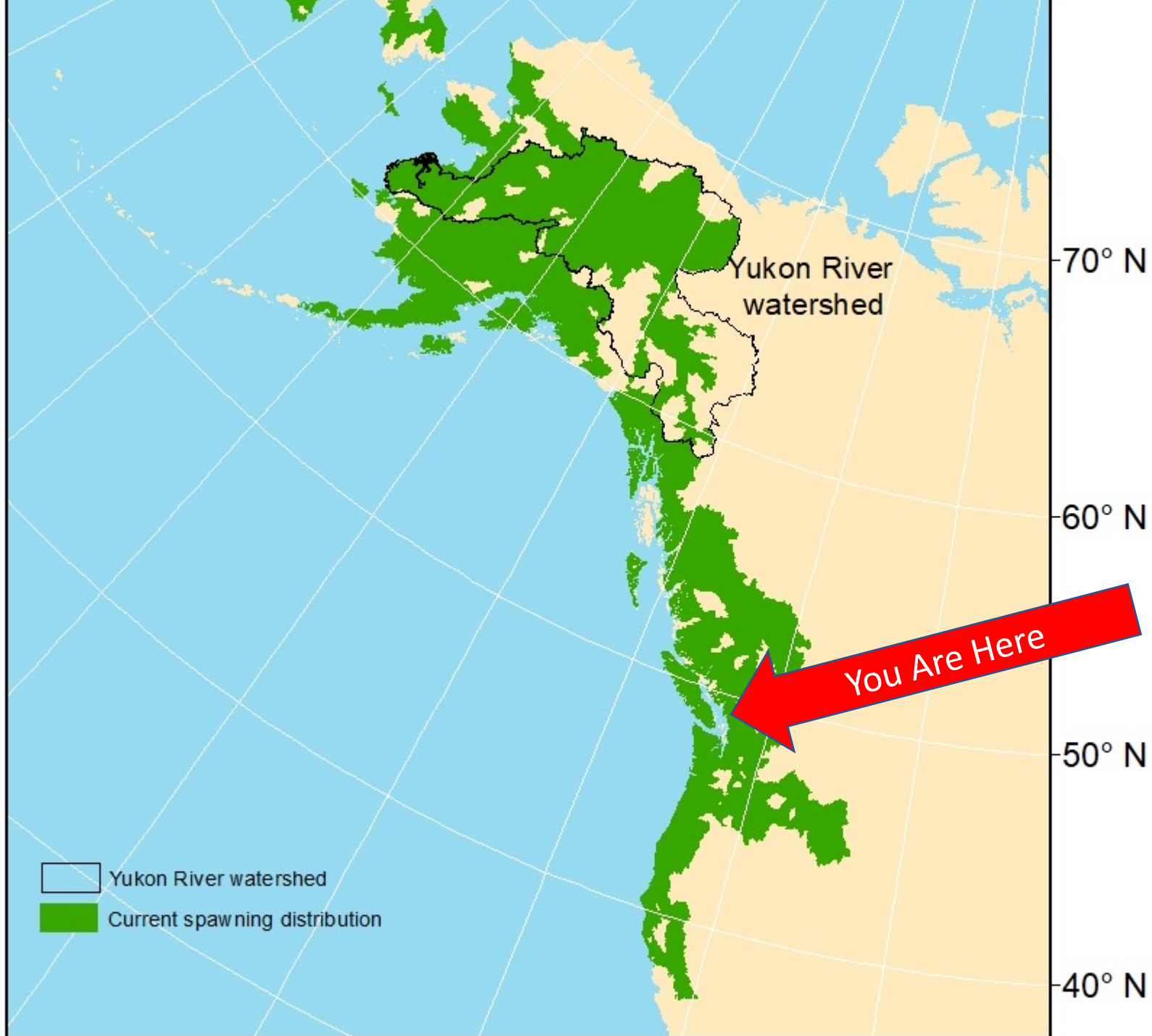
Vanessa von Biela, USGS Alaska Science Center

Stephen McCormick, USGS Conte Anadromous Fish Research Laboratory

Ben Gray, Alaska Department of Fish and Game

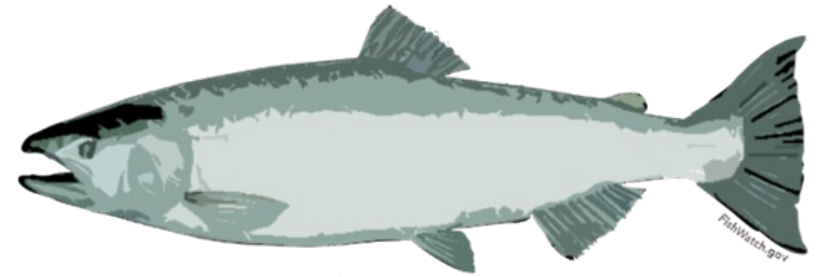
Elizabeth Lee, Alaska Department of Fish and Game

Sean Larson, Alaska Department of Fish and Game

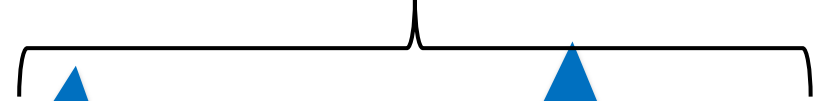








Chronic Poor

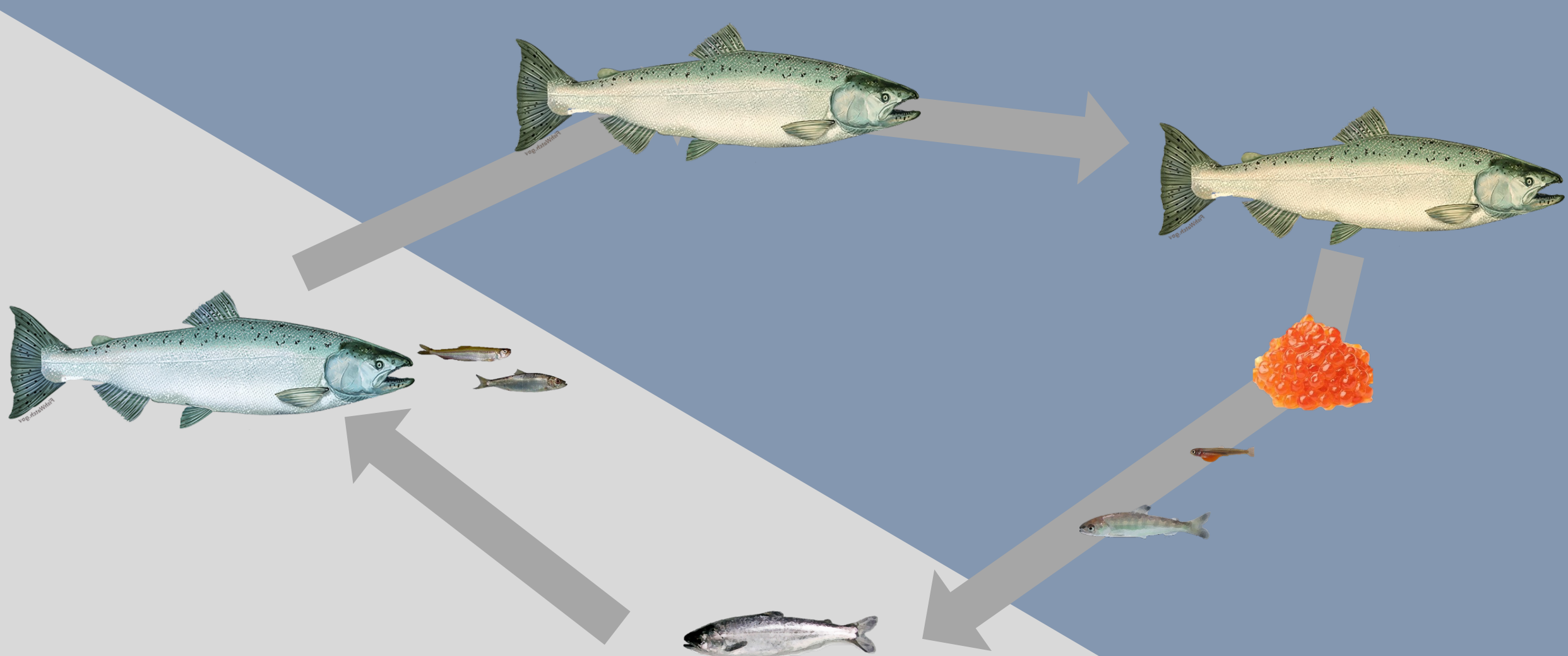


1981



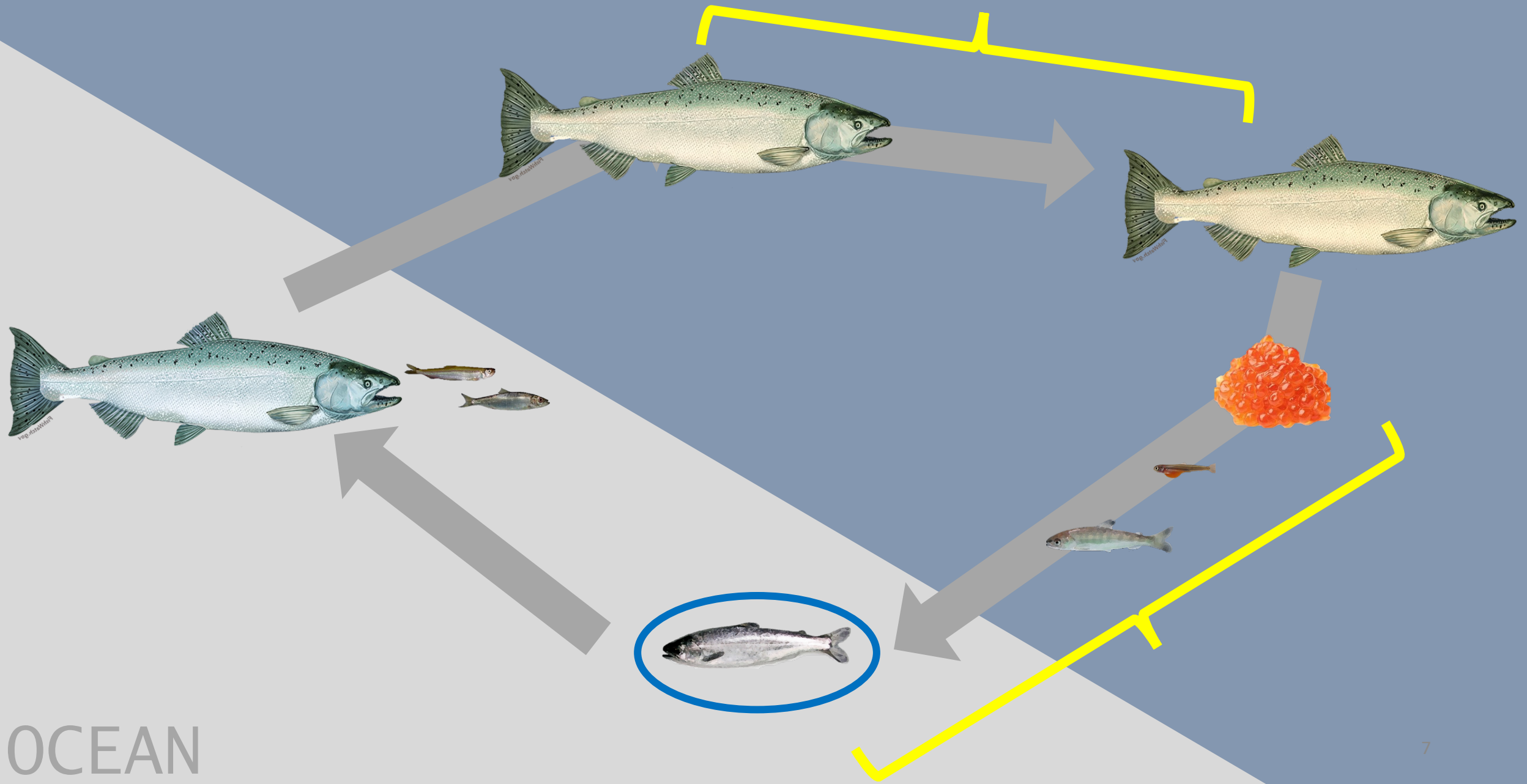
2021

RIVER



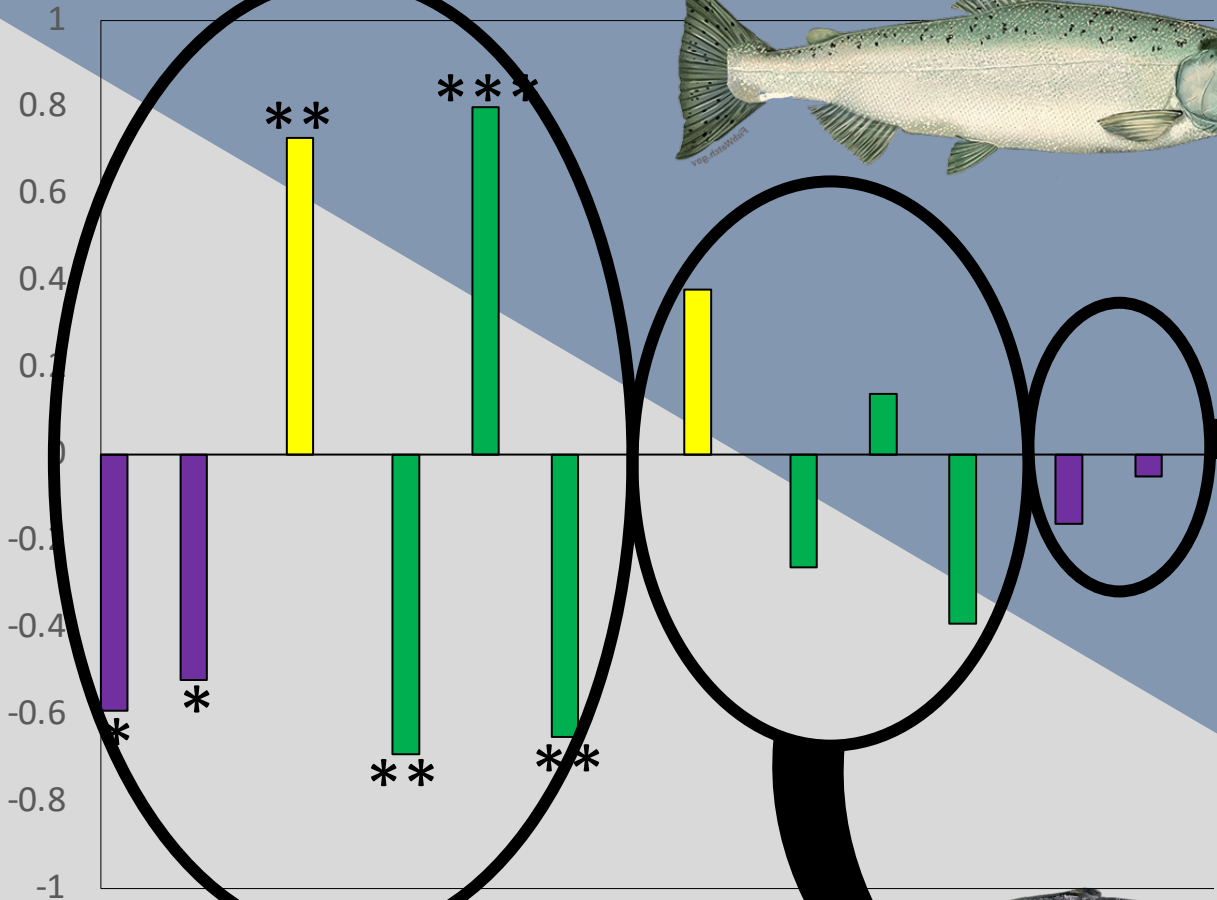
OCEAN

RIVER

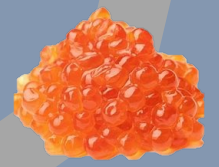
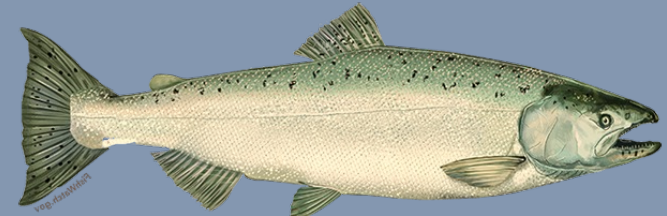
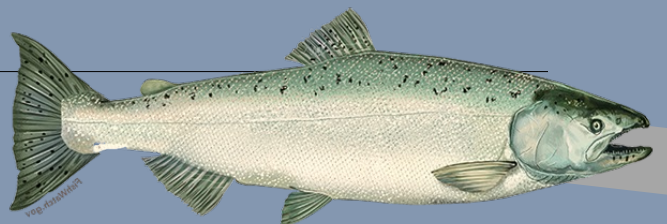


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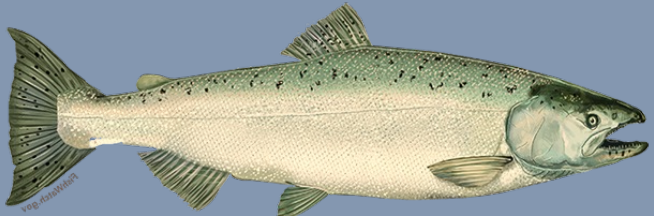
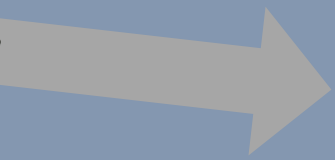
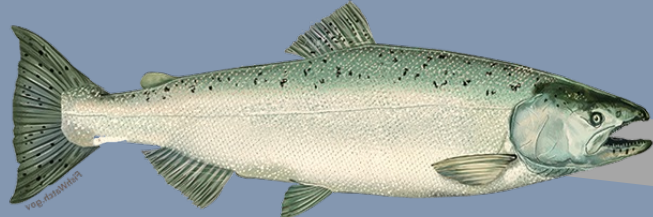
Correlation Coefficient (r)



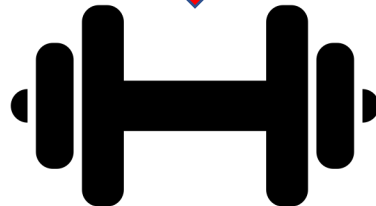
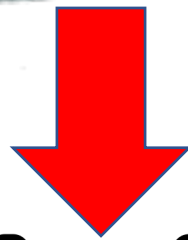
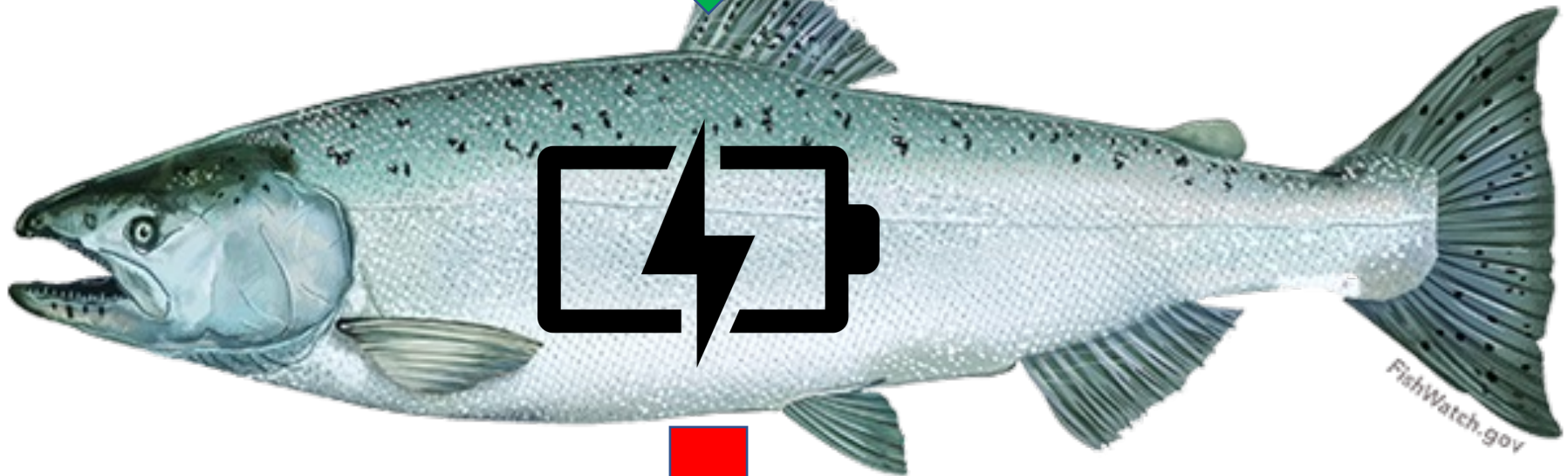
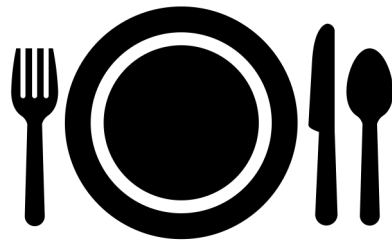
Marine Temperature River Discharge River Temperature

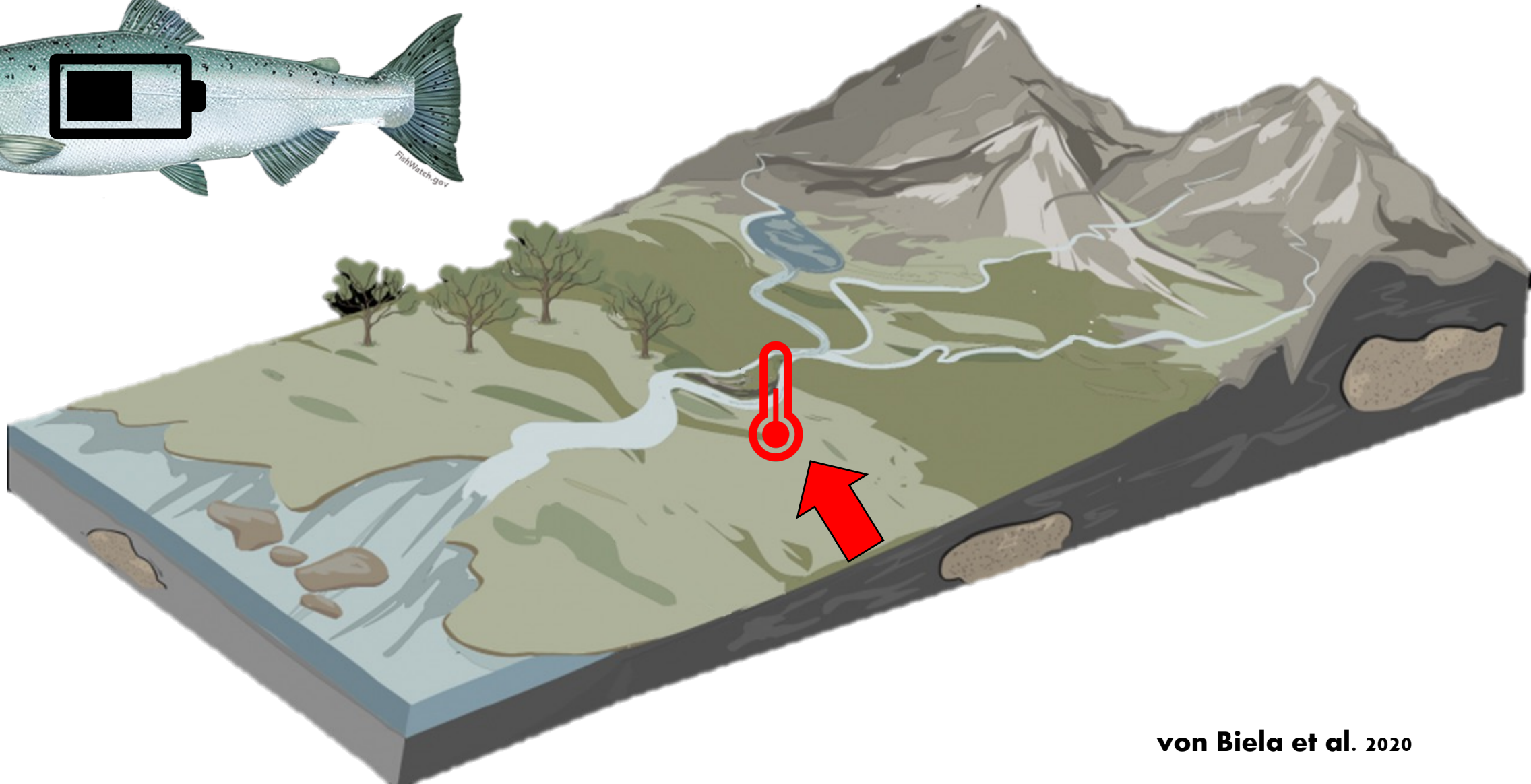
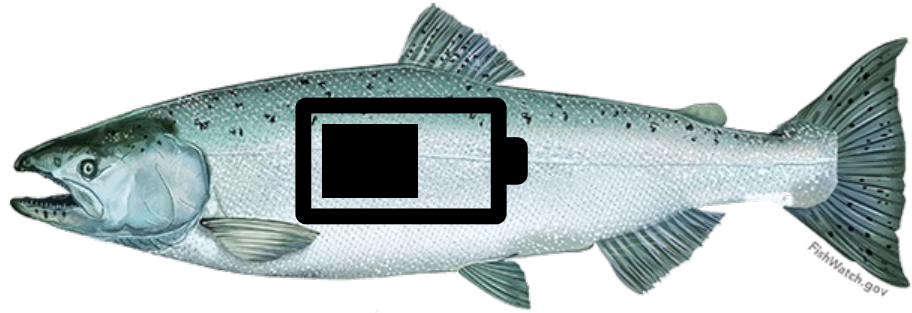


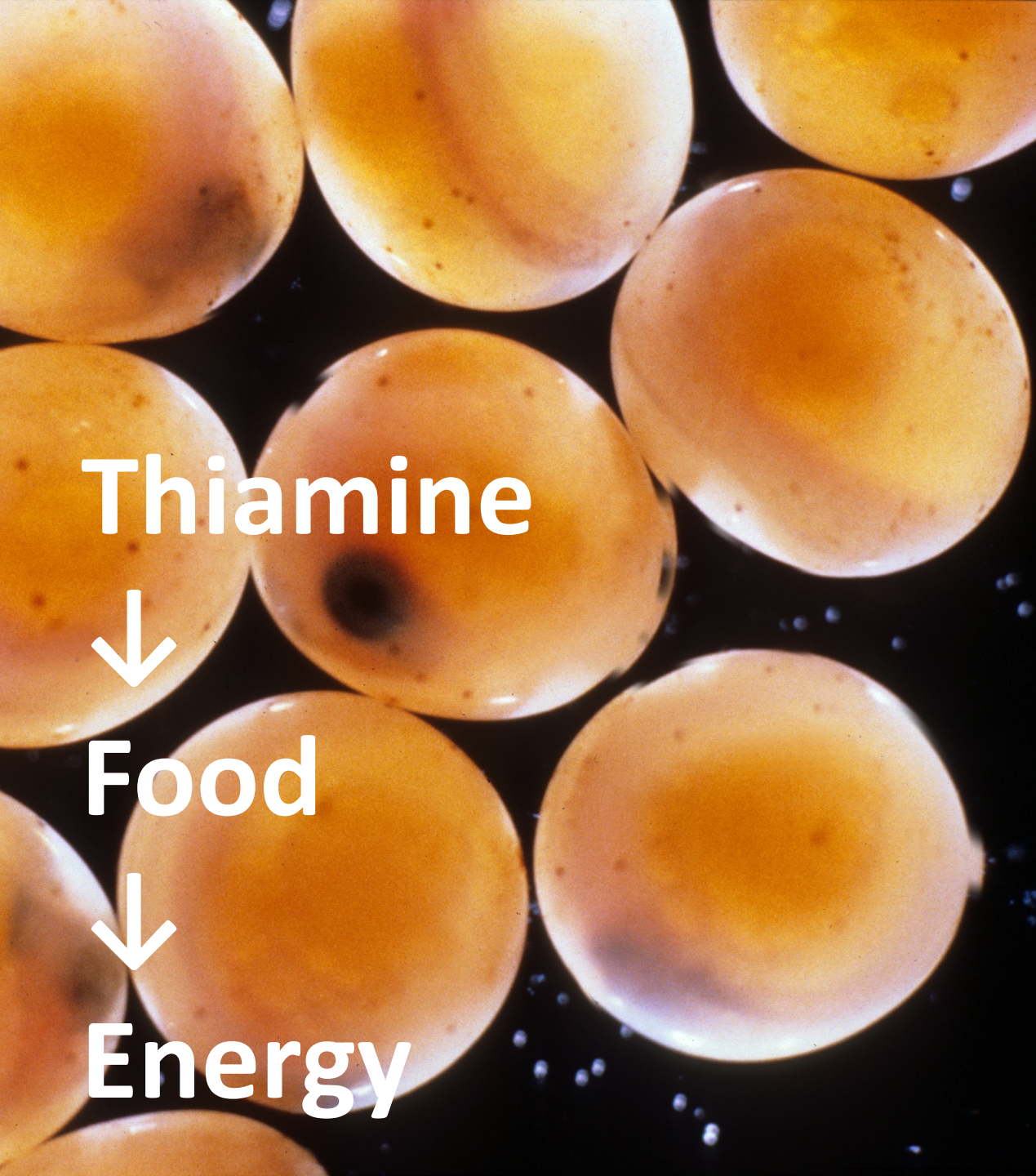
RIVER



OCEAN







Thiamine



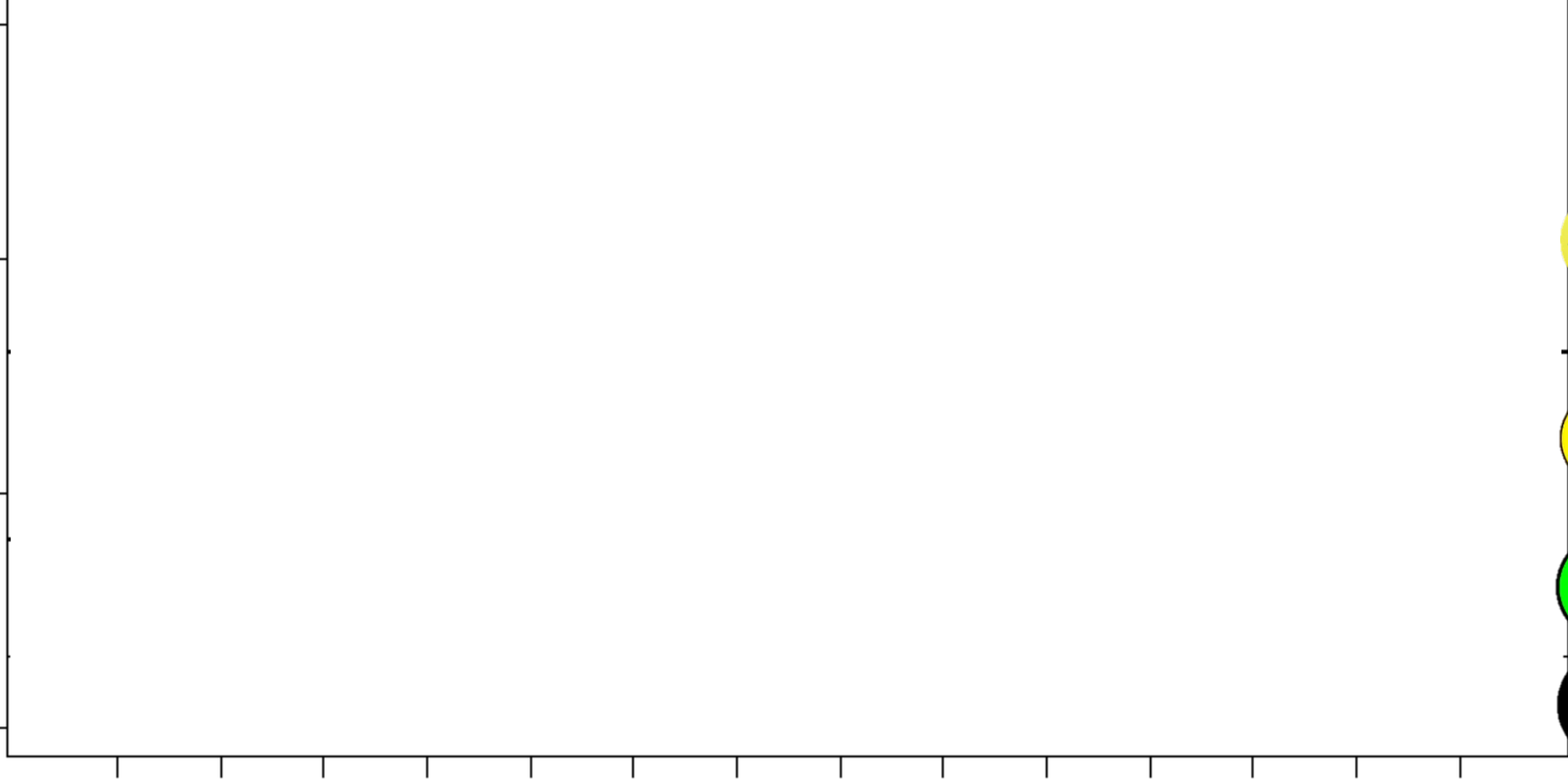
Food

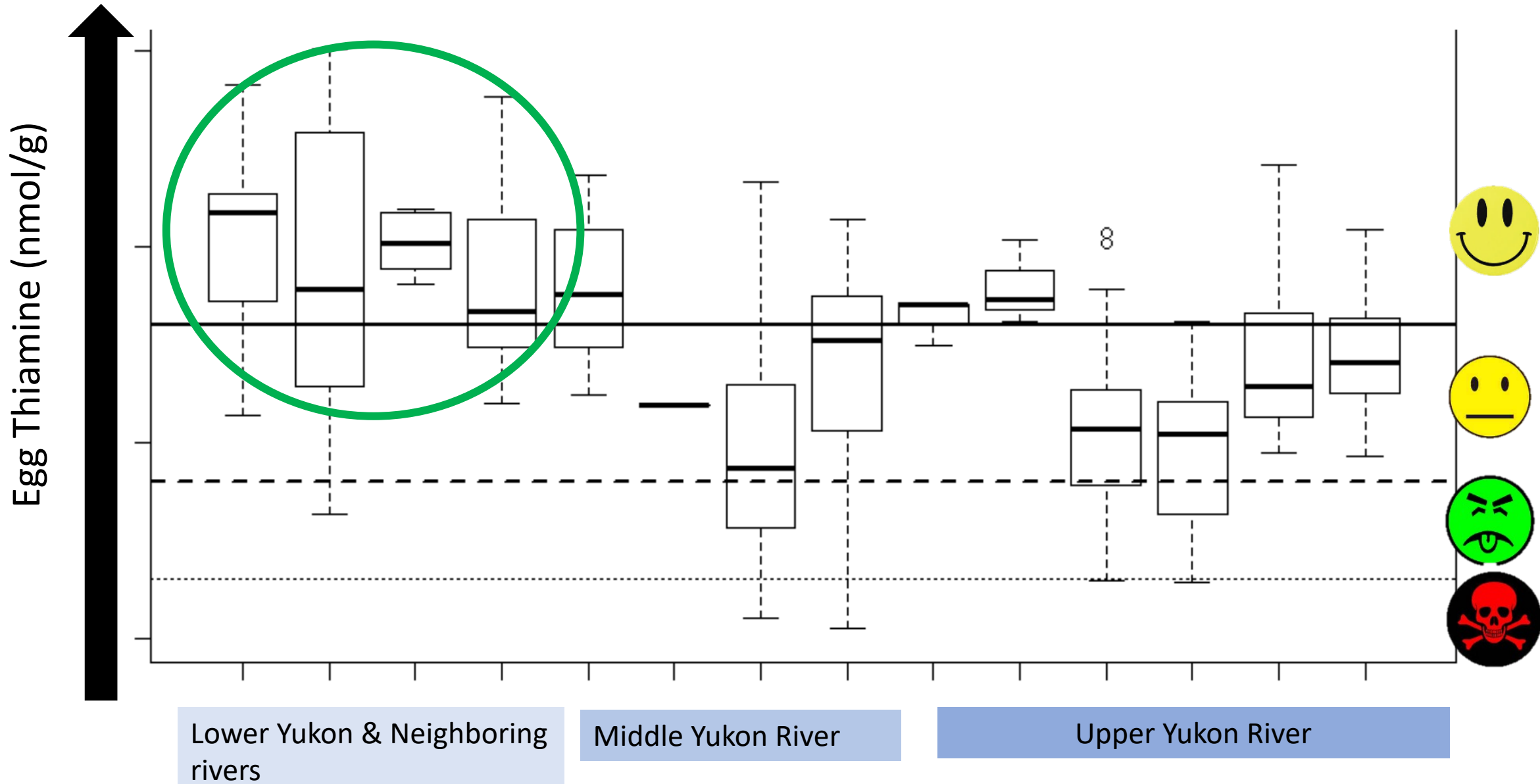


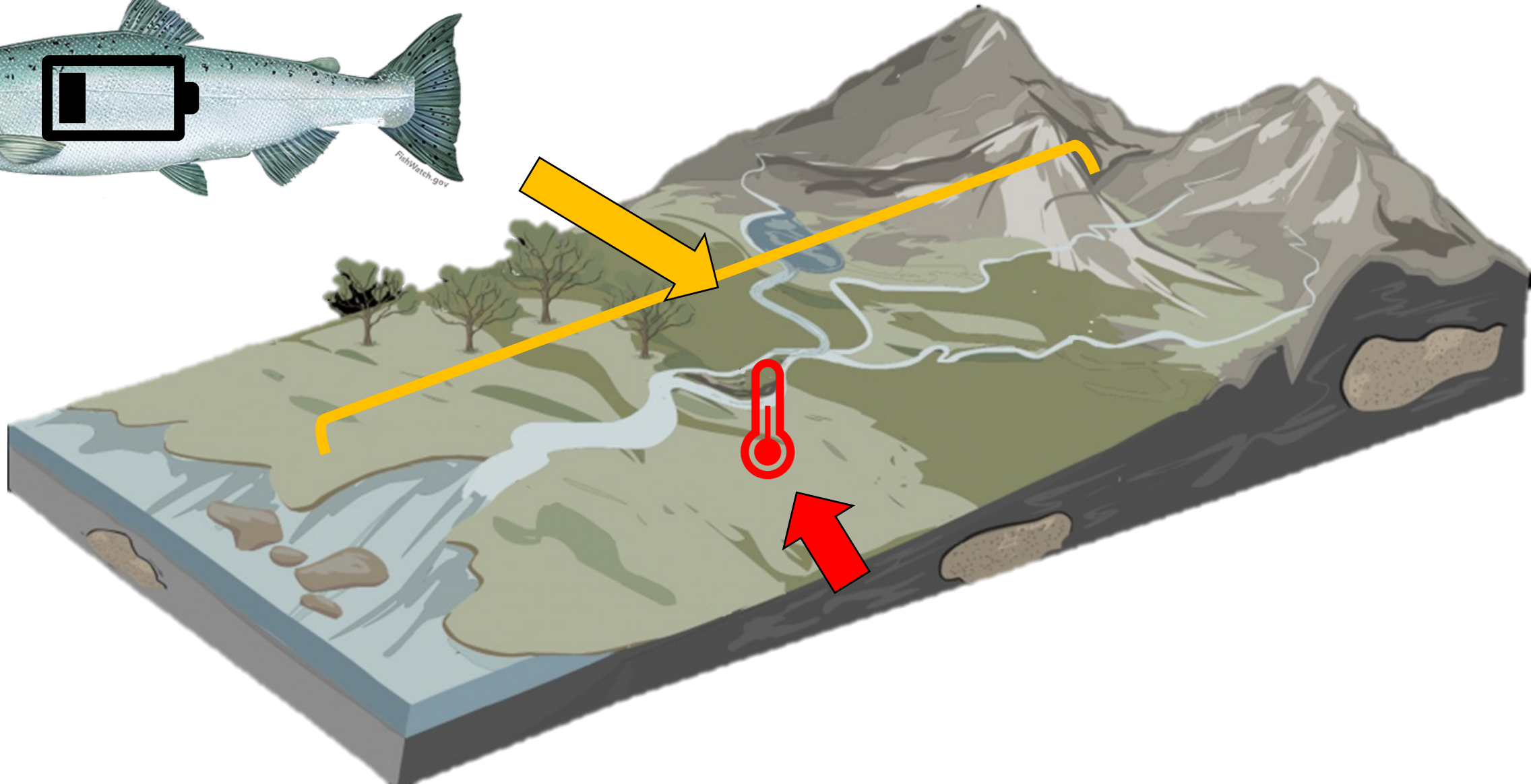
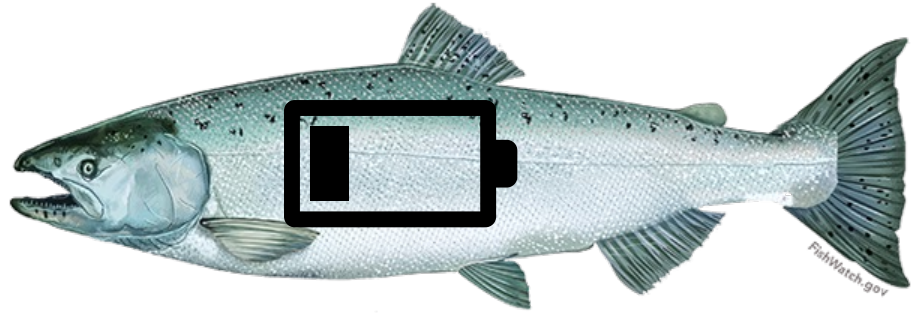
Energy

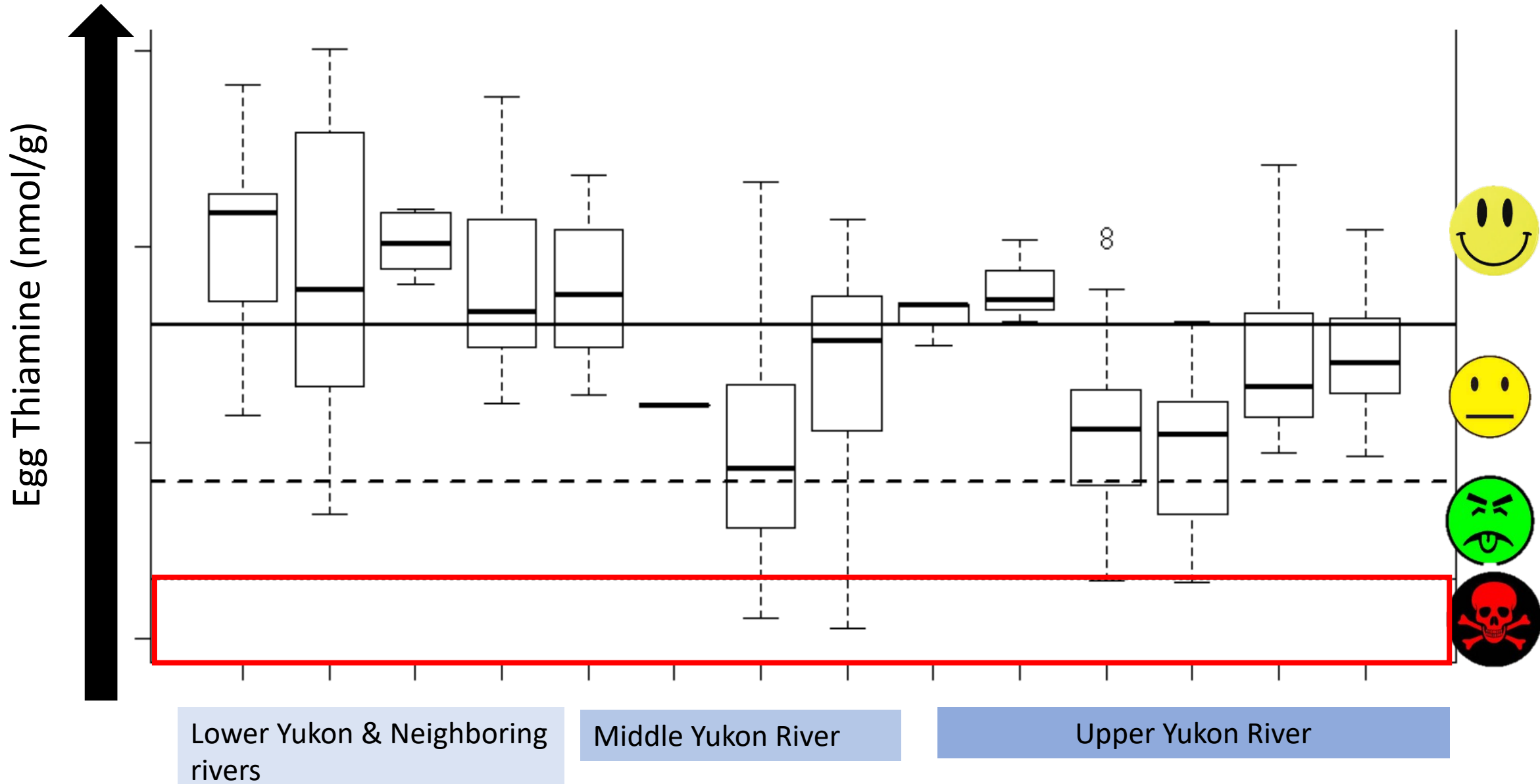


Egg Thiamine (nmol/g)





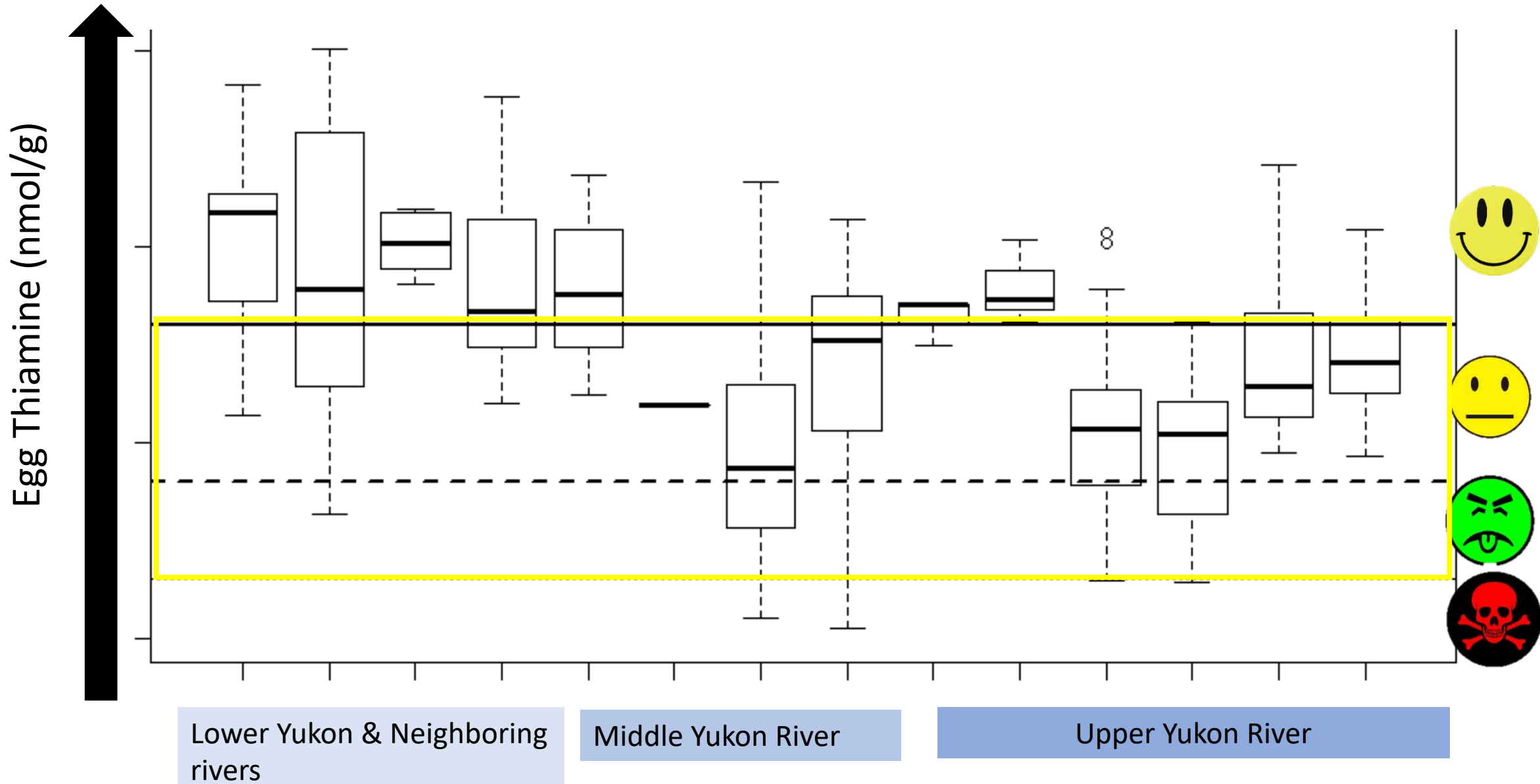


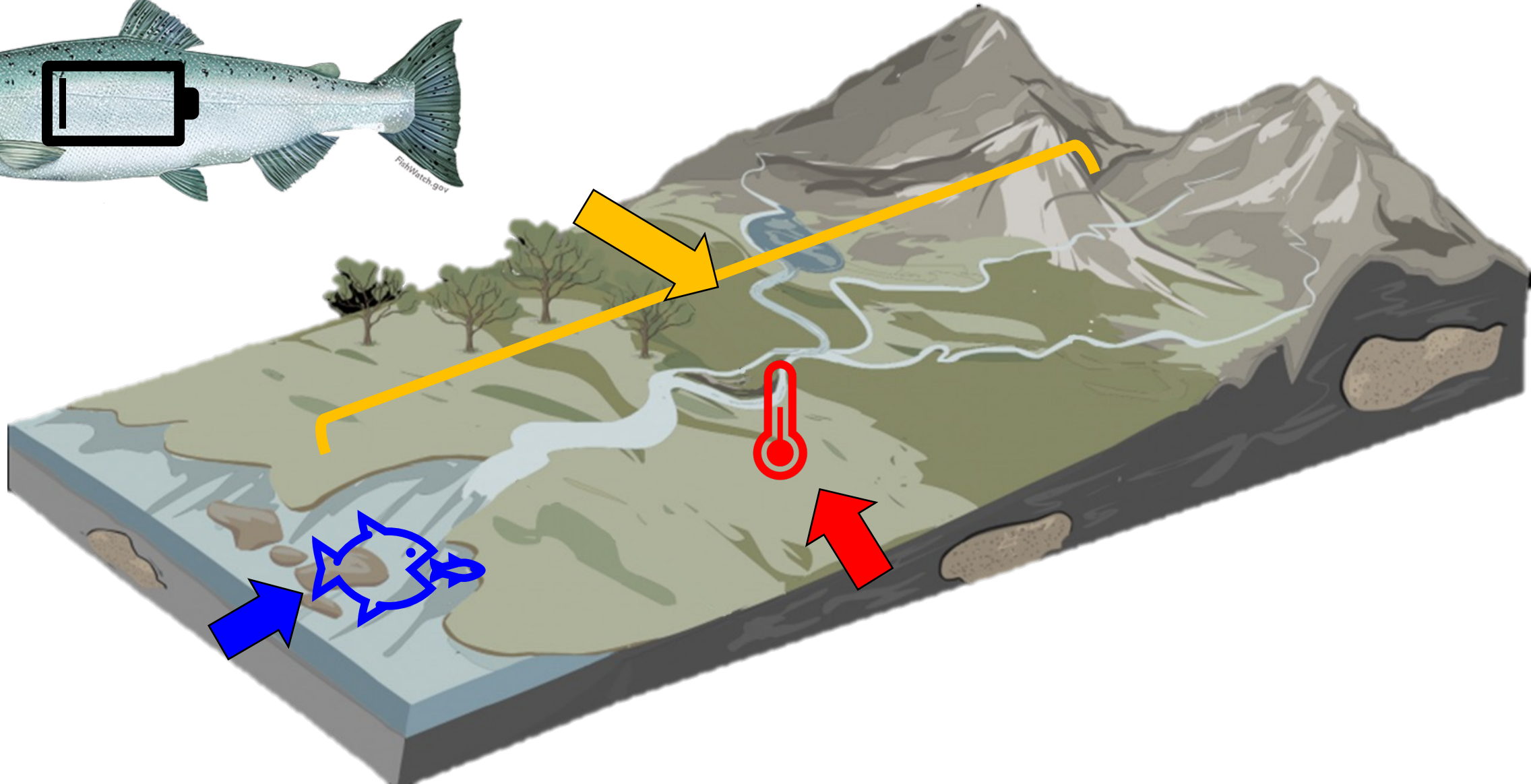
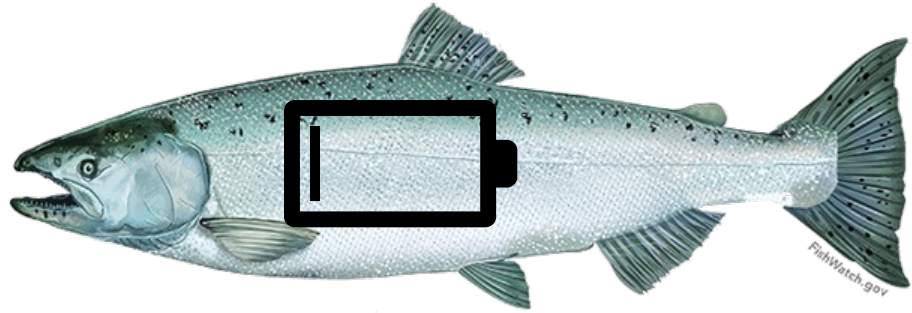


Lower Yukon & Neighboring rivers

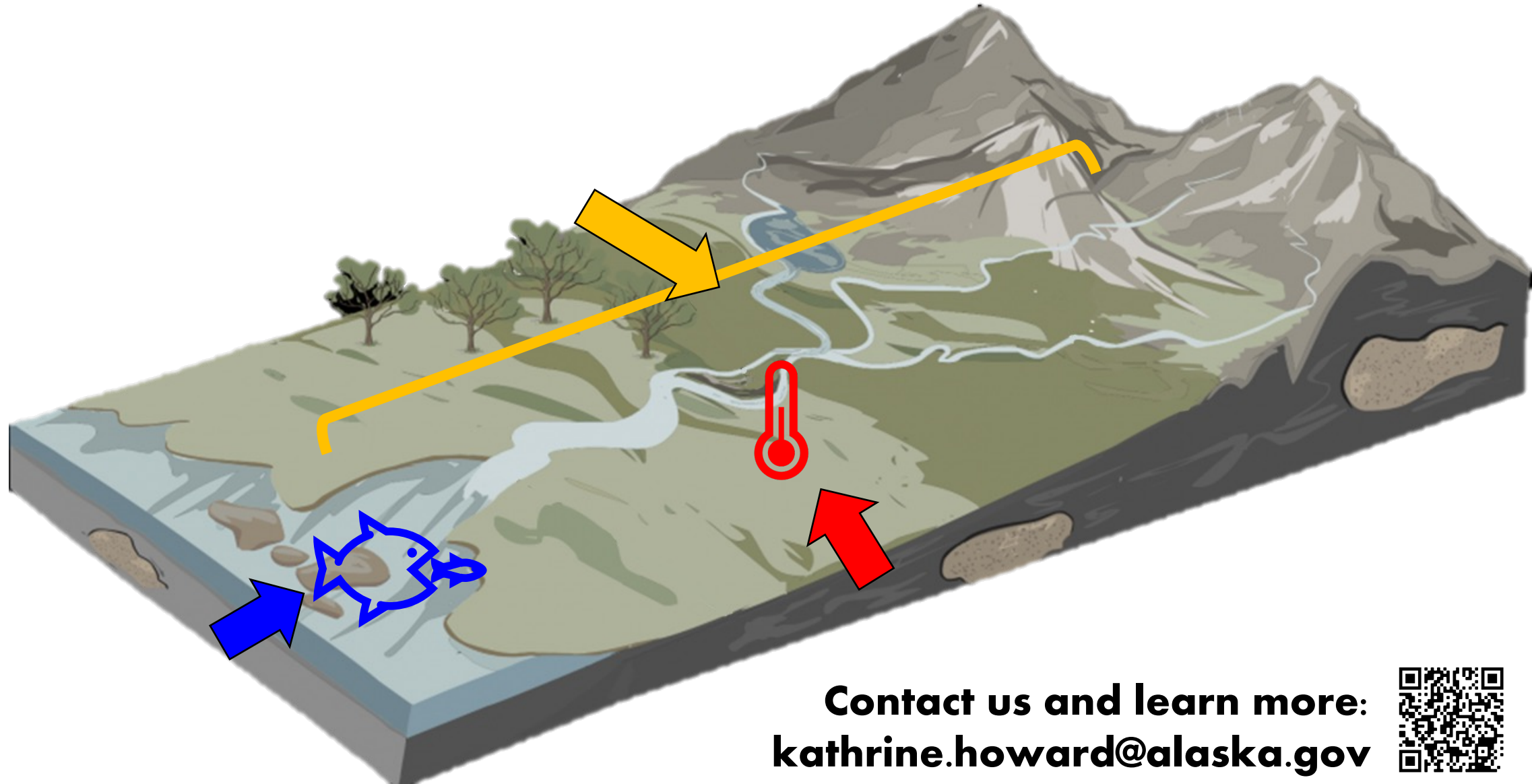
Middle Yukon River

Upper Yukon River





The End



Contact us and learn more:
kathrine.howard@alaska.gov

