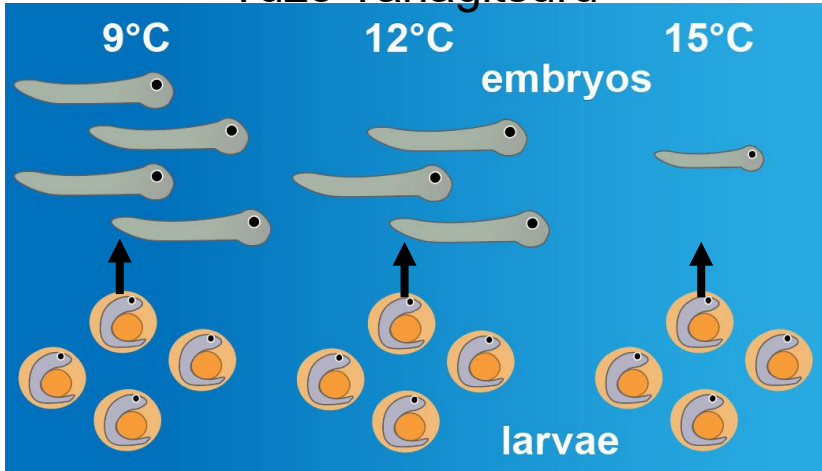


Delta Science Fellows Roundup #1: Stressors on Fish Communities



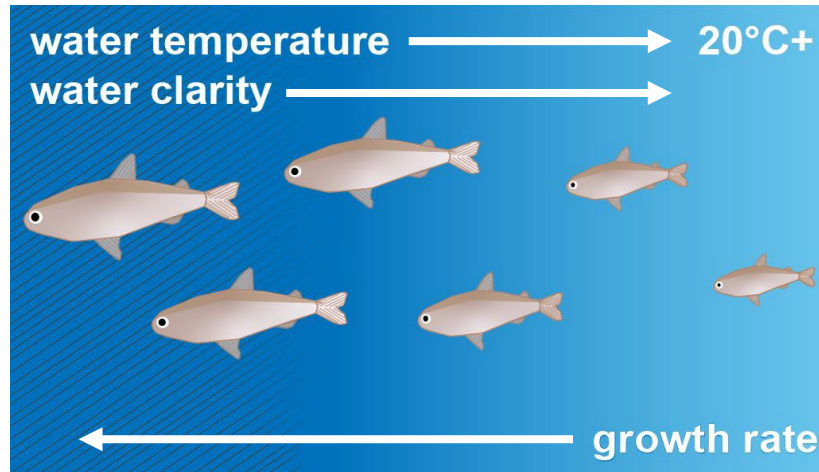
Yuzo Yanagitsuru



Testing the effects of temperature on hatching and growth performance of embryos and yolk-sac larvae of Longfin smelt, Yanagitsuru and team found smelt embryos reared at lower temperatures result in higher hatch success rate and larger size overall.



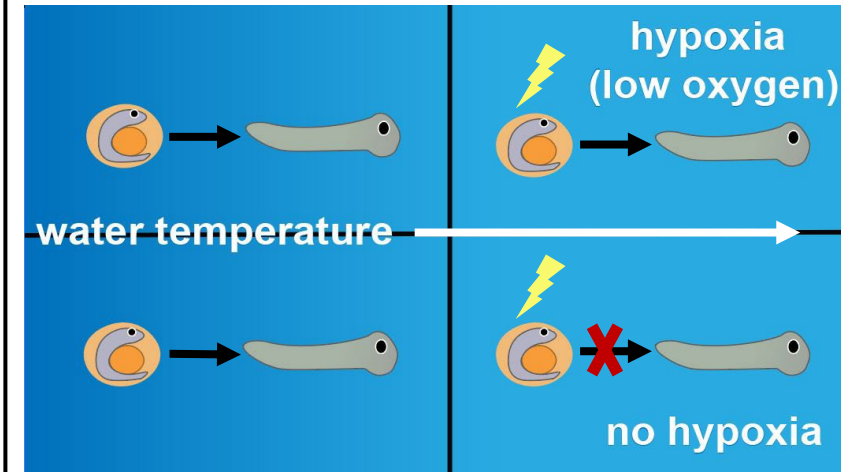
Levi Lewis



Using otolith-based reconstructions of growth of individual Delta smelt and physical data observations, Lewis and team found growth rates decline rapidly at temperatures greater than 20°C (68°F) and as water clarity increases.



Annelise Del Rio



Del Rio and team tested the effects of warm water temperature and hypoxia (low oxygen) on Chinook salmon embryos and found embryos reared in warm water experienced the greatest impact on metabolic rate and embryos reared in both warm water and hypoxia had decreased hatch rates.