

Foundational science related to Chinook salmon flow/survival and emigration studies:

Juvenile Chinook salmon emigrate in response to flow increases

Certain flow thresholds correlate with the emigration timing of juvenile Chinook salmon in the Lower Sacramento River (del Rosario et al 2013).

Recent studies on tracking acoustically tagged Chinook salmon smolts through the Sacramento River Basin have shown outmigration survival increases with larger flows: Studies include hatchery late-fall Chinook salmon smolts from 2007 to 2011 (Perry et al. 2010, 2018, Michel et al. 2015, Henderson et al. 2018), and tagged wild Mill Creek Chinook salmon smolts from 2013 to 2017 (Notch 2017).

Habitat connectivity ???

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