

Agenda Item: 10

Meeting Date: January 23, 2020

Attachment 2

Life history strategies of Delta smelt

Semi-anadromous fish: 81% Live part of life in Freshwater fresh water and part residents: 12% in brackish water **Brackish-water** residents: 7%

Life history strategy: where and how a species spends its time and energy to maximize survival.

So what?

The multiple life histories of Delta smelt need to be considered for comprehensive species management. The life histories described in this study will help decision-makers choose where to effectively plan restoration efforts to enhance Delta smelt populations.

Complex life histories discovered in a critically endangered fish. J.A. Hobbs, L.S. Lewis, M. Willmes, C. Denney, and E. Bush. *Nature: Scientific Reports*. November 2019.