

# Memorandum

Date: June 16, 2014

To: Scott Wilson  
Regional Manager  
Bay Delta Region

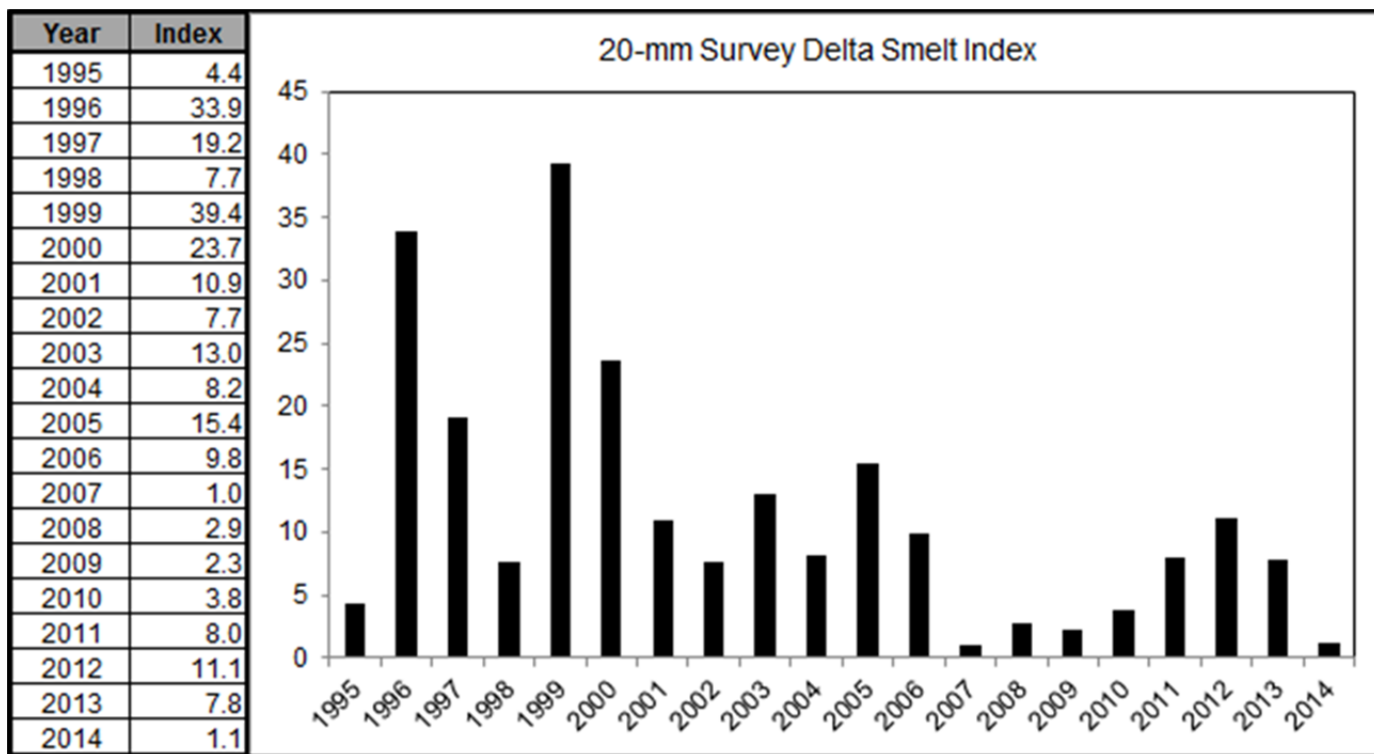
Marty Gingras  
Environmental Program Manager  
Bay Delta Region

From: Lauren Damon  
Environmental Scientist  
Bay Delta Region

Subject: 2014 Index of Delta Smelt Relative Abundance from the 20-mm Survey

The 2014 index for Delta Smelt is 1.1. This is a decrease from 2013 (7.8), and the second-lowest on record.

The index is calculated using data from the 2 surveys before the average length of young-of-the-year Delta Smelt reaches 20 mm and the 2 surveys immediately afterwards. The index uses the 41 “core” stations and considers only Surveys 1-9 of the 12 surveys that were conducted historically. This year’s index was from Surveys 3 through 6, which occurred April through May.



cc: Bay Delta Region  
Robert Fujimura  
Randal Baxter  
Julio Adib-Samii