

Contra Costa Water District (CCWD) Fish Monitoring Program

Summary of Chinook Salmon, Central Valley Steelhead, Green Sturgeon, Delta Smelt, and Longfin Smelt
Collected at Rock Slough Intake, Old River Intake, and Middle River Intake 1999-2018

Table 1. Total fish collected at Rock Slough Intake for 1999-2011, before operation of the Rock Slough Fish Screen.

Species	Total Number Collected 1999-2011	Number Collected by Year	
		Headworks 1999-2009	Pumping Plant #1 2004-2011
Winter-run Chinook salmon	0	All Years – 0	All Years – 0
Spring-run Chinook salmon	15 juveniles	2004 – 3 2005 – 4 2006 – 3 2008 – 1	2004 – 3 2006 – 1
Fall-run Chinook salmon	23 juveniles	2000 – 3 2004 – 5 2005 – 10 2006 – 1 2008 – 2	2004 – 2
Central Valley steelhead	15 juveniles	2005 – 4 2006 – 2 2007 – 1 2008 – 8	All Years – 0
Green sturgeon	0	All Years – 0	All Years – 0
Delta smelt	1 adult	2005 – 1 (66 mm)	All Years – 0
Longfin smelt	1 larva	2008 – 1 (<8 mm)	All Years – 0

Note: No monitoring was conducted at the Headworks in 2010 and 2011 due to the construction of the Rock Slough Fish Screen. Monitoring continued at Pumping Plant #1 until the Rock Slough Fish Screen became operational in October 2011.

Table 2. Total fish collected behind the fish screens at the Rock Slough Intake, Old River Intake, and Middle River Intake for 1999-2018.

Species	Total Number Collected 1999-2018	Number Collected by Year		
		Rock Slough Intake 2011-2018	Old River Intake 1999-2018	Middle River Intake 2010-2018
Winter-run Chinook salmon	0	All Years – 0	All Years – 0	All Years – 0
Spring-run Chinook salmon	0	All Years – 0	All Years – 0	All Years – 0
Fall-run Chinook salmon	0	All Years – 0	All Years – 0	All Years – 0
Central Valley steelhead	0	All Years – 0	All Years – 0	All Years – 0
Green sturgeon	0	All Years – 0	All Years – 0	All Years – 0
Delta smelt	3 larvae	2012 – 1 (<9 mm)	2000 – 1 (18 mm) 2012 – 1 (<11 mm)	All Years – 0
Longfin smelt	13 larvae	All Years – 0	2002 – 1 (22 mm) 2012 – 4 (<13 mm) 2013 – 7 (<9 mm) 2015 – 1 (< 8 mm)	All Years – 0

Table 3. Fish collected each year at the Rock Slough Intake, Old River Intake, and Middle River Intake.

Year	Rock Slough Intake	Old River Intake	Middle River Intake	
1999	0	0	Not applicable Middle River Intake did not begin operation until 2010	
2000	3 FR size Chinook salmon (HW)	1 delta smelt (18 mm)		
2001	0	0		
2002	0	1 longfin smelt (22 mm)		
2003	0	0		
2004	3 SR size Chinook salmon (HW) 3 SR size Chinook salmon (PP1) 5 FR size Chinook salmon (HW) 2 FR size Chinook salmon (PP1)	0		
2005	4 SR size Chinook salmon (HW) 10 FR size Chinook salmon (HW) 4 CV steelhead (HW) 1 delta smelt (66mm) (HW)	0		
2006	3 SR size Chinook salmon (HW) 1 SR size Chinook salmon (PP1) 1 FR size Chinook salmon (HW) 2 CV steelhead (HW)	0		
2007	1 CV steelhead (HW)	0		
2008	1 SR size Chinook salmon (HW) 2 FR size Chinook salmon (HW) 8 CV steelhead (HW) 1 longfin smelt (<8 mm) (HW)	0		
2009	0	0		
2010	0	0		0
2011	0	0		0
2012	1 delta smelt (<9 mm) (RSFS)	1 delta smelt (<11 mm) 4 longfin smelt (<13 mm)		0
2013	0	7 longfin smelt (<9 mm)	0	
2014	0	0	0	
2015	0	1 longfin smelt (<8 mm)	0	
2016	0	0	0	
2017	0	0	0	
2018	0	0	0	

Abbreviations:

Species: WR = winter-run, SR = spring-run, FR = fall-run / late fall, CV = central valley

Locations: HW = Headworks, PP1 = Pumping Plant #1, RSFS = Rock Slough Fish Screen

Note: Monitoring at Rock Slough Intake conducted at the Headworks facility (HW) from 1999-2009, near Pumping Plant #1 (PP1) from 2004-2011, and behind the Rock Slough Fish Screen (RSFS) since the fish screen became operational in 2011. Monitoring at Old River Intake and Middle River Intake conducted behind the fish screen at each facility since the facilities became operational.