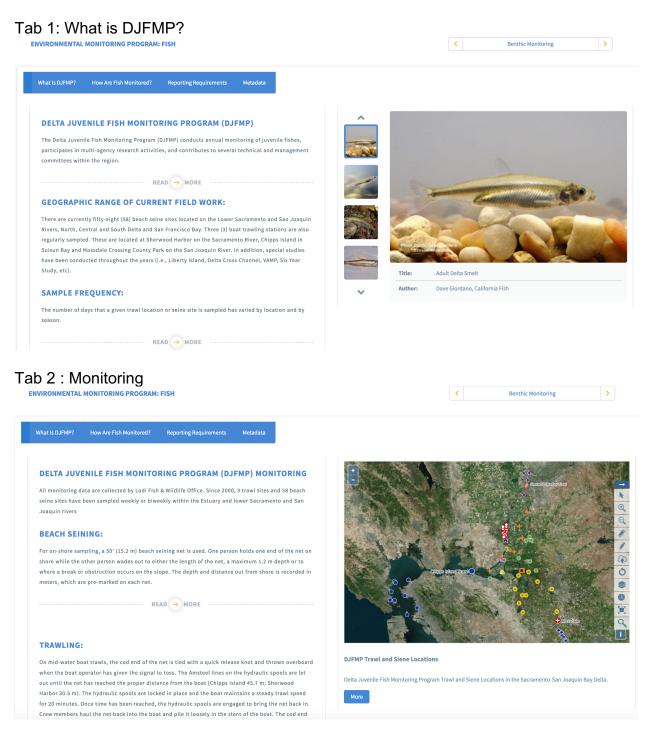
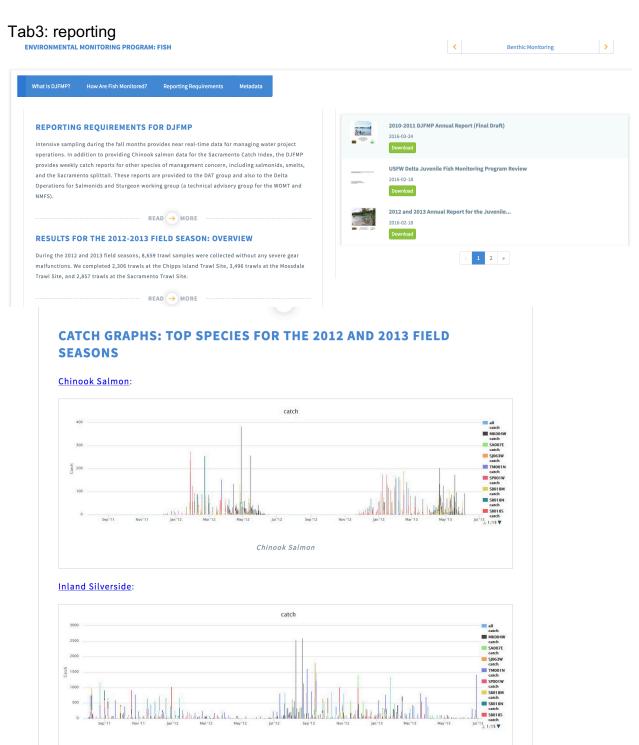


34 NORTH CONTRACT (16-12) PROJECT DELIVERABLES:

EMP: Fish / DJFMP : http://emp.baydeltalive.com/projects/11283







Inland Silverside

2/3

RESULTS FOR THE 2012-2013 FIELD SEASON: FISH ASSEMBLAGE

A total of 355,181 fishes, representing 83 species, was collected within samples (beach seines and trawls) used for assemblage analyses during the 2012 and 2013 field seasons (does not include marked or unidentified fish;).

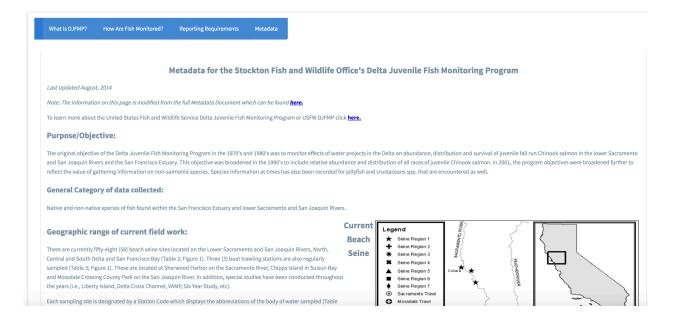
READ
MORE

RESULTS FOR THE 2012-2013 FIELD SEASON: WATER QUALITY

We collected 43,052 water quality samples during the 2012 and 2013 field seasons: 12,619 water temperature, 10,393 conductivity, 10,313 dissolved oxygen, and 9,727 turbidity samples.

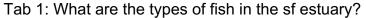
tab 4: metadata

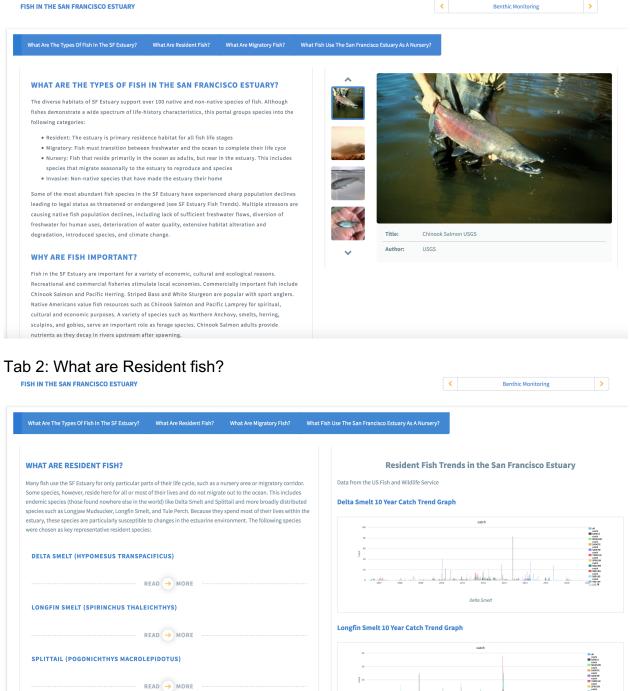
ENVIRONMENTAL MONITORING PROGRAM: FISH





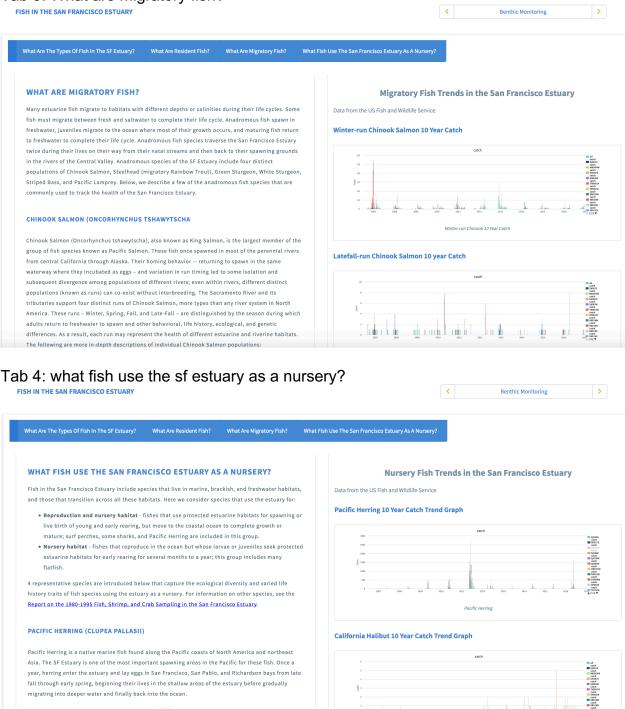
Fish in the sf estuary project: http://emp.baydeltalive.com/projects/12152







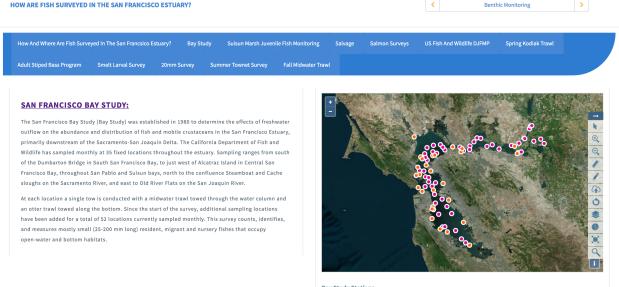
Tab 3: What are migratory fish?



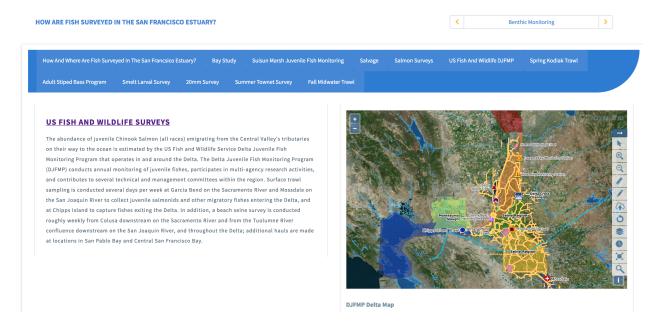
How are fish surveyed in the sf estuary?: http://emp.baydeltalive.com/projects/12203
Bay Study:

Pink circles indicate open water boat stations and orange circles indicate beach seine stations

HOW ARE FISH SURVEYED IN THE SAN FRANCISCO ESTUARY?



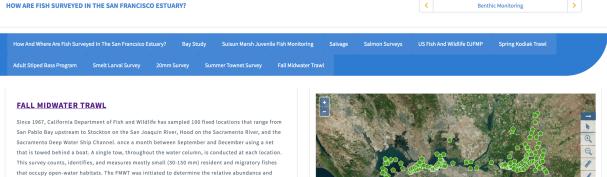
DJFMP:



Fall midwater trawl:

Fall Midwater Trawl Locations



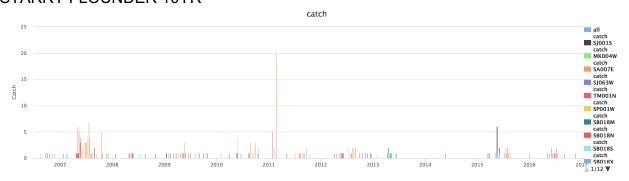


and threadfin shad (Dorosoma petenense).

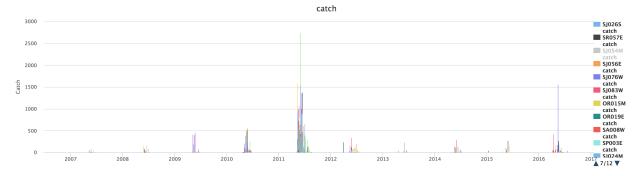
Sampling takes approximately 9 days per month to complete. Historically, FMWT sampling occasionally began as early as July (1972) or August (1968-1973, 1993-1994, 1996-1997) and sometimes continued past December to March (1968-1973, 1978, 1991-2001) or beyond (1992-1995). The consistent January-March midwater trawl sampling conducted from 1991-2001 to track movements of mature adult delta smelt was replaced in 2002 with the more effective Spring Kodiak Trawl.

distribution of age-0 striped bass (Morone saxatilis) in the estuary, but the data has also been used for other upper estuary pelagic species, including delta smelt (Hypomesus transpacificus), longfin smelt (Spirinchus thaleichthys), American shad (Alosa sapidissima), splittail (Pogonichthys macrolepidotus),

STARRY FLOUNDER 10YR



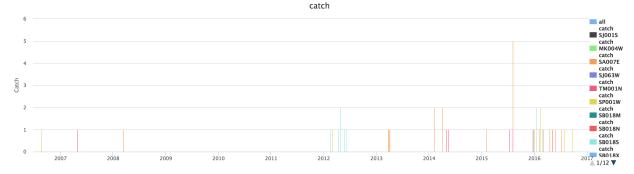
PACIFIC HERRING 10YR



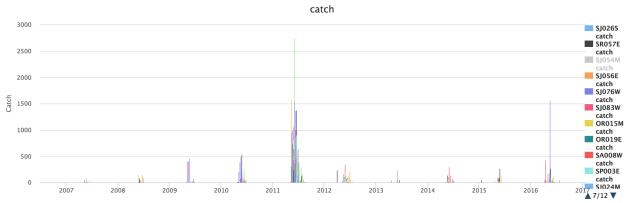
CALIFORNIA HALIBUT 10YR



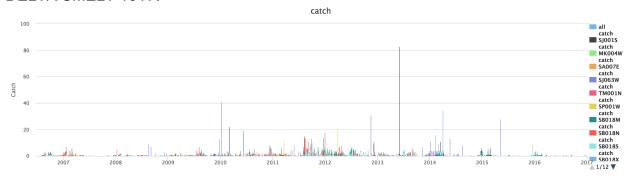
WEB SERVICES . GIS . VISUALIZATION



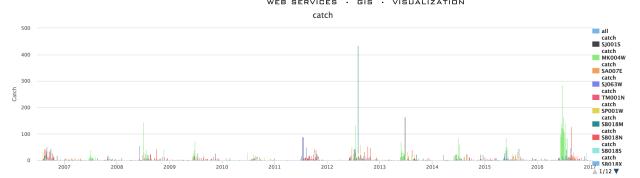
SPLITTAIL 10YR



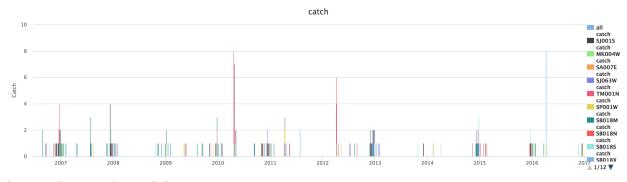
DELTA SMELT 10YR



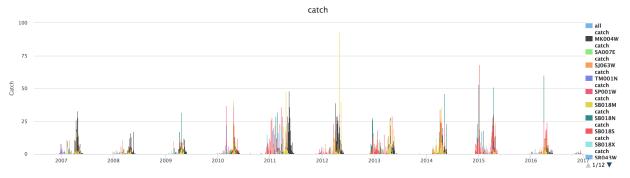
STRIPED BASS 10YR



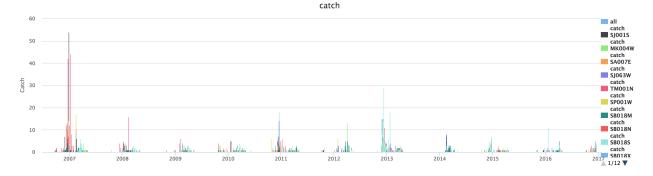
LATEFALL RUN CHINOOK 10YR



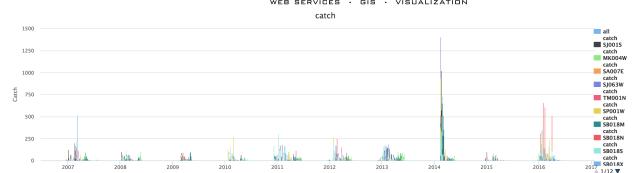
SPRING RUN CHINOOK 10YR



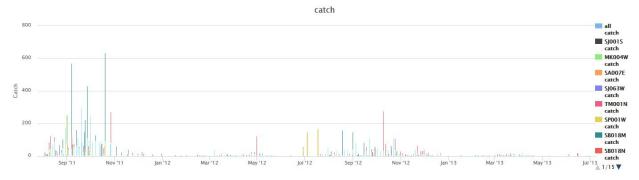
WINTER RUN CHINOOK 10YR



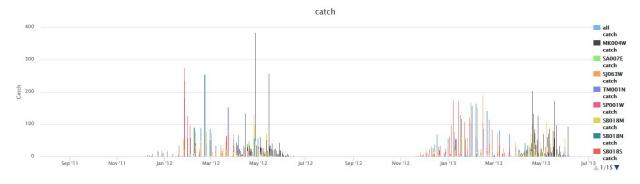
FALL RUN CHINOOK 10YR



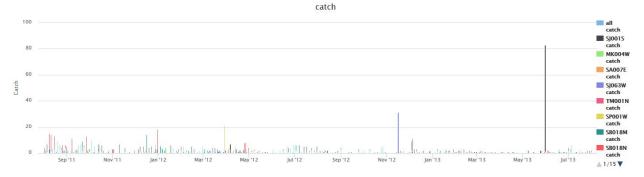
AMERICAN SHAD 2012 AND 2013 SEASONS



CHINOOK ALL RUNS 2012 AND 2013 SEASONS

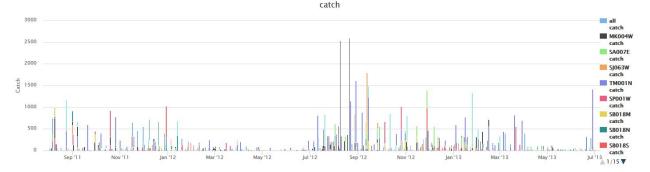


DELTA SMELT 2012 AND 2013 SEASONS

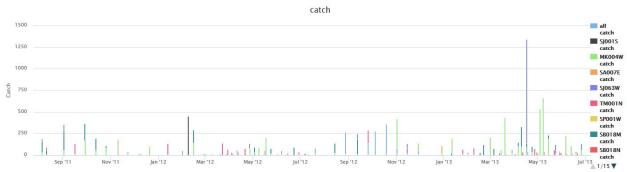


INLAND SILVERSIDE 2012 AND 2013 SEASONS

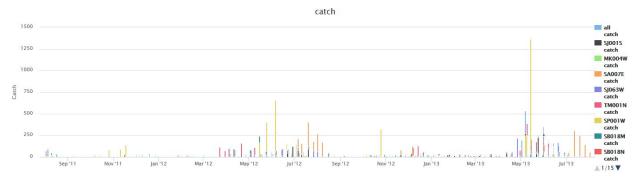
WEB SERVICES . GIS . VISUALIZATION



RED SHINER 2012 AND 2013 SEASONS



SACRAMENTO SUCKER 2012 AND 2013 SEASONS



THREADFIN SHAD 2012 AND 2013 SEASONS

