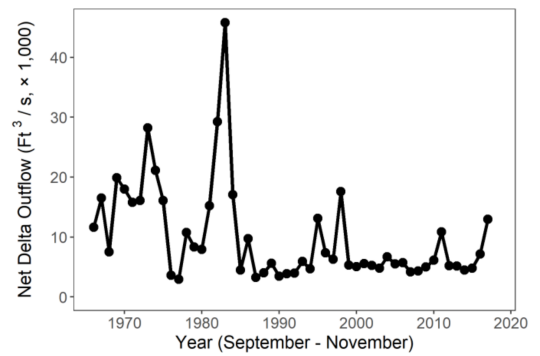


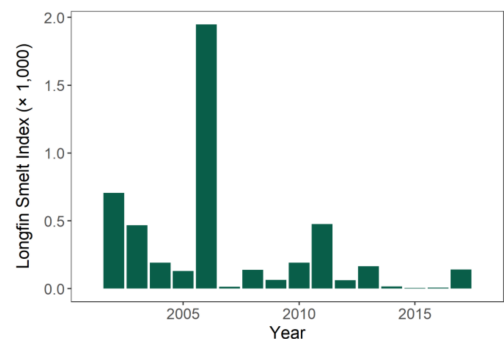
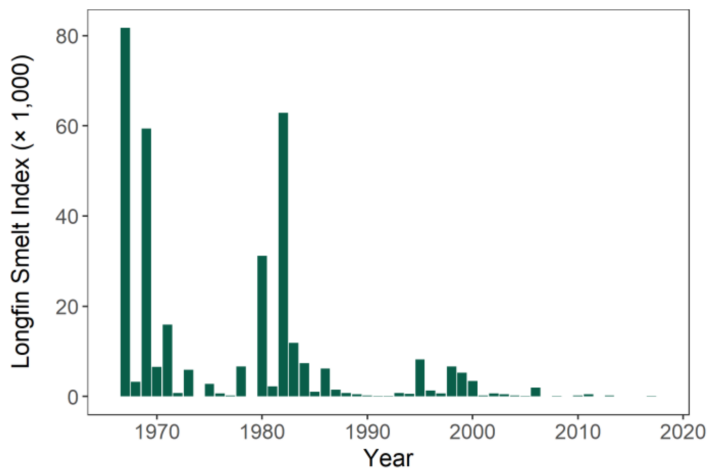
2017-2018 Winter Season Report

# Smelt



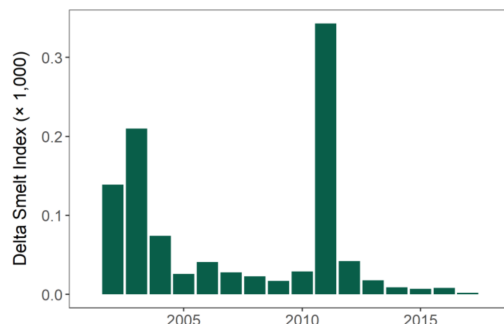
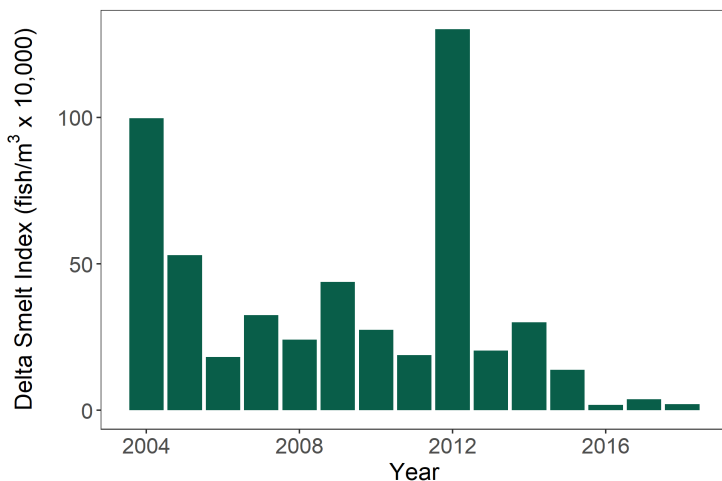
- High outflow leads to increased abundance of Longfin Smelt.
- High outflow increases abundance of Delta Smelt only in cooler years.

## Longfin Smelt – Bay Study



- Longfin smelt experienced severe declines in the early 2000s and have not recovered.
- Bay Study is the only IEP survey that samples throughout San Francisco Bay, making it especially good at pickup up Longfin Smelt.

## Delta Smelt – SKT



- Spring Kodiak Trawl samples throughout the Bay and Delta.
- Delta smelt are not doing so great.

# Interagency Ecological Program Status & Trends

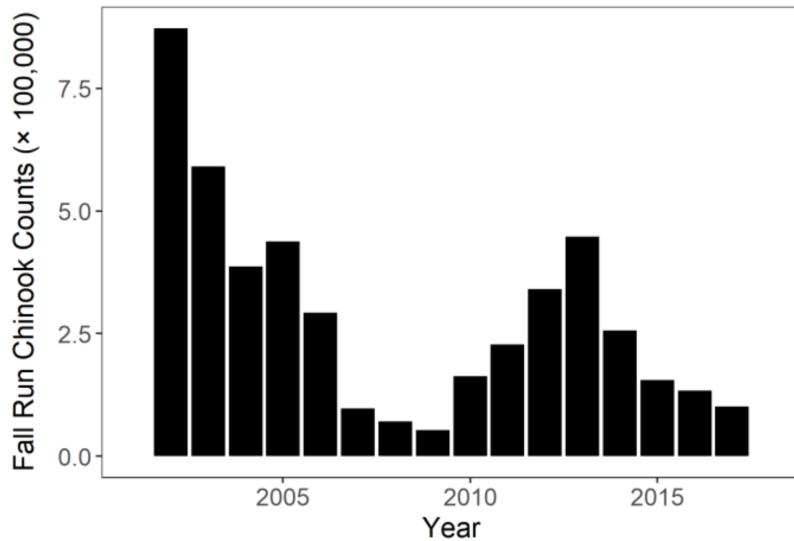
## 2017-2018 Winter Season Report

### Salmon

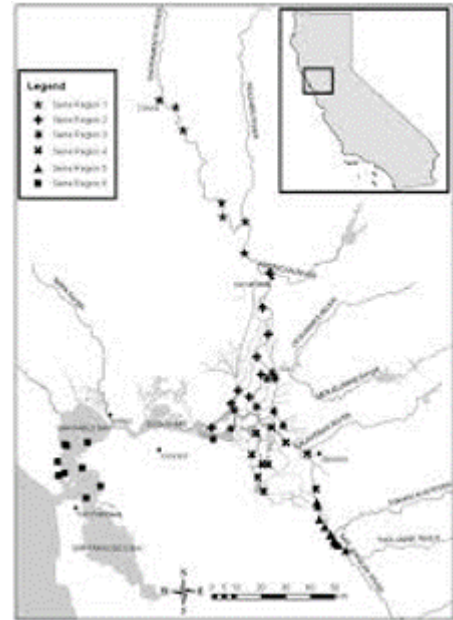
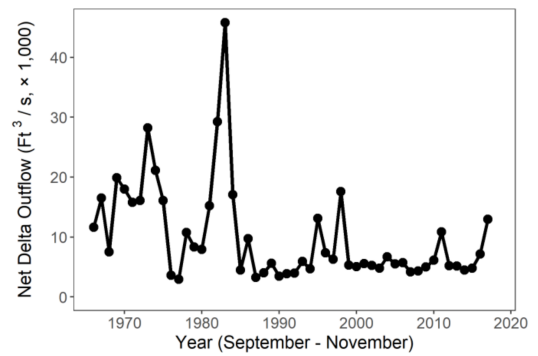
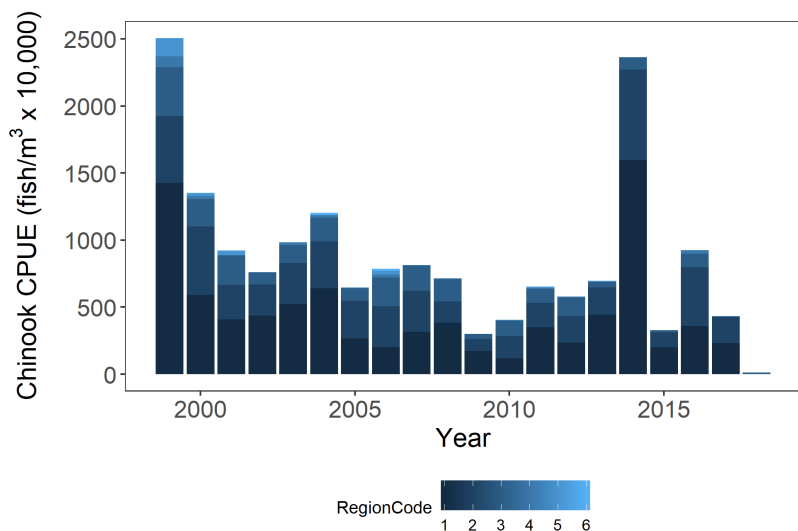
- Salmon have been doing OK in recent years, though not amazing.
- The drought was hard on them.



#### Red Bluff Diversion Dam



#### DJFMP Beach Seines



- Preliminary estimates of passage by brood-year (BY) and run for unmarked juvenile Chinook salmon and steelhead trout captured by rotary-screw traps at Red Bluff Diversion Dam (RK391), Sacramento River, CA.
- This sampling provides an estimate of production in the upper watershed.
- DJFMP's beach seine data provides information on landscape patterns of juvenile chinook occurrence.
- Researchers use these patterns to determine differences in salmon life-history.