

FARM TO FISH: LESSONS FROM A MULTI-YEAR STUDY ON  
AGRICULTURAL FLOODPLAIN HABITAT.

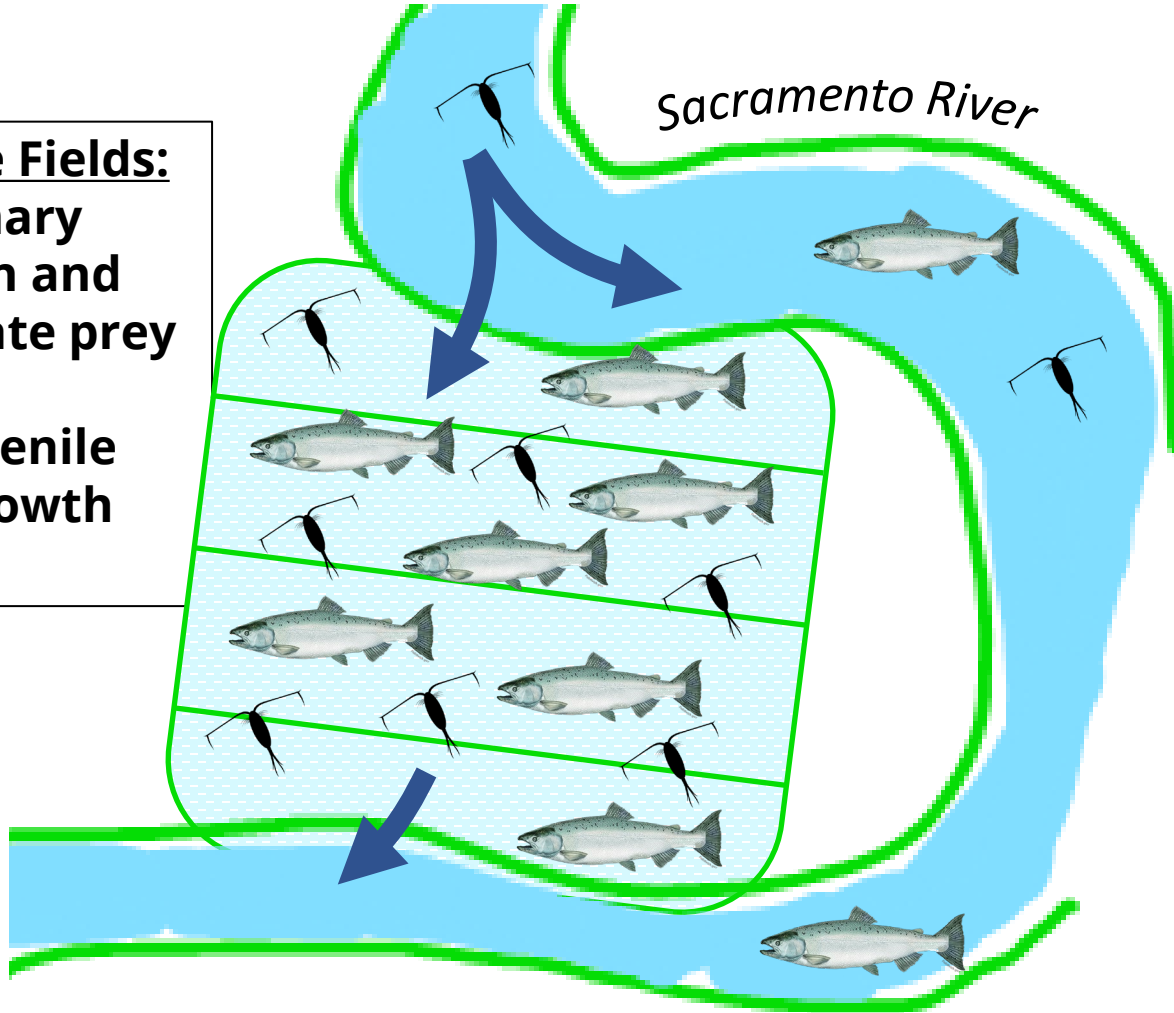
Agenda Item: 9, Attachment 2  
Meeting Date: February 25, 2021



Sommer et al. 2020. San Francisco Estuary & Watershed Science.

**Flooded Rice Fields:**

- **More** primary production and invertebrate prey
- **Higher** juvenile salmon growth rate



**Sacramento River:**

- **Less** primary production and invertebrate prey
- **Lower** juvenile salmon growth rate

During drought, fields seasonally flooded experimentally were found to produced low and variable survival rates for juvenile salmon

Flow and connectivity were found to be critical features of juvenile salmon habitat on fields seasonally flooded by experiment