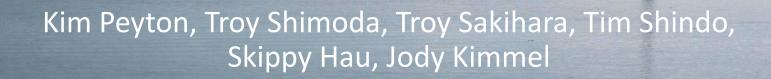
# Juvenile fish use estuaries DLNR-DAR Estuary Project













### Speak for the fish

Sustainable fisheries rely on healthy estuaries.



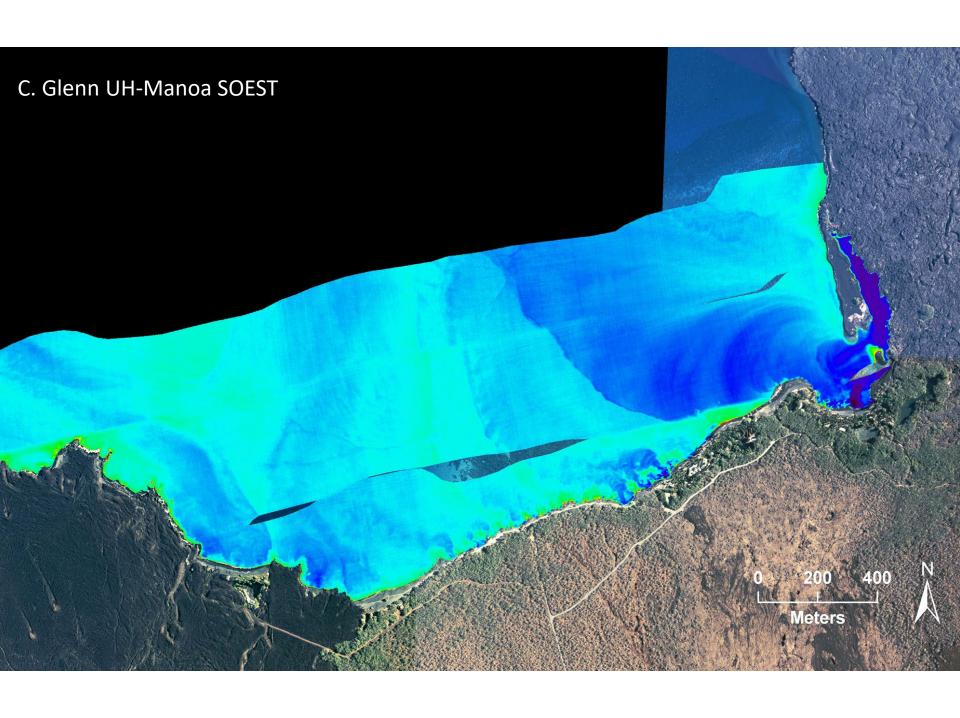






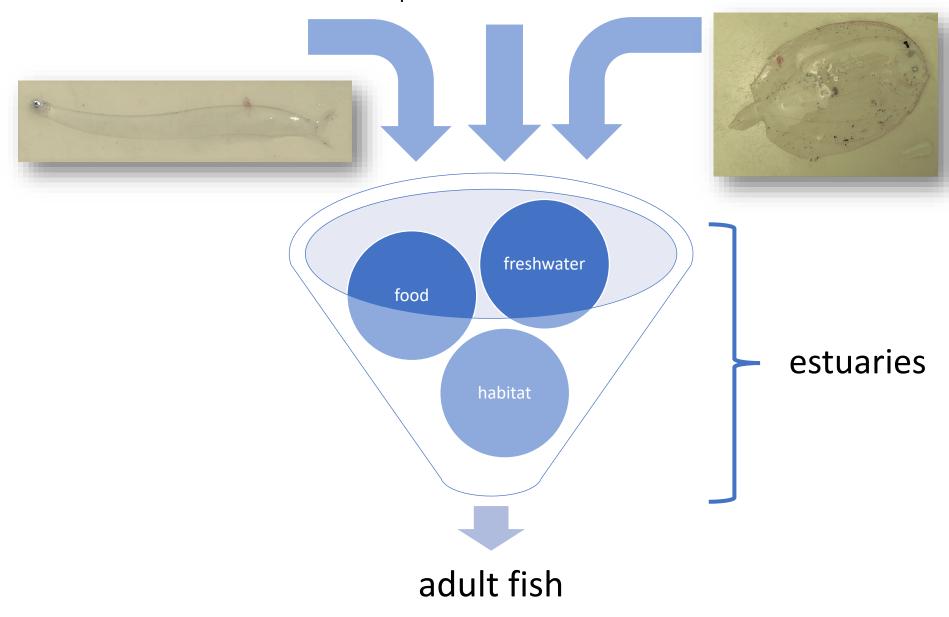




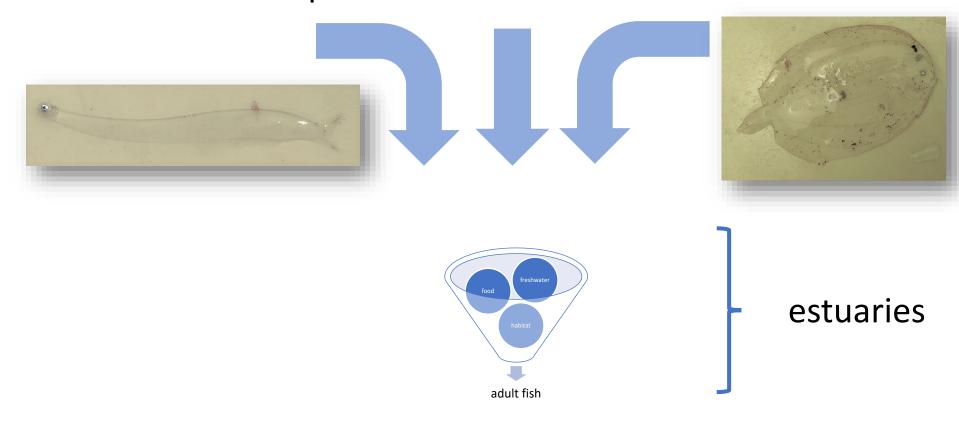




#### as plankton in ocean currents



#### plankton in ocean currents



If fish cannot survive their juvenile phase in estuaries, why would we expect them to reach sexual maturity for reproduction or legal size for sport fishing?



## Statewide monitoring in estuaries for fish conservation.





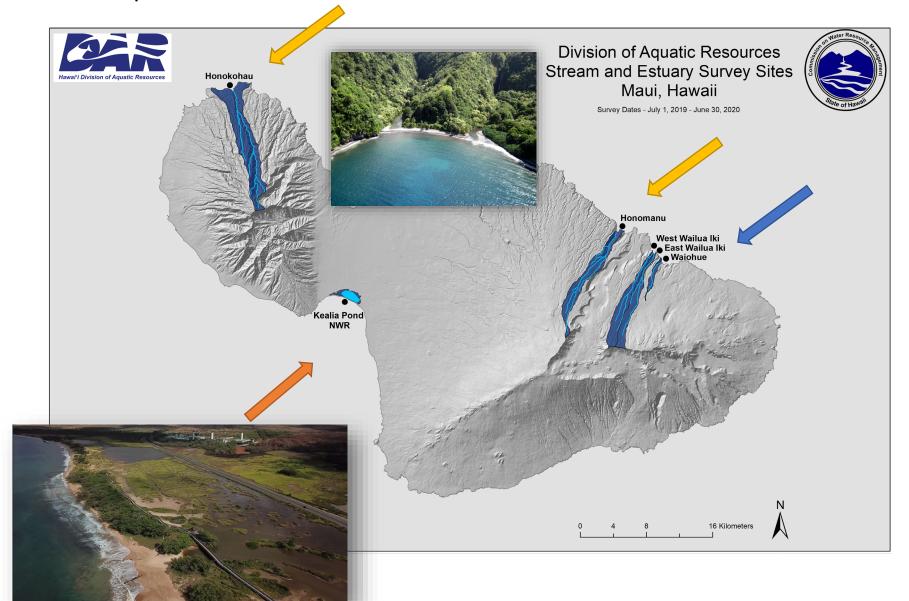




## Environmental DNA (eDNA)



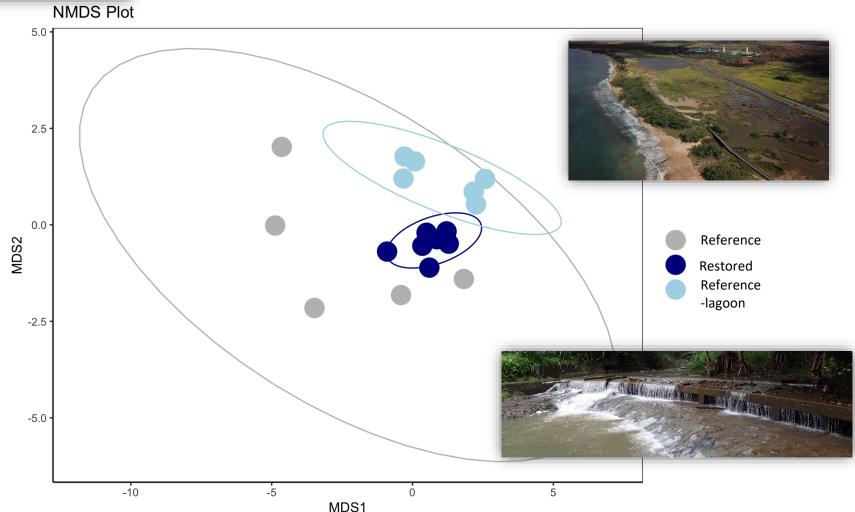
## How did fish in East Maui streams and estuaries respond to a return to 100% baseflow conditions?



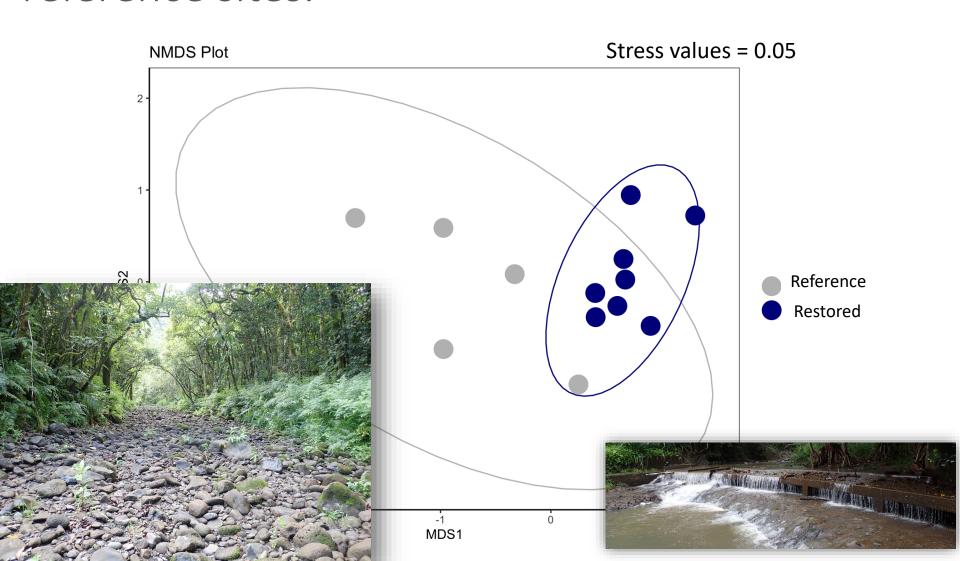


Fish communities in restored estuaries were distinct from reference sites.

Stress values = 0.09



Fish communities in restored streams were distinct from those in reference sites.



Estuaries in poor condition are bottlenecks for coastal fisheries productivity.

