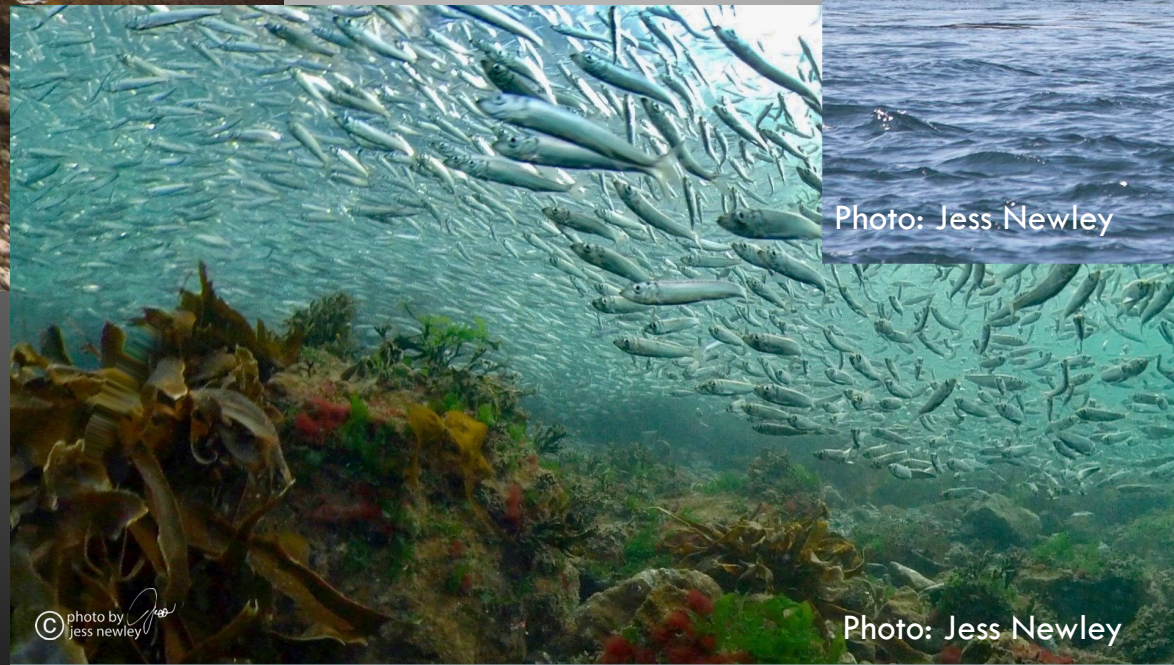


EXPLORE THE MARINE FOOD WEB



Photo: Jess Newley



© photo by
jess newley



Photo: Jess Newley

Photo: Jess Newley

OUR MARINE FOOD WEB

RECREATIONAL



Photo: Jess Newley

ECONOMIC

CULTURAL



Photo: Maya Legacy Whale Watching

ORCA WHALES

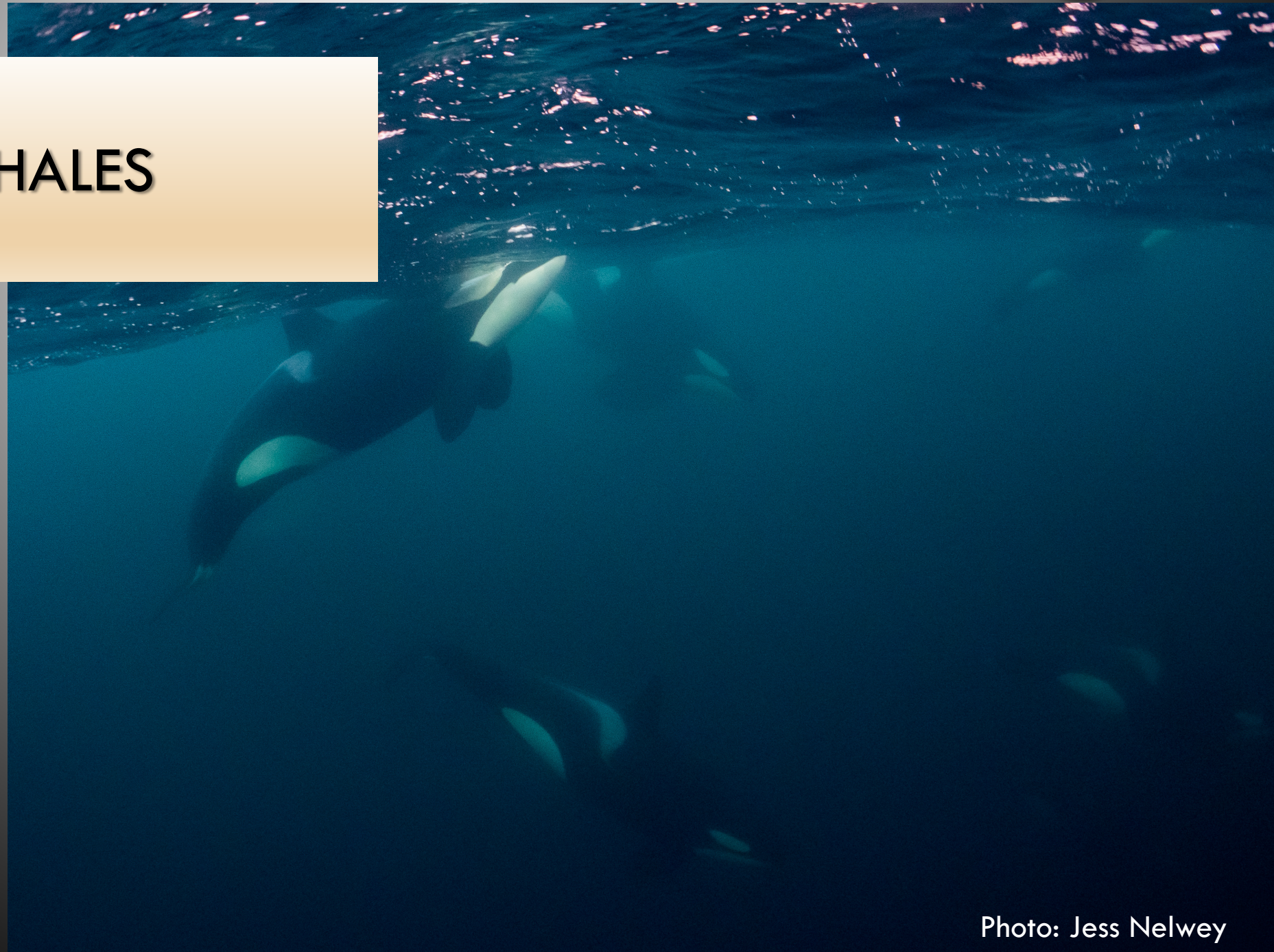


Photo: Jess Nelwey



HOW TO TELL THE DIFFERENCE

TRANSIENT vs RESIDENT KILLER WHALE MORPHOLOGY



Transient



Resident

Note: these are generic traits of each ecotype, but there can be variation in individual whales





SALMON

JUVENILE SALMON + REARING HABITAT

Rearing habitat for threatened Chinook/King salmon from across the region (plus other salmon species!)



Photo: Jess Newley

FORAGE FISH OR BAITFISH

PACIFIC SAND LANCE

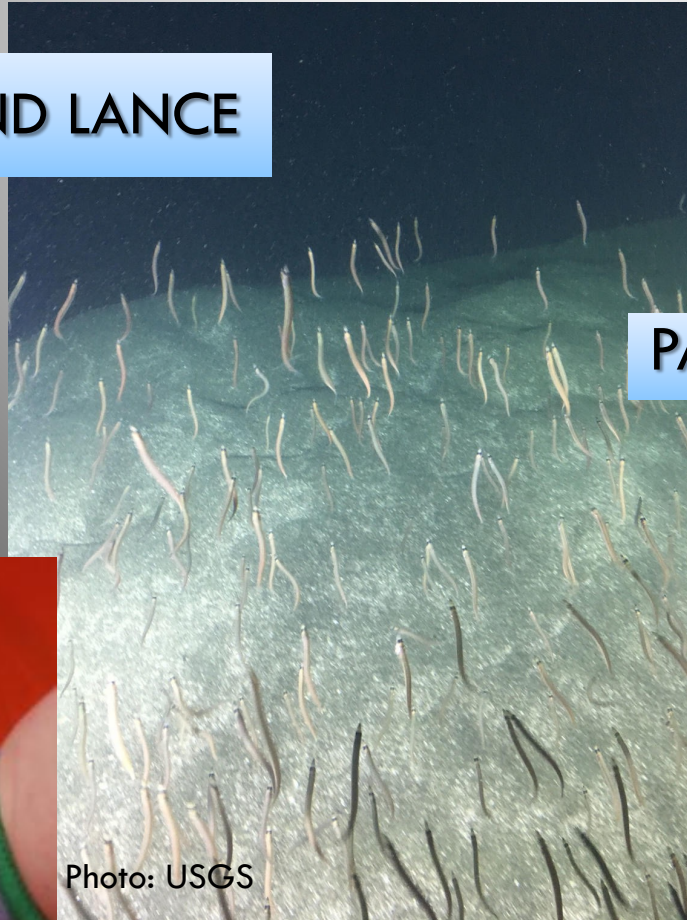


Photo: USGS

PACIFIC HERRING



Photo: Jess Newley



Photo: WDFW

SURF SMELT

A large school of Pacific Herring swimming in clear blue water above a rocky seabed with seaweed.

PACIFIC HERRING

Photo: Jess Newley

SURF SMELT



Coastal watershed institute


- COASTAL WATERSHED INSTITUTE



ANDREW REDDING

NOAA

PACIFIC SAND LANCE



NATURAL BEACHES!

HARD ARMORING

- ANY HARD ARMORING, BULKHEADS, SEAWALLS, ETC. ON THE SHORELINE DISRUPT NATURAL PROCESS
- DISTURB SPAWNING HABITAT FOR FORAGE FISH





NEARSHORE HABITAT



Photo: Jess Newley

EELGRASS MEADOWS

Photo: Jess Newley



Eiko Jones

Pacific herring spawn on eelgrass

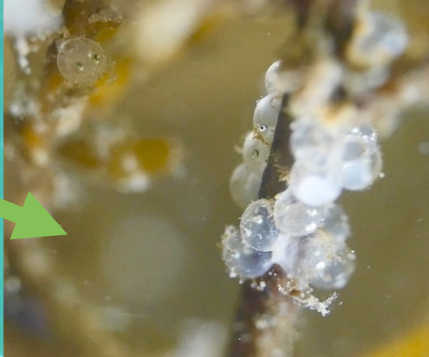


Photo: Florian Graner

EELGRASS HABITAT

ON DECLINE IN MANY PLACES

PRESSURES INCLUDE:

- INCREASING WATER TEMPS
- DISEASE
- DOCKS
- BOAT ANCHORS
- SHORELINE DEVELOPMENT

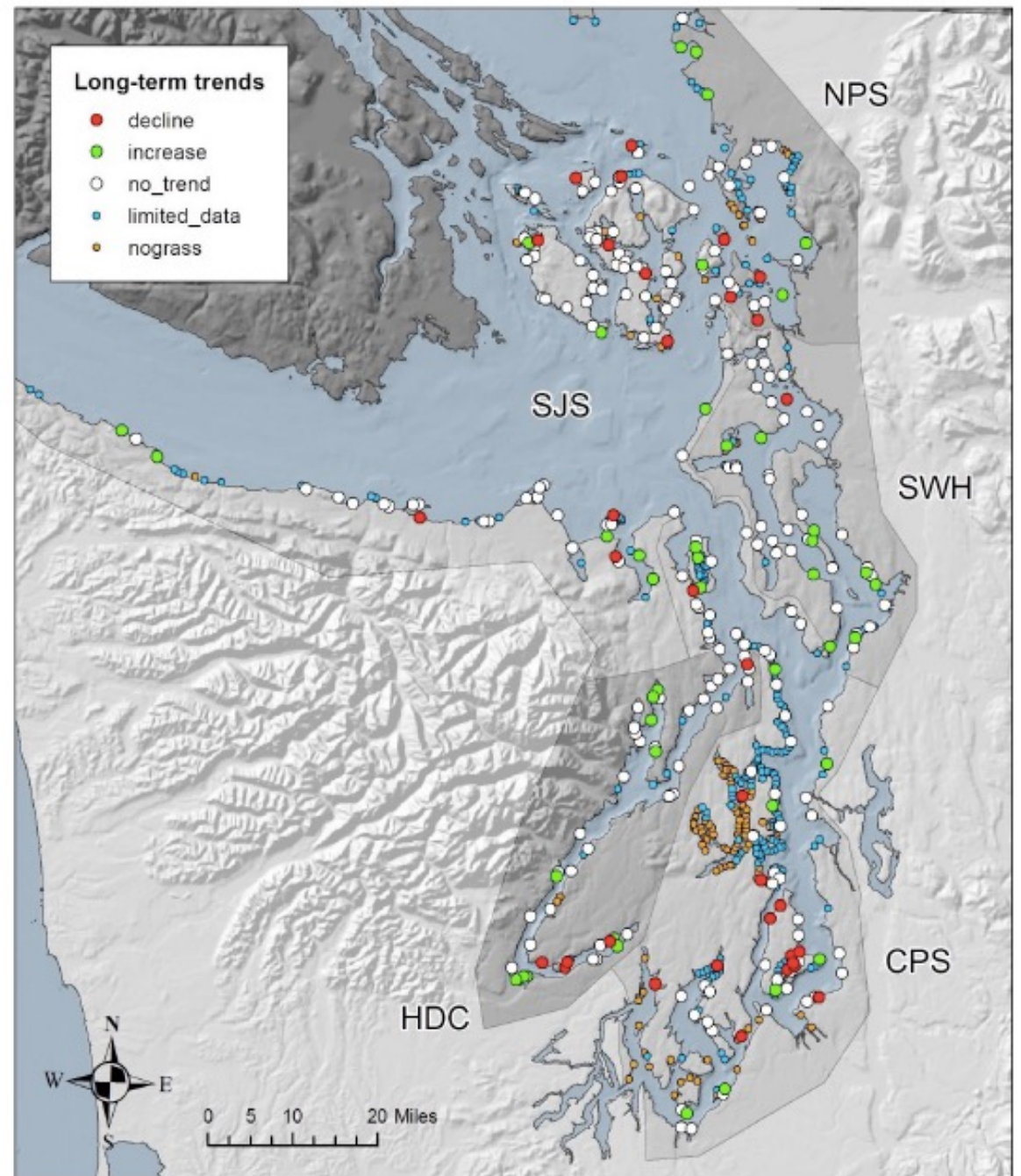


Figure 23: Long term trends for all sites sampled between 2000 and 2017 by the SVMP.

BULL KELP

- GROWS UP TO 2 FEET A DAY
- PLACE OF REFUGE, FOOD & SHELTER FOR MANY INCLUDING HERRING & JUVENILE SALMON
- PERMANENTLY REMOVES CO₂ FROM THE ATMOSPHERE
(SEQUESTER 20 TIMES MORE CARBON PER ACRE THAN LAND FORESTS!)

ALSO ON THE DECLINE IN MANY PLACES DUE TO A VARIETY OF PRESSURES



Photo: Jess Newley

WHAT CAN WE DO?!

- PROTECT AND RESTORE CRITICAL HABITAT FOR SALMON AND FORAGE FISH
- KEEP OUR BEACHES NATURAL
- BUILD A RAIN GARDEN
- VOLUNTEER
 - TREE PLANTING
 - BEACH CLEAN UPS
 - COMMUNITY SCIENCE
- STAY ENGAGED AND USE YOUR VOICE!

