

DIEL USE OF NEARSHORE HABITATS BY FISH IN PRINCE WILLIAM SOUND

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QUESTION • DOES FISH USE OF NEARSHORE HABITATS DIFFER BETWEEN DAY & NIGHT?

DAY & NIGHT SAMPLING

• 6 LOCATIONS IN LATE AUGUST 2007

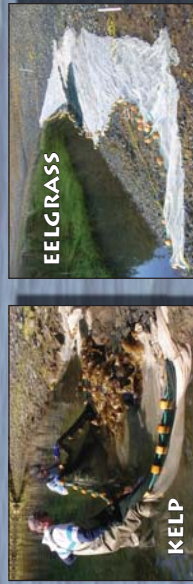


• BEACH SEINED SAME SITES DAY & NIGHT



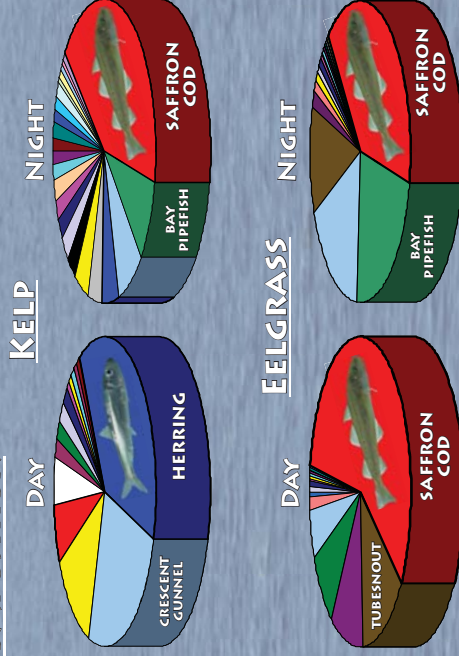
62 HRS LATER

• SEINED 2 HABITATS



WHAT WE FOUND

COMPOSITION

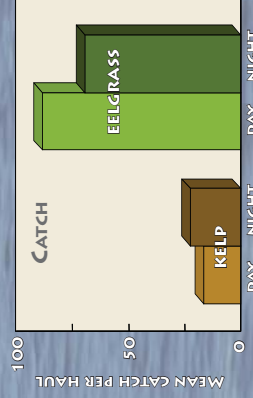


- PACIFIC HERRING MOST ABUNDANT IN DAY
- SAFFRON COD MOST ABUNDANT AT NIGHT
- NUMBER OF SPECIES INCREASED AT NIGHT

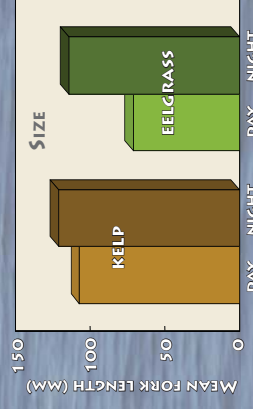
- SAFFRON COD MOST ABUNDANT DAY & NIGHT
- NUMBER OF SPECIES INCREASED AT NIGHT

CATCH & SIZE

• MOST ABUNDANT SPECIES



- CATCH SIMILAR DAY & NIGHT
- CATCH GREATEST IN EELGRASS



- MEAN FISH SIZE INCREASED AT NIGHT

ANSWER

- FISH ABUNDANCE WAS SIMILAR BETWEEN DAY & NIGHT BUT SPECIES COMPOSITION & FISH SIZE CHANGED
- SAMPLING ONLY DURING THE DAY MAY UNDERESTIMATE THE IMPORTANCE OF NEARSHORE HABITATS

Funding provided by North Pacific Research Board and the Oil Spill Research Institute