



Fisheries and Oceans
Canada

Pêches et Océans
Canada

Canadian
Coast Guard

Garde côtière
canadienne

Sept. Survey 2017

Each September for the last 46 years, DFO scientists take to sea for an expedition to assess the abundance and distribution of fish and invertebrates in the Southern Gulf of St. Lawrence and to measure oceanographic variables. Since 2004, the survey is done on a Canadian Coast Guard vessel, the Teleost.



FROM SEPTEMBER 5 TO 29



Otoliths are calcareous structures in the fish inner ear. The age and growth of the fish can be observed through them; in the same manner one reads the rings on a tree trunk.



14

scientists and 21
crew members on
board



237,760

fish and
crustaceans
caught



126

successful
trawl haul



9

oceanographic
variables measured
at each survey haul



4,945

otoliths sampled



48,913

fish and crustaceans
measured
individually



68

Fish species
observed

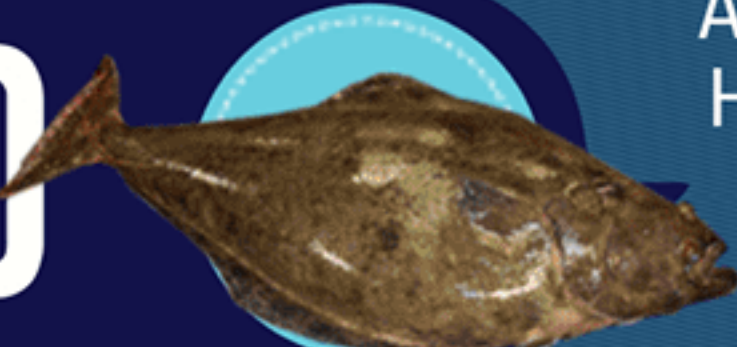
These variables,
such as water
temperature,
plankton,
salinity,
nutrients, pH and
oxygen are key
components of
species habitat



FISH AND CRUSTACEANS MEASURED

Combined with other information, the following data helps assess the relative abundance by size and species.

70



Atlantic
Halibut

Mackerel



765

823



Witch
Flounder

Greenland
Halibut



967

1,070



Atlantic Cod

Hyas Crab



1,216

1,515



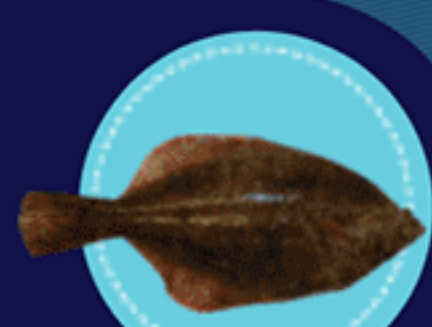
Rainbow
Smelt

Yellowtail
Flounder



1,930

1,961



Winter
Flounder

Herring



2,484

3,494



Redfish

Lobster



3,997

4,916



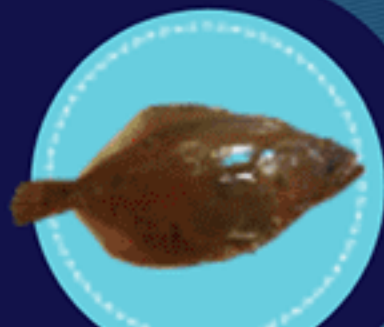
Capelin

Snow Crab



7,709

9,804



American
Plaice