

tive to disturbance by drilling or oil pollution. The survey will use shore bases, aircraft and ships.

*Sea birds* — To identify migration routes, feeding areas and the general ocean areas used by the birds and to find out when they use each area. Aircraft and aerial photography will be used.

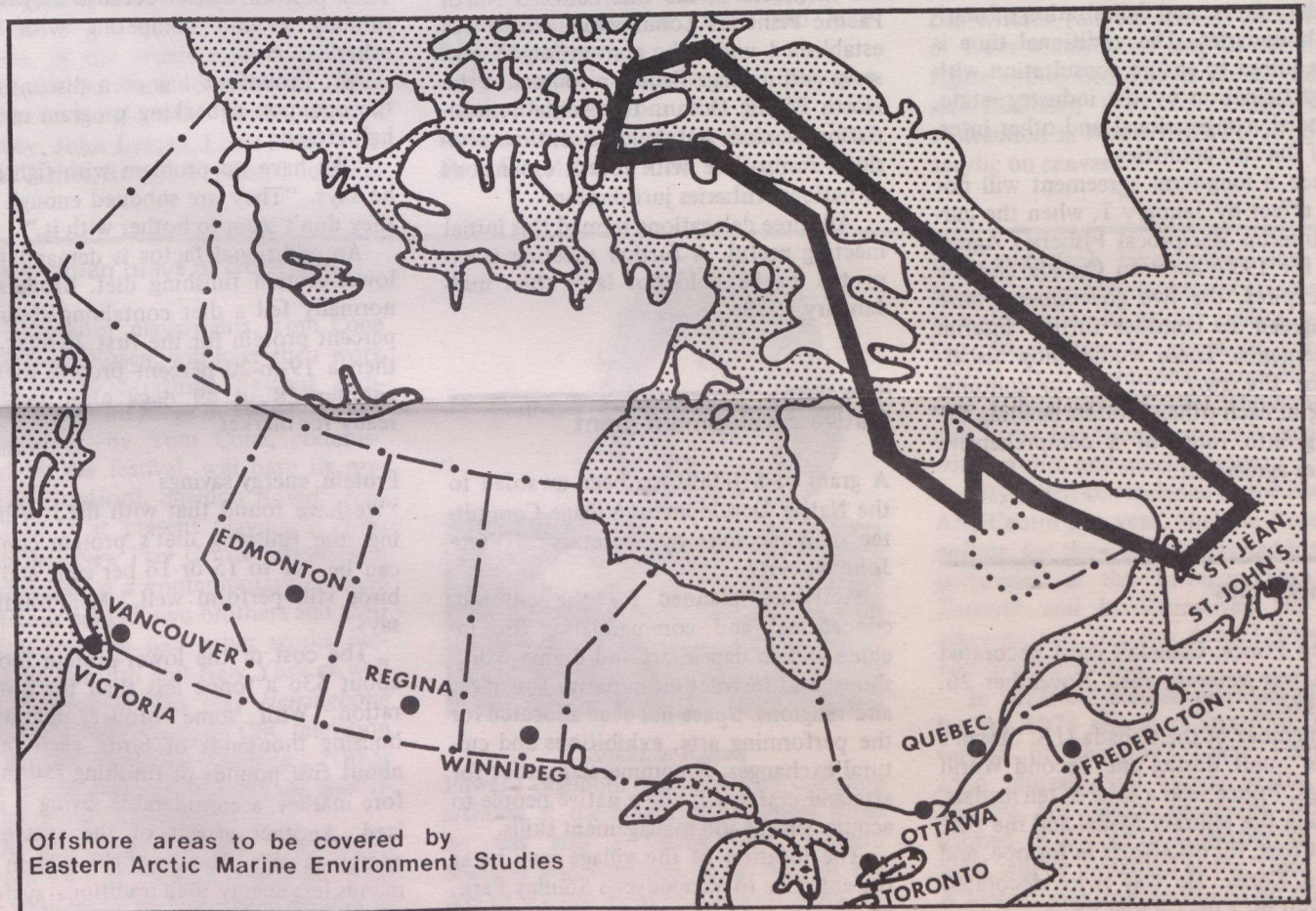
*Polar bears* — To provide information concerning the distribution of polar bears by means of aircraft sightings.

*Polar bear body temperatures* — To determine the effects of oil and polar-bear fur and the regulation of the body temperature of the bears. The study will use captive bears.

Research will also be carried out on ocean fish, Arctic char and inshore fish, zooplankton distribution, sea-bottom animals, effects of oil on mammals, oil degradation and dispersal, oil-spill trajectories and contingency planning. In addition, the research ship *CSS Hudson* will make two trips into Baffin waters to collect water samples for analysis and to examine the rock formations under the sea.



*Common mures raise only one chick per pair and must be four to five years old before becoming sexually mature. At the end of summer, groups of flightless juveniles, usually with one or two adults, swim on an easterly migration to winter in Greenland.*



Offshore areas to be covered by Eastern Arctic Marine Environment Studies