

Atlantic zone monitoring program (AZMP)

Dates: March to November

Recurrence: Annually, since 1998

Location: Estuary and Gulf of St. Lawrence

Vessel: GCCS platform and charter vessel (*Coriolis II*)

Description

The science department is responsible for the management and coordination of the Atlantic zone monitoring program (AZMP) for the Gulf of St. Lawrence. The data collected span the Quebec, Maritimes and Newfoundland. These data are then integrated into the evaluation of the physical, chemical and biological oceanographic conditions of the Estuary and the Gulf of St. Lawrence as well as in scientific publications.

Objectives

1. Collection of data at sea (missions, moorings and oceanographic buoys);
2. Measurement of nutrient concentration (nitrates-nitrites, phosphates, silicates and ammonia);
3. Measurement of dissolved oxygen concentration;
4. Assessment of primary production (Chl-a concentration and species identification);
5. Assessment of secondary production (biomass, composition and abundance);
6. Measurement of physical variables (temperature, salinity); and
7. Data management and dissemination.



Figure 1: Sampling of water using a rosette and sampling of zooplankton using a vertical net.

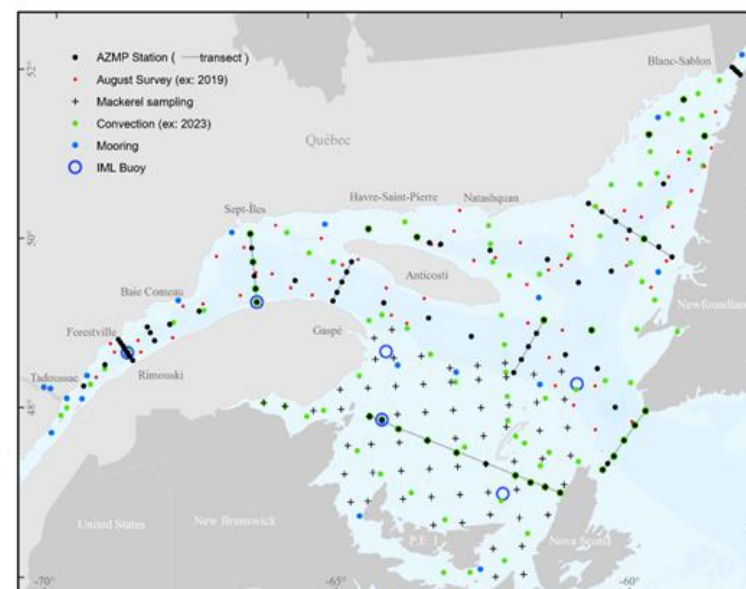


Figure 2: Position of stations sampled during the various scientific missions, moorings and oceanographic buoys.