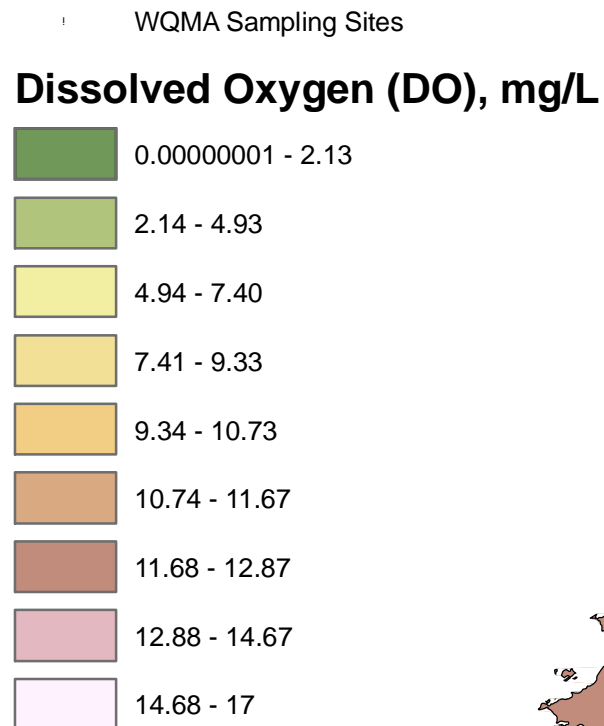
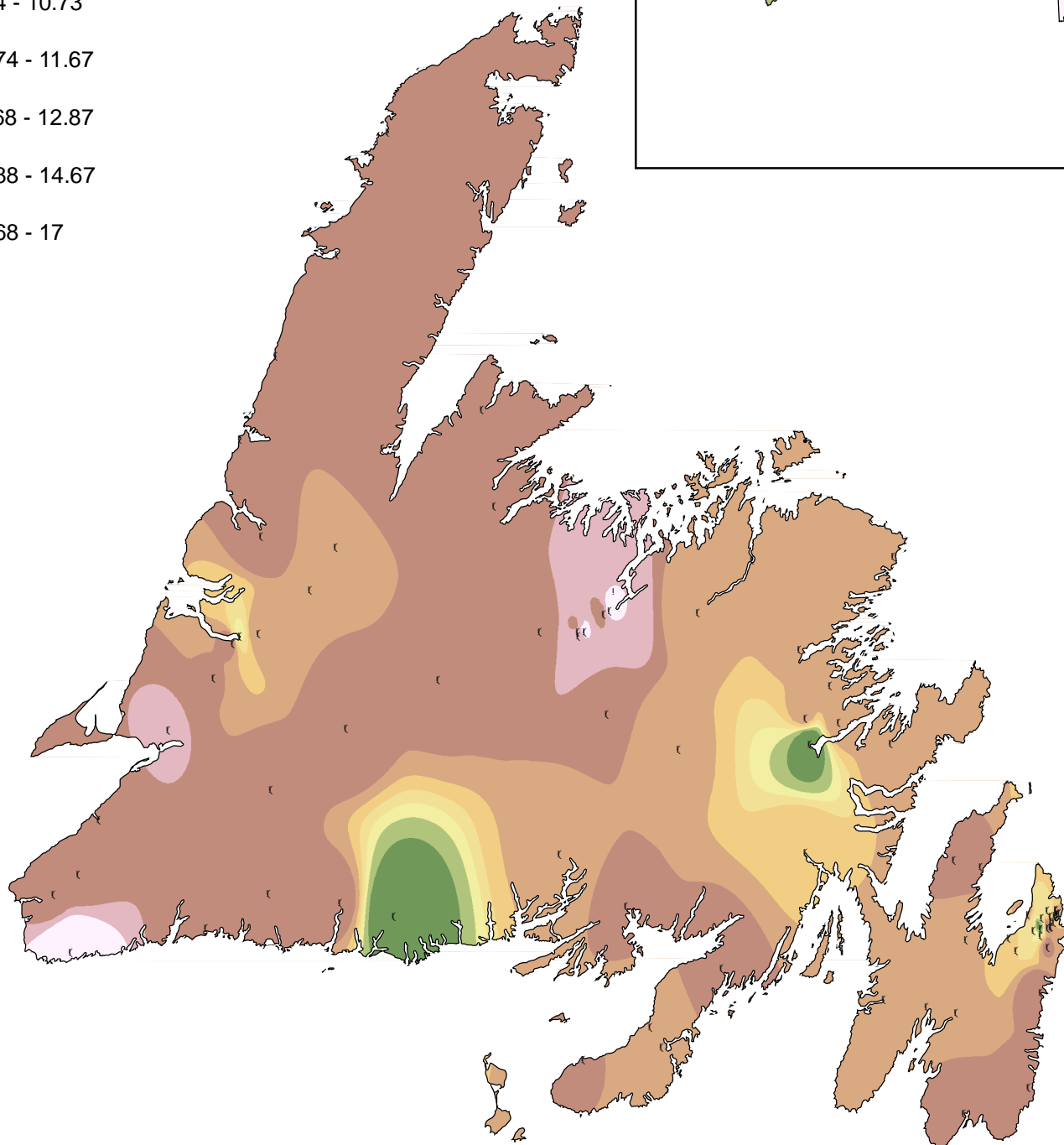
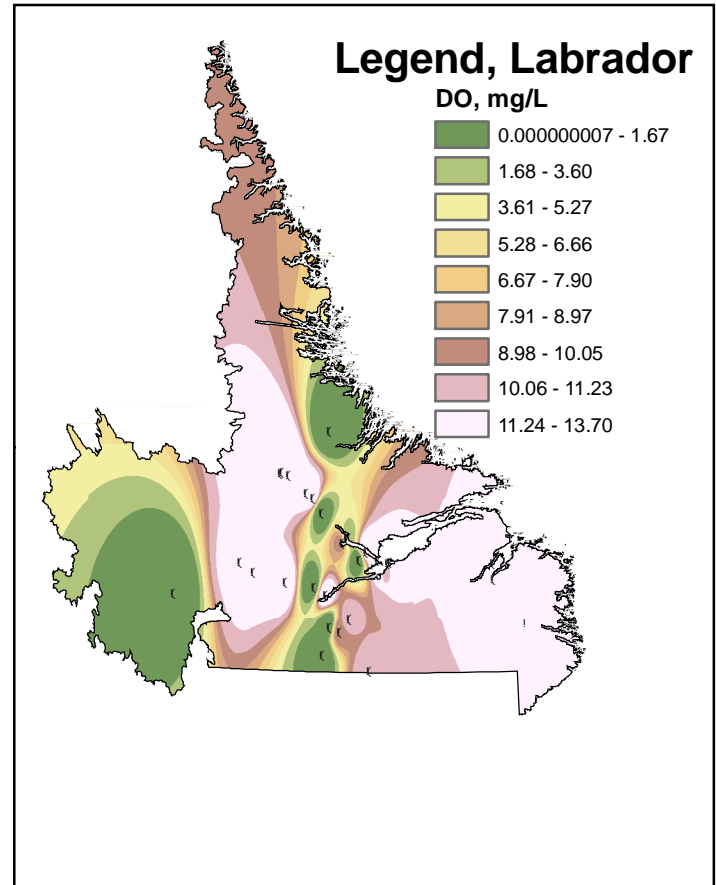
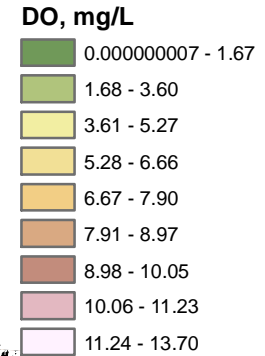


# Dissolved Oxygen Contours Based on Canada-Newfoundland Water Quality Monitoring Agreement Data

## Legend, Newfoundland



## Legend, Labrador



A contour map displays regions, each of which represents a constant value for a particular parameter. These regions are approximations based on average recorded values at WQMA sites for all data collected between 1985-2000. The contour regions were estimated using a geostatistical approach known as Inverse Distance Weight (IDW), with a power of 5. The maps will be updated for every five years of new water quality data collected. Values are compared against the Canadian Council of Ministers of the Environment Water Quality Guidelines for the Protection of Aquatic Life.

Dissolved Oxygen (DO) is oxygen dissolved in water that is required by aquatic life for metabolism (i.e. breathing). The concentration of DO depends on pressure, temperature, and turbulence. Organics in the water can decrease DO concentrations. It tends to be lower in small shallow rivers, which are generally found in urban areas. The DO guideline for the Protection of Aquatic Life is a minimum of 9.5mg/L.