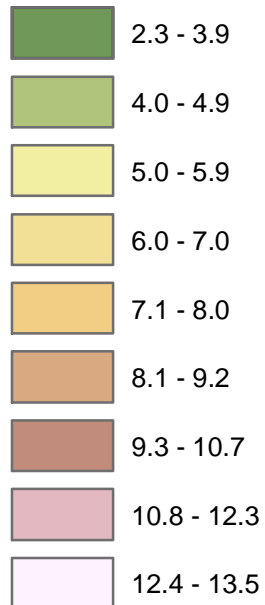


# Dissolved Organic Carbon Contours Based on Canada-Newfoundland Water Quality Monitoring Agreement Data

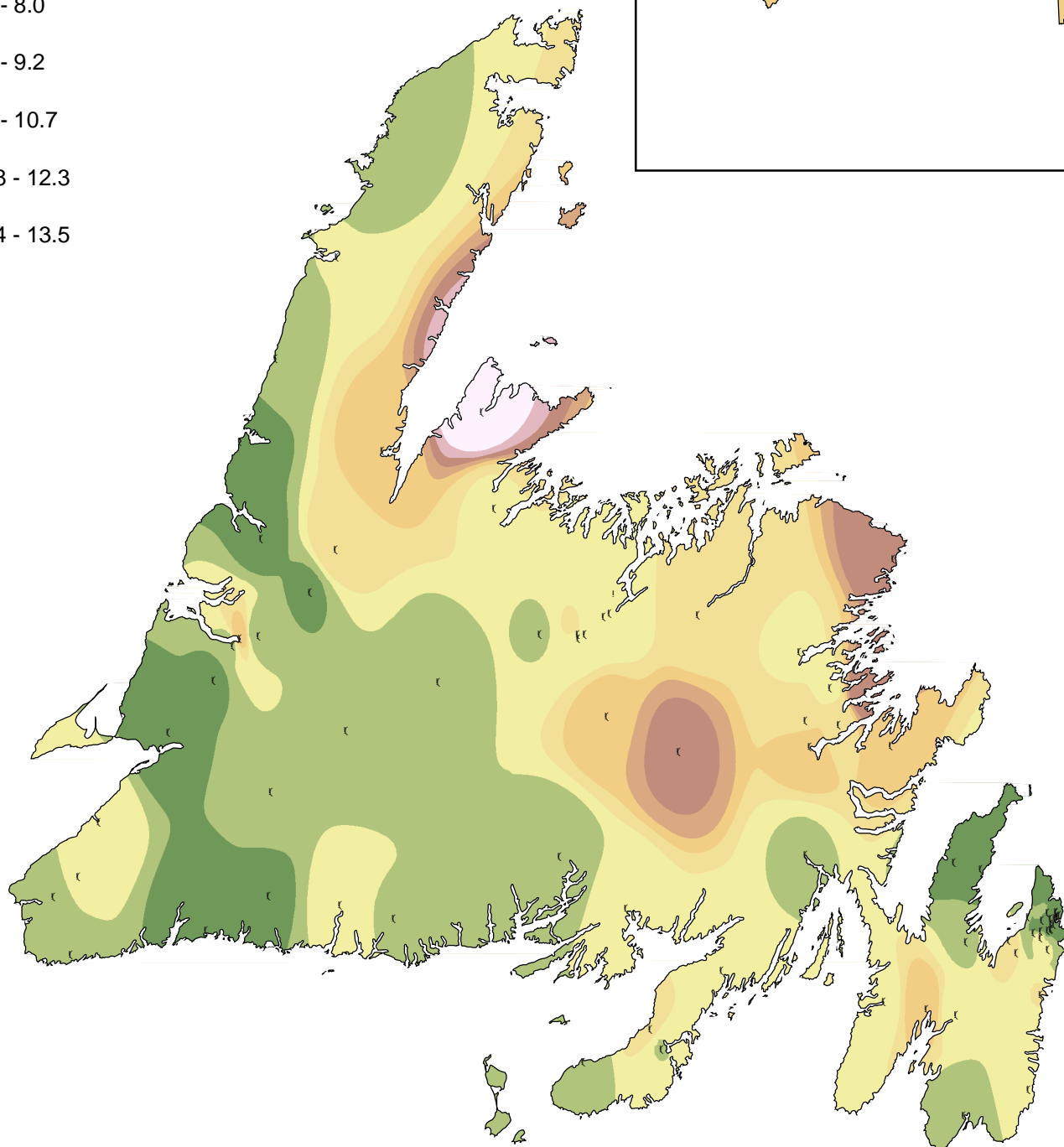
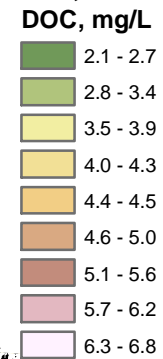
## Legend, Newfoundland

WQMA Sampling Sites

### Dissolved Organic Carbon (DOC), mg/L



## 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 Organic Carbon (DOC) includes soluble carbohydrates, amino acids, and other acids whose sources include photosynthesis, leaching from plant leaves and roots, and soil organic matter. Levels are naturally high in the province due to the abundance of bogs and marshes. Increased levels of DOC can be a result of forest harvesting or the discharge of sewage. There is no DOC guideline for the Protection of Aquatic Life.