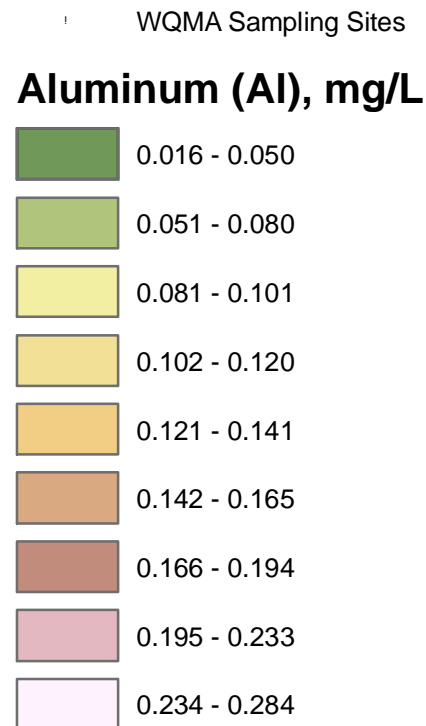
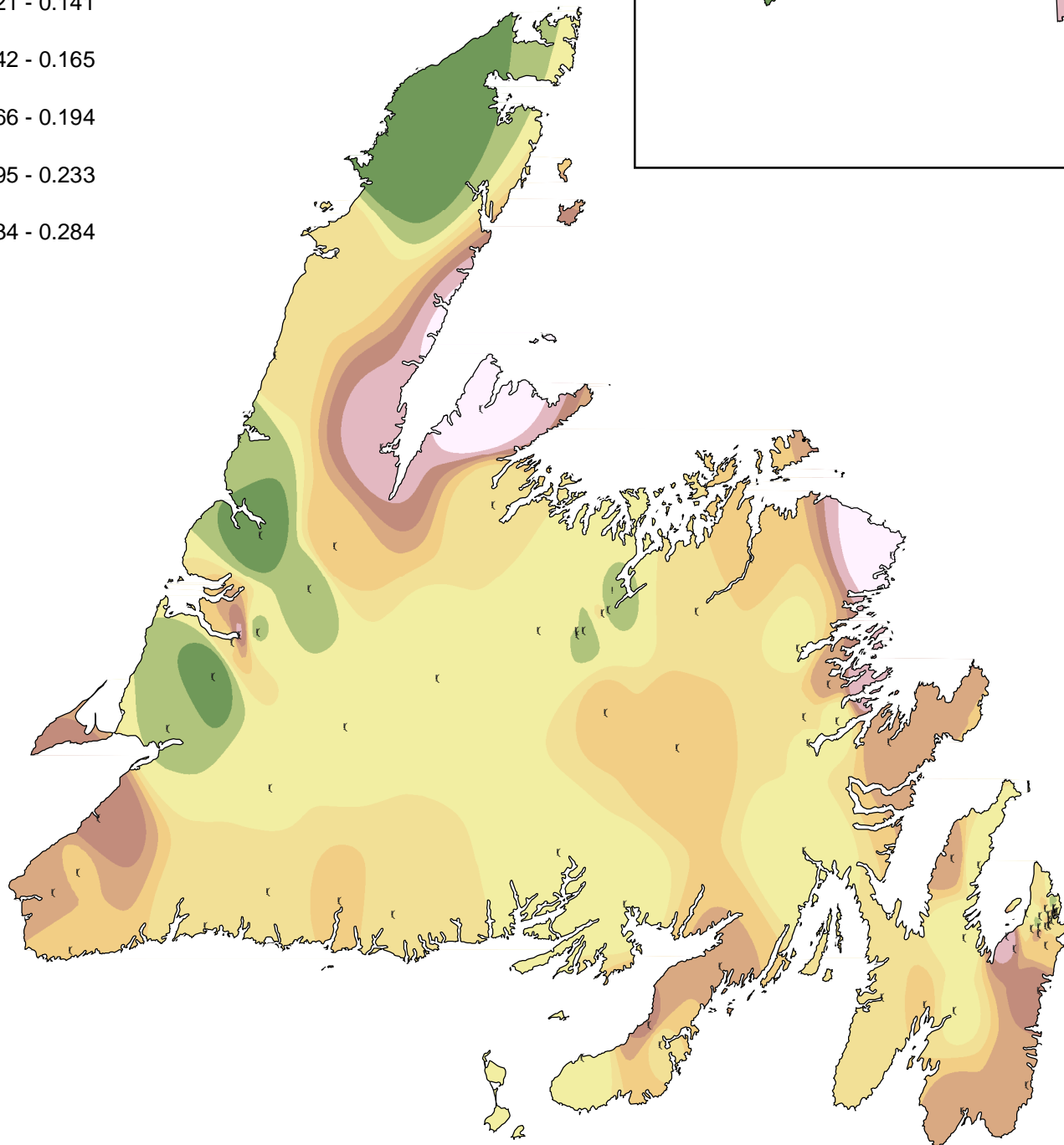
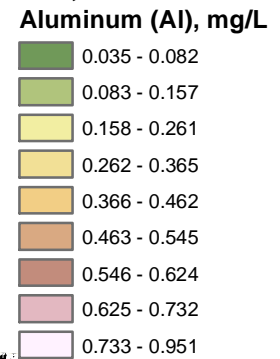


Aluminum Contours Based on Canada-Newfoundland Water Quality Monitoring Agreement Data

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.

Variation in the amount of aluminum in water is primarily dictated by geology in this province. The aluminum guideline for the Protection of Aquatic Life guideline is 0.005-0.100 mg/L. The guideline value is presented as a range because aluminum is dependent on the values of other water quality parameters such as pH, and needs to be adjusted for site specific conditions. Most of the province falls under this guideline.