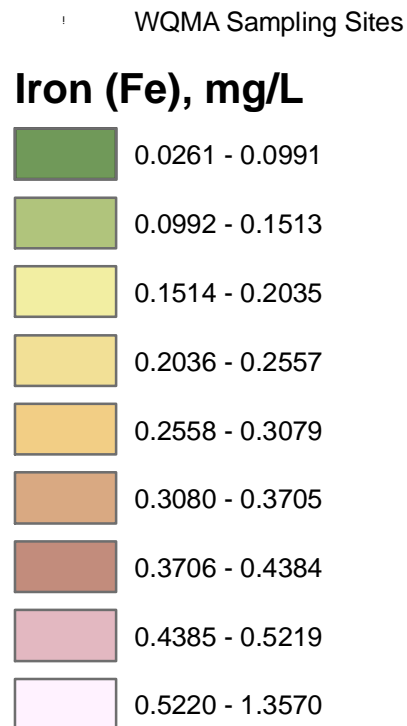
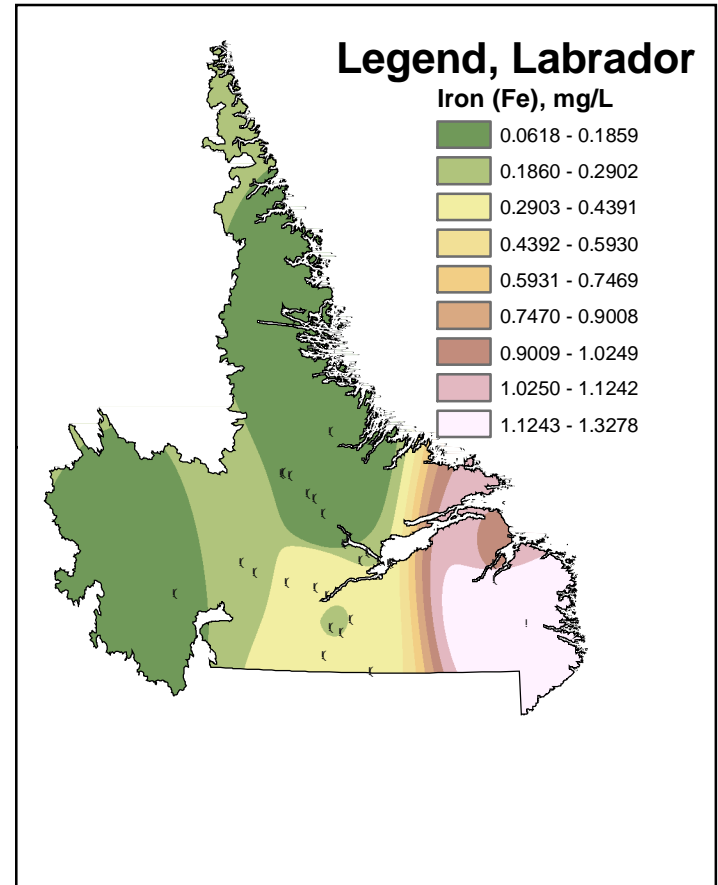
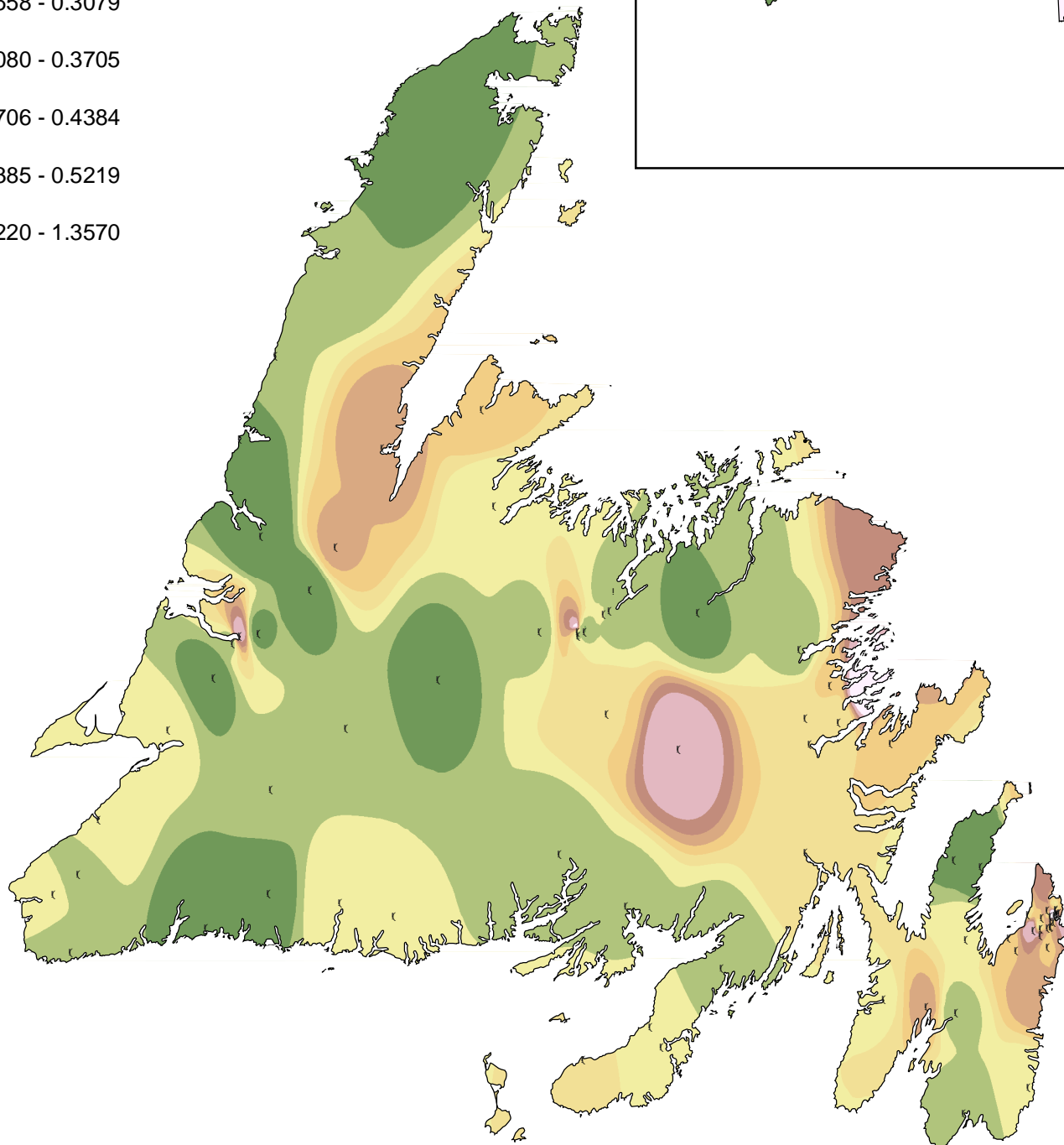
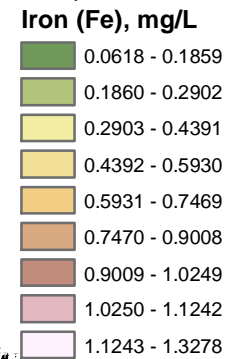


Iron Contours Based on Canada-Newfoundland Water Quality Monitoring Agreement Data

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.

Iron levels are primarily influenced by natural geological variations across the province. In addition, culverting in urban areas may increase the amount of iron found in water bodies around towns and cities. The iron guideline for the Protection of Aquatic Life is 0.3 mg/L. Several areas in the province exceed this level, but it is primarily due to natural geological influences.