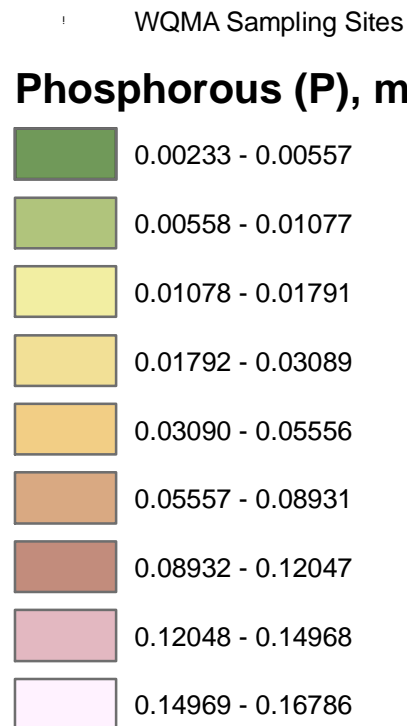
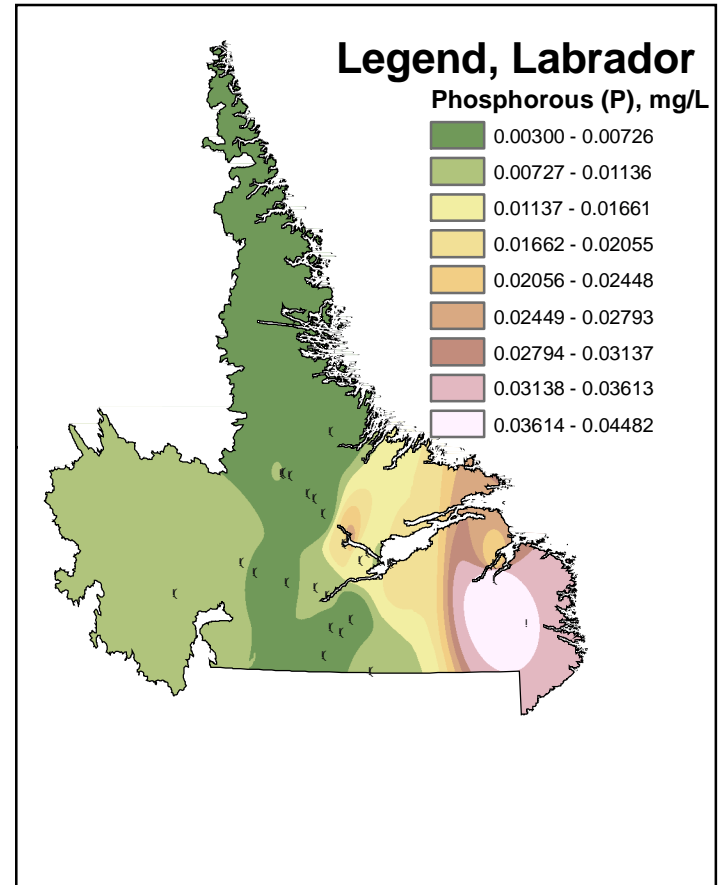
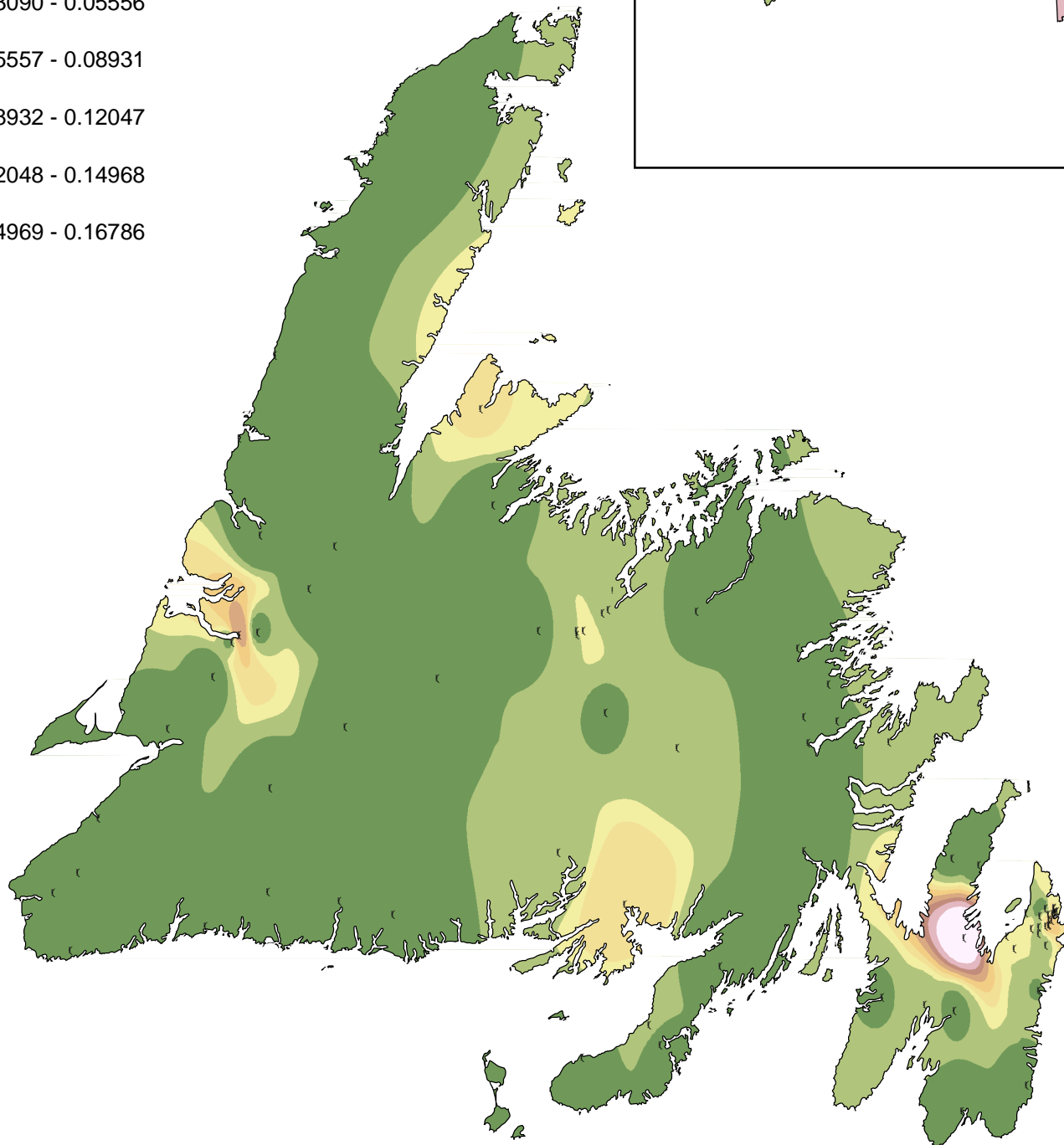
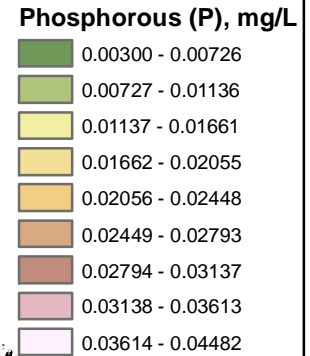


Phosphorous Contours Based on Canada-Newfoundland Water Quality Monitoring Agreement Data

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.

Phosphorous levels are generally increased in areas with agricultural activity and residential runoff. However, it is a part of the natural water column as a major element in all flora and fauna and their by products. The phosphorous guideline for the protection of Aquatic Life is 0.03mg/L for rivers and 0.02 mg/L for impacted lakes. There are localized areas of exceedance in the province, mainly near urban areas.