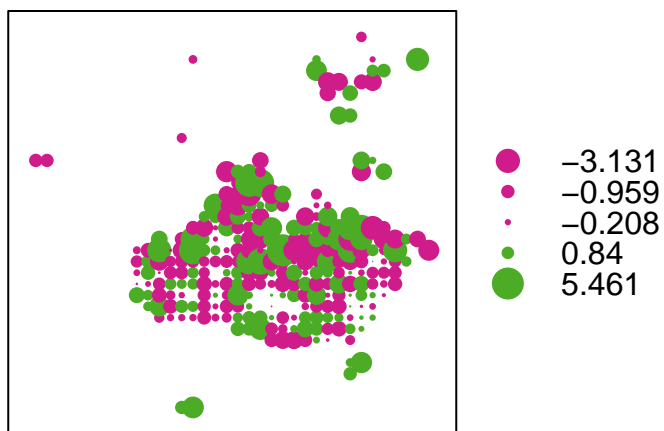
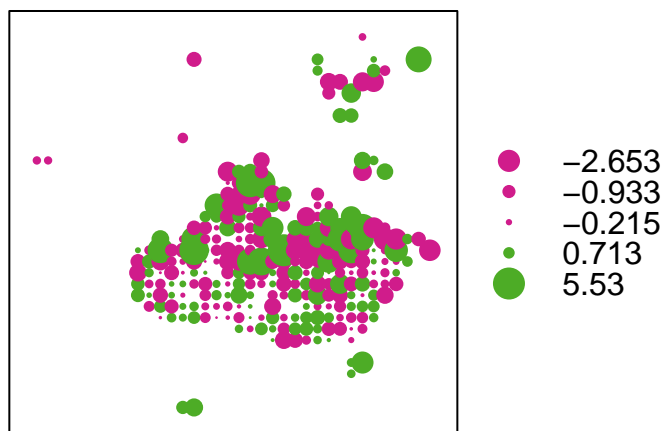


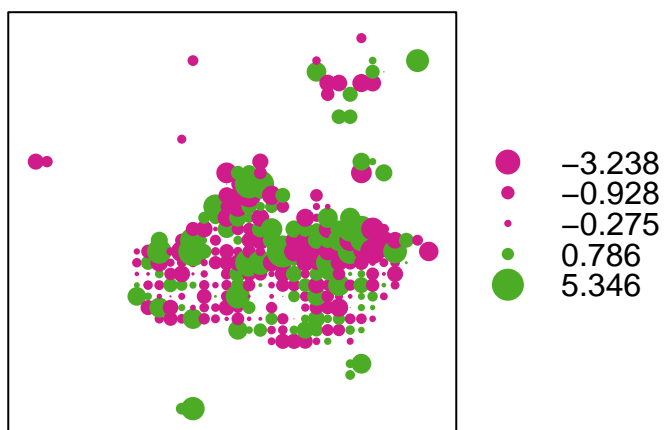
**Sediment conductivity residuals (RMSE = 1.44)**



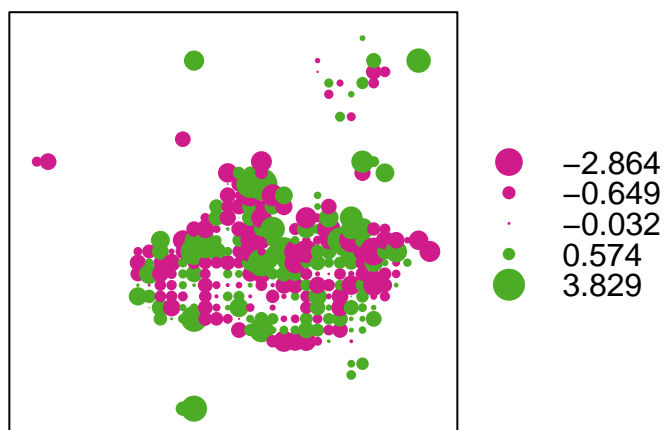
**Chloride residuals (RMSE = 1.42)**



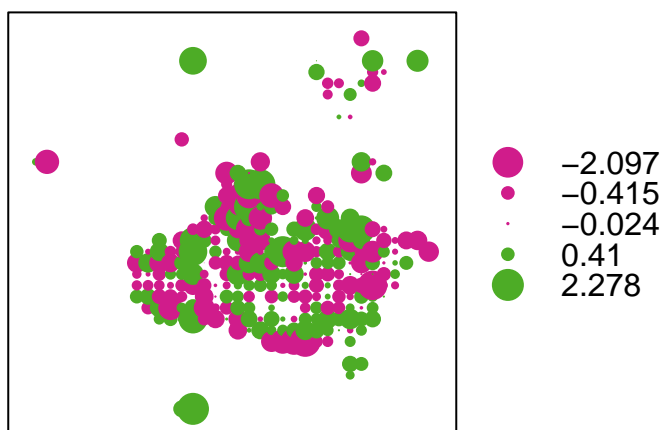
**Sodium residuals (RMSE = 1.41)**



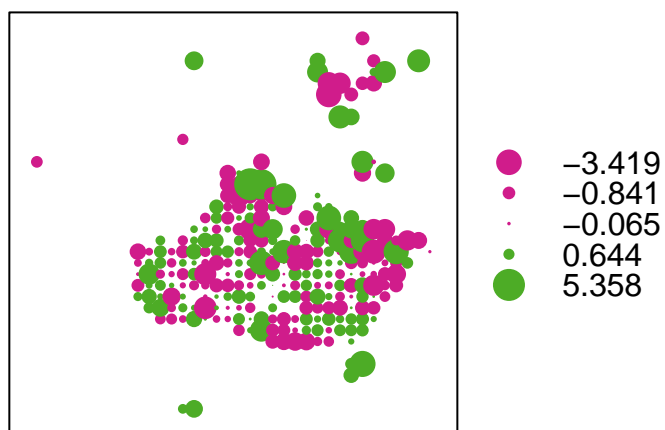
**Magnesium residuals (RMSE = 1.01)**



**Potassium residuals (RMSE = 0.71)**



**Calcium residuals (RMSE = 1.28)**



**Grain size residuals (RMSE = 0.09)**

