Chloride at St. Louis River At Scanlon, Mn (04024000) 12 -A В 0.4 0.4 10 Measured Chloride 8 0 0.2 0.2 Residuals Residuals 6 08 0.0 0.0 ٥٥ -0.2 -0.22 0 2 8 10 2 6 8 10 2011.5 2012 2012.5 2013 6 Predicted Chloride Predicted Chloride Time 0 0 E 0 12 D 12 0.4 10 10 Residuals quantiles Measured Chloride Measured Chloride 8 8 0.2 6 9 00 00 00 4 0.0 o o com -0.2 2 2 6 0 -2 0 2 100 150 200 300 -1.0 -0.5 0.0 0.5 1.0 Theoretical quantiles log(SpecCond) sinDY 00 149 12 **G** 12 10 000 10 Measured Chloride Measured Chloride 8 6 00 2 2 10 20 50 20 40 80 2 5 0 60 log(Turb) Turb

In(Chloride) = -5.328 (Intercept) + 1.327 log(SpecCond) + 0.2861 sinDY + 0.2096 log(Turb) + -0.01082 Turb