log10 TN (mg/L) MDC = 20% MDC = 30% MDC = 22% 2.0 % Var Exp = 14.4 1.0 * 1.5 Observed Values 0.5 Residuals 1.0 0.0 -0.5 0.6 before 0.8 1.2 1.4 after (alfalfa) 1.0 after after (corn) Fitted Values 1.0 1.0 0.5 0.5 Residuals Residuals 0.0 0.0 -0.5 -0.5 0.6 0.8 1.0 1.2 1.4 2012 2016 2013 2014 2015 2017 Fitted Values Year