log10 TKN (mg/L) MDC = 18% MDC = 26% 1.0 MDC = 19% 1.5 % Var Exp = 20.6 0.5 Observed Values 1.0 Residuals 0.0 0.5 0.0 1.0 before 0.4 0.5 0.7 8.0 0.9 0.6 after after (corn) after (alfalfa) Fitted Values 0.5 0.5 Residuals Residuals 0.0 0.0 -0.5 -0.5 0.4 8.0 1.0 2012 0.5 0.6 0.7 0.9 2013 2014 2015 2016 2017

Year

Fitted Values