



## b. Parasite with TN a. Parasite with TP -0.01 -0.01Epidemic size Epidemic size Mixing Mixing (infection prevalence) (infection prevalence) $R^2 = 0.00$ 0.22 $R^2 = 0.00$ -0.03-0.03-0.070.05 Total host density 0.04 -0.07Total host density $R^2 = 0.56$ $R^2 = 0.56$ -0.23-0.23-0.49\*\*\* Phytoplankton Phytoplankton (edible chlorophyll a) (edible chlorophyll *a*) 0.15 $R^2 = 0.77$ $R^2 = 0.73$ +0.29\*\*\* +0.26\*\*\* **Total Total Nitrogen Phosphorus**