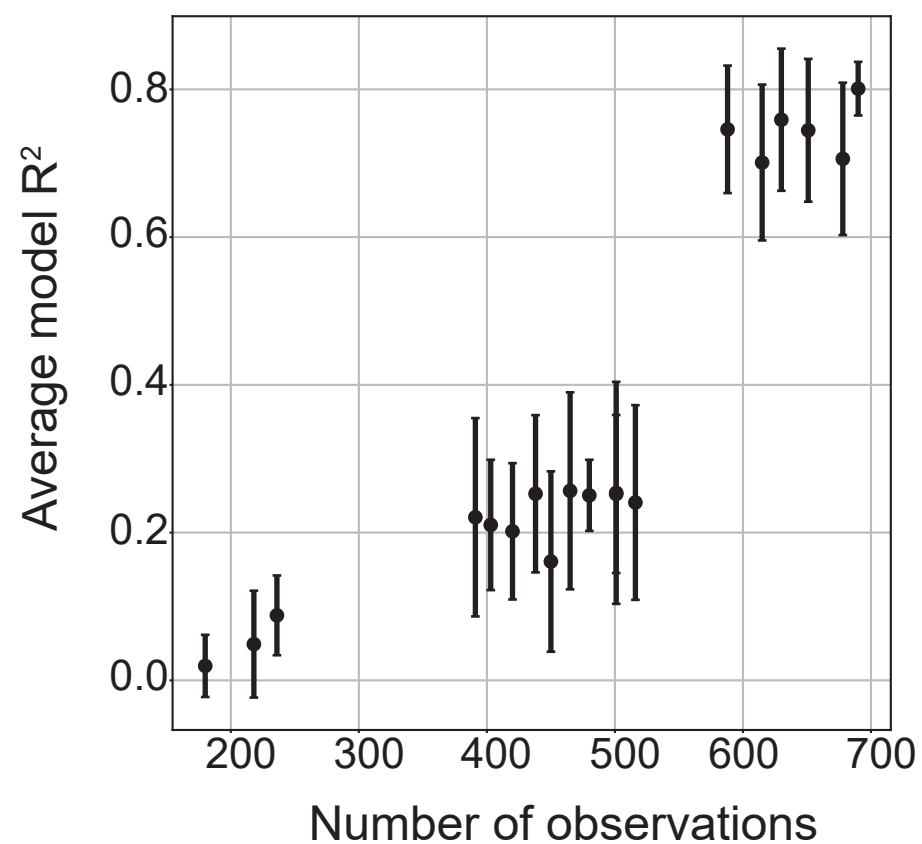
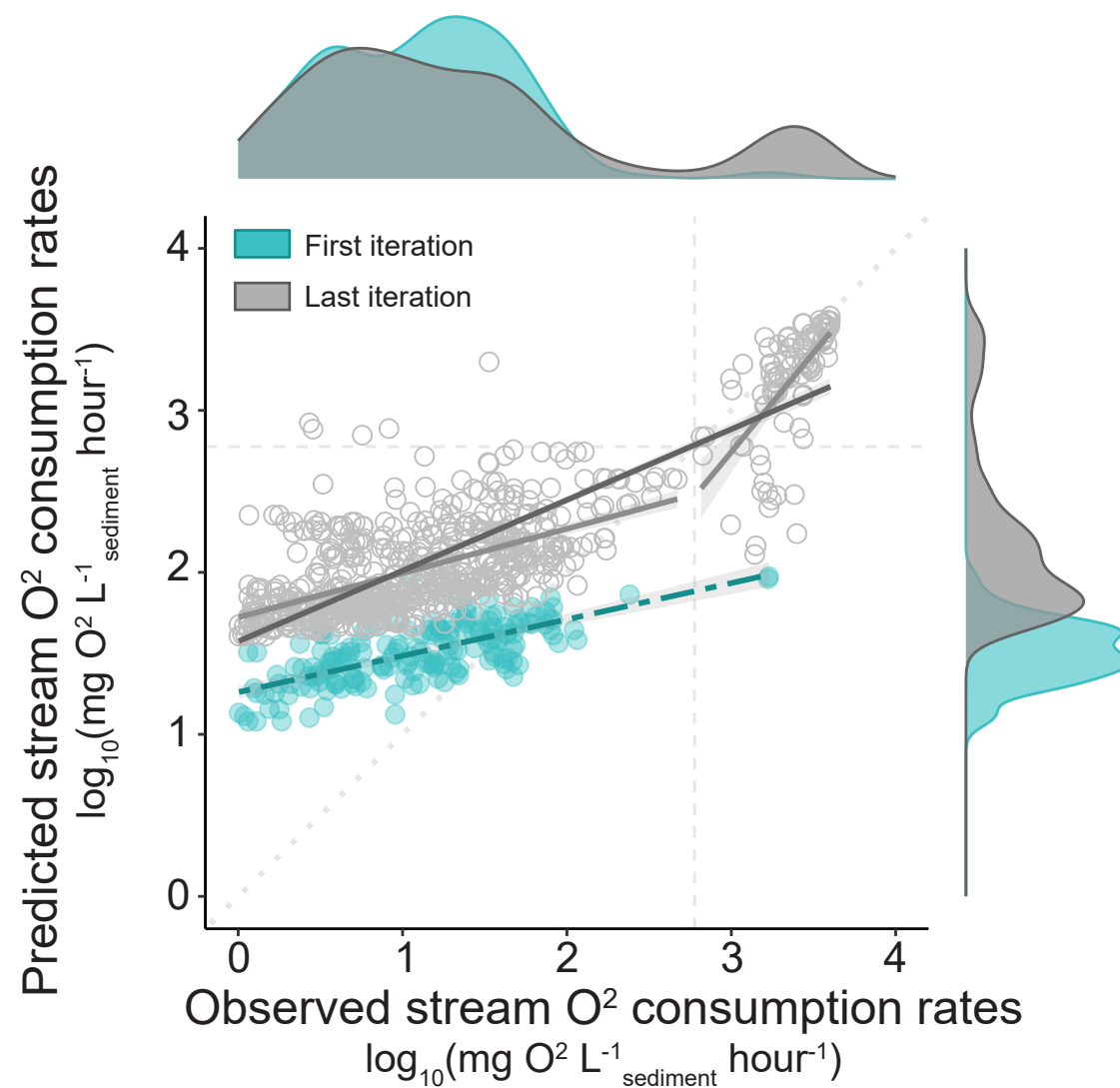


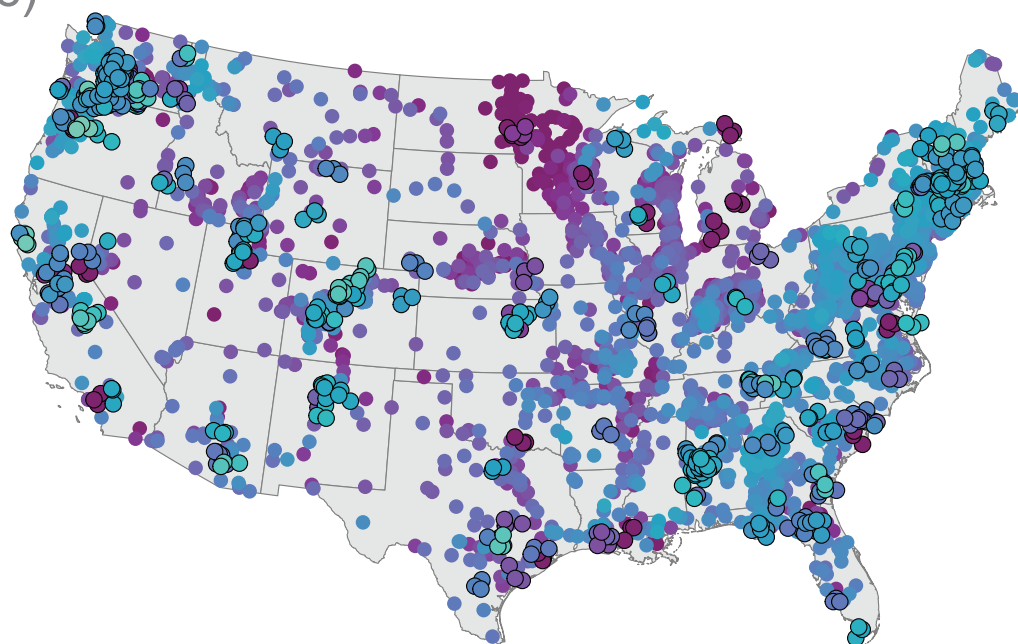
(a)



(b)



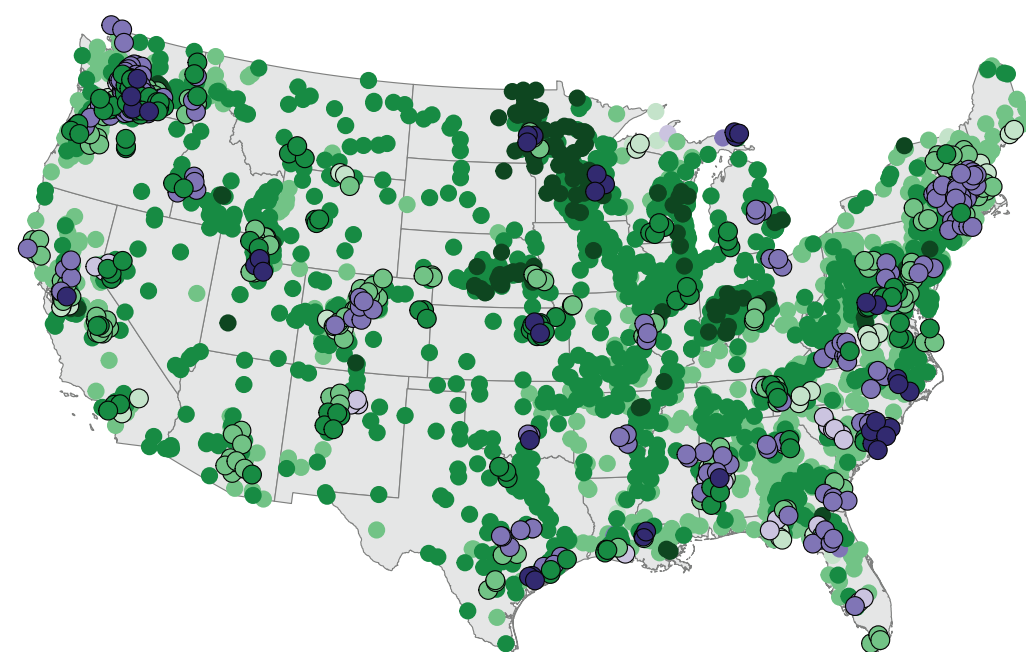
(c)



Predicted stream  $O_2$  consumption rates  
 $\log_{10}(\text{mg } O_2 \text{ L}^{-1} \text{ sediment hour}^{-1})$



(d)



Change in predicted stream  $O_2$  consumption rates  
 from first to last iteration  
 $\log_{10}(\text{mg } O_2 \text{ L}^{-1} \text{ sediment hour}^{-1})$

