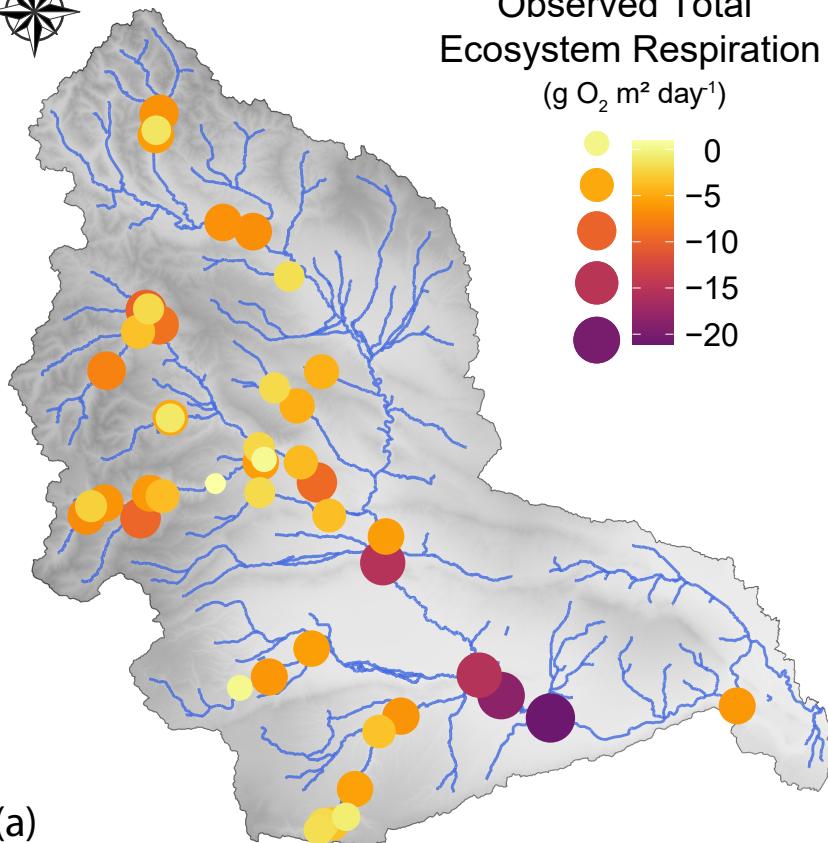
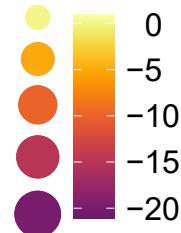




Observed Total  
Ecosystem Respiration

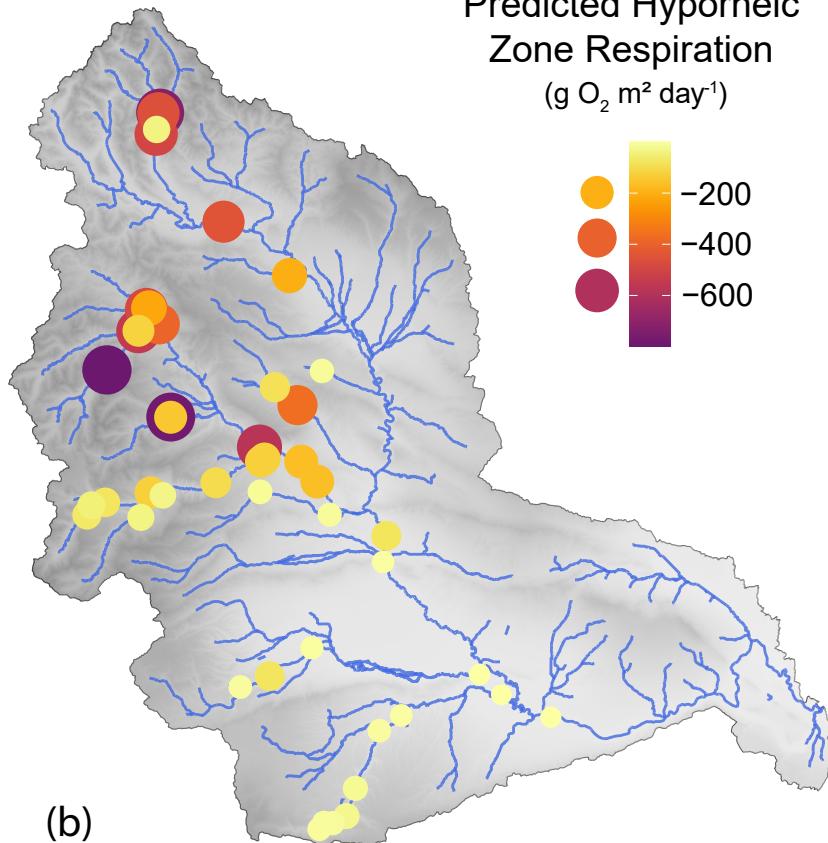
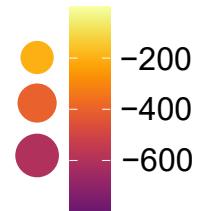
( $\text{g O}_2 \text{ m}^2 \text{ day}^{-1}$ )



(a)

Predicted Hyporheic  
Zone Respiration

( $\text{g O}_2 \text{ m}^2 \text{ day}^{-1}$ )



(b)

40 km