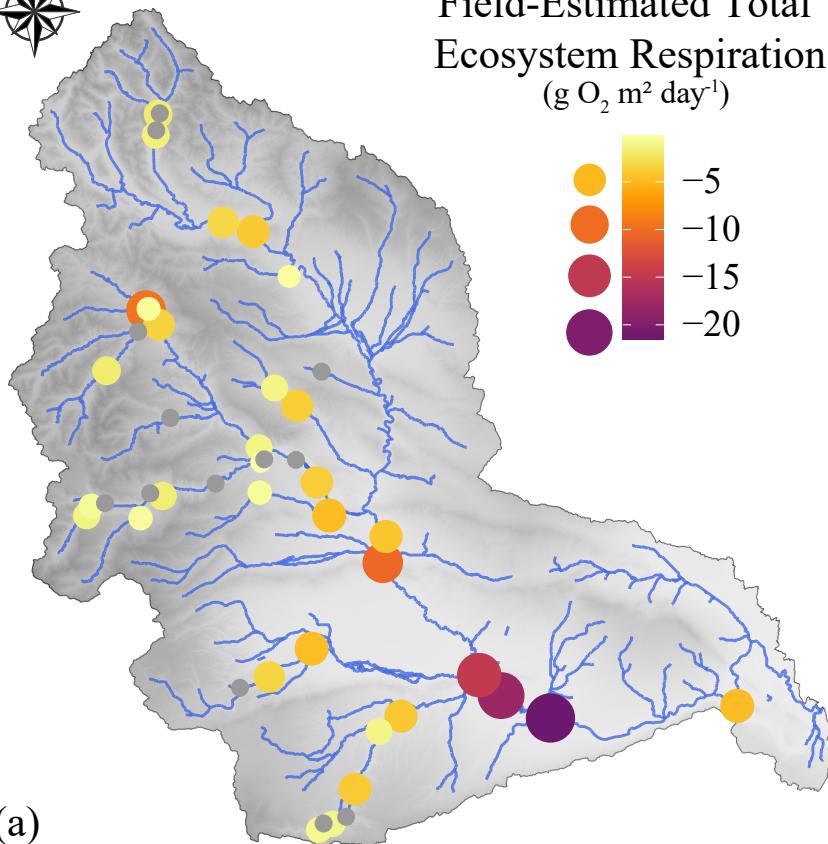
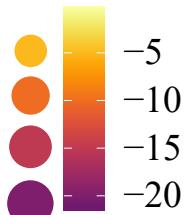


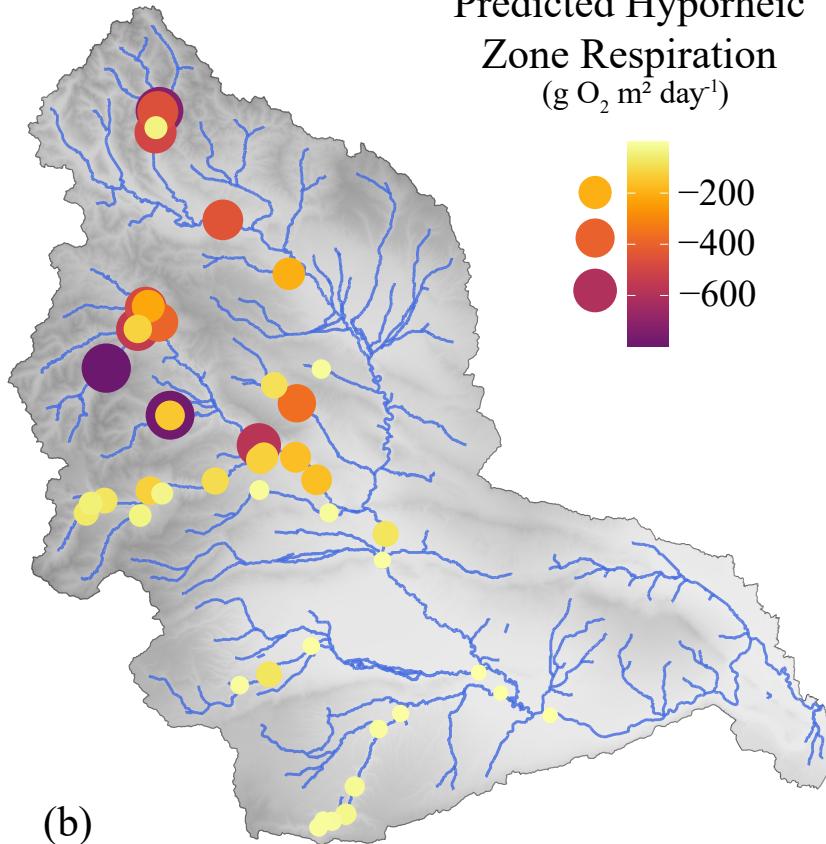
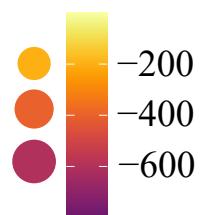


Field-Estimated Total  
Ecosystem Respiration  
( $\text{g O}_2 \text{ m}^2 \text{ day}^{-1}$ )



(a)

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



(b)

40 km