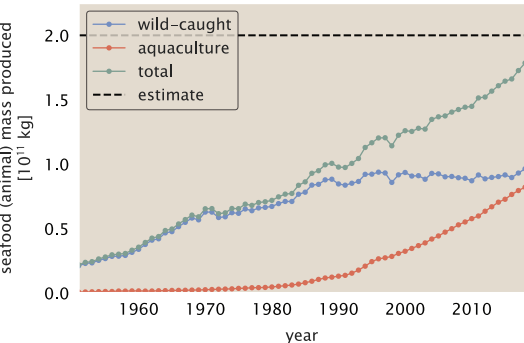


(A)

SEAFOOD MASS ESTIMATE



seafood mass,  $m_{\text{seafood}}^{(\text{diet})} \approx \frac{f \times 10^{-1} \text{ kg}}{\text{person} \times \text{week}} \times \frac{52 \text{ weeks}}{1 \text{ year}}$   
 $\approx f \times 10 \text{ kg} / (\text{person} \times \text{year})$   
global seafood mass,  $m_{\text{seafood}} \approx \frac{f \times 10 \text{ kg}}{\text{person} \times \text{year}} \times 8 \times 10^9 \text{ people}$   
 $\approx f \times 10^{11} \text{ kg} / \text{year}$



(B)

AQUACULTURE STOCK POPULATION

cultured carp



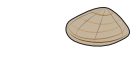
$m_{\text{carp}} \approx f \text{ kg}$   
 $t_{\text{mature}} \approx 0.8 \text{ year}$

cultured shrimp



$m_{\text{shrimp}} \approx f \times 10^{-2} \text{ kg}$   
 $t_{\text{mature}} \approx 0.5 \text{ year}$

cultured clams & oysters



$m_{\text{shelled}} \approx f \times 10^{-2} \text{ kg}$   
 $t_{\text{mature}} \approx f \text{ years}$