

Source NO_3^-
 $(\delta^{15}\text{N}_{\text{sNO}_3})$

Residual NO_3^-
 $(f_{\text{rNO}_3}, \delta^{15}\text{N}_{\text{rNO}_3})$

Residual NH_4^+
 $(f_{\text{rNH}_4}, \delta^{15}\text{N}_{\text{rNH}_4})$

Phytoplankton
 $(f_{\text{phy}}, \delta^{15}\text{N}_{\text{phy}})$

**Grazing
Zooplankton**
 $(f_{\text{zoo1}}, \delta^{15}\text{N}_{\text{zoo1}})$

**Predator
Zooplankton**
 $(f_{\text{zoo2}}, \delta^{15}\text{N}_{\text{zoo2}})$

Particulate Organic Nitrogen
 $(\delta^{15}\text{N}_{\text{PON}}, \text{TP}, \delta^{15}\text{N}_{\text{Phe}})$