

Practice Problem – Estuary

1) $T_{out} = 210 \text{ m}^3/\text{sec}$ $T_{in} = 180 \text{ m}^3/\text{sec}$

2) New salinity = 34.05

3) Res Time 1 = $(.143 \cdot \text{Volume}) / 35 \text{ m}^3/\text{s}$

Res Time 2 = $(.027 \cdot \text{Volume}) / 10 \text{ m}^3/\text{s}$

% Diff = 32%

Practice Problem – Continuity

1) $w = 0$