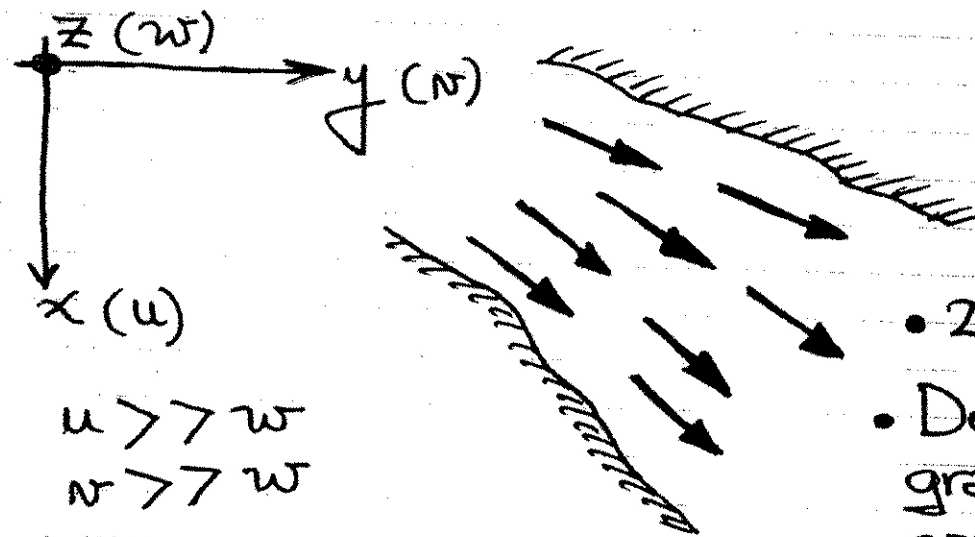


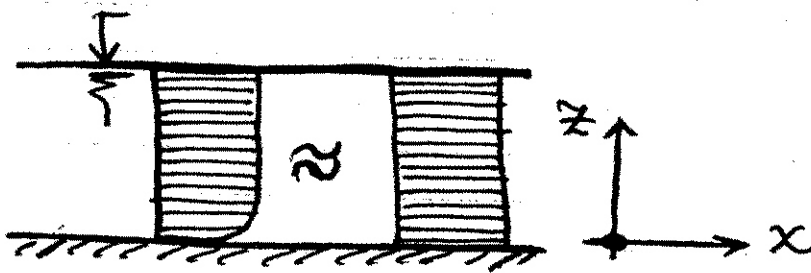
Examples of modeling:

1) ESTUARIES:

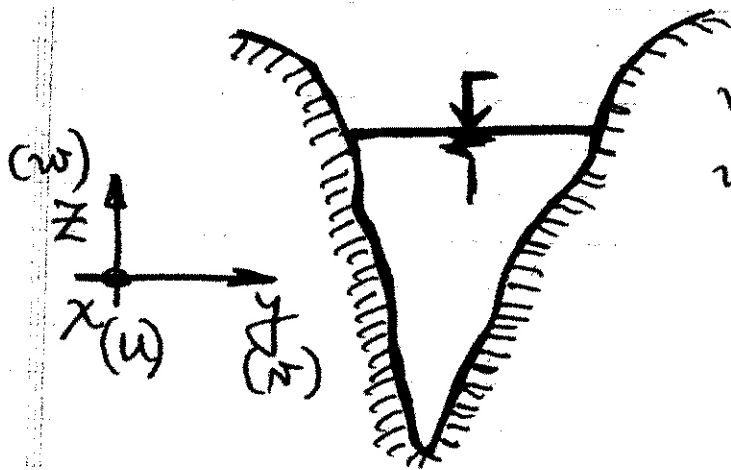


$u \gg w$   
 $N \gg w$

- 2D approx.
- Depth-integrated approaches



2) FJORDS:

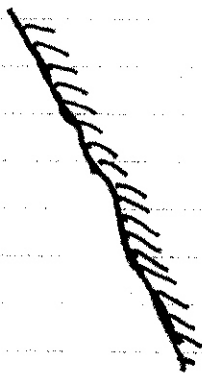
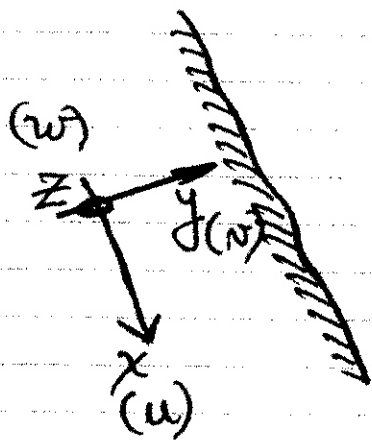


$w \gg N$

$u \gg N$

- 2D approx.
- Transversally integrated

### 3) RIVERS:



$$u \gg v$$

$$u \gg w$$

• 1D approx