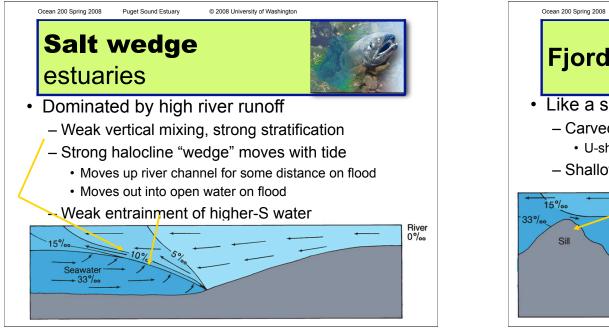
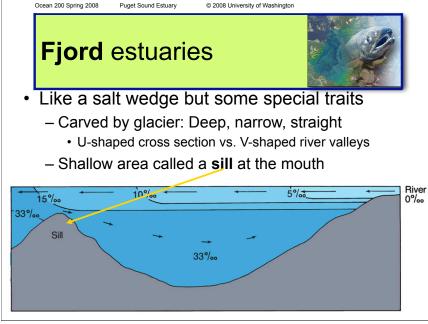


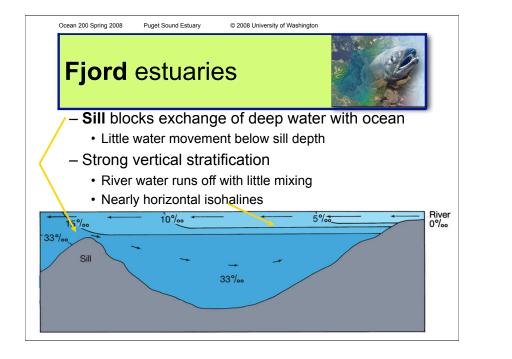
- Classified by pattern of vertical stratification
- Salinity is the most important factor
  - · Unlike temperature dominance in most oceans
  - Change in salinity between upper and lower layers
    See table in lab manual p. 38.
- Vertical salinity gradient is a balance
  - · River flow creates the stable vertical stratification
  - Mixing due to tidal action disrupts stratification.

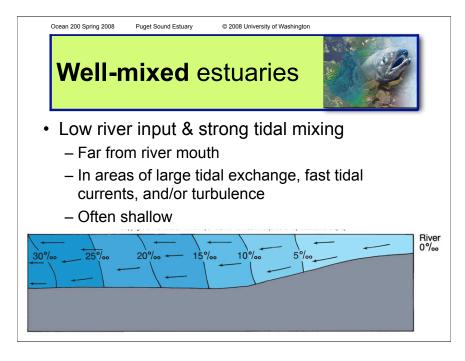


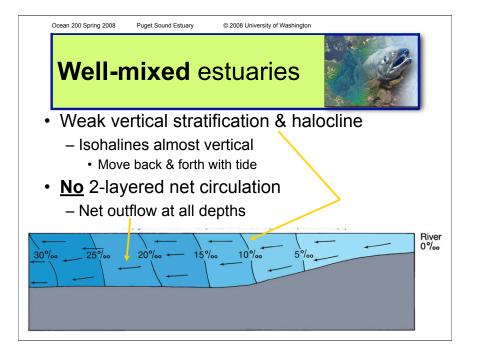
- Large river mouths
  - Columbia & Mississippi
- Smaller river mouths entering larger estuaries
  - Duwamish entering Puget Sound
- Named for sharp boundary between river & sea water
  - Strong halocline moves back and forth with tides
  - Strong vertical stratification

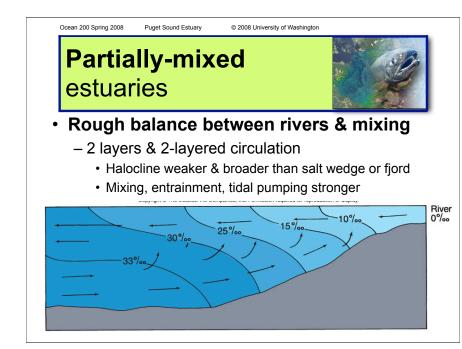


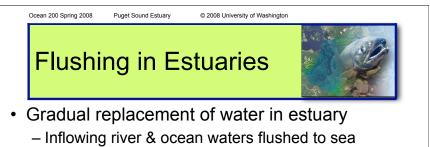












- Removes pollutants, replaces nutrients & O<sub>2</sub>

