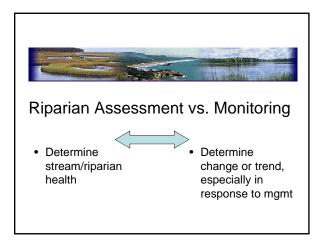
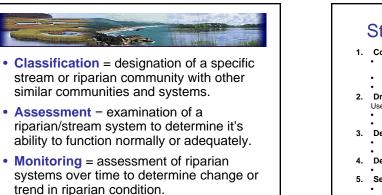
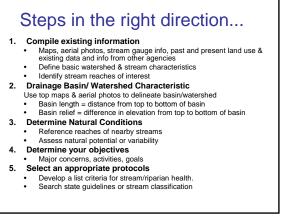


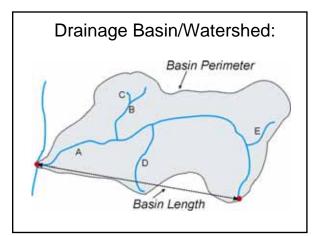
What is a healthy stream?

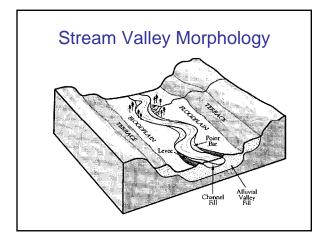


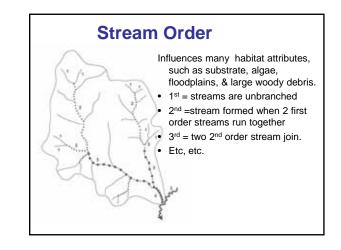


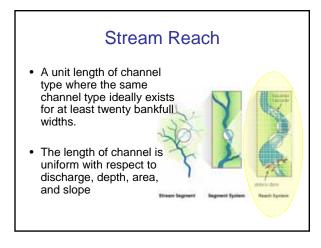


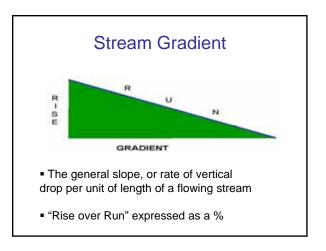


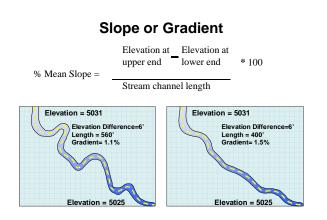


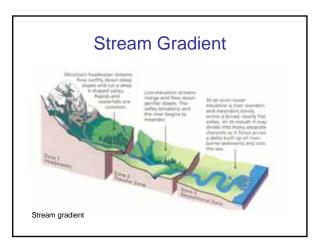


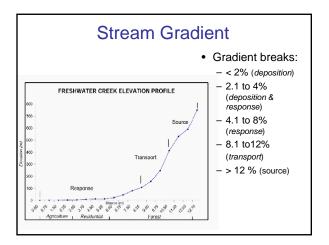


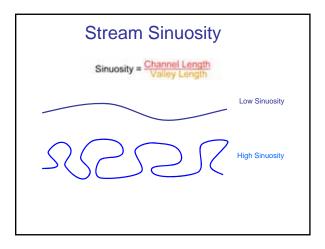


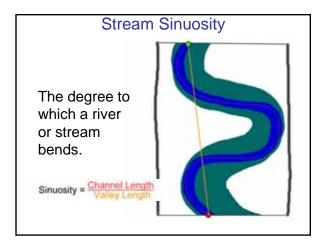




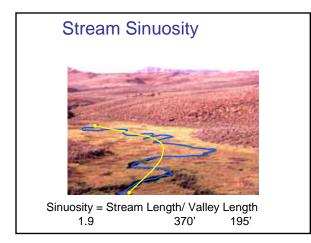


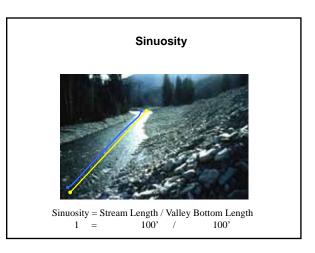


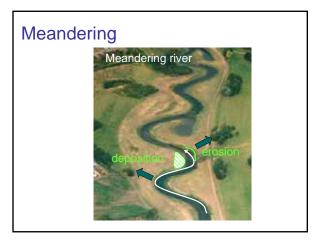








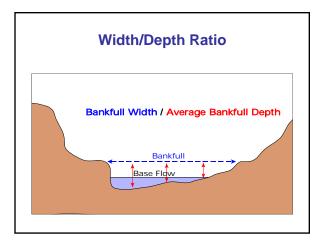


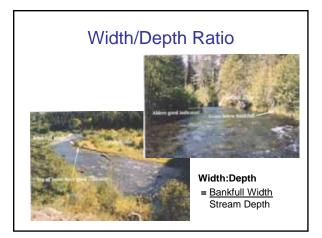


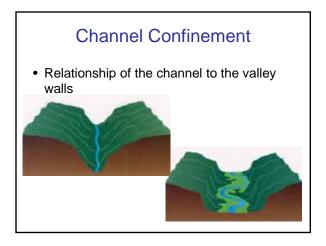
## Width/Depth Ratio

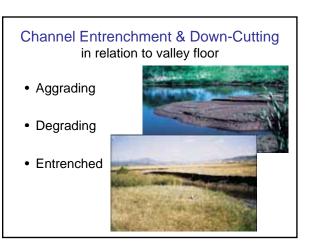
• Bankfull = the stage at which the flow that just fills the channel to the top of its banks and at a point where the water begins to overflow onto a floodplain.

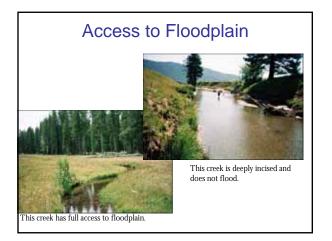


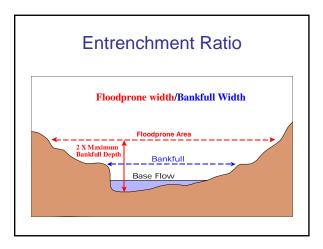










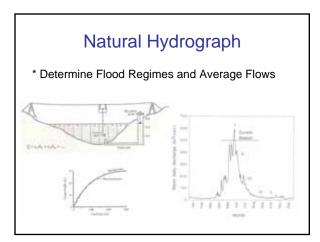


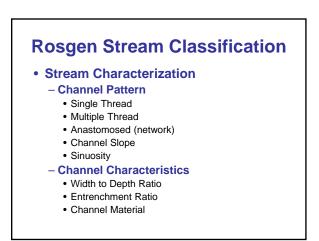
## **Channel Lateral Movement**

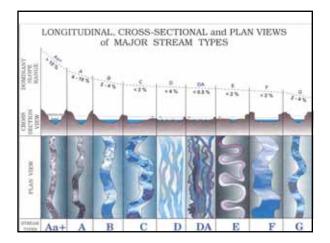
- Not evident
- Avulsion evident or dramatic movement
- Downcutting or widening
- Progression progressive lateral movement

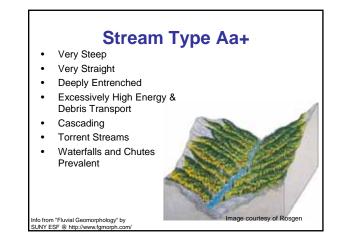
## **Stream Duration**

- **Ephemeral** flows in response to precipitation
- Subterranean a subsurface flow follows or intercepts the channel bed
- Intermittent flows seasonally or sporadically (depends on springs, snowmelt, etc.)
- Perennial surface water persists yearlong

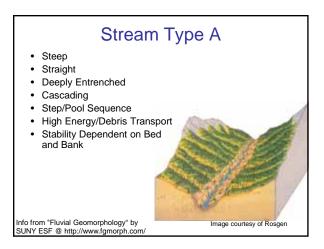


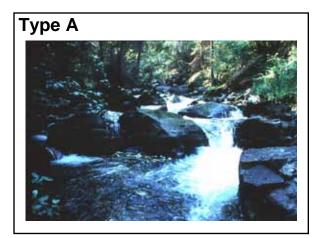


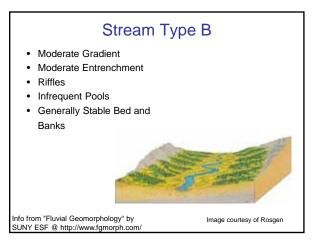




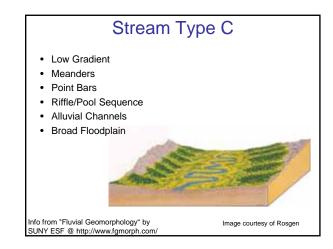


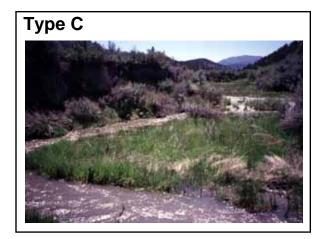


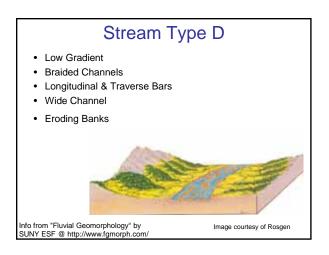


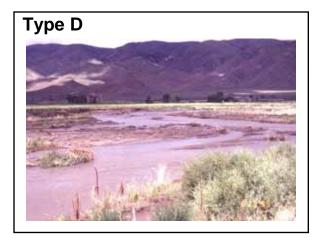


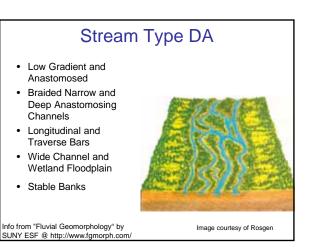


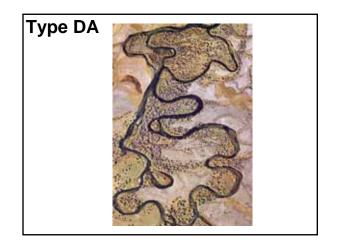


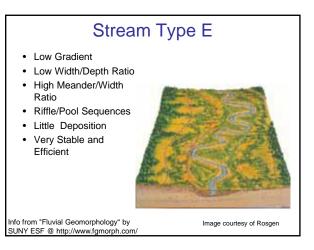


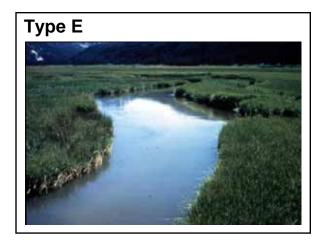


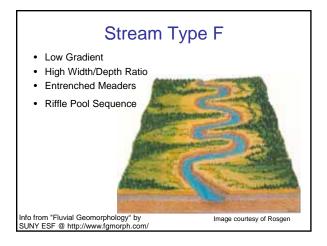




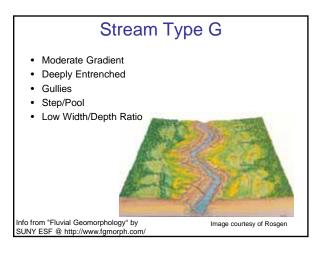


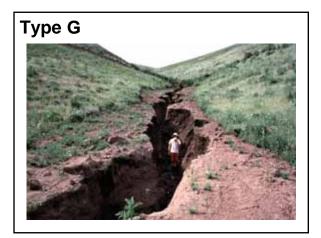












## Rosgen Stream Classification Channel Material (substrate)

- 1 Bedrock
- 2 Boulder (10+ inches)
- 3 Cobble (2.5 to 10 inches)
- 4 Gravel (.08 to 2.5 inches)
- 5 Sand (.062 to 2 millimeters)
- 6 Silt/Clay (< .062 millimeters)

Management Interpretations					
TYPE	SENSITIVITY TO DISTURBANCE	RECOVERY POTENTIAL	SEDIMENT SUPPLY	STREAMBANK EROSION POTENTIAL	VEGETATION CONTROLLING INFLUENCE
A3	very low	excellent	very low	very low	negligible
A5	extreme	very poor	very high	very high	negligible
B3	low	excellent	low	low	moderate
B5	moderate	excellent	moderate	moderate	moderate
C3	moderate	good	moderate	moderate	very high
C5	very high	fair	very high	very high	very high
G3	very high	poor	very high	very high	high
G5	extreme	very poor	very poor	very high	high
Rosgen, 1996					

