Review Exam 2 – Geomorphology – ESCI375

*Topics  
Mass Movements  
1 – Classification  
2 – The safety ratio  
Fluvial Systems  
1 – Sediment transport and controls on sediment supply  
2 – Drainage basins  
3 – Flood frequency analysis  
4 – Stream morphology – the graded stream and how a stream adjusts its profile and geometry (W,D,V) to changes in Q or sediment.  
5 – Mannings equation, Reynolds numbers, and Froude numbers.  
6 – Competency diagrams  
7 – Gaining and losing streams and their relationship with the topography of the water table.  
8 – Hydraulic geometry  
9 – Field description at the Little Killbuck*