Results Outline

1. Chemistry
   1. Total Phosphorus
      1. No sig dif between erosion and deposition
      2. Deposition enriched in P until 3rd order, then becomes depleted
      3. Erosion
         1. Sig dif by order
            1. Increases from 1, peaks at 4 and declines until 6
         2. Not sig dif by unit
            1. Camp Creek highest, but high degree of variability
      4. Deposition
         1. Sig dif by order
            1. General decrease from 1 to 6
   2. Density
      1. Large sig dif between erosion and deposition (roughly 5x)
      2. Vary by similar amounts (0.15 g/cm3)
      3. Erosion
         1. Sig dif by order
            1. Decreases from 1, valleys at 4 and increases until 6
         2. Sig dif by unit
            1. Increases with depth
      4. Deposition
         1. Sig dif by order
            1. Increase from 1 to 5, 6 lower but similar to 5
2. AIMM
   1. Not valid below 3rd order
   2. Results are +/- 35%
   3. Volume
      1. Deposition
         1. Increases from 3 to 4 decreases from there
      2. Erosion
         1. Smallest in 3, 4/5 similar, 6 very large
   4. Sediment Export
      1. Report actual values
      2. Similar to trends in volume, but low density of deposition decreases relative contribution
   5. P export
      1. Report actual values
      2. Similar to sediment export, but now fourth order is even larger
3. Don’t use
   1. Density ranged from 0.3 to 2.0 g/cm3 and varied significantly by type and order
      1. Mean of about 0.35 for deposition sites with a small but steady increase by order