

## Youberg/McGuire Updates July 30<sup>th</sup>, 2021

1. Instrument installation
  - a. Cameras with paired rain gauges
    - i. Oracle Ridge (plot # M3)
    - ii. Red Ridge (plot # C2)
    - iii. Iron Door (plot # M21)
    - iv. Mt. Lemmon fire station
  - b. Just cameras
    - i. Upper control road (plot # C22), near fire station rain gauge
      1. Might move to better location
    - ii. Mt. Lemmon meadow (plot # C23), near alert gauge
    - iii. Green Mountain (plots # M24, P24), near alert gauge
  - c. No instrument installation
    - i. Butterfly Peak and Marshal Gulch
      1. Weather safety and time constraints
    - ii. Lower control road
      1. Rough road conditions at culvert crossing, likely becoming impassable after additional events
2. Data collection
  - a. Rain gauges
    - i. 7/22-7/28 Oracle Ridge, fire station, and Red Ridge gauges recorded ~4 inches of rainfall
    - ii. 7/22-7/28 Iron Door gauge recorded ~5 inches of rainfall
    - iii. Official data will be delivered to group soon
  - b. Hydrology plots
    - i. Rebecca finishing data entry and analysis, and will have results to group
  - c. Debris flows
    - i. Documented debris flows in Finger Rock Canyon and Pima Canyon
    - ii. From initial reconnaissance, no new debris flows in the upper reaches of CDO