

ORGANIC EVAPOTRANSPIRATION COVER: THE SEQUEL

PROJECT UPDATE SEPTEMBER 2018



BACKGROUND

- 2015 NM ED RAID GRANT
- ORGANIC MATERIAL DIVERSION
- EROSION CONTROL
- COLLECTED OVER TWO YEARS OF DATA

THE PROJECT

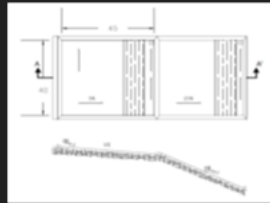
- TWO LYSIMETERS DEVELOPED
- EVAPOTRANSPIRATION COVER
- DEMONSTRATE EFFECTIVENESS
- COLLECTED DATA SINCE MAY 2016

PROJECT GOALS

- | | |
|----------|-----------------------------------|
| MINIMIZE | MINIMIZE EROSION |
| MAXIMIZE | MAXIMIZE VEGETATION |
| COVER | COVER STABILITY |
| COLLECT | COLLECT DATA TO CONFIRM VIABILITY |

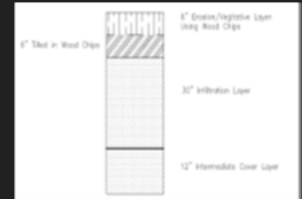
THE LISIMETER PADS

- TWO TEST PADS
 - 5% Top Cover
 - 25% Side Slope
- ET COVER
- ORGANIC SPONGE
- INSTRUMENTATION



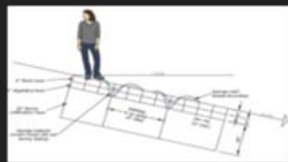
EVAPOTRANSPIRATION COVER

- EROSION/VEG LAYER
- ORGANIC SPONGE
- INFILTRATION LAYER
- INTERMEDIATE COVER
- GEOCOMPOSITE
- FLEXIBLE MEMBRANE LINER

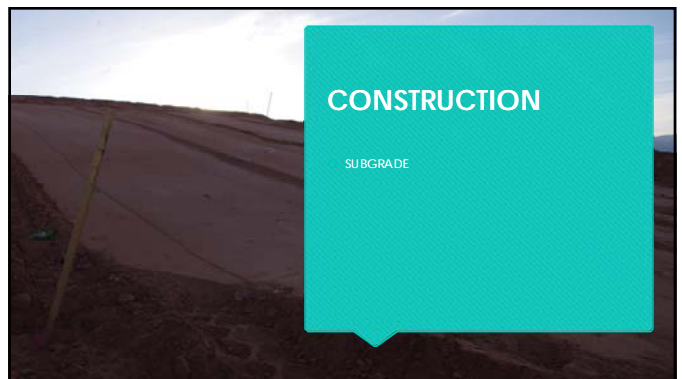
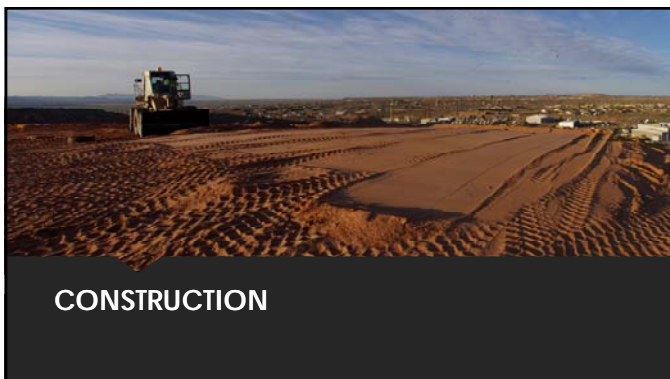
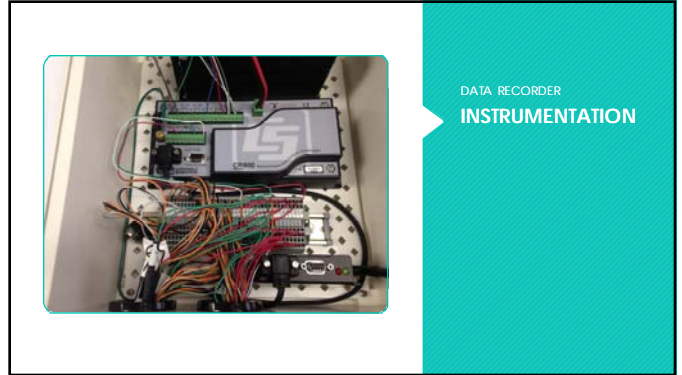


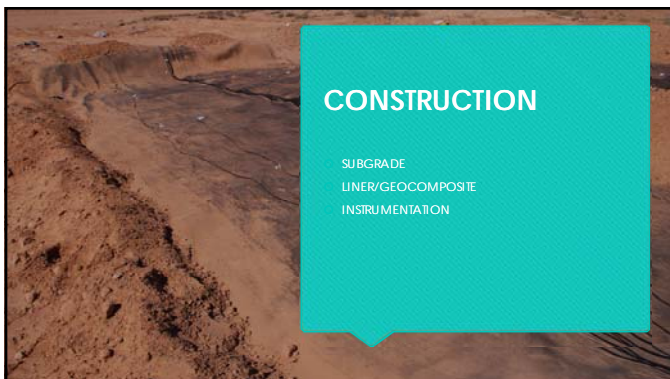
ORGANIC SPONGE

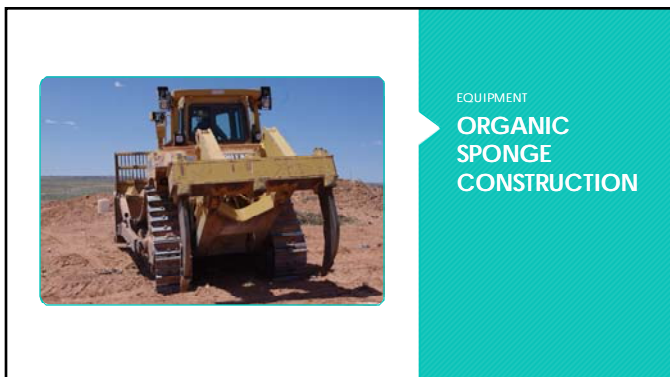
- TRENCHED IN
- ORGANIC BREAK
- DISRUPTS FLOW



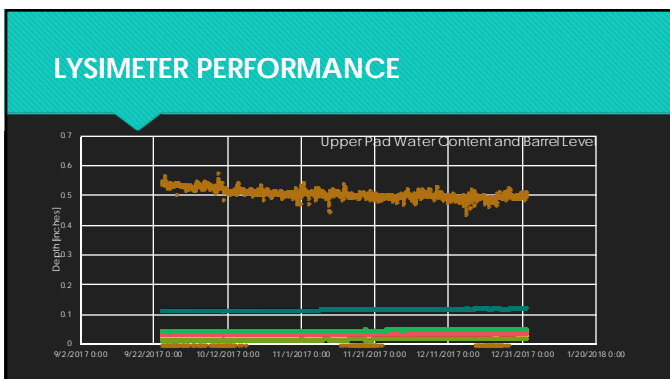
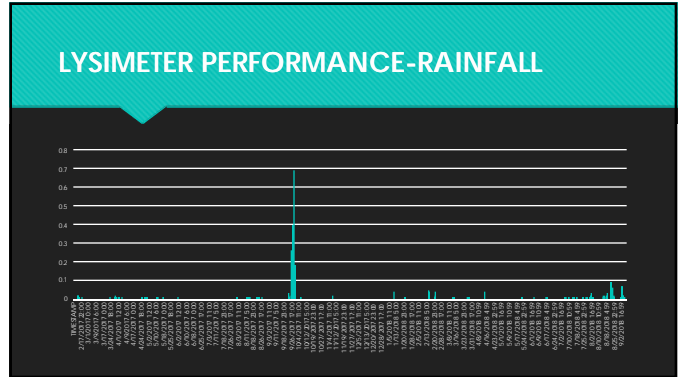
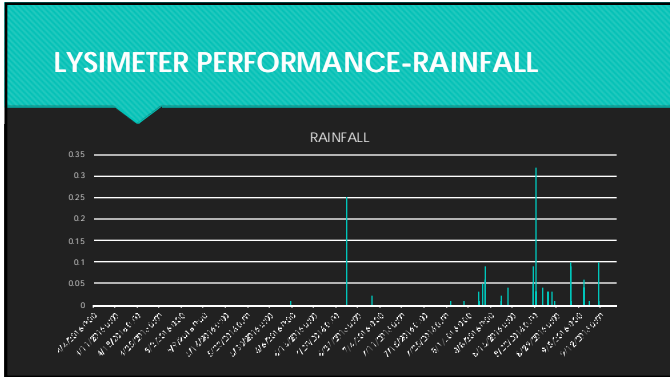
MOISTURE SENSORS
INSTRUMENTATION











LYSIMETER PERFORMANCE-OBSERVATIONS

○ STABLE COVER



ORGANIC EVAPOTRANSPIRATION COVER PROJECT

