

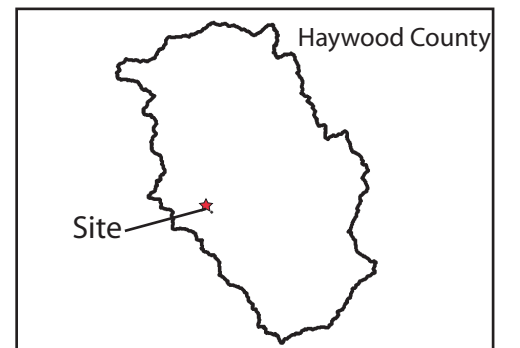
Profile I - Cross Section at Station E21
 January 7, 2009 Bear Trail Debris Flow
 Maggie Valley, Haywood County, NC

Bearing = 265 degrees
 View looking upslope

EXPLANATION

- D1 - Debris from January 7, 2009 Debris Flow
- F1 - Excavation Waste/Fill
- CV3 - Colluvium, medium to dark brown ML/SM with clay and g, organics
- CV7 - Colluvium, yellow brown SM
- R - Bedrock
- - - Dominant Foliation
- Estimated pre-failure ground surface
- Estimated pre-failure base of fill
- Post-failure ground surface
- Cross section station

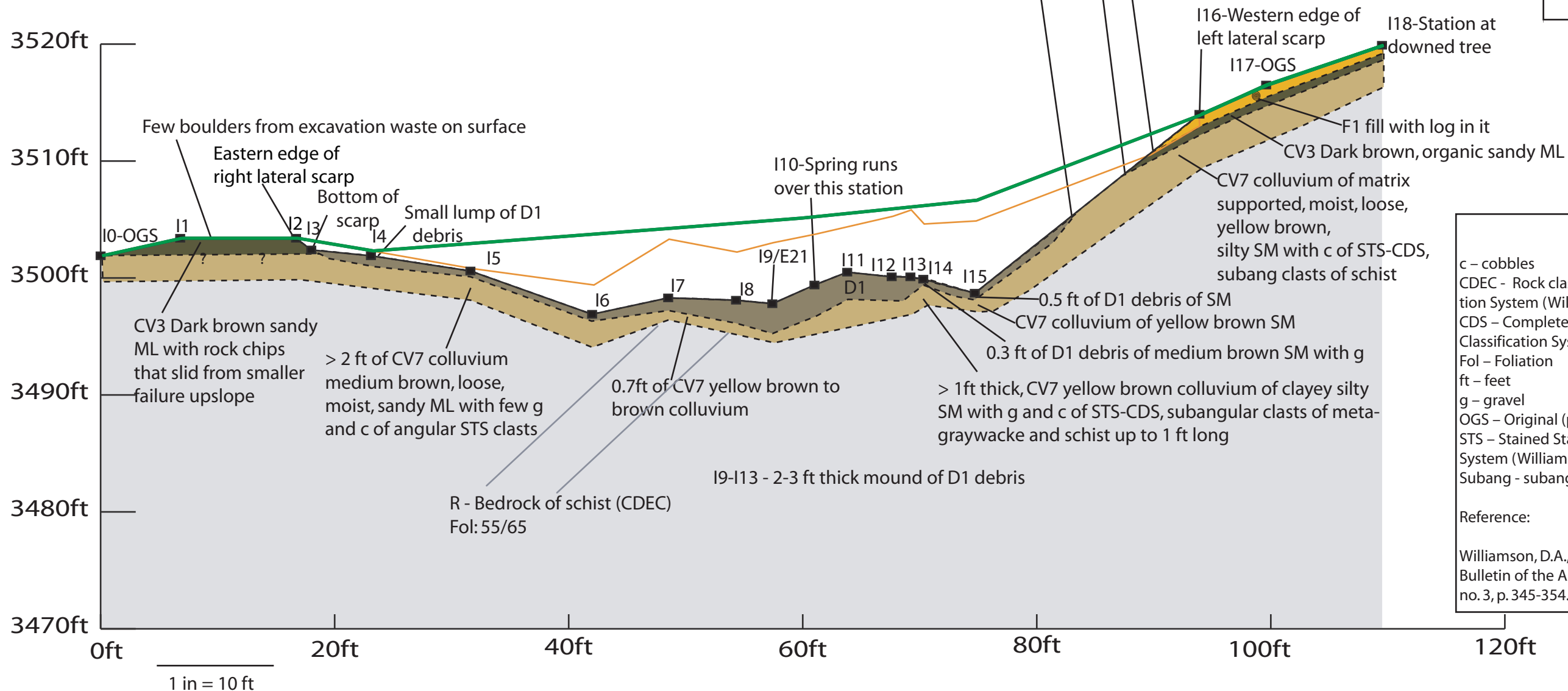
Survey: Cloth tape, Brunton, Clinometer
 Report Date: 12/9/09



Contact between F1 excavation waste/fill and CV3 colluvium of matrix supported, dark brown, organic sandy ML with roots

Contact between CV3 dark brown colluvium and CV7 colluvium of matrix supported, moist, loose, yellow brown, silty SM with c of STS-CDS, subang clasts of schist

Contact between D1 debris medium brown SM with g and CV7 colluvium of matrix supported, moist, loose, yellow brown, silty SM with g and c of STS-CDS, subangular clasts of schist and metagraywacke up to 1 ft long.



ABBREVIATIONS

c - cobbles
 CDEC - Rock classification from the Unified Rock Classification System (Williamson, 1984)
 CDS - Completely Decomposed State from the Unified Rock Classification System (Williamson, 1984)
 Fol - Foliation
 ft - feet
 g - gravel
 OGS - Original (pre-2005) Ground Surface
 STS - Stained State from the Unified Rock Classification System (Williamson, 1984)
 Subang - subangular

Reference:
 Williamson, D.A., 1984, Unified rock classification system: Bulletin of the Association of Engineering Geologists, vol. XXI, no. 3, p. 345-354.