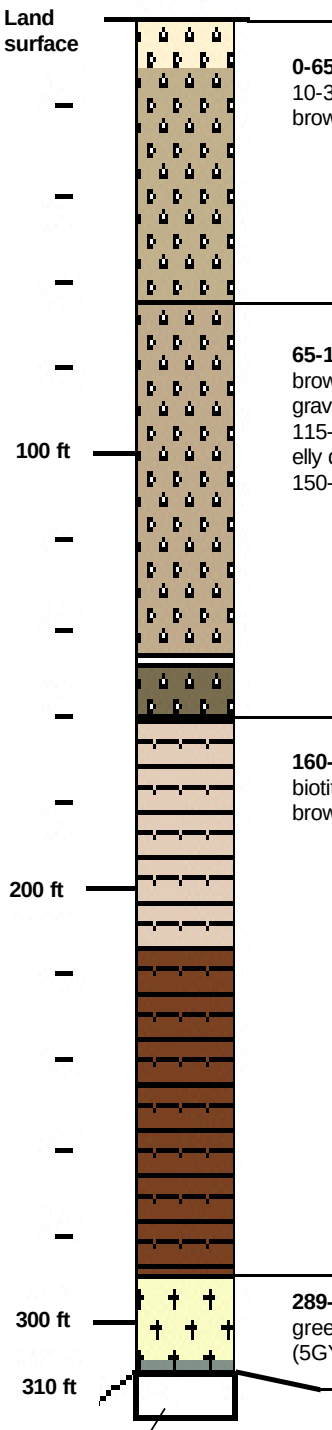

0-65' Valley-fill Spring Deposits - 0-10' sandy silt, very pale orange (10YR 8/2), vfg sand and clay; 10-30' silty sand, pale yellow brown (10YR 6/2), vfg, fine gravel; 30-65' gravelly silty sand, pale yellow brown (10YR 6/2) to mod. brown (5YR 3/4), clayey layers, cemented, frag of volcanics/gravel

65-160' Valley-fill -Alluvium - 70-85' clayey gravel, fg-mg ang. sand, fg-cg subang. gravel, pale yellow brown (10YR 6/2); 85-95' clayey sand, pale yellow brown (10YR6/2), cg sand, low plasticity; 95-115' gravelly sand, pale yellow brown (10YR 6/2), fg gravel, cg sand, tr. clay and cobbles, inc. clay downhole; 115-130' sandy clay, pale yellow brown (10YR 6/2), cg ang. sand, fg ang gravel, plastic, becomes gravelly down-hole; 130-150' sandy gravel, pale yellow brown (10YR 6/2), tr. clay, no recovery 145-150'; 150-160' gravelly clay, dark yellow brown (10YR 5/2), cg sand, fg ang. gravel

160- 289' Tertiary Volcanics - 160-289' welded tuff, densely welded, hard, gray orange-pink (5YR6/2) biotite, sanidine; dry when drilled; changes to light brownish gray (5YR 6/1) past 190', dark reddish brown (10R 3/4) 215-280', calcite 235-245', 280-290 pale brown (5YR 5/2)

289-320' Tertiary Volcanics - 289-310' ashfall tuff, pale greenish yellow (10Y 8/2) to grayish yellow green (5GY 7/2), clayey, very soft, thin layers or frag's of gray-brn (5YR 4/2), 305-310' greenish-gray (5GY 6/1), very silty, soft

Note: A 30 ft. "rat tail" was extended to a TD of 340'; no samples were collected between 310-340'.

NC-EWDP-1S

SUMMARY LITHOLOGIC LOG