

Well Construction Details - Morgan Mill Groundwater Monitoring and Research Station, Union County, North Carolina

| Well name | Latitude | Longitude | Total depth ft bls ¹ | Well yield (approximate) gpm | Land surface elevation (approximate) ft above msl ² | Measuring point elevation ft above msl ² | Completion Date | Groundwater zone | Casing Type | Casing / Riser Depth ft bls ¹ |
|-----------|--------------|---------------|------------------------------------|------------------------------------|-------------------------------------------------------------------------|--------------------------------------------------------------|--------------------|---------------------|----------------|---------------------------------------------------|
| CH-1 | 35.121154028 | -80.443777937 | 154 | 15 | | | 9/9/2008 | | galv-steel | 34 |
| MW-1S | 35.120923103 | -80.443845805 | 35 | 1 | | | 9/10/2008 | Shallow Regolith | PVC | 25 |
| MW-1D | 35.120972294 | -80.443855436 | 252 | 30 | | | 9/23/2008 | Bedrock | PVC | 64 |
| MW-2D | 35.121211157 | -80.443749046 | 252 | 20 | | | 10/7/2008 | Bedrock | galv-steel | 63 |

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| Well name | Screened / Open Interval | | Screen / open hole diameter in | Screened or Open | Screen Slot Size in | Type of well | Comments |
|-----------|--------------------------|-----|-----------------------------------|------------------|------------------------|-----------------------------|-----------------------------------|
| | ft bls ¹ | | | | | | |
| CH-1 | 34 | 154 | 4 | Open Hole | | Bedrock Piezometer | Core hole as a bedrock piezometer |
| MW-1S | 25 | 35 | 4 | Screened | 0.01 slotted PVC | Shallow Regolith Monitoring | |
| MW-1D | 64 | 252 | 6 | Open Hole | | Bedrock Monitoring | |
| MW-2D | 63 | 252 | 6 | Open Hole | | Bedrock Monitoring | |

1 - Feet below land surface; 2 - Feet above Mean Sea Level