



Historic Ram Pump. To efficiently pump water to the cistern on the third floor of Hale House, the pump location must have been three or more feet lower than Wash Pond. Thus, it's location must have been down slope of the former garage floor at or below 64 feet msl.



New drilled well at the Annex reported to be 300 feet deep. The water level in the well is 58.78 ft below the top of the casing at an elevation of 16.82 ft msl, some 50 feet below the surface of Wash Pond. Thus, this well draws its water from a deep, confined, aquifer isolated from the glacial kettle ponds.

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Glacial till exposed in the crawl space of Hale House. Note the mix of cobbles, pebbles, sand and clay. This low permeability material probably underlies Wash Pond and a portion of Little Wash Pond. If it was highly permeable the kettle pond levels would always be the same, which they are not.



Little Wash Pond: Its level drops 8 to 10 feet during dry times as depicted here on 10-22-16. On the same date Wash Pond was full.



Wash Pond on Sept. 6, 2015.