



October 28, 2015 – Nat Wilson

Data Provider Update – North Carolina



Overview of Monitoring Network

- Network is comprised of 636 wells at 212 sites throughout North Carolina
- Coastal plain stations typically have wells tapping each of the major aquifers (up to 10 wells at a site)
- Piedmont and mountain stations are usually one well in the basement or surficial aquifer
- The aquifers represented in the network are as follows (number of wells):
 - surficial (154)
 - bedrock (37)
 - Yorktown (56)
 - Castle Hayne (94)
 - Beaufort (18)
 - Peedee (63)
 - Black Creek (75)
 - Upper Cape Fear (74)
 - Lower Cape Fear (33)
 - Lower Cretaceous (5)
 - other aquifers (27)



NGWMN Sites

- To be determined...
- We will use tip sheet guidelines, local aquifer designation, minimum data element requirements, and periods of record to decide which principal aquifers are represented and how many wells are appropriate as NGWMN sites
- We will also use tip sheets to classify our sites by monitoring categories and to place them into appropriate subnetworks

Data System and Issues

- Our well network data is housed in a MySQL database which interacts with server-side PHP scripts
- We plan on creating web services to allow NGWMN to extract data as needed
- We don't have any data or operational issues which would interrupt the flow of data to NGWMN
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