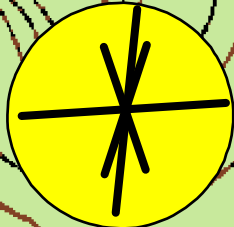


Delaware River Basin: Fracture Interconnections Determined Via Pumping Tests, Deerpark, NY

Legend

- ~ Site Boundary
- North Group Wells
- South Group Wells
- Wells Not Monitored
- Homeowner Wells
- Fracture Orientations
- Example Fracture Trends

Note: North & South group wells pumped in two separate groups, not simultaneously. Each non-pumping group AND Santini, Acton, Werner, Winschuh and Sardina wells were drawn down during both tests showing hydrologic connection via bedrock fractures. Tunney well impacted on earlier test. Herman not monitored but reportedly was dewatered. Assessment of total cumulative safe yield for proposed project requires simultaneous testing of all production wells with 180-day drawdown projection.



HQ Measured Bedrock Fracture Orientations



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