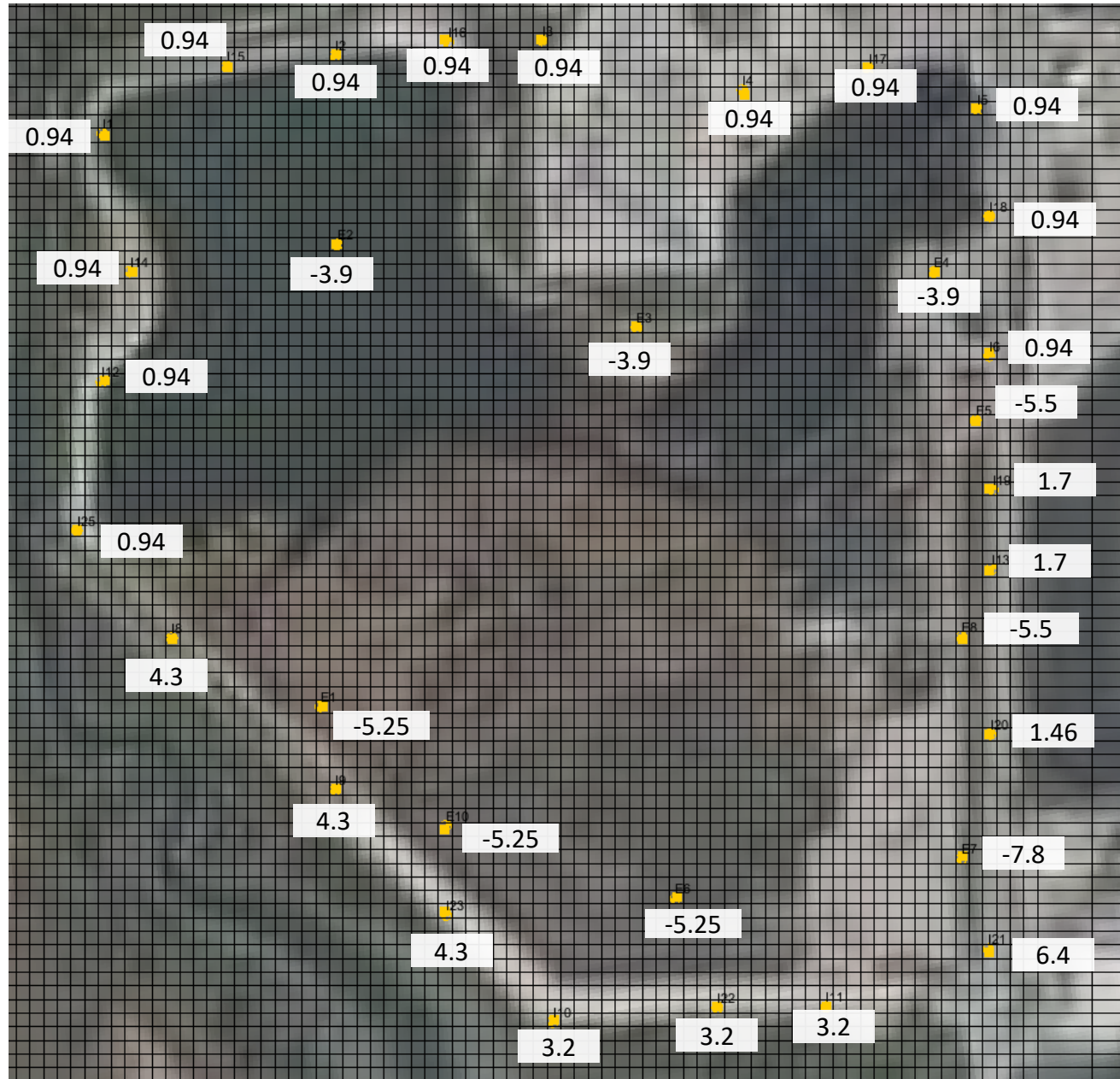


Sioux Design as of 4/14/2021

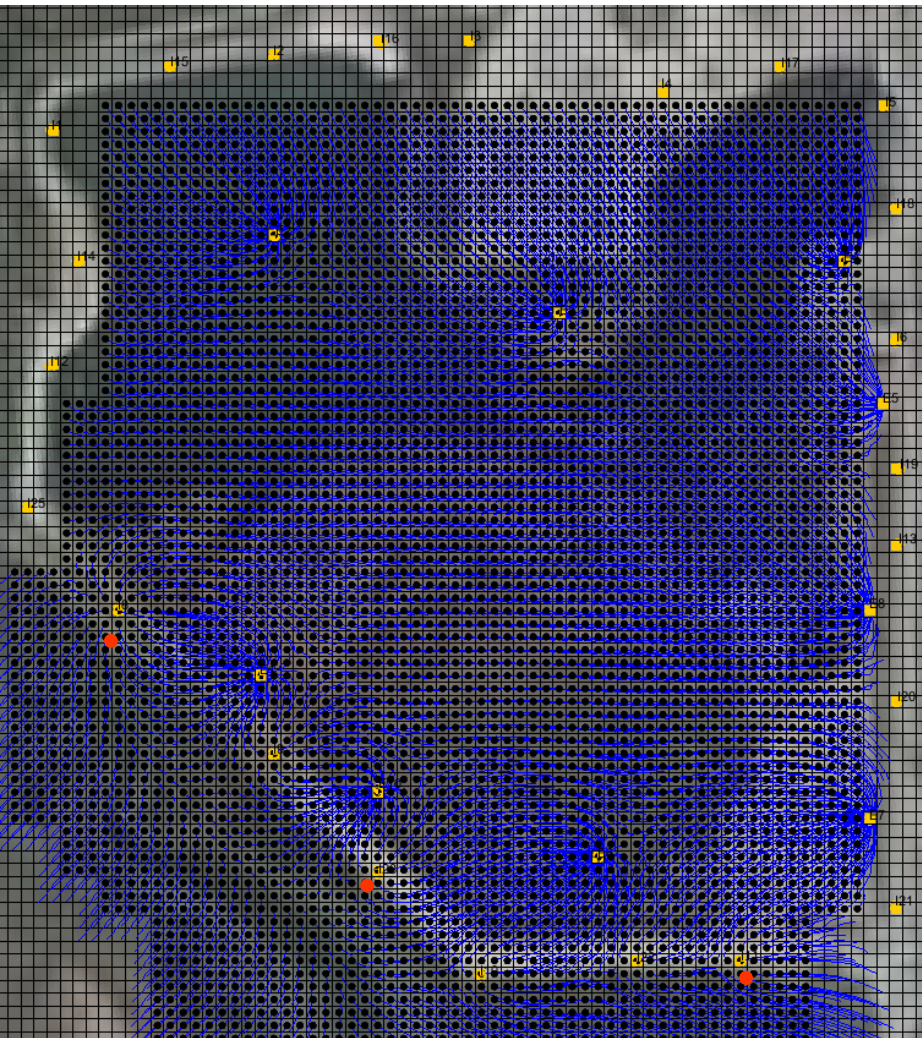
- Need 9 extraction wells and 23 injection wells
- Injection well flows range from 0.94 to 6.4 gpm
- Extraction well flows range from 3.9 to 7.8 gpm
- Model predictions are based on a 32 year transient Mississippi and Missouri River annual average surface elevations.
- Total extraction/injection flow rate is approximately 46 gpm.
- Wells are screened 316 to 412 ft bgs.
- Location of monitoring wells are approximate. Some particle tracks are highlighted for reference

Flow Rate per Well (gallons per minute)

Negative flow represents extraction wells while positive values are injection wells



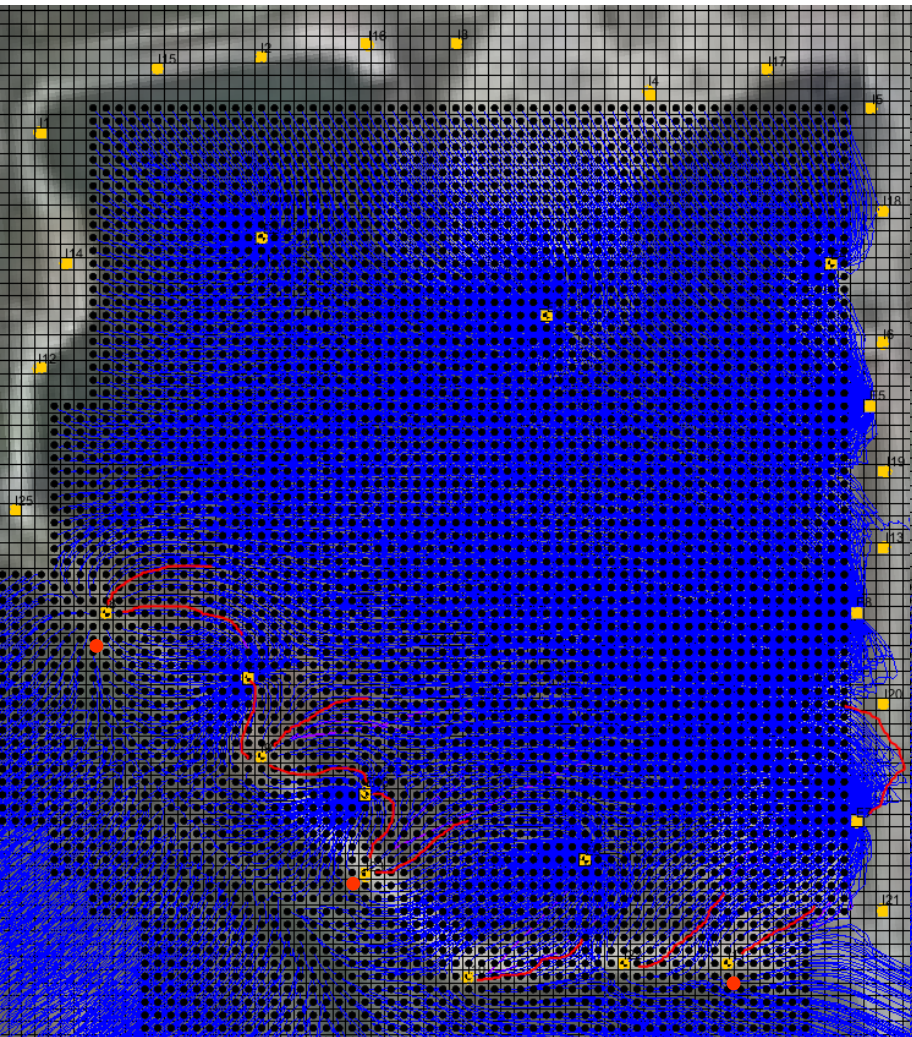
Layer 4 - 3 Years



Injection Wells Layers 3 and 5 – 3 Years



Layer 3 – 32 Years



Layer 5 – 32 Years

