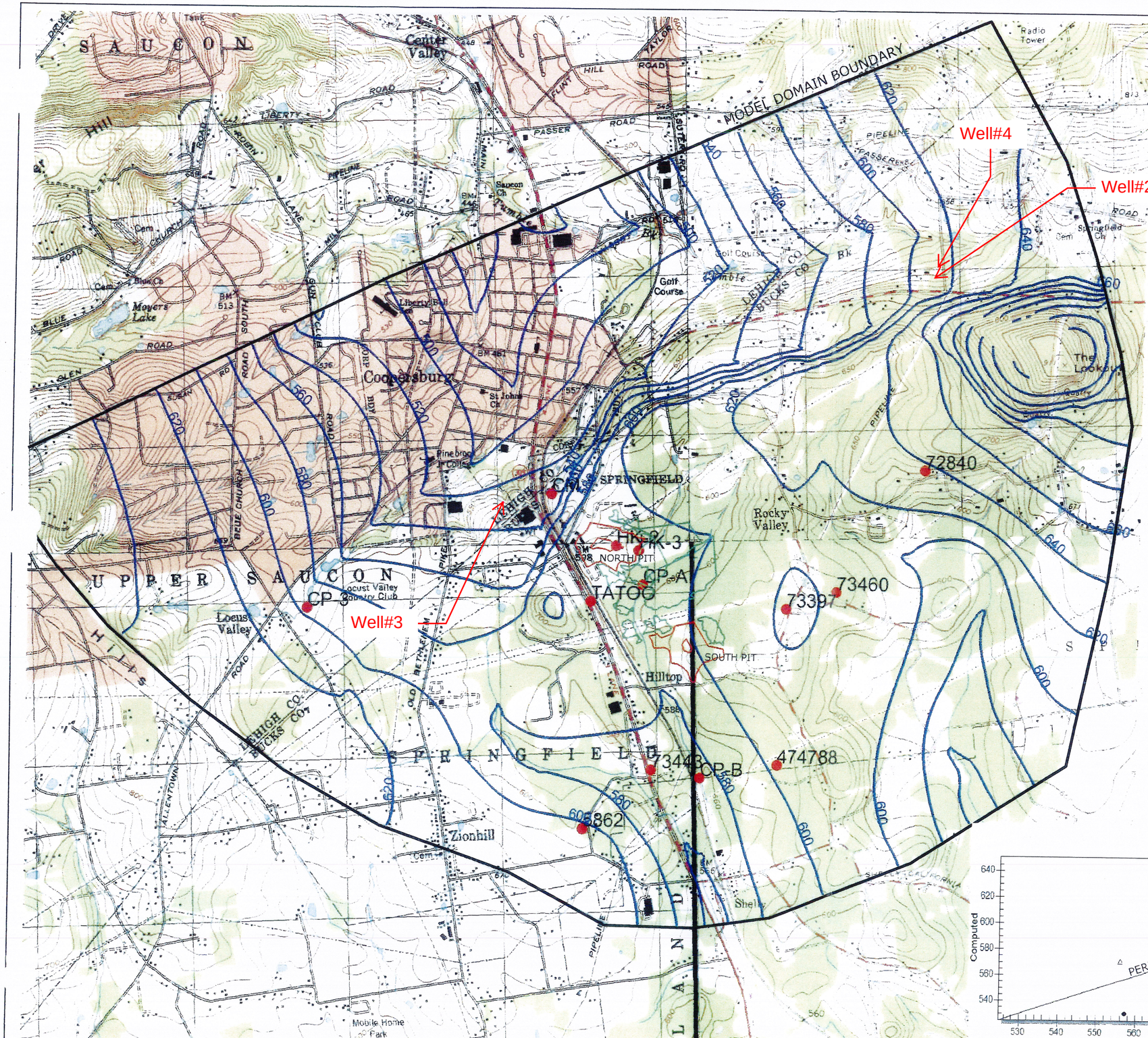


NOTES

1. BASE MAP FROM USGS TOPOGRAPHIC CONTOUR MAP
2. GROUNDWATER ELEVATION CONTOURS REPRESENT THE SIMULATION OF EXISTING SITE CONDITIONS.
3. CALIBRATION RESIDUAL ERROR TABULATION IS PROVIDED ON TABLE 2.
4. AVERAGE RECHARGE VALUE OF 8.5 INCHES PER YEAR FOR BRUNSWICK FORMATION AND 2.0 INCHES PER YEAR FOR THE DIABASE WAS USED IN MODEL SIMULATION.

EXPLANATION

- CALIBRATION LOCATION
- 620 — SIMULATED GROUNDWATER ELEVATION CONTOUR (FT/MSL)
- PROPOSED QUARRY AREA
- WETLAND AREA

N

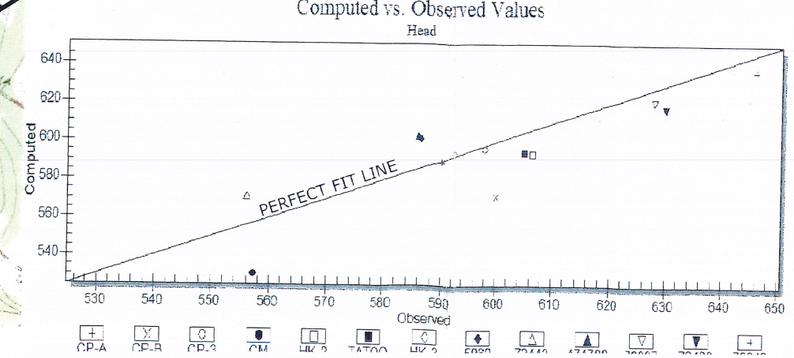
APPROXIMATE SCALE (FEET)

0 1000 2000 4000

CALIBRATION

MEAN ERROR:	5.02 FEET
ABSOLUTE MEAN ERROR:	8.07 FEET
ROOT MEAN SQUARE ERROR (RMS):	11.07 FEET
NORMALIZED RMS:	12.2%

Computed vs. Observed Values



Val F. Britton, P.G.
ENVIRONMENTAL AND HYDROGEOLOGIC CONSULTING
326 Conestoga Road Wayne, PA 19087
610-964-1462
val@vbritton.com www.vbritton.com

MODEL CALIBRATION

PROJECT LOCATION
CENTER VALLEY MATERIALS
SPRINGFIELD TOWNSHIP
BUCKS COUNTY, PENNSYLVANIA

DRAWN BY: VFB
DATE: 3/12/20

FIGURE NUMBER
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