

Appendix D

Data from USGS Water Quality Monitoring Wells (Low et. al. 2008)

Table 1. Minor Ions

Well ID	Monitoring Date	Arsenic (µg/L)	Cadmium, fil, µg/L	Cadmium (µg/L)	Chromium, fil, µg/L	Copper, unf, µg/L	Zinc, fil, µg/L	Aluminum, fil, µg/L
CE 310	10/8/1980	0	<	1.00	0	30	30	70
CE 301	10/8/1980	0	<	1.00	0		40	100
CE 308	10/8/1980	0	<	1.00	0		10	60
CE 307	10/8/1980	0	<	1.00	0		30	100
CE 266	10/9/1980	0	<	1.00	0		10	60

Table 2. Major Ions

Well ID	Monitoring Date	Carbon Dioxide unfiltered (unf), in milligrams per liter (mg/L)	ROE filtered (fil), mg/L dried at 105 degrees Celsius	Calcium fil, mg/L	Magnesium fil, mg/L	Sodium fil, mg/L	Potassium fil, mg/L	Chloride fil, mg/L	Sulfate fil, mg/L	Fluoride fil, mg/L	Iron fil, µg/L	Manganese fil, µg/L	Residue fil, mg/L, sum of constituents
CE 310	10/8/1980	1	86	17	7	13	2	15	10	0	2600	970	117
CE 301	10/8/1980	0	100	4	6	9	1	1	35	0	830	430	70
CE 308	10/8/1980	2	126	34	11	11	2	1	15	0	30	70	159
CE 307	10/8/1980	0	50	13	5	4	1	5	15	0	90	10	77
CE 266	10/9/1980	24	270	54	38	9	3	3	0	0	60	10	

Table 3. Nutrients

Well ID	Monitoring Date	Ammonia fil, mg/L as N	Nitrite fil, mg/L as N	Nitrite fil, mg/L as N	Nitrate fil, mg/L as N	Ammonia fil, mg/L as NH4	Nitrate fil, mg/L as Nitrate (NO3)	Nitrite fil, mg/L as Nitrite (NO2)
CE 310	10/8/1980	0.012	<	0.010	0.020	0.020	0.100	
CE 301	10/8/1980	0.010	<	0.010	0.080	0.010	0.400	
CE 308	10/8/1980	0.080	<	0.010	0.020	0.100	0.100	
CE 307	10/8/1980	0.010	<	0.010	1.300	0.010	5.800	
CE 266	10/9/1980	0.010		0.010	0.020	0.010	0.100	0.030

Note: Well Ids correspond to Ids shown in Figure 3-31.

Reference:

Low, D.J., Chichester, D.C. and Zarr, L. F. 2008. Selected Ground Water Quality Data in Pennsylvania – 1979 – 2006. U.S. Geological Survey in Cooperation with the Pennsylvania Department of Environmental Protection.