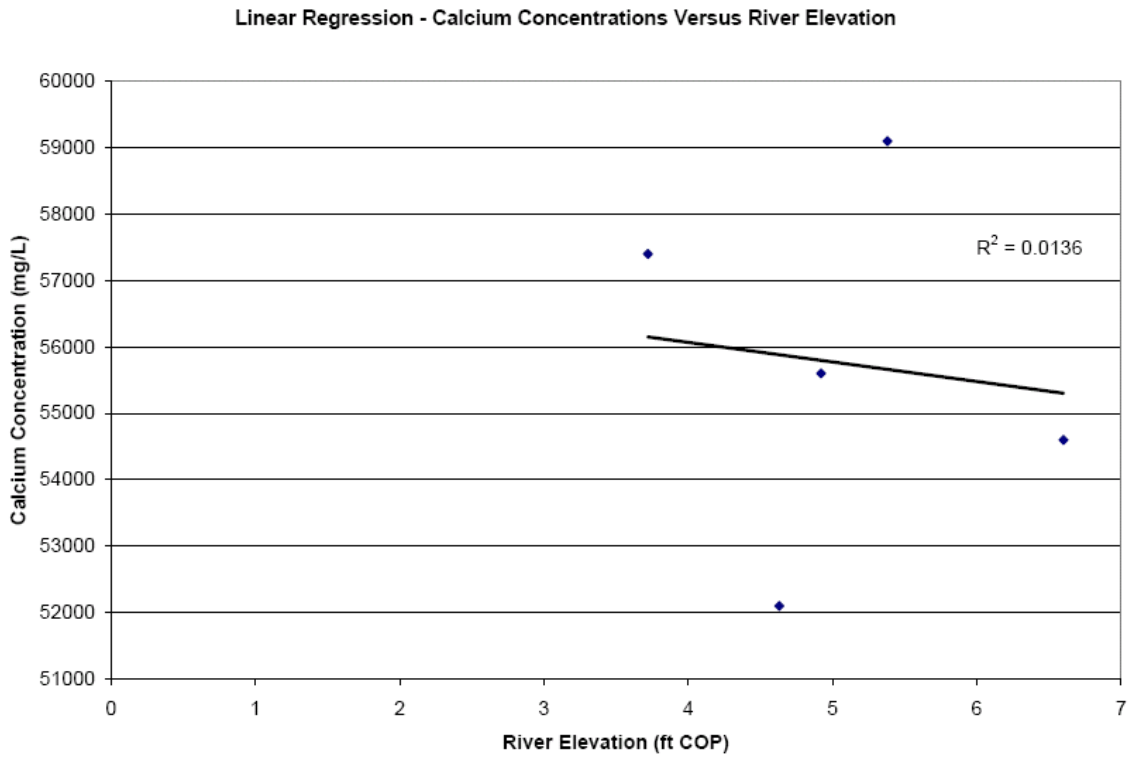
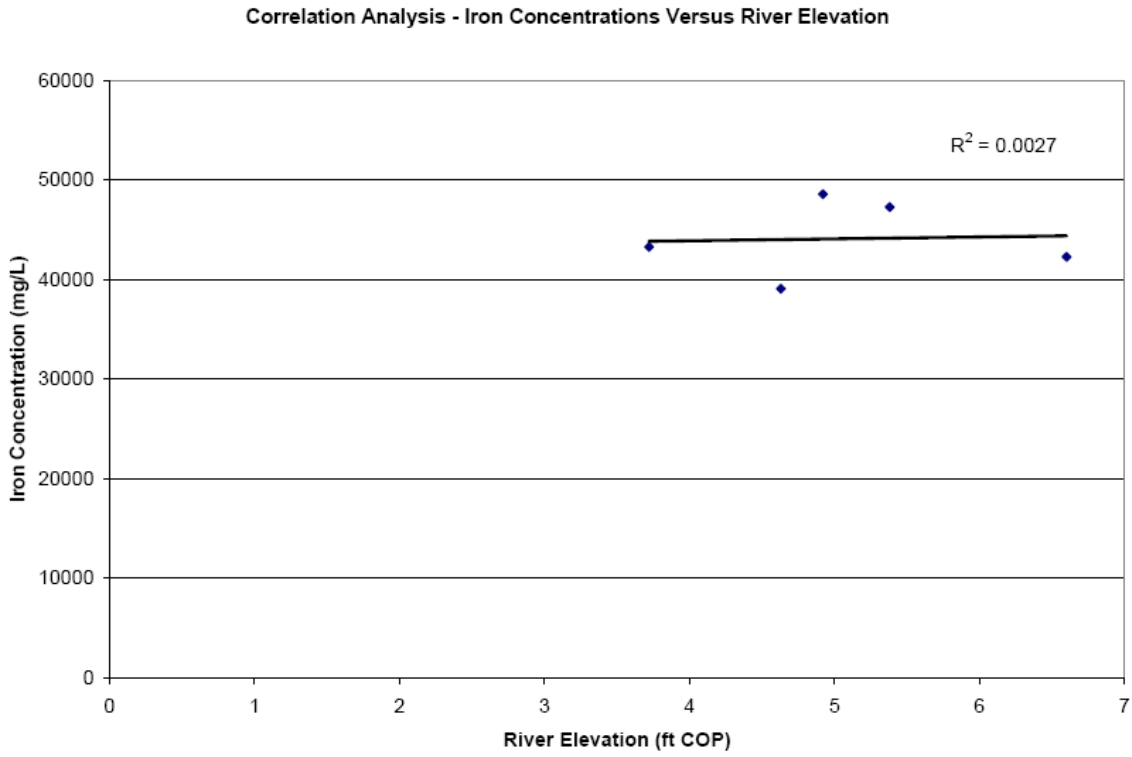
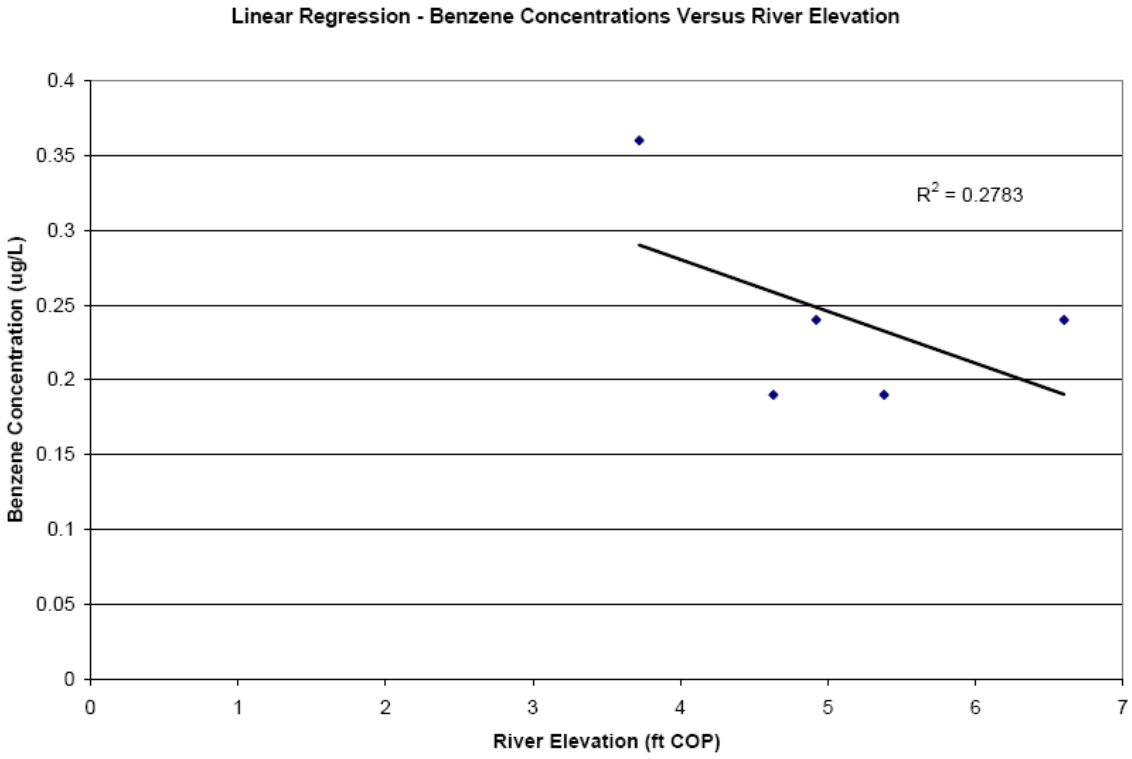
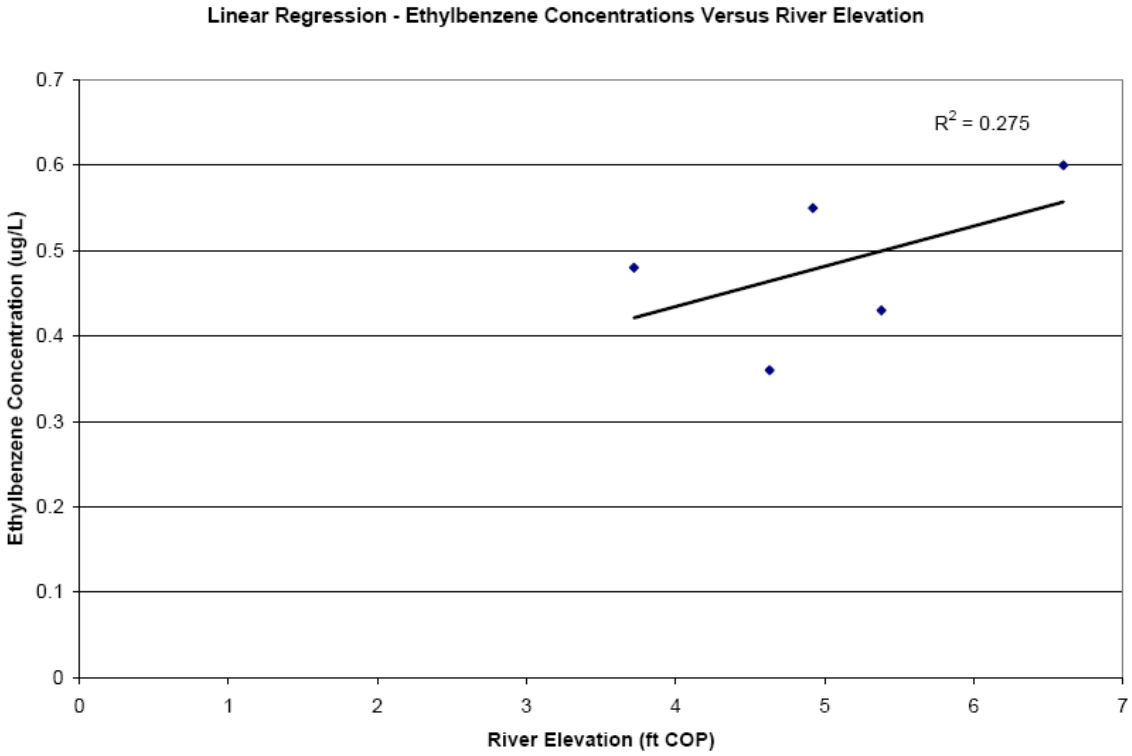
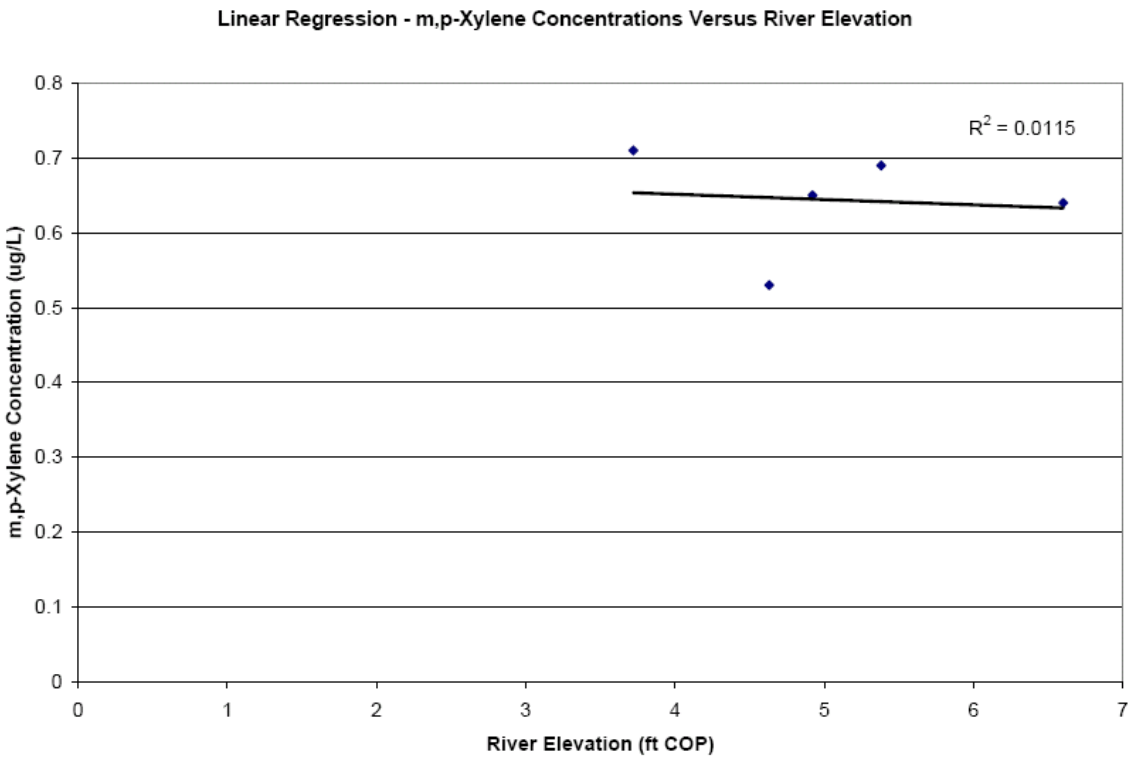
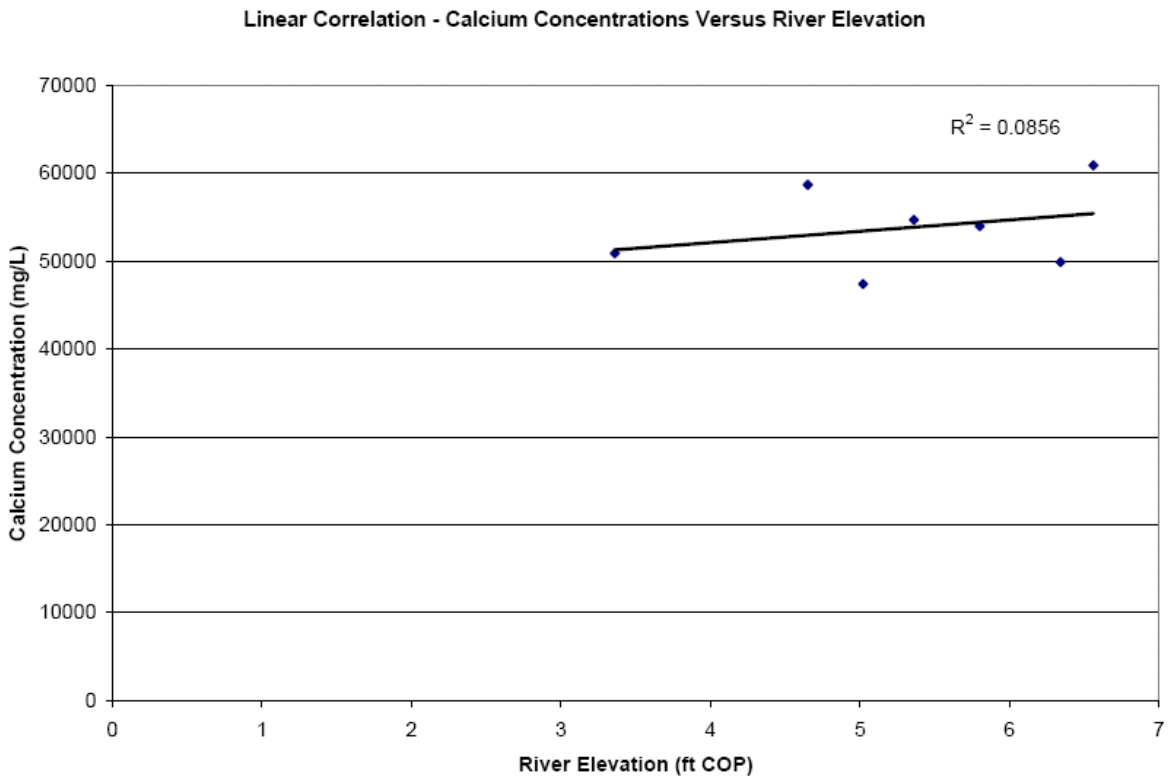

Linear Regression - Calcium Concentrations Versus River Elevation
Calcium Concentration (mg/L)
60000
59000
58000
57000
56000
55000
54000
53000
52000
51000
0
1
2
3
4
5
6
7
River Elevation (ft COP)
R^2 = 0.0136

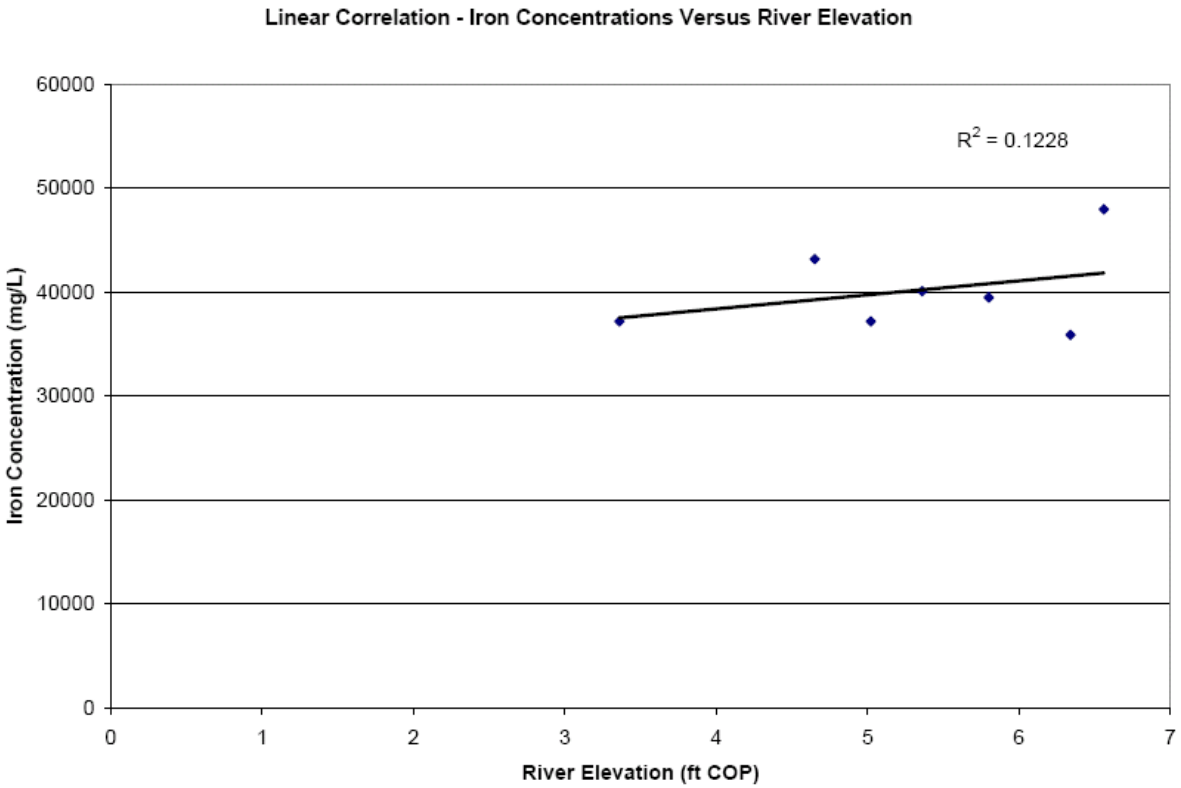

Correlation Analysis - Iron Concentrations Versus River Elevation
Iron Concentration (mg/L)
60000
50000
40000
30000
20000
10000
0
0
1
2
3
4
5
6
7
River Elevation (ft COP)
R^2 = 0.0027

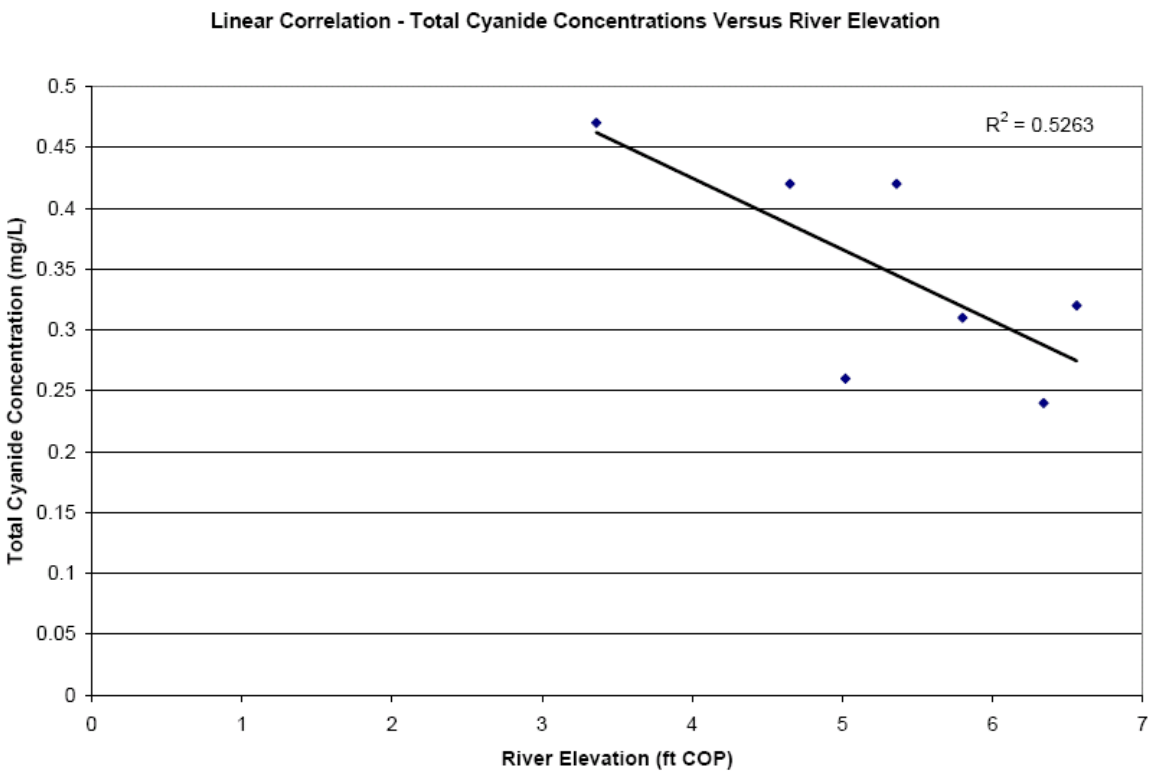

Linear Regression - Benzene Concentrations Versus River Elevation
Benzene Concentration (ug/L)
River Elevation (ft COP)
R^2 = 0.2783
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0
1
2
3
4
5
6
7

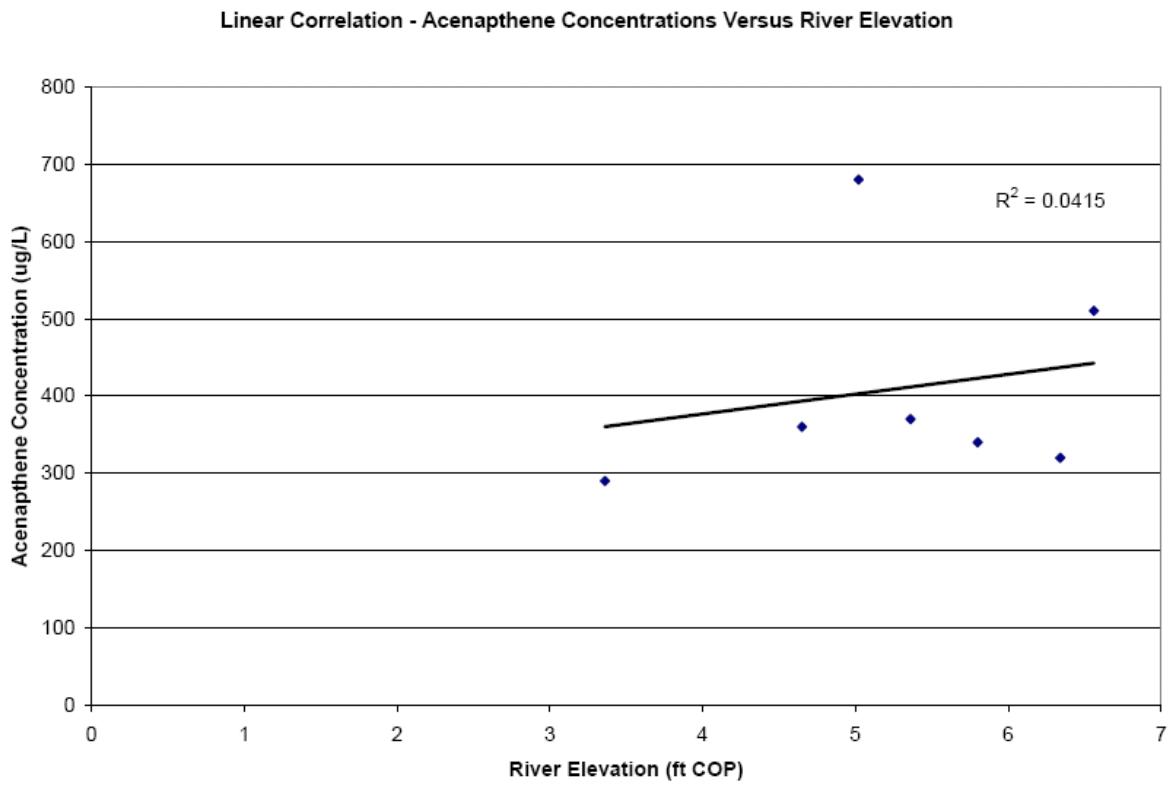

Linear Regression - Ethylbenzene Concentrations Versus River Elevation
Ethylbenzene Concentration (ug/L)
River Elevation (ft COP)
R^2 = 0.275
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
1
2
3
4
5
6
7

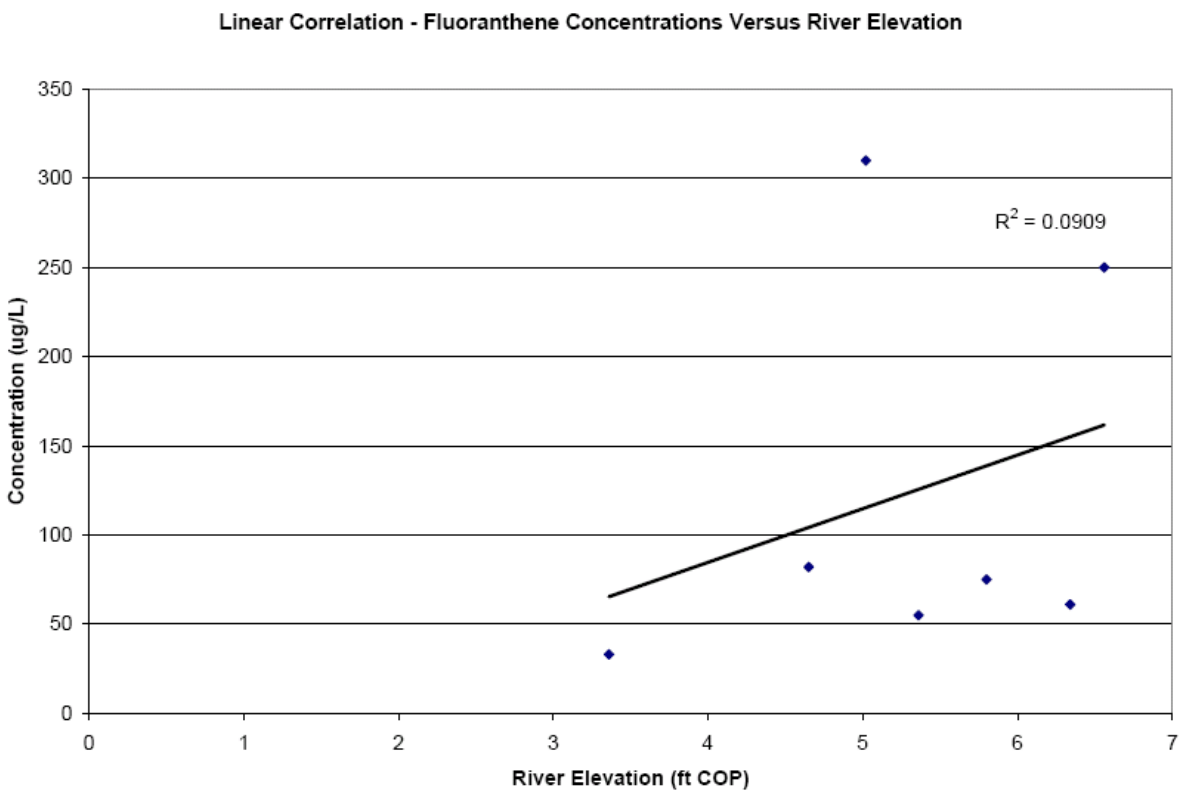

Linear Regression - m,p-Xylene Concentrations Versus River Elevation
R^2 = 0.0115
m,p-Xylene Concentration (ug/L)
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
1
2
3
4
5
6
7
River Elevation (ft COP)

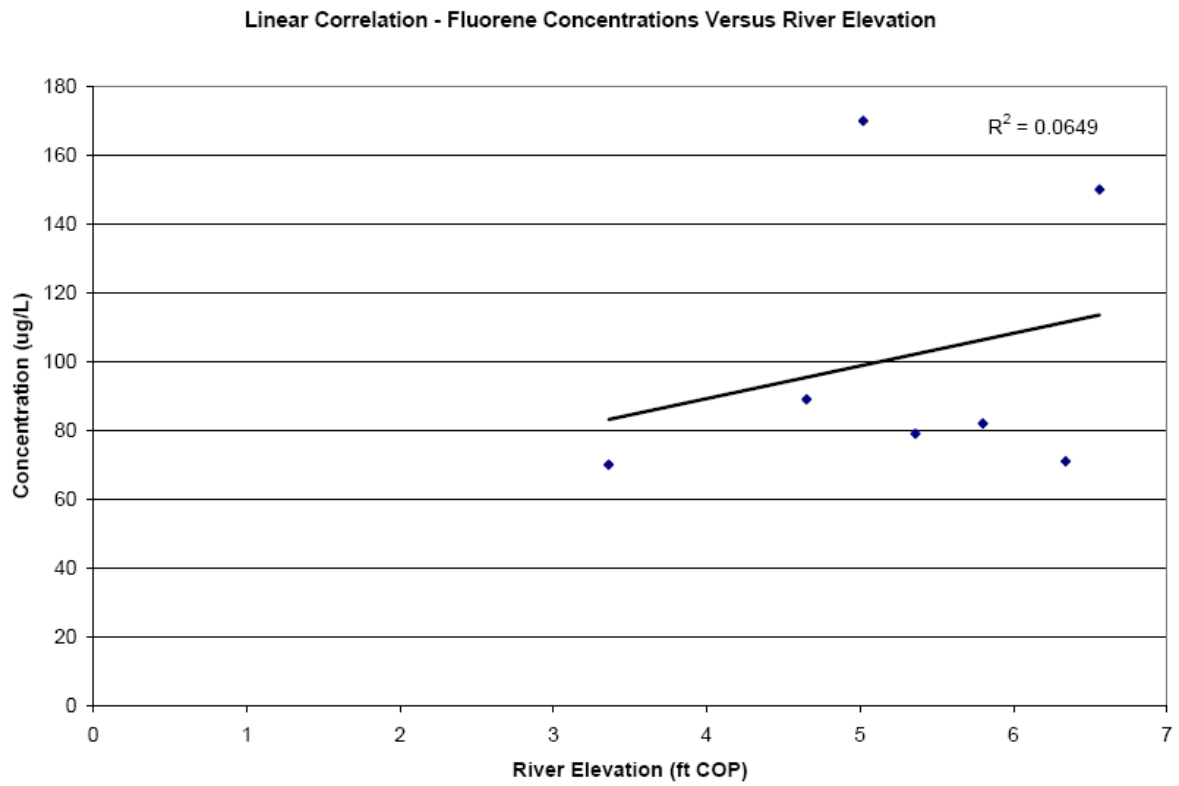

Linear Correlation - Calcium Concentrations Versus River Elevation
R^2 = 0.0856
Calcium Concentration (mg/L)
70000
60000
50000
40000
30000
20000
10000
0
0
1
2
3
4
5
6
7
River Elevation (ft COP)

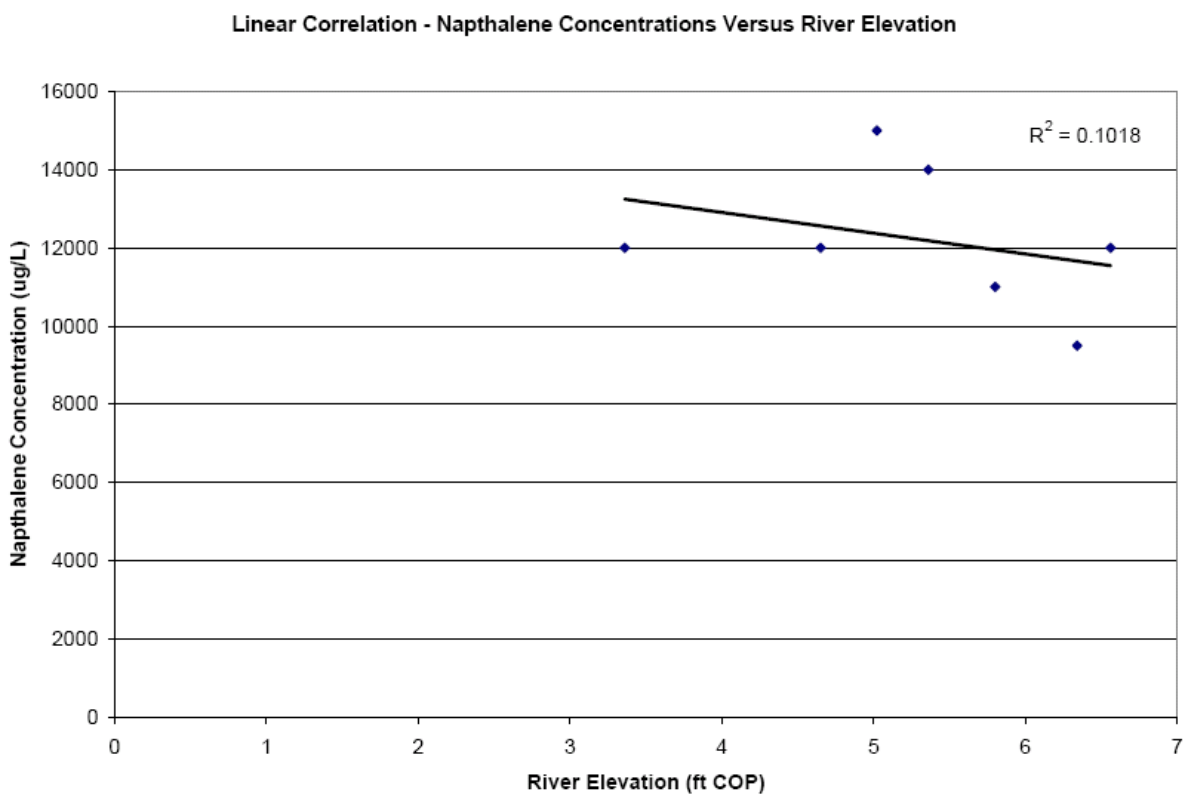

Linear Correlation - Iron Concentrations Versus River Elevation
R^2 = 0.1228
Iron Concentration (mg/L)
60000
50000
40000
30000
20000
10000
0
0
1
2
3
4
5
6
7
River Elevation (ft COP)

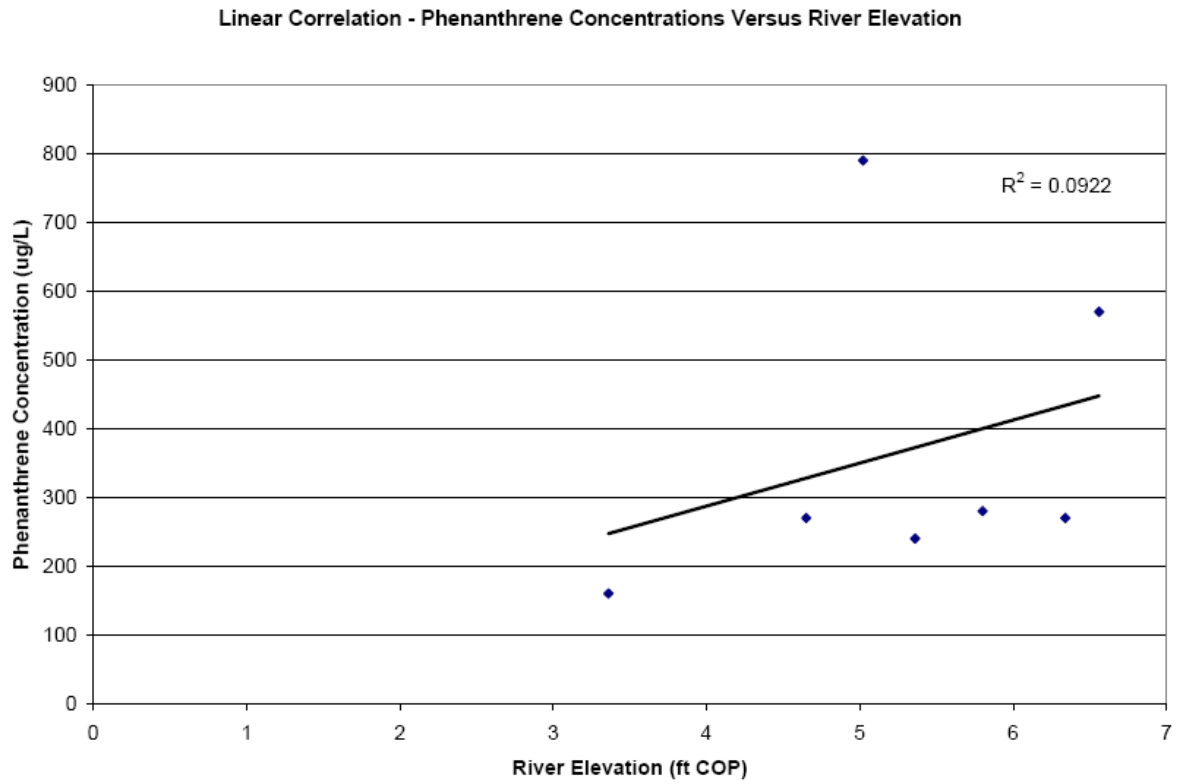

Linear Correlation - Total Cyanide Concentrations Versus River Elevation
R^2 = 0.5263
Total Cyanide Concentration (mg/L)
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0
1
2
3
4
5
6
7
River Elevation (ft COP)

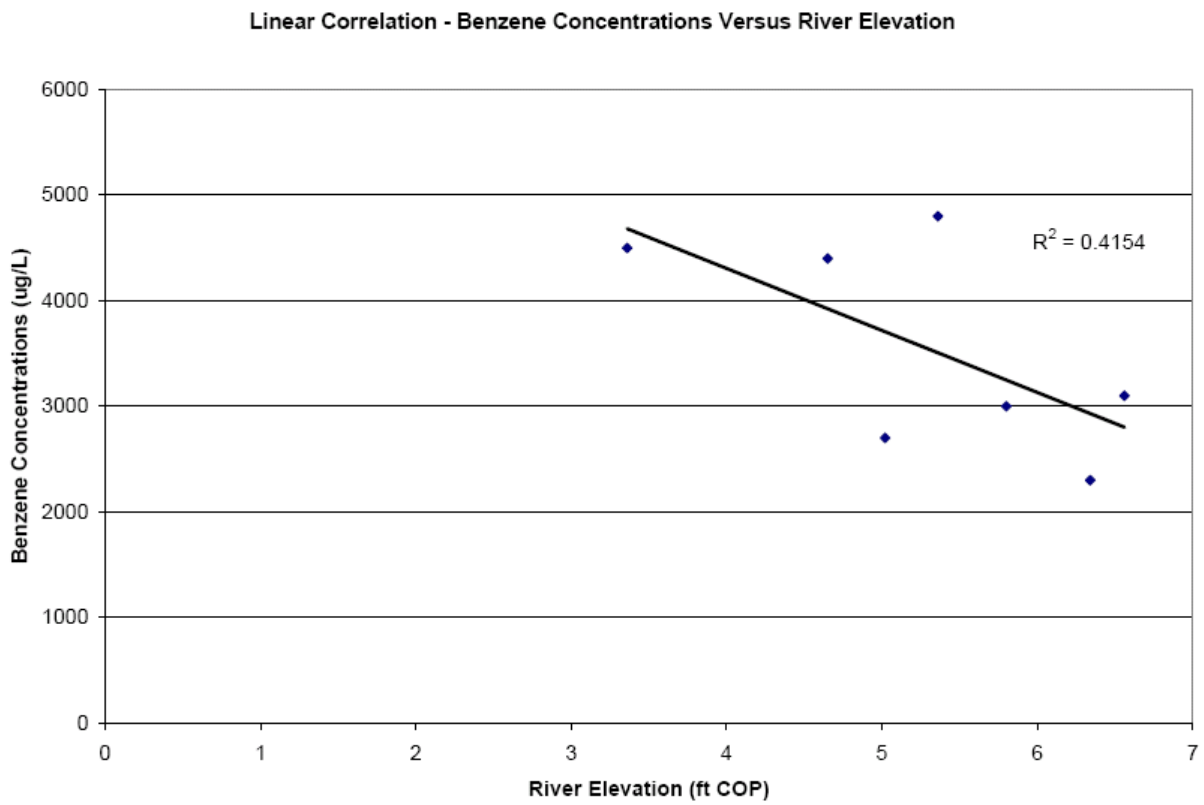

Linear Correlation - Acenapthene Concentrations Versus River Elevation
Acenapthene Concentration (ug/L)
River Elevation (ft COP)
R^2 = 0.0415
0
100
200
300
400
500
600
700
800
0
1
2
3
4
5
6
7

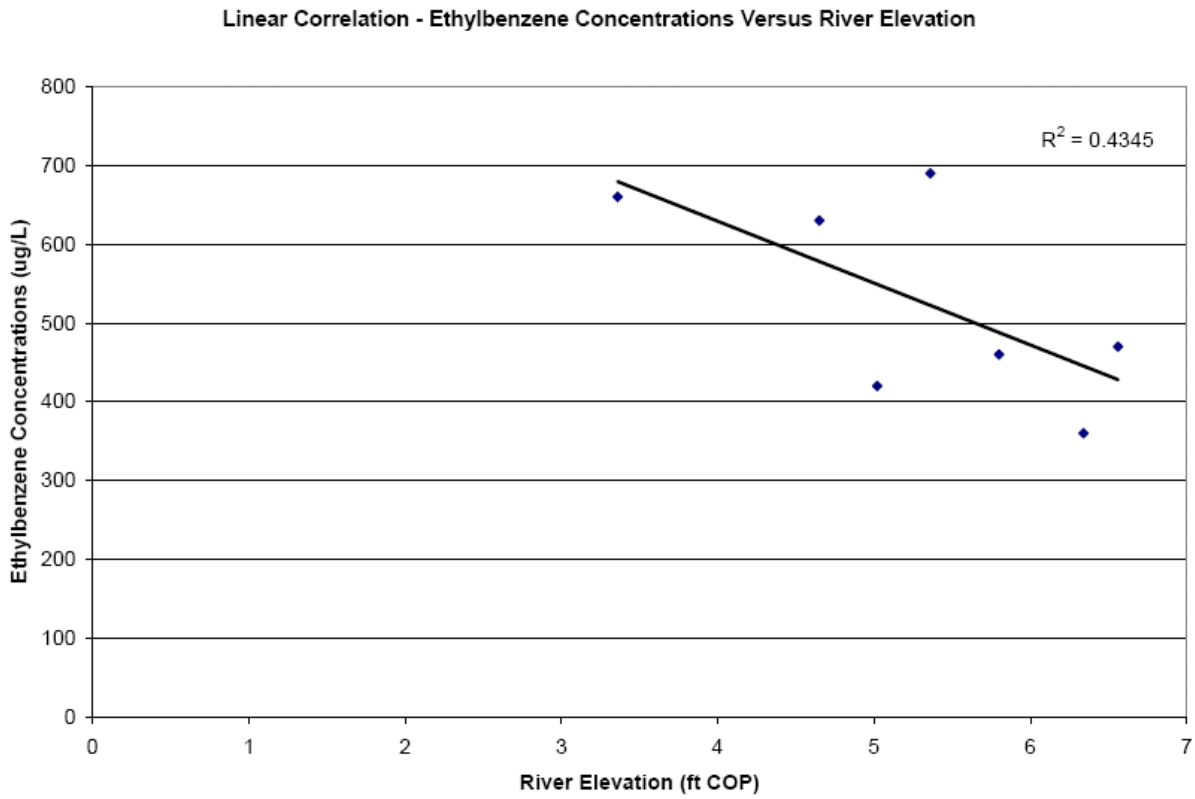

Linear Correlation - Fluoranthene Concentrations Versus River Elevation
Concentration (ug/L)
River Elevation (ft COP)
R^2 = 0.0909
0
50
100
150
200
250
300
350
0
1
2
3
4
5
6
7

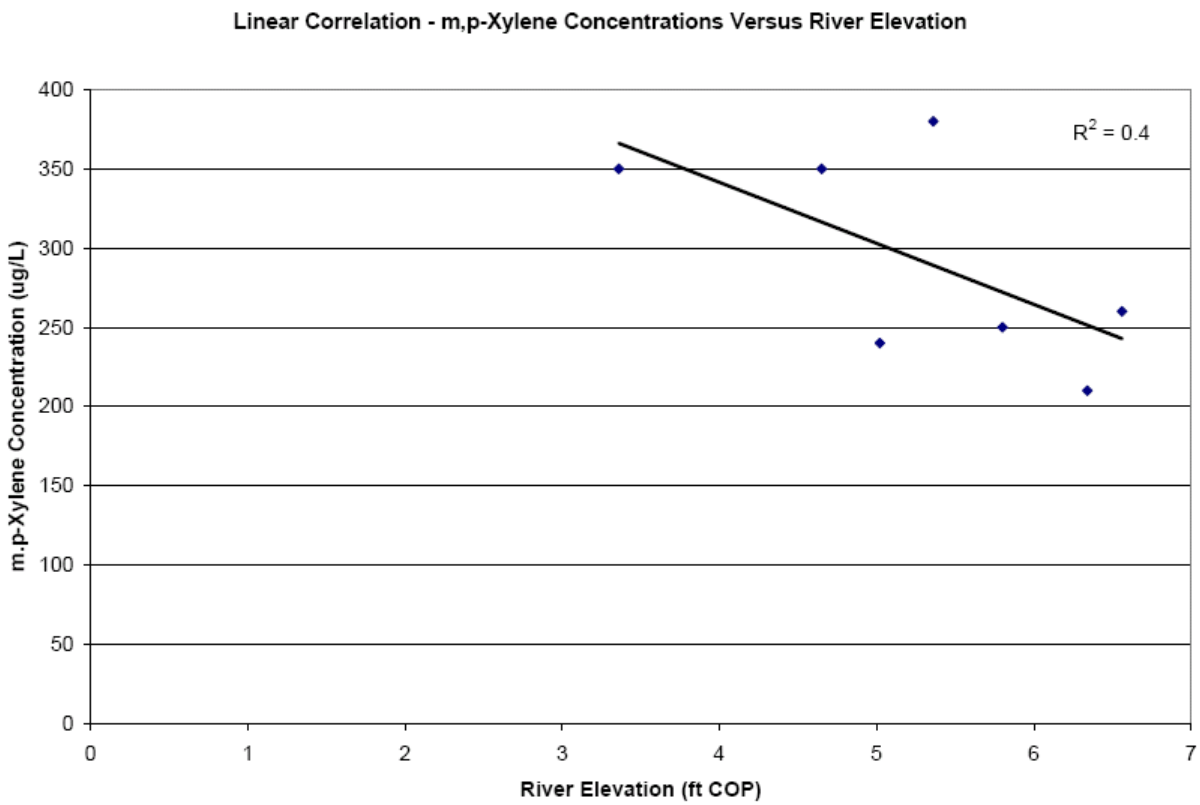

Linear Correlation - Fluorene Concentrations Versus River Elevation
R^2 = 0.0649
Concentration (ug/L)
River Elevation (ft COP)
0
20
40
60
80
100
120
140
160
180
0
1
2
3
4
5
6
7

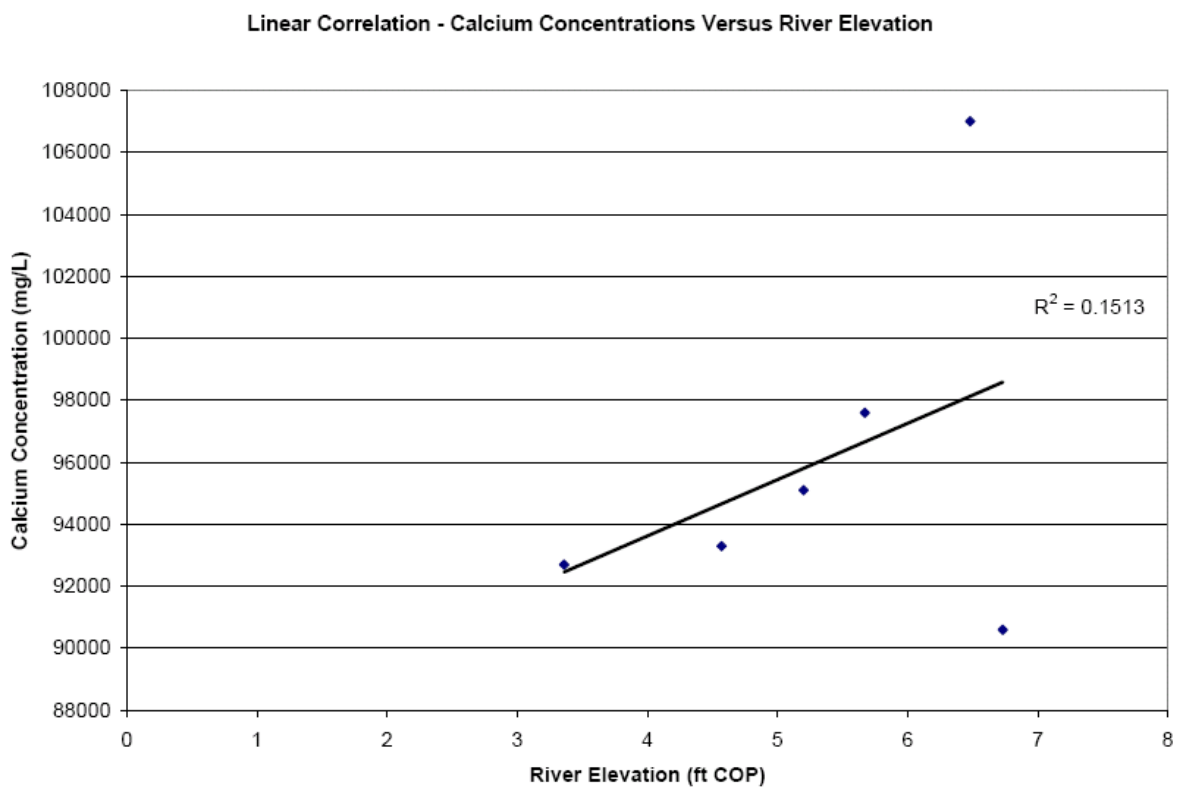

Linear Correlation - Napthalene Concentrations Versus River Elevation
R^2 = 0.1018
Napthalene Concentration (ug/L)
River Elevation (ft COP)
0
2000
4000
6000
8000
10000
12000
14000
16000
0
1
2
3
4
5
6
7

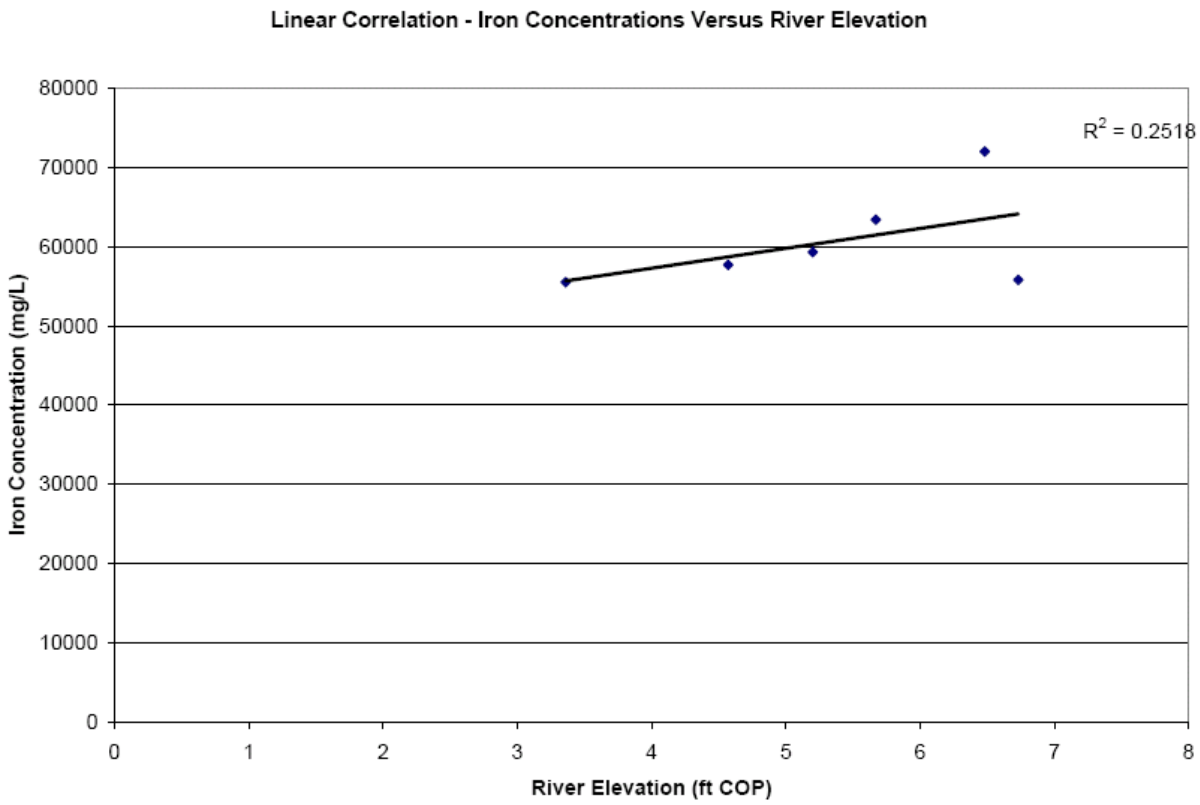

Linear Correlation - Phenanthrene Concentrations Versus River Elevation
Phenanthrene Concentration (ug/L)
River Elevation (ft COP)
R^2 = 0.0922
0
100
200
300
400
500
600
700
800
900
0
1
2
3
4
5
6
7

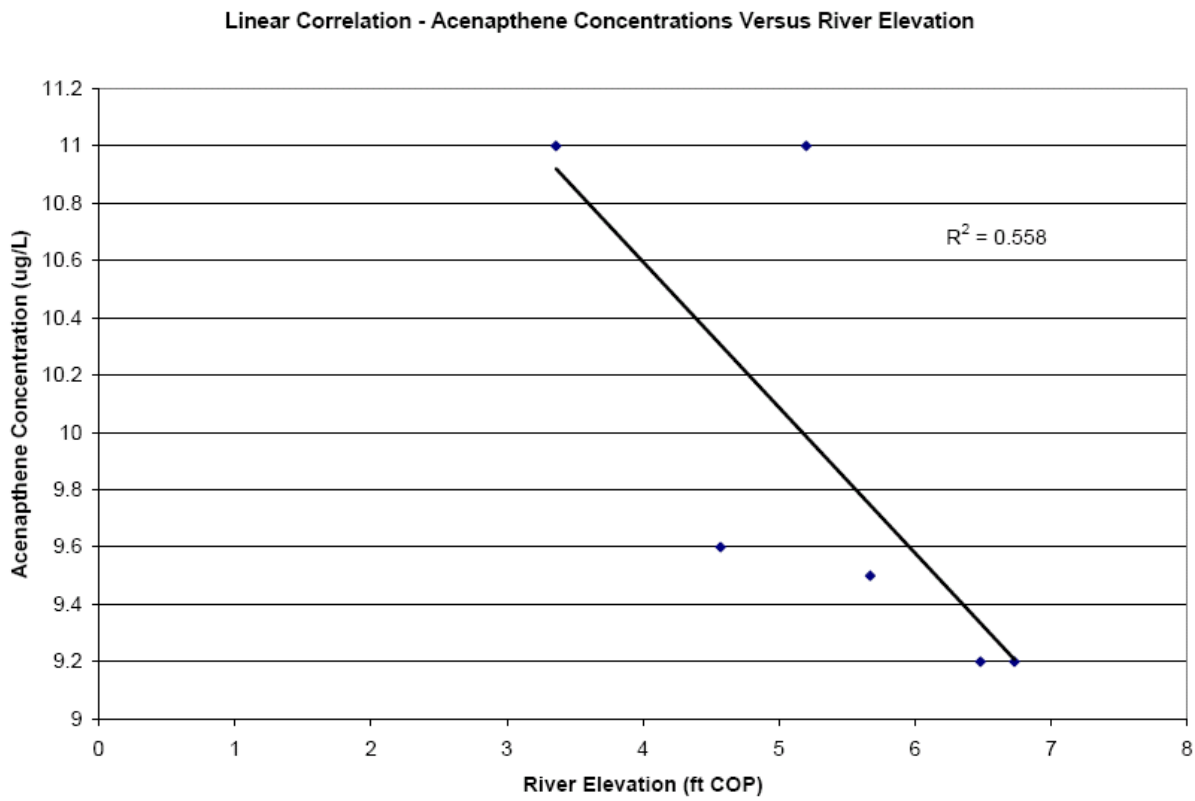

Linear Correlation - Benzene Concentrations Versus River Elevation
Benzene Concentrations (ug/L)
River Elevation (ft COP)
R^2 = 0.4154
0
1000
2000
3000
4000
5000
6000
0
1
2
3
4
5
6
7

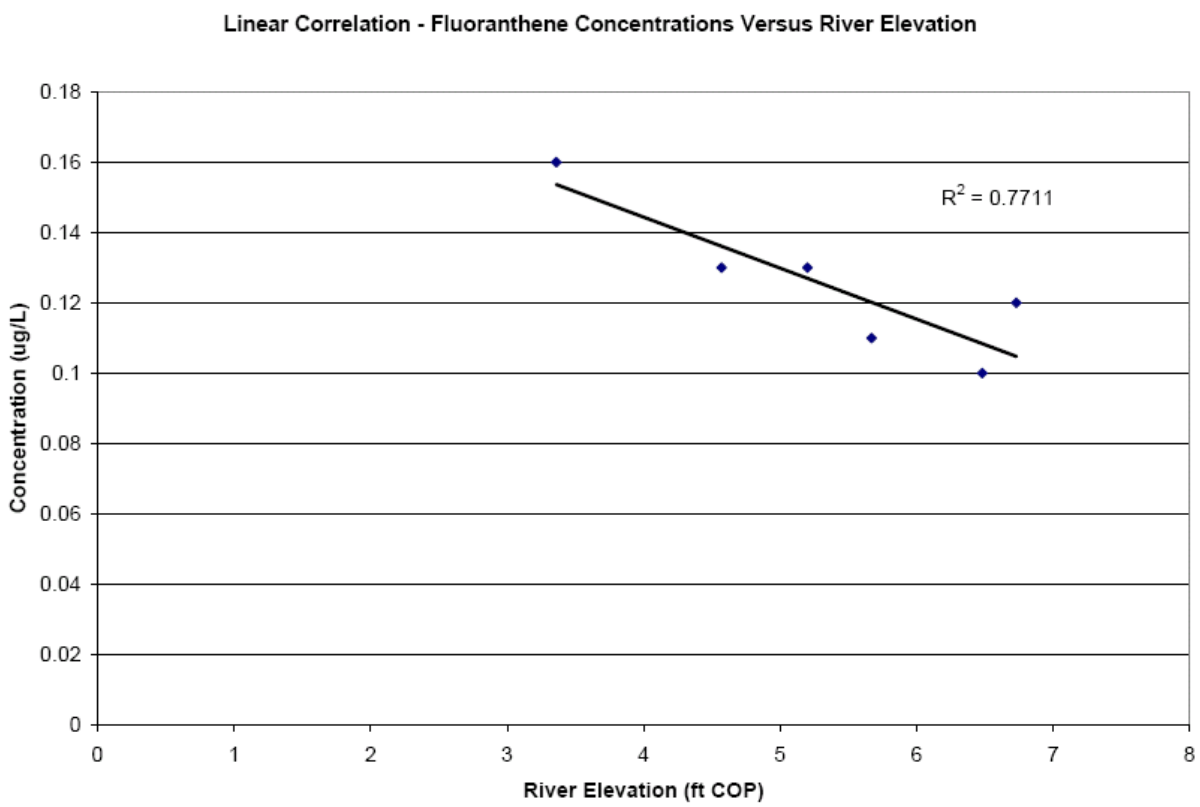

Linear Correlation - Ethylbenzene Concentrations Versus River Elevation
R^2 = 0.4345
Ethylbenzene Concentrations (ug/L)
River Elevation (ft COP)
0
100
200
300
400
500
600
700
800
0
1
2
3
4
5
6
7

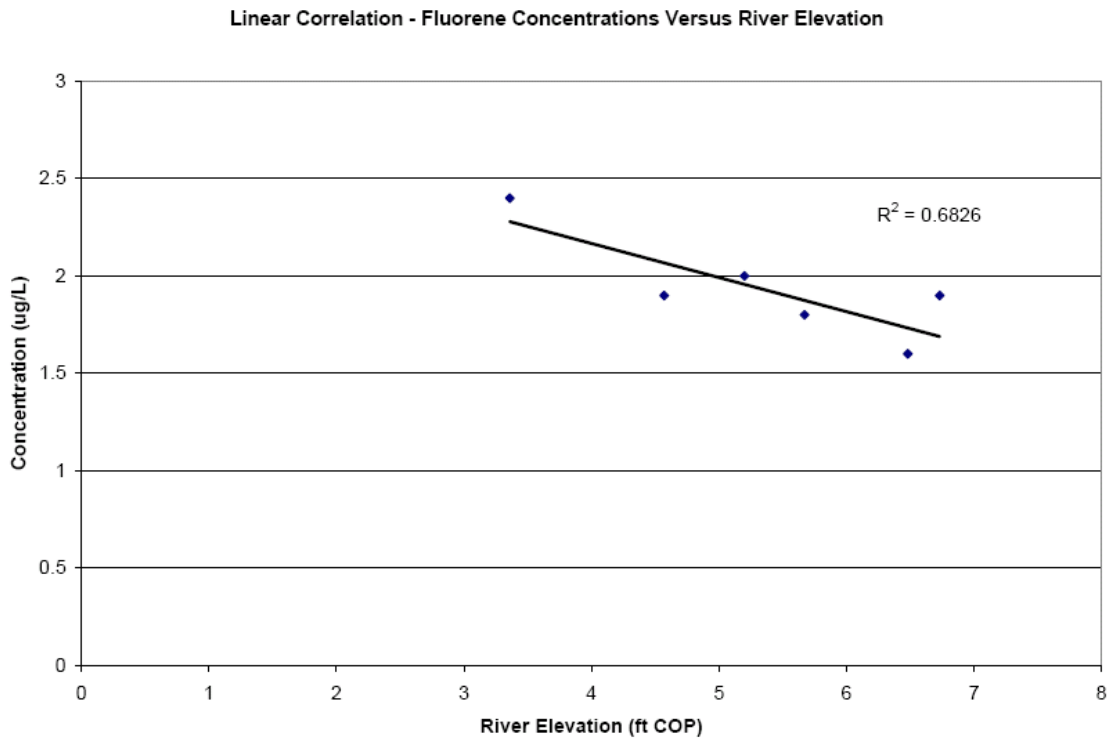

Linear Correlation - m,p-Xylene Concentrations Versus River Elevation
R^2 = 0.4
m,p-Xylene Concentration (ug/L)
River Elevation (ft COP)
0
50
100
150
200
250
300
350
400
0
1
2
3
4
5
6
7

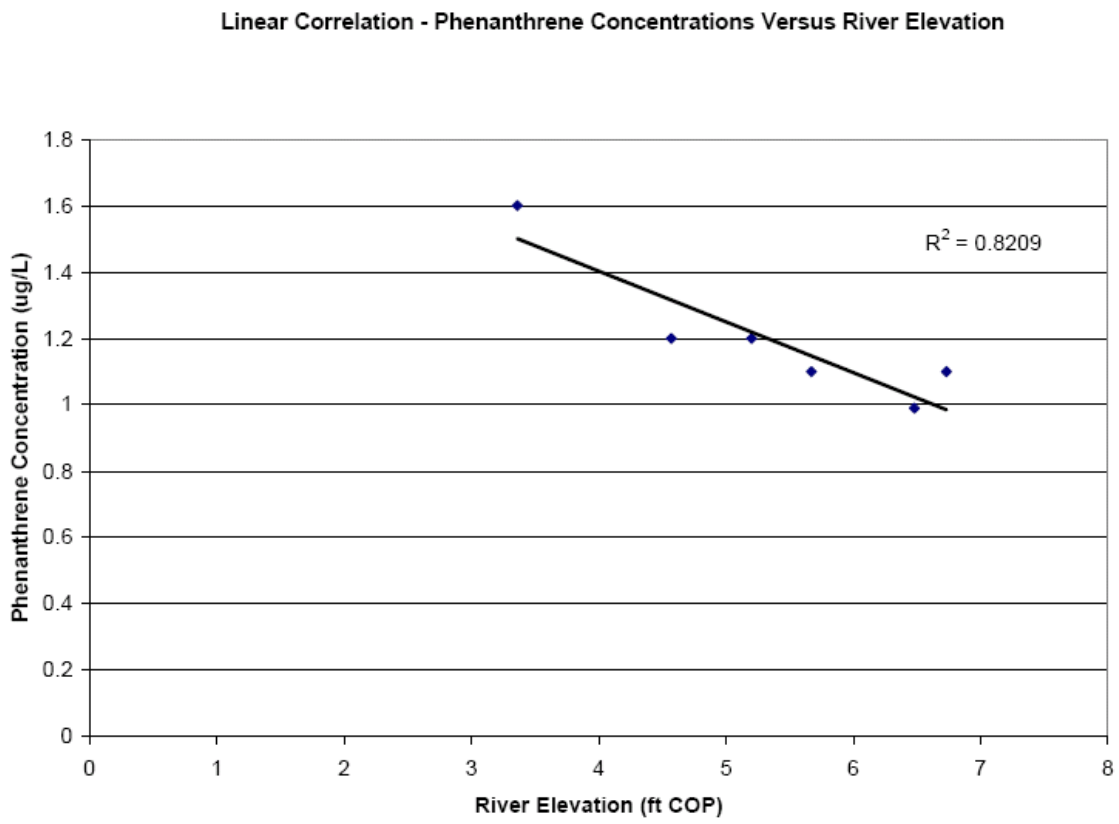

Linear Correlation - Calcium Concentrations Versus River Elevation
Calcium Concentration (mg/L)
River Elevation (ft COP)
R^2 = 0.1513
108000
106000
104000
102000
100000
98000
96000
94000
92000
90000
88000
0
1
2
3
4
5
6
7
8


Linear Correlation - Iron Concentrations Versus River Elevation
Iron Concentration (mg/L)
River Elevation (ft COP)
R^2 = 0.2518
80000
70000
60000
50000
40000
30000
20000
10000
0
0
1
2
3
4
5
6
7
8


Linear Correlation - Acenapthene Concentrations Versus River Elevation
Acenapthene Concentration (ug/L)
River Elevation (ft COP)
R^2 = 0.558
11.2
11
10.8
10.6
10.4
10.2
10
9.8
9.6
9.4
9.2
9
0
1
2
3
4
5
6
7
8


Linear Correlation - Fluoranthene Concentrations Versus River Elevation
Concentration (ug/L)
River Elevation (ft COP)
R^2 = 0.7711
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
0
1
2
3
4
5
6
7
8


Linear Correlation - Fluorene Concentrations Versus River Elevation
Concentration (ug/L)
River Elevation (ft COP)
R^2 = 0.6826
0
0.5
1
1.5
2
2.5
3
0
1
2
3
4
5
6
7
8


Linear Correlation - Phenanthrene Concentrations Versus River Elevation
Phenanthrene Concentration (ug/L)
River Elevation (ft COP)
R^2 = 0.8209
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
0
1
2
3
4
5
6
7
8