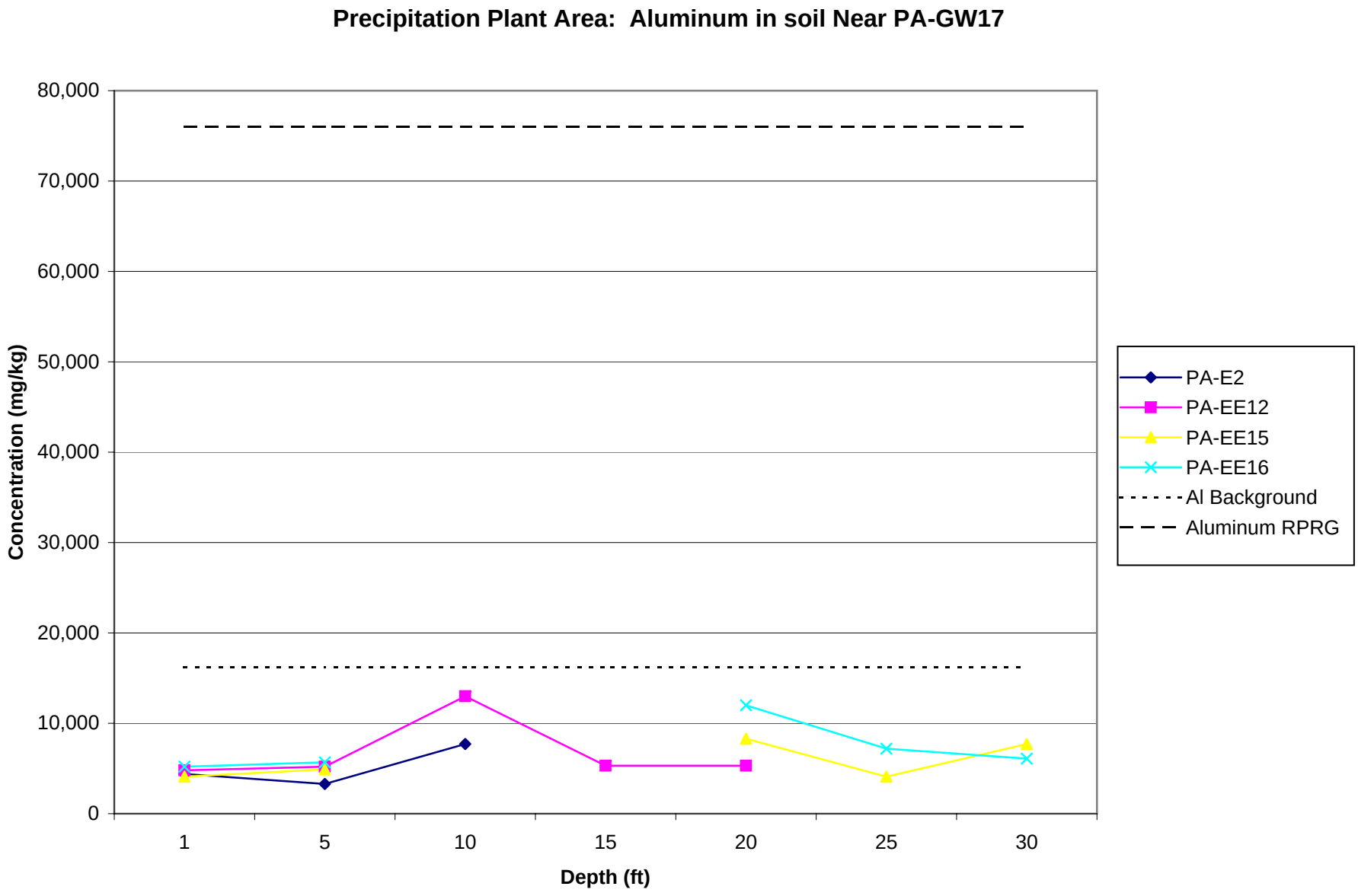
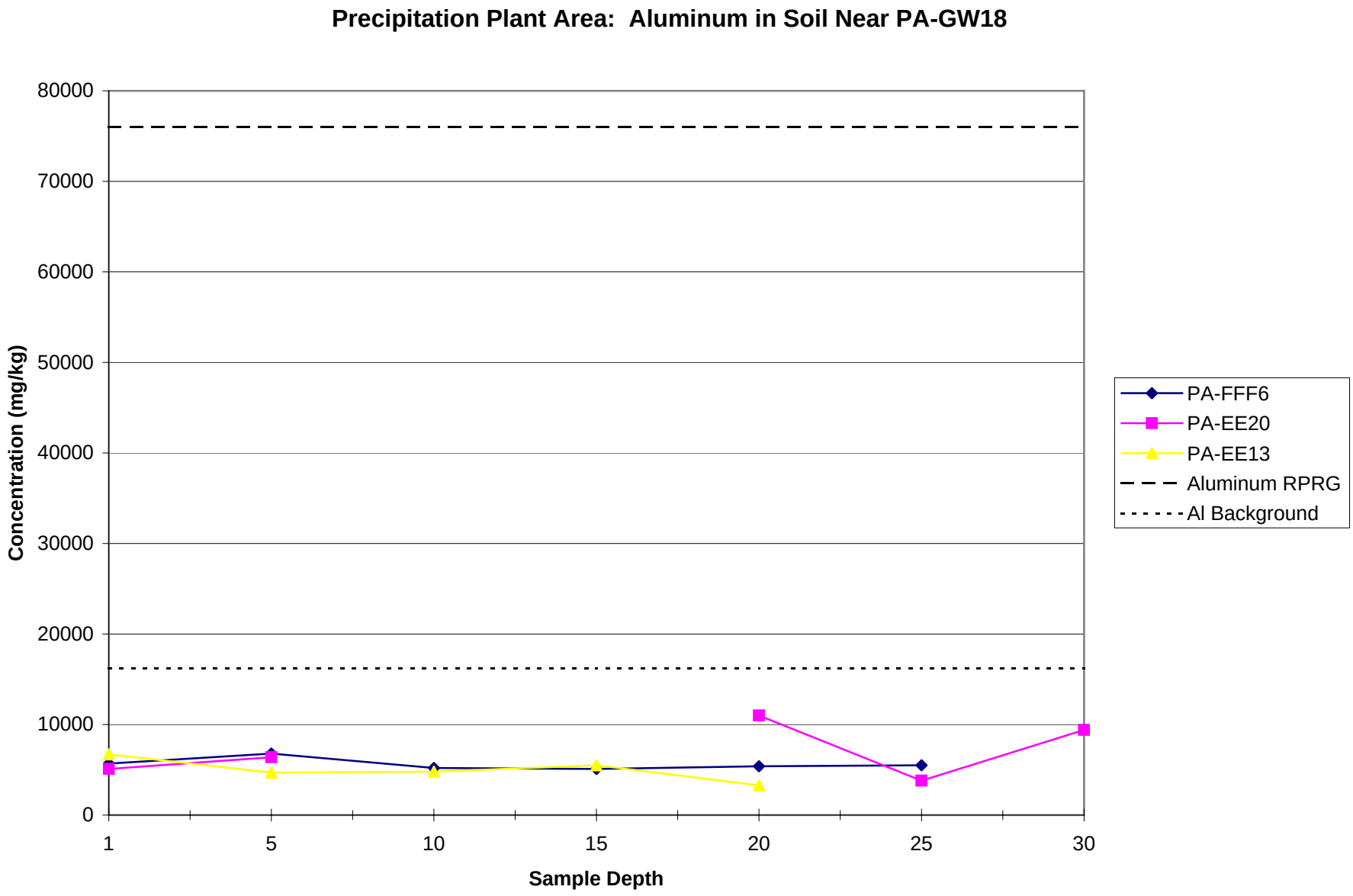
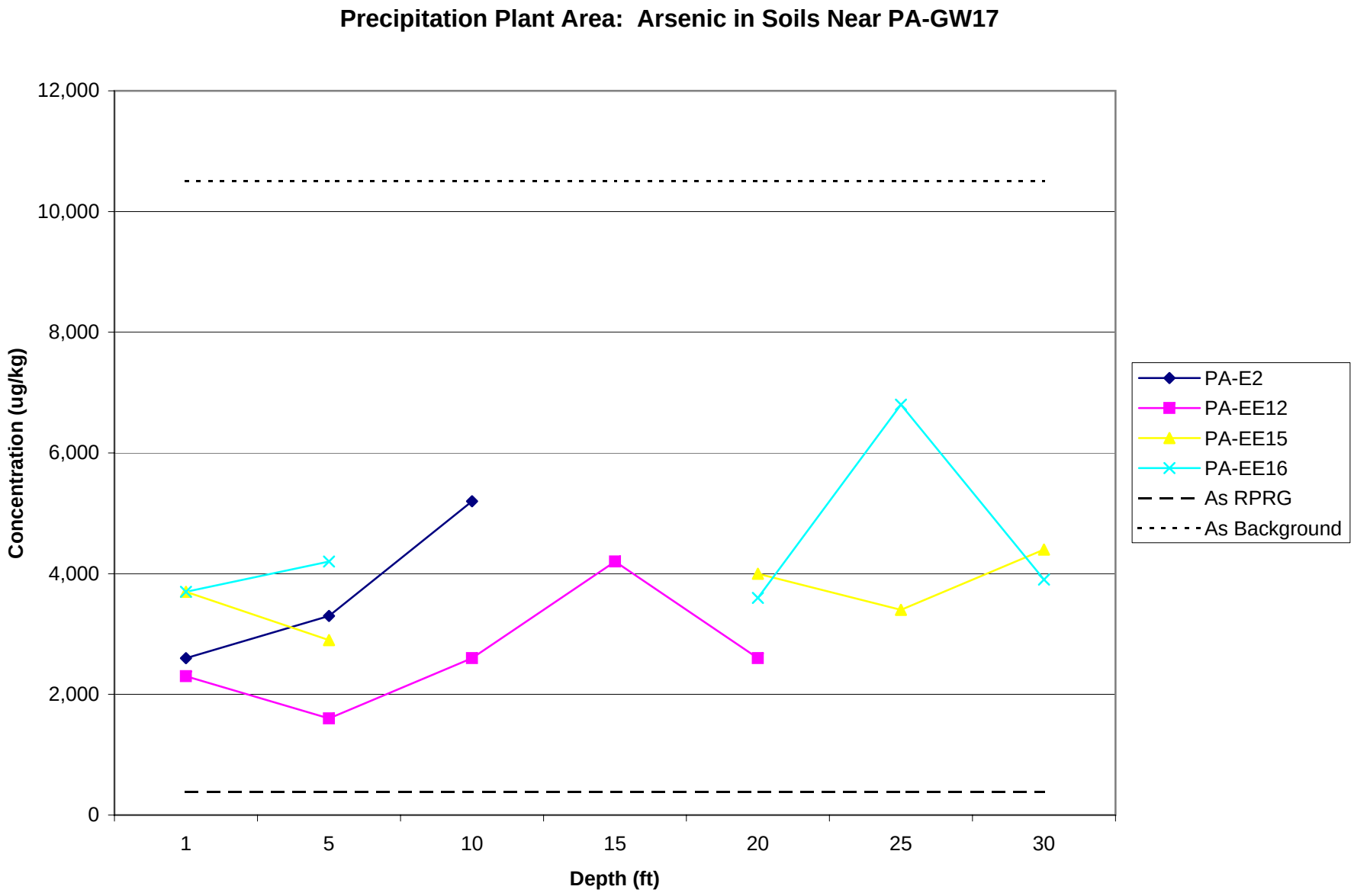
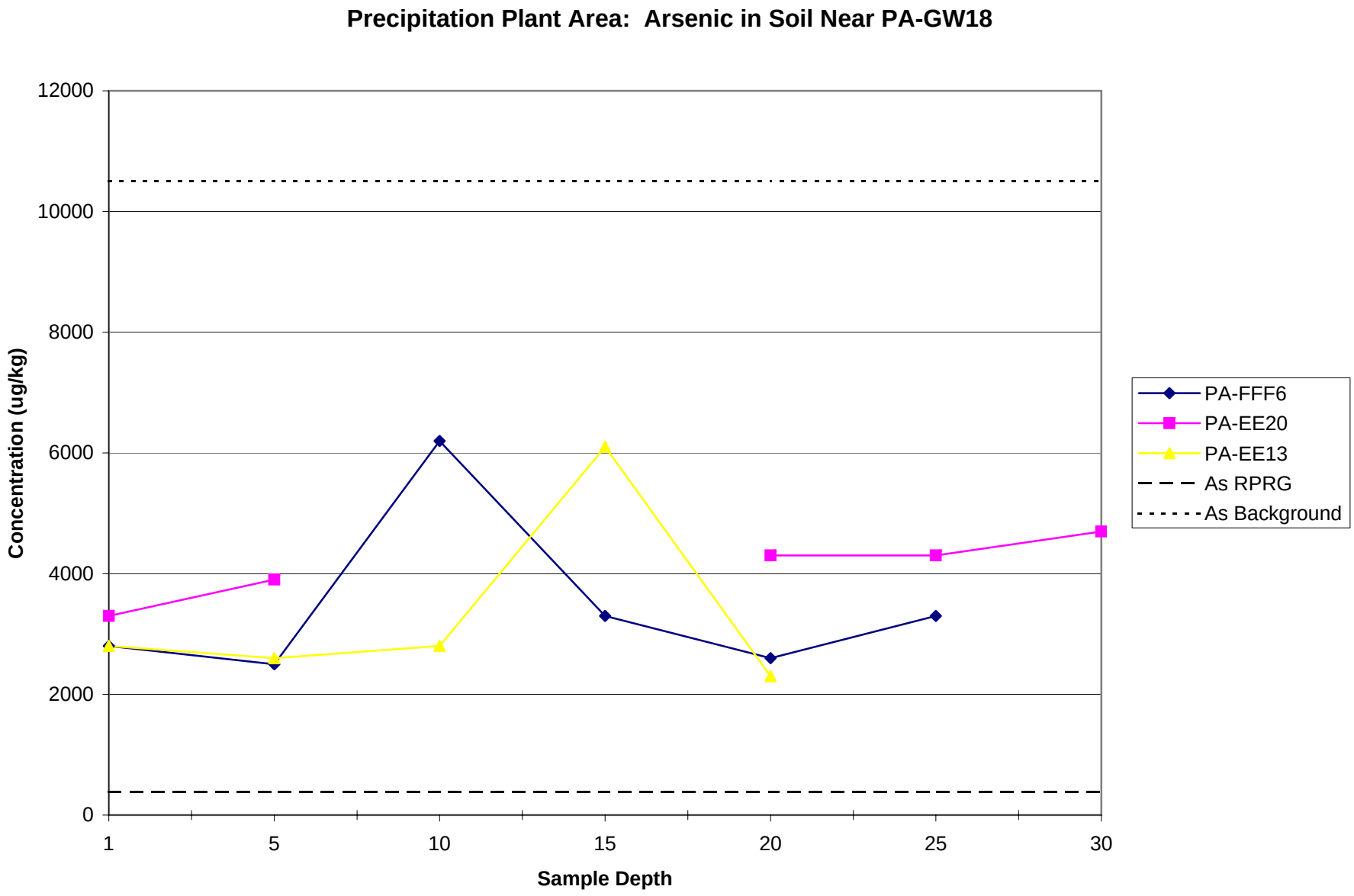
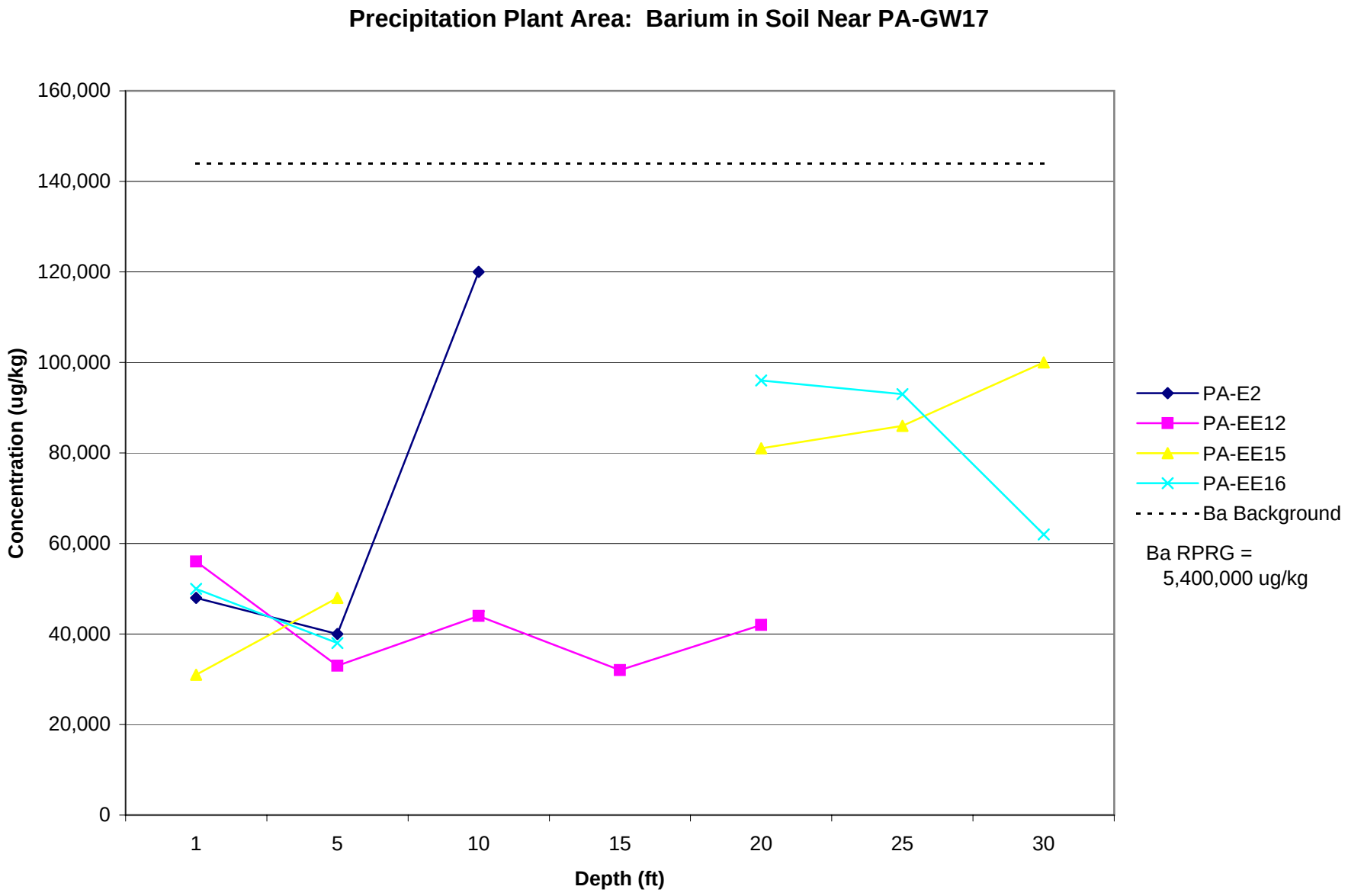
Precipitation Plant Area

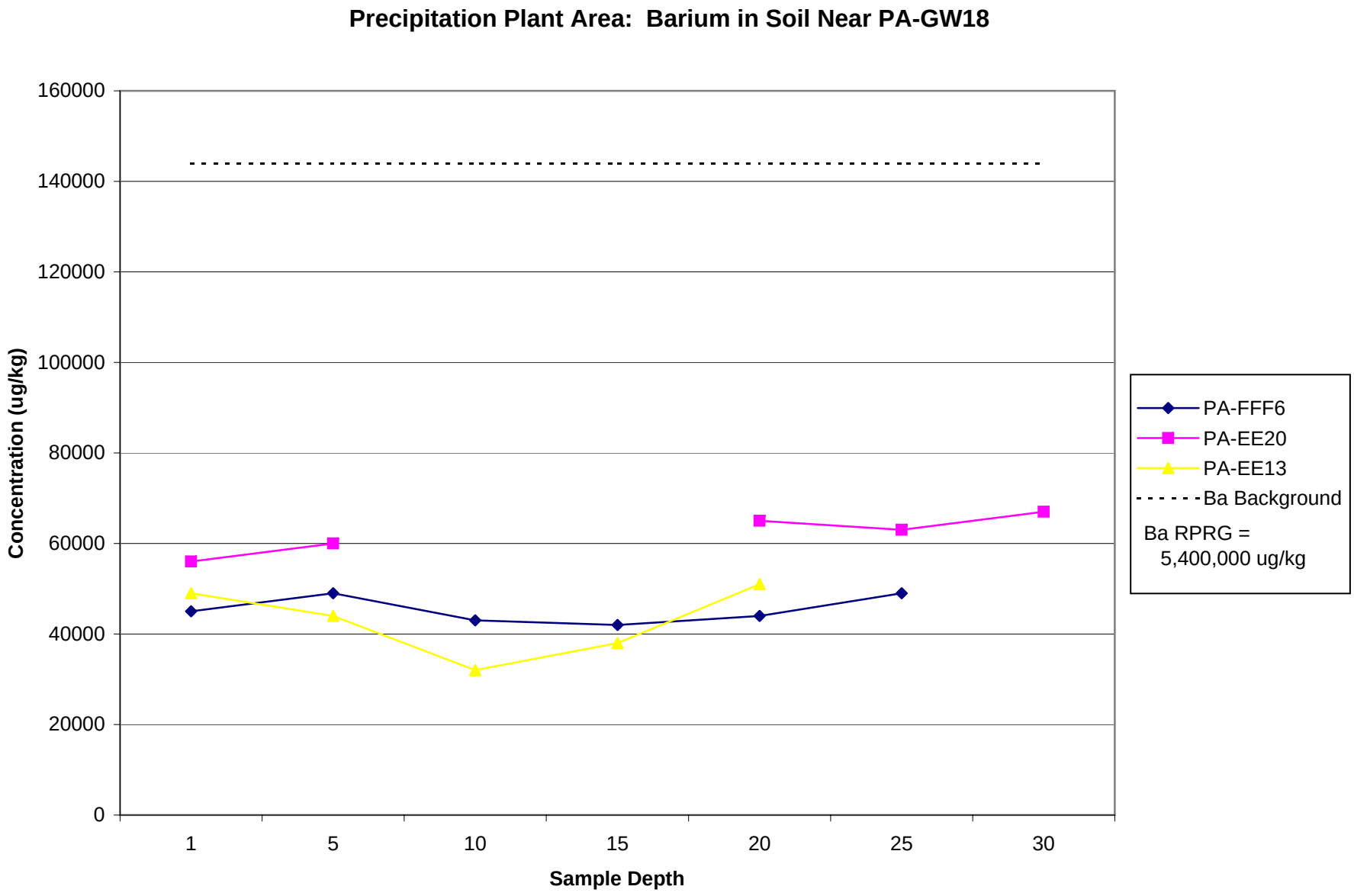

Precipitation Plant Area: Aluminum in soil Near PA-GW17
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
0
Concentration (mg/kg)
1
5
10
15
20
25
30
Depth (ft)
PA-E2
PA-EE12
PA-EE15
PA-EE16
Al Background
Aluminum RPRG

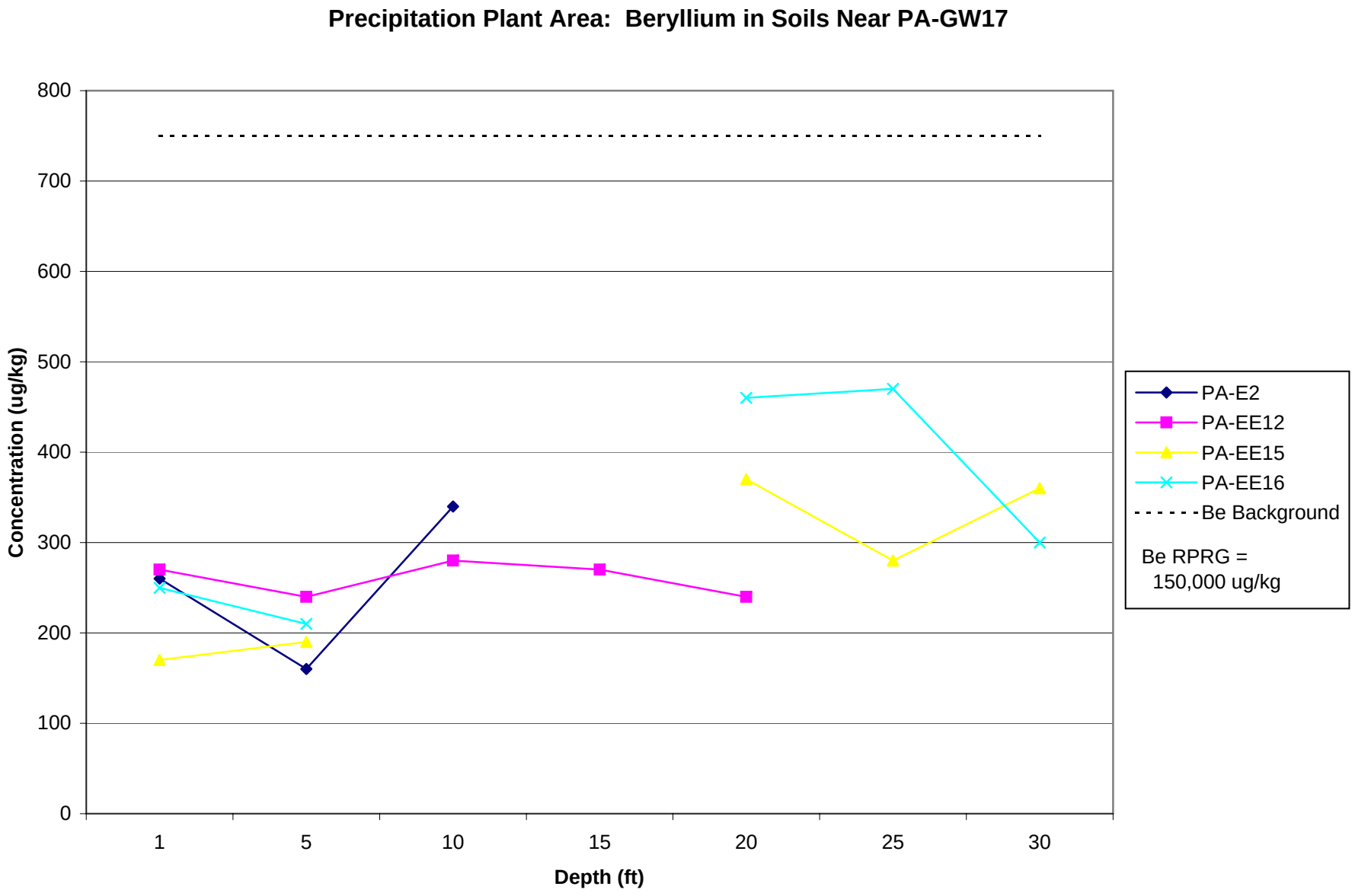

Precipitation Plant Area: Aluminum in Soil Near PA-GW18
Concentration (mg/kg)
80000
70000
60000
50000
40000
30000
20000
10000
0
1
5
10
15
20
25
30
Sample Depth
PA-FFF6
PA-EE20
PA-EE13
Aluminum RPRG
Al Background

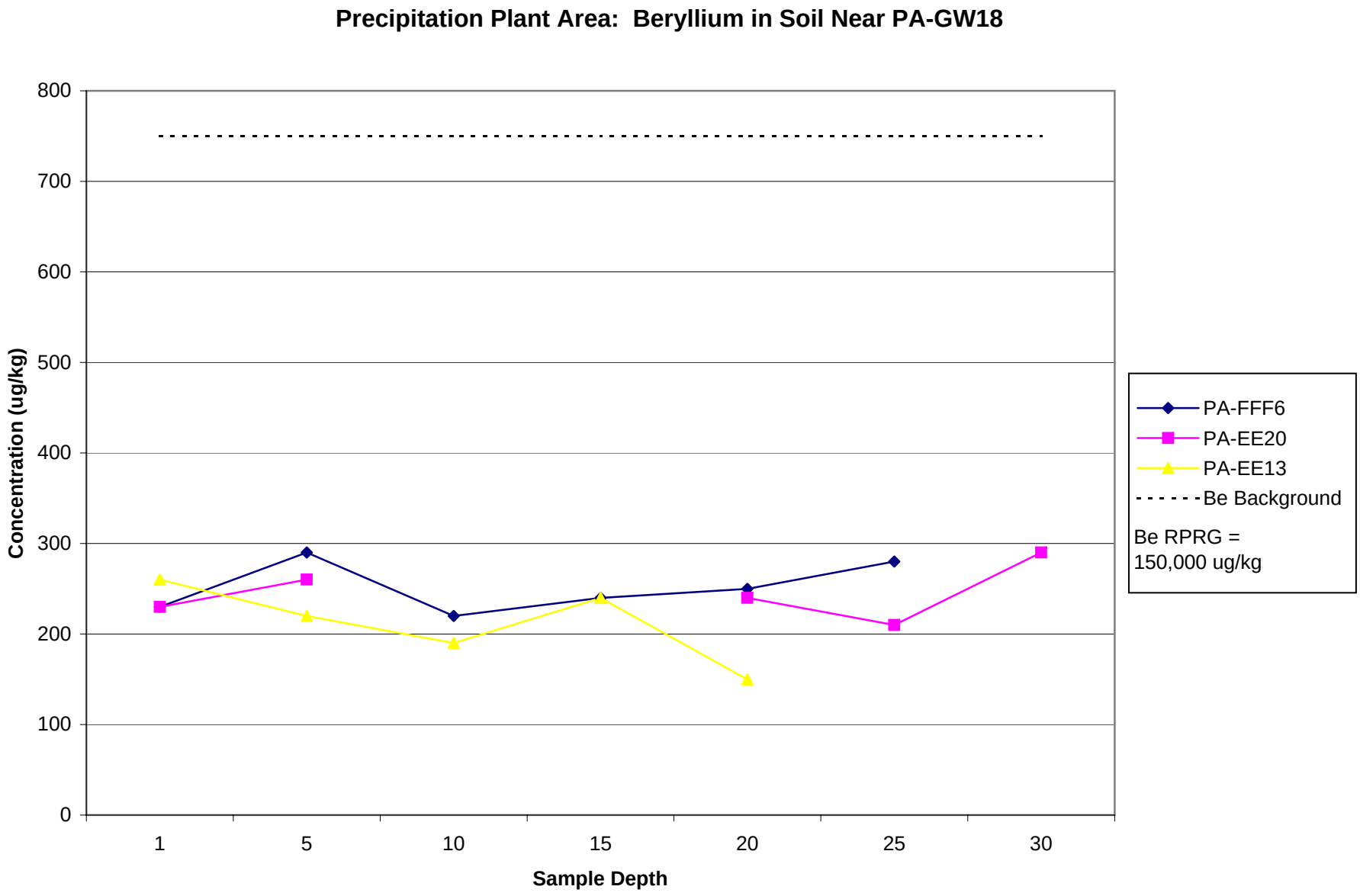

Precipitation Plant Area: Arsenic in Soils Near PA-GW17
12,000
10,000
8,000
6,000
4,000
2,000
0
Concentration (ug/kg)
1
5
10
15
20
25
30
Depth (ft)
PA-E2
PA-EE12
PA-EE15
PA-EE16
As RPRG
As Background

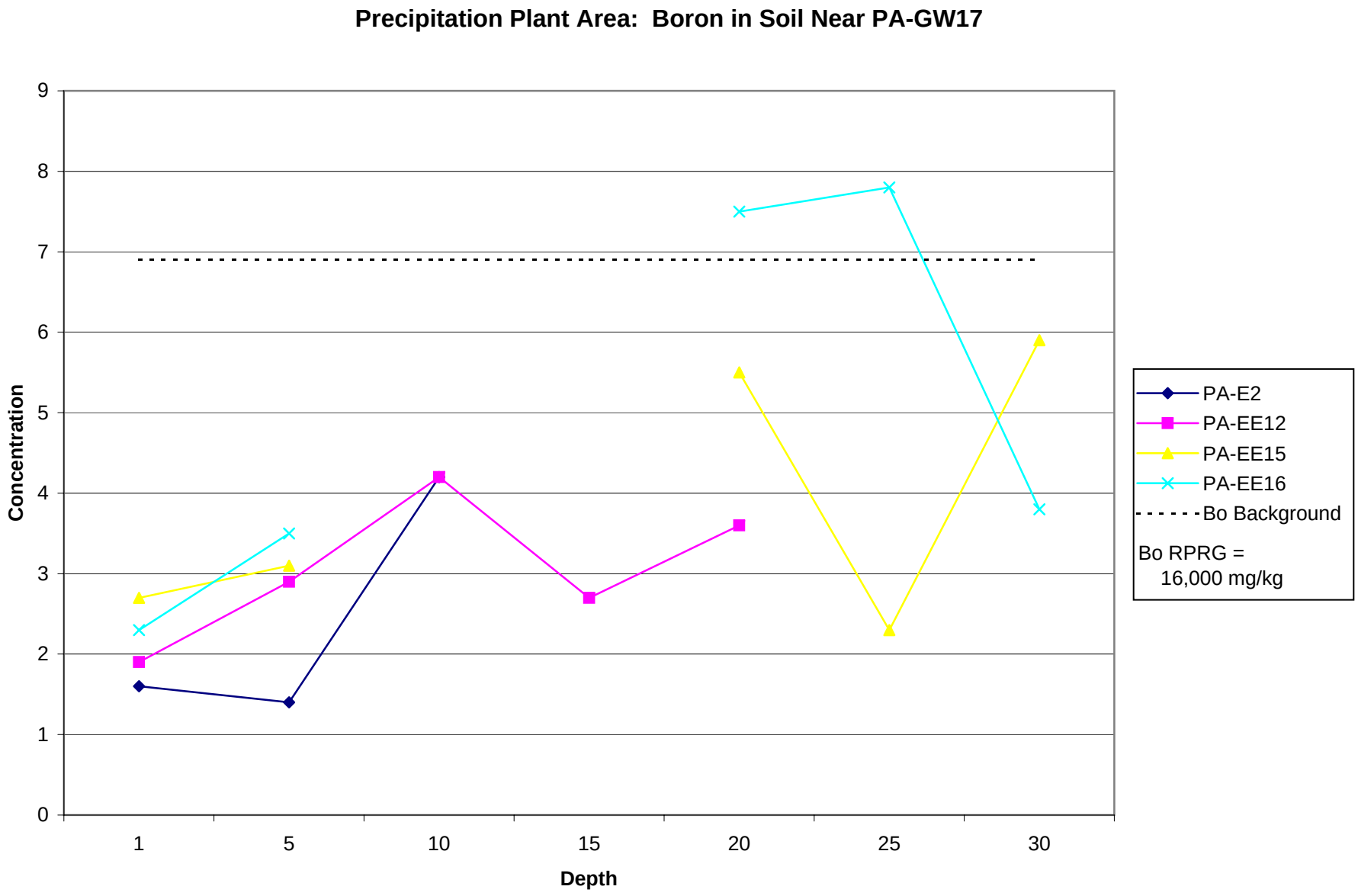

Precipitation Plant Area: Arsenic in Soil Near PA-GW18
12000
10000
8000
6000
4000
2000
0
Concentration (ug/kg)
1
5
10
15
20
25
30
Sample Depth
PA-FFF6
PA-EE20
PA-EE13
As RPRG
As Background

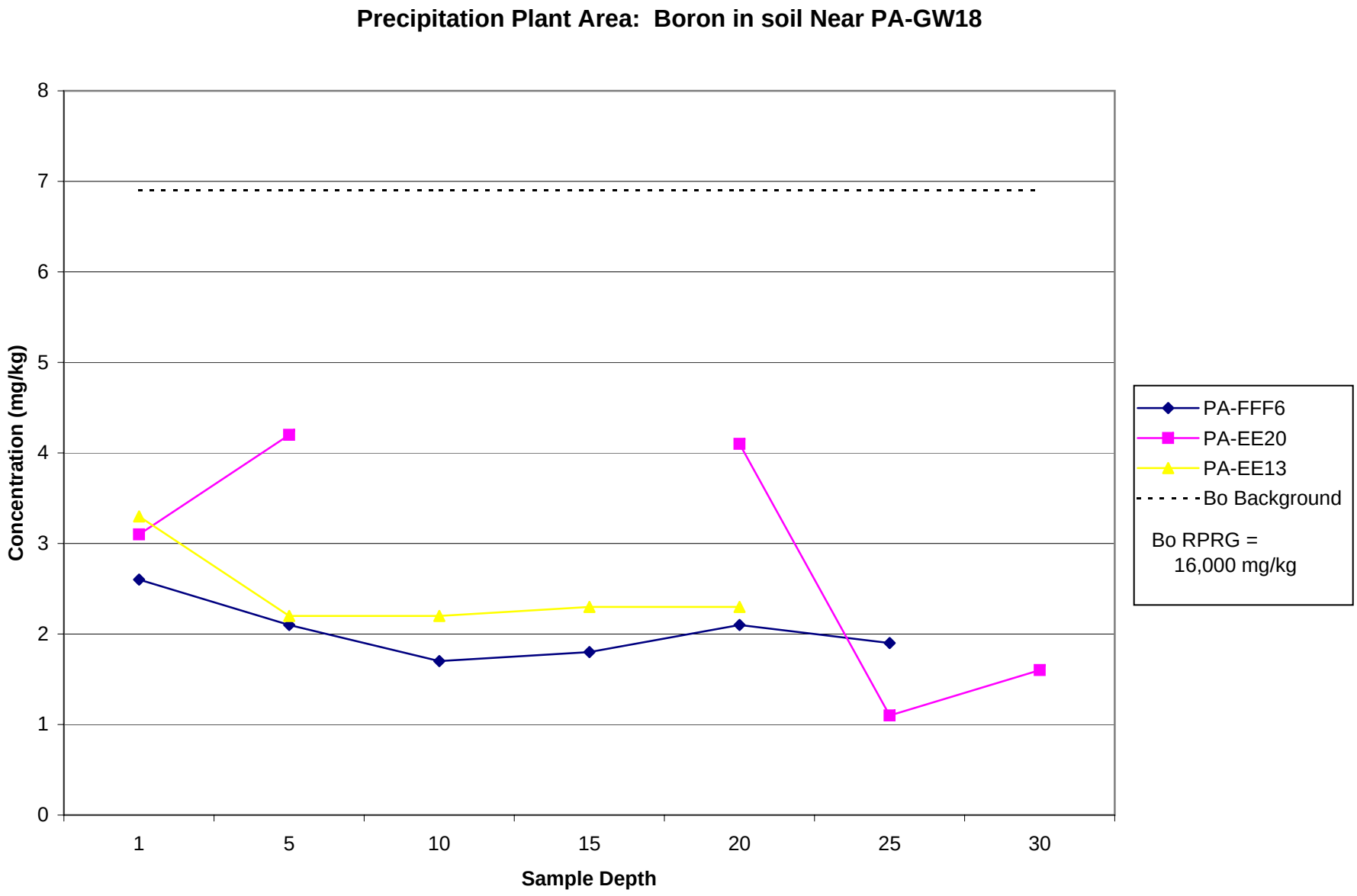

Precipitation Plant Area: Barium in Soil Near PA-GW17
160,000
140,000
120,000
100,000
80,000
60,000
40,000
20,000
0
Concentration (ug/kg)
1
5
10
15
20
25
30
Depth (ft)
PA-E2
PA-EE12
PA-EE15
PA-EE16
Ba Background
Ba RPRG =
5,400,000 ug/kg

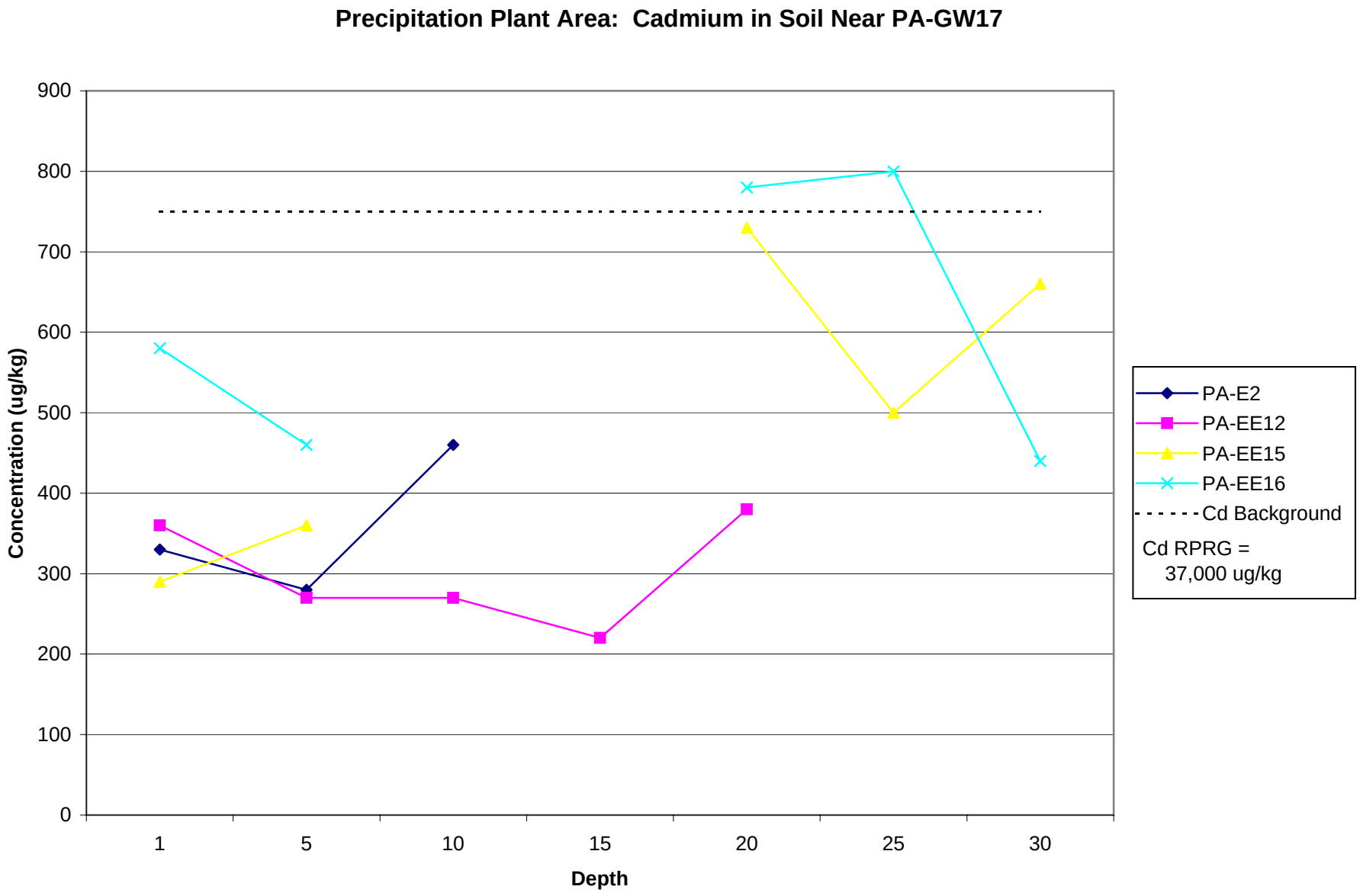

Precipitation Plant Area: Barium in Soil Near PA-GW18
160000
140000
120000
100000
80000
60000
40000
20000
0
Concentration (ug/kg)
1
5
10
15
20
25
30
Sample Depth
PA-FFF6
PA-EE20
PA-EE13
Ba Background
Ba RPRG =
5,400,000 ug/kg

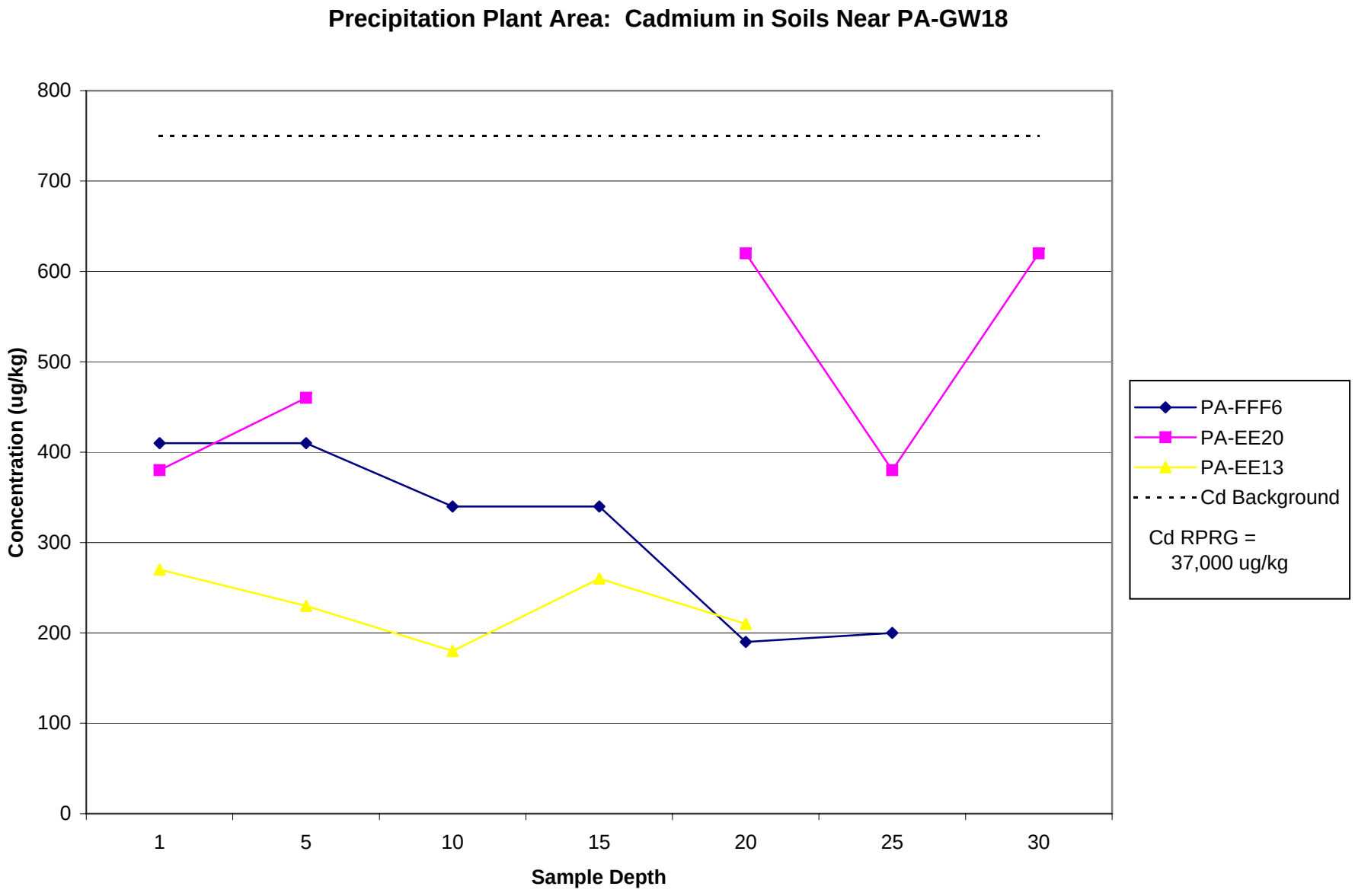

Precipitation Plant Area: Beryllium in Soils Near PA-GW17
Concentration (ug/kg)
800
700
600
500
400
300
200
100
0
1
5
10
15
20
25
30
Depth (ft)
PA-E2
PA-EE12
PA-EE15
PA-EE16
Be Background
Be RPRG =
150,000 ug/kg

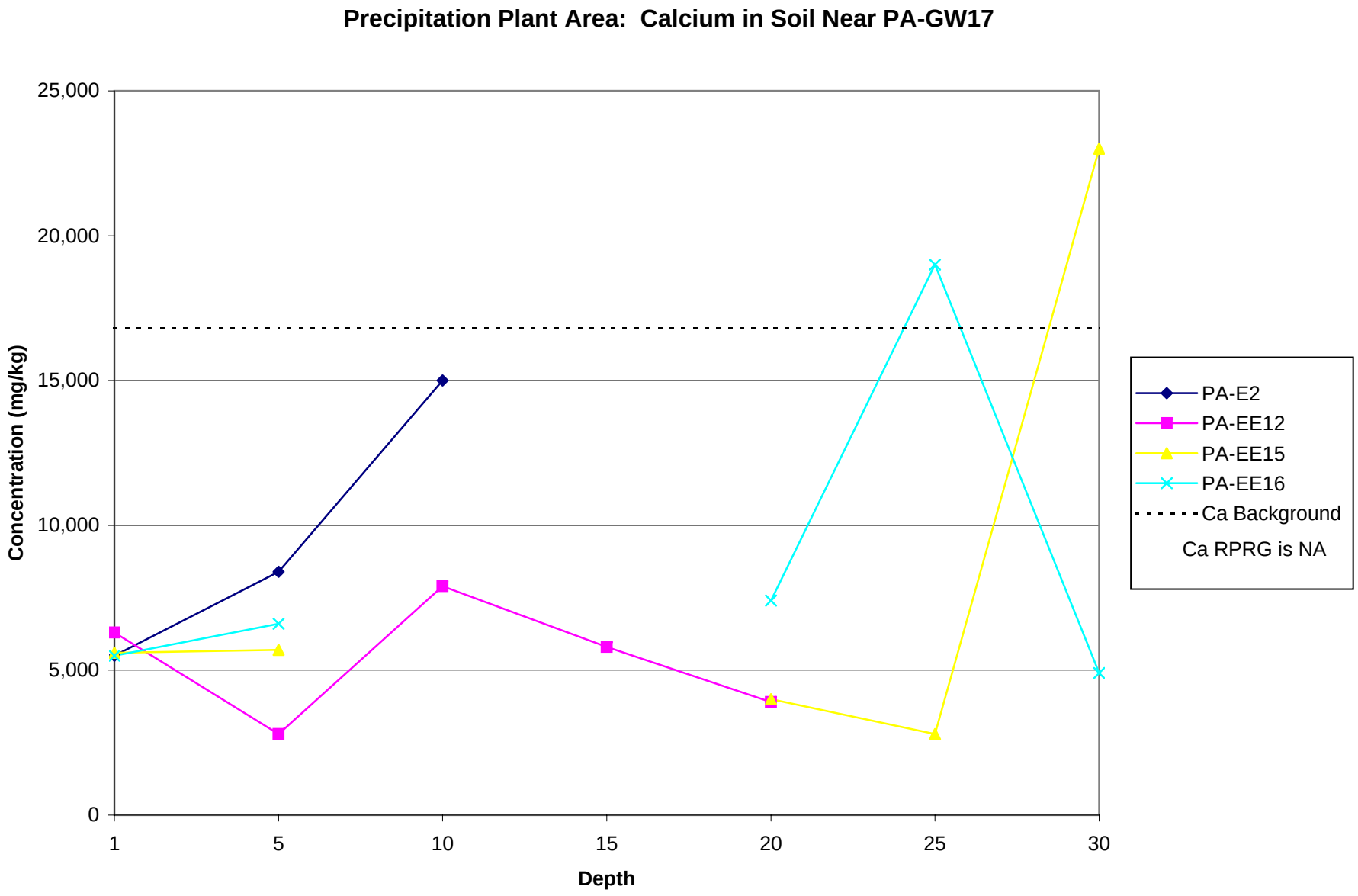

Precipitation Plant Area: Beryllium in Soil Near PA-GW18
Concentration (ug/kg)
800
700
600
500
400
300
200
100
0
1
5
10
15
20
25
30
Sample Depth
PA-FFF6
PA-EE20
PA-EE13
Be Background
Be RPRG =
150,000 ug/kg

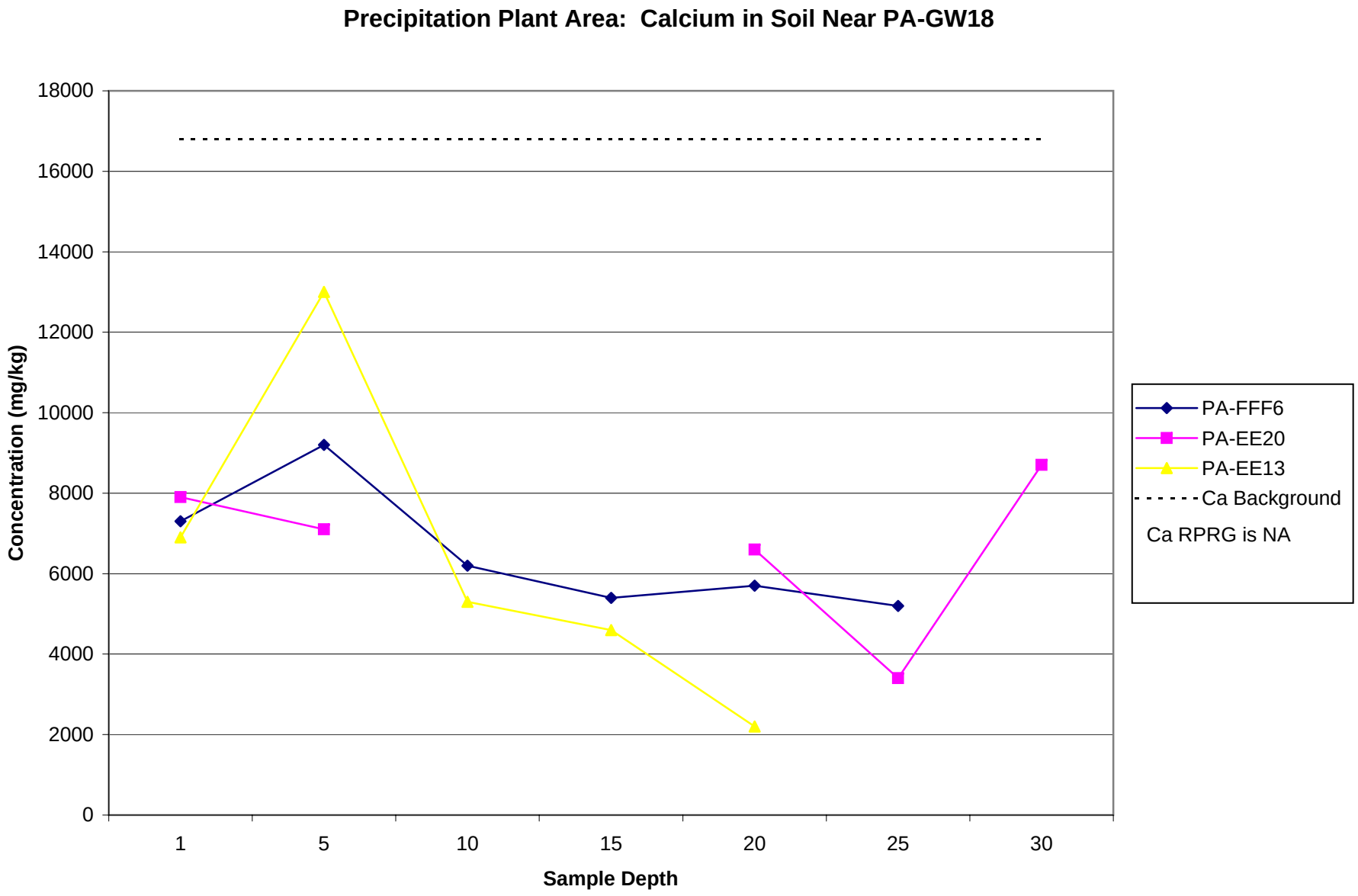

Precipitation Plant Area: Boron in Soil Near PA-GW17
Concentration
Depth
0
1
2
3
4
5
6
7
8
9
1
5
10
15
20
25
30
PA-E2
PA-EE12
PA-EE15
PA-EE16
Bo Background
Bo RPRG =
16,000 mg/kg

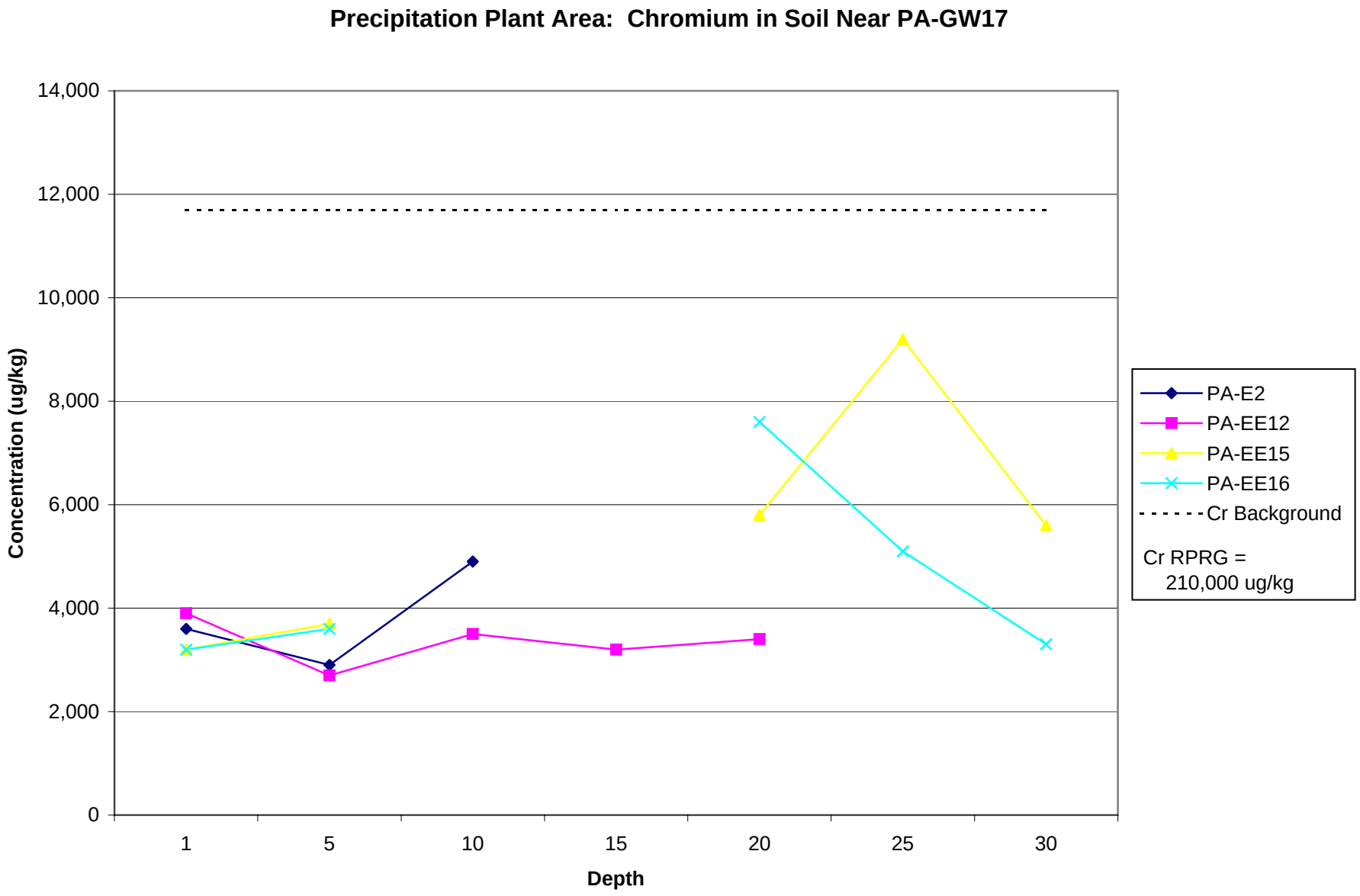

Precipitation Plant Area: Boron in soil Near PA-GW18
Concentration (mg/kg)
8
7
6
5
4
3
2
1
0
1
5
10
15
20
25
30
Sample Depth
PA-FFF6
PA-EE20
PA-EE13
Bo Background
Bo RPRG =
16,000 mg/kg

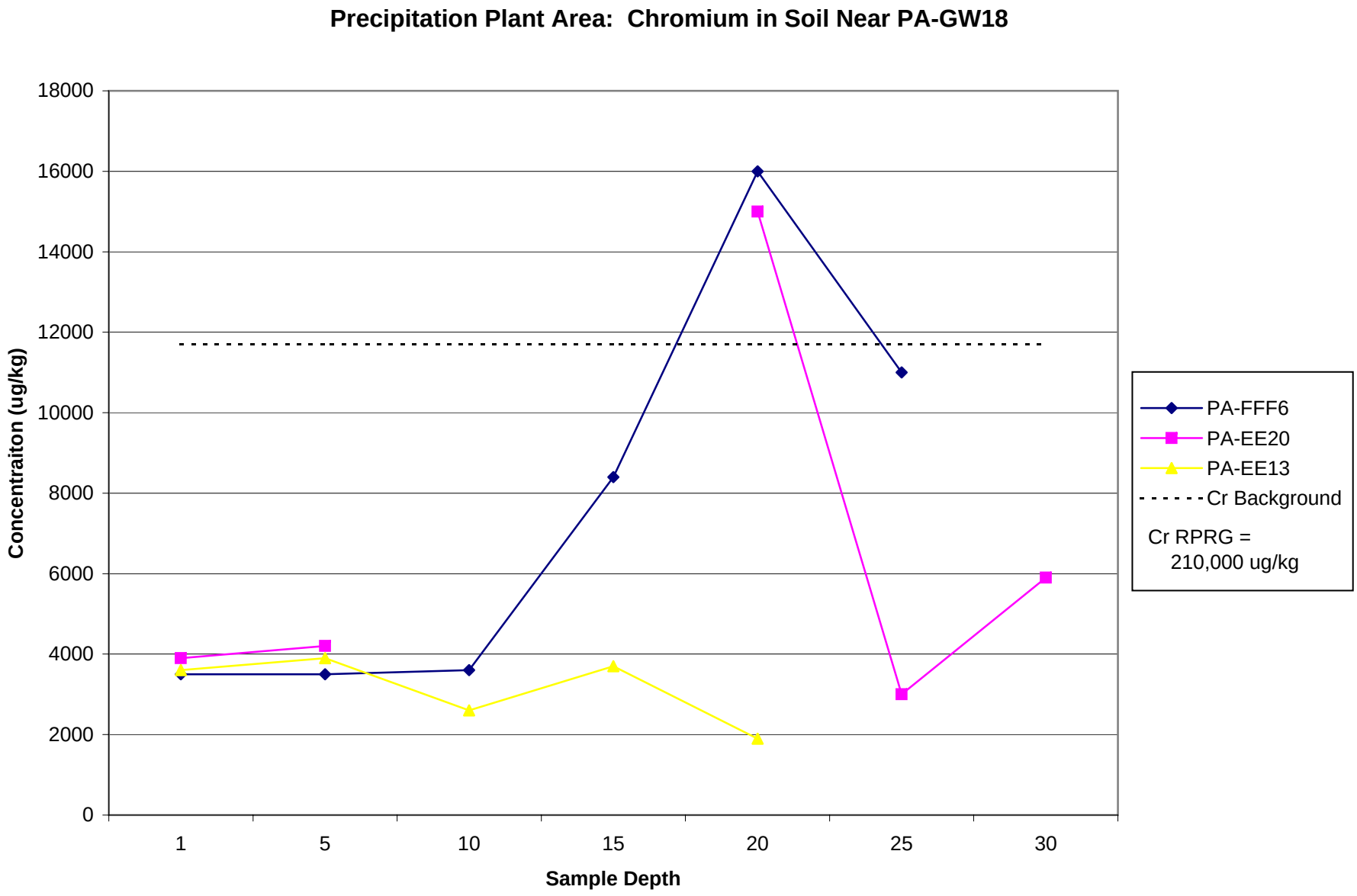

Precipitation Plant Area: Cadmium in Soil Near PA-GW17
Concentration (ug/kg)
900
800
700
600
500
400
300
200
100
0
1
5
10
15
20
25
30
Depth
PA-E2
PA-EE12
PA-EE15
PA-EE16
Cd Background
Cd RPRG =
37,000 ug/kg

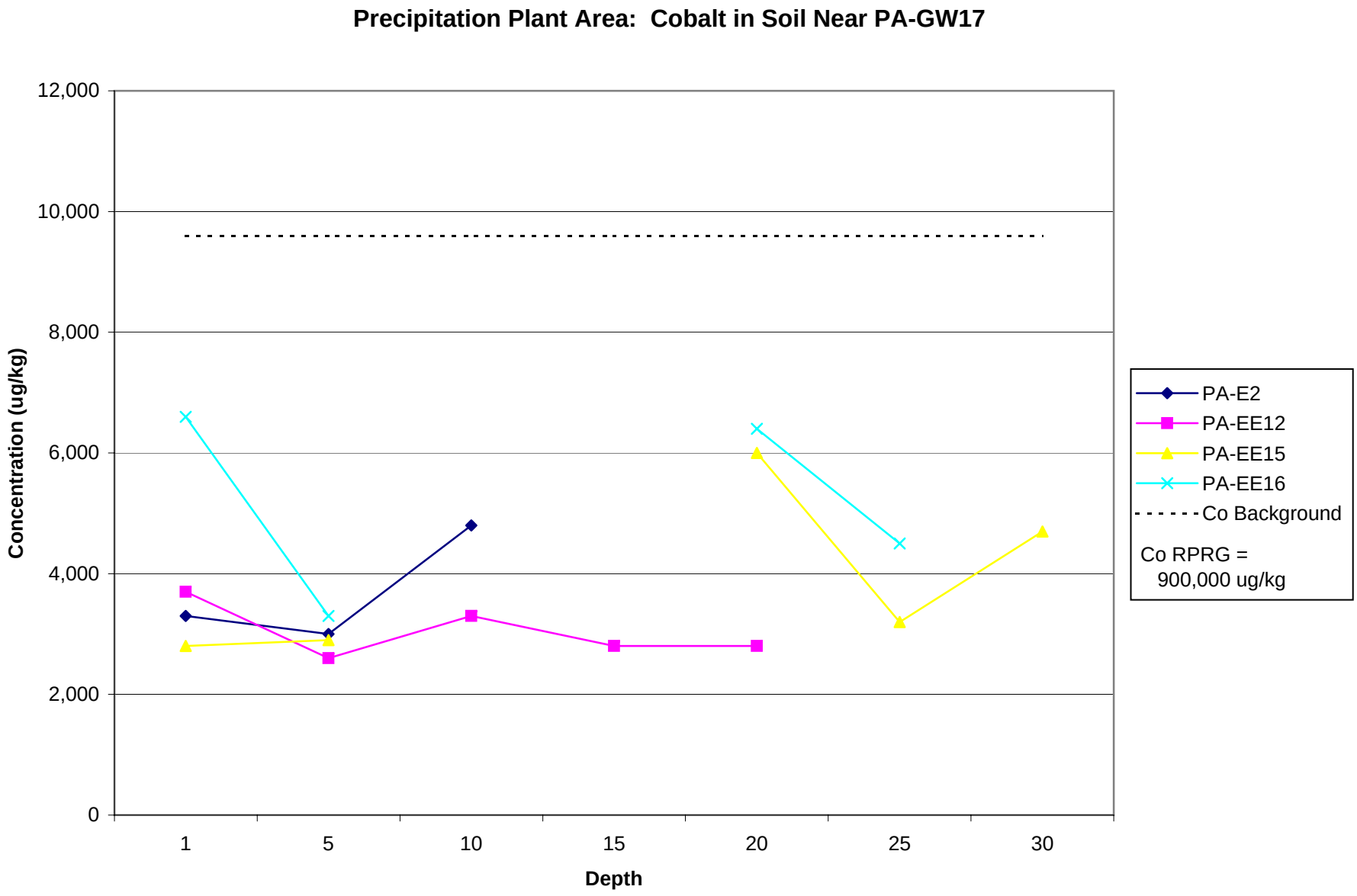

Precipitation Plant Area: Cadmium in Soils Near PA-GW18
Concentration (ug/kg)
800
700
600
500
400
300
200
100
0
1
5
10
15
20
25
30
Sample Depth
PA-FFF6
PA-EE20
PA-EE13
Cd Background
Cd RPRG =
37,000 ug/kg

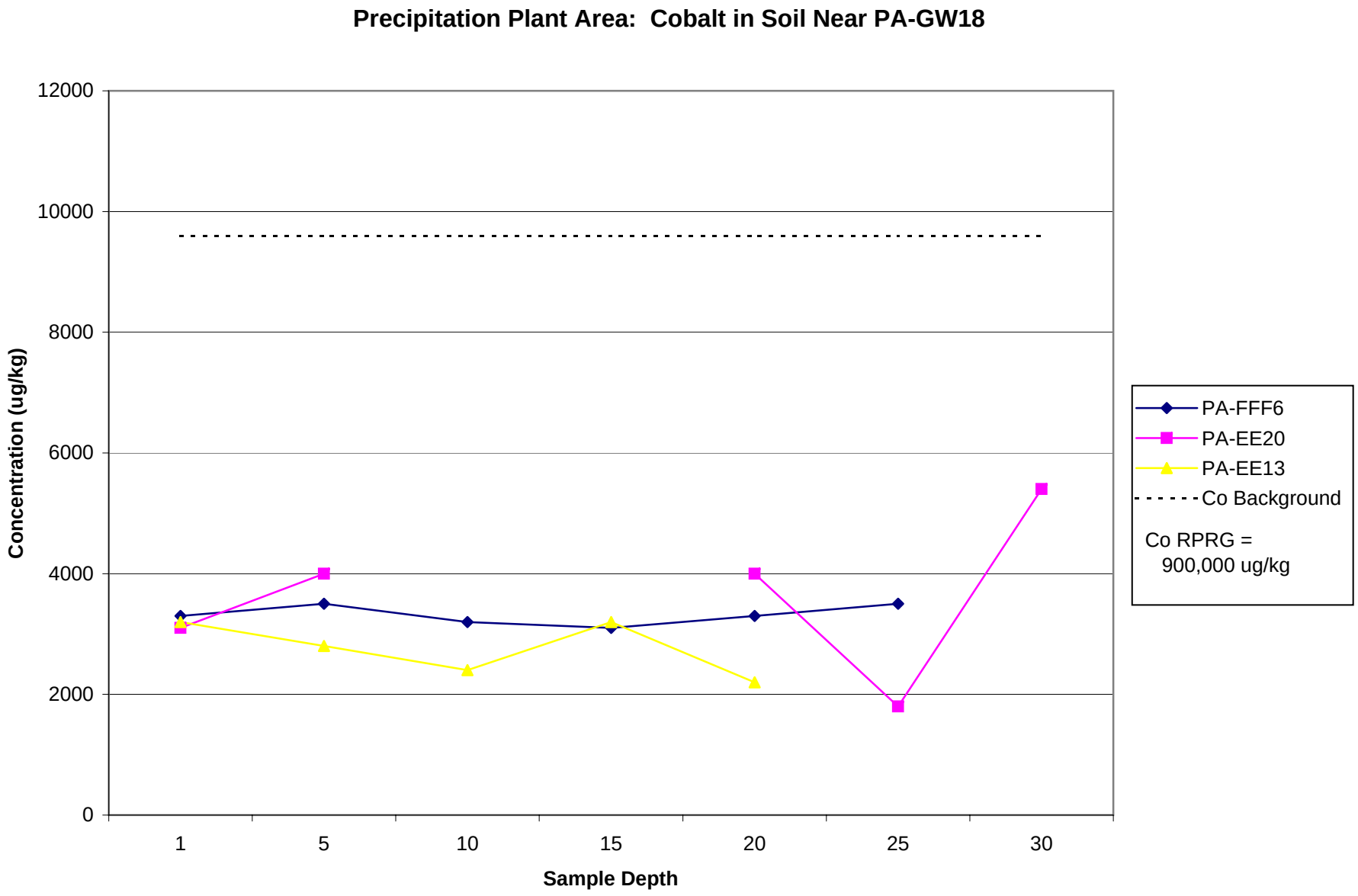

Precipitation Plant Area: Calcium in Soil Near PA-GW17
Concentration (mg/kg)
25,000
20,000
15,000
10,000
5,000
0
1
5
10
15
20
25
30
Depth
PA-E2
PA-EE12
PA-EE15
PA-EE16
Ca Background
Ca RPRG is NA

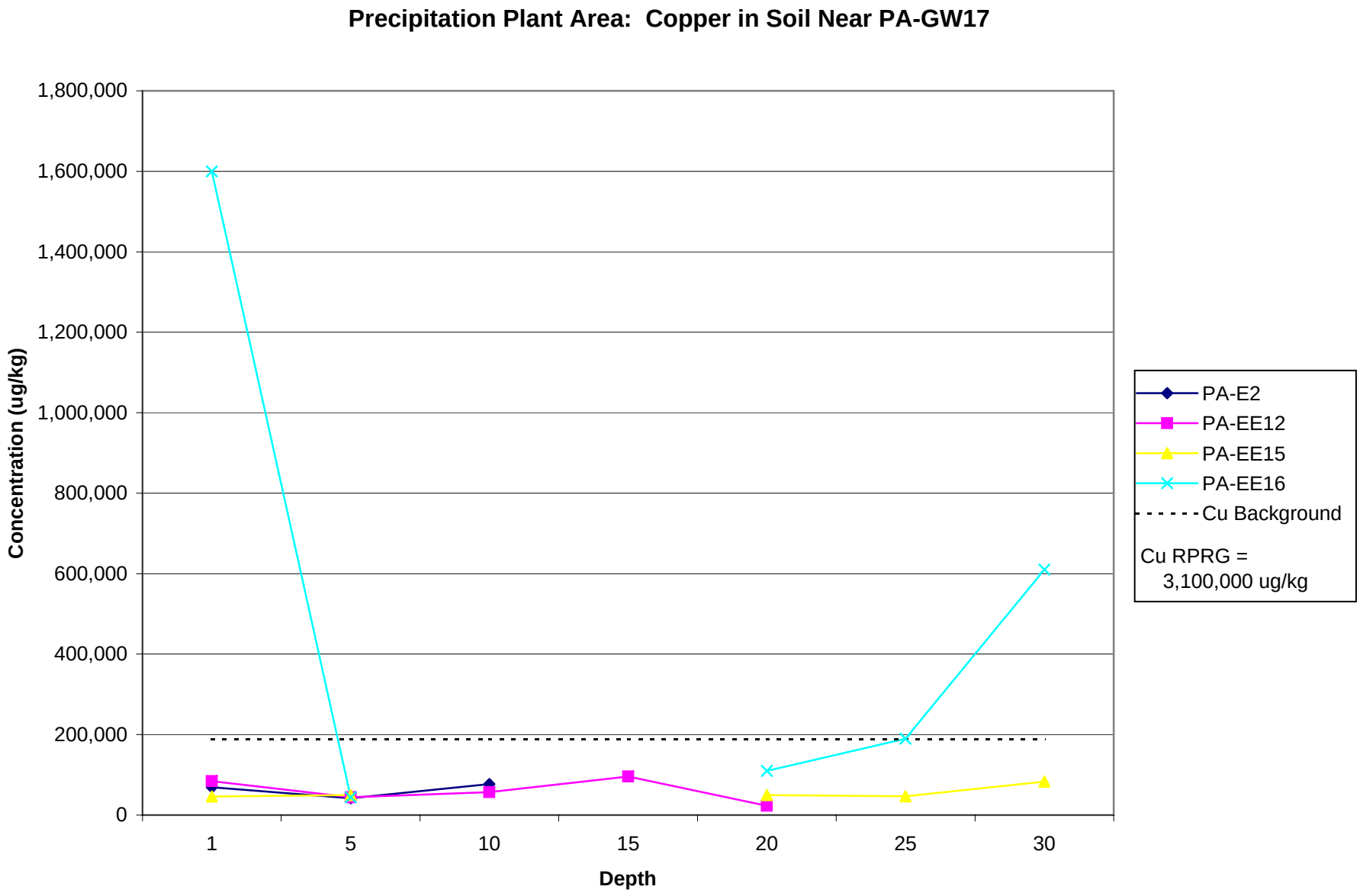

Precipitation Plant Area: Calcium in Soil Near PA-GW18
Concentration (mg/kg)
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
1
5
10
15
20
25
30
Sample Depth
PA-FFF6
PA-EE20
PA-EE13
Ca Background
Ca RPRG is NA

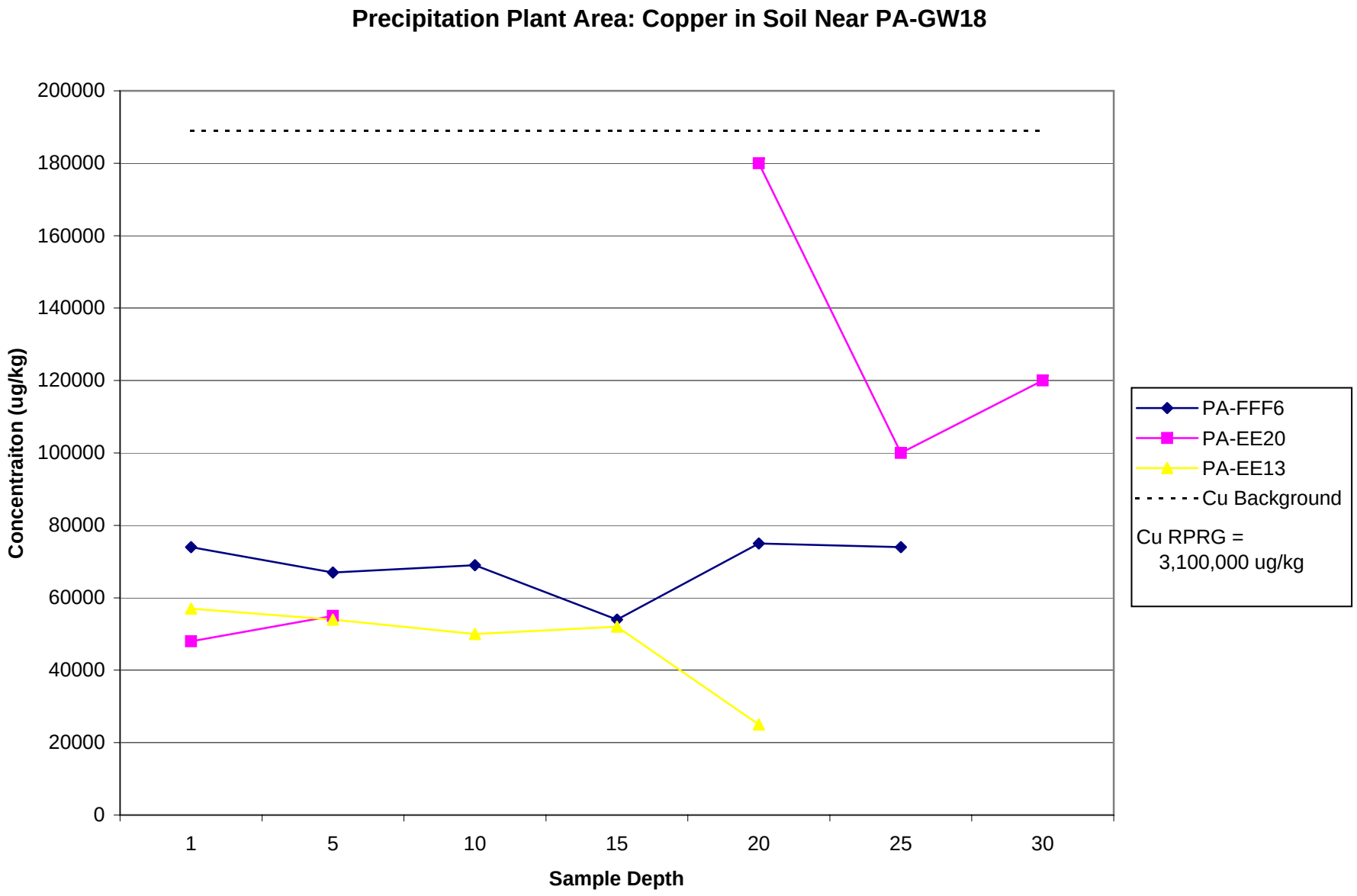

Precipitation Plant Area: Chromium in Soil Near PA-GW17
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
Concentration (ug/kg)
1
5
10
15
20
25
30
Depth
PA-E2
PA-EE12
PA-EE15
PA-EE16
Cr Background
Cr RPRG =
210,000 ug/kg

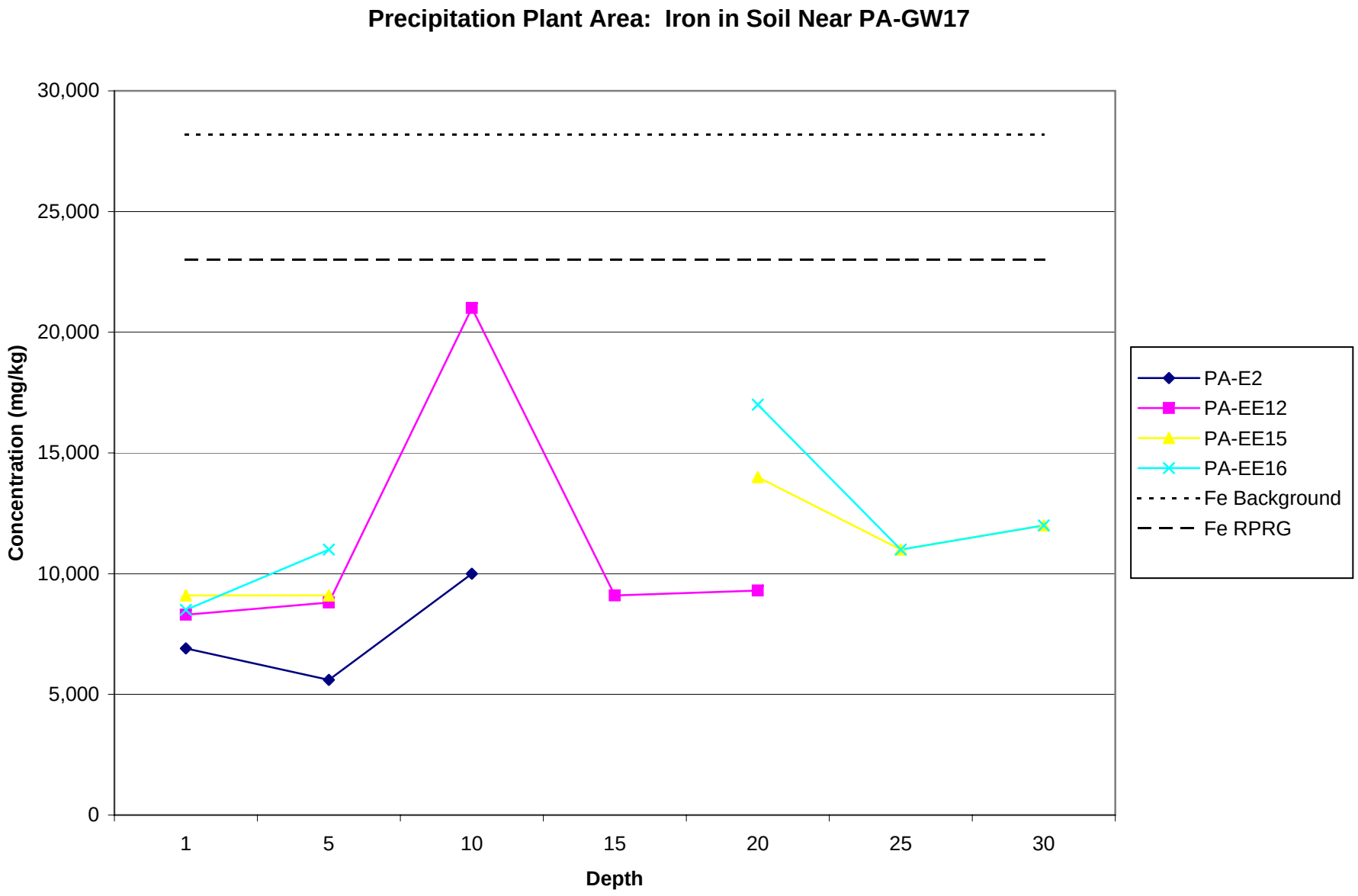

Precipitation Plant Area: Chromium in Soil Near PA-GW18
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
Concentraiton (ug/kg)
1
5
10
15
20
25
30
Sample Depth
PA-FFF6
PA-EE20
PA-EE13
Cr Background
Cr RPRG =
210,000 ug/kg

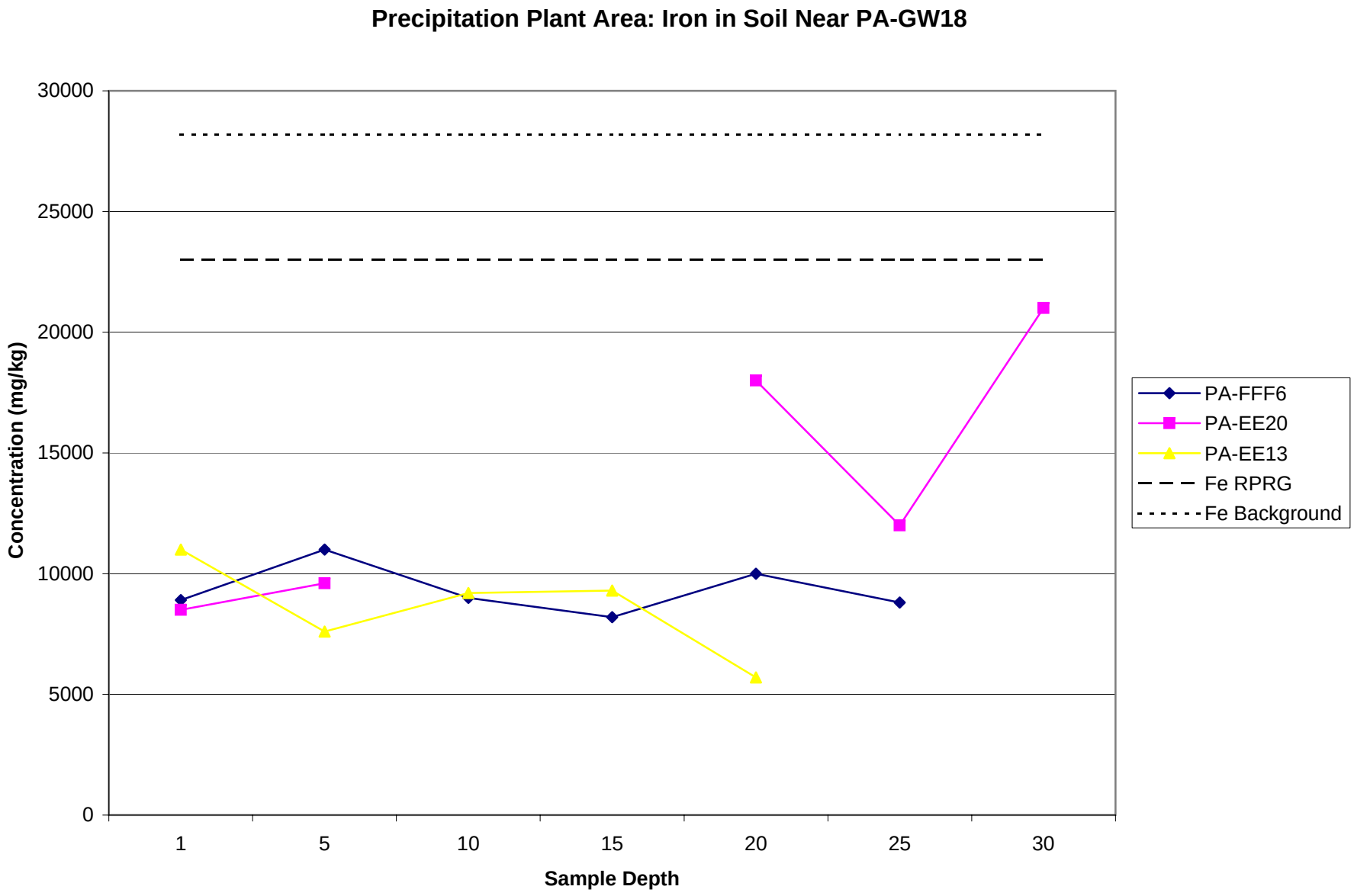

Precipitation Plant Area: Cobalt in Soil Near PA-GW17
12,000
10,000
8,000
6,000
4,000
2,000
0
Concentration (ug/kg)
1
5
10
15
20
25
30
Depth
PA-E2
PA-EE12
PA-EE15
PA-EE16
Co Background
Co RPRG =
900,000 ug/kg

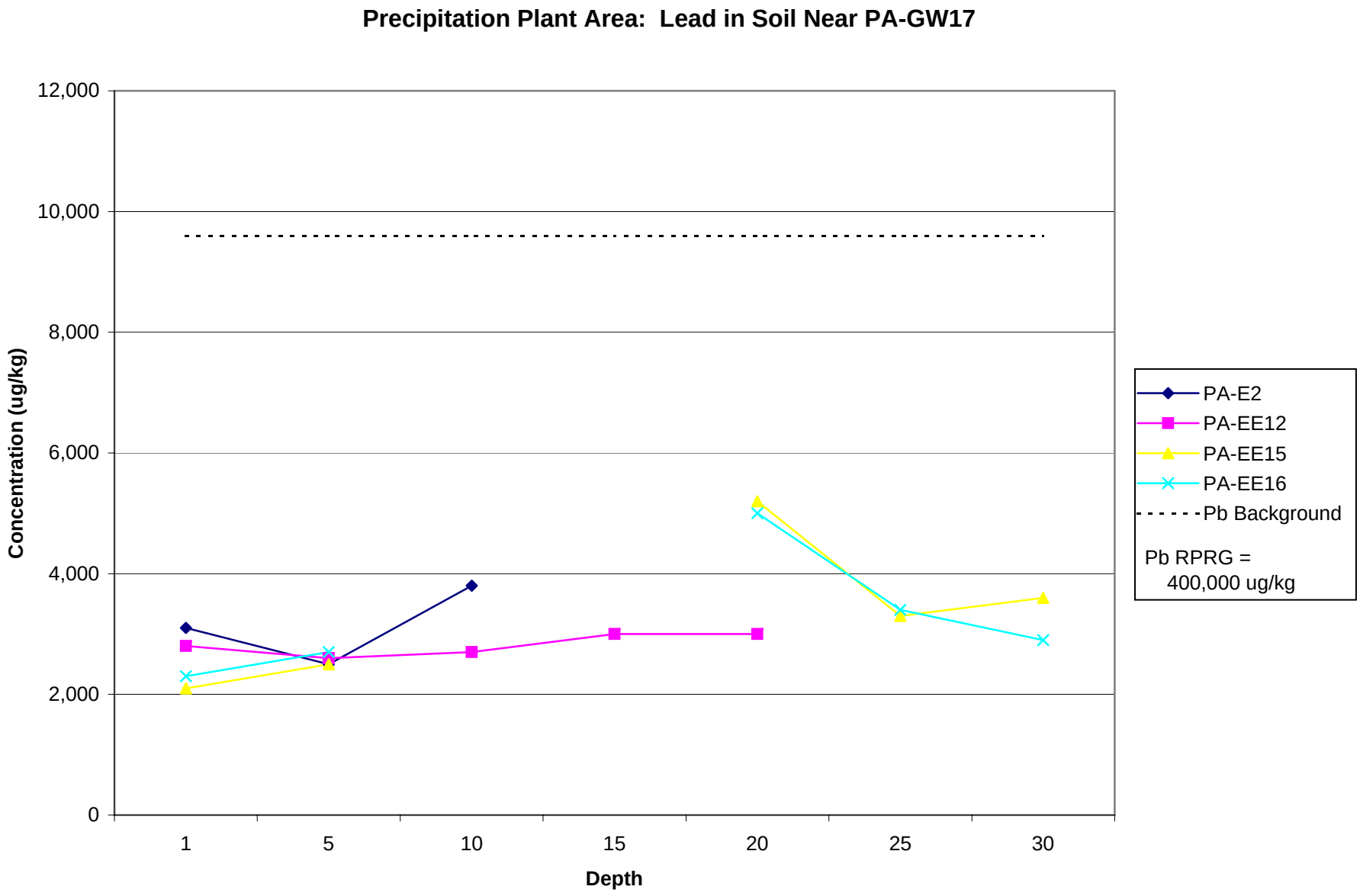

Precipitation Plant Area: Cobalt in Soil Near PA-GW18
12000
10000
8000
6000
4000
2000
0
Concentration (ug/kg)
1
5
10
15
20
25
30
Sample Depth
PA-FFF6
PA-EE20
PA-EE13
Co Background
Co RPRG =
900,000 ug/kg

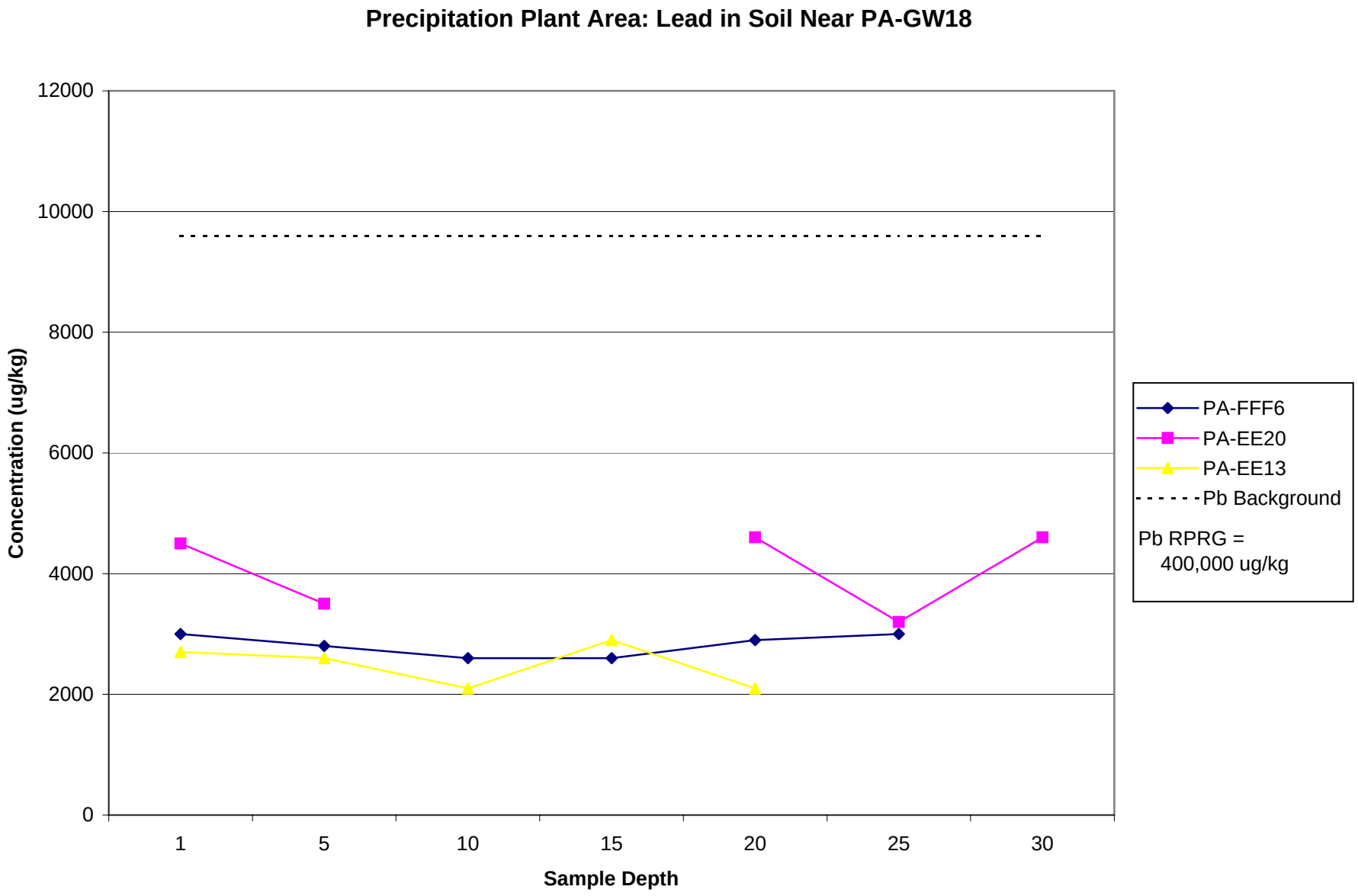

Precipitation Plant Area: Copper in Soil Near PA-GW17
Concentration (ug/kg)
1,800,000
1,600,000
1,400,000
1,200,000
1,000,000
800,000
600,000
400,000
200,000
0
1
5
10
15
20
25
30
Depth
PA-E2
PA-EE12
PA-EE15
PA-EE16
Cu Background
Cu RPRG =
3,100,000 ug/kg

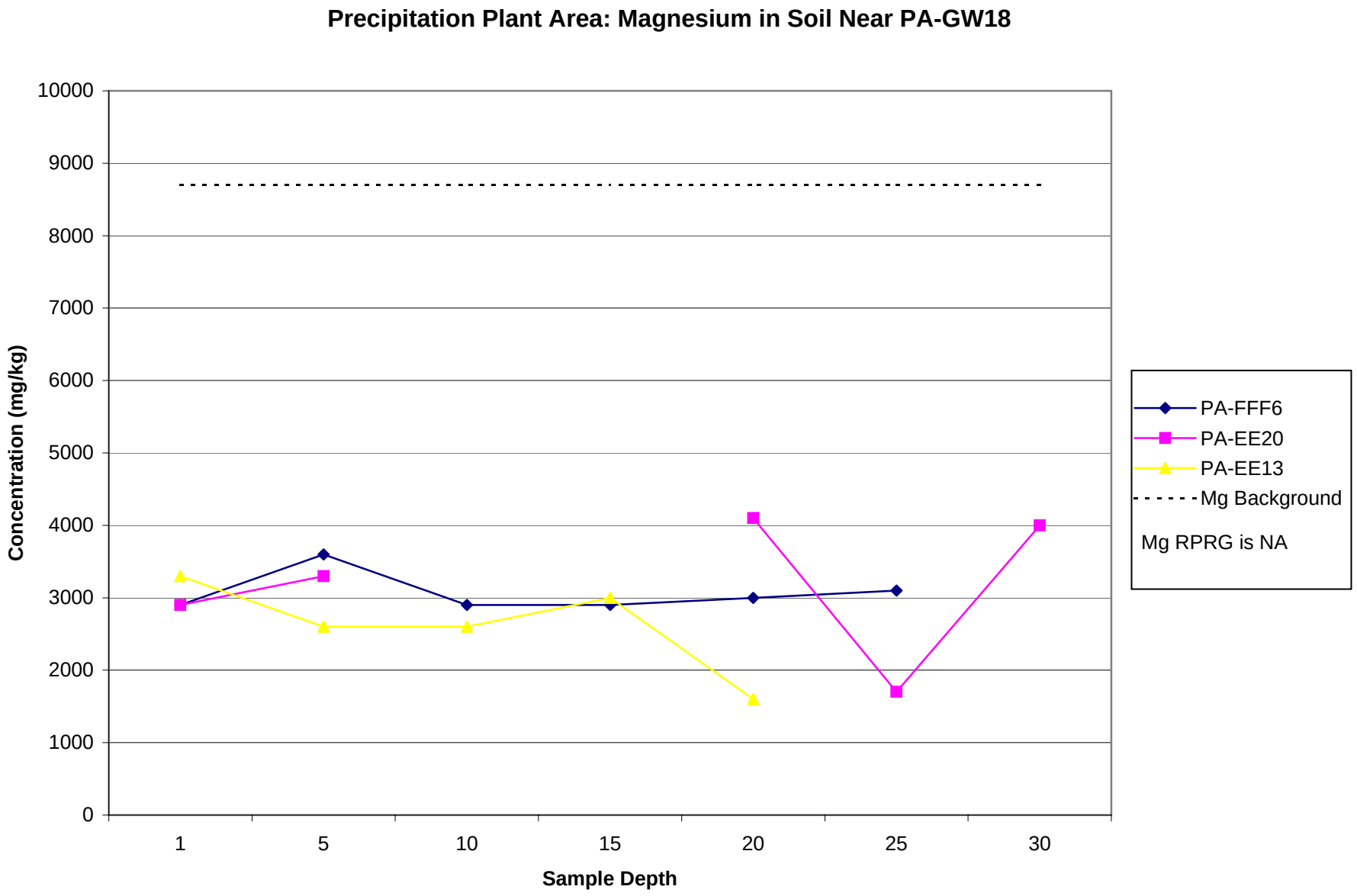

Precipitation Plant Area: Copper in Soil Near PA-GW18
Concentraiton (ug/kg)
200000
180000
160000
140000
120000
100000
80000
60000
40000
20000
0
1
5
10
15
20
25
30
Sample Depth
PA-FFF6
PA-EE20
PA-EE13
Cu Background
Cu RPRG =
3,100,000 ug/kg

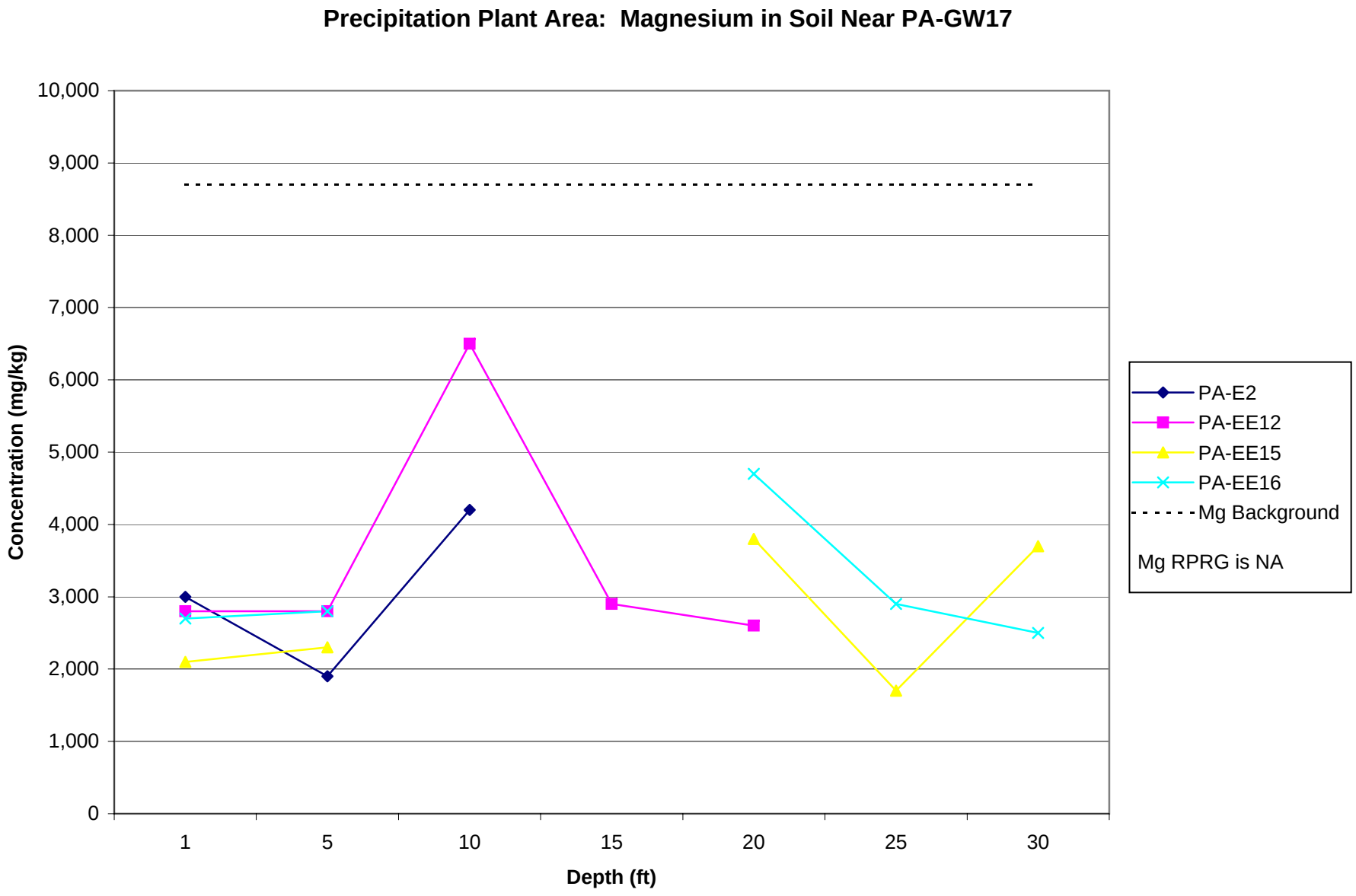

Precipitation Plant Area: Iron in Soil Near PA-GW17
30,000
25,000
20,000
15,000
10,000
5,000
0
Concentration (mg/kg)
1
5
10
15
20
25
30
Depth
PA-E2
PA-EE12
PA-EE15
PA-EE16
Fe Background
Fe RPRG

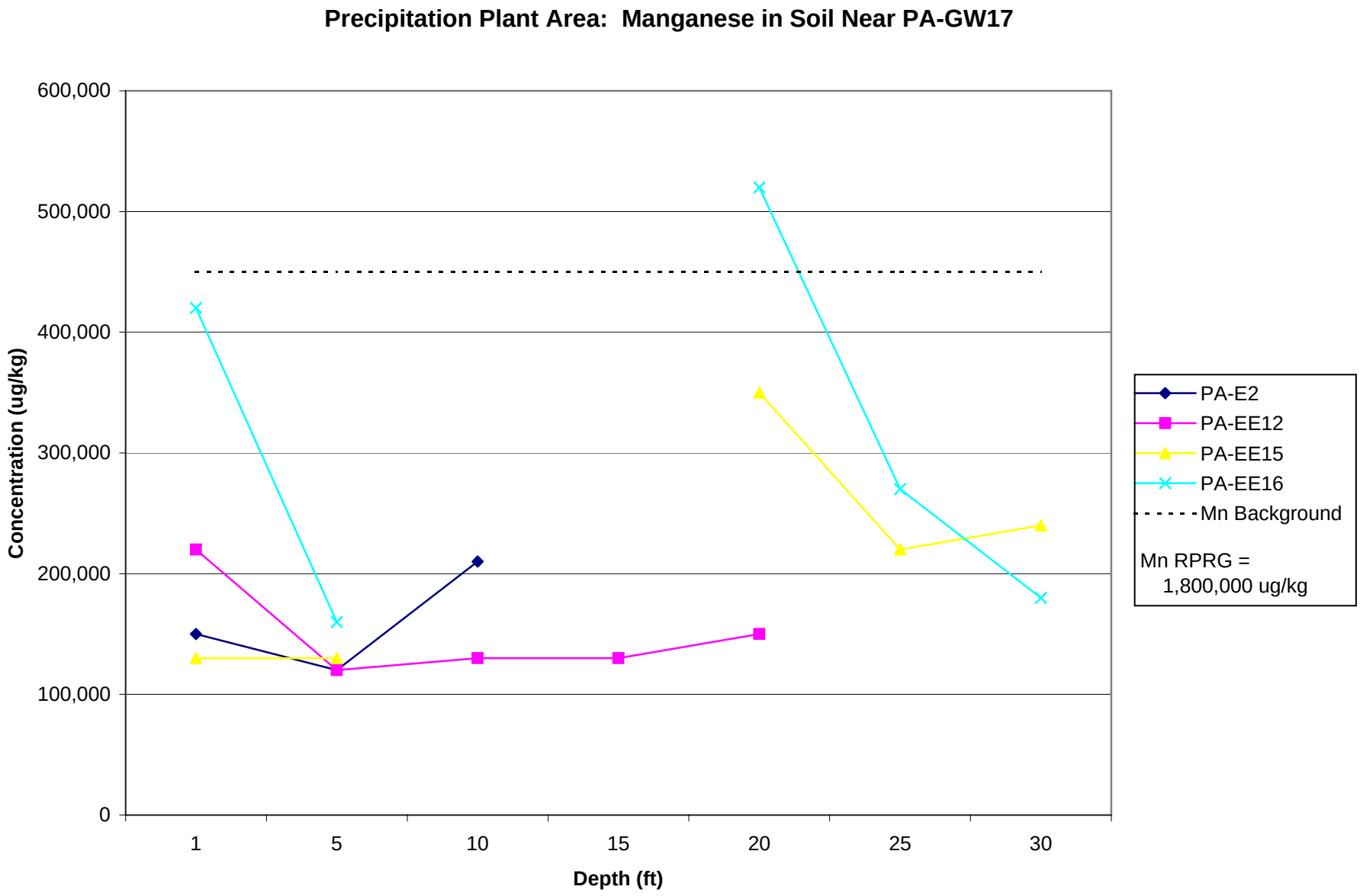

Precipitation Plant Area: Iron in Soil Near PA-GW18
30000
25000
20000
15000
10000
5000
0
Concentration (mg/kg)
1
5
10
15
20
25
30
Sample Depth
PA-FFF6
PA-EE20
PA-EE13
Fe RPRG
Fe Background

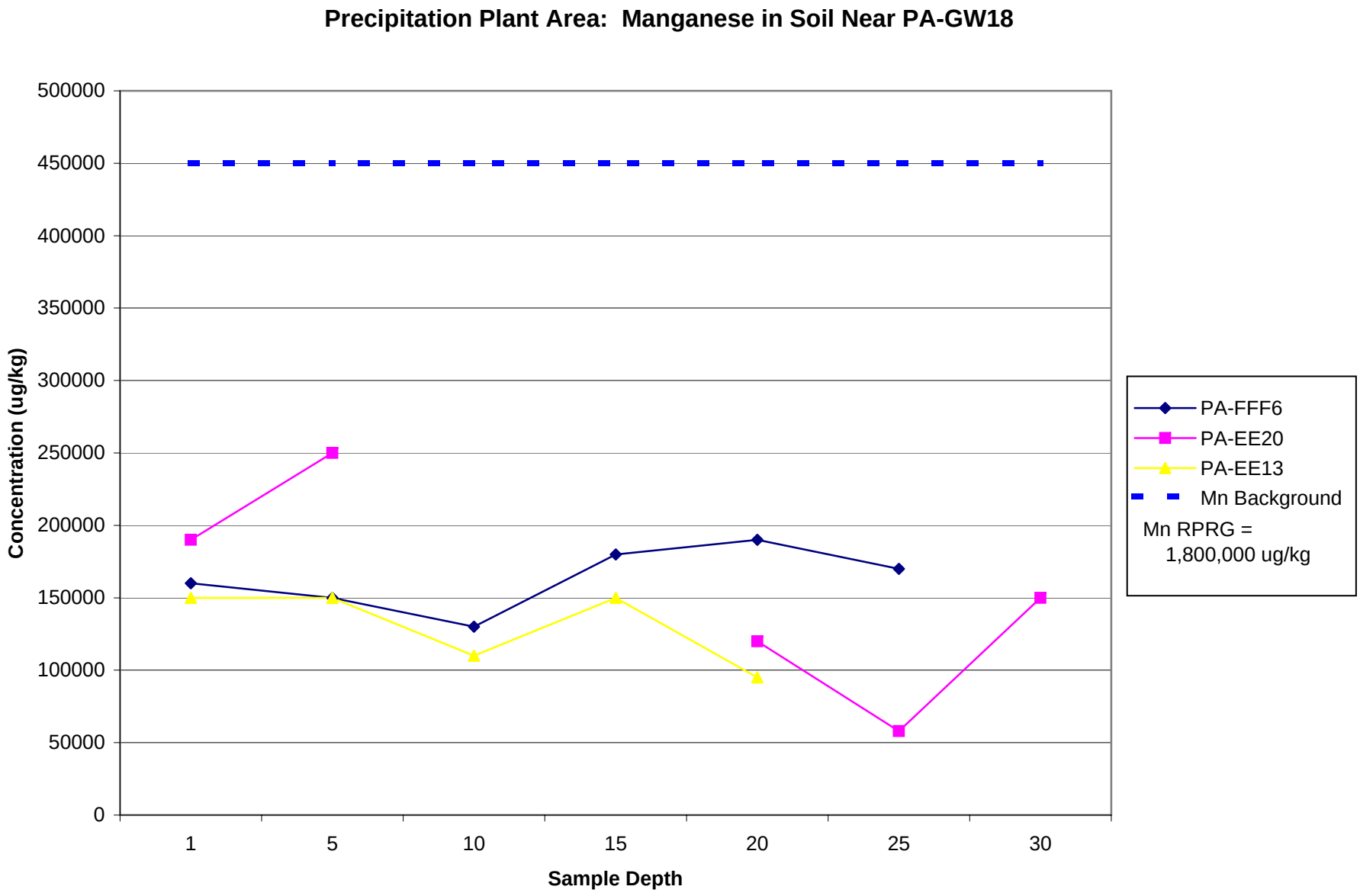

Precipitation Plant Area: Lead in Soil Near PA-GW17
12,000
10,000
8,000
6,000
4,000
2,000
0
Concentration (ug/kg)
1
5
10
15
20
25
30
Depth
PA-E2
PA-EE12
PA-EE15
PA-EE16
Pb Background
Pb RPRG =
400,000 ug/kg

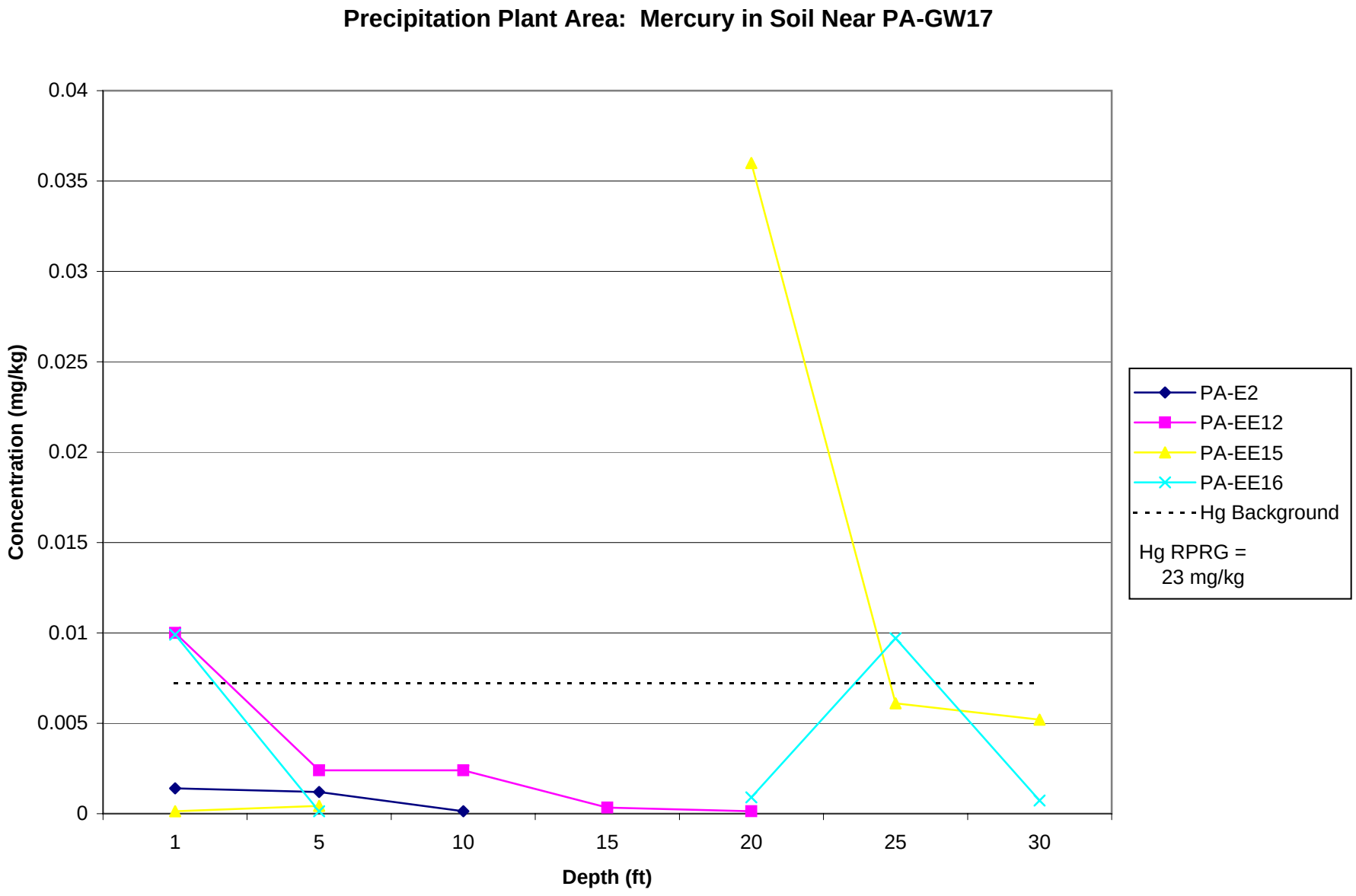

Precipitation Plant Area: Lead in Soil Near PA-GW18
12000
10000
8000
6000
4000
2000
0
Concentration (ug/kg)
1
5
10
15
20
25
30
Sample Depth
PA-FFF6
PA-EE20
PA-EE13
Pb Background
Pb RPRG =
400,000 ug/kg

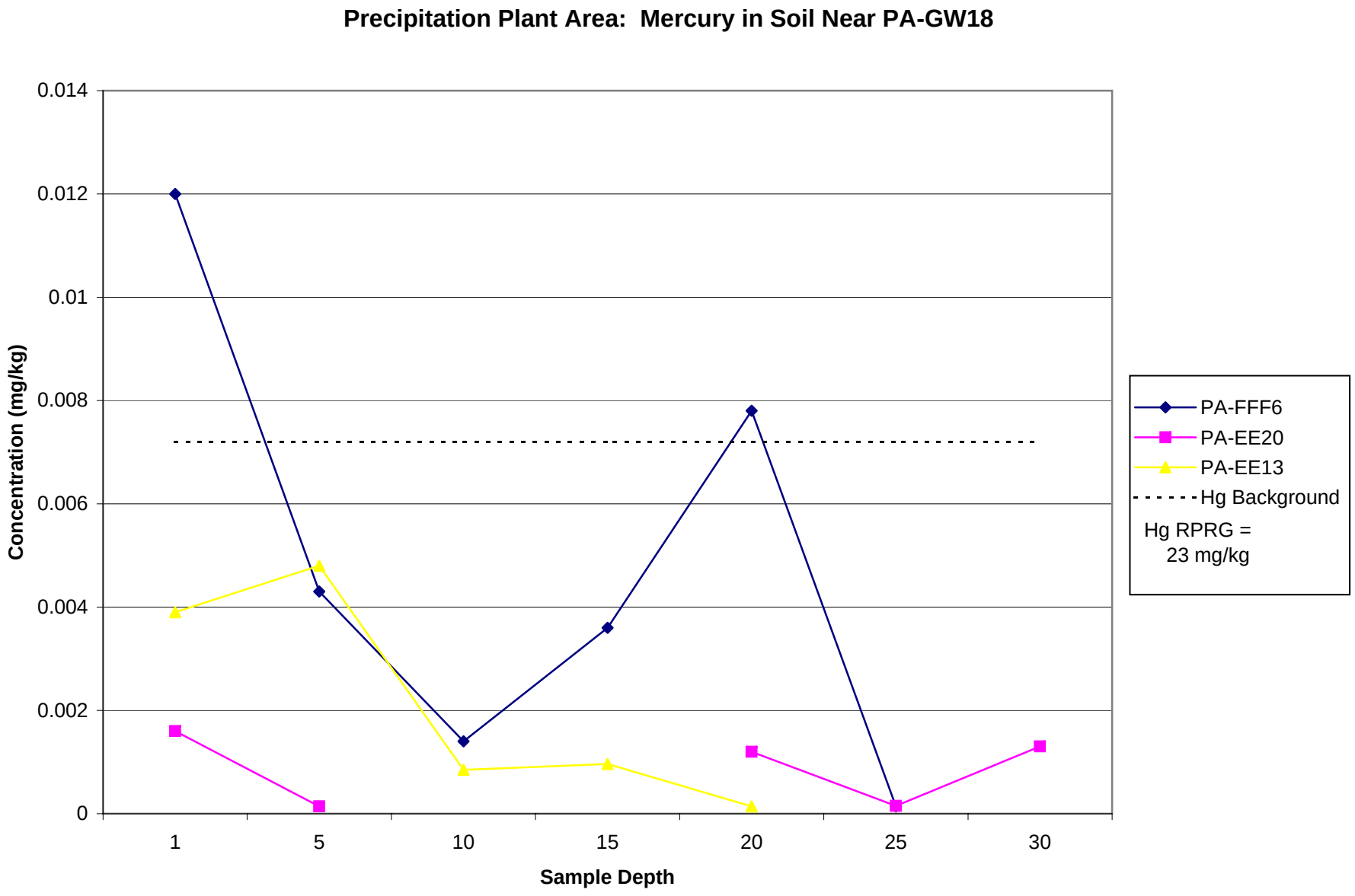

Precipitation Plant Area: Magnesium in Soil Near PA-GW18
Concentration (mg/kg)
10000
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
1
5
10
15
20
25
30
Sample Depth
PA-FFF6
PA-EE20
PA-EE13
Mg Background
Mg RPRG is NA

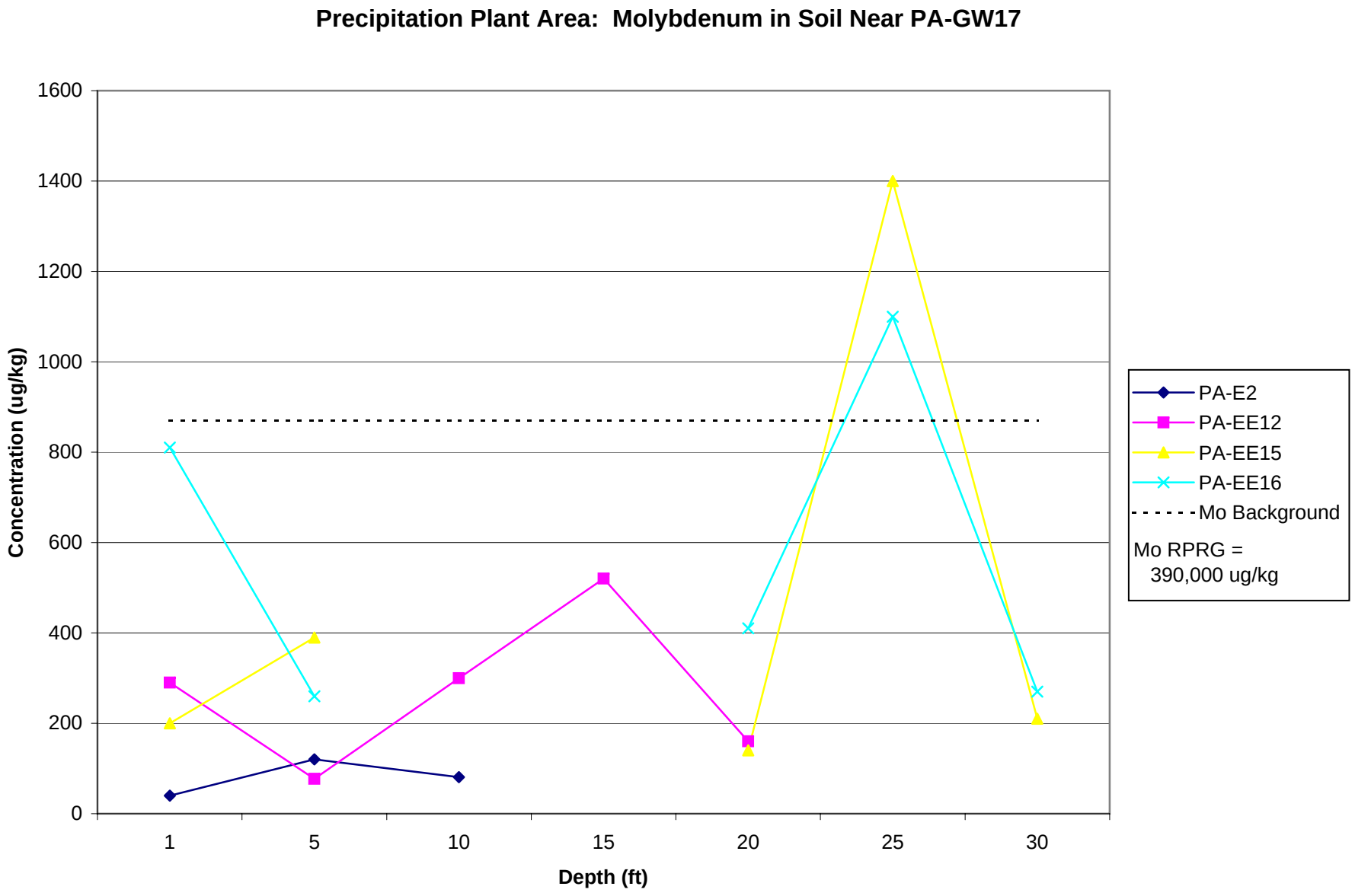

Precipitation Plant Area: Magnesium in Soil Near PA-GW17
Concentration (mg/kg)
10,000
9,000
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
1
5
10
15
20
25
30
Depth (ft)
PA-E2
PA-EE12
PA-EE15
PA-EE16
Mg Background
Mg RPRG is NA

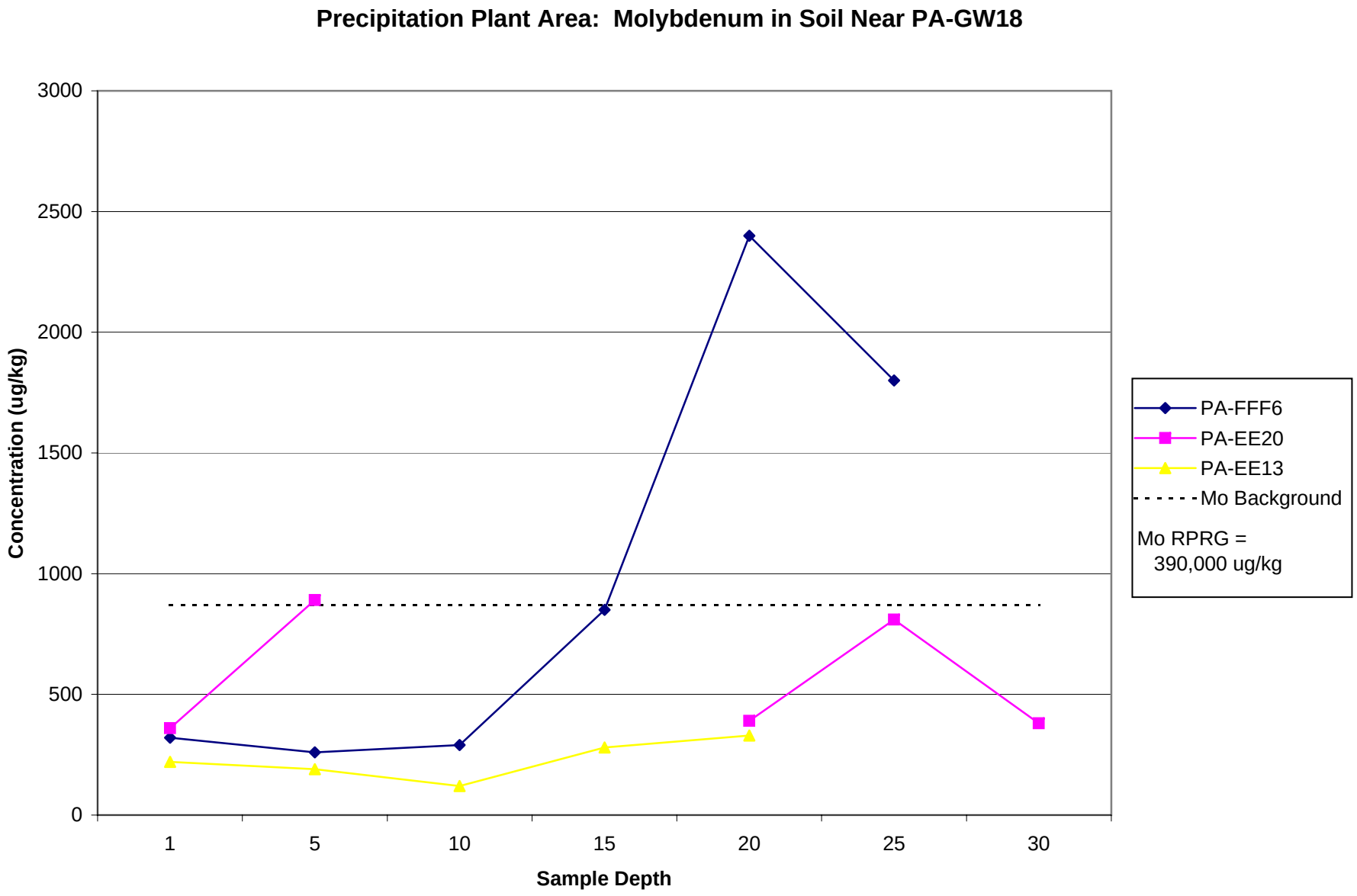

Precipitation Plant Area: Manganese in Soil Near PA-GW17
600,000
500,000
400,000
300,000
200,000
100,000
0
Concentration (ug/kg)
1
5
10
15
20
25
30
Depth (ft)
PA-E2
PA-EE12
PA-EE15
PA-EE16
Mn Background
Mn RPRG =
1,800,000 ug/kg

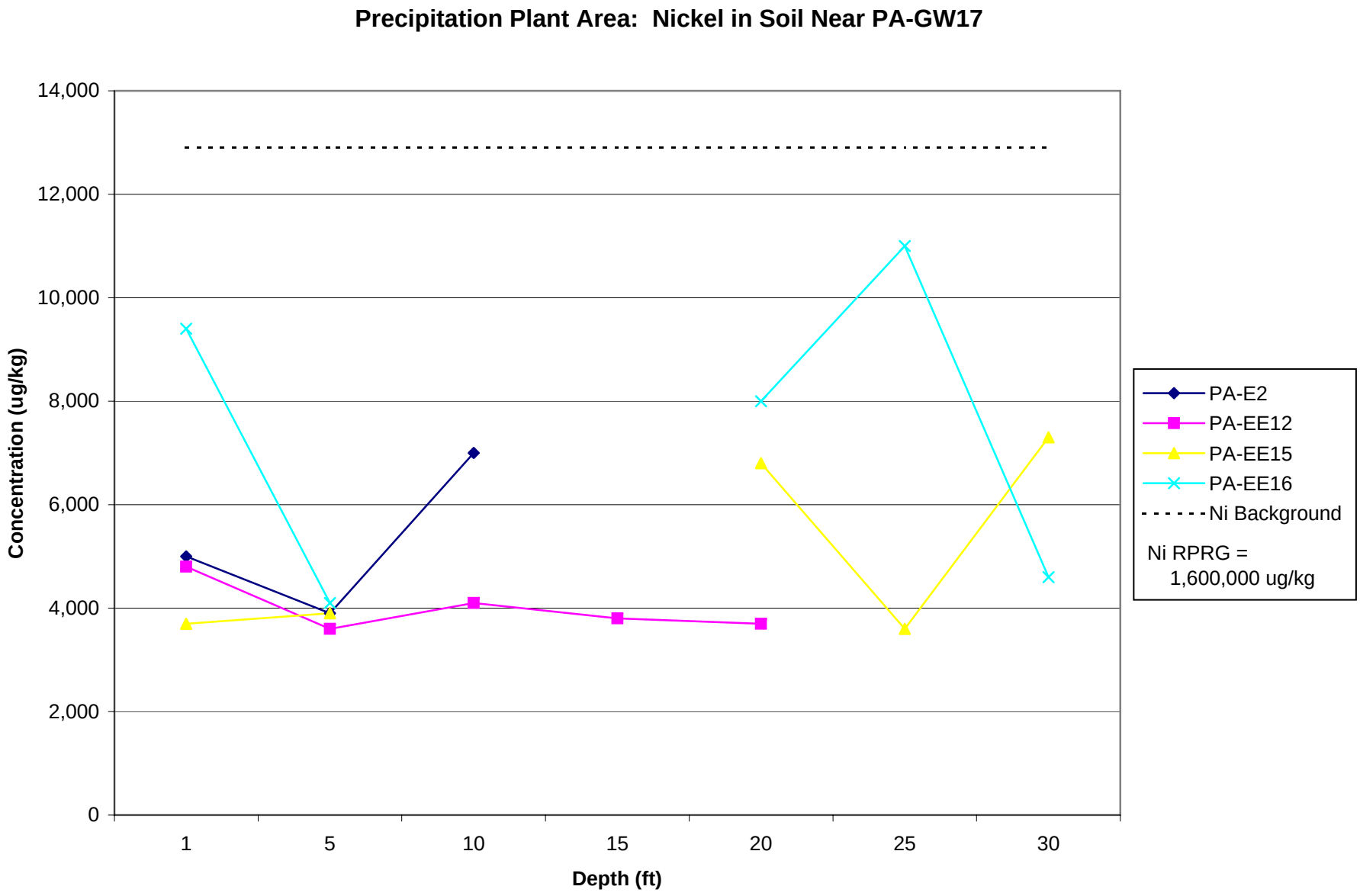

Precipitation Plant Area: Manganese in Soil Near PA-GW18
Concentration (ug/kg)
500000
450000
400000
350000
300000
250000
200000
150000
100000
50000
0
1
5
10
15
20
25
30
Sample Depth
PA-FFF6
PA-EE20
PA-EE13
Mn Background
Mn RPRG =
1,800,000 ug/kg

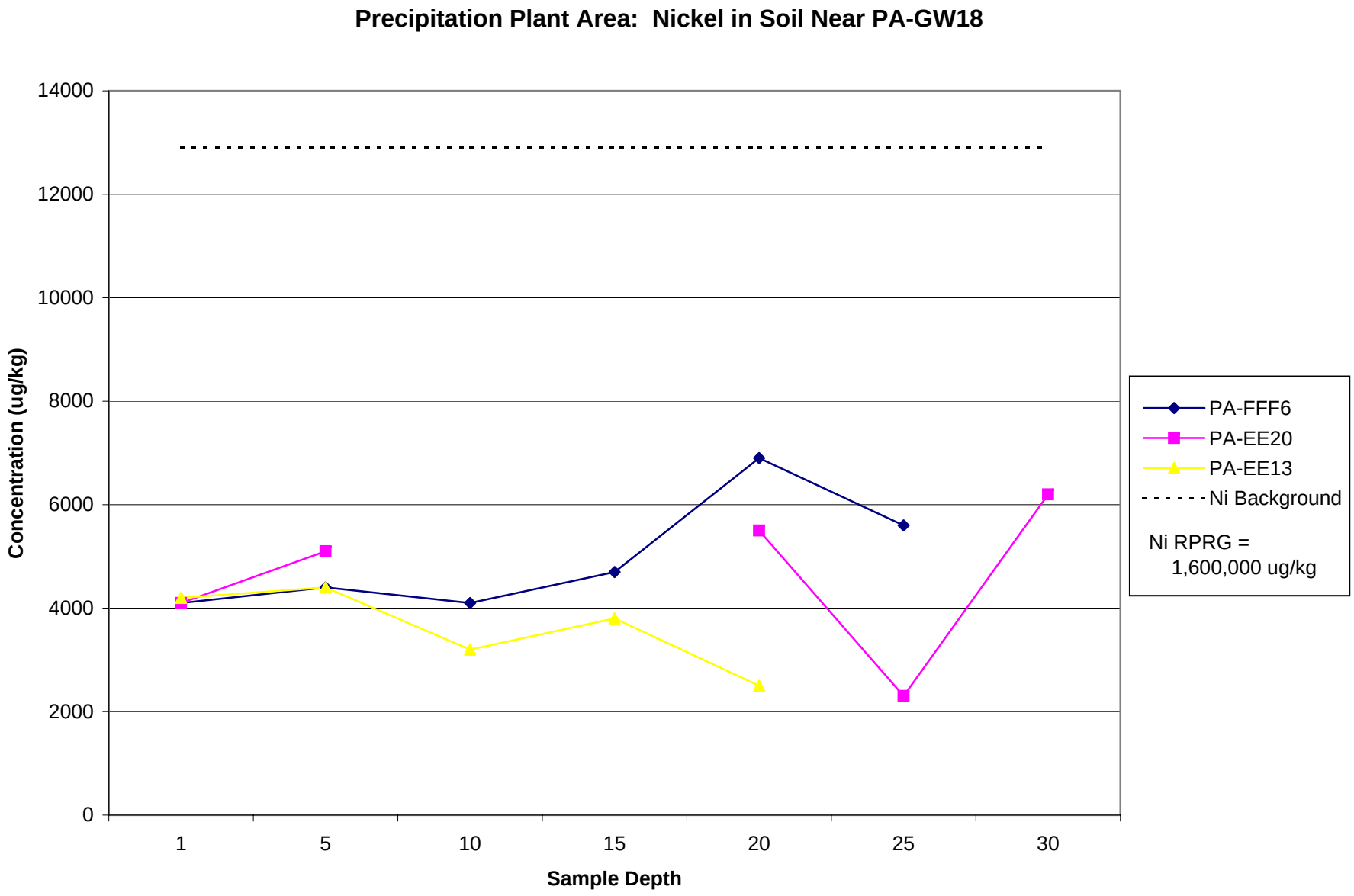

Precipitation Plant Area: Mercury in Soil Near PA-GW17
Concentration (mg/kg)
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
1
5
10
15
20
25
30
Depth (ft)
PA-E2
PA-EE12
PA-EE15
PA-EE16
Hg Background
Hg RPRG =
23 mg/kg

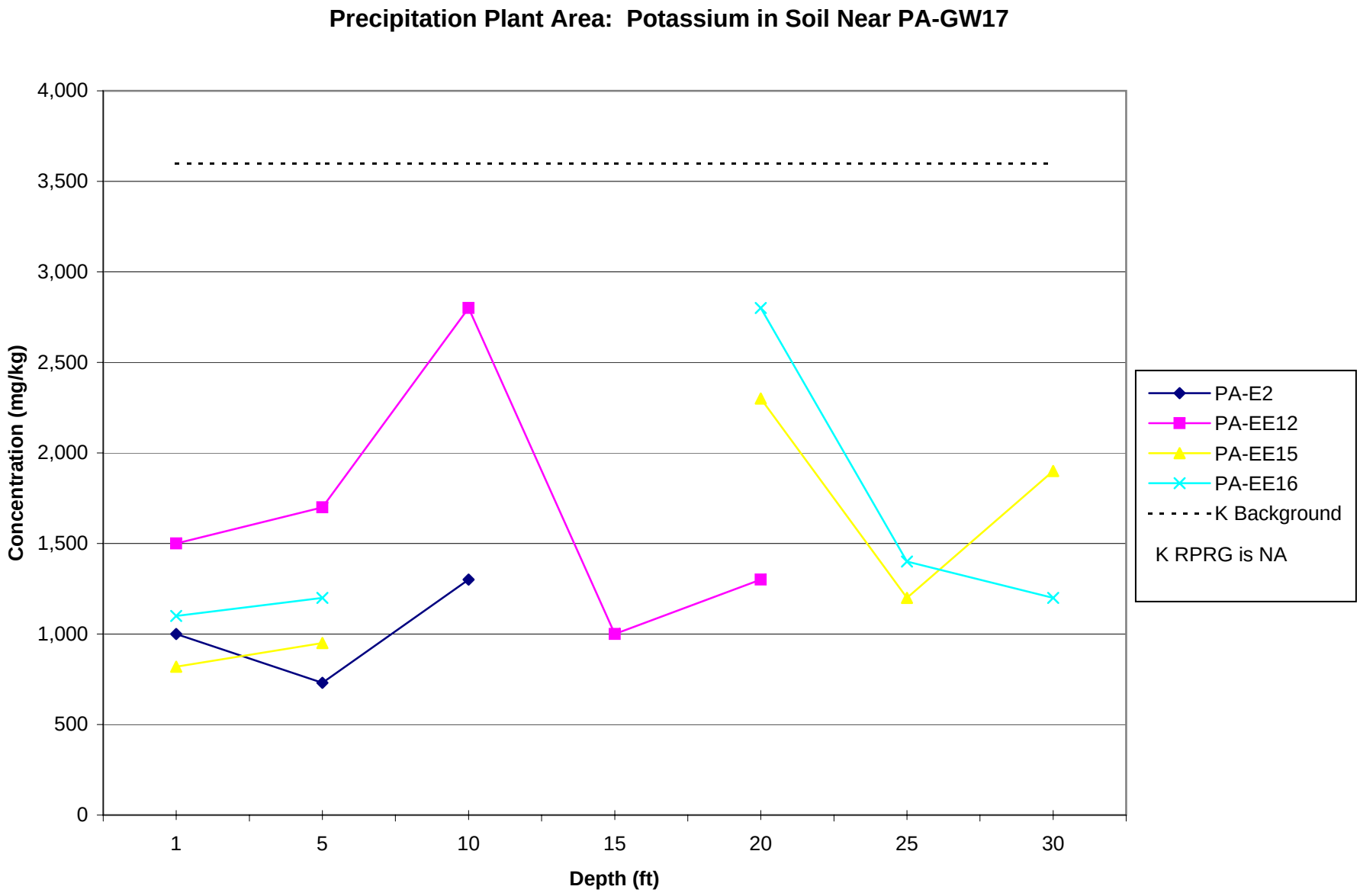

Precipitation Plant Area: Mercury in Soil Near PA-GW18
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
Concentration (mg/kg)
1
5
10
15
20
25
30
Sample Depth
PA-FFF6
PA-EE20
PA-EE13
Hg Background
Hg RPRG =
23 mg/kg

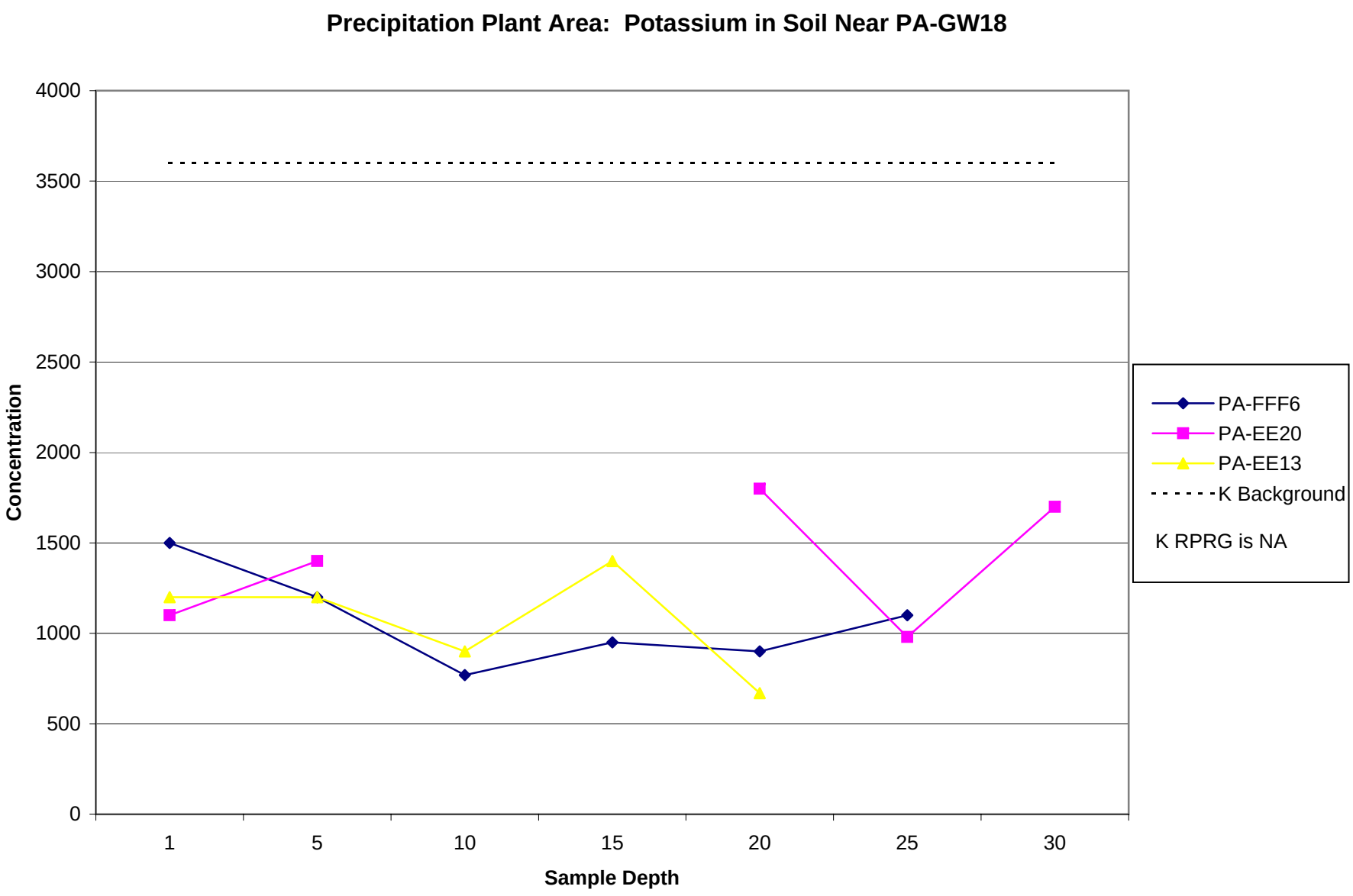

Precipitation Plant Area: Molybdenum in Soil Near PA-GW17
Concentration (ug/kg)
1600
1400
1200
1000
800
600
400
200
0
1
5
10
15
20
25
30
Depth (ft)
PA-E2
PA-EE12
PA-EE15
PA-EE16
Mo Background
Mo RPRG =
390,000 ug/kg

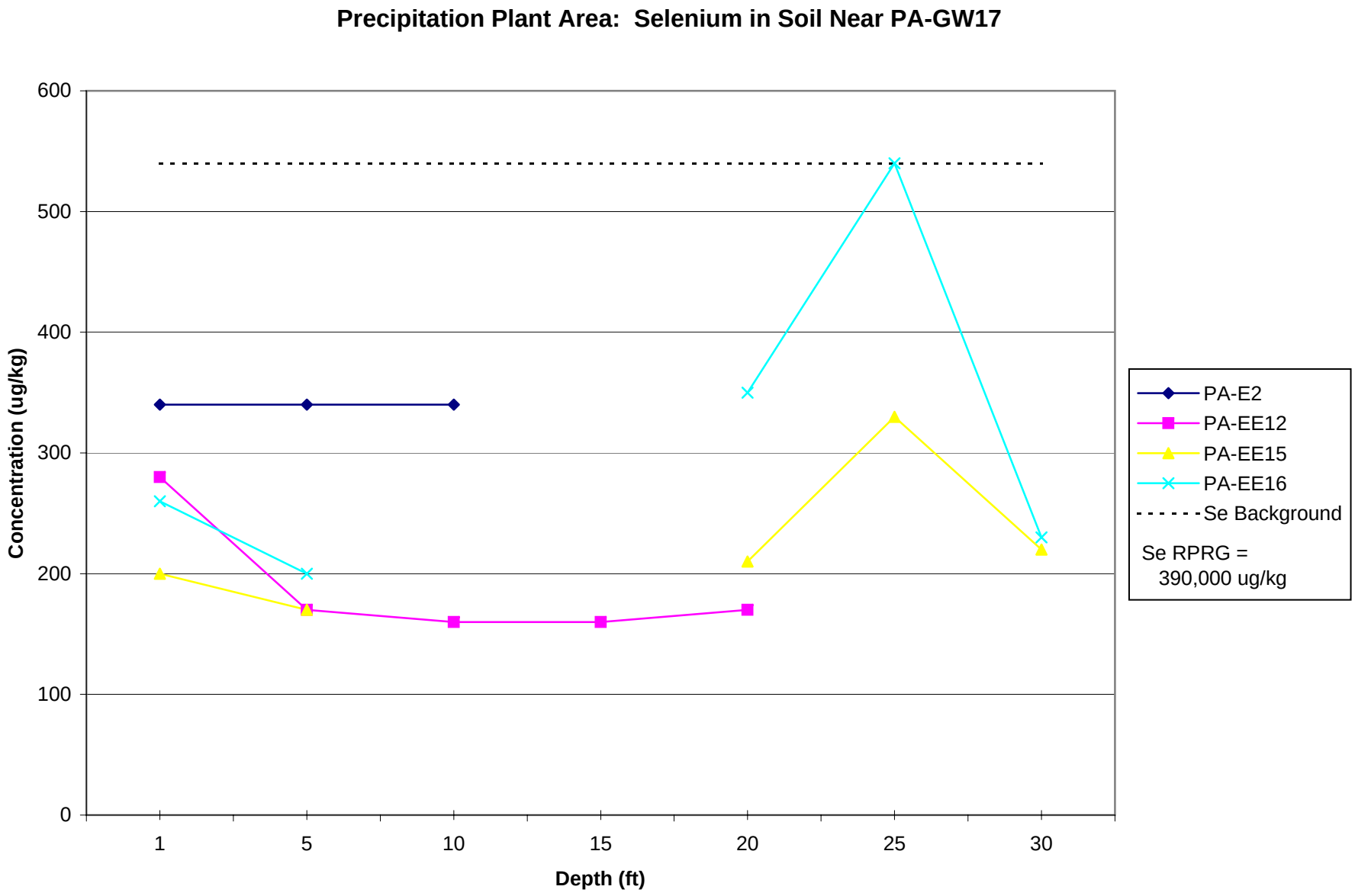

Precipitation Plant Area: Molybdenum in Soil Near PA-GW18
Concentration (ug/kg)
3000
2500
2000
1500
1000
500
0
1
5
10
15
20
25
30
Sample Depth
PA-FFF6
PA-EE20
PA-EE13
Mo Background
Mo RPRG =
390,000 ug/kg

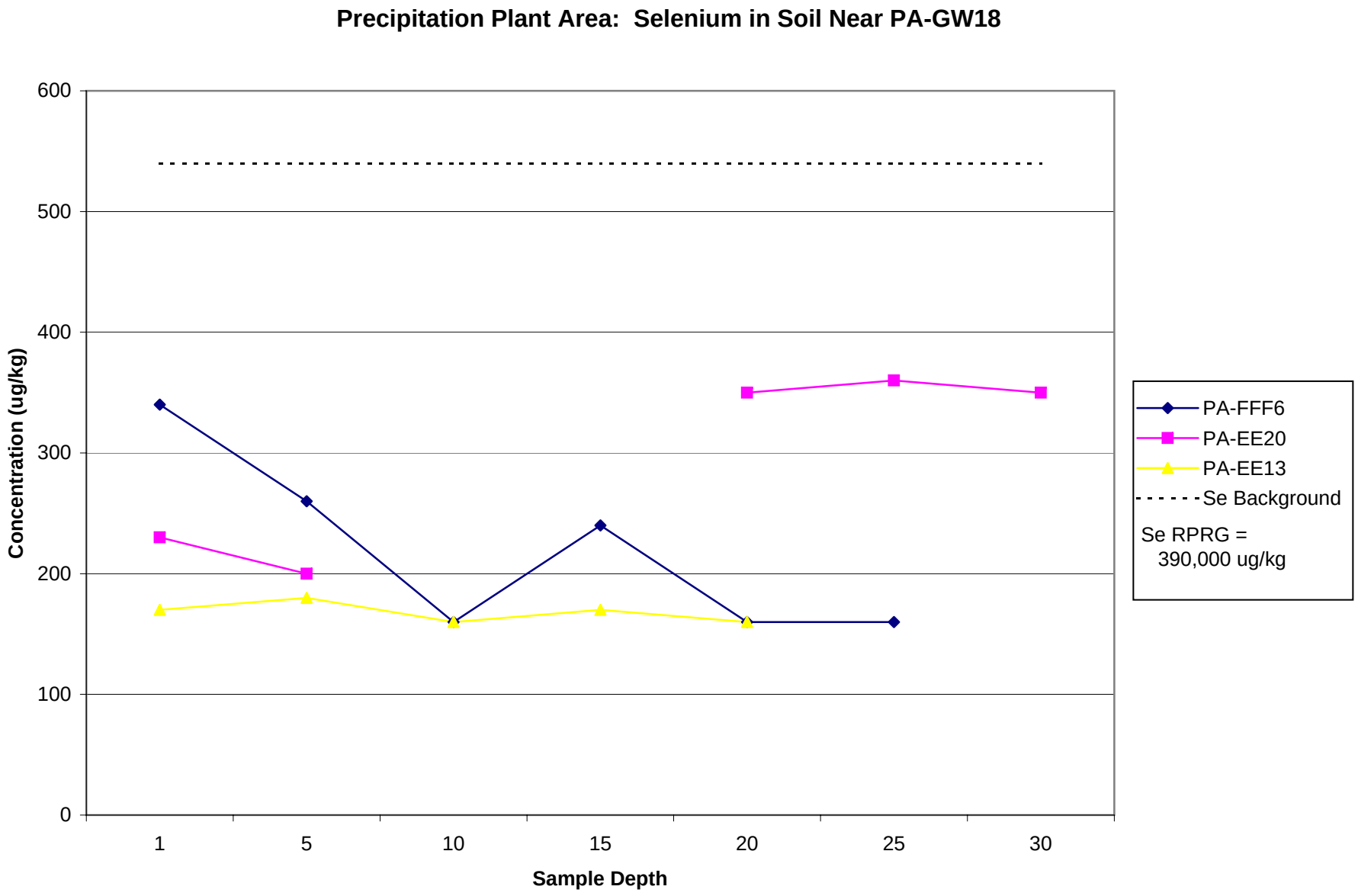

Precipitation Plant Area: Nickel in Soil Near PA-GW17
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
Concentration (ug/kg)
1
5
10
15
20
25
30
Depth (ft)
PA-E2
PA-EE12
PA-EE15
PA-EE16
Ni Background
Ni RPRG =
1,600,000 ug/kg

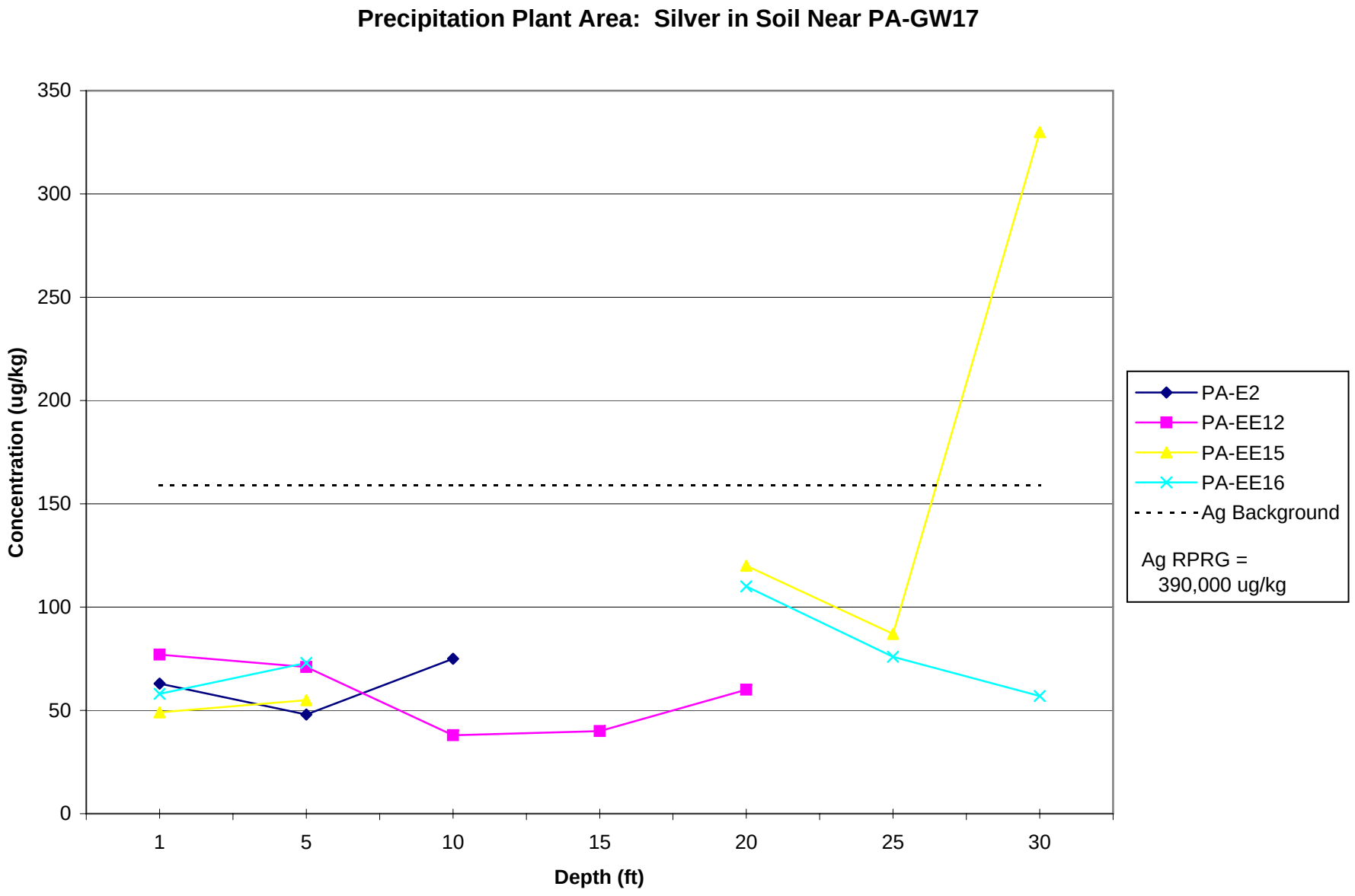

Precipitation Plant Area: Nickel in Soil Near PA-GW18
14000
12000
10000
8000
6000
4000
2000
0
Concentration (ug/kg)
1
5
10
15
20
25
30
Sample Depth
PA-FFF6
PA-EE20
PA-EE13
Ni Background
Ni RPRG =
1,600,000 ug/kg

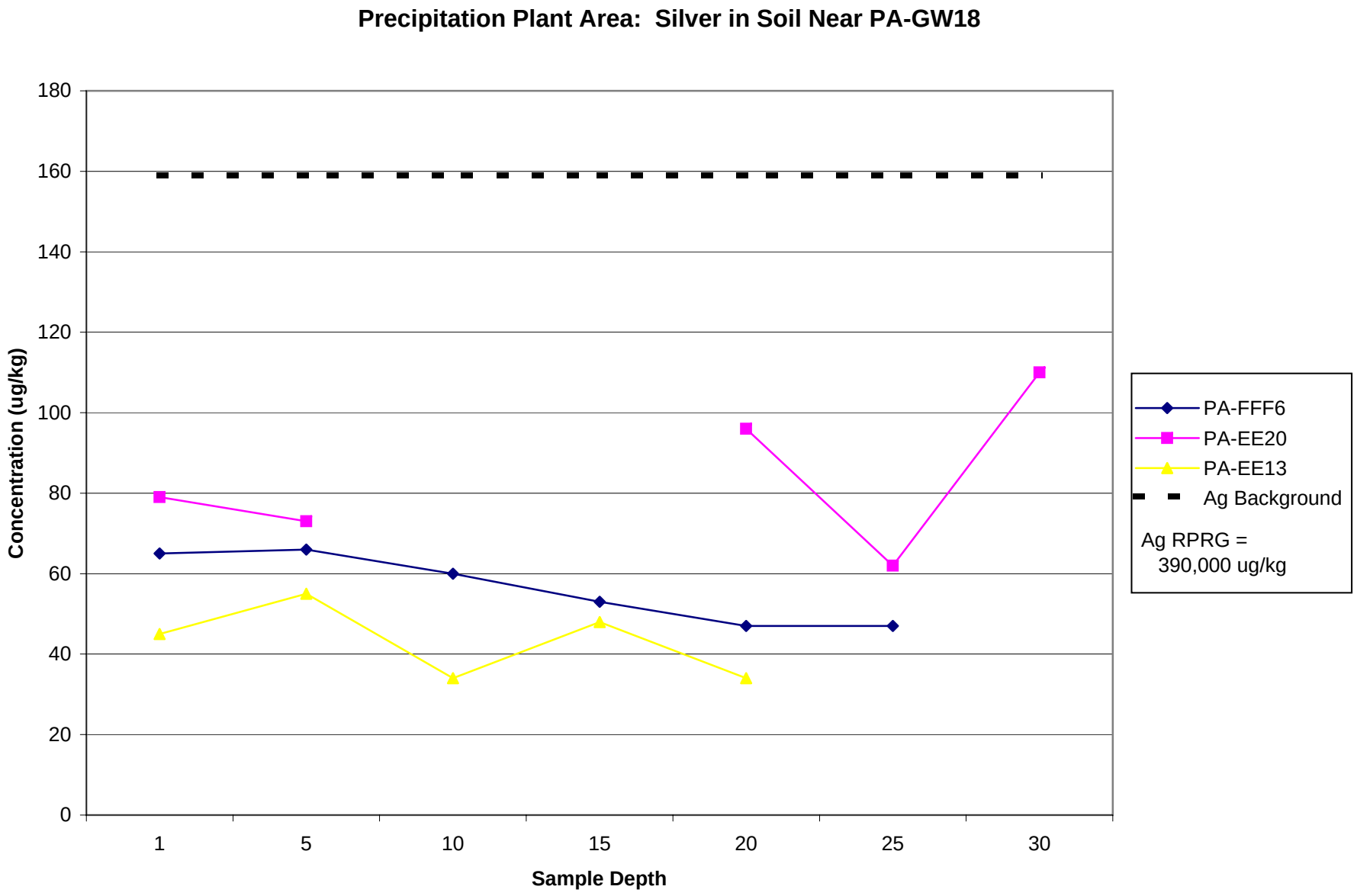

Precipitation Plant Area: Potassium in Soil Near PA-GW17
Concentration (mg/kg)
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
0
1
5
10
15
20
25
30
Depth (ft)
PA-E2
PA-EE12
PA-EE15
PA-EE16
K Background
K RPRG is NA

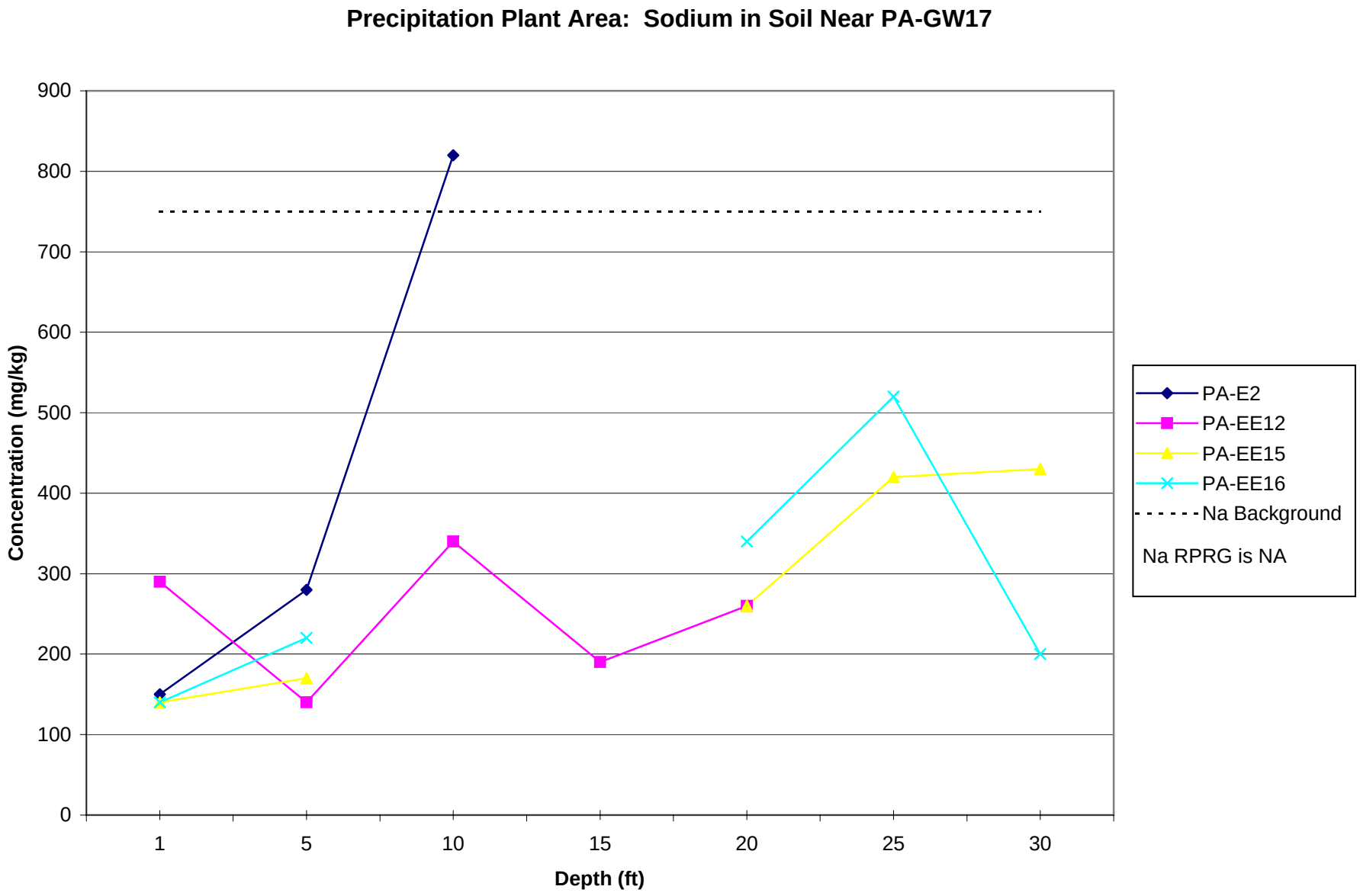

Precipitation Plant Area: Potassium in Soil Near PA-GW18
Concentration
4000
3500
3000
2500
2000
1500
1000
500
0
1
5
10
15
20
25
30
Sample Depth
PA-FFF6
PA-EE20
PA-EE13
K Background
K RPRG is NA

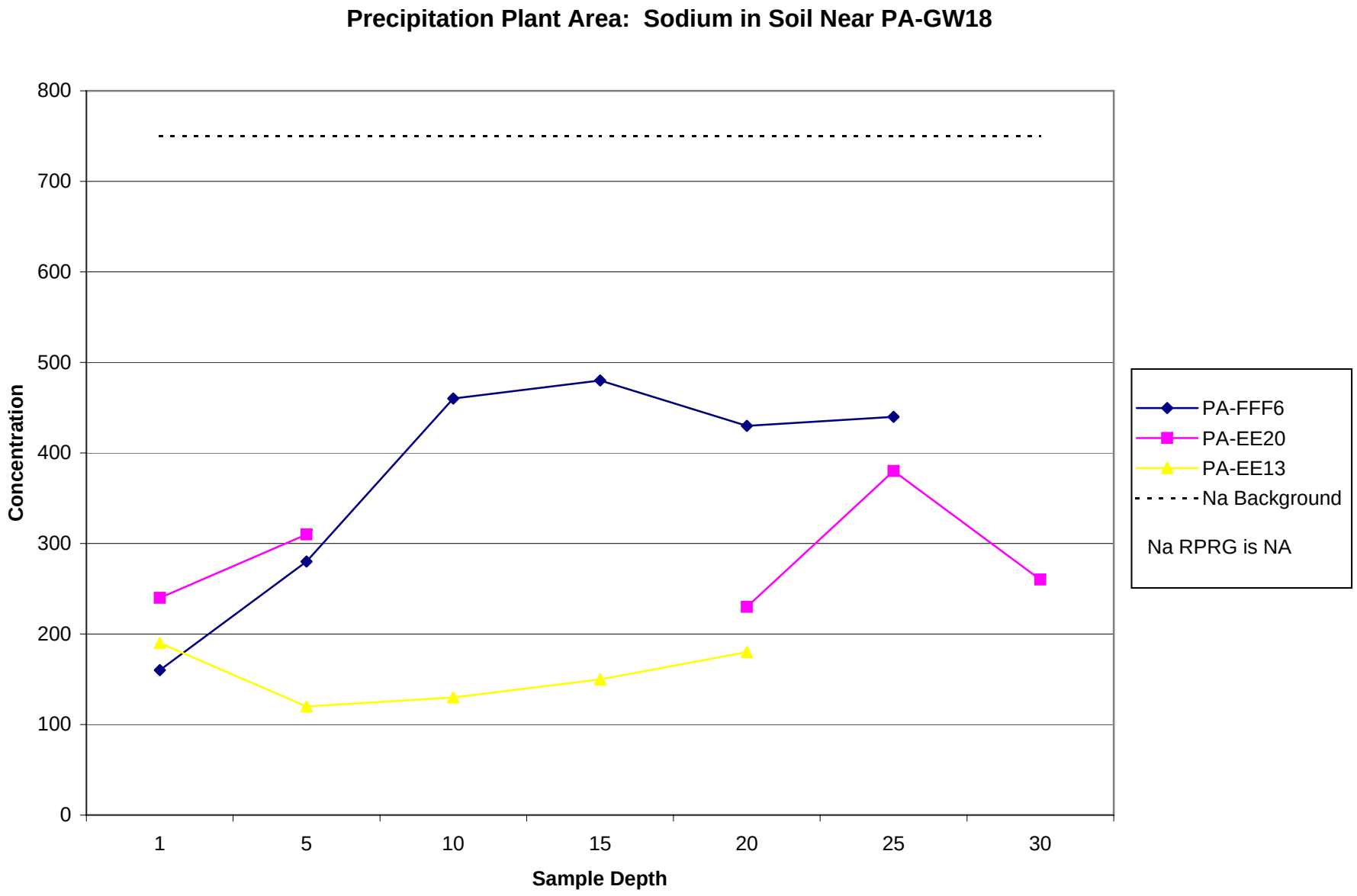

Precipitation Plant Area: Selenium in Soil Near PA-GW17
Concentration (ug/kg)
600
500
400
300
200
100
0
1
5
10
15
20
25
30
Depth (ft)
PA-E2
PA-EE12
PA-EE15
PA-EE16
Se Background
Se RPRG =
390,000 ug/kg

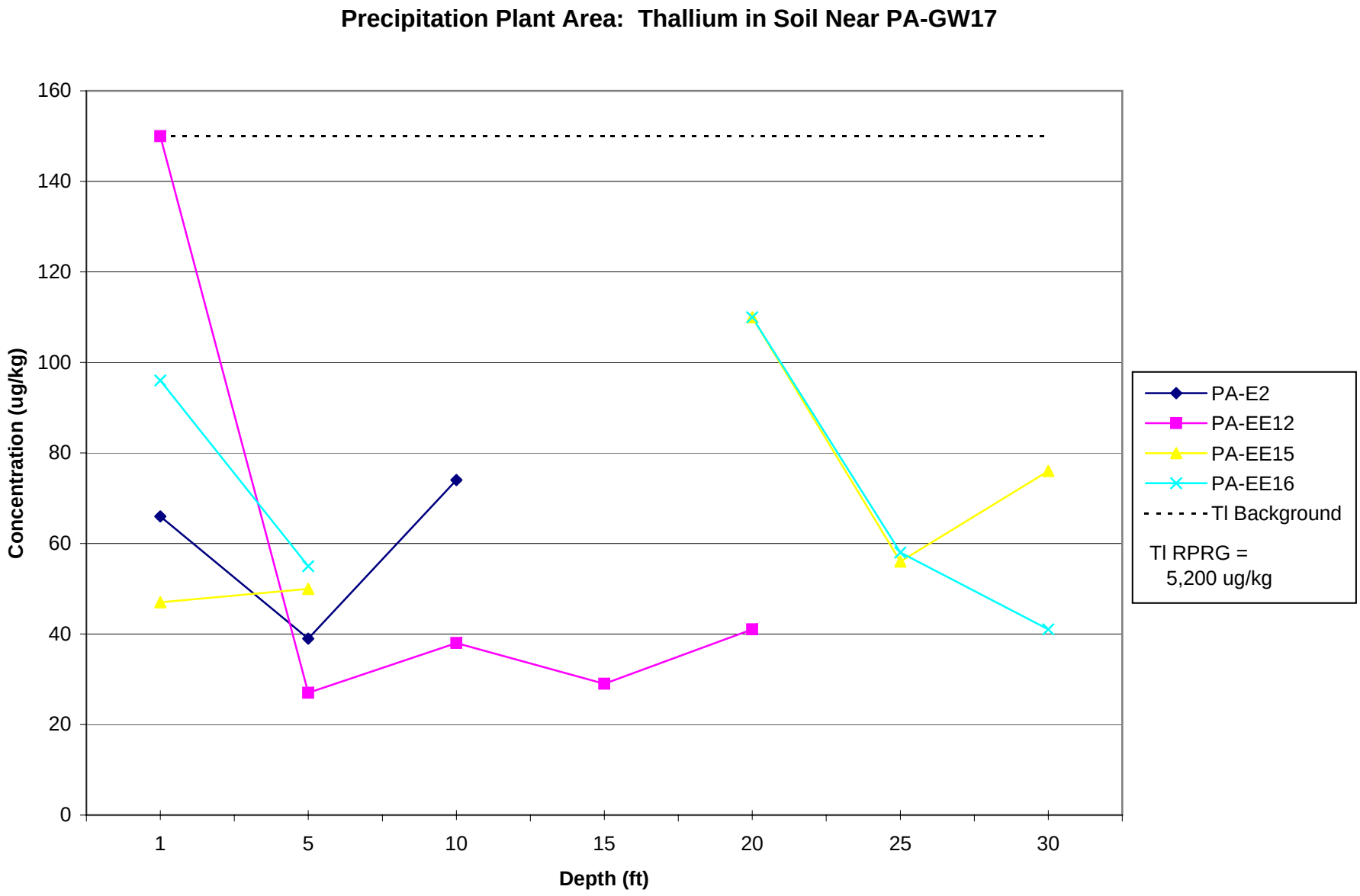

Precipitation Plant Area: Selenium in Soil Near PA-GW18
600
500
400
300
200
100
0
Concentration (ug/kg)
1
5
10
15
20
25
30
Sample Depth
PA-FFF6
PA-EE20
PA-EE13
Se Background
Se RPRG =
390,000 ug/kg

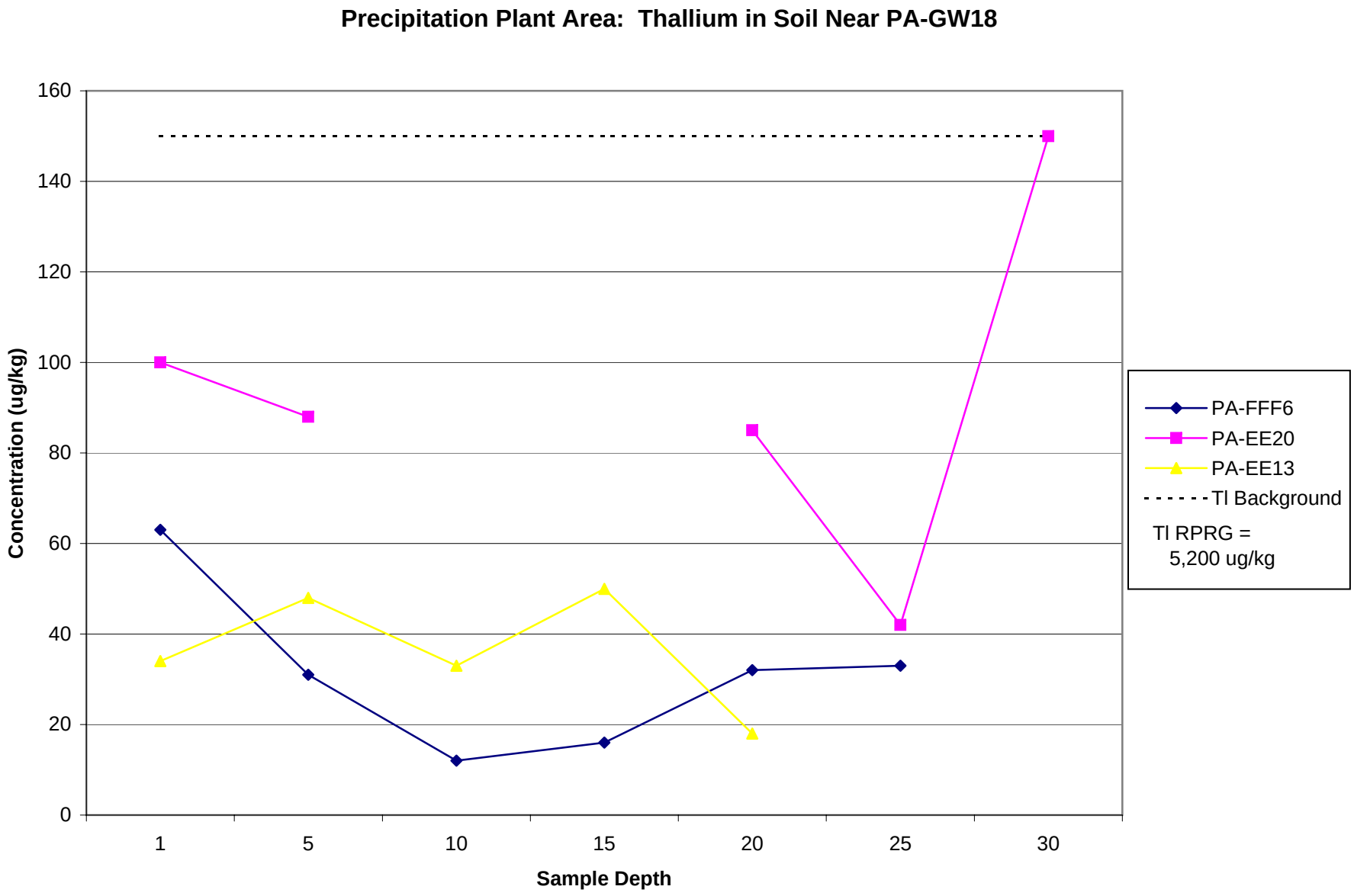

Precipitation Plant Area: Silver in Soil Near PA-GW17
Concentration (ug/kg)
350
300
250
200
150
100
50
0
1
5
10
15
20
25
30
Depth (ft)
PA-E2
PA-EE12
PA-EE15
PA-EE16
Ag Background
Ag RPRG =
390,000 ug/kg

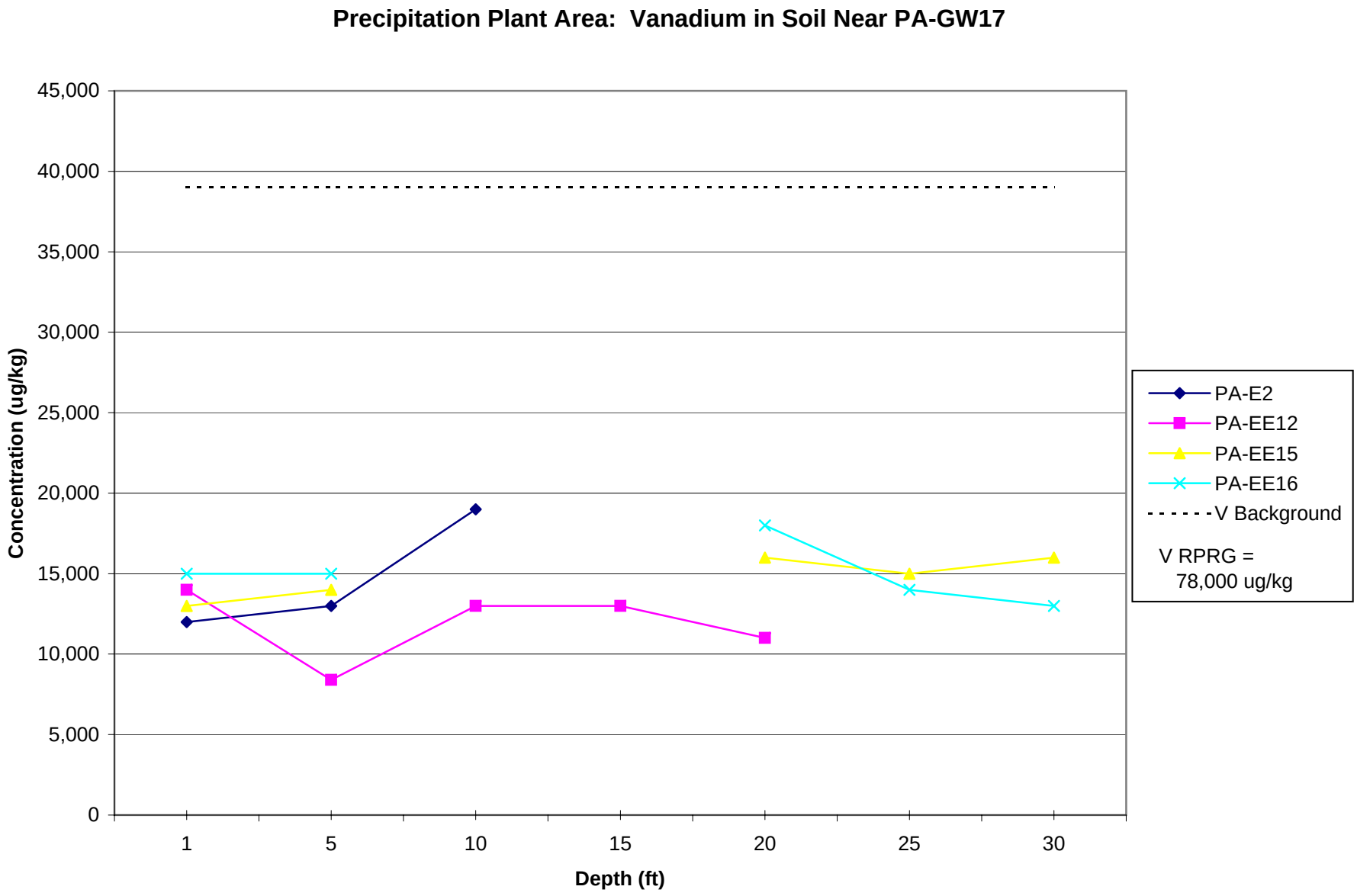

Precipitation Plant Area: Silver in Soil Near PA-GW18
Concentration (ug/kg)
180
160
140
120
100
80
60
40
20
0
1
5
10
15
20
25
30
Sample Depth
PA-FFF6
PA-EE20
PA-EE13
Ag Background
Ag RPRG =
390,000 ug/kg

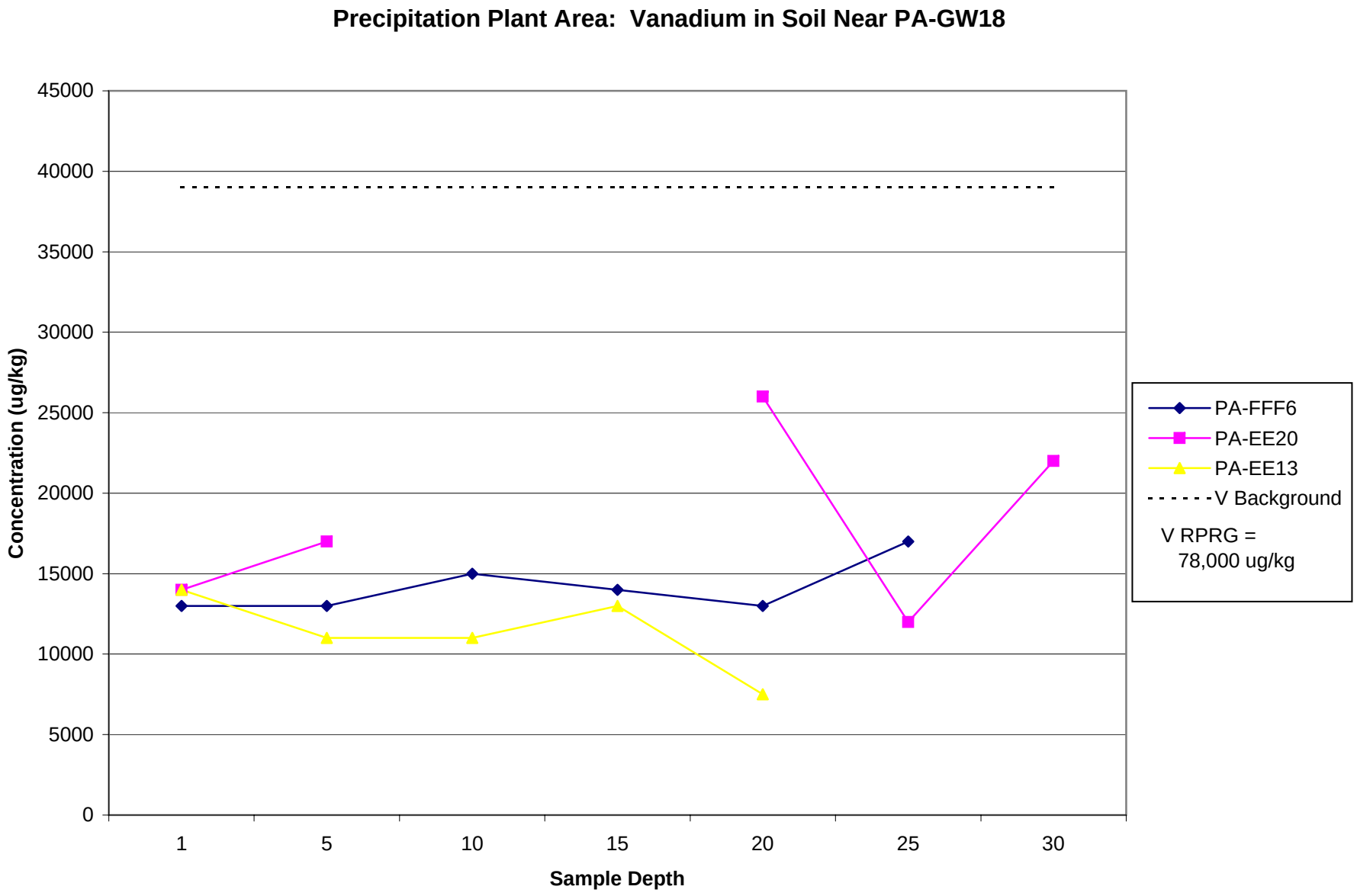

Precipitation Plant Area: Sodium in Soil Near PA-GW17
Concentration (mg/kg)
900
800
700
600
500
400
300
200
100
0
1
5
10
15
20
25
30
Depth (ft)
PA-E2
PA-EE12
PA-EE15
PA-EE16
Na Background
Na RPRG is NA

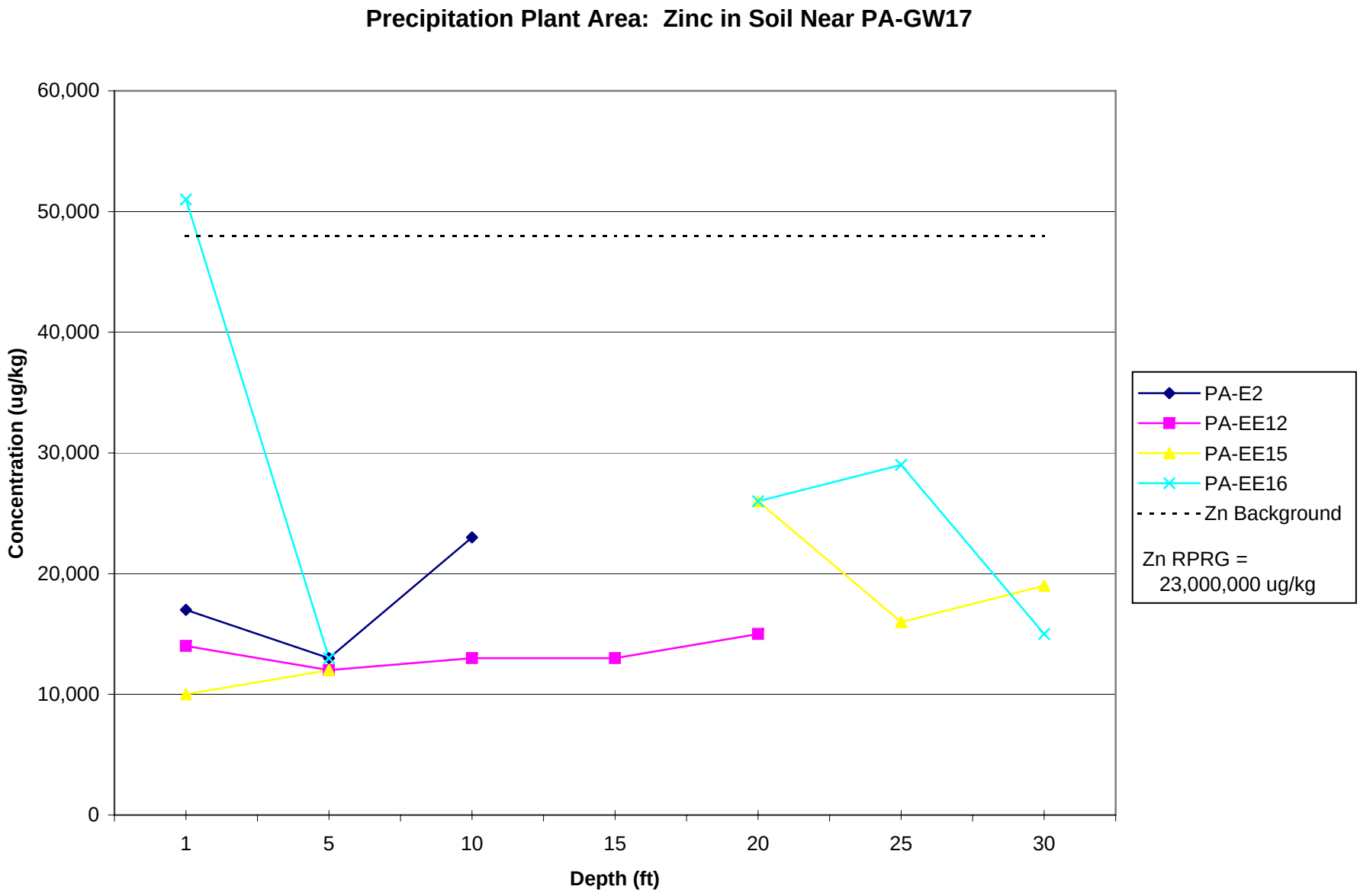

Precipitation Plant Area: Sodium in Soil Near PA-GW18
800
700
600
500
400
300
200
100
0
Concentration
1
5
10
15
20
25
30
Sample Depth
PA-FFF6
PA-EE20
PA-EE13
Na Background
Na RPRG is NA

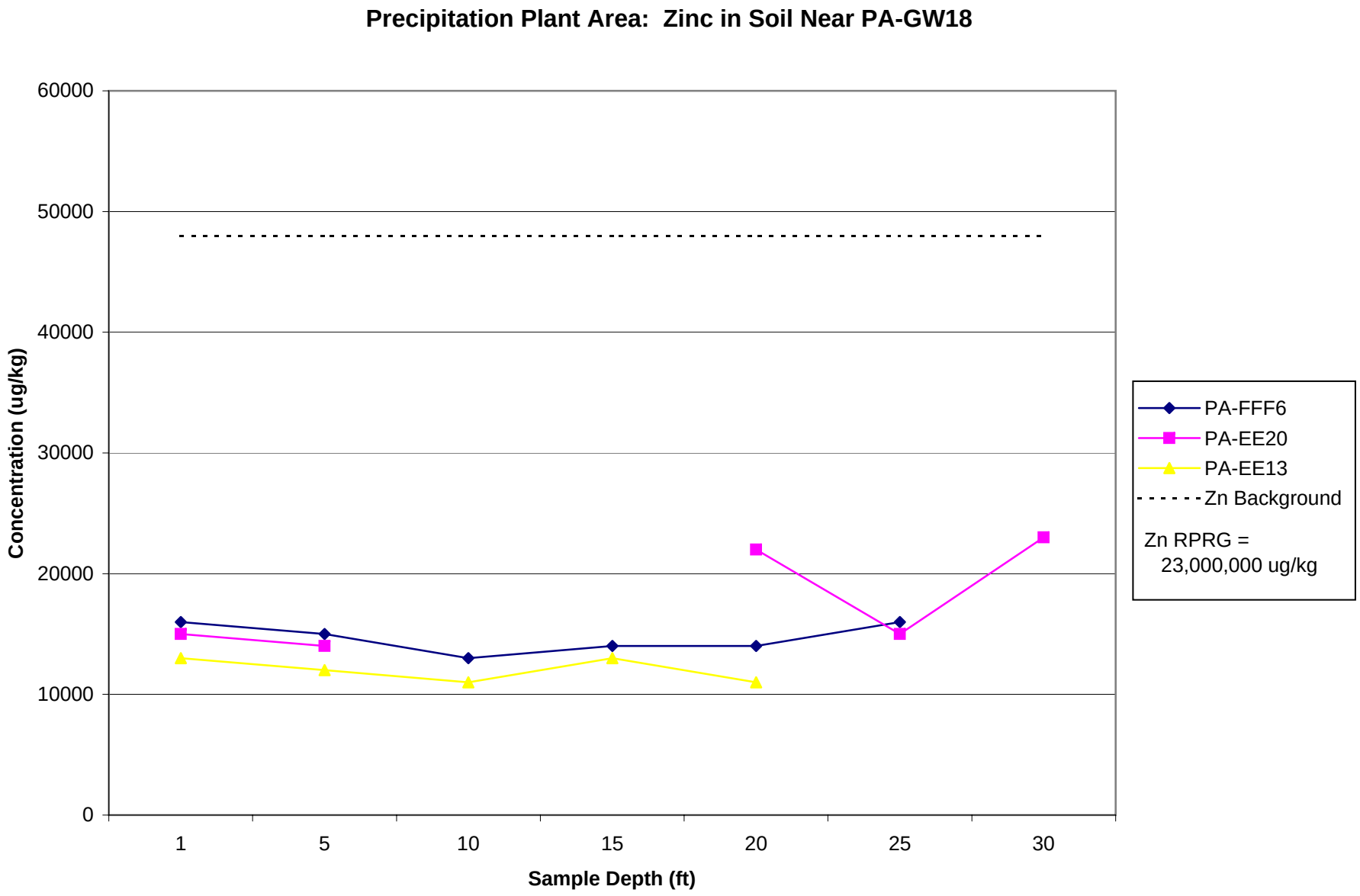

Precipitation Plant Area: Thallium in Soil Near PA-GW17
Concentration (ug/kg)
160
140
120
100
80
60
40
20
0
1
5
10
15
20
25
30
Depth (ft)
PA-E2
PA-EE12
PA-EE15
PA-EE16
Tl Background
Tl RPRG =
5,200 ug/kg

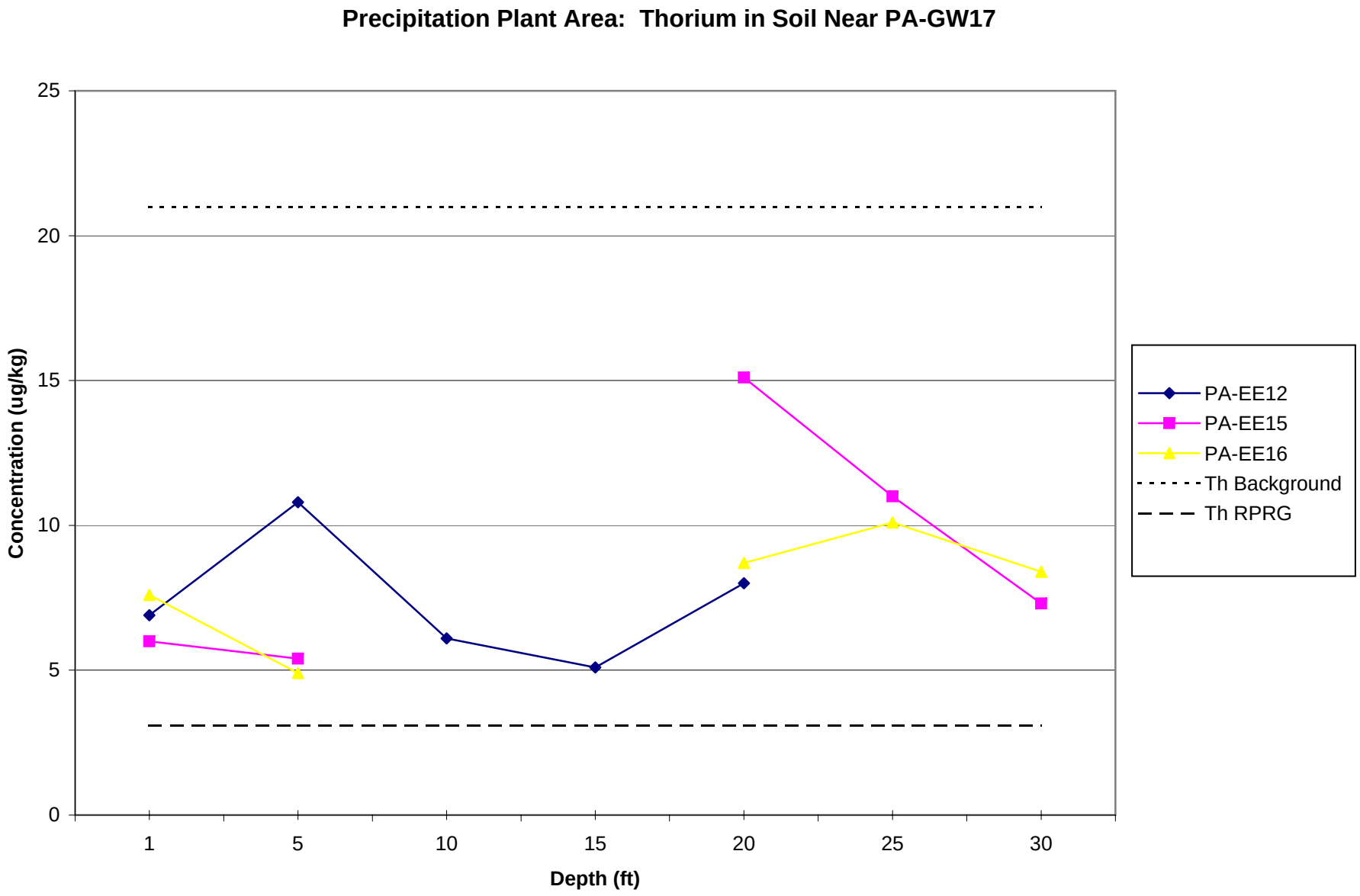

Precipitation Plant Area: Thallium in Soil Near PA-GW18
Concentration (ug/kg)
160
140
120
100
80
60
40
20
0
1
5
10
15
20
25
30
Sample Depth
PA-FFF6
PA-EE20
PA-EE13
Tl Background
Tl RPRG =
5,200 ug/kg

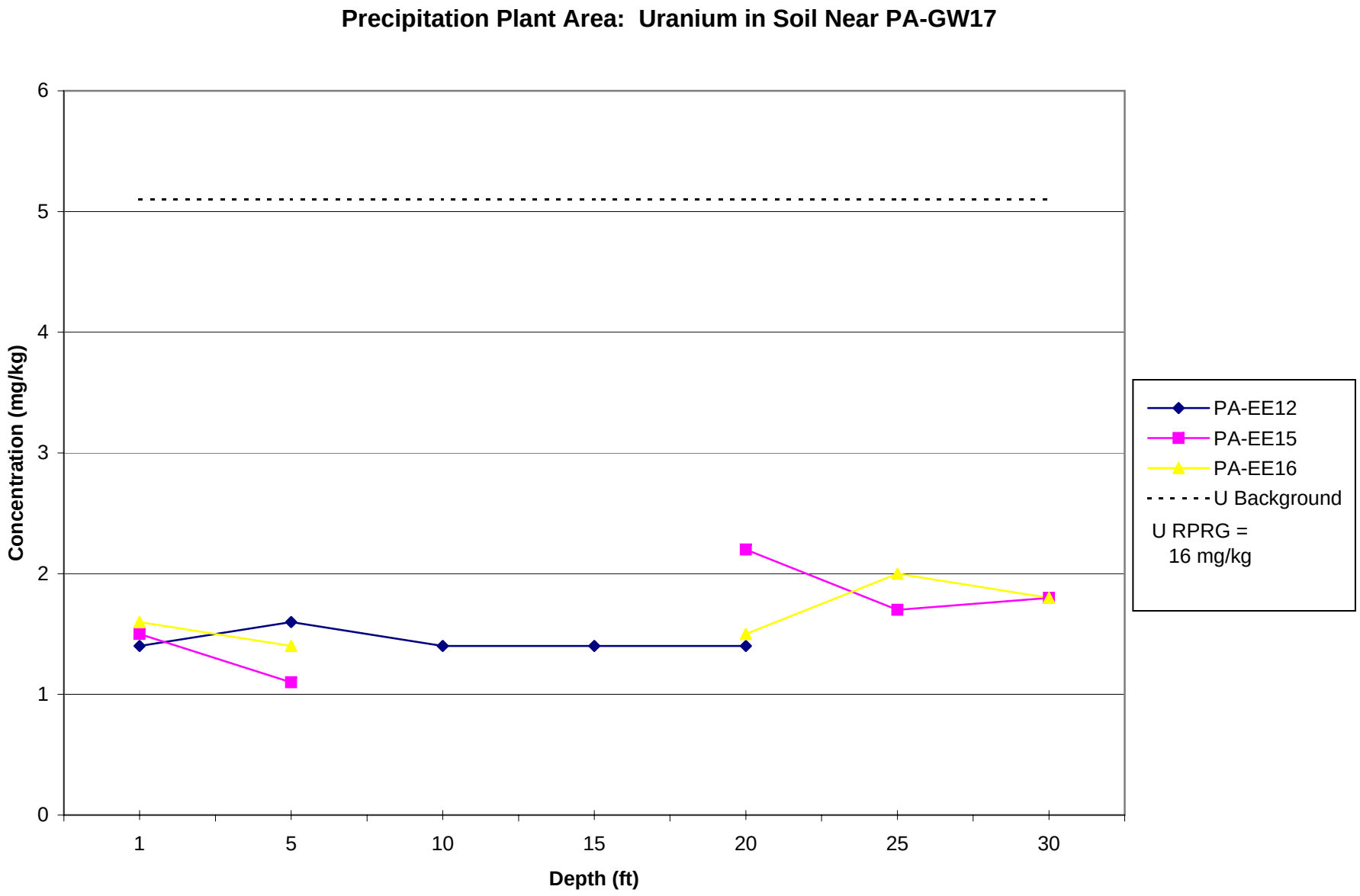

Precipitation Plant Area: Vanadium in Soil Near PA-GW17
Concentration (ug/kg)
45,000
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
1
5
10
15
20
25
30
Depth (ft)
PA-E2
PA-EE12
PA-EE15
PA-EE16
V Background
V RPRG =
78,000 ug/kg


Precipitation Plant Area: Vanadium in Soil Near PA-GW18
Concentration (ug/kg)
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
1
5
10
15
20
25
30
Sample Depth
PA-FFF6
PA-EE20
PA-EE13
V Background
V RPRG =
78,000 ug/kg

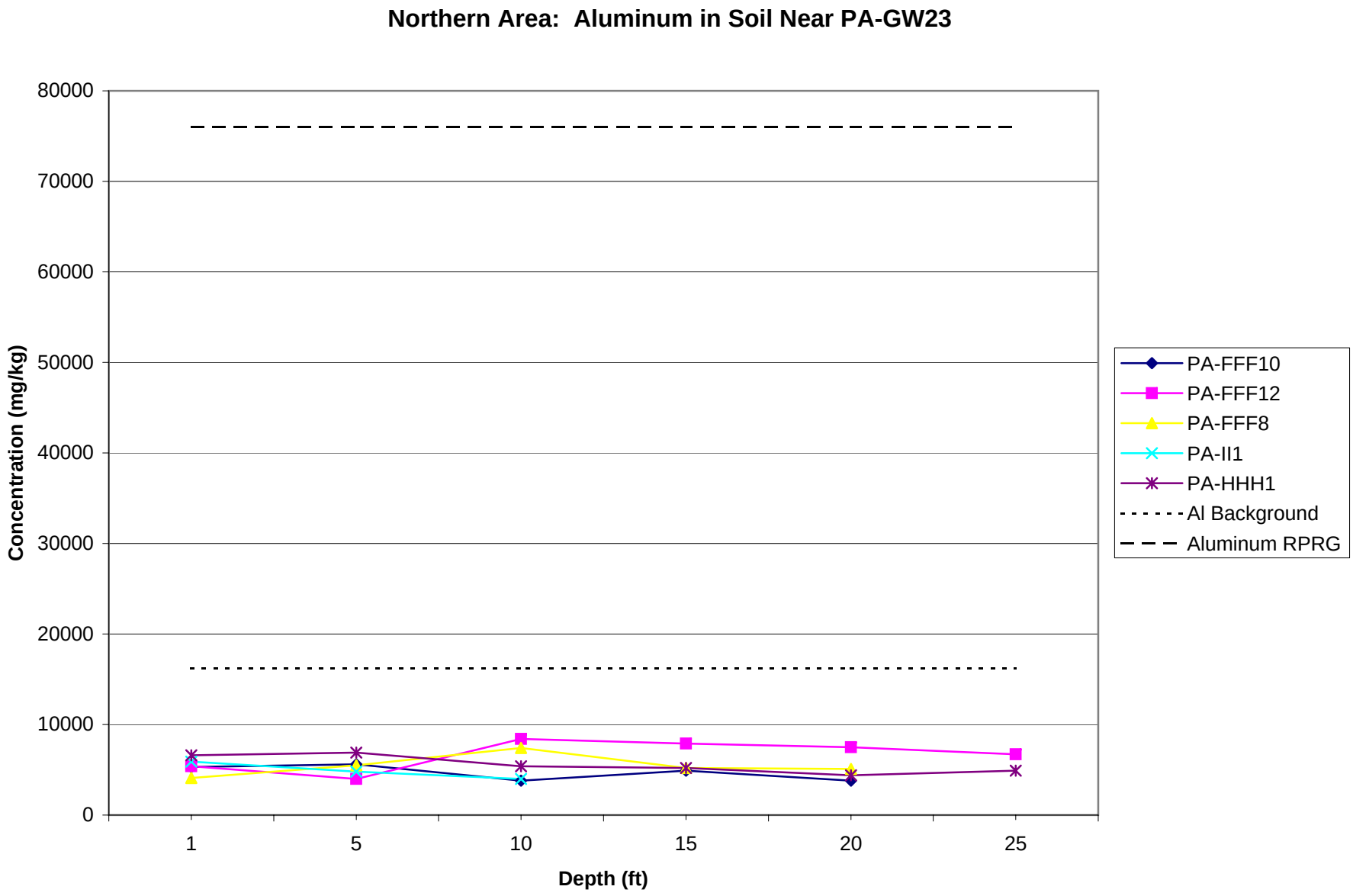

Precipitation Plant Area: Zinc in Soil Near PA-GW17
60,000
50,000
40,000
30,000
20,000
10,000
0
Concentration (ug/kg)
1
5
10
15
20
25
30
Depth (ft)
PA-E2
PA-EE12
PA-EE15
PA-EE16
Zn Background
Zn RPRG =
23,000,000 ug/kg

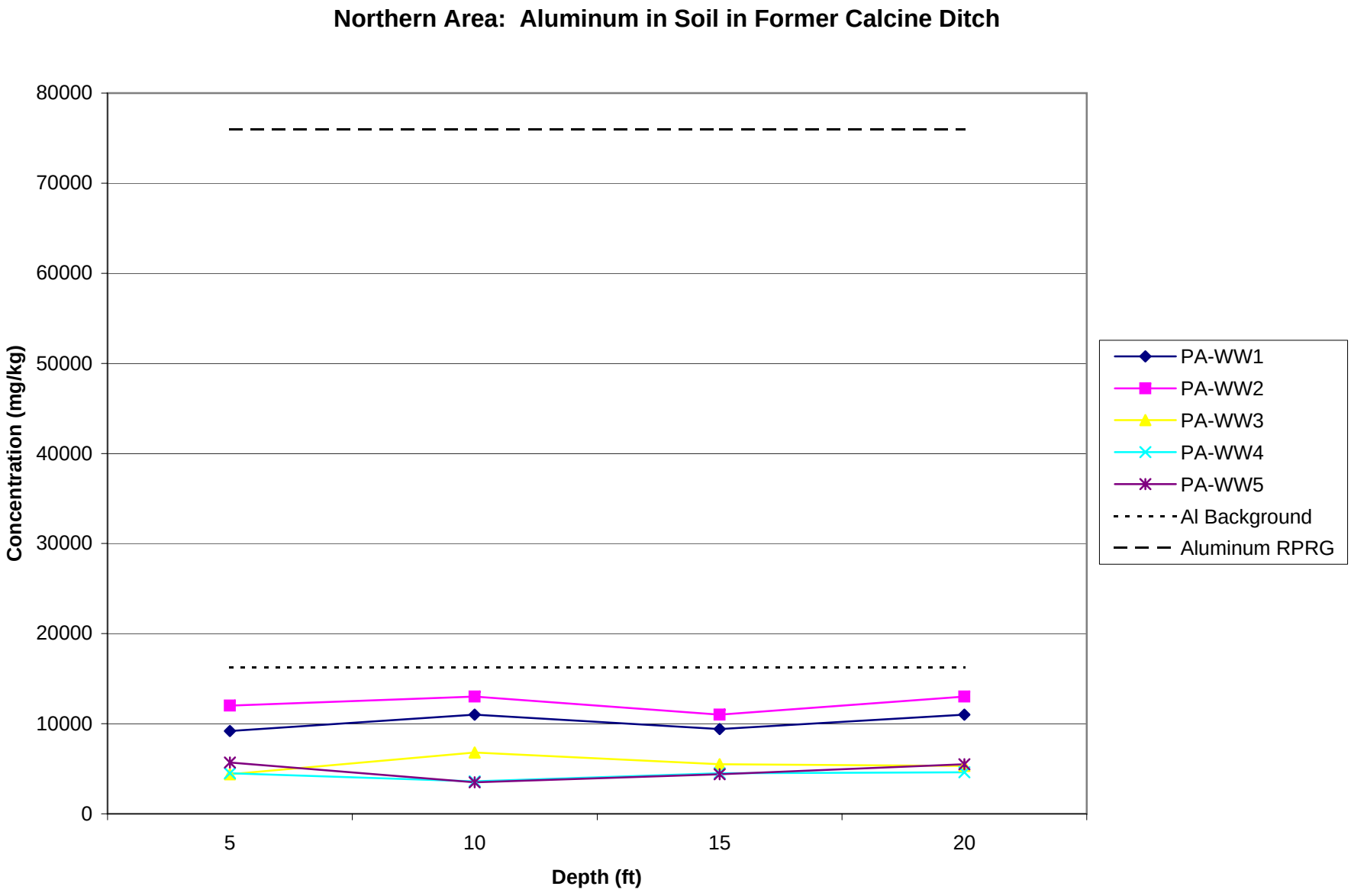

Precipitation Plant Area: Zinc in Soil Near PA-GW18
60000
50000
40000
30000
20000
10000
0
Concentration (ug/kg)
1
5
10
15
20
25
30
Sample Depth (ft)
PA-FFF6
PA-EE20
PA-EE13
Zn Background
Zn RPRG =
23,000,000 ug/kg

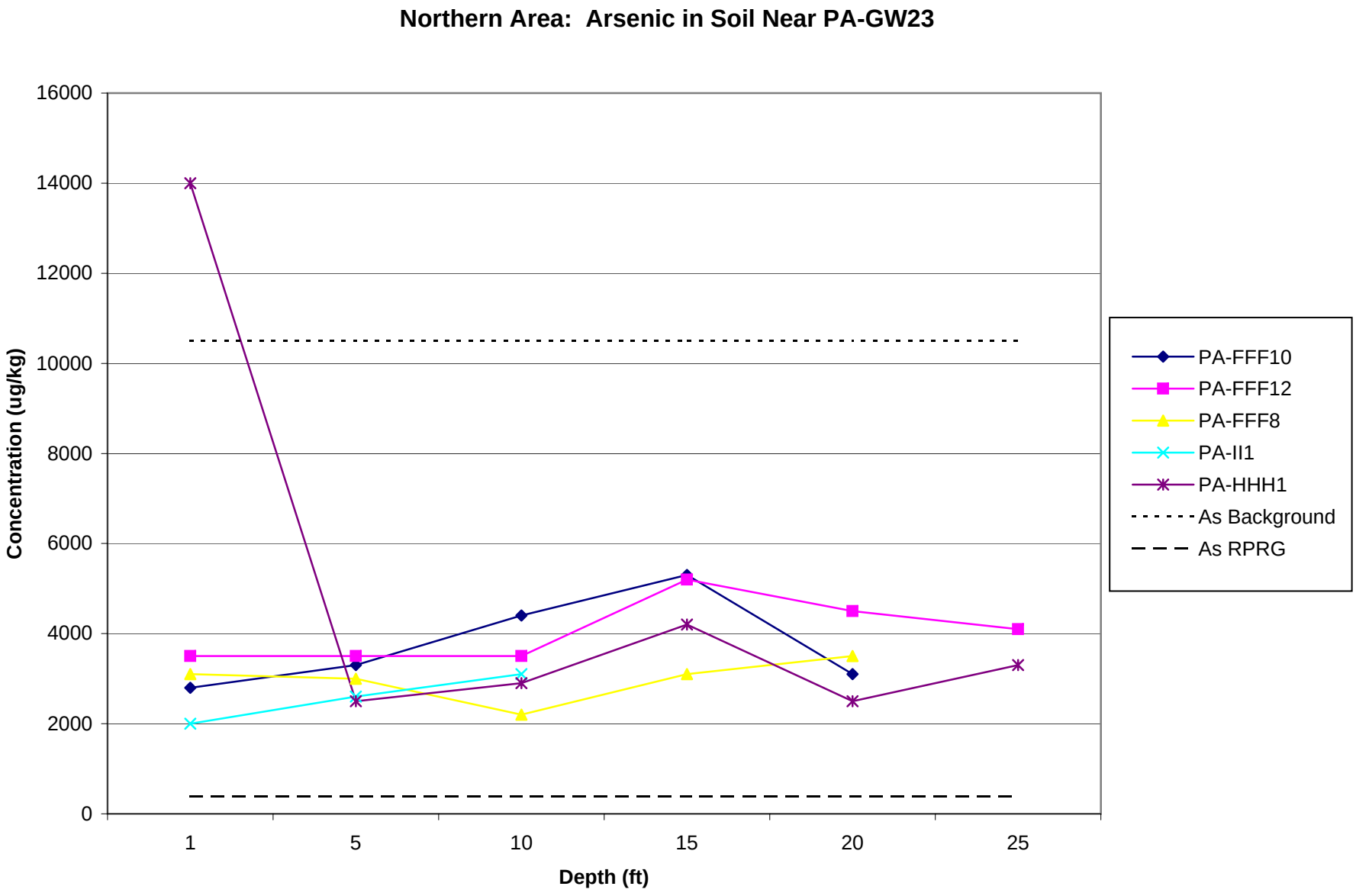

Precipitation Plant Area: Thorium in Soil Near PA-GW17
Concentration (ug/kg)
25
20
15
10
5
0
1
5
10
15
20
25
30
Depth (ft)
PA-EE12
PA-EE15
PA-EE16
Th Background
Th RPRG

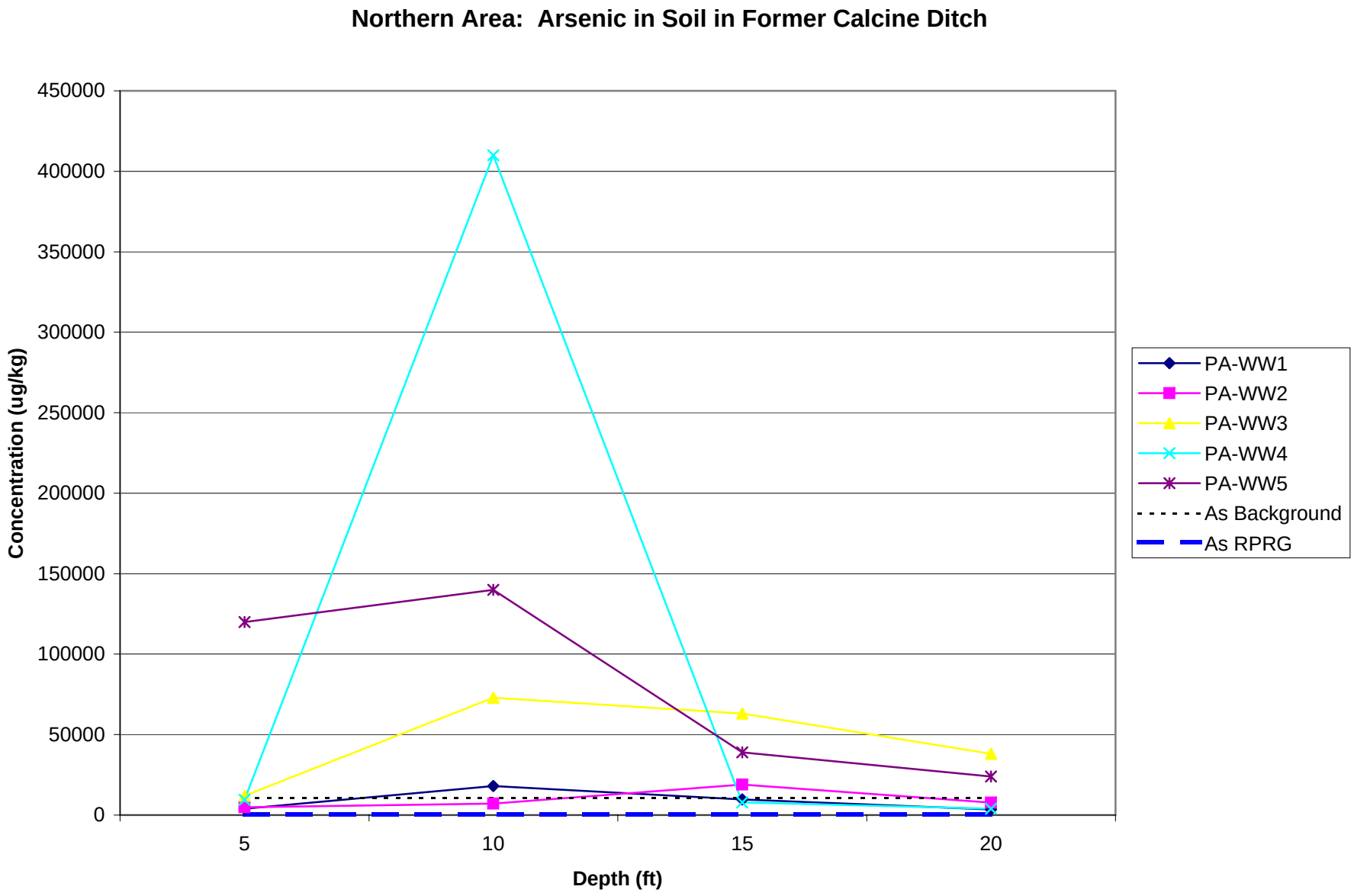

Precipitation Plant Area: Uranium in Soil Near PA-GW17
Concentration (mg/kg)
0
1
2
3
4
5
6
1
5
10
15
20
25
30
Depth (ft)
PA-EE12
PA-EE15
PA-EE16
U Background
U RPRG =
16 mg/kg

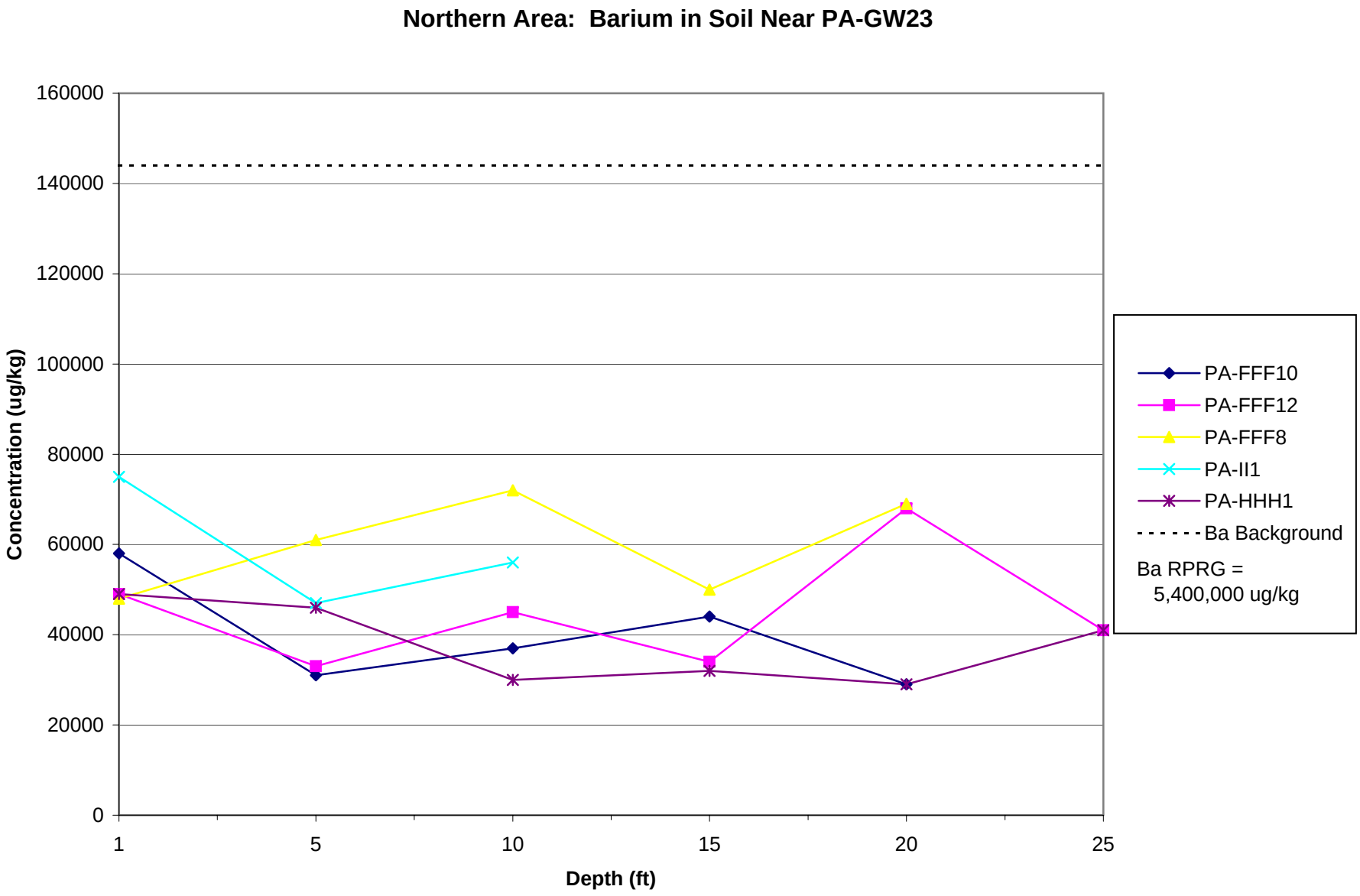
Northern Area

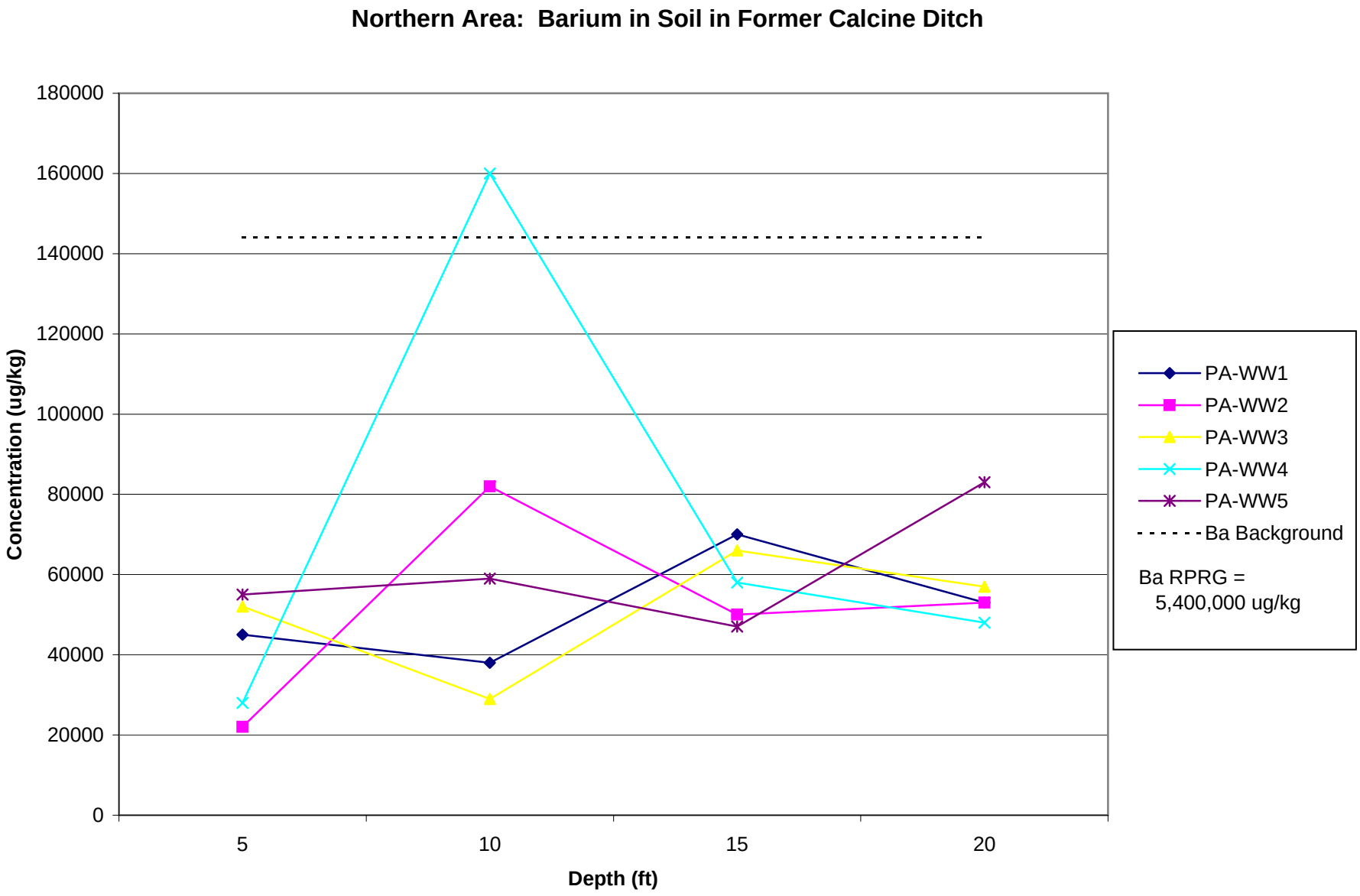

Northern Area: Aluminum in Soil Near PA-GW23
Concentration (mg/kg)
80000
70000
60000
50000
40000
30000
20000
10000
0
1
5
10
15
20
25
Depth (ft)
PA-FFF10
PA-FFF12
PA-FFF8
PA-II1
PA-HHH1
Al Background
Aluminum RPRG

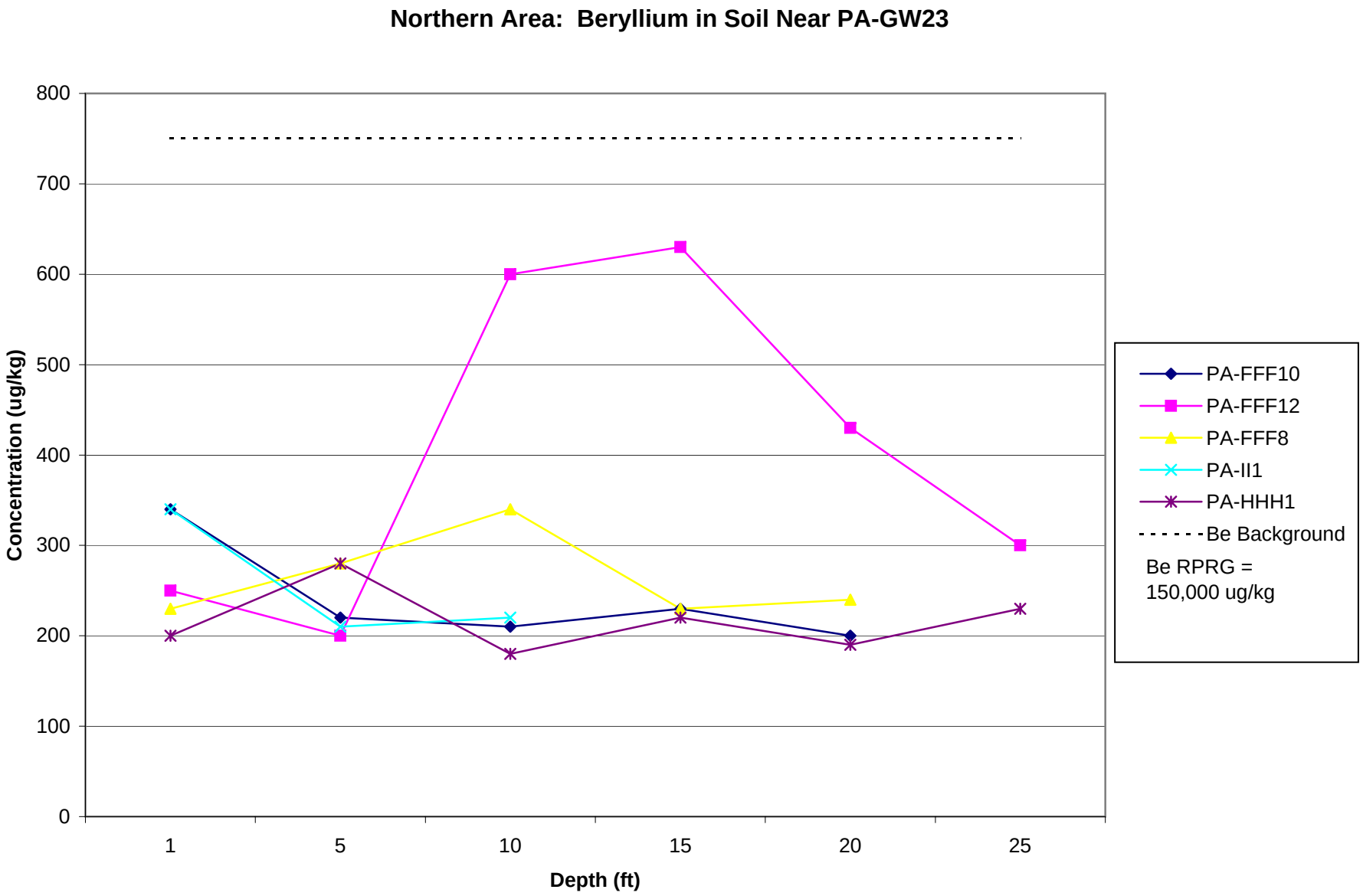

Northern Area: Aluminum in Soil in Former Calcine Ditch
Concentration (mg/kg)
80000
70000
60000
50000
40000
30000
20000
10000
0
5
10
15
20
Depth (ft)
PA-WW1
PA-WW2
PA-WW3
PA-WW4
PA-WW5
Al Background
Aluminum RPRG

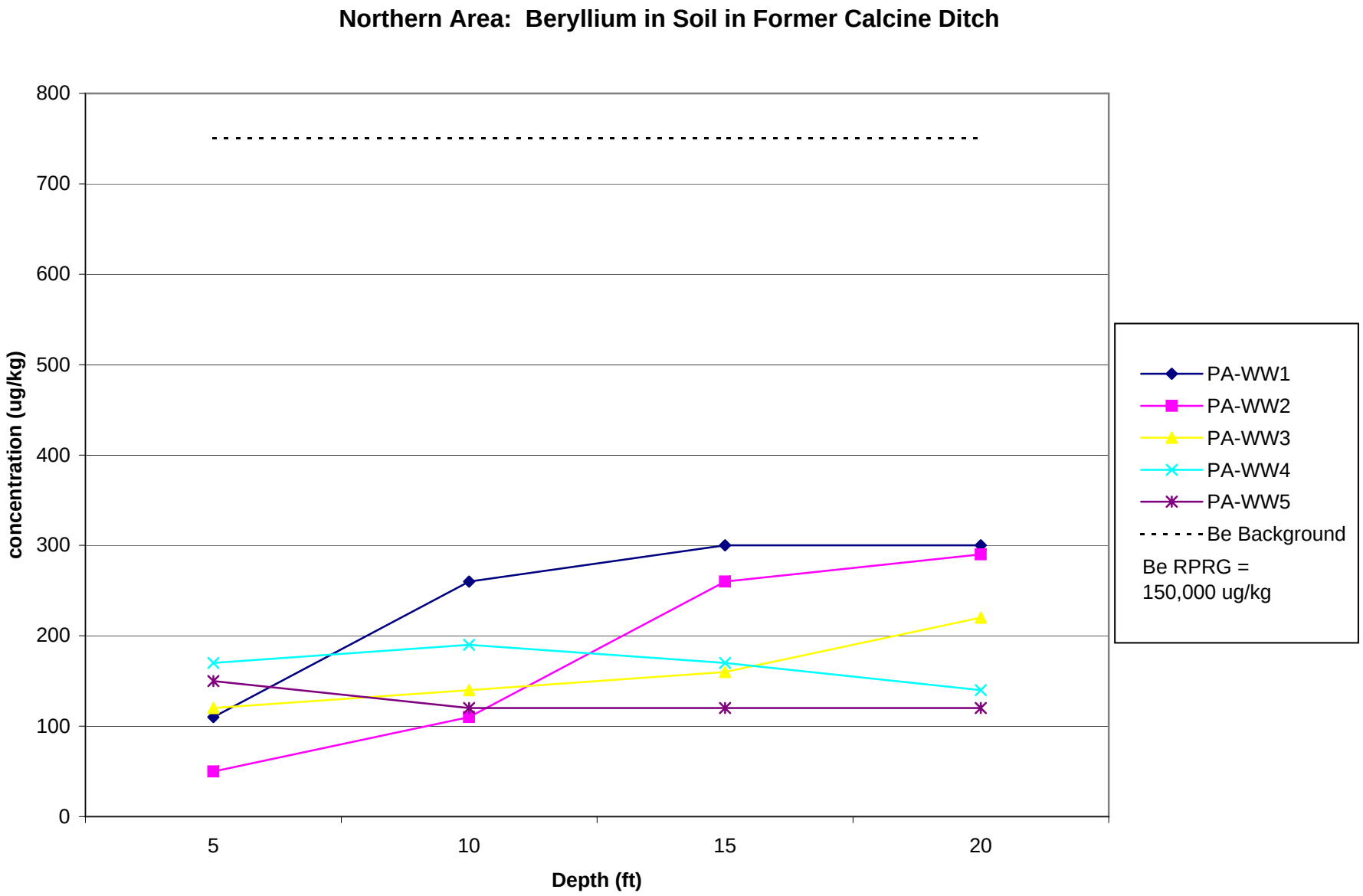

Northern Area: Arsenic in Soil Near PA-GW23
Concentration (ug/kg)
16000
14000
12000
10000
8000
6000
4000
2000
0
1
5
10
15
20
25
Depth (ft)
PA-FFF10
PA-FFF12
PA-FFF8
PA-II1
PA-HHH1
As Background
As RPRG

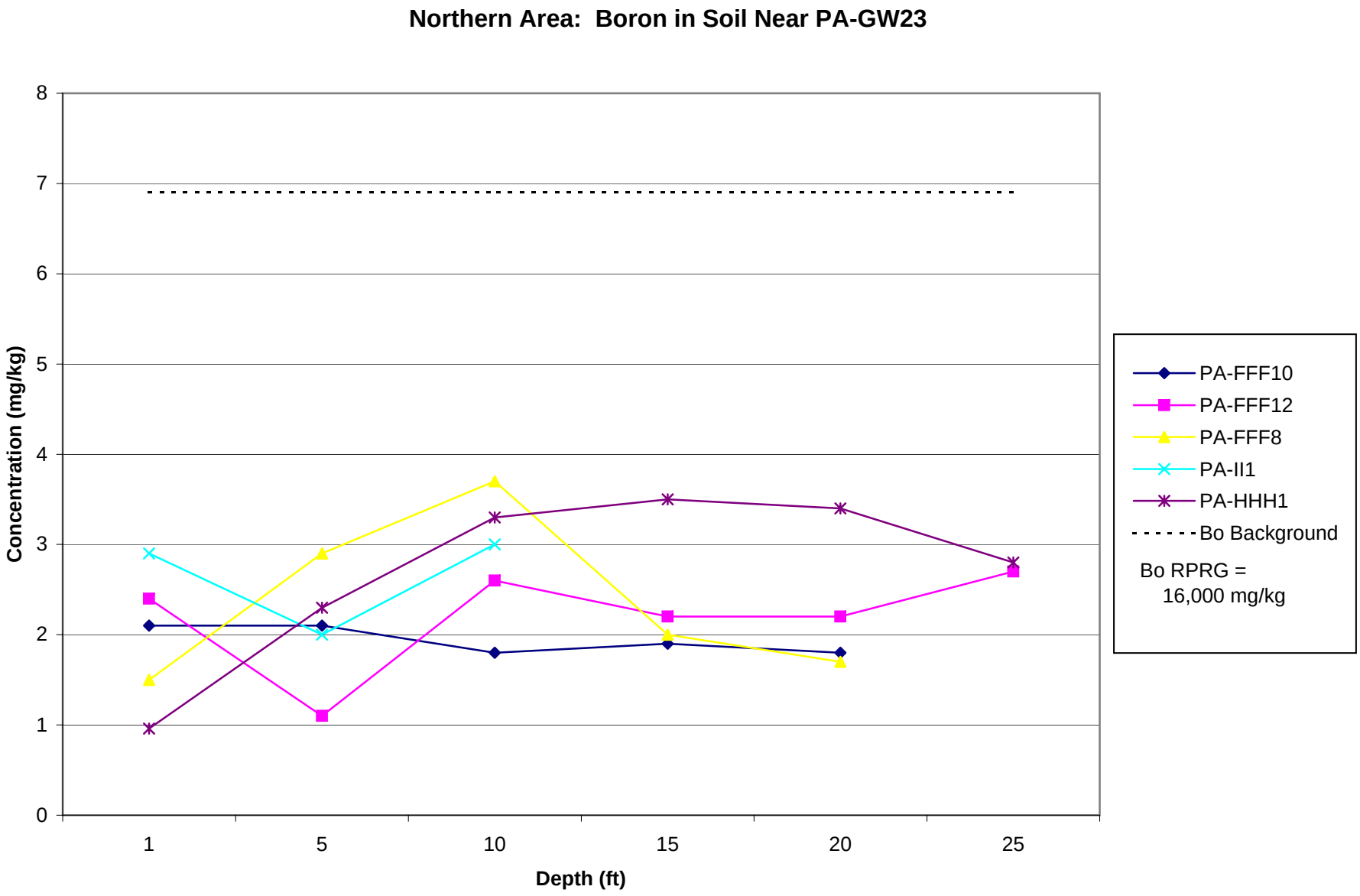

Northern Area: Arsenic in Soil in Former Calcine Ditch
Concentration (ug/kg)
450000
400000
350000
300000
250000
200000
150000
100000
50000
0
5
10
15
20
Depth (ft)
PA-WW1
PA-WW2
PA-WW3
PA-WW4
PA-WW5
As Background
As RPRG

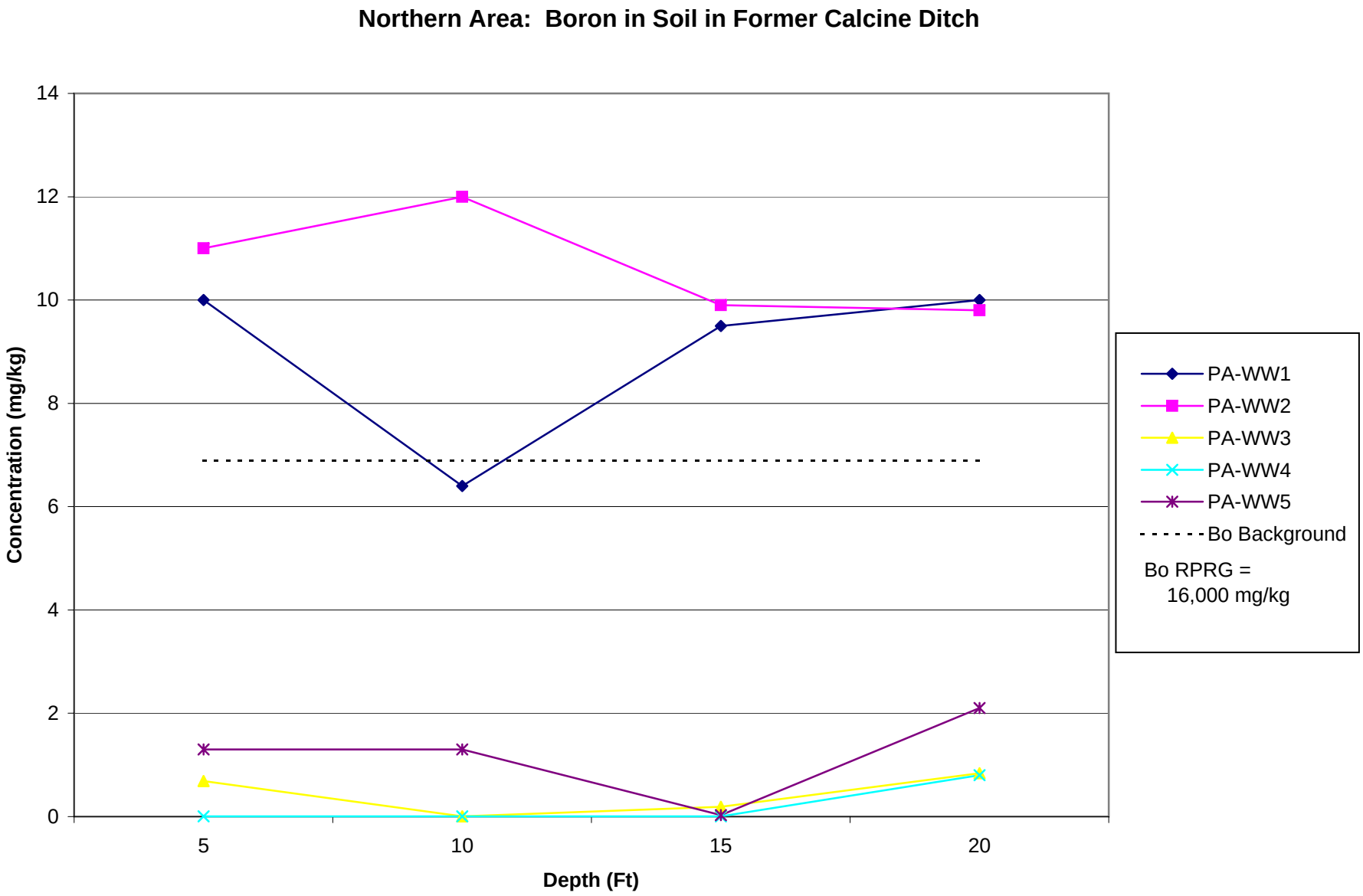

Northern Area: Barium in Soil Near PA-GW23
160000
140000
120000
100000
80000
60000
40000
20000
0
Concentration (ug/kg)
1
5
10
15
20
25
Depth (ft)
PA-FFF10
PA-FFF12
PA-FFF8
PA-II1
PA-HHH1
Ba Background
Ba RPRG =
5,400,000 ug/kg

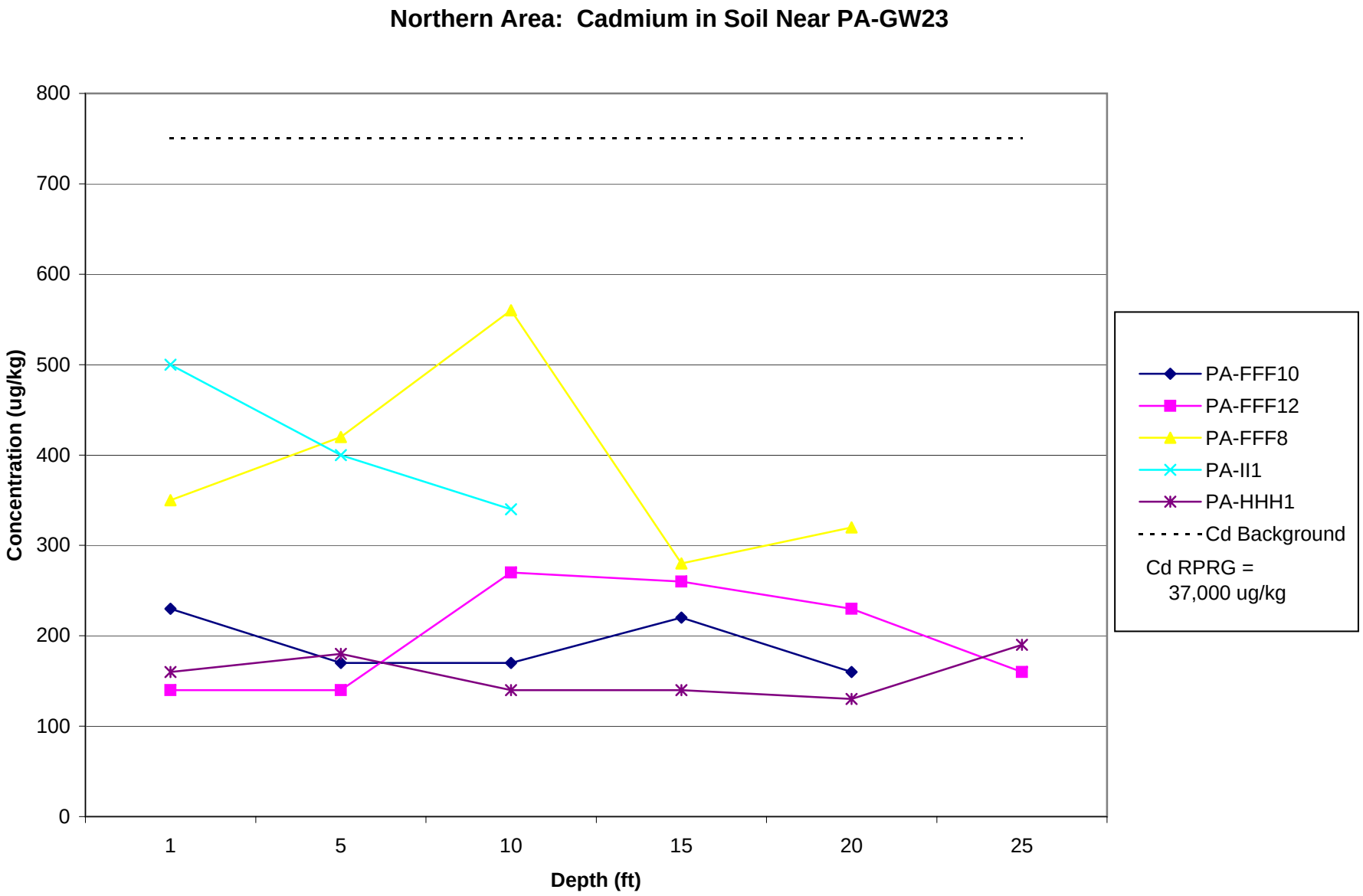

Northern Area: Barium in Soil in Former Calcine Ditch
Concentration (ug/kg)
180000
160000
140000
120000
100000
80000
60000
40000
20000
0
5
10
15
20
Depth (ft)
PA-WW1
PA-WW2
PA-WW3
PA-WW4
PA-WW5
Ba Background
Ba RPRG =
5,400,000 ug/kg

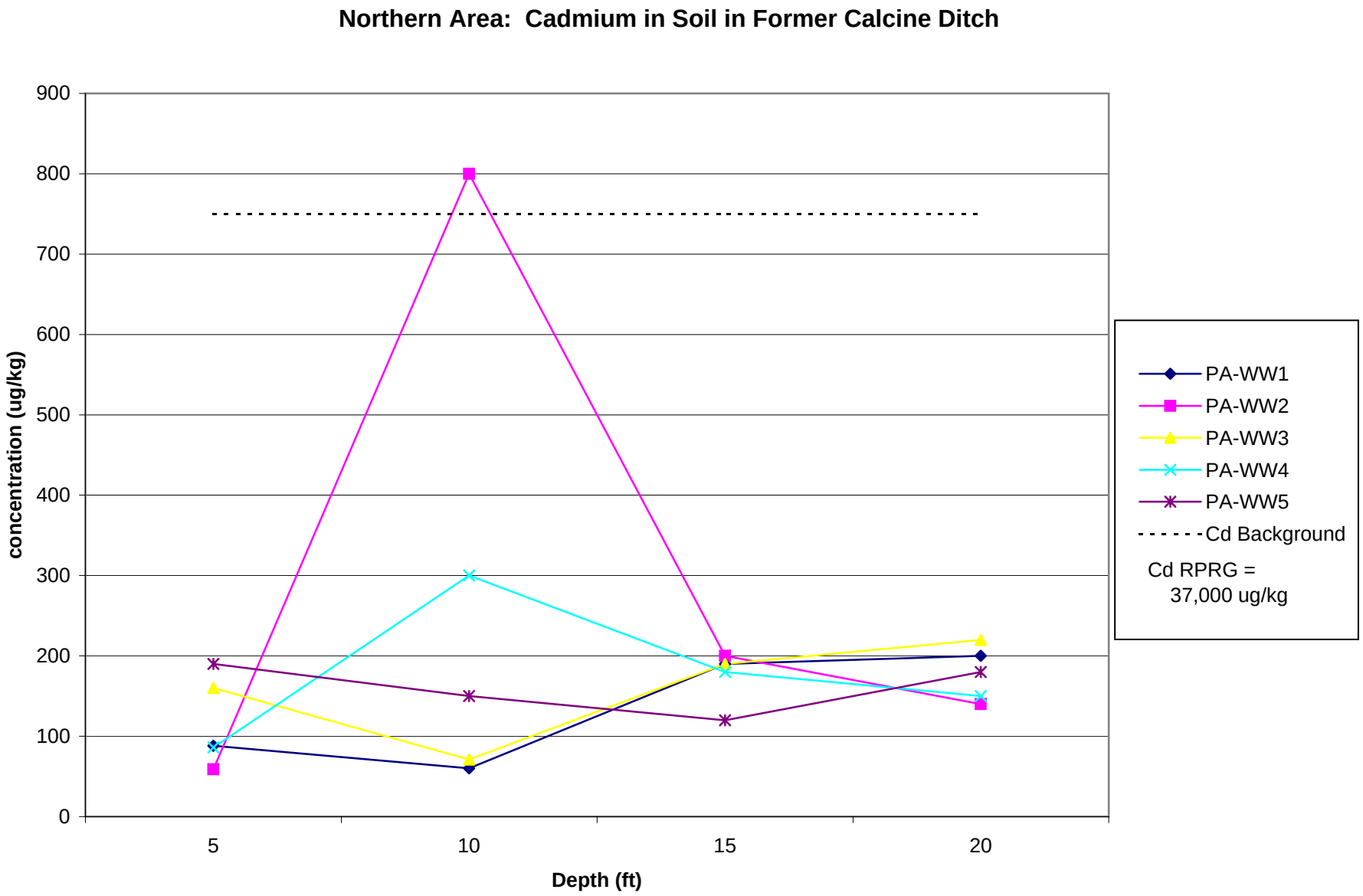

Northern Area: Beryllium in Soil Near PA-GW23
Concentration (ug/kg)
800
700
600
500
400
300
200
100
0
1
5
10
15
20
25
Depth (ft)
PA-FFF10
PA-FFF12
PA-FFF8
PA-II1
PA-HHH1
Be Background
Be RPRG =
150,000 ug/kg

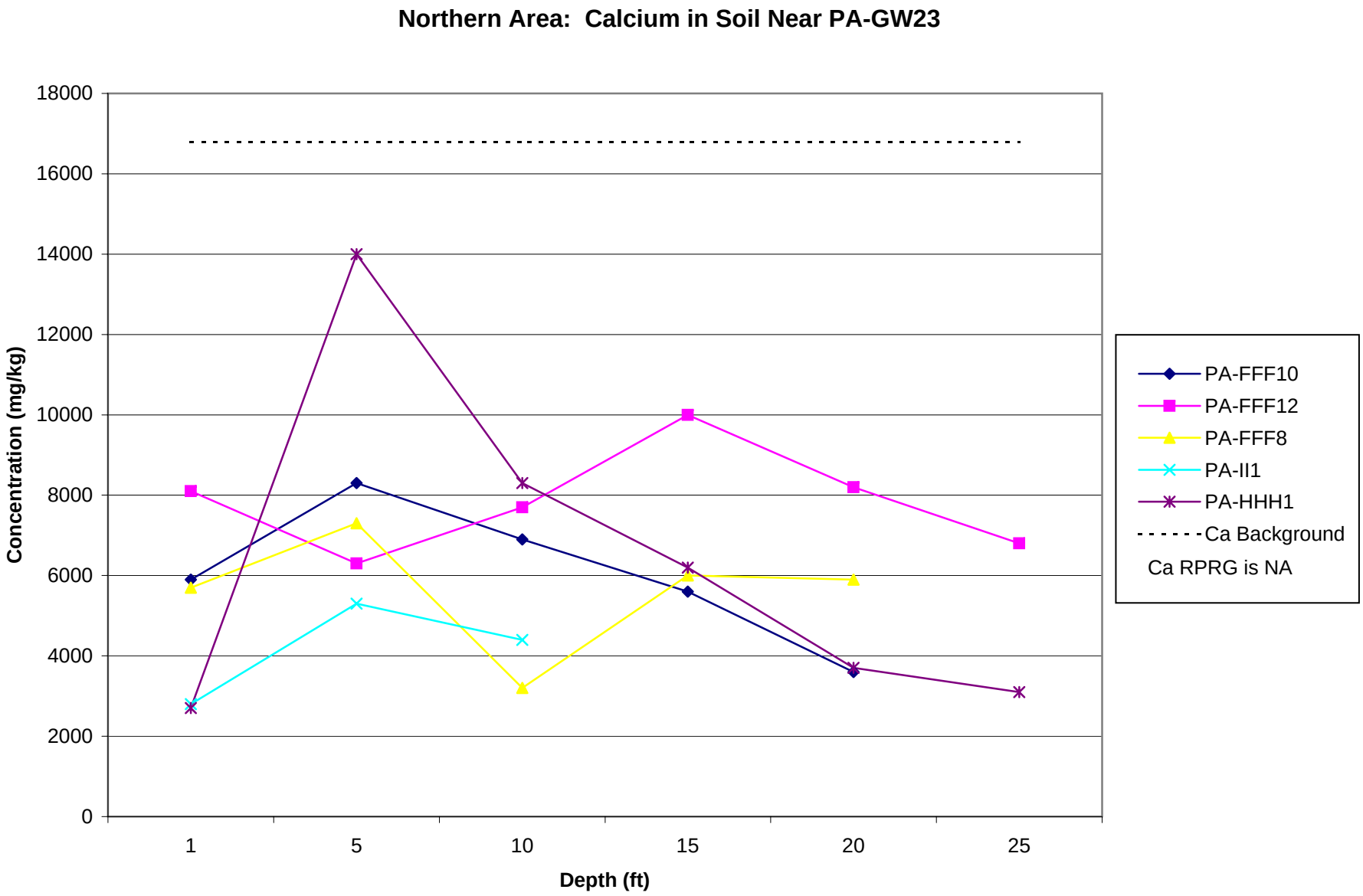

Northern Area: Beryllium in Soil in Former Calcine Ditch
concentration (ug/kg)
800
700
600
500
400
300
200
100
0
5
10
15
20
Depth (ft)
PA-WW1
PA-WW2
PA-WW3
PA-WW4
PA-WW5
Be Background
Be RPRG =
150,000 ug/kg

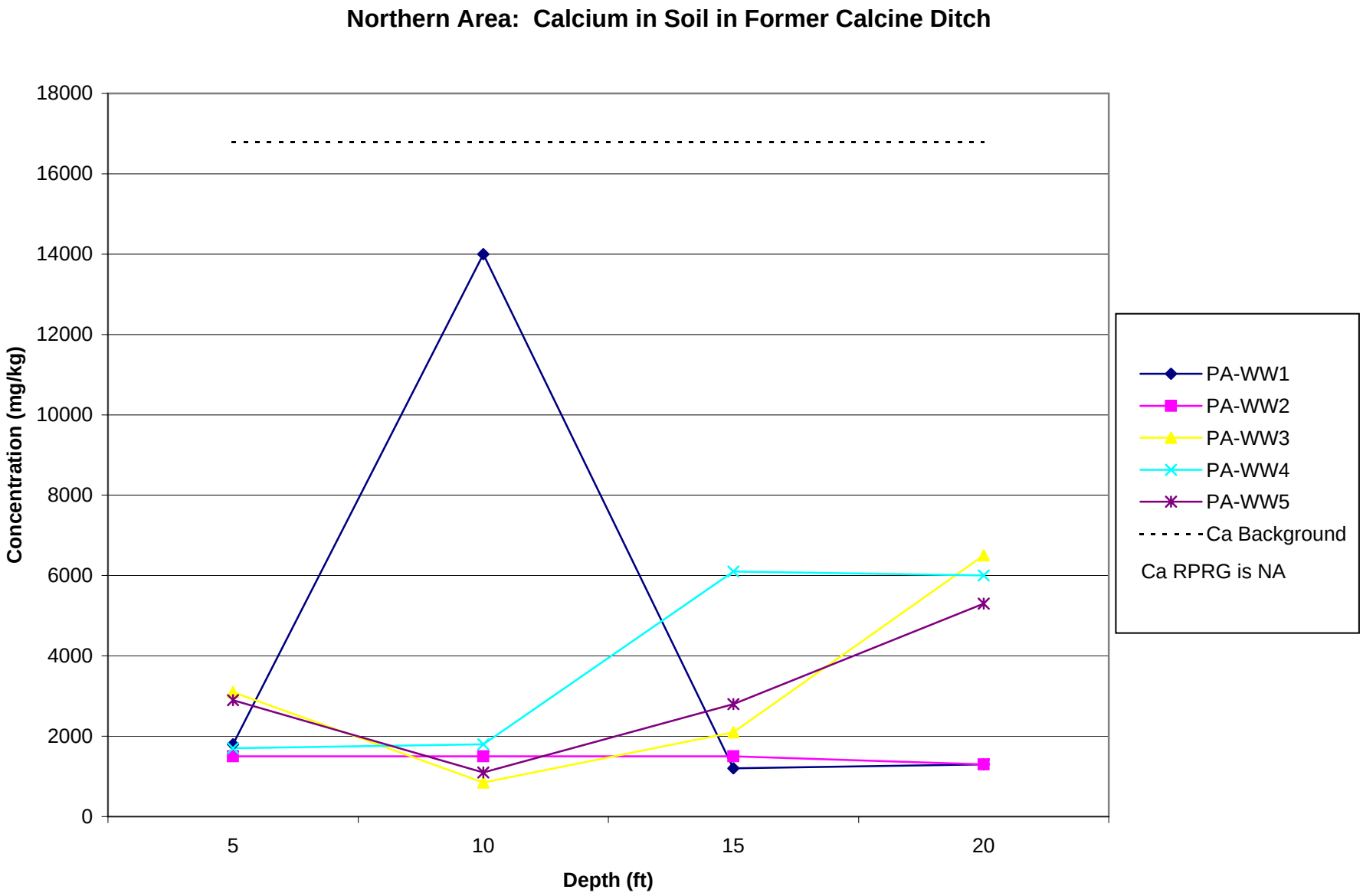

Northern Area: Boron in Soil Near PA-GW23
Concentration (mg/kg)
8
7
6
5
4
3
2
1
0
1
5
10
15
20
25
Depth (ft)
PA-FFF10
PA-FFF12
PA-FFF8
PA-II1
PA-HHH1
Bo Background
Bo RPRG =
16,000 mg/kg

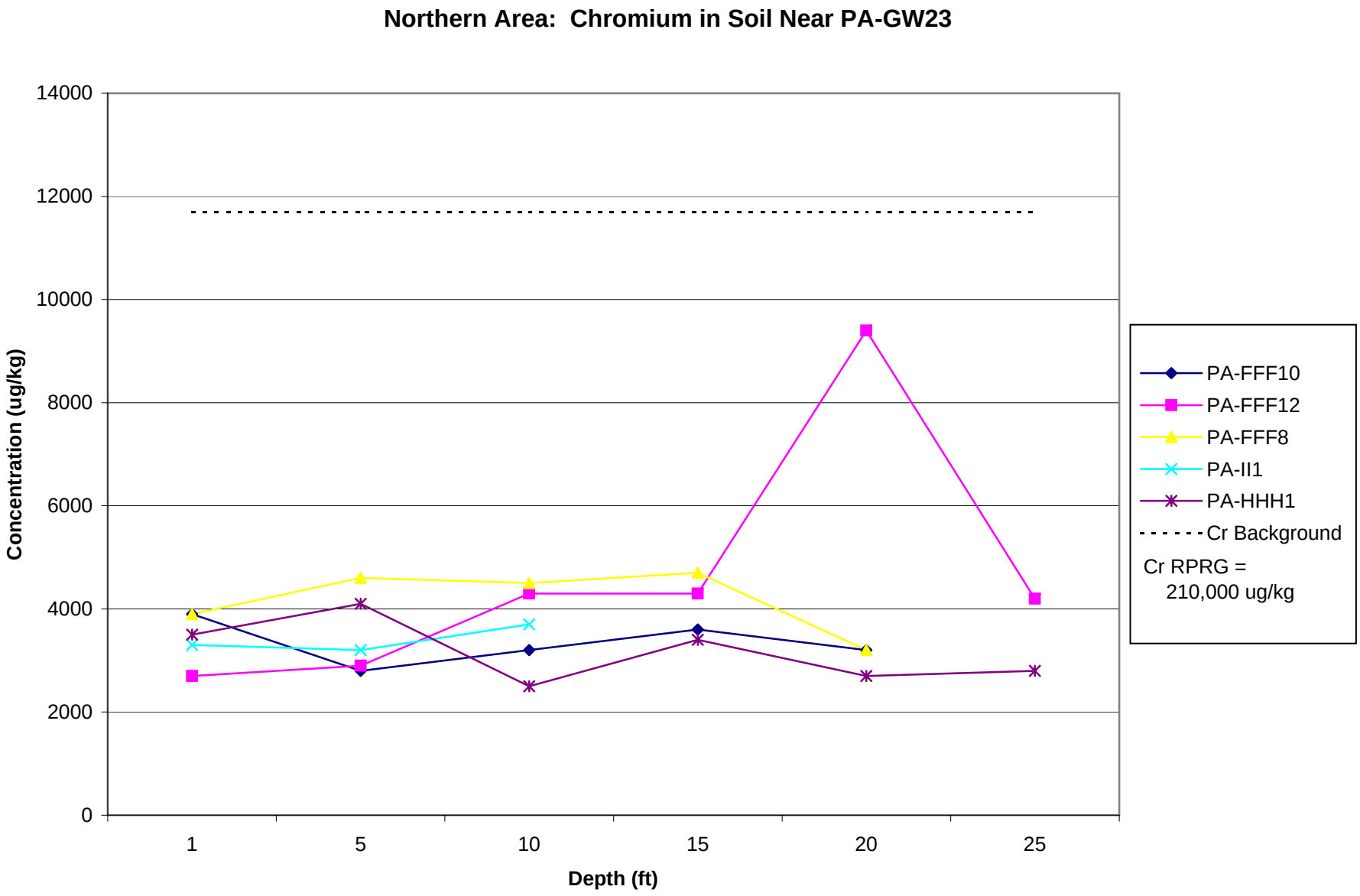

Northern Area: Boron in Soil in Former Calcine Ditch
Concentration (mg/kg)
14
12
10
8
6
4
2
0
5
10
15
20
Depth (Ft)
PA-WW1
PA-WW2
PA-WW3
PA-WW4
PA-WW5
Bo Background
Bo RPRG =
16,000 mg/kg

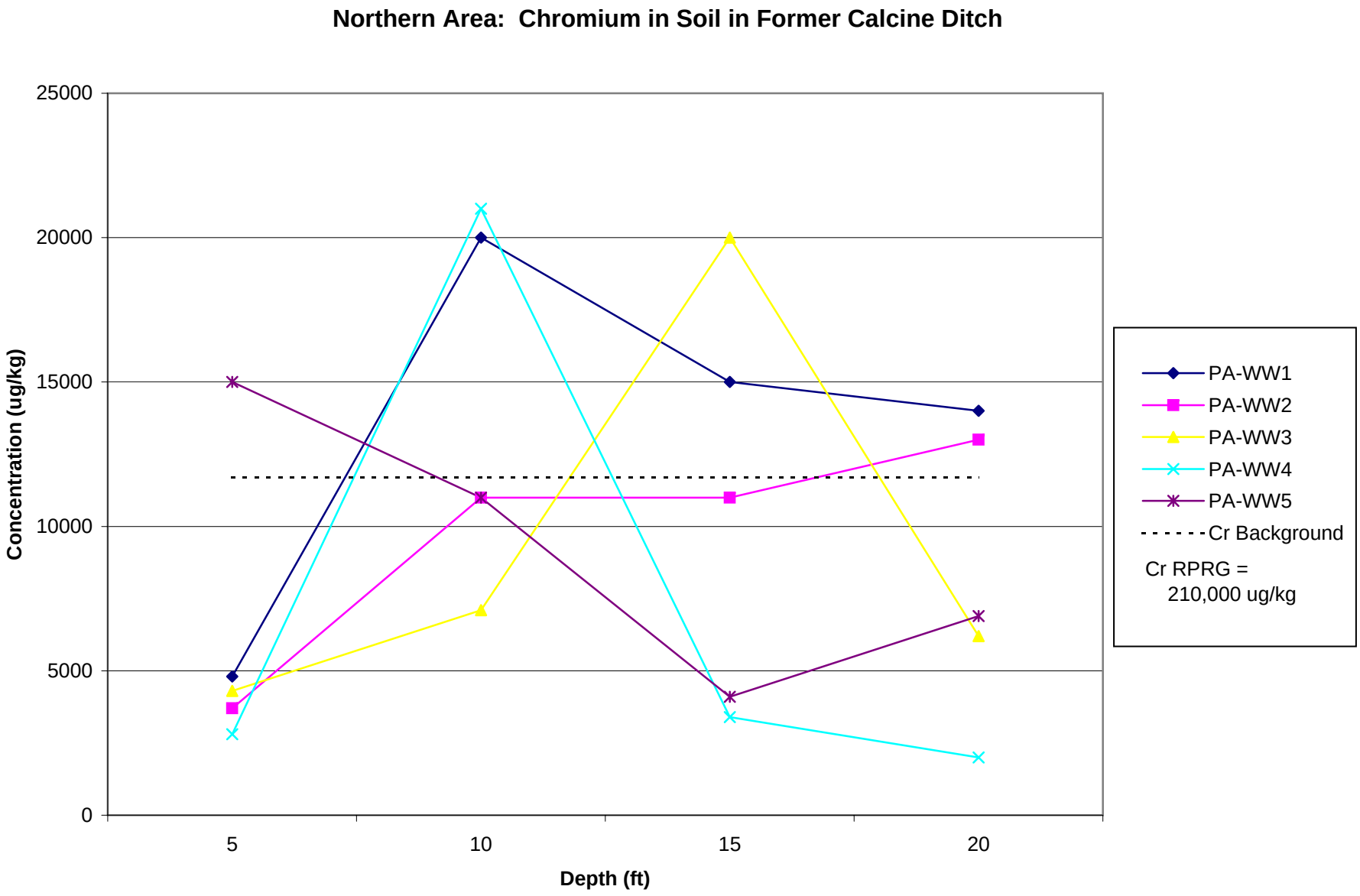

Northern Area: Cadmium in Soil Near PA-GW23
Concentration (ug/kg)
800
700
600
500
400
300
200
100
0
1
5
10
15
20
25
Depth (ft)
PA-FFF10
PA-FFF12
PA-FFF8
PA-II1
PA-HHH1
Cd Background
Cd RPRG =
37,000 ug/kg

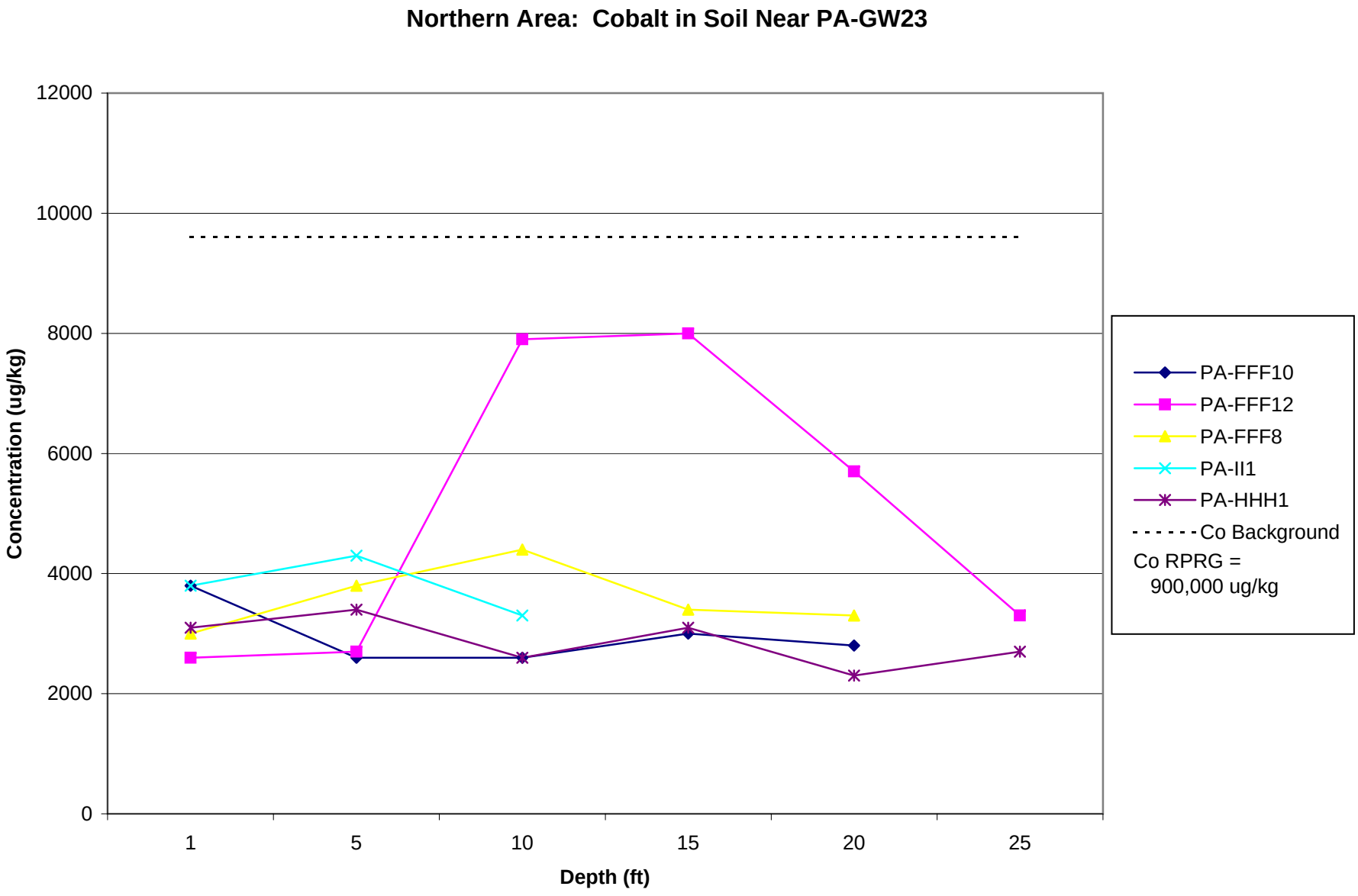

Northern Area: Cadmium in Soil in Former Calcine Ditch
concentration (ug/kg)
900
800
700
600
500
400
300
200
100
0
5
10
15
20
Depth (ft)
PA-WW1
PA-WW2
PA-WW3
PA-WW4
PA-WW5
Cd Background
Cd RPRG =
37,000 ug/kg

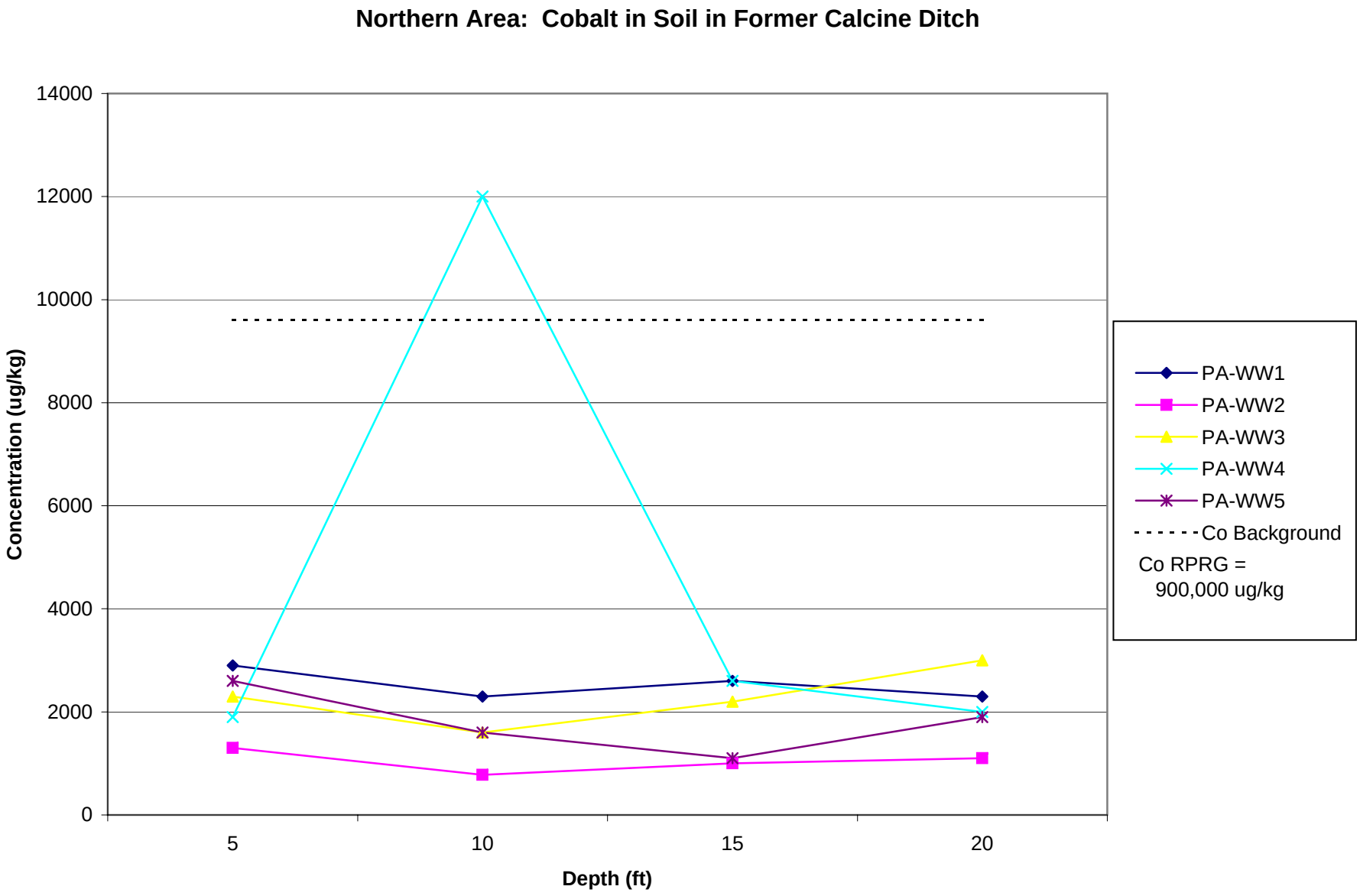

Northern Area: Calcium in Soil Near PA-GW23
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
Concentration (mg/kg)
1
5
10
15
20
25
Depth (ft)
PA-FFF10
PA-FFF12
PA-FFF8
PA-II1
PA-HHH1
Ca Background
Ca RPRG is NA

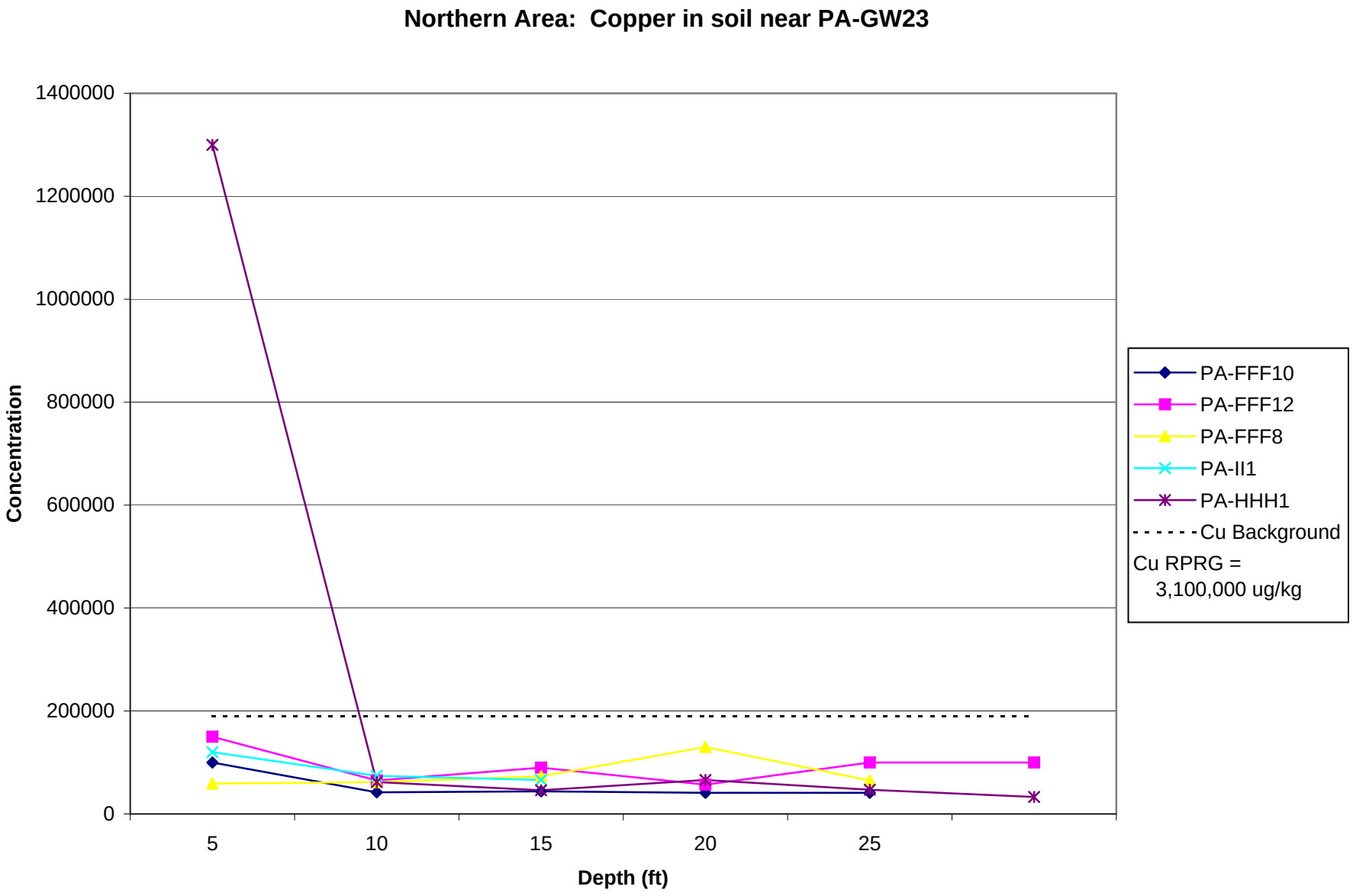

Northern Area: Calcium in Soil in Former Calcine Ditch
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
Concentration (mg/kg)
5
10
15
20
Depth (ft)
PA-WW1
PA-WW2
PA-WW3
PA-WW4
PA-WW5
Ca Background
Ca RPRG is NA

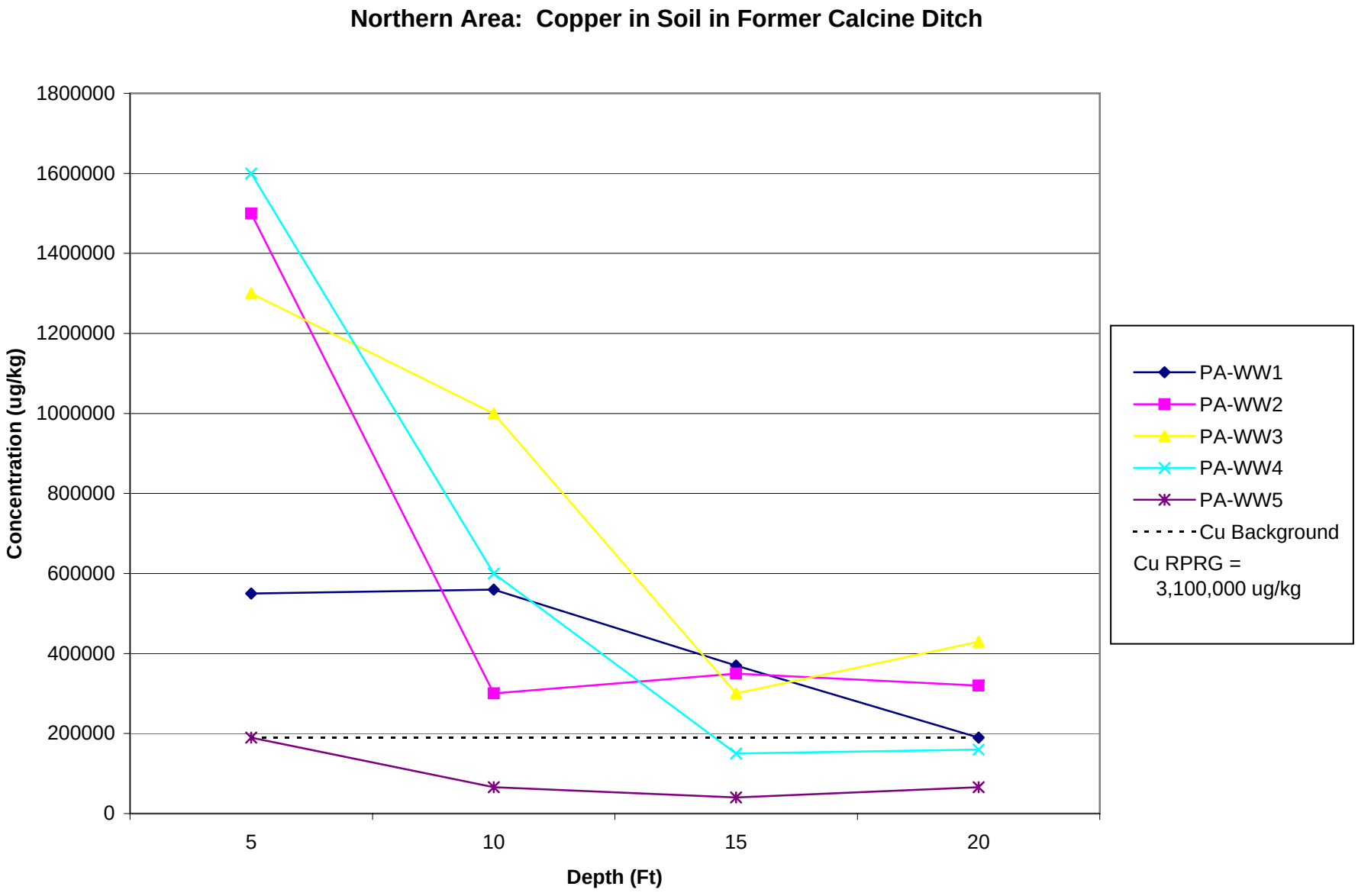

Northern Area: Chromium in Soil Near PA-GW23
14000
12000
10000
8000
6000
4000
2000
0
Concentration (ug/kg)
1
5
10
15
20
25
Depth (ft)
PA-FFF10
PA-FFF12
PA-FFF8
PA-II1
PA-HHH1
Cr Background
Cr RPRG =
210,000 ug/kg

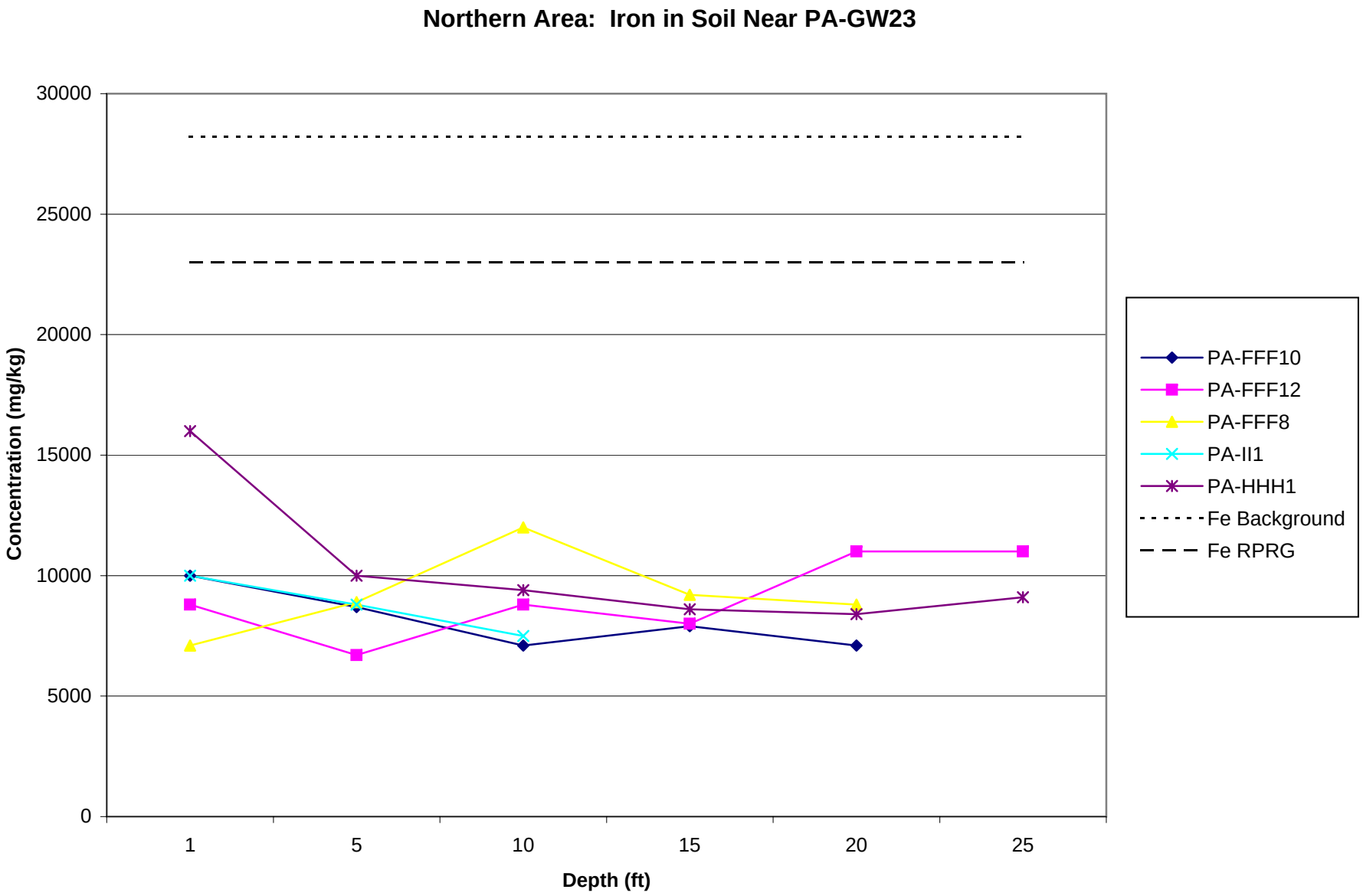

Northern Area: Chromium in Soil in Former Calcine Ditch
25000
20000
15000
10000
5000
0
Concentration (ug/kg)
5
10
15
20
Depth (ft)
PA-WW1
PA-WW2
PA-WW3
PA-WW4
PA-WW5
Cr Background
Cr RPRG =
210,000 ug/kg

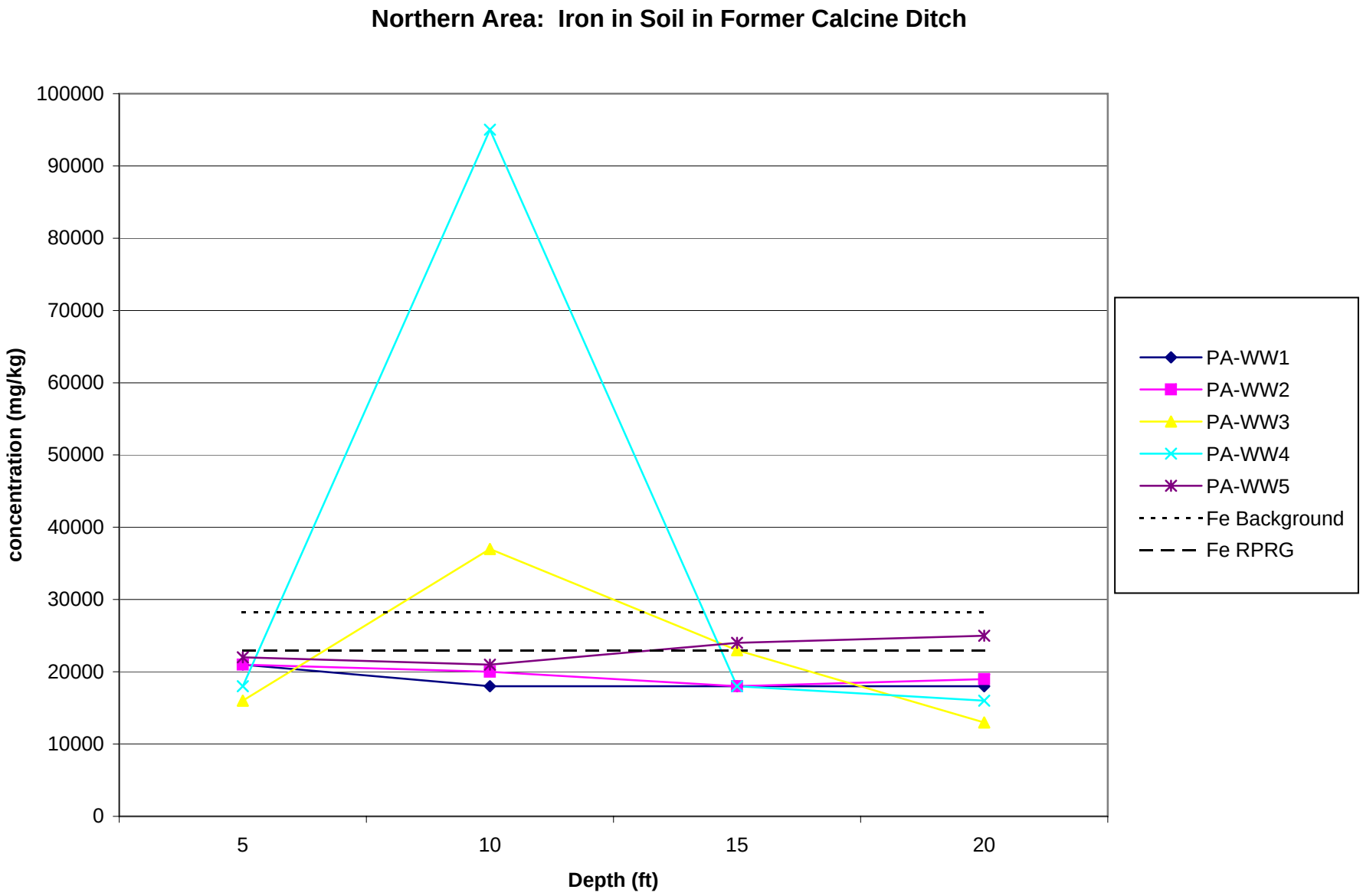

Northern Area: Cobalt in Soil Near PA-GW23
12000
10000
8000
6000
4000
2000
0
Concentration (ug/kg)
1
5
10
15
20
25
Depth (ft)
PA-FFF10
PA-FFF12
PA-FFF8
PA-II1
PA-HHH1
Co Background
Co RPRG =
900,000 ug/kg

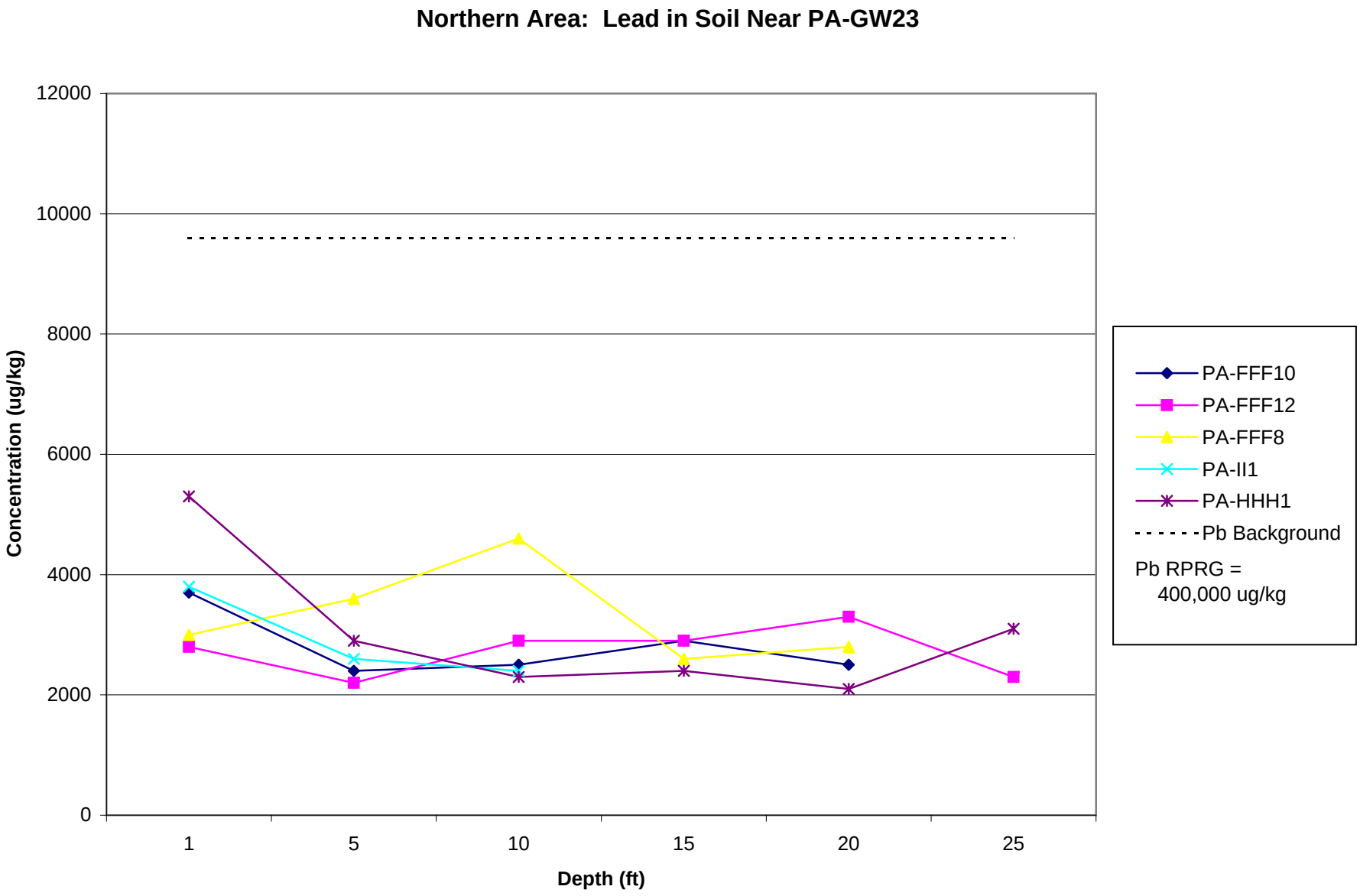

Northern Area: Cobalt in Soil in Former Calcine Ditch
14000
12000
10000
8000
6000
4000
2000
0
Concentration (ug/kg)
5
10
15
20
Depth (ft)
PA-WW1
PA-WW2
PA-WW3
PA-WW4
PA-WW5
Co Background
Co RPRG =
900,000 ug/kg

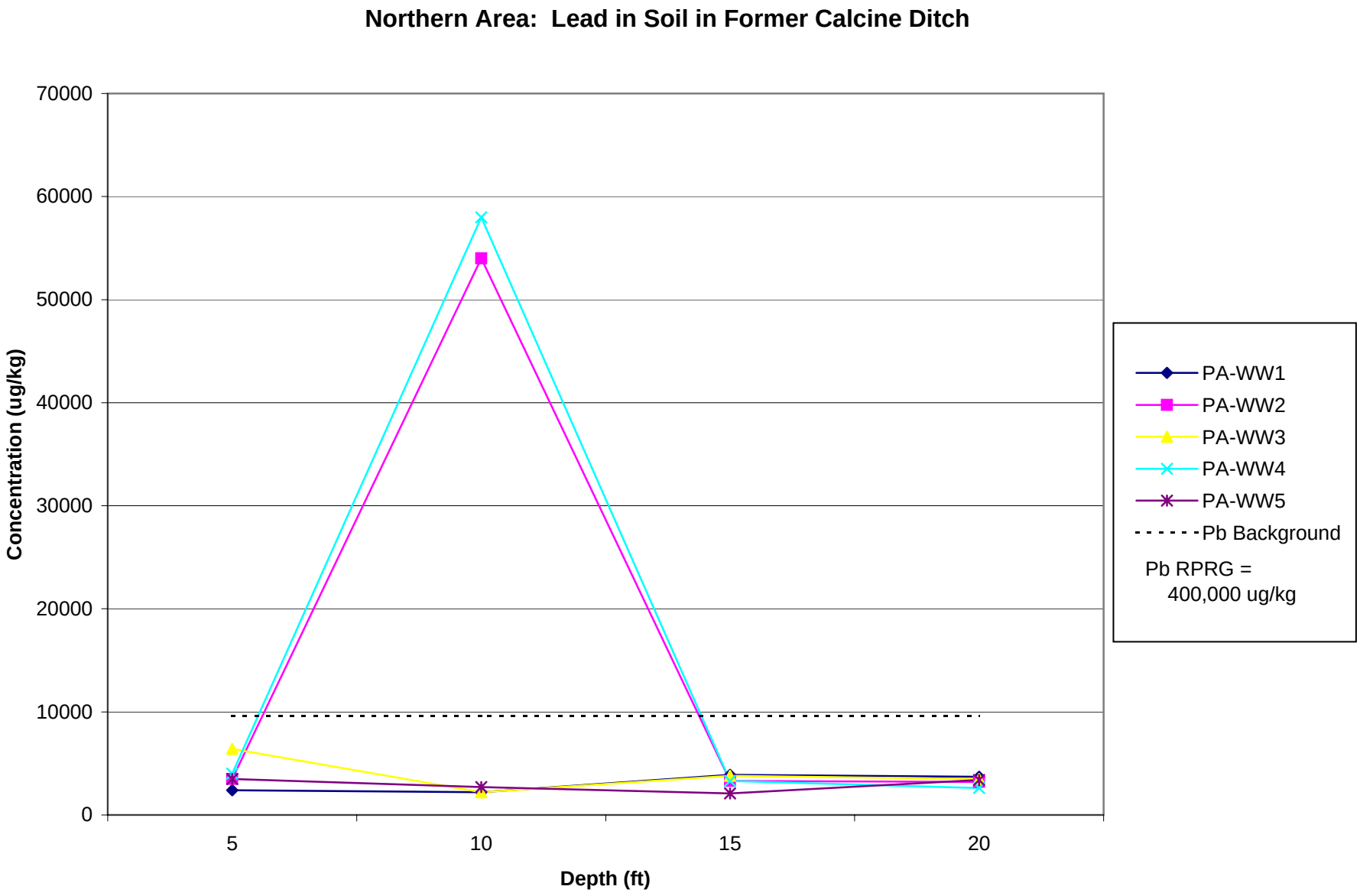

Northern Area: Copper in soil near PA-GW23
1400000
1200000
1000000
800000
600000
400000
200000
0
Concentration
5
10
15
20
25
Depth (ft)
PA-FFF10
PA-FFF12
PA-FFF8
PA-II1
PA-HHH1
Cu Background
Cu RPRG =
3,100,000 ug/kg

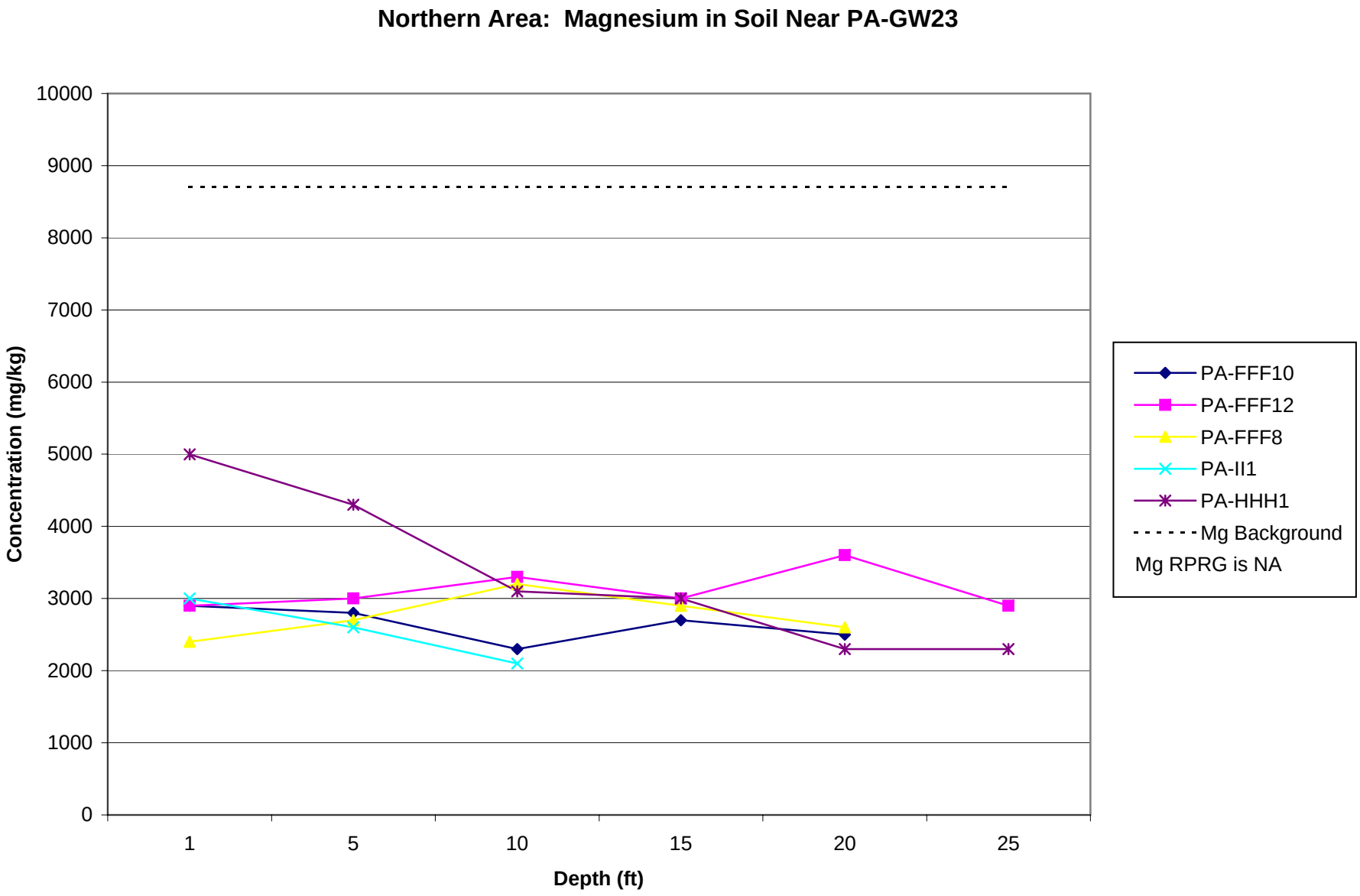

Northern Area: Copper in Soil in Former Calcine Ditch
Concentration (ug/kg)
1800000
1600000
1400000
1200000
1000000
800000
600000
400000
200000
0
5
10
15
20
Depth (Ft)
PA-WW1
PA-WW2
PA-WW3
PA-WW4
PA-WW5
Cu Background
Cu RPRG =
3,100,000 ug/kg

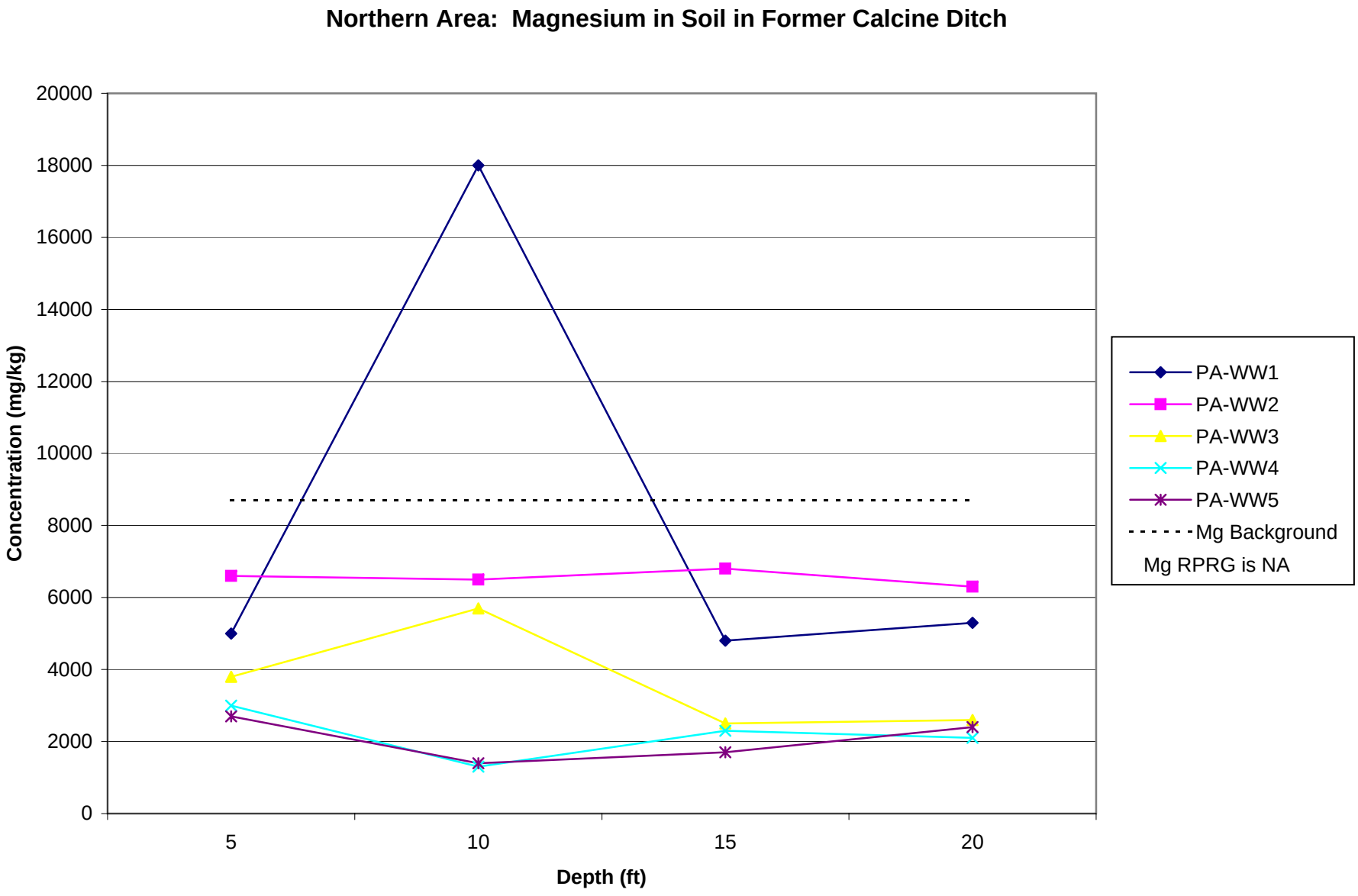

Northern Area: Iron in Soil Near PA-GW23
30000
25000
20000
15000
10000
5000
0
Concentration (mg/kg)
1
5
10
15
20
25
Depth (ft)
PA-FFF10
PA-FFF12
PA-FFF8
PA-II1
PA-HHH1
Fe Background
Fe RPRG

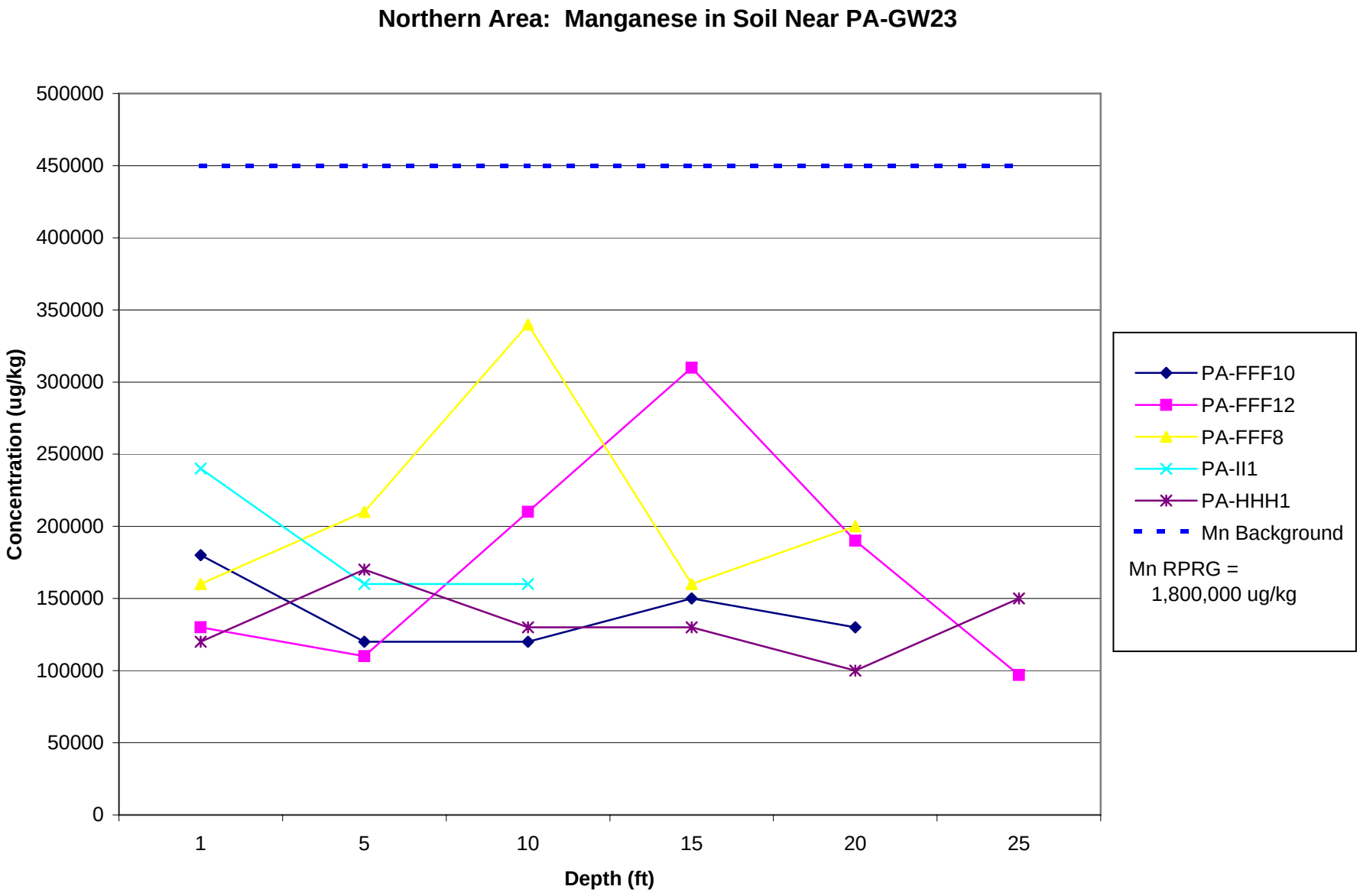

Northern Area: Iron in Soil in Former Calcine Ditch
concentration (mg/kg)
100000
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
5
10
15
20
Depth (ft)
PA-WW1
PA-WW2
PA-WW3
PA-WW4
PA-WW5
Fe Background
Fe RPRG

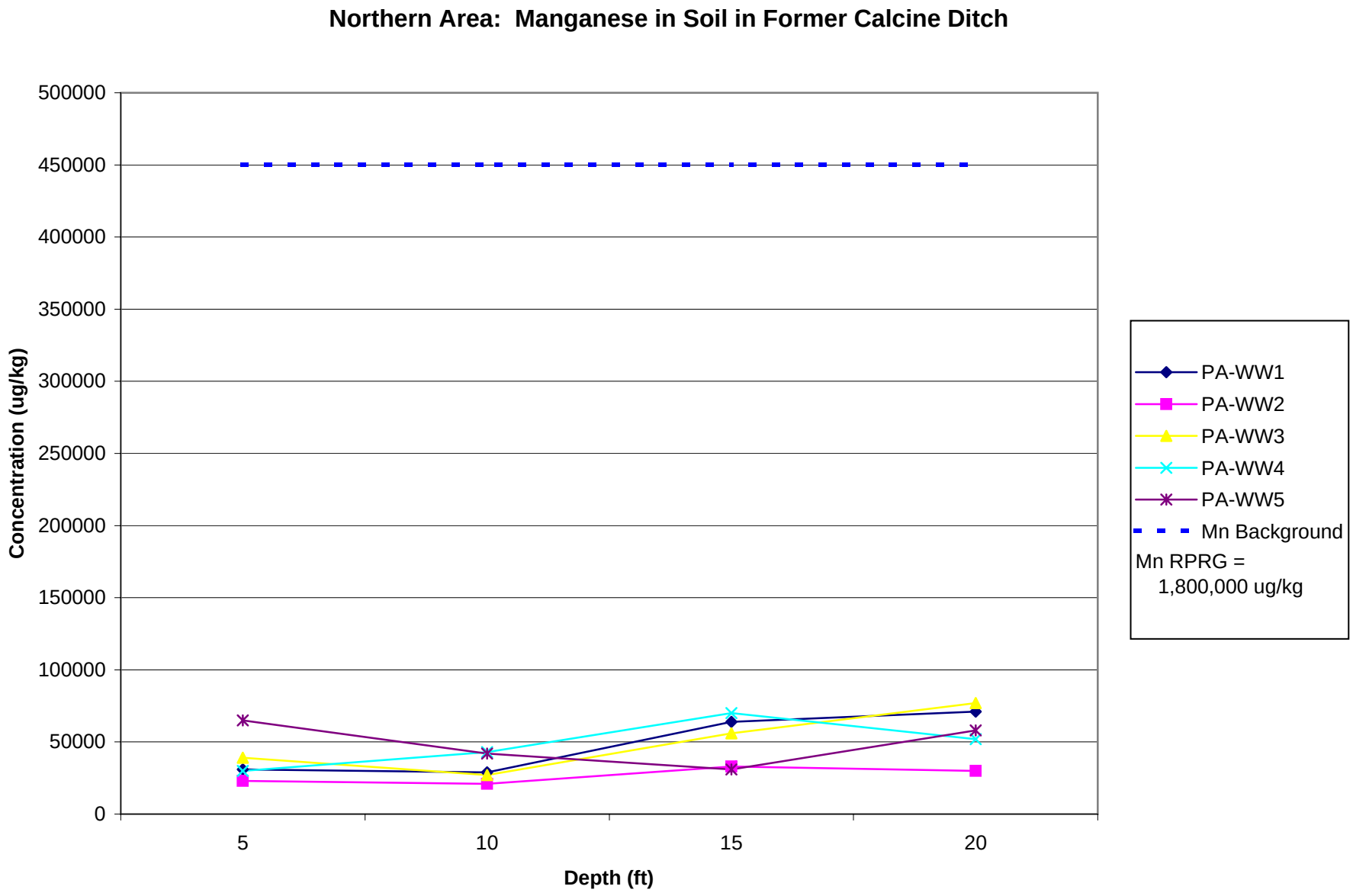

Northern Area: Lead in Soil Near PA-GW23
12000
10000
8000
6000
4000
2000
0
Concentration (ug/kg)
1
5
10
15
20
25
Depth (ft)
PA-FFF10
PA-FFF12
PA-FFF8
PA-II1
PA-HHH1
Pb Background
Pb RPRG =
400,000 ug/kg

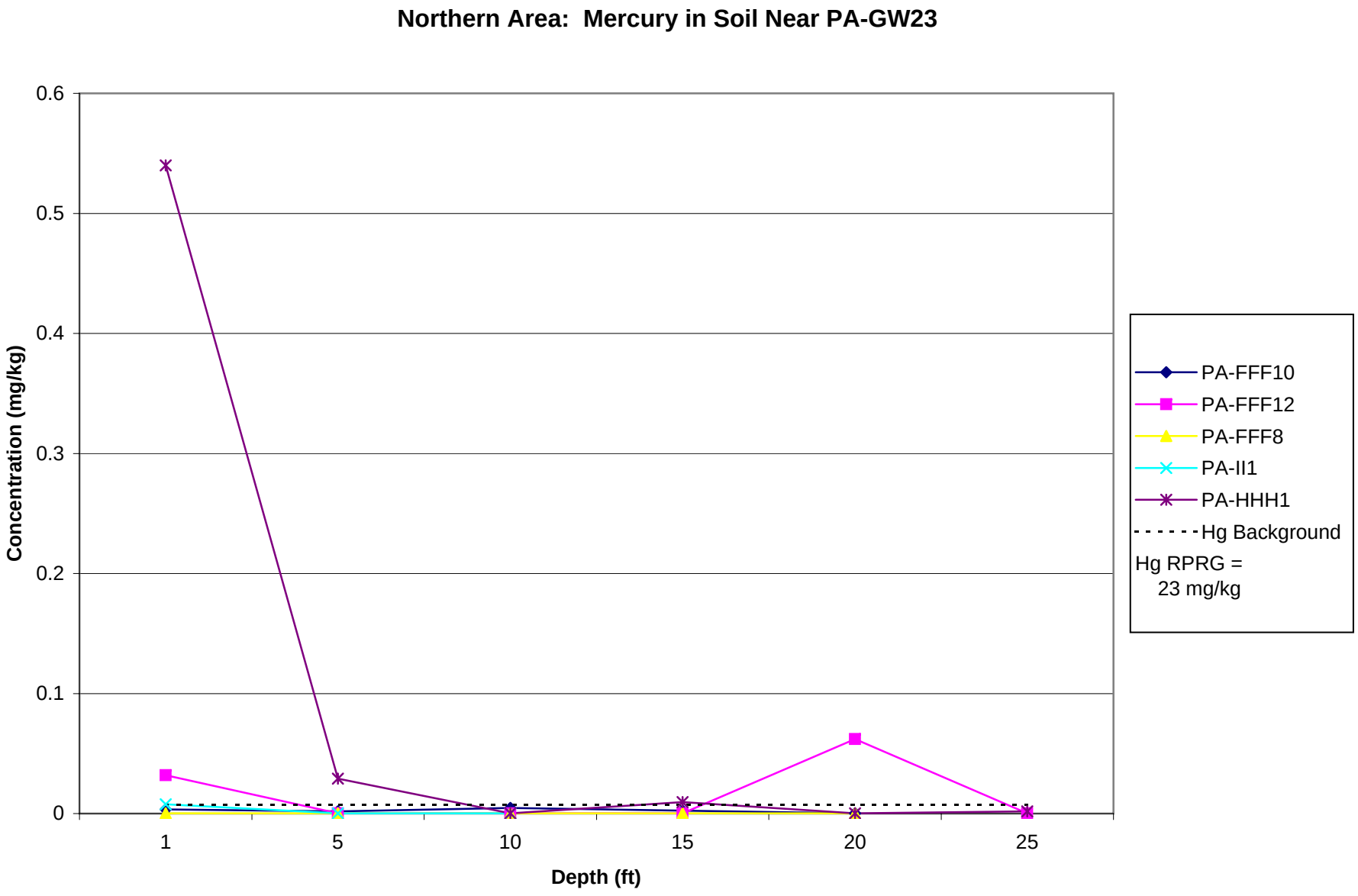

Northern Area: Lead in Soil in Former Calcine Ditch
70000
60000
50000
40000
30000
20000
10000
0
Concentration (ug/kg)
5
10
15
20
Depth (ft)
PA-WW1
PA-WW2
PA-WW3
PA-WW4
PA-WW5
Pb Background
Pb RPRG =
400,000 ug/kg

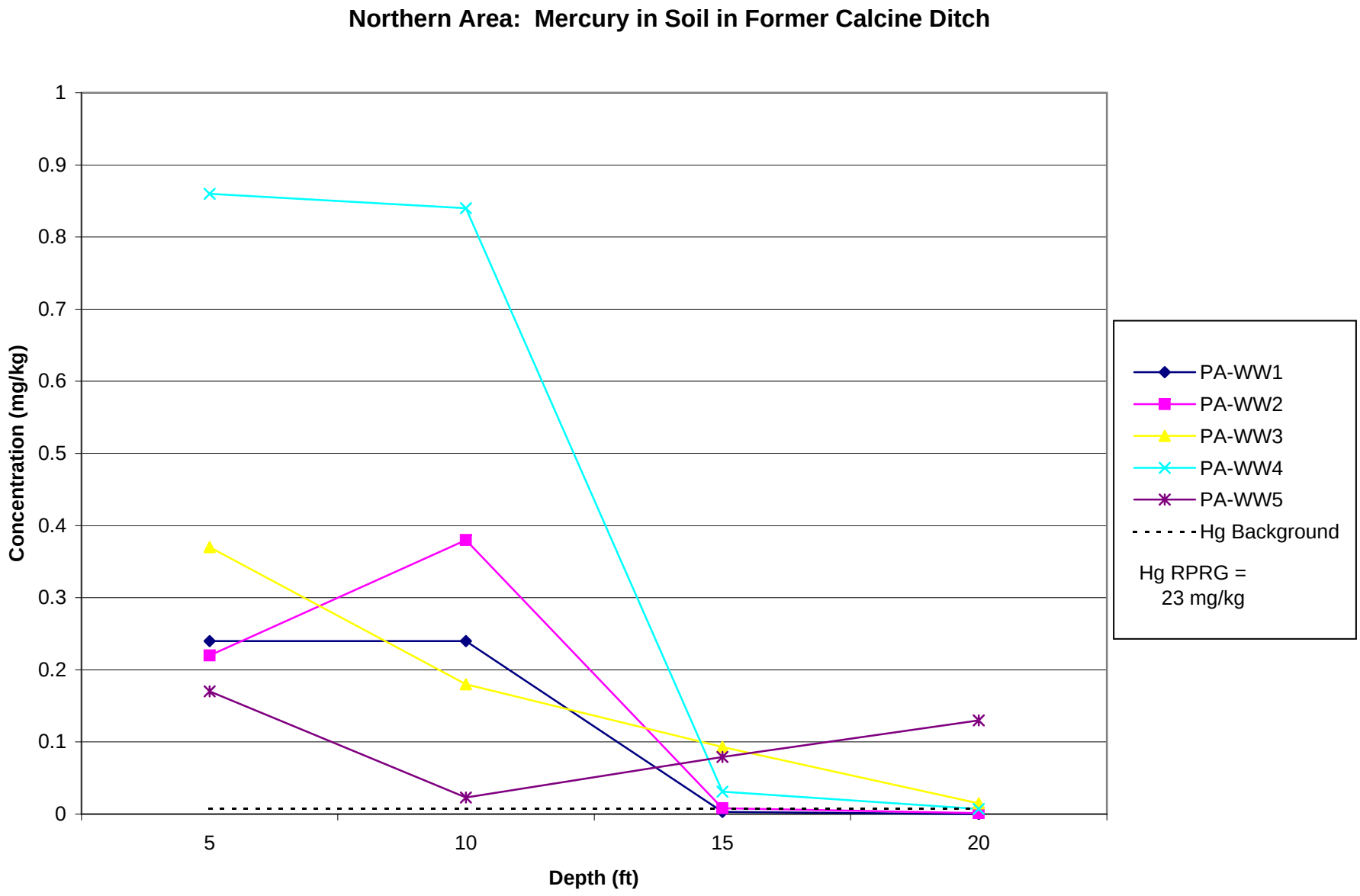

Northern Area: Magnesium in Soil Near PA-GW23
Concentration (mg/kg)
10000
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
1
5
10
15
20
25
Depth (ft)
PA-FFF10
PA-FFF12
PA-FFF8
PA-II1
PA-HHH1
Mg Background
Mg RPRG is NA

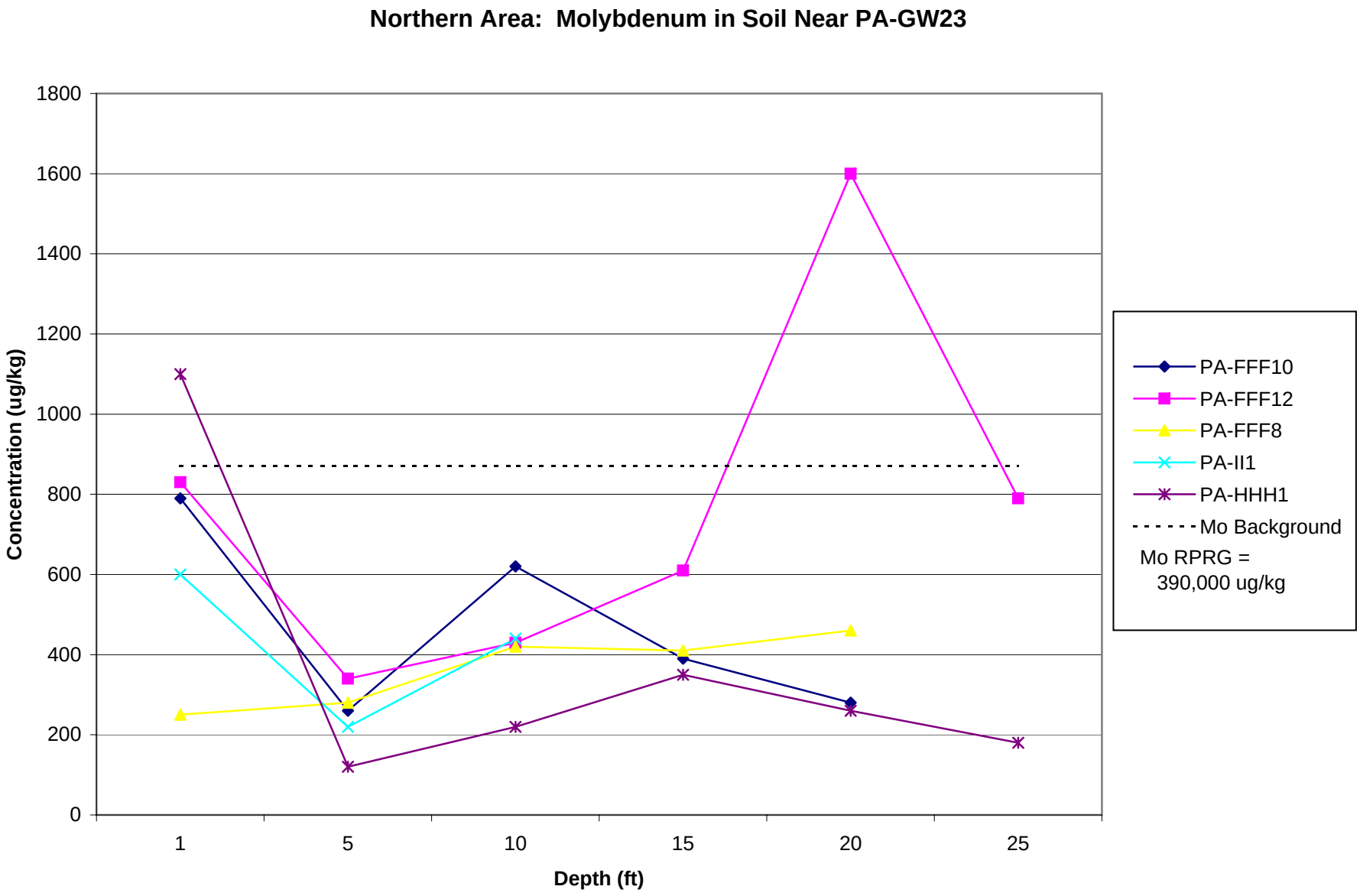

Northern Area: Magnesium in Soil in Former Calcine Ditch
Concentration (mg/kg)
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
5
10
15
20
Depth (ft)
PA-WW1
PA-WW2
PA-WW3
PA-WW4
PA-WW5
Mg Background
Mg RPRG is NA

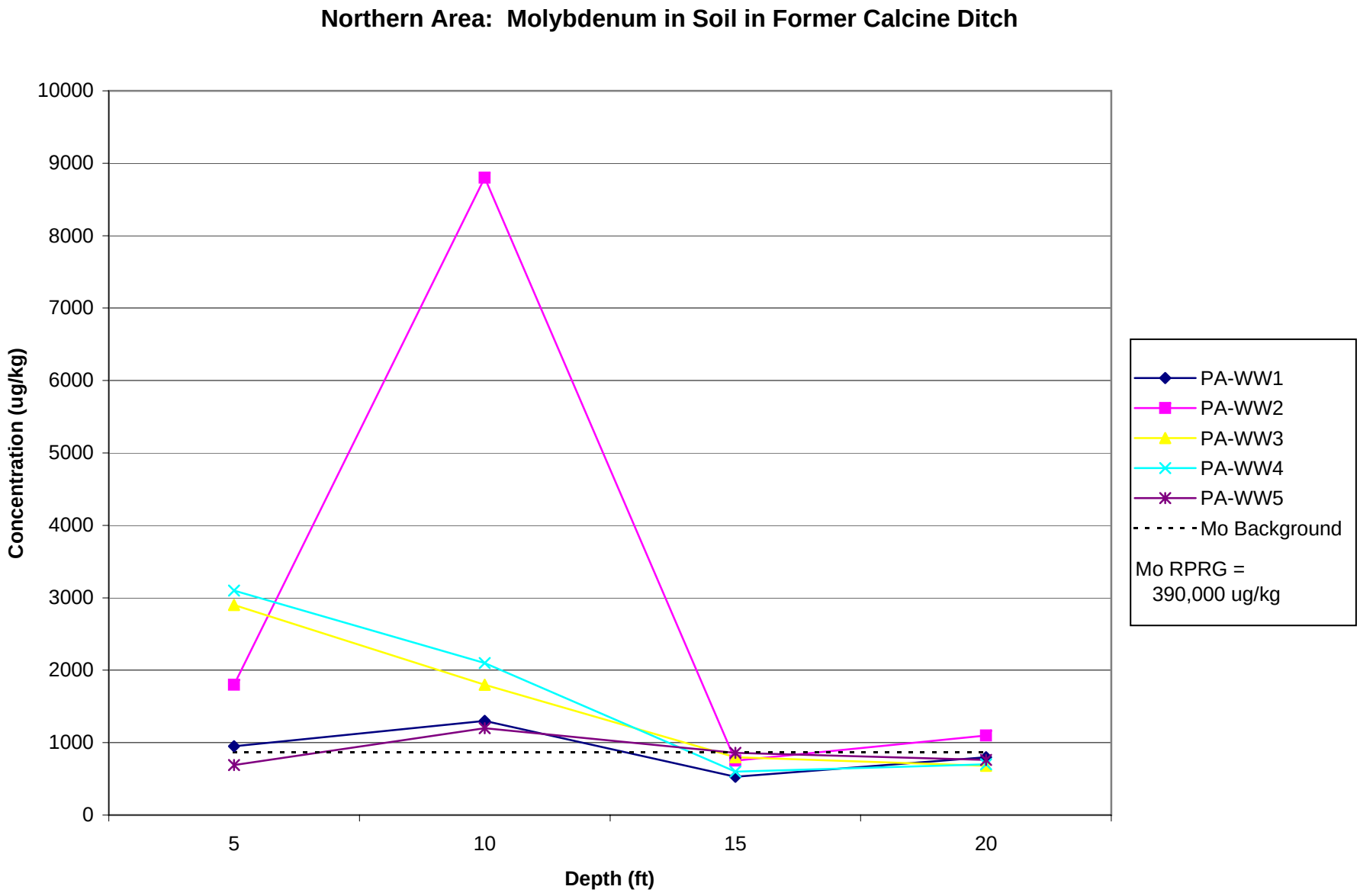

Northern Area: Manganese in Soil Near PA-GW23
500000
450000
400000
350000
300000
250000
200000
150000
100000
50000
0
Concentration (ug/kg)
1
5
10
15
20
25
Depth (ft)
PA-FFF10
PA-FFF12
PA-FFF8
PA-II1
PA-HHH1
Mn Background
Mn RPRG =
1,800,000 ug/kg

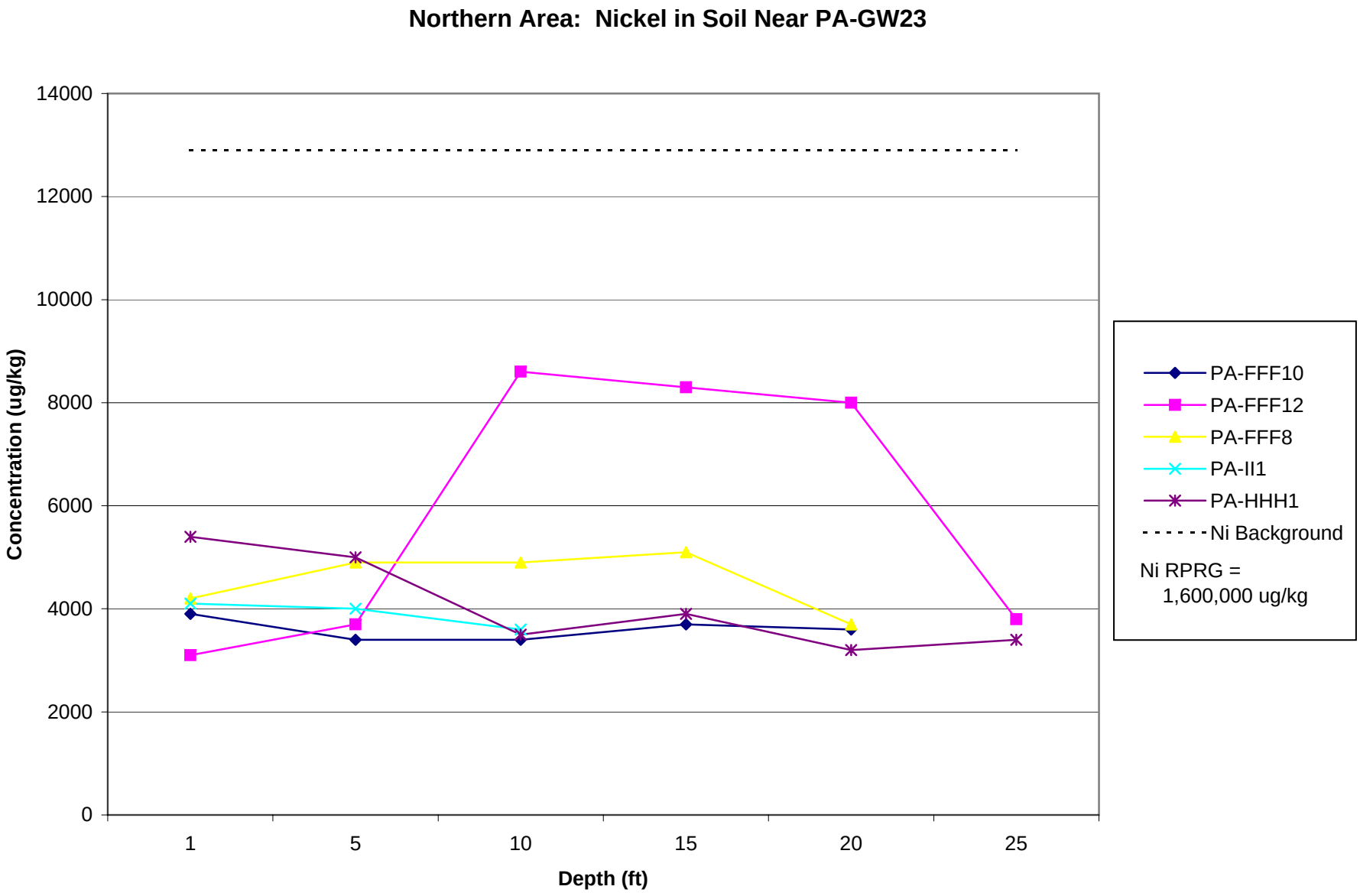

Northern Area: Manganese in Soil in Former Calcine Ditch
500000
450000
400000
350000
300000
250000
200000
150000
100000
50000
0
Concentration (ug/kg)
5
10
15
20
Depth (ft)
PA-WW1
PA-WW2
PA-WW3
PA-WW4
PA-WW5
Mn Background
Mn RPRG =
1,800,000 ug/kg

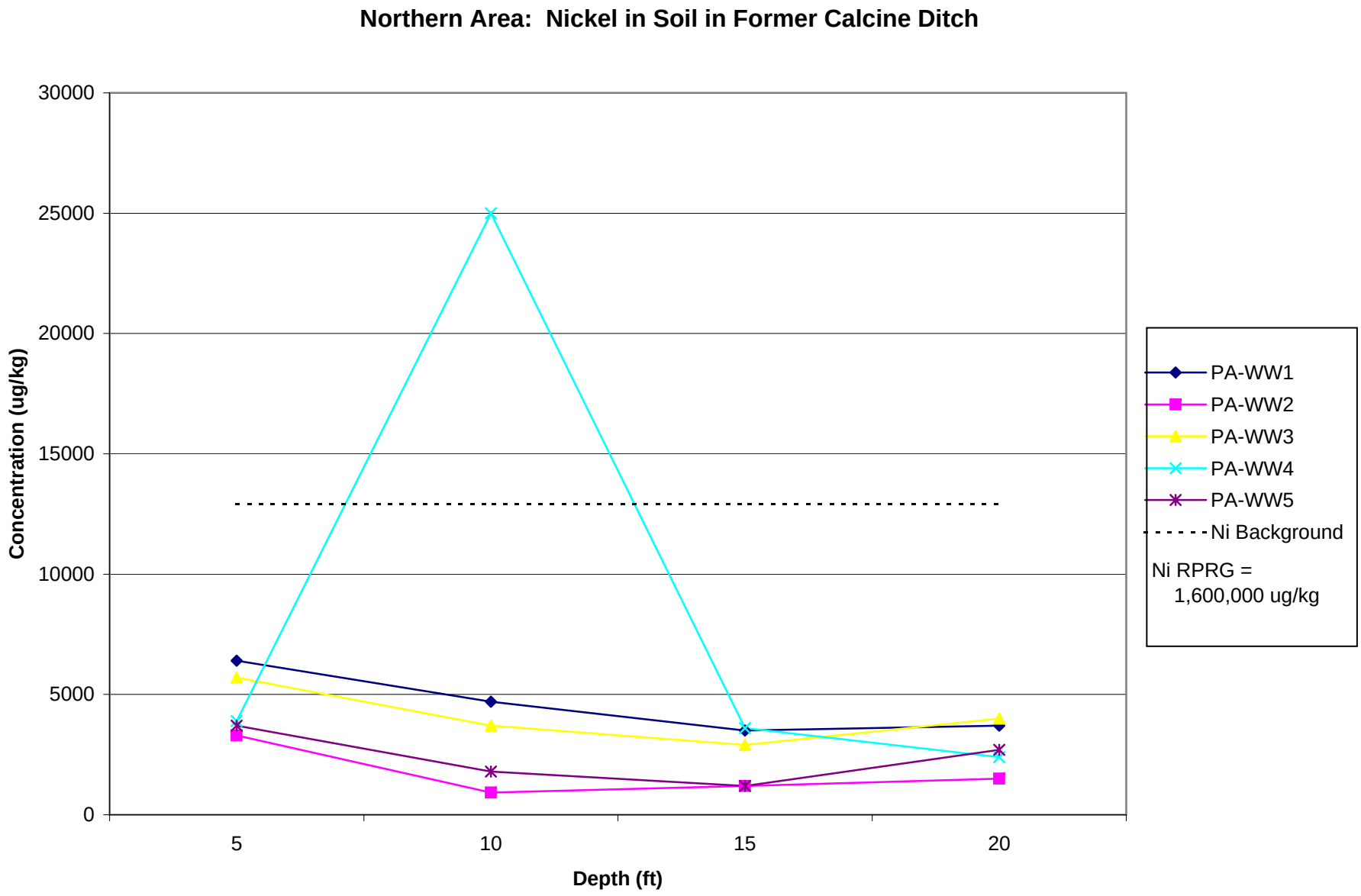

Northern Area: Mercury in Soil Near PA-GW23
Concentration (mg/kg)
0.6
0.5
0.4
0.3
0.2
0.1
0
1
5
10
15
20
25
Depth (ft)
PA-FFF10
PA-FFF12
PA-FFF8
PA-II1
PA-HHH1
Hg Background
Hg RPRG =
23 mg/kg

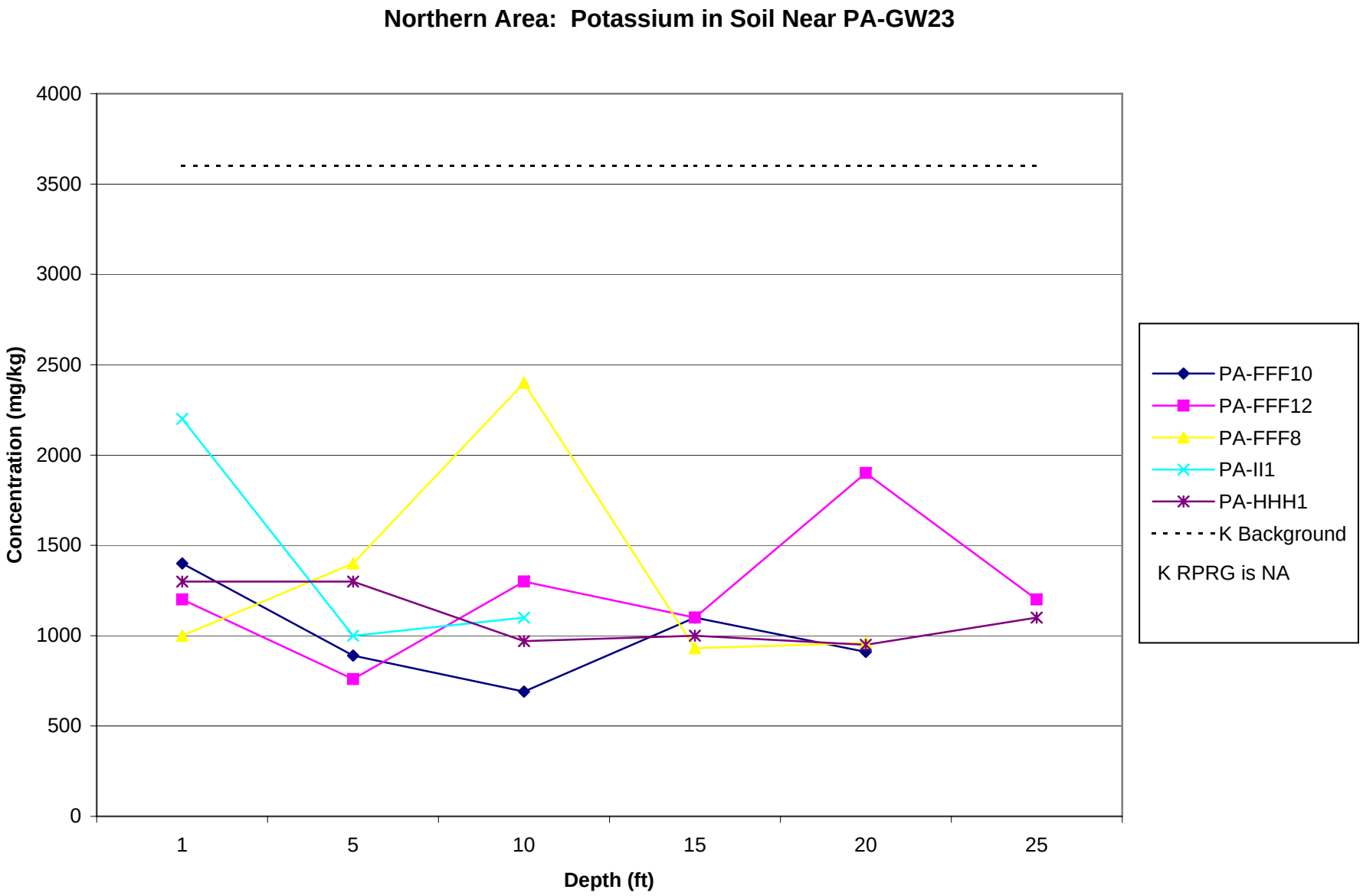

Northern Area: Mercury in Soil in Former Calcine Ditch
Concentration (mg/kg)
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
5
10
15
20
Depth (ft)
PA-WW1
PA-WW2
PA-WW3
PA-WW4
PA-WW5
Hg Background
Hg RPRG =
23 mg/kg

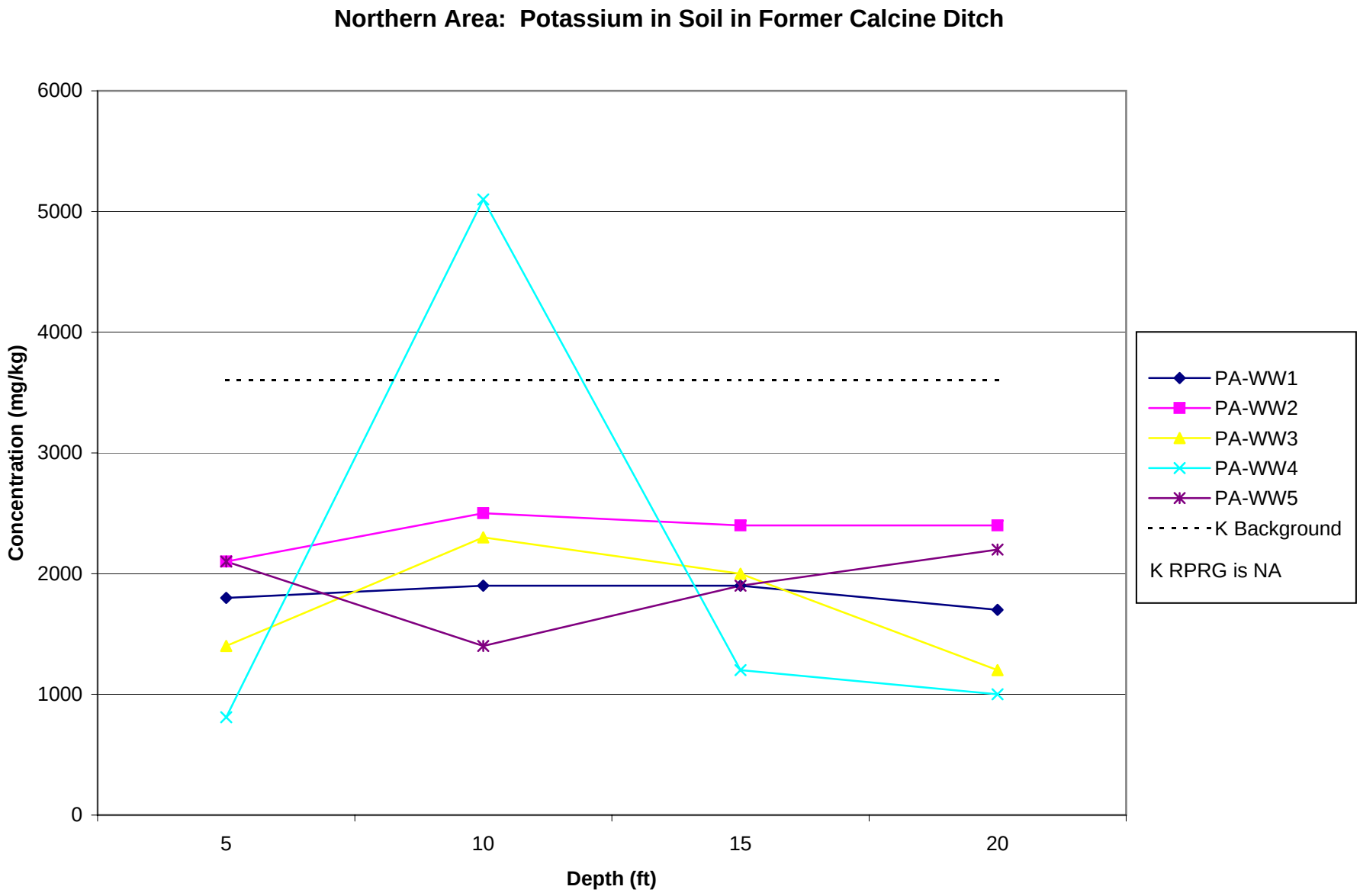

Northern Area: Molybdenum in Soil Near PA-GW23
Concentration (ug/kg)
1800
1600
1400
1200
1000
800
600
400
200
0
1
5
10
15
20
25
Depth (ft)
PA-FFF10
PA-FFF12
PA-FFF8
PA-II1
PA-HHH1
Mo Background
Mo RPRG =
390,000 ug/kg

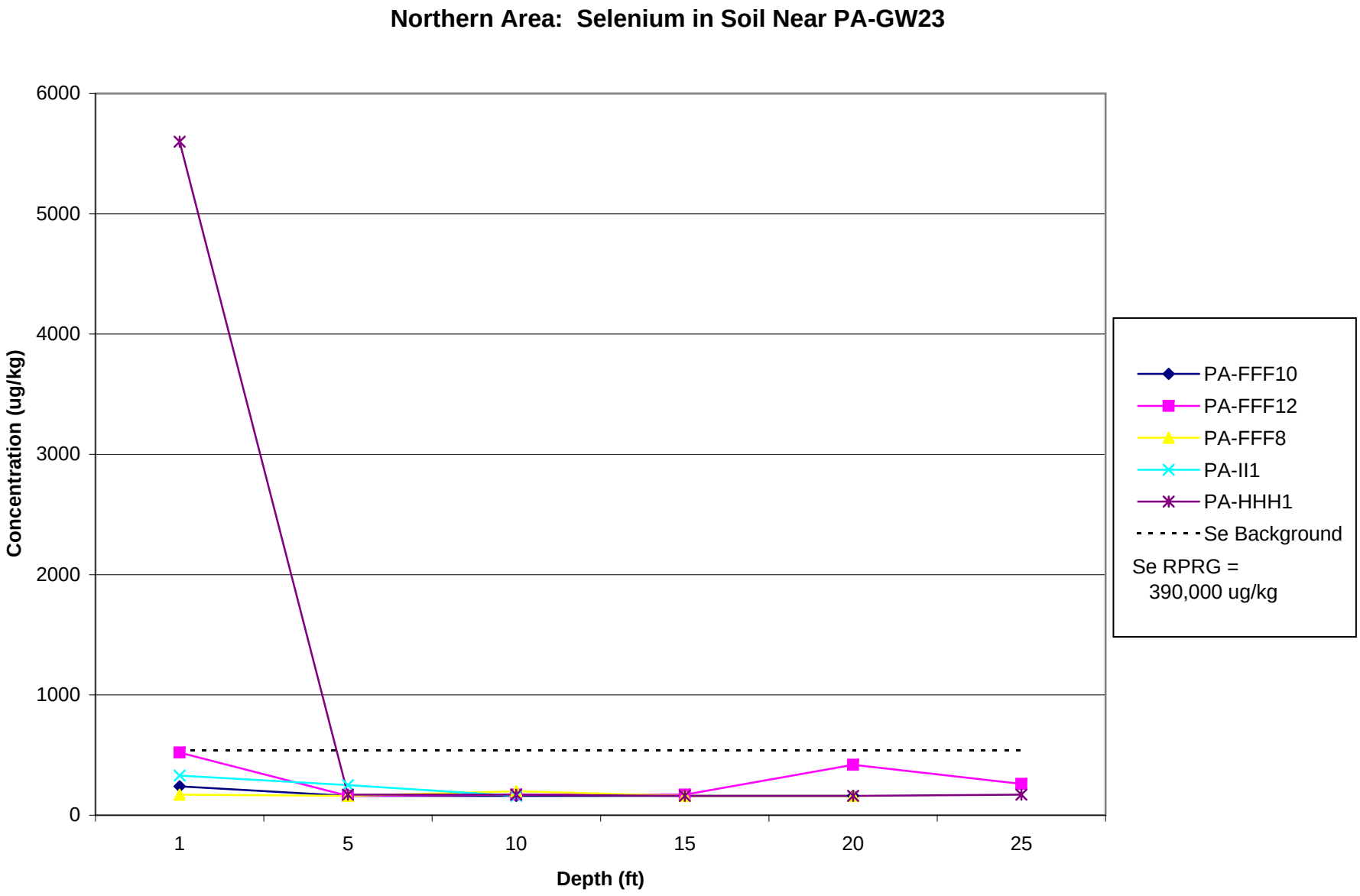

Northern Area: Molybdenum in Soil in Former Calcine Ditch
Concentration (ug/kg)
10000
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
5
10
15
20
Depth (ft)
PA-WW1
PA-WW2
PA-WW3
PA-WW4
PA-WW5
Mo Background
Mo RPRG =
390,000 ug/kg

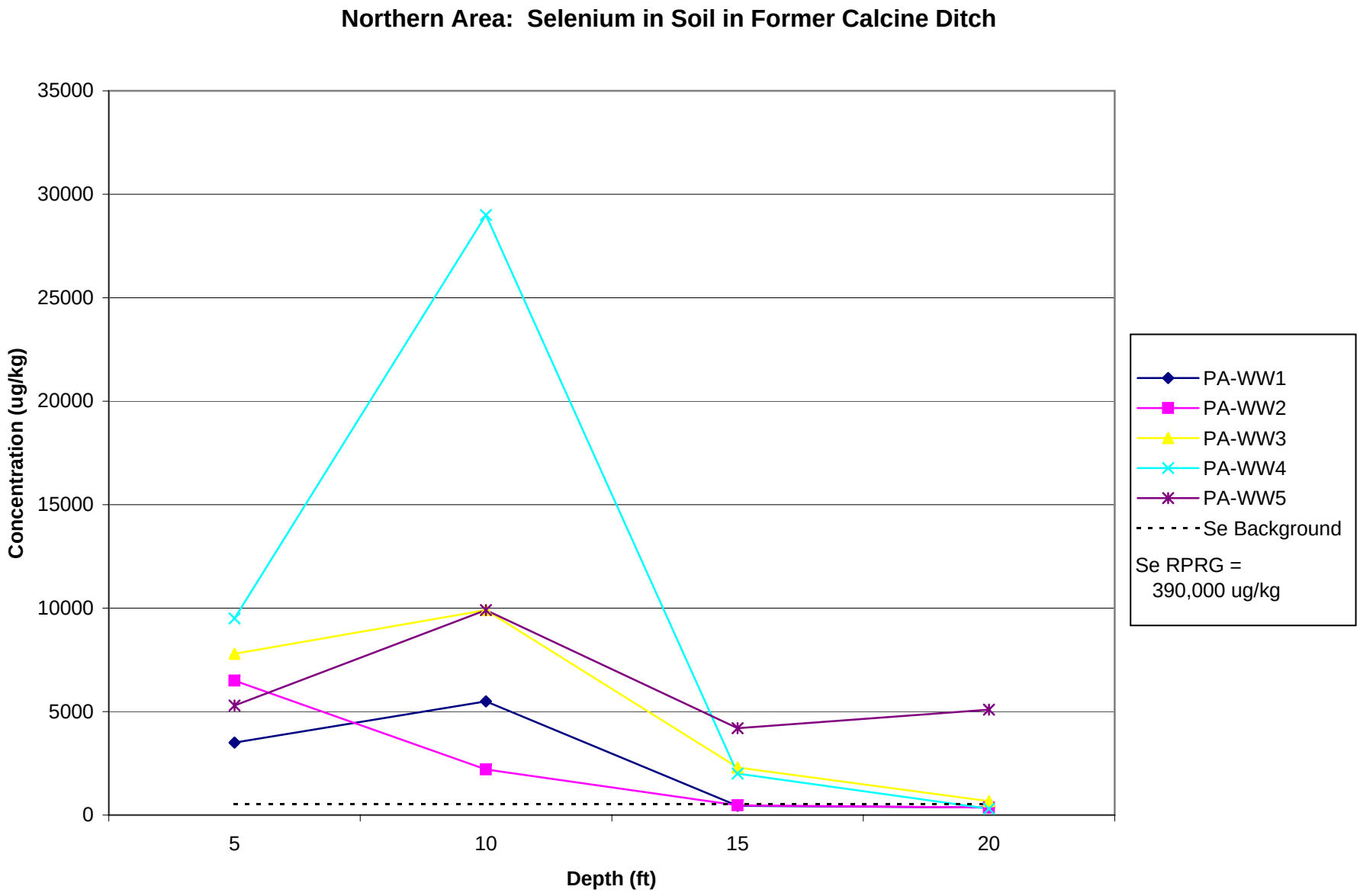

Northern Area: Nickel in Soil Near PA-GW23
14000
12000
10000
8000
6000
4000
2000
0
Concentration (ug/kg)
1
5
10
15
20
25
Depth (ft)
PA-FFF10
PA-FFF12
PA-FFF8
PA-II1
PA-HHH1
Ni Background
Ni RPRG =
1,600,000 ug/kg

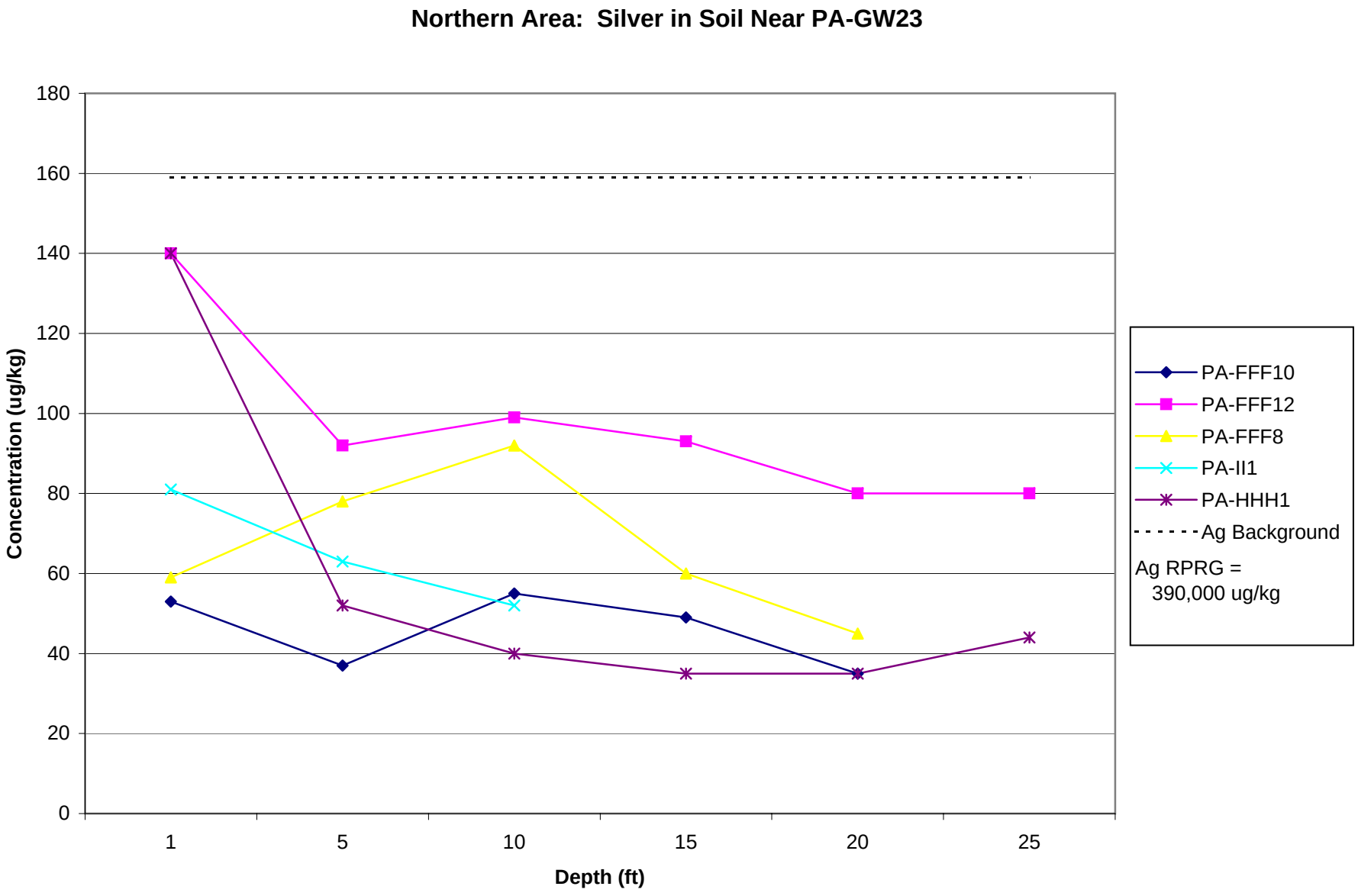

Northern Area: Nickel in Soil in Former Calcine Ditch
30000
25000
20000
15000
10000
5000
0
Concentration (ug/kg)
5
10
15
20
Depth (ft)
PA-WW1
PA-WW2
PA-WW3
PA-WW4
PA-WW5
Ni Background
Ni RPRG =
1,600,000 ug/kg

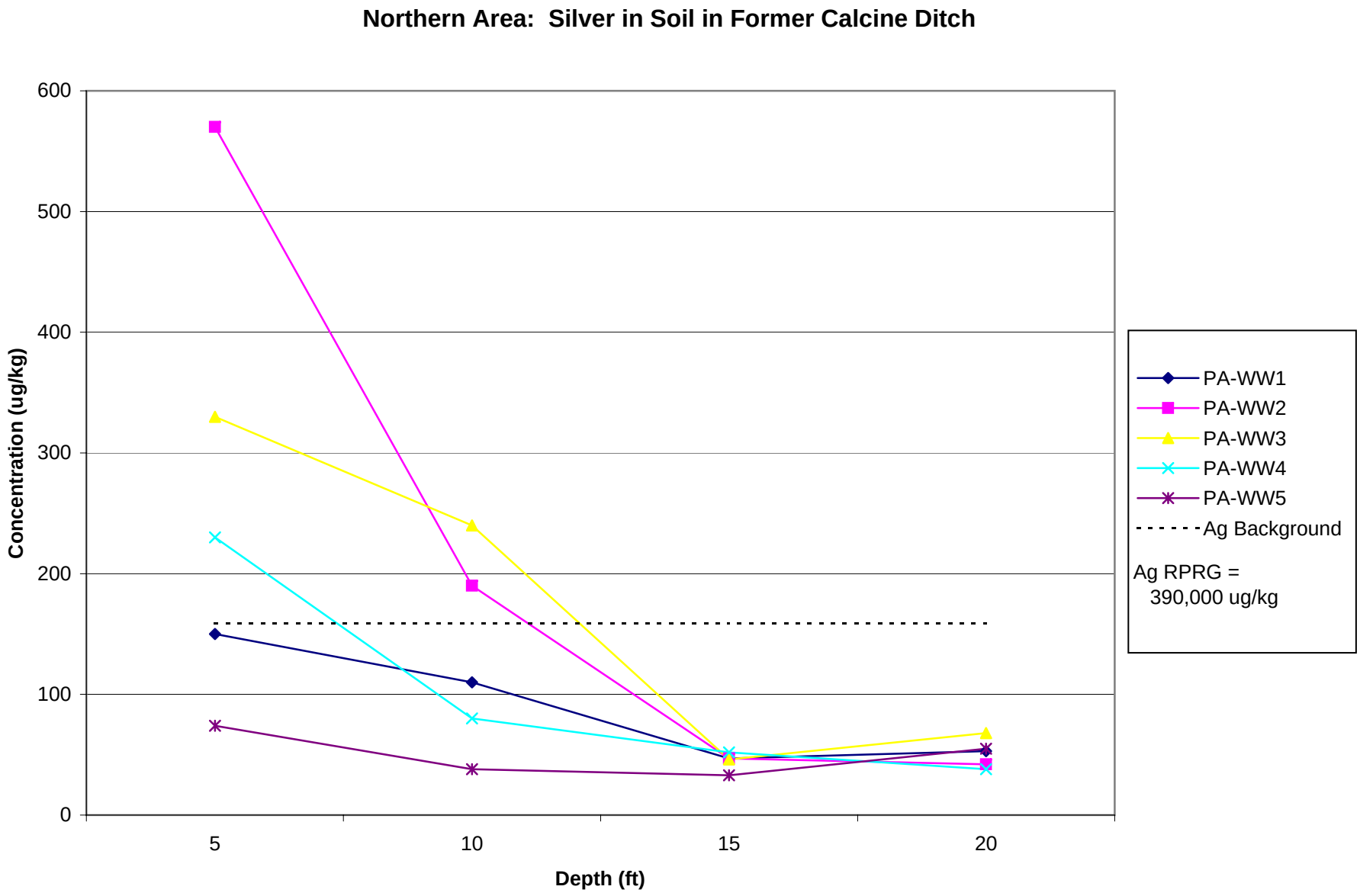

Northern Area: Potassium in Soil Near PA-GW23
Concentration (mg/kg)
4000
3500
3000
2500
2000
1500
1000
500
0
1
5
10
15
20
25
Depth (ft)
PA-FFF10
PA-FFF12
PA-FFF8
PA-II1
PA-HHH1
K Background
K RPRG is NA

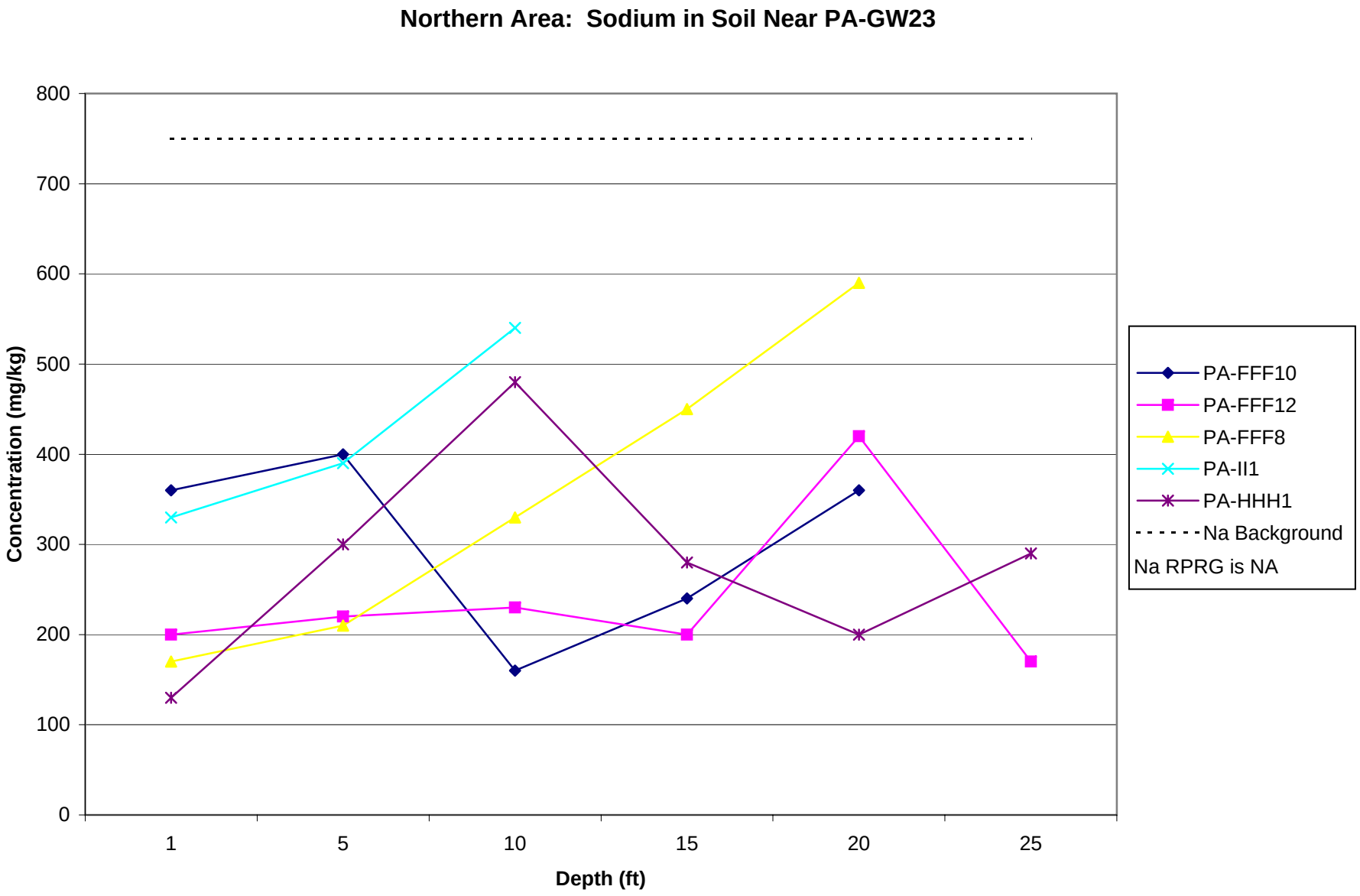

Northern Area: Potassium in Soil in Former Calcine Ditch
6000
5000
4000
3000
2000
1000
0
Concentration (mg/kg)
5
10
15
20
Depth (ft)
PA-WW1
PA-WW2
PA-WW3
PA-WW4
PA-WW5
K Background
K RPRG is NA

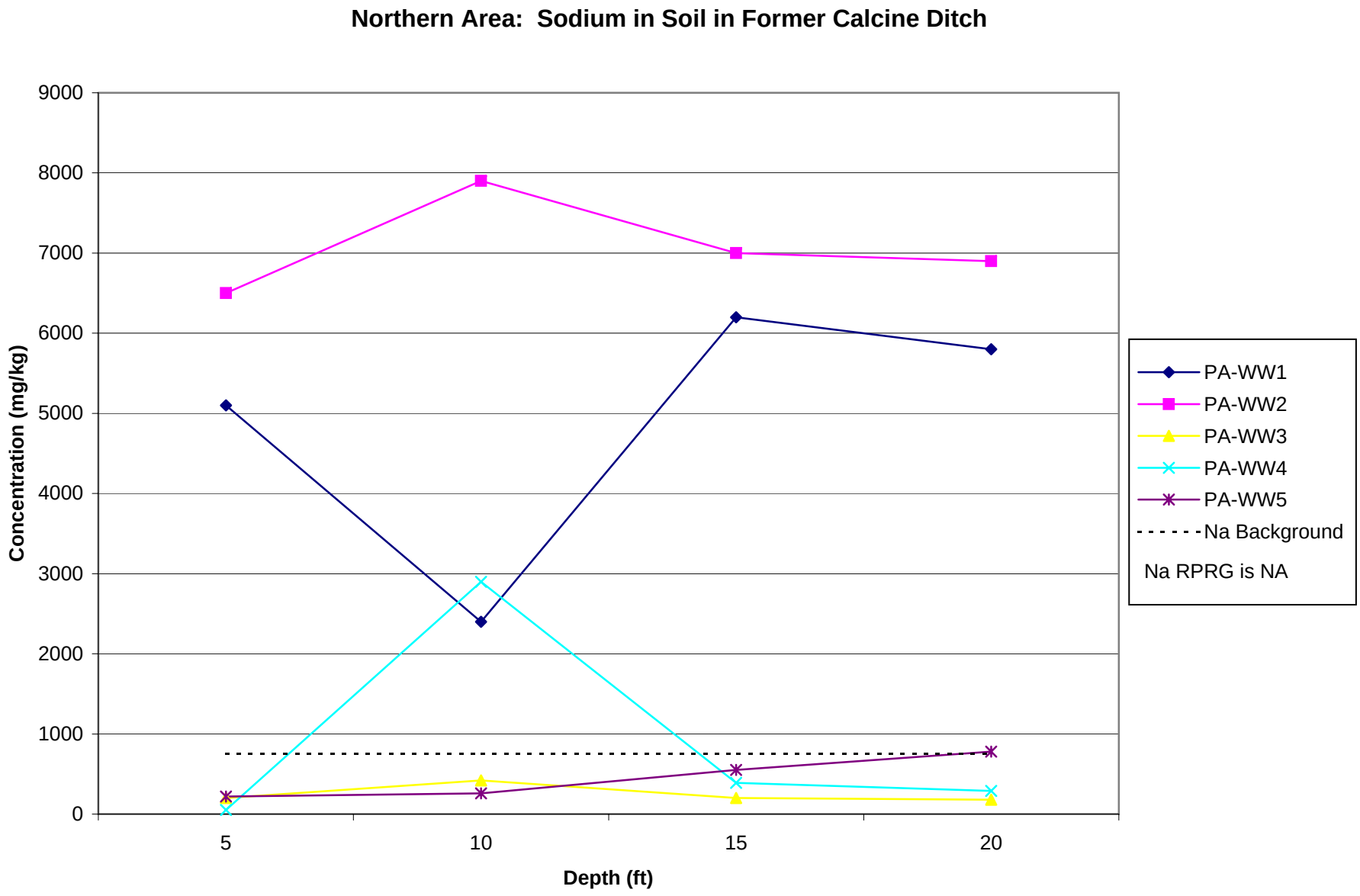

Northern Area: Selenium in Soil Near PA-GW23
Concentration (ug/kg)
6000
5000
4000
3000
2000
1000
0
1
5
10
15
20
25
Depth (ft)
PA-FFF10
PA-FFF12
PA-FFF8
PA-II1
PA-HHH1
Se Background
Se RPRG =
390,000 ug/kg

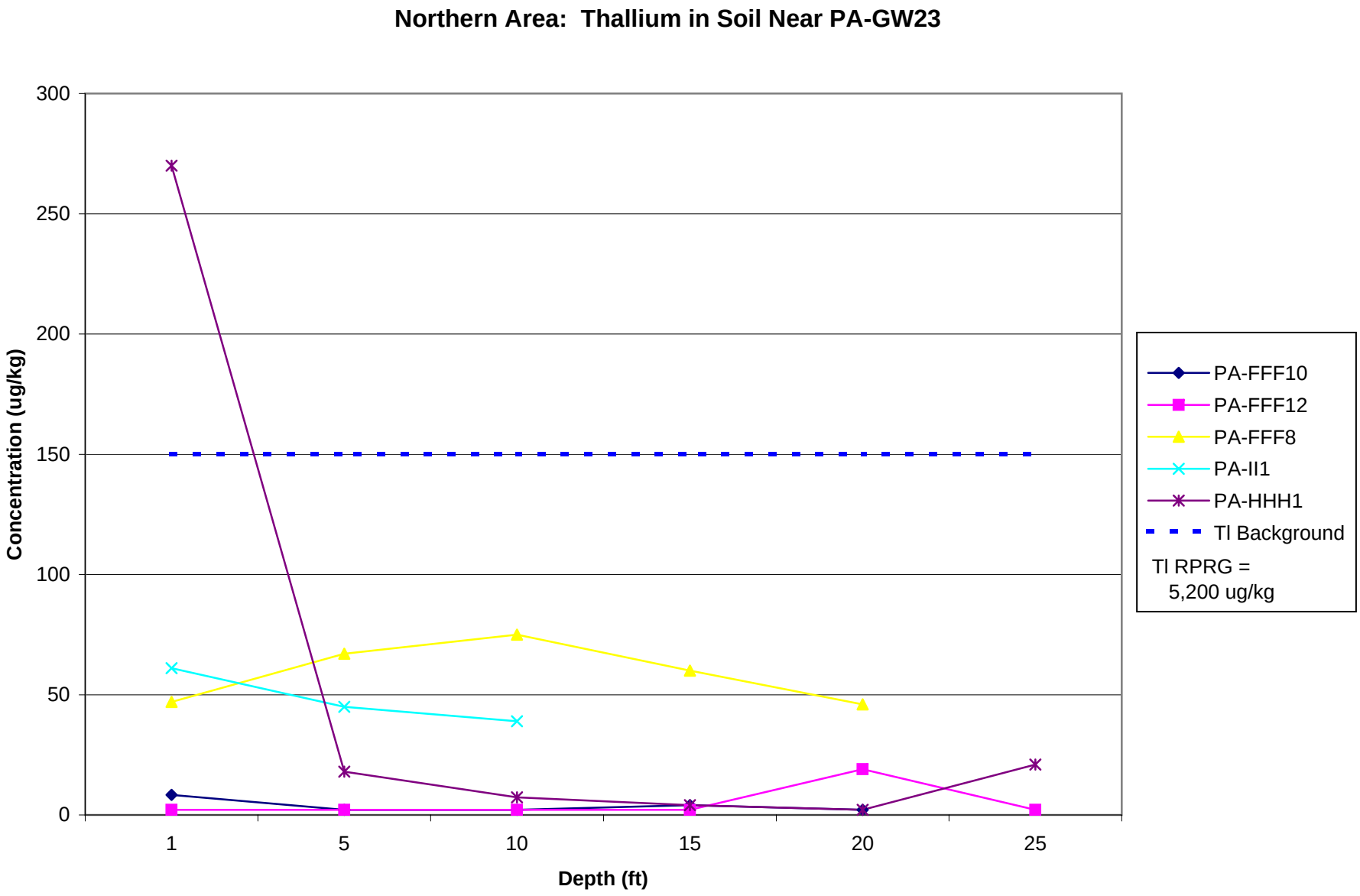

Northern Area: Selenium in Soil in Former Calcine Ditch
35000
30000
25000
20000
15000
10000
5000
0
Concentration (ug/kg)
5
10
15
20
Depth (ft)
PA-WW1
PA-WW2
PA-WW3
PA-WW4
PA-WW5
Se Background
Se RPRG =
390,000 ug/kg

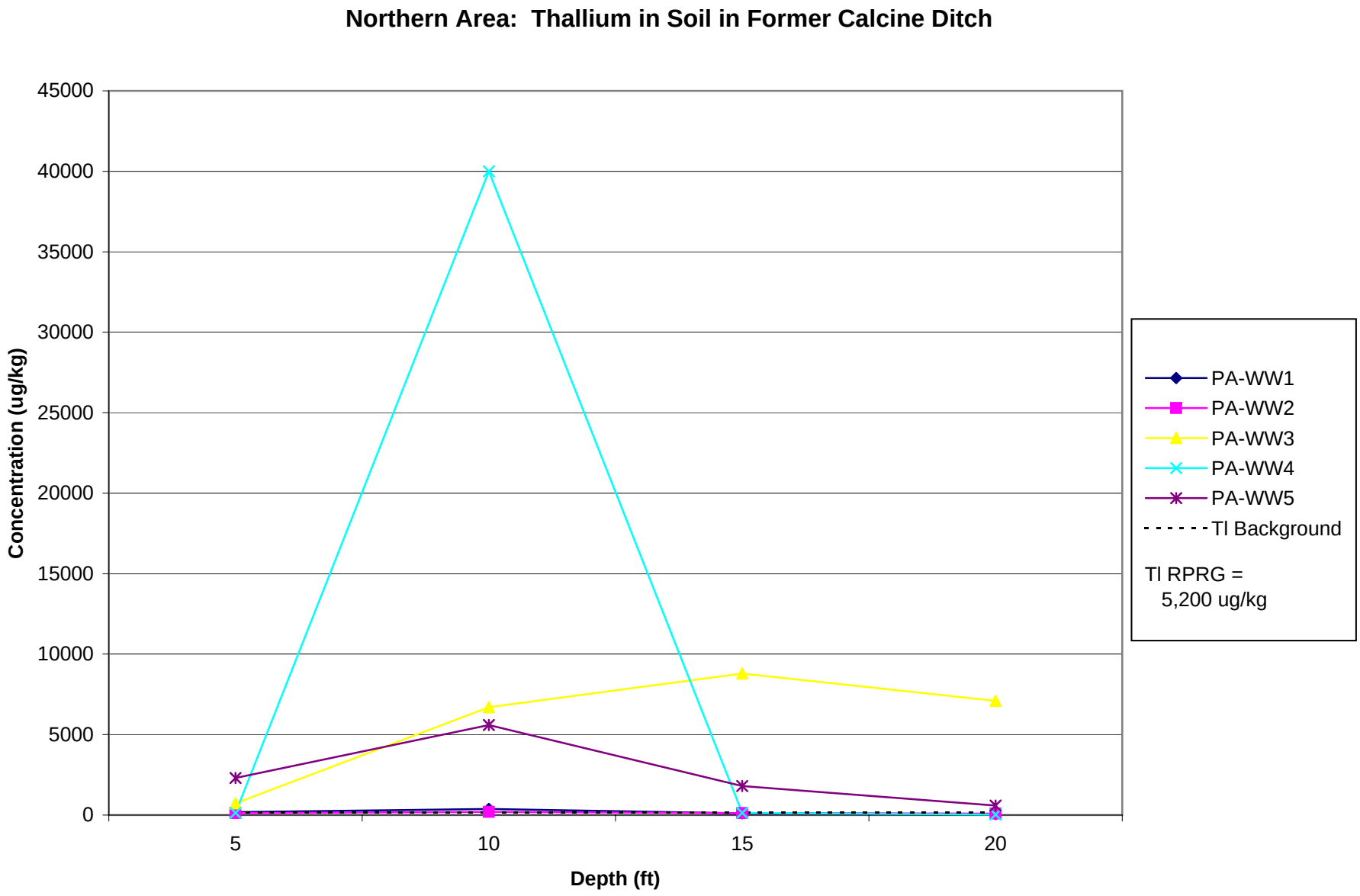

Northern Area: Silver in Soil Near PA-GW23
Concentration (ug/kg)
180
160
140
120
100
80
60
40
20
0
1
5
10
15
20
25
Depth (ft)
PA-FFF10
PA-FFF12
PA-FFF8
PA-II1
PA-HHH1
Ag Background
Ag RPRG =
390,000 ug/kg

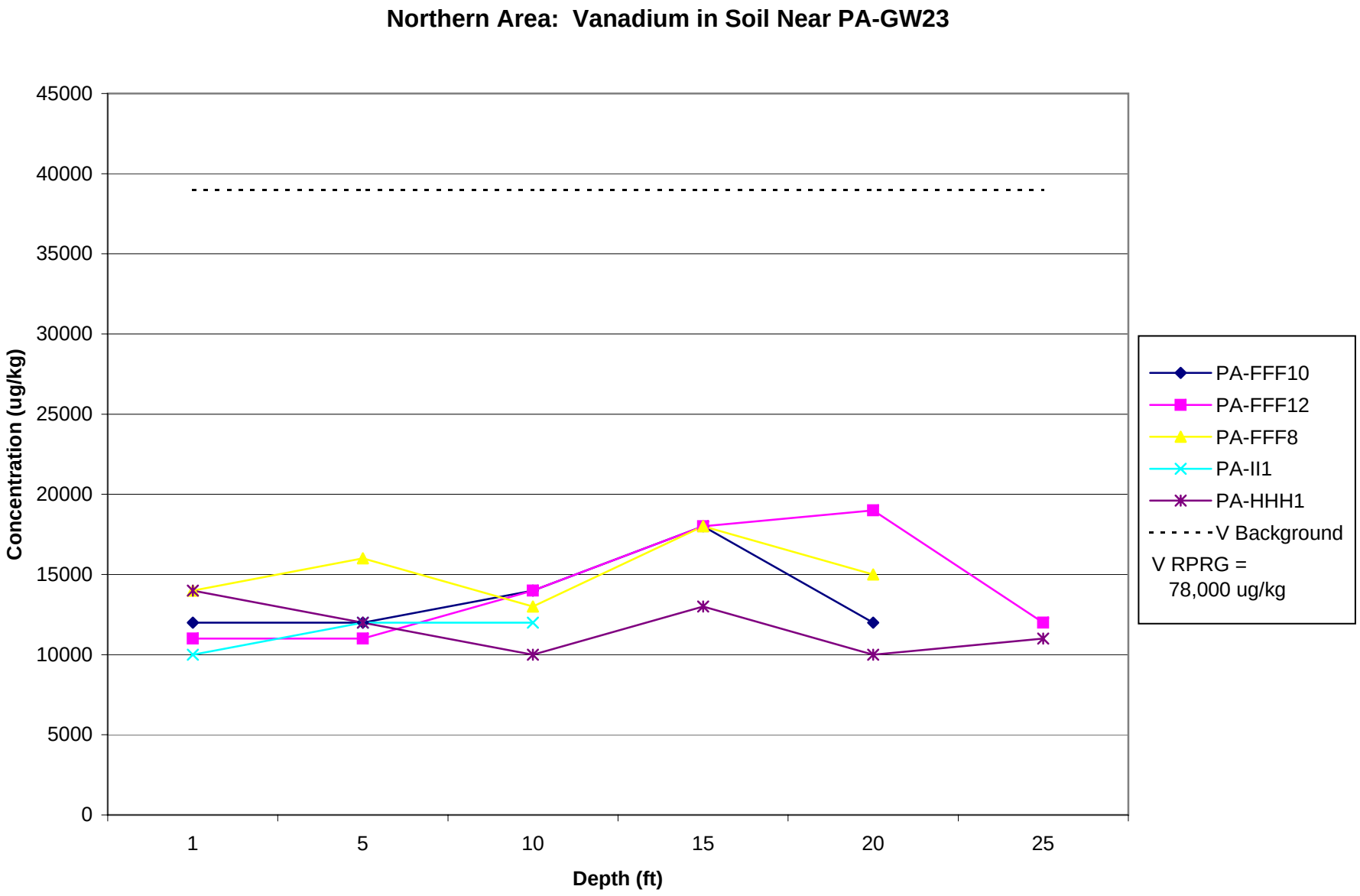

Northern Area: Silver in Soil in Former Calcine Ditch
600
500
400
300
200
100
0
Concentration (ug/kg)
5
10
15
20
Depth (ft)
PA-WW1
PA-WW2
PA-WW3
PA-WW4
PA-WW5
Ag Background
Ag RPRG =
390,000 ug/kg

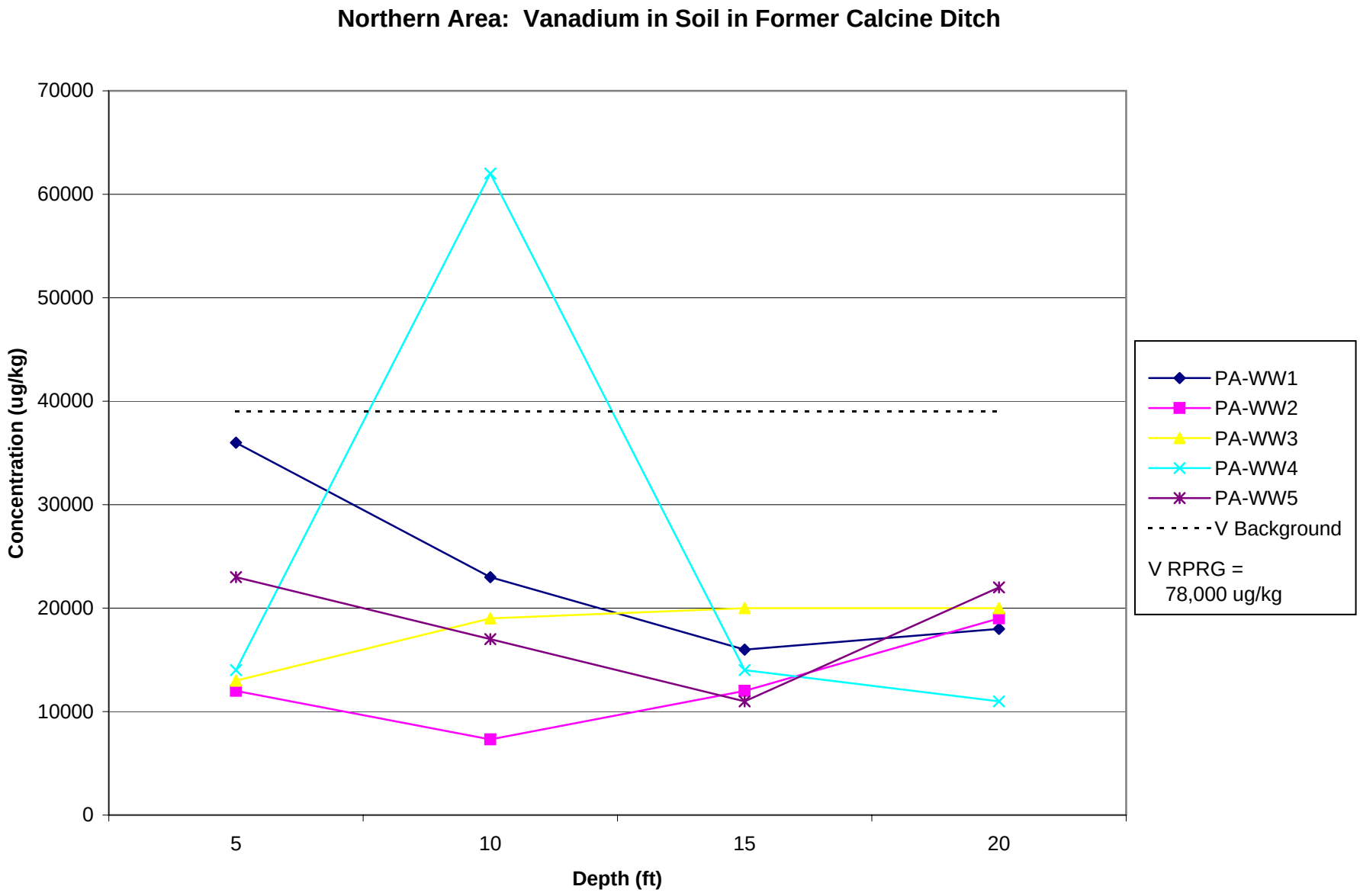

Northern Area: Sodium in Soil Near PA-GW23
Concentration (mg/kg)
800
700
600
500
400
300
200
100
0
1
5
10
15
20
25
Depth (ft)
PA-FFF10
PA-FFF12
PA-FFF8
PA-II1
PA-HHH1
Na Background
Na RPRG is NA

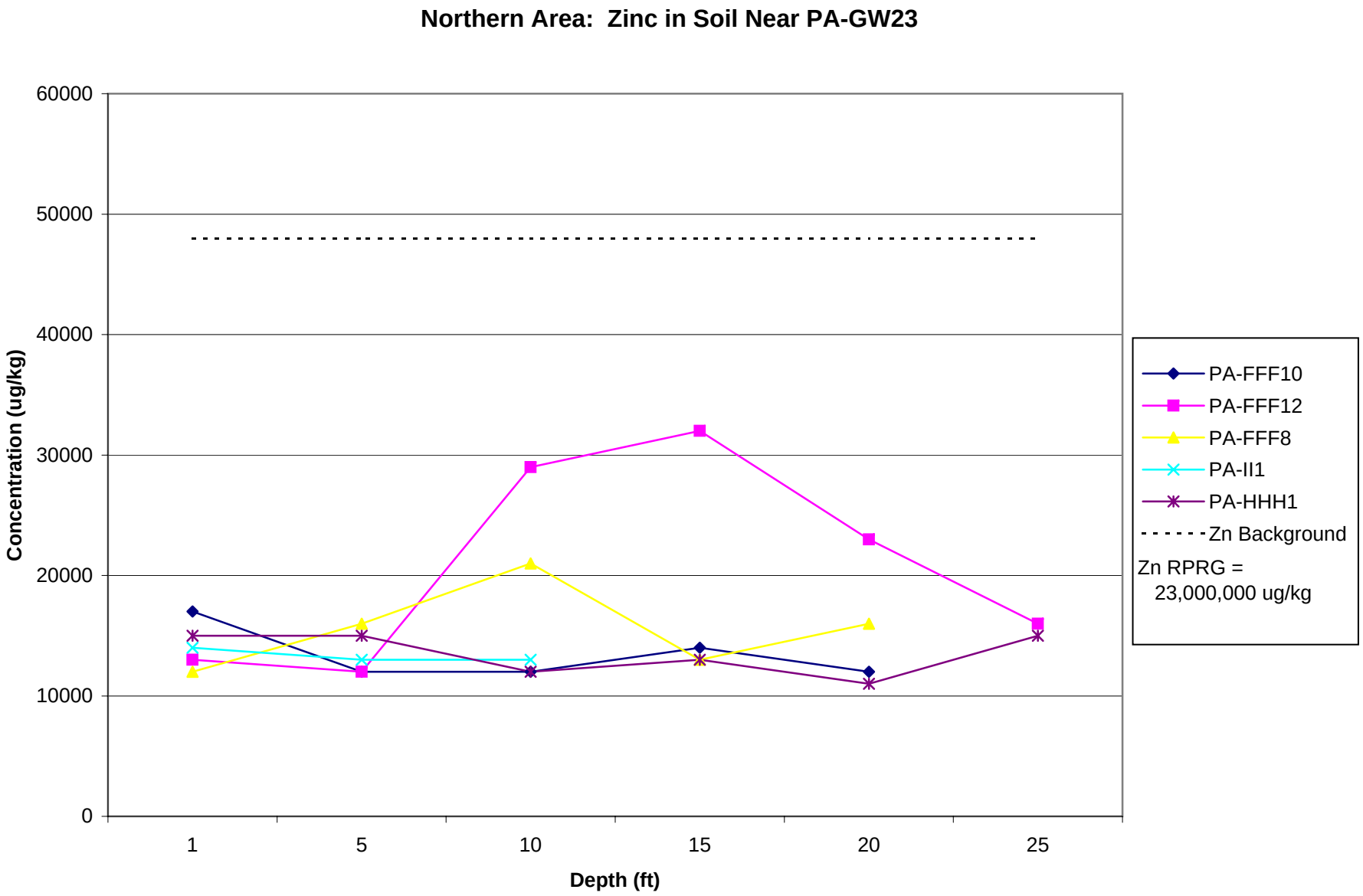

Northern Area: Sodium in Soil in Former Calcine Ditch
Concentration (mg/kg)
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
5
10
15
20
Depth (ft)
PA-WW1
PA-WW2
PA-WW3
PA-WW4
PA-WW5
Na Background
Na RPRG is NA

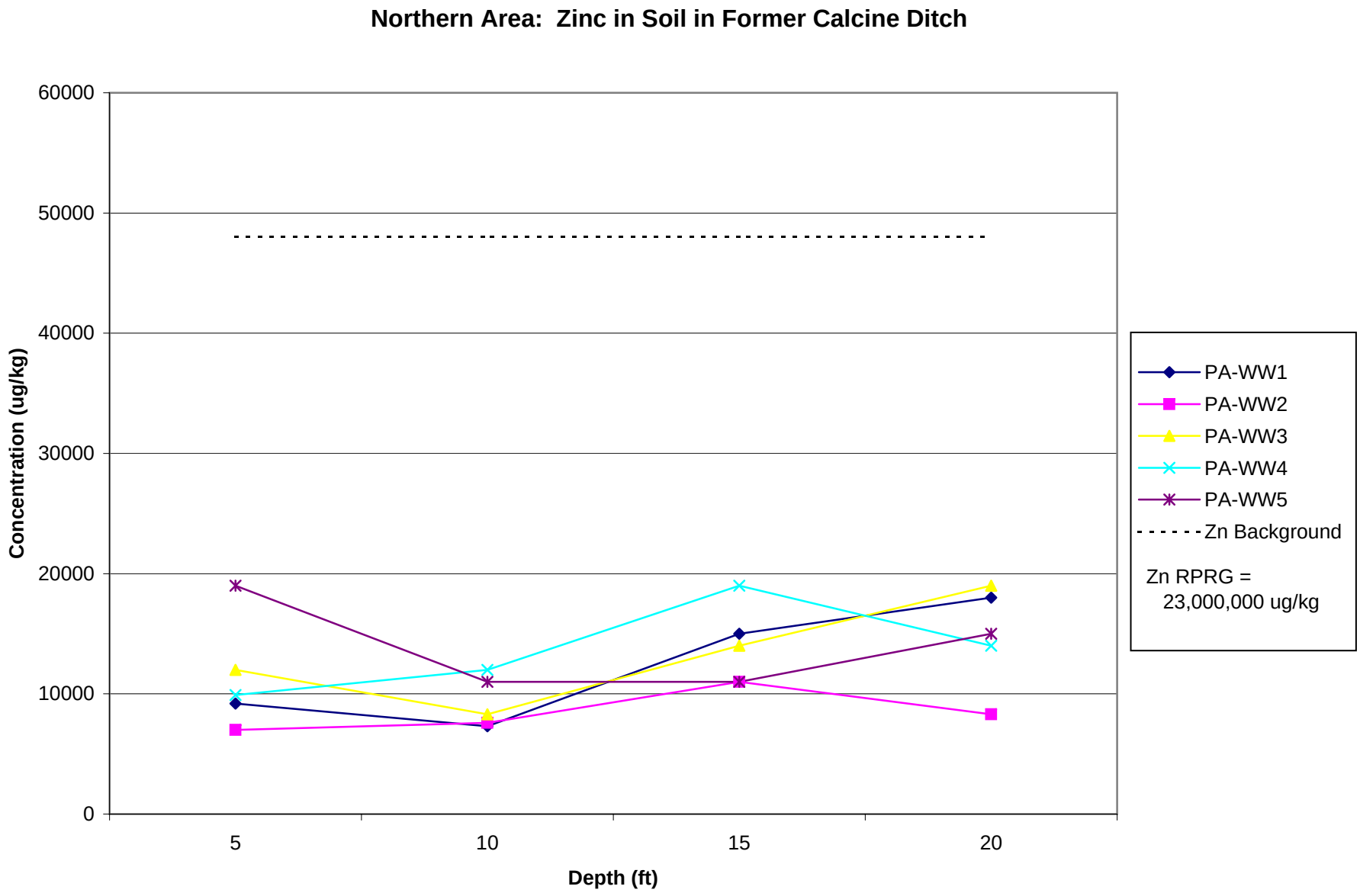

Northern Area: Thallium in Soil Near PA-GW23
Concentration (ug/kg)
300
250
200
150
100
50
0
1
5
10
15
20
25
Depth (ft)
PA-FFF10
PA-FFF12
PA-FFF8
PA-II1
PA-HHH1
Tl Background
Tl RPRG =
5,200 ug/kg

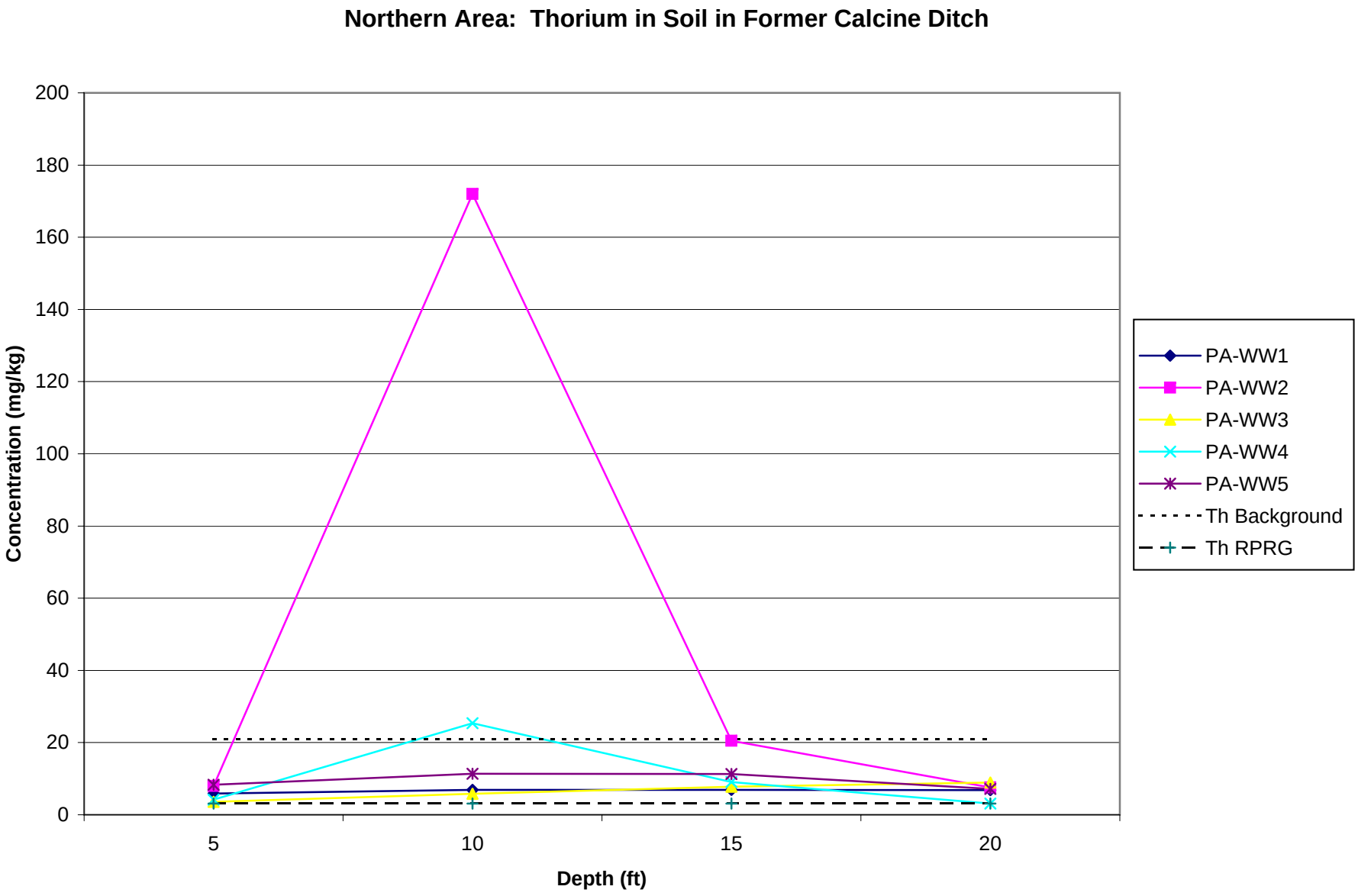

Northern Area: Thallium in Soil in Former Calcine Ditch
Concentration (ug/kg)
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
5
10
15
20
Depth (ft)
PA-WW1
PA-WW2
PA-WW3
PA-WW4
PA-WW5
Tl Background
Tl RPRG =
5,200 ug/kg

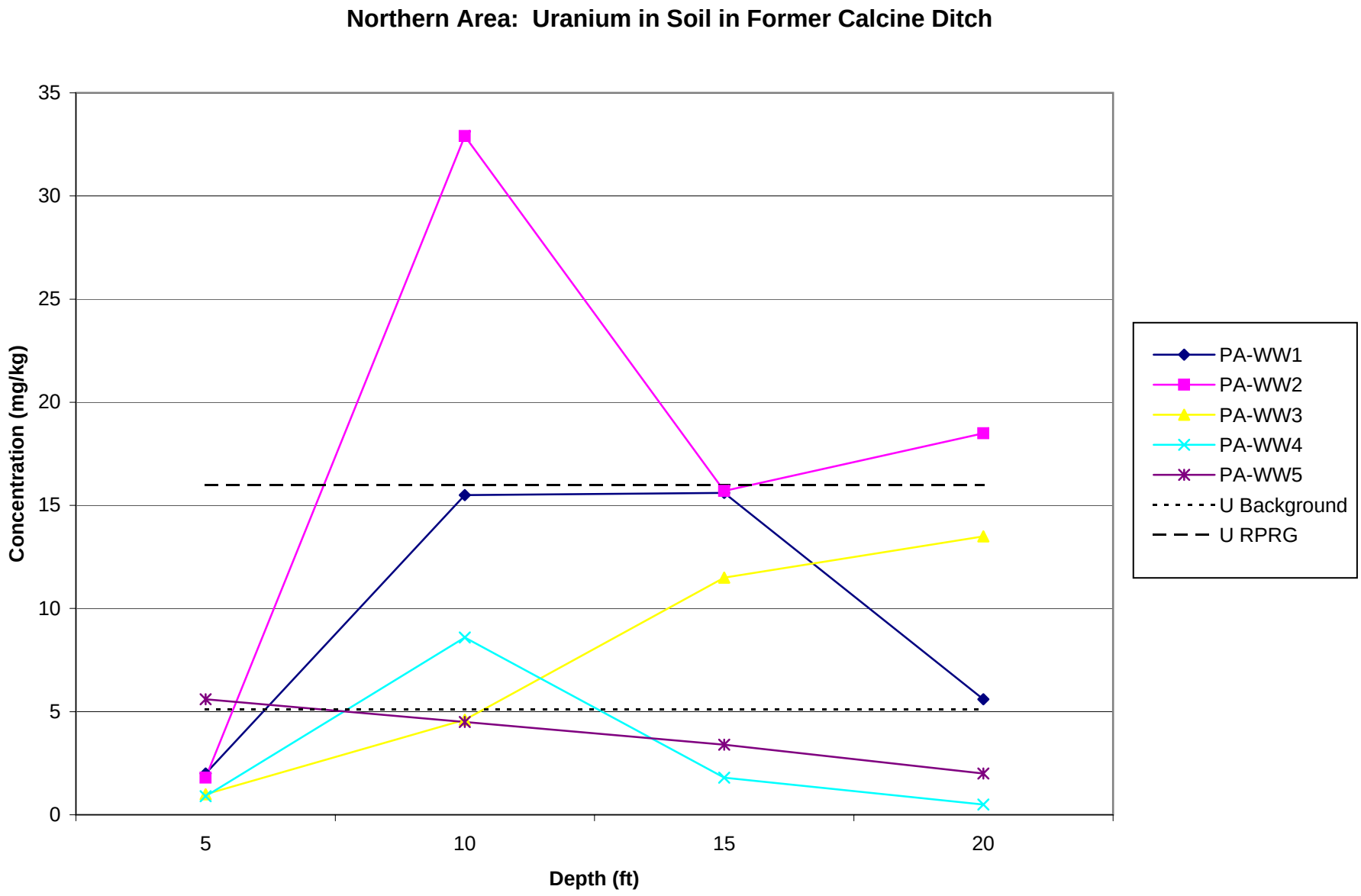

Northern Area: Vanadium in Soil Near PA-GW23
Concentration (ug/kg)
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
1
5
10
15
20
25
Depth (ft)
PA-FFF10
PA-FFF12
PA-FFF8
PA-II1
PA-HHH1
V Background
V RPRG =
78,000 ug/kg


Northern Area: Vanadium in Soil in Former Calcine Ditch
Concentration (ug/kg)
70000
60000
50000
40000
30000
20000
10000
0
5
10
15
20
Depth (ft)
PA-WW1
PA-WW2
PA-WW3
PA-WW4
PA-WW5
V Background
V RPRG =
78,000 ug/kg

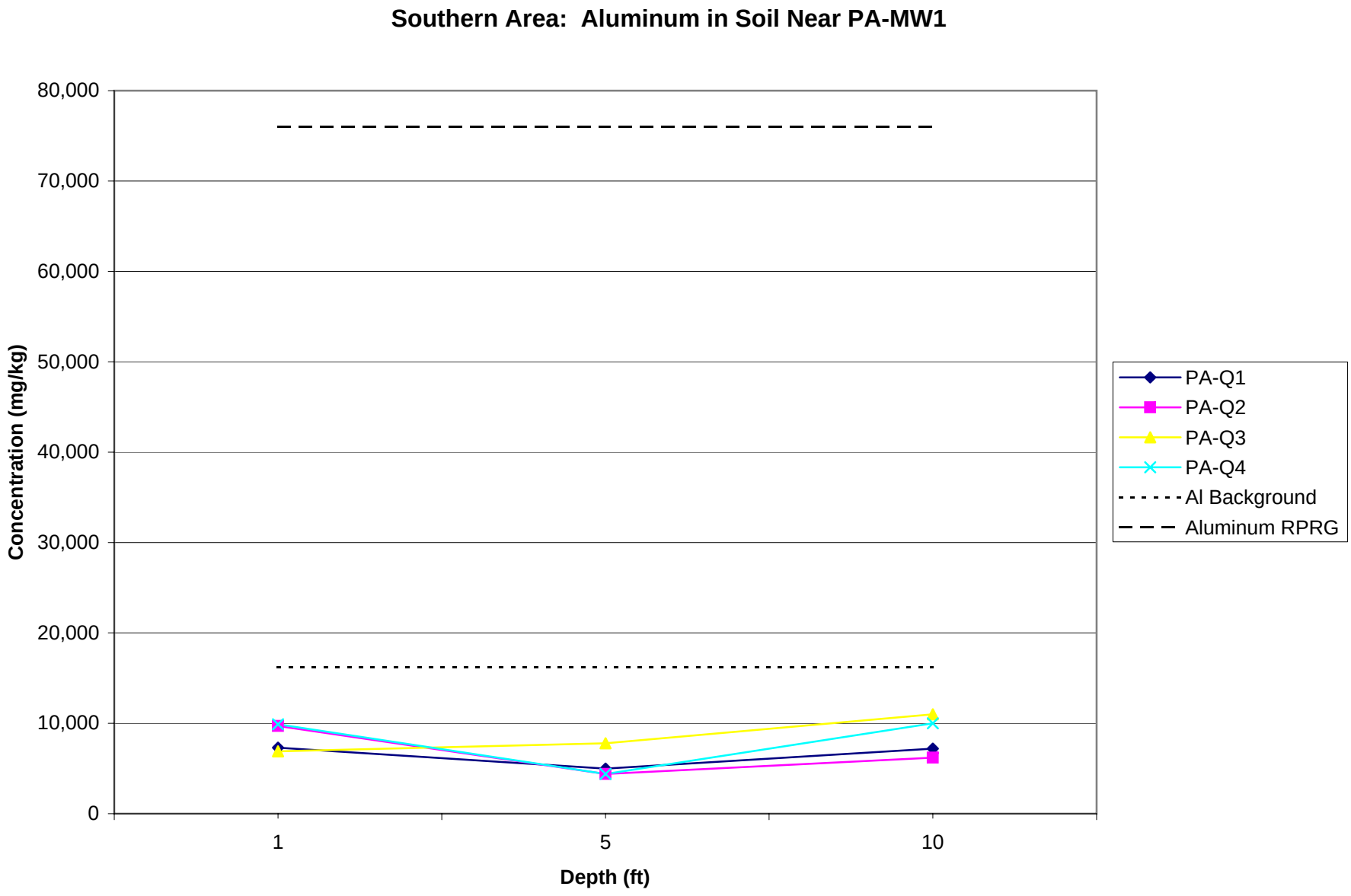

Northern Area: Zinc in Soil Near PA-GW23
60000
50000
40000
30000
20000
10000
0
Concentration (ug/kg)
1
5
10
15
20
25
Depth (ft)
PA-FFF10
PA-FFF12
PA-FFF8
PA-II1
PA-HHH1
Zn Background
Zn RPRG =
23,000,000 ug/kg

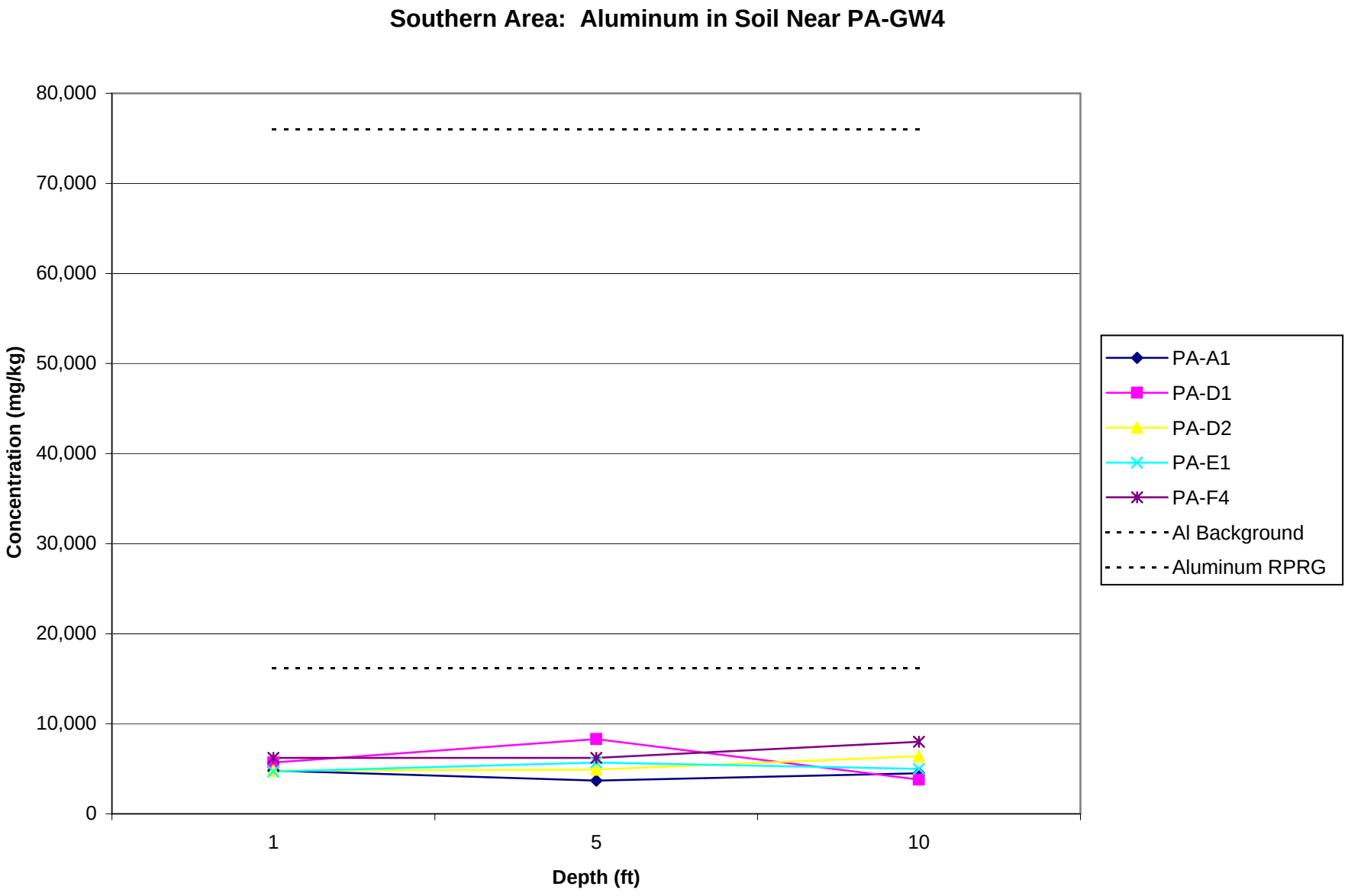

Northern Area: Zinc in Soil in Former Calcine Ditch
60000
50000
40000
30000
20000
10000
0
Concentration (ug/kg)
5
10
15
20
Depth (ft)
PA-WW1
PA-WW2
PA-WW3
PA-WW4
PA-WW5
Zn Background
Zn RPRG =
23,000,000 ug/kg

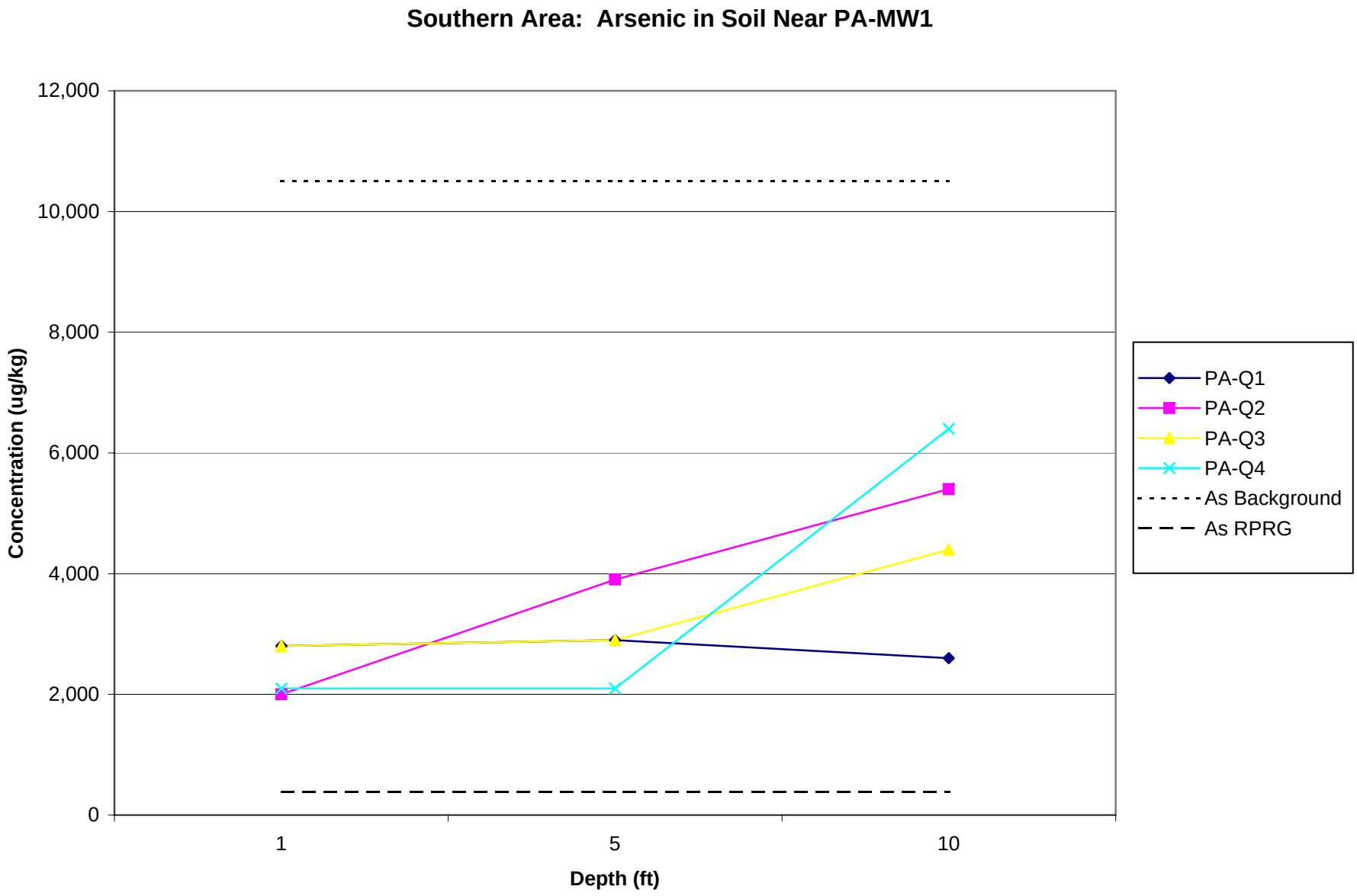

Northern Area: Thorium in Soil in Former Calcine Ditch
Concentration (mg/kg)
200
180
160
140
120
100
80
60
40
20
0
5
10
15
20
Depth (ft)
PA-WW1
PA-WW2
PA-WW3
PA-WW4
PA-WW5
Th Background
Th RPRG

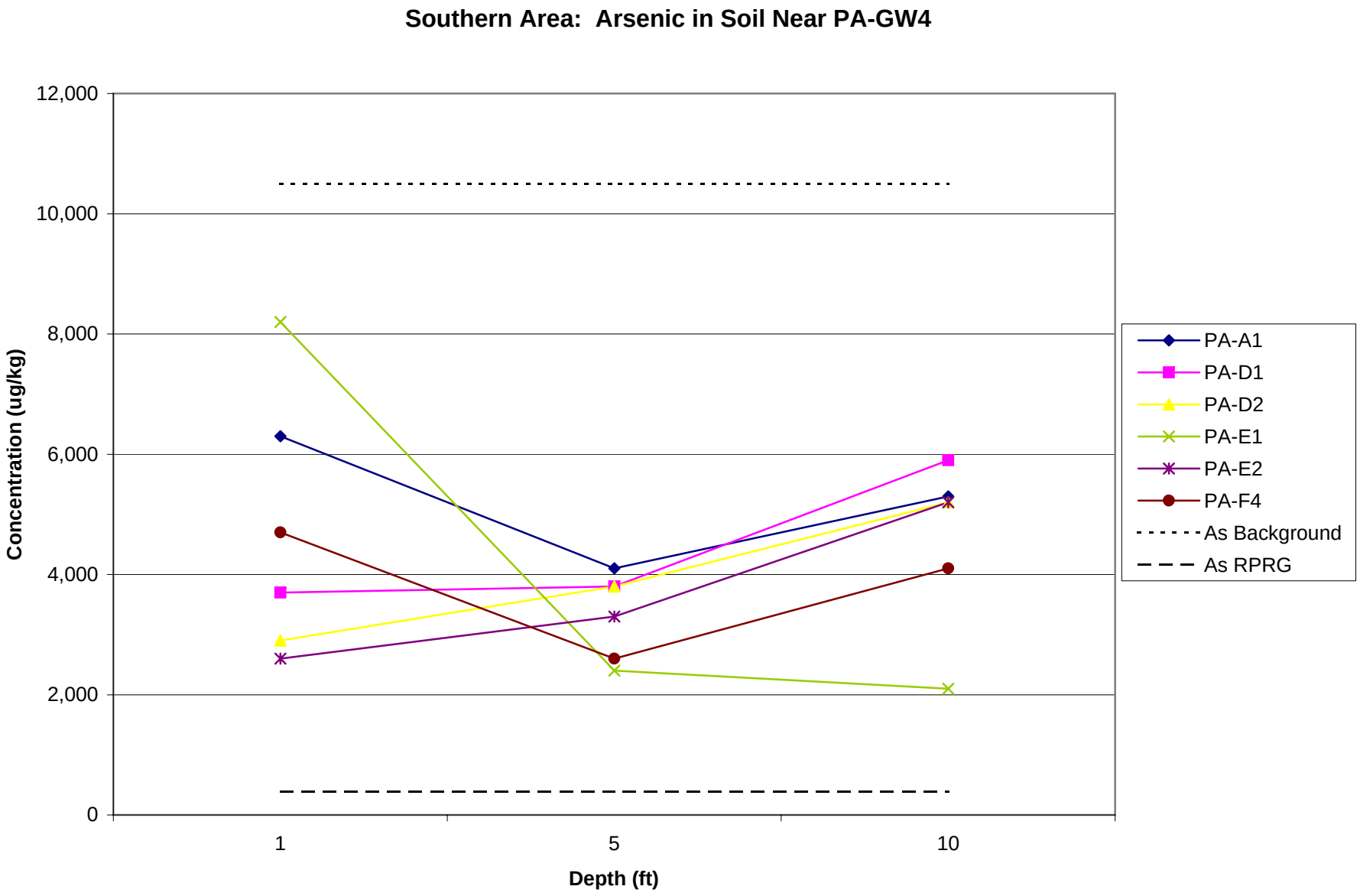

Northern Area: Uranium in Soil in Former Calcine Ditch
Concentration (mg/kg)
35
30
25
20
15
10
5
0
5
10
15
20
Depth (ft)
PA-WW1
PA-WW2
PA-WW3
PA-WW4
PA-WW5
U Background
U RPRG

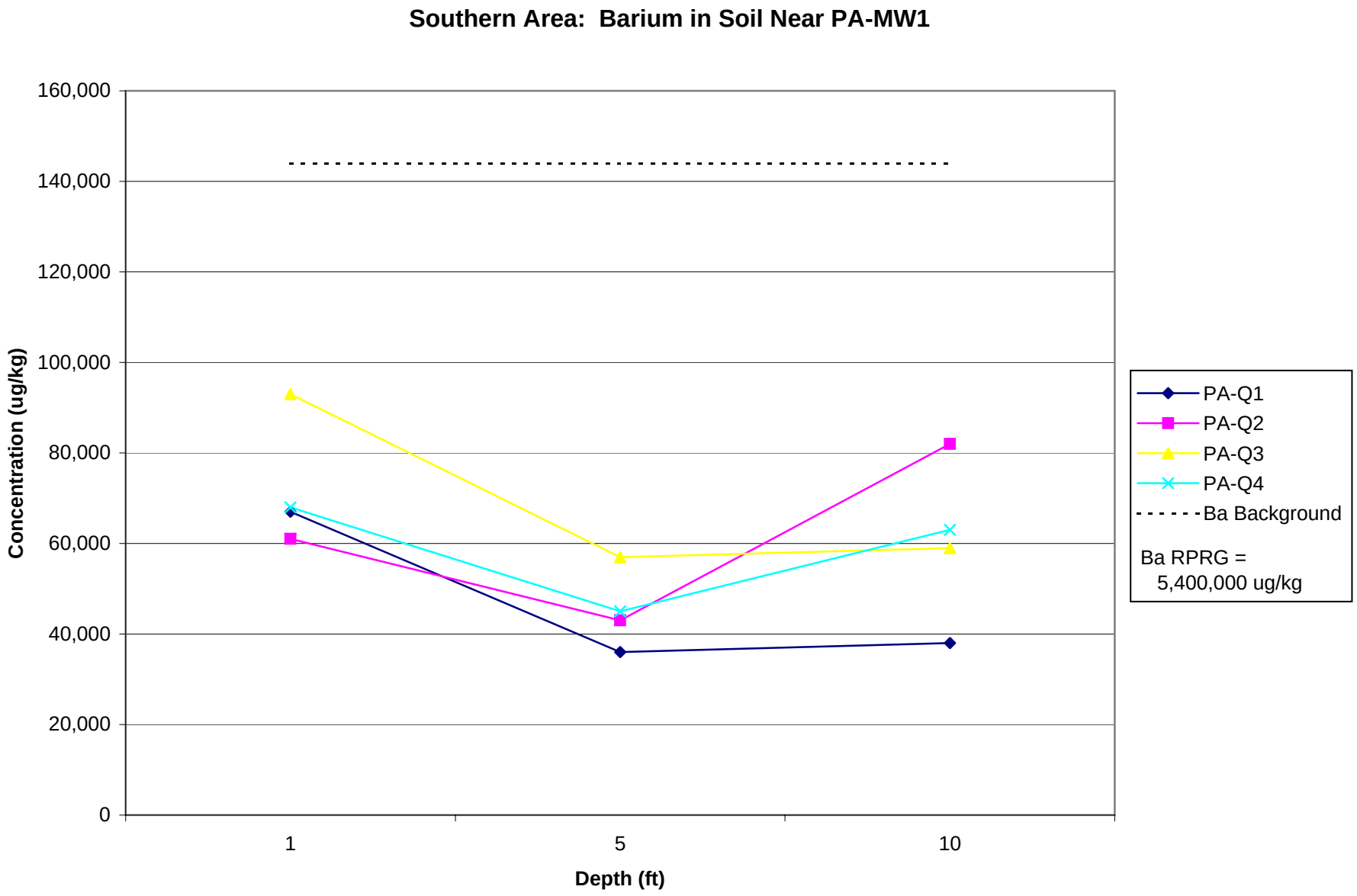
Southern Area

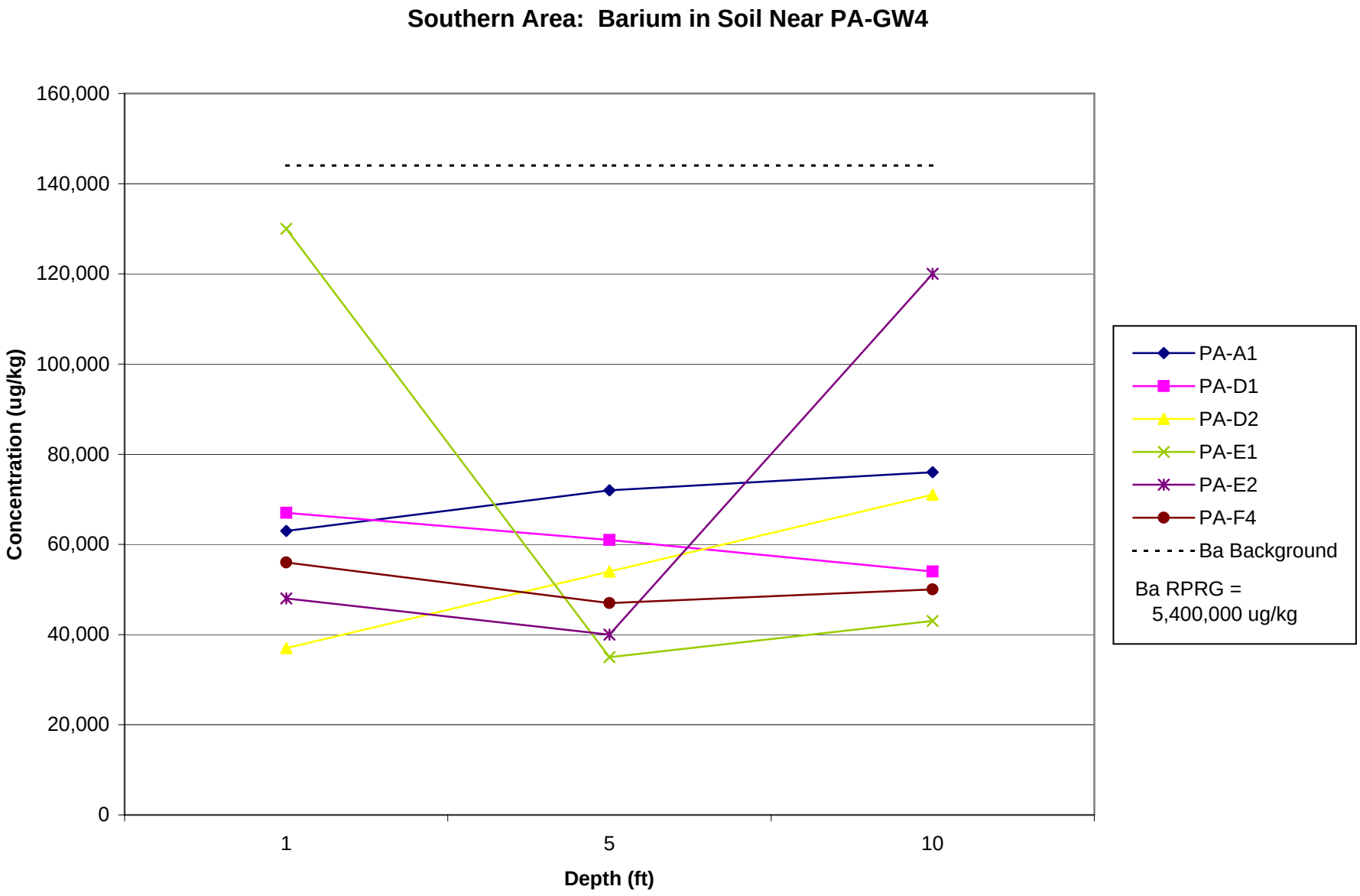

Southern Area: Aluminum in Soil Near PA-MW1
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
0
Concentration (mg/kg)
1
5
10
Depth (ft)
PA-Q1
PA-Q2
PA-Q3
PA-Q4
Al Background
Aluminum RPRG

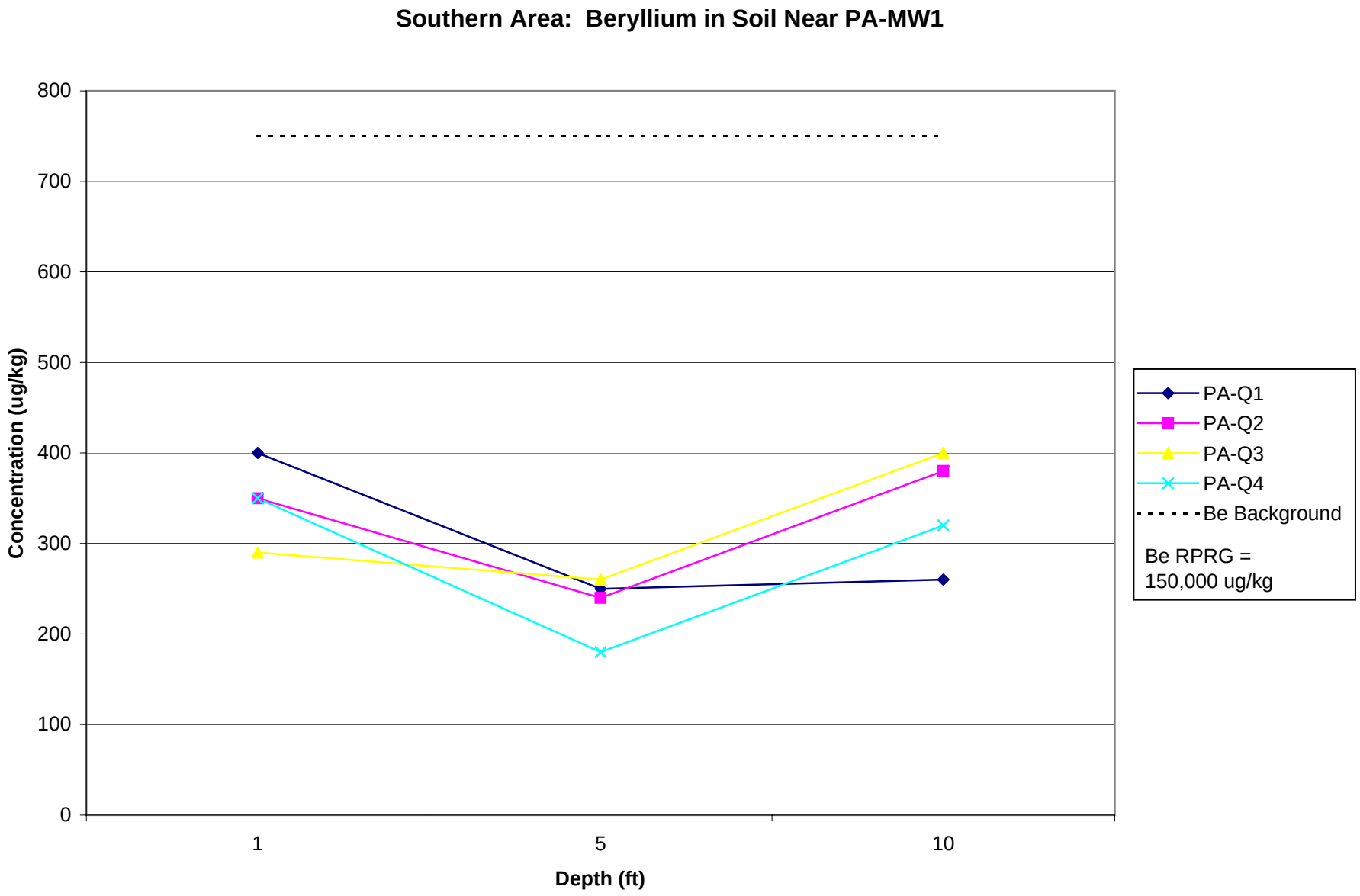

Southern Area: Aluminum in Soil Near PA-GW4
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
0
Concentration (mg/kg)
1
5
10
Depth (ft)
PA-A1
PA-D1
PA-D2
PA-E1
PA-F4
Al Background
Aluminum RPRG

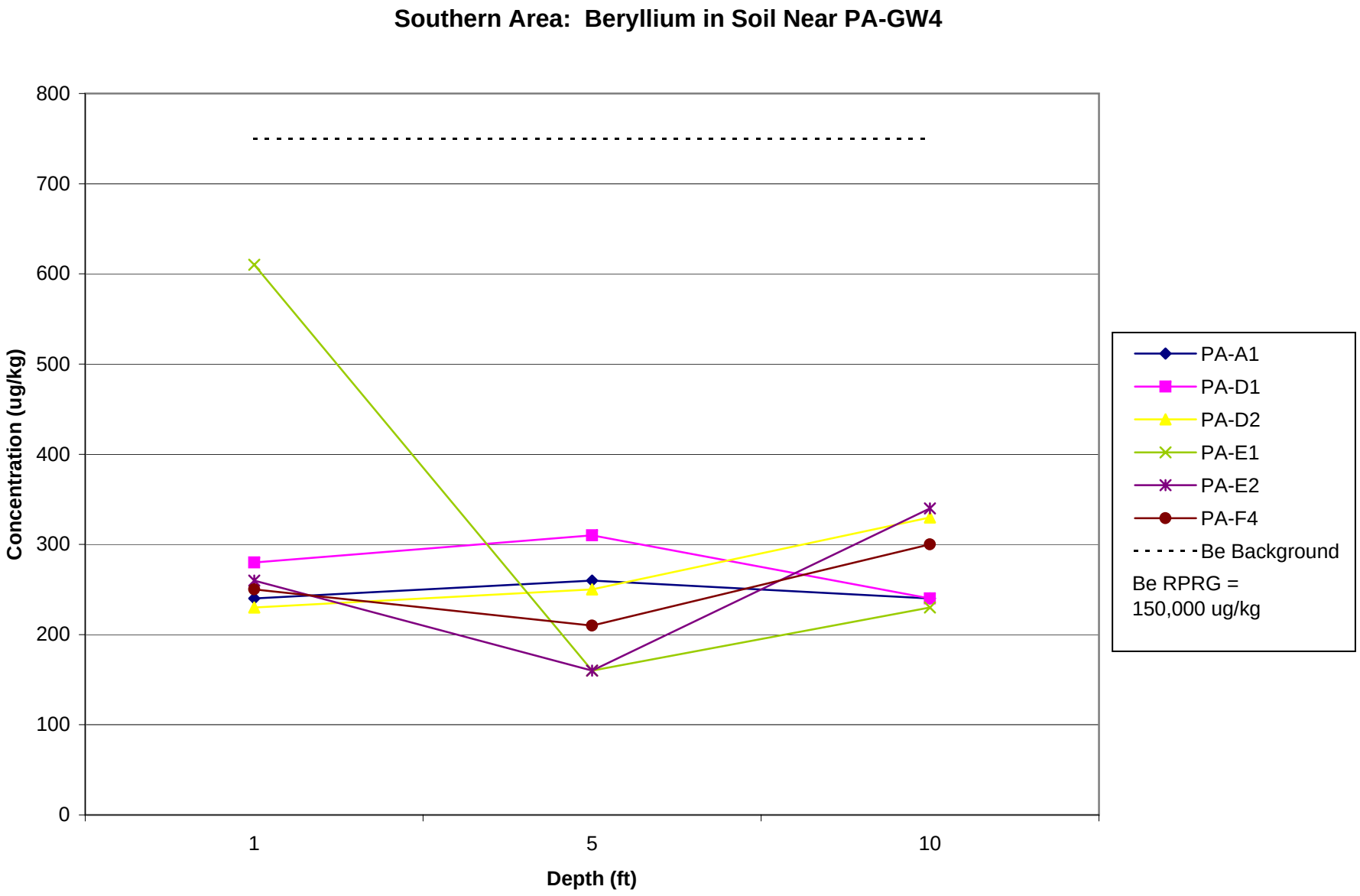

Southern Area: Arsenic in Soil Near PA-MW1
12,000
10,000
8,000
6,000
4,000
2,000
0
Concentration (ug/kg)
1
5
10
Depth (ft)
PA-Q1
PA-Q2
PA-Q3
PA-Q4
As Background
As RPRG

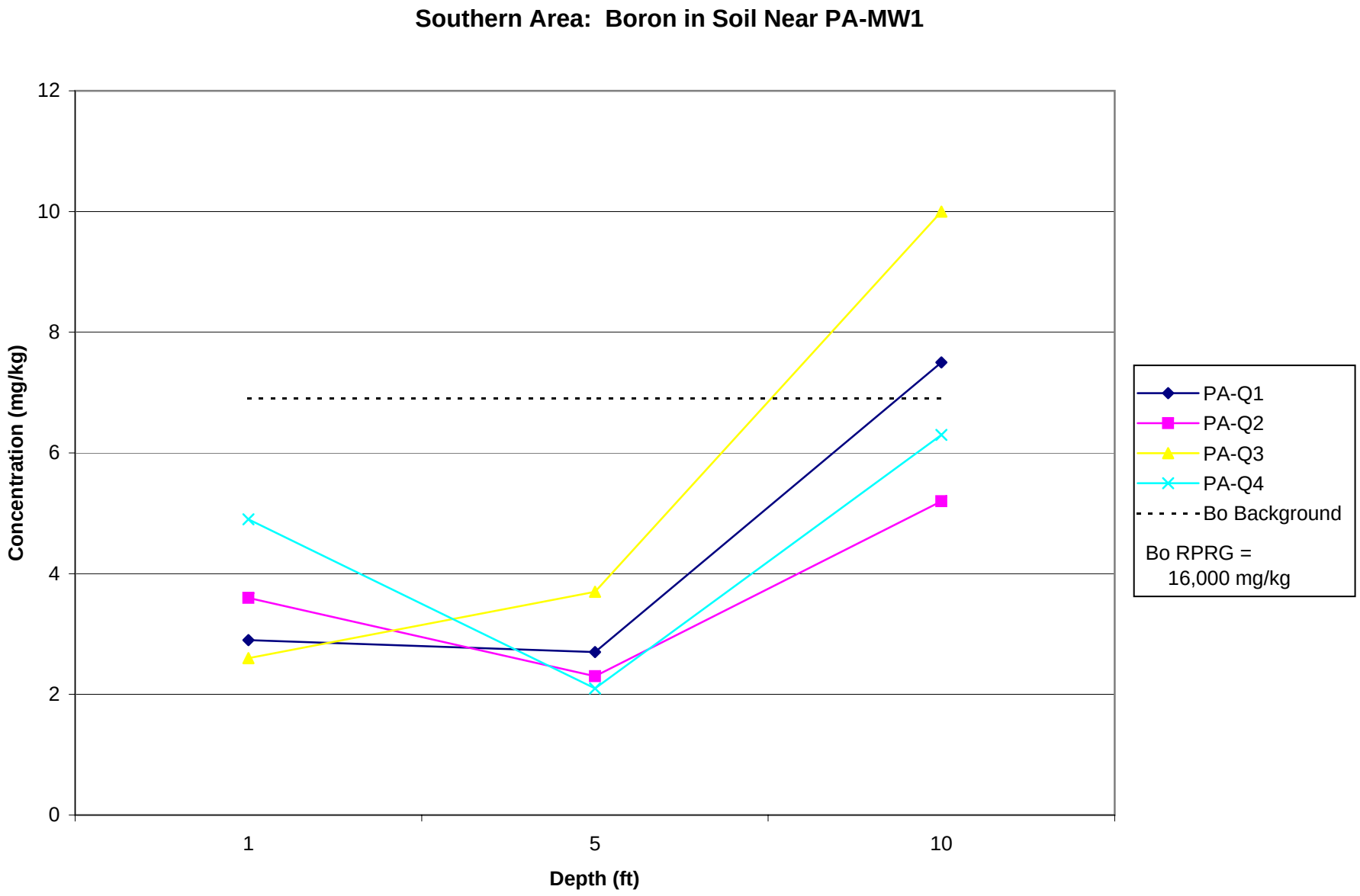

Southern Area: Arsenic in Soil Near PA-GW4
12,000
10,000
8,000
6,000
4,000
2,000
0
Concentration (ug/kg)
1
5
10
Depth (ft)
PA-A1
PA-D1
PA-D2
PA-E1
PA-E2
PA-F4
As Background
As RPRG

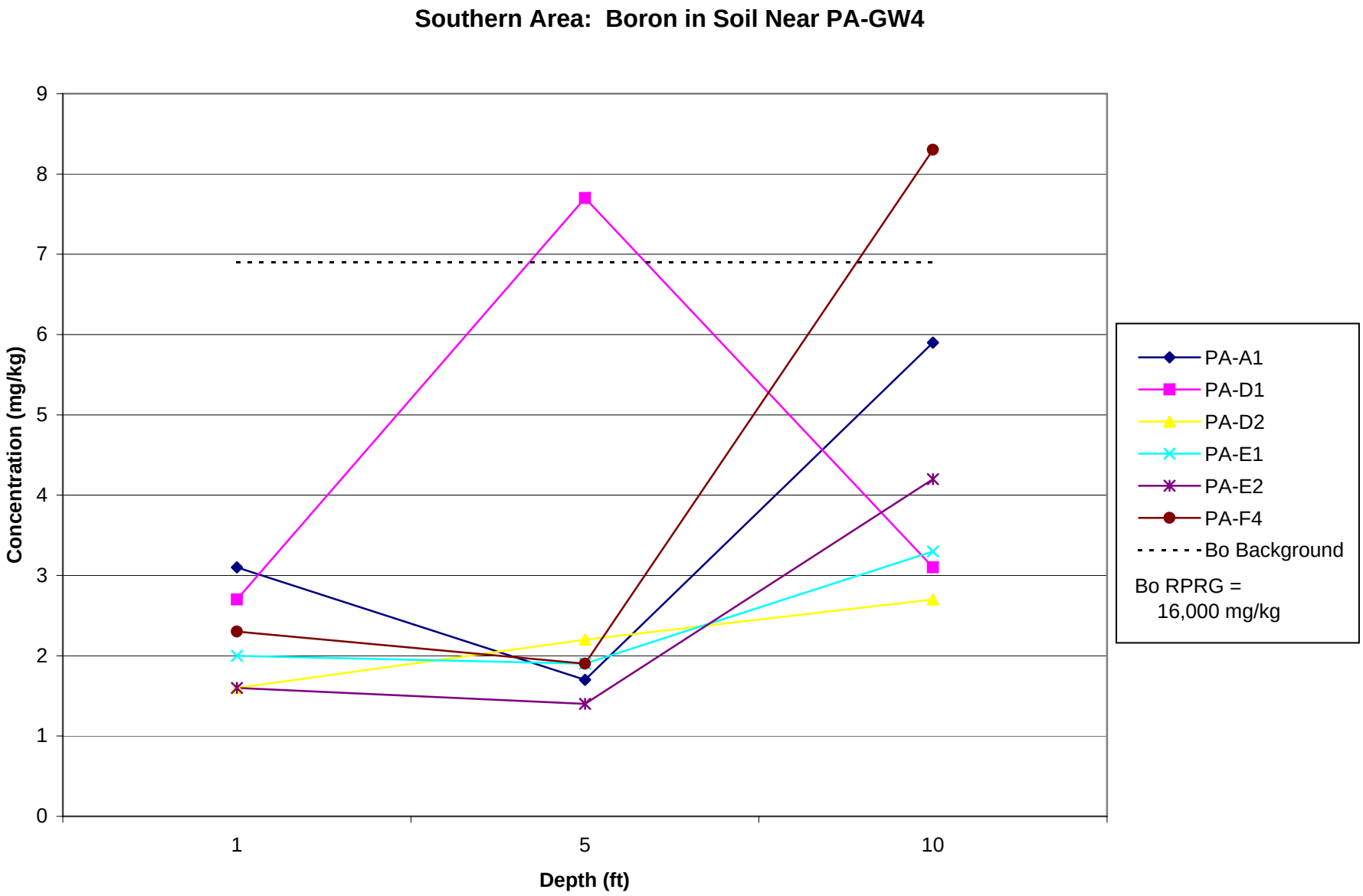

Southern Area: Barium in Soil Near PA-MW1
160,000
140,000
120,000
100,000
80,000
60,000
40,000
20,000
0
Concentration (ug/kg)
1
5
10
Depth (ft)
PA-Q1
PA-Q2
PA-Q3
PA-Q4
Ba Background
Ba RPRG =
5,400,000 ug/kg

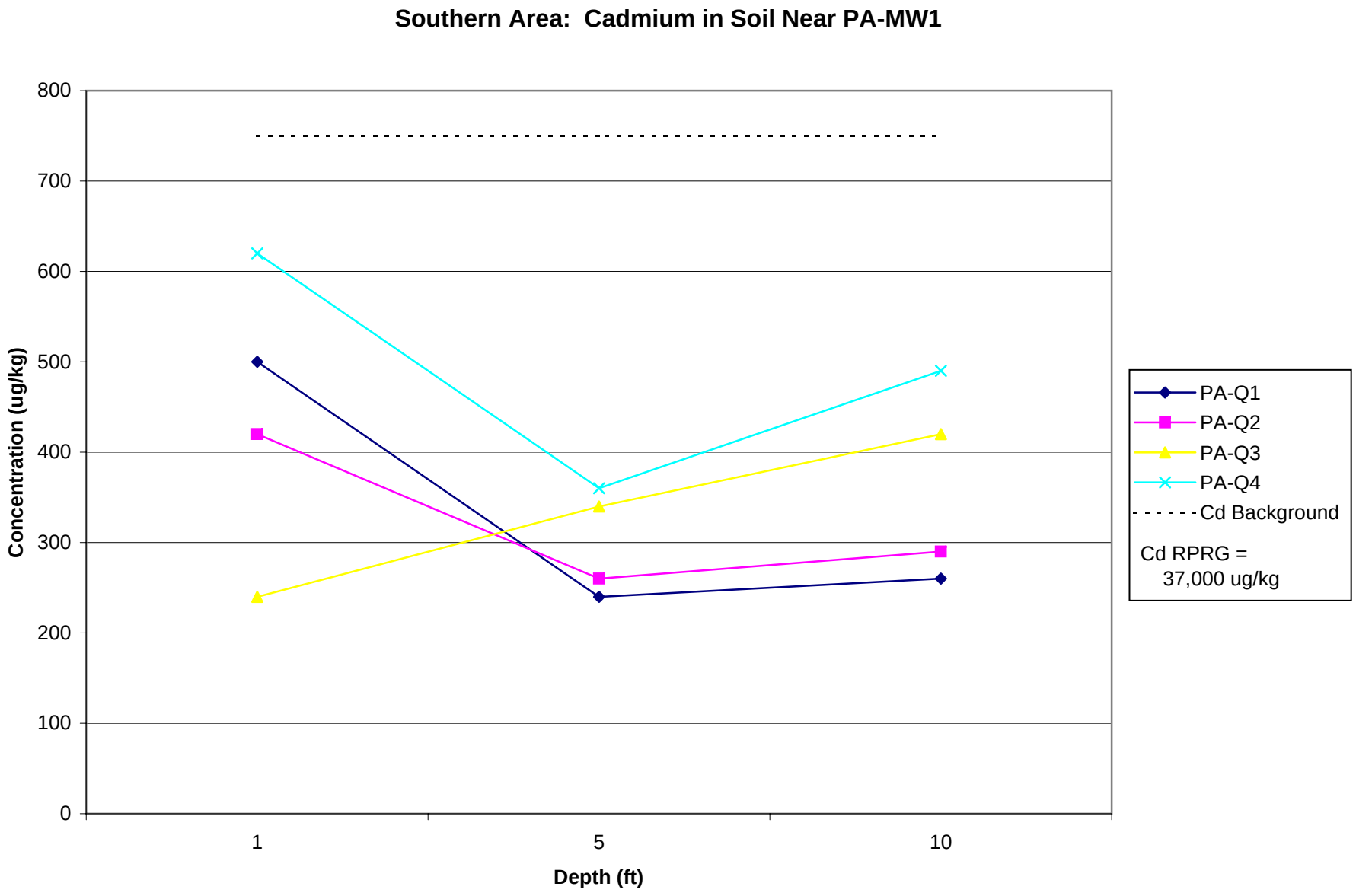

Southern Area: Barium in Soil Near PA-GW4
160,000
140,000
120,000
100,000
80,000
60,000
40,000
20,000
0
Concentration (ug/kg)
1
5
10
Depth (ft)
PA-A1
PA-D1
PA-D2
PA-E1
PA-E2
PA-F4
Ba Background
Ba RPRG =
5,400,000 ug/kg

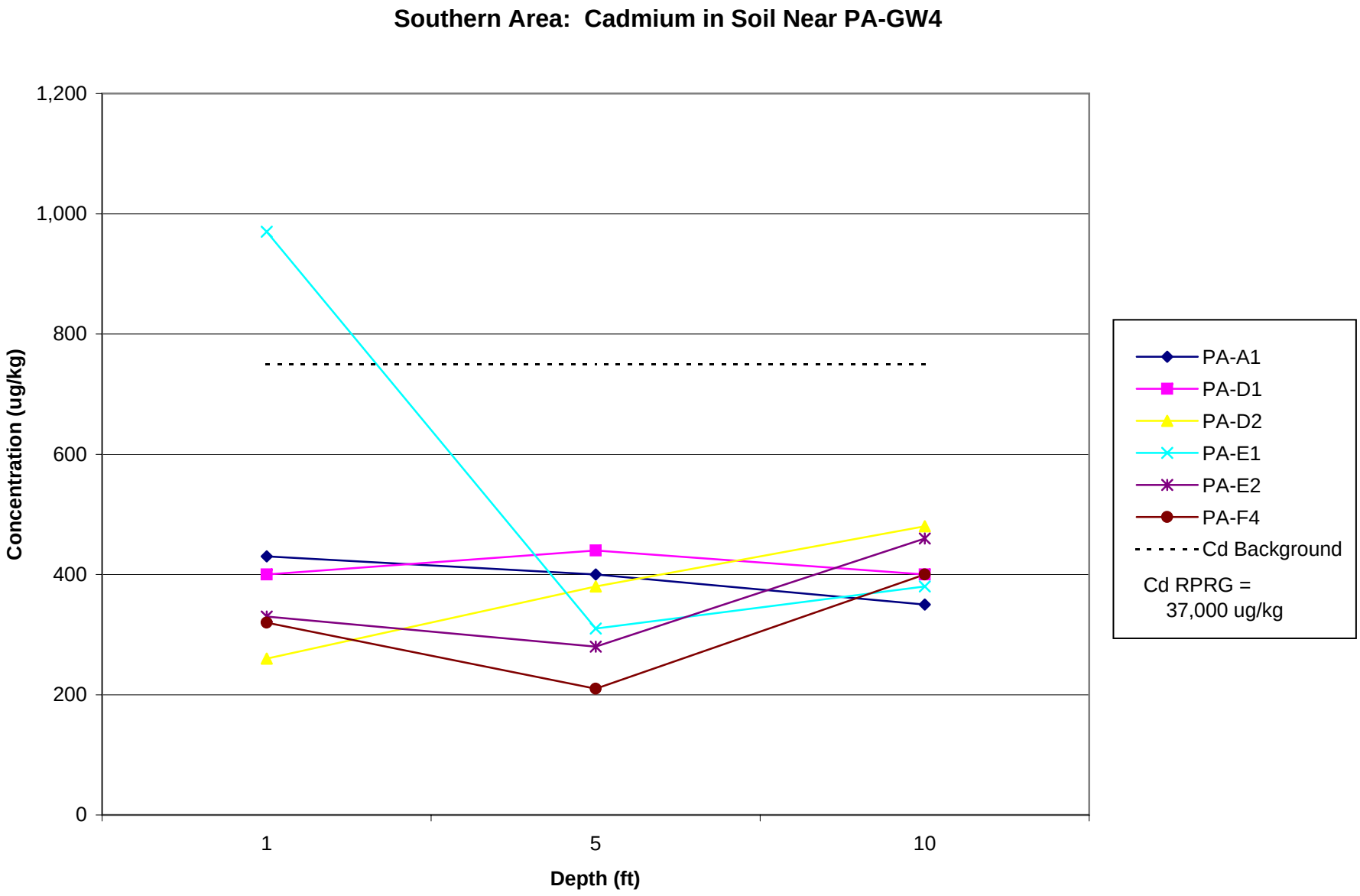

Southern Area: Beryllium in Soil Near PA-MW1
800
700
600
500
400
300
200
100
0
Concentration (ug/kg)
1
5
10
Depth (ft)
PA-Q1
PA-Q2
PA-Q3
PA-Q4
Be Background
Be RPRG =
150,000 ug/kg

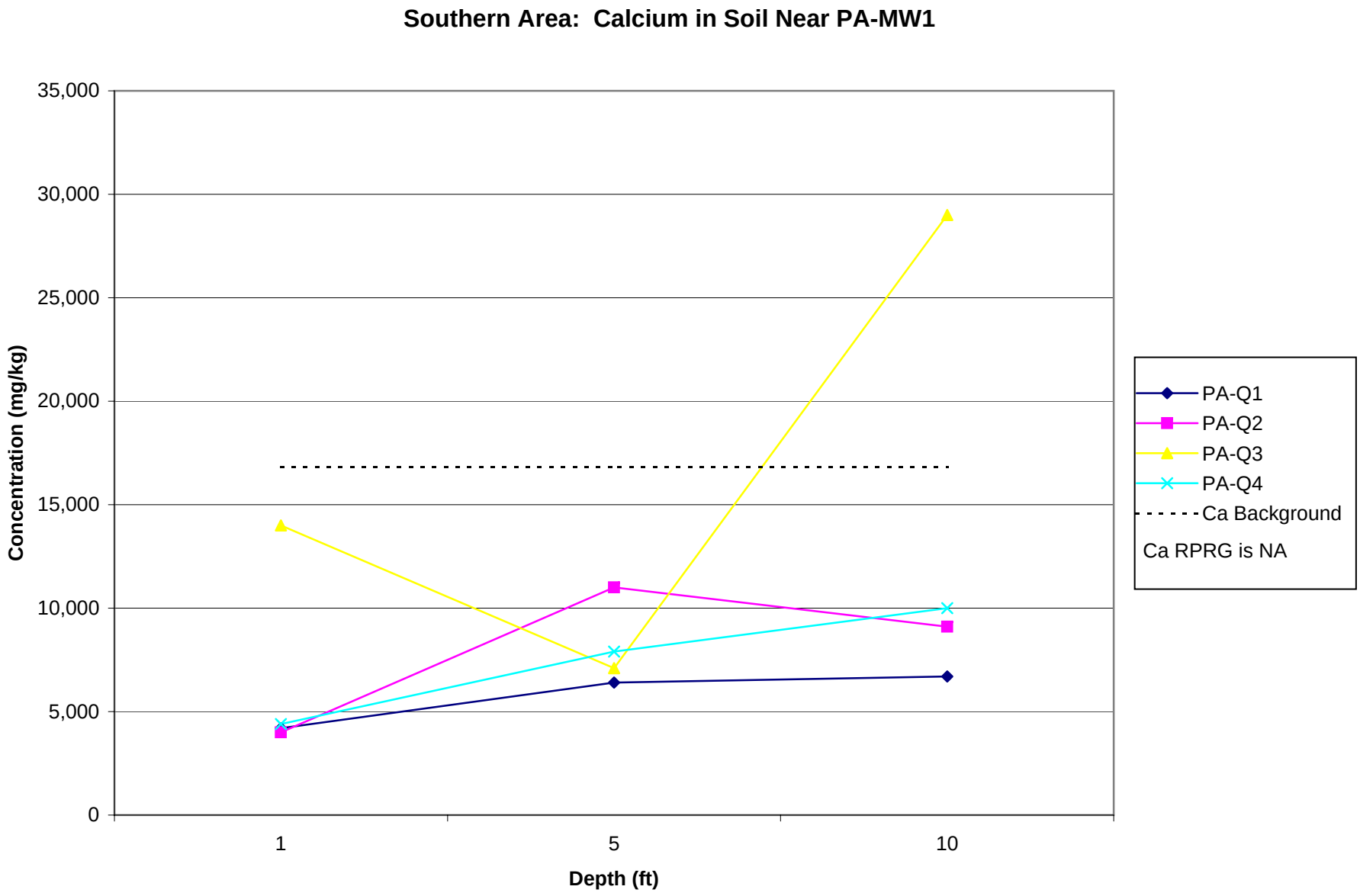

Southern Area: Beryllium in Soil Near PA-GW4
800
700
600
500
400
300
200
100
0
Concentration (ug/kg)
1
5
10
Depth (ft)
PA-A1
PA-D1
PA-D2
PA-E1
PA-E2
PA-F4
Be Background
Be RPRG =
150,000 ug/kg

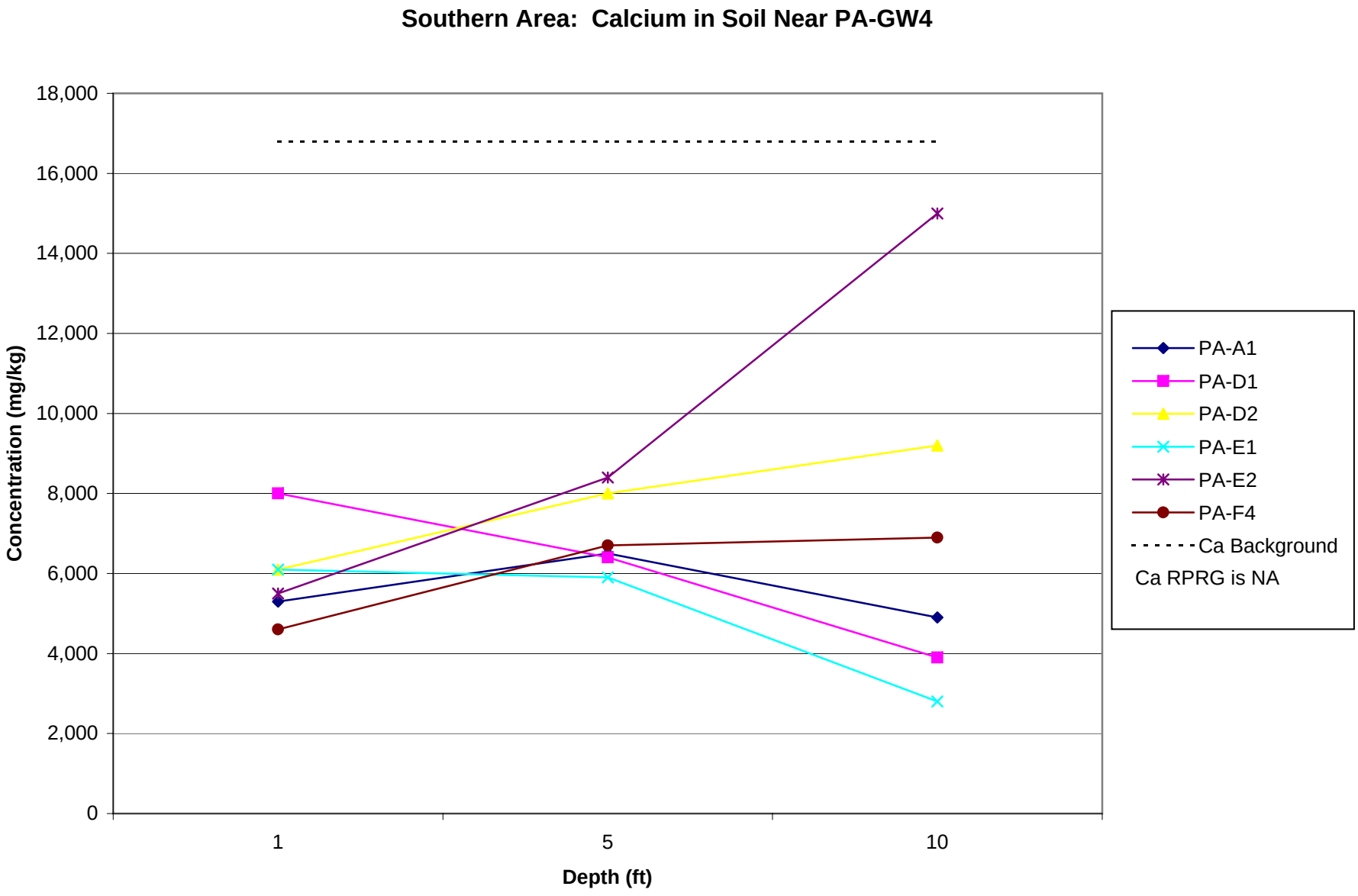

Southern Area: Boron in Soil Near PA-MW1
Concentration (mg/kg)
12
10
8
6
4
2
0
1
5
10
Depth (ft)
PA-Q1
PA-Q2
PA-Q3
PA-Q4
Bo Background
Bo RPRG =
16,000 mg/kg

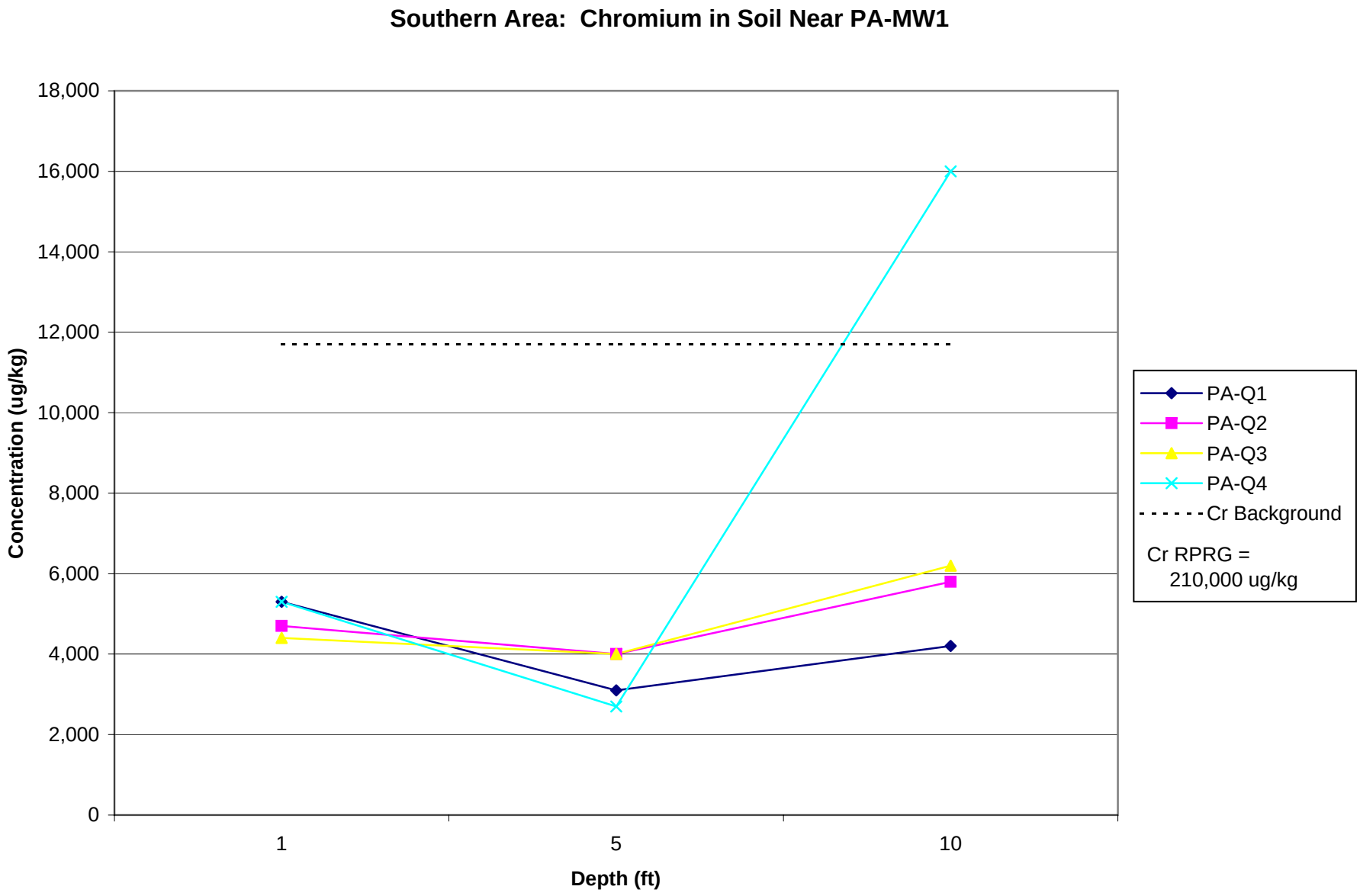

Southern Area: Boron in Soil Near PA-GW4
Concentration (mg/kg)
0
1
2
3
4
5
6
7
8
9
1
5
10
Depth (ft)
PA-A1
PA-D1
PA-D2
PA-E1
PA-E2
PA-F4
Bo Background
Bo RPRG =
16,000 mg/kg

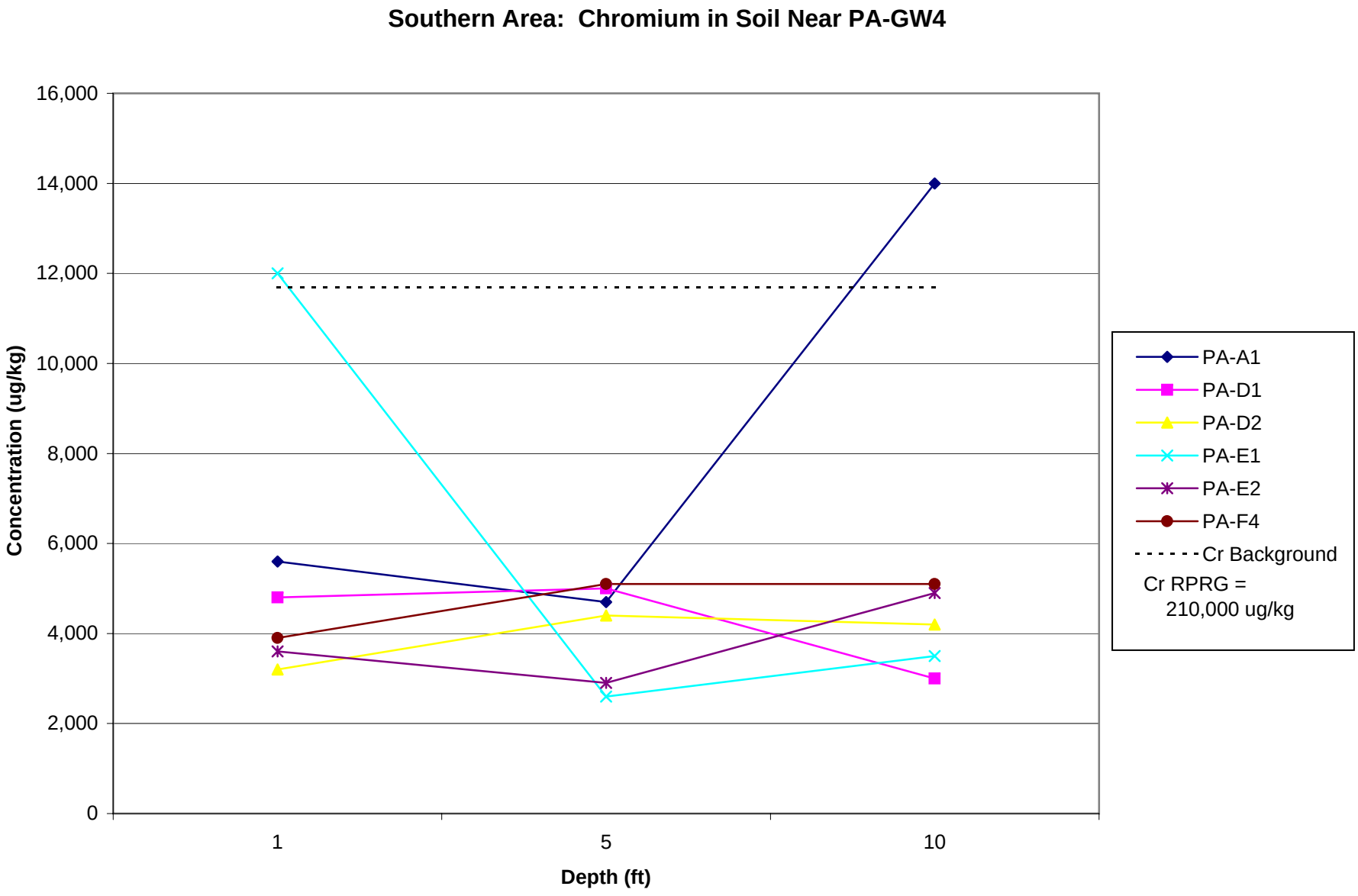

Southern Area: Cadmium in Soil Near PA-MW1
800
700
600
500
400
300
200
100
0
Concentration (ug/kg)
1
5
10
Depth (ft)
PA-Q1
PA-Q2
PA-Q3
PA-Q4
Cd Background
Cd RPRG =
37,000 ug/kg

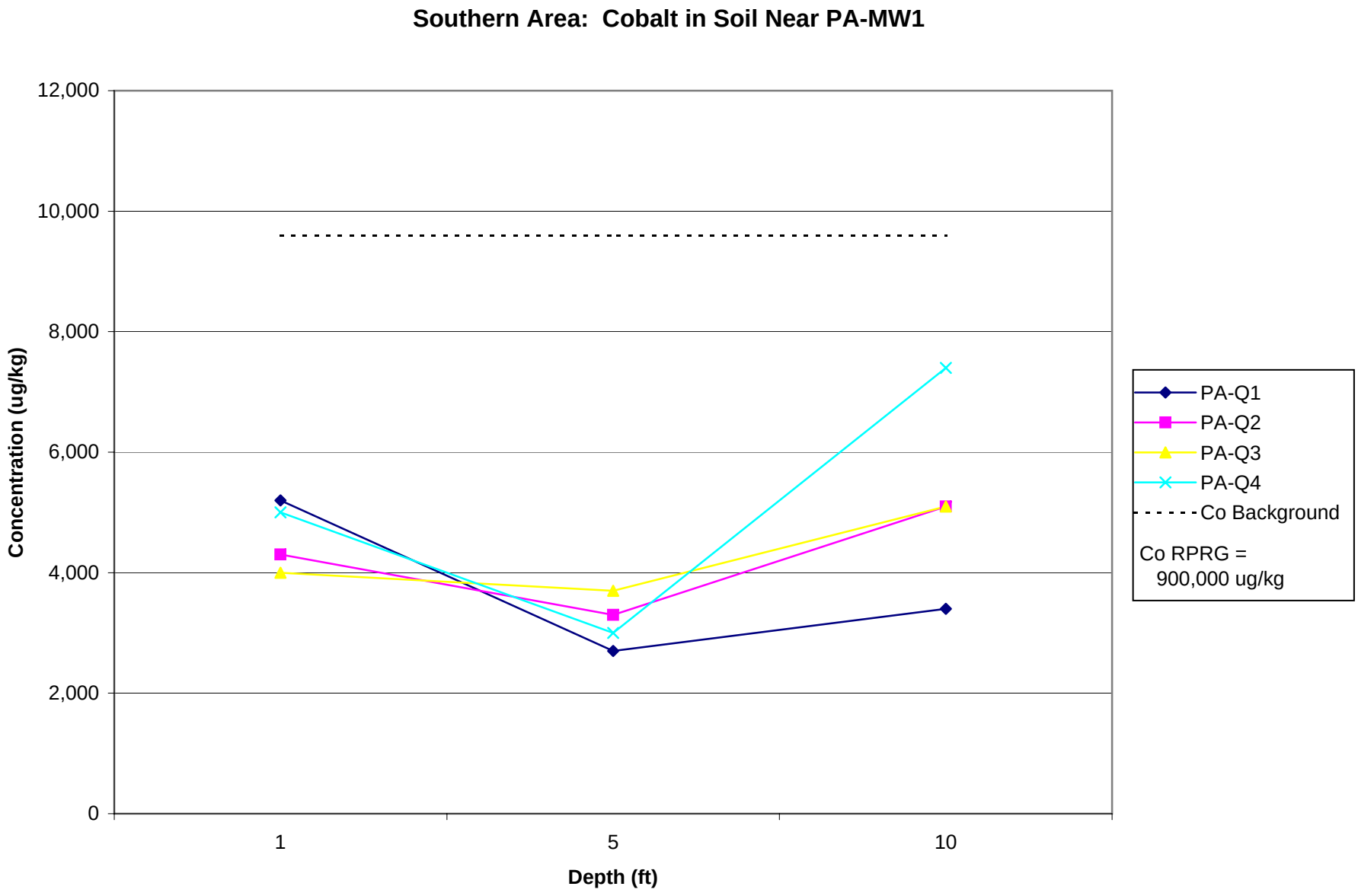

Southern Area: Cadmium in Soil Near PA-GW4
1,200
1,000
800
600
400
200
0
Concentration (ug/kg)
1
5
10
Depth (ft)
PA-A1
PA-D1
PA-D2
PA-E1
PA-E2
PA-F4
Cd Background
Cd RPRG =
37,000 ug/kg

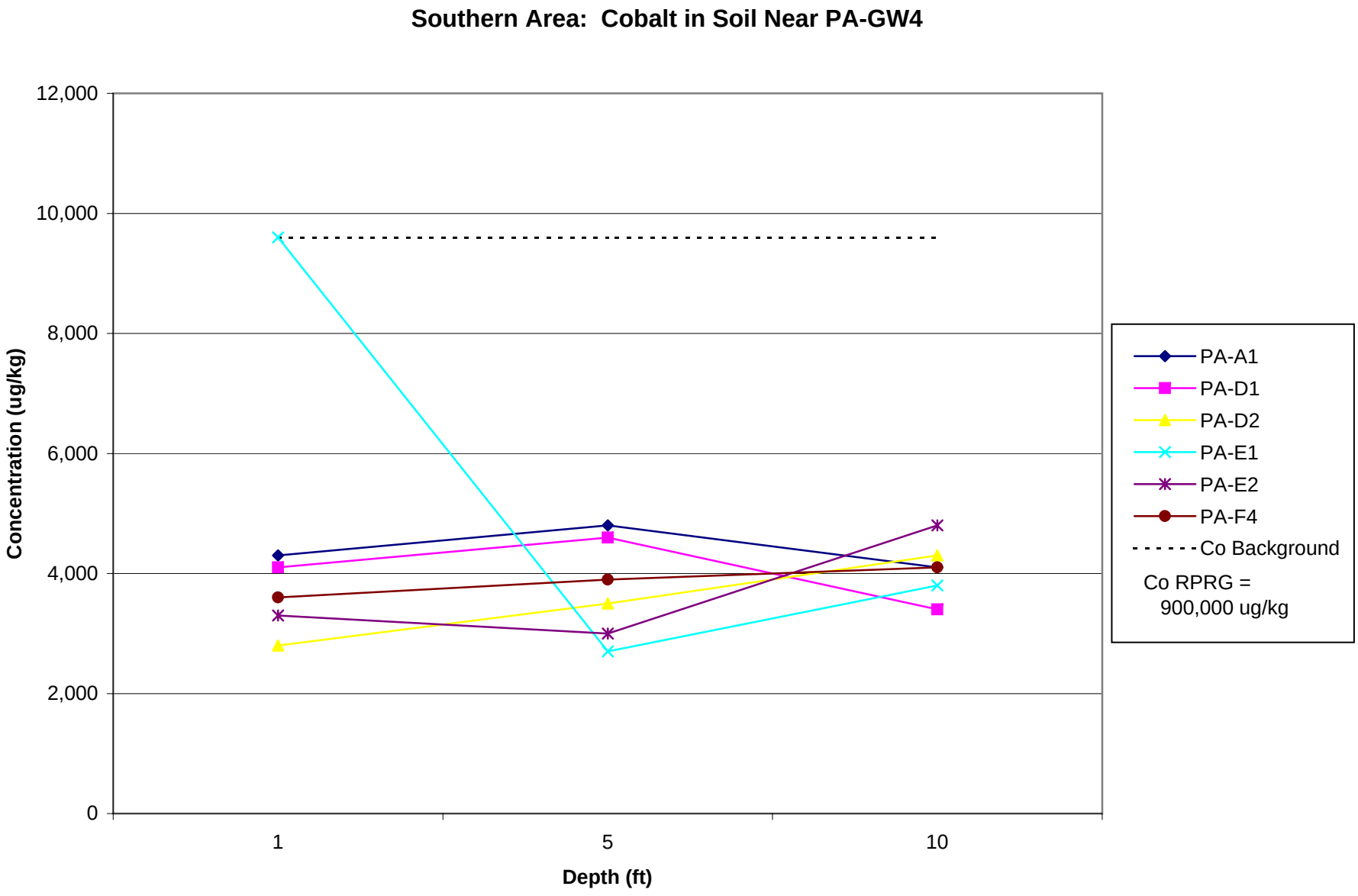

Southern Area: Calcium in Soil Near PA-MW1
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
Concentration (mg/kg)
1
5
10
Depth (ft)
PA-Q1
PA-Q2
PA-Q3
PA-Q4
Ca Background
Ca RPRG is NA

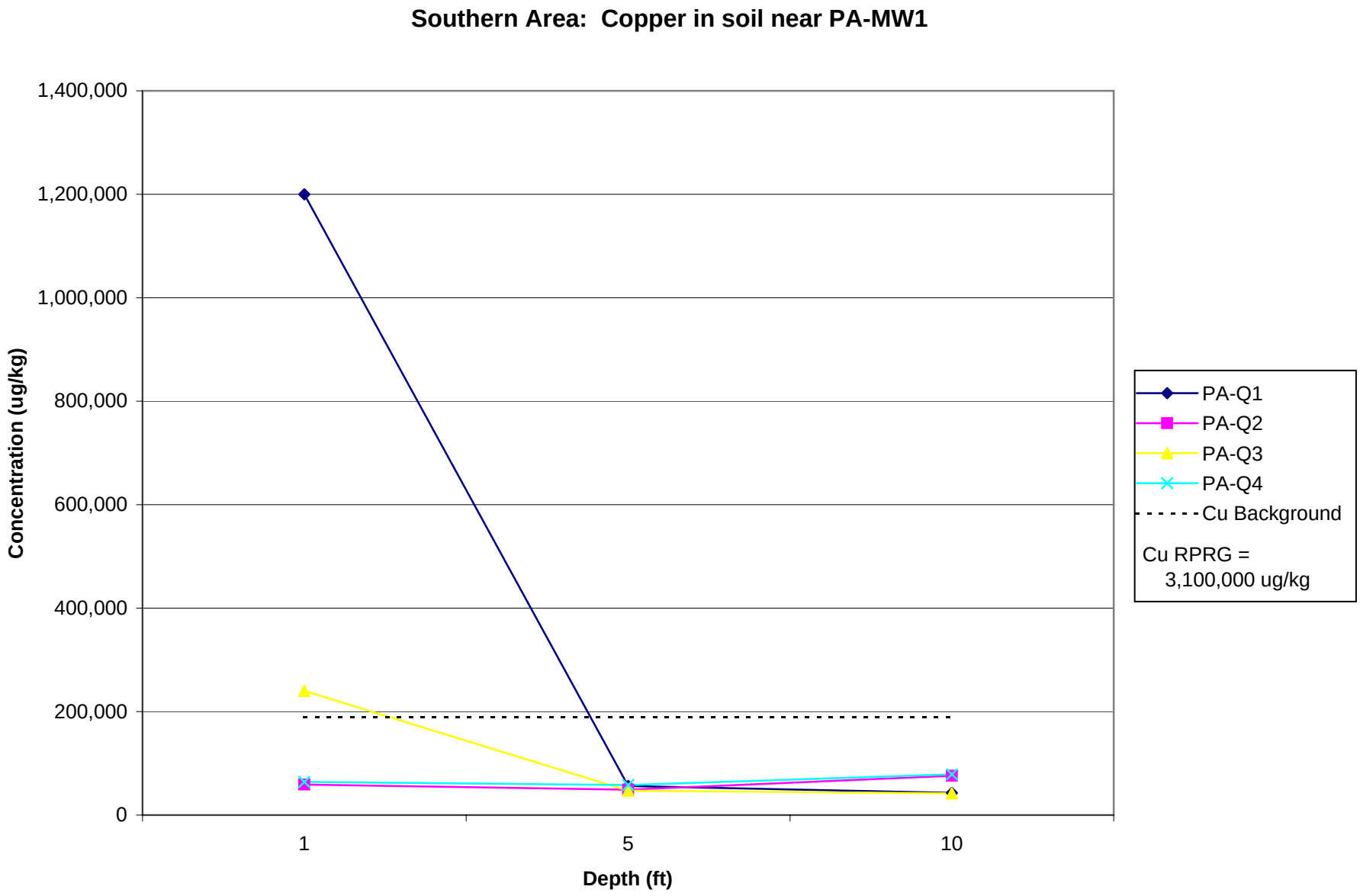

Southern Area: Calcium in Soil Near PA-GW4
18,000
16,000
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
Concentration (mg/kg)
1
5
10
Depth (ft)
PA-A1
PA-D1
PA-D2
PA-E1
PA-E2
PA-F4
Ca Background
Ca RPRG is NA

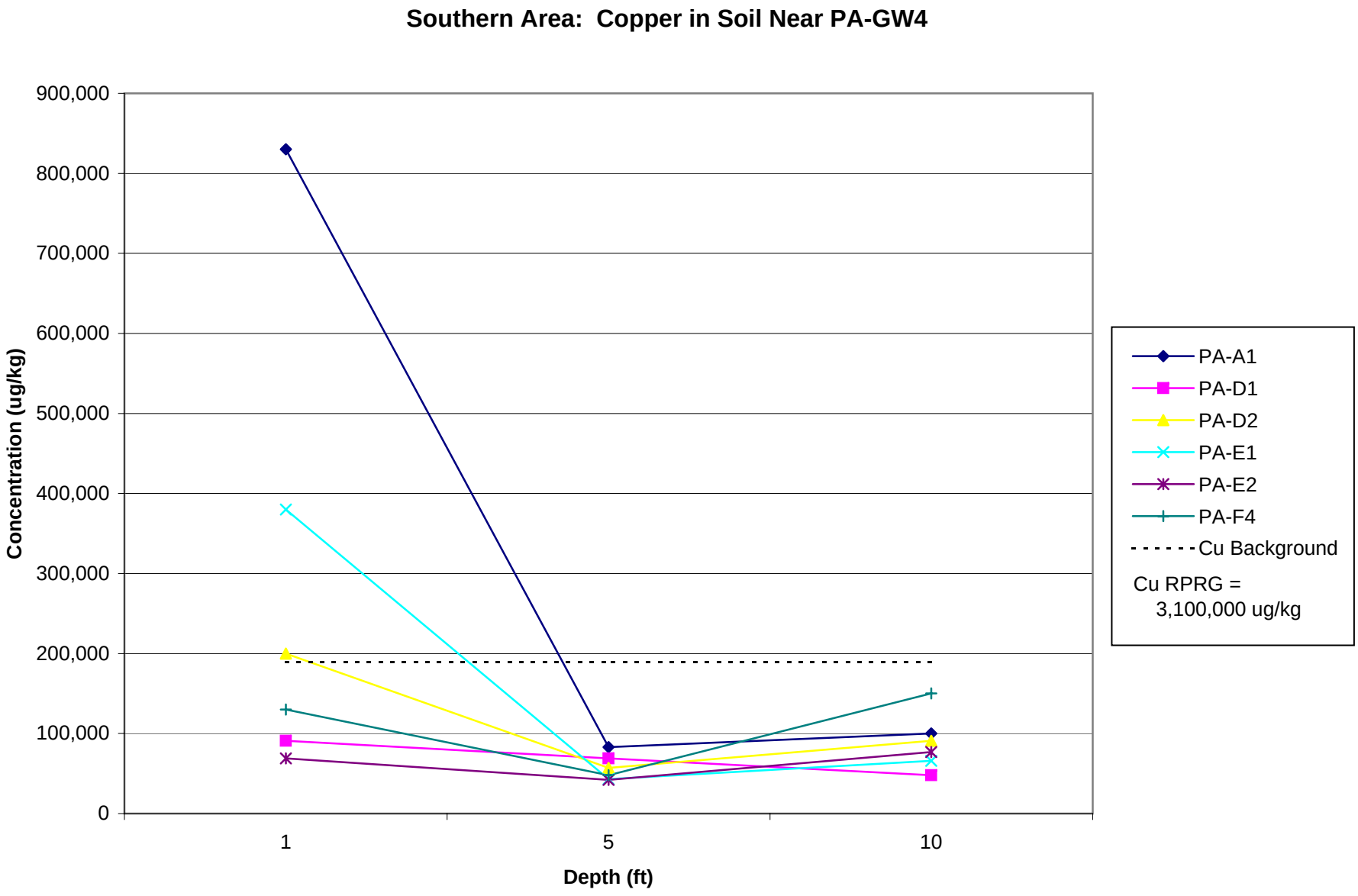

Southern Area: Chromium in Soil Near PA-MW1
18,000
16,000
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
Concentration (ug/kg)
1
5
10
Depth (ft)
PA-Q1
PA-Q2
PA-Q3
PA-Q4
Cr Background
Cr RPRG =
210,000 ug/kg

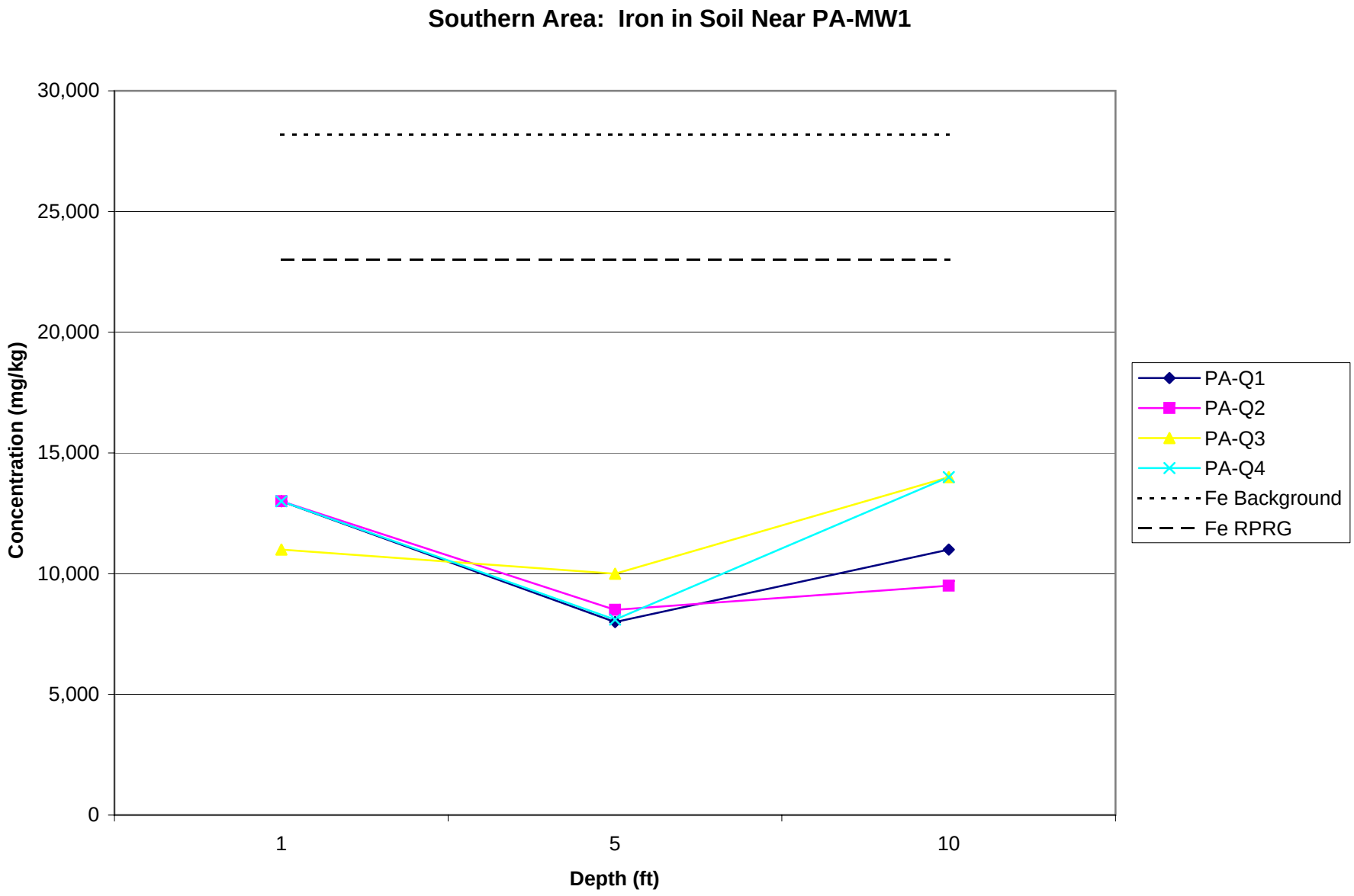

Southern Area: Chromium in Soil Near PA-GW4
16,000
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
Concentration (ug/kg)
1
5
10
Depth (ft)
PA-A1
PA-D1
PA-D2
PA-E1
PA-E2
PA-F4
Cr Background
Cr RPRG =
210,000 ug/kg

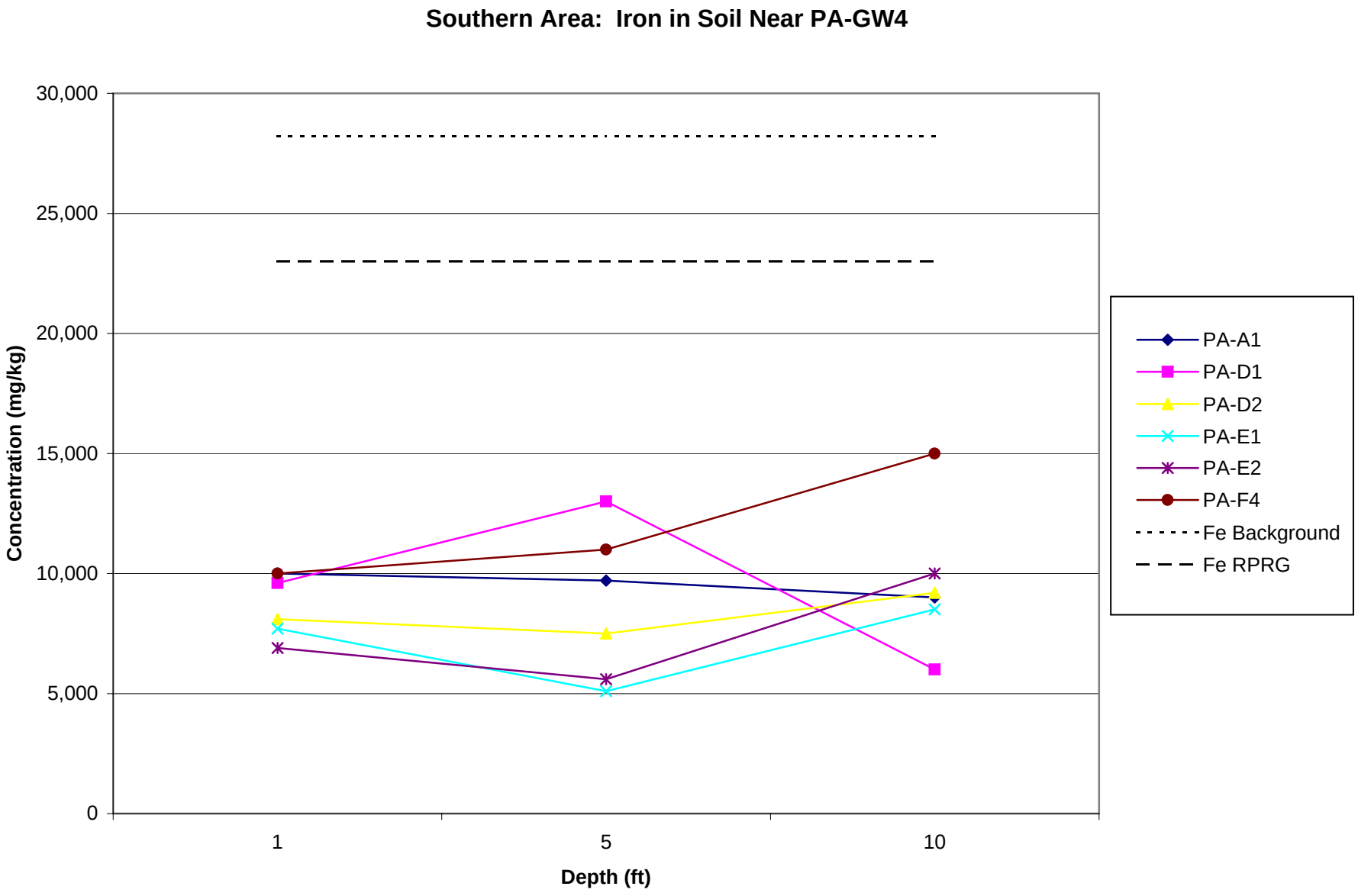

Southern Area: Cobalt in Soil Near PA-MW1
12,000
10,000
8,000
6,000
4,000
2,000
0
Concentration (ug/kg)
1
5
10
Depth (ft)
PA-Q1
PA-Q2
PA-Q3
PA-Q4
Co Background
Co RPRG =
900,000 ug/kg

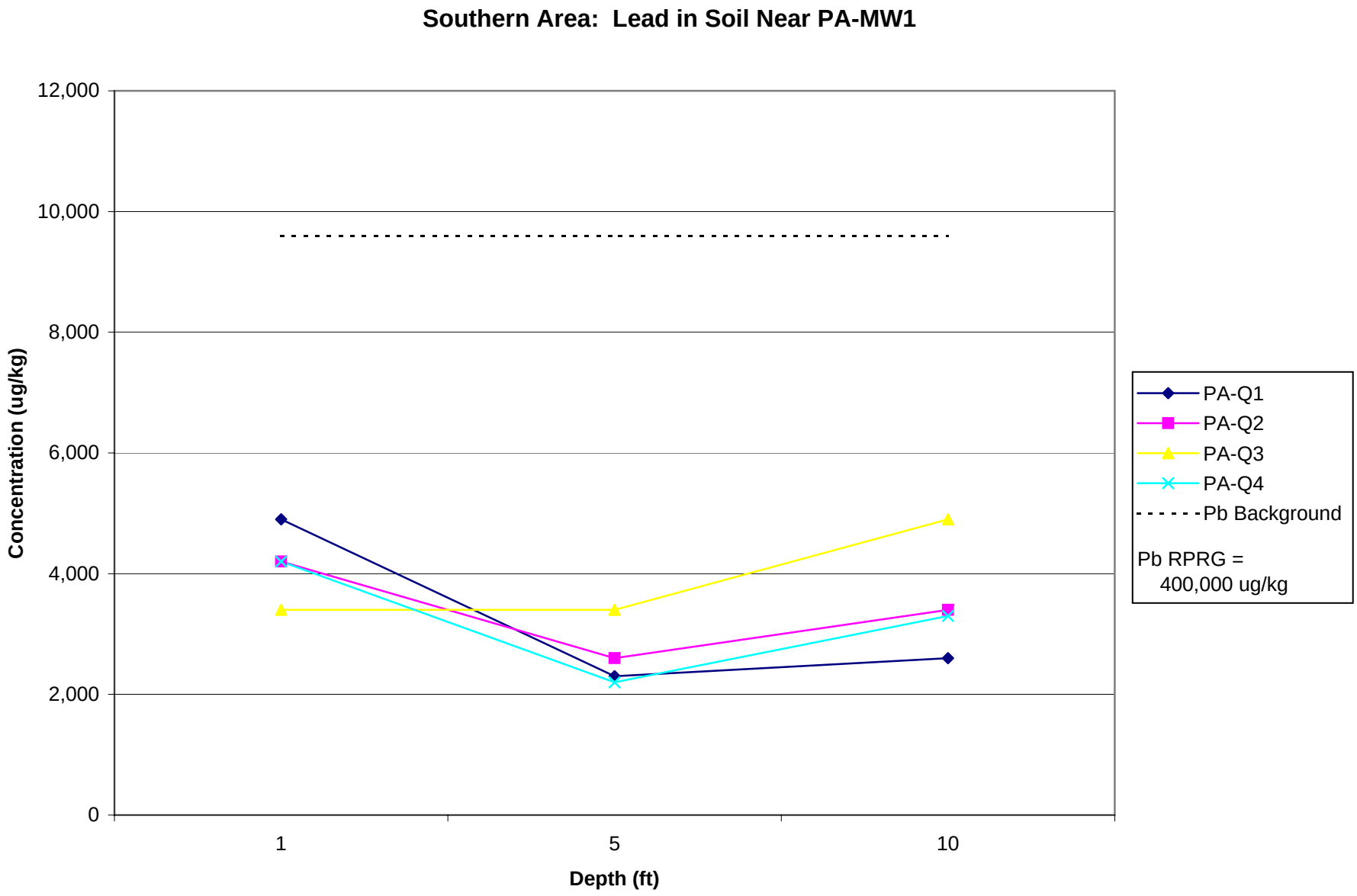

Southern Area: Cobalt in Soil Near PA-GW4
12,000
10,000
8,000
6,000
4,000
2,000
0
Concentration (ug/kg)
1
5
10
Depth (ft)
PA-A1
PA-D1
PA-D2
PA-E1
PA-E2
PA-F4
Co Background
Co RPRG =
900,000 ug/kg

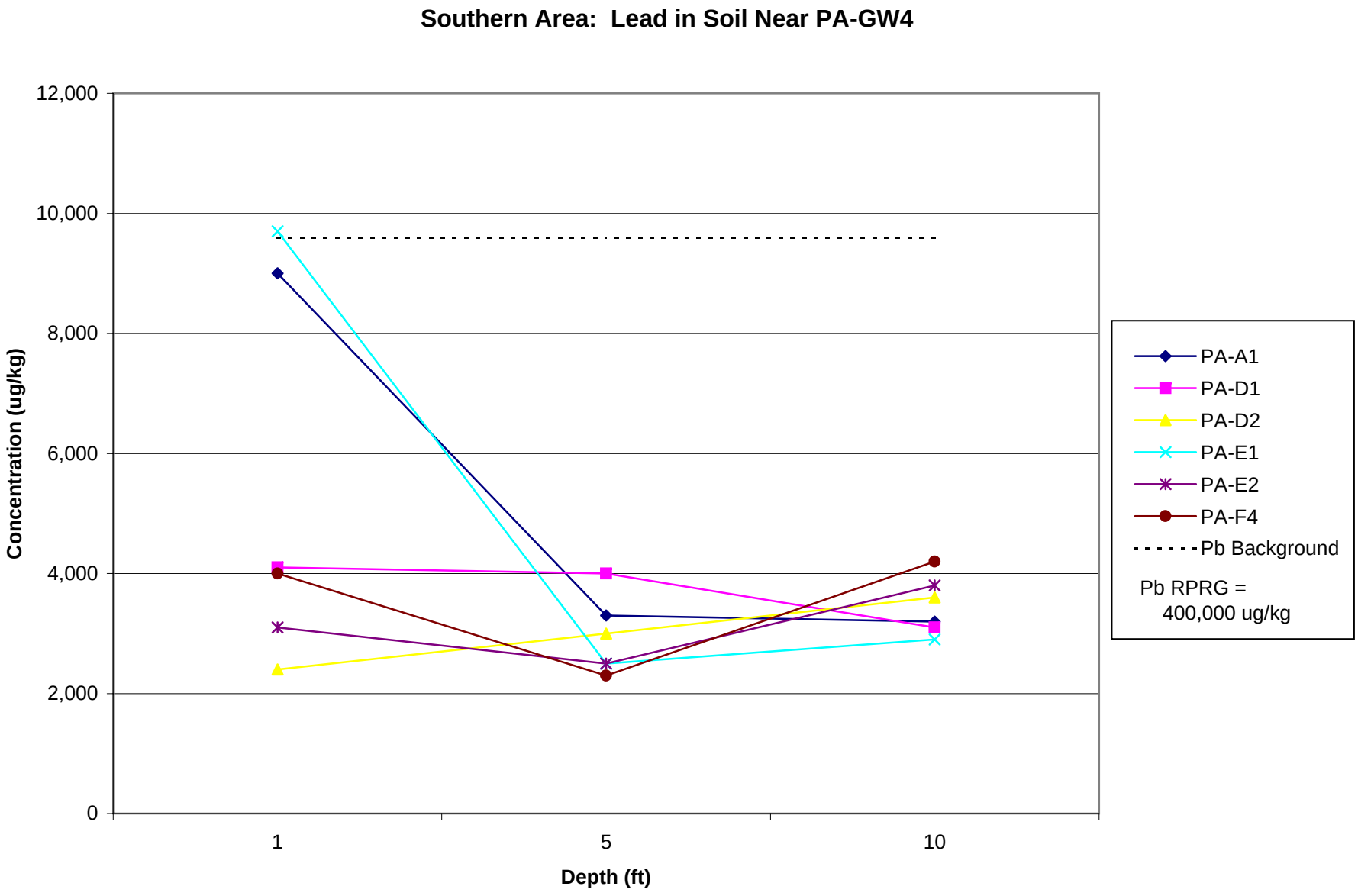

Southern Area: Copper in soil near PA-MW1
1,400,000
1,200,000
1,000,000
800,000
600,000
400,000
200,000
0
Concentration (ug/kg)
1
5
10
Depth (ft)
PA-Q1
PA-Q2
PA-Q3
PA-Q4
Cu Background
Cu RPRG =
3,100,000 ug/kg

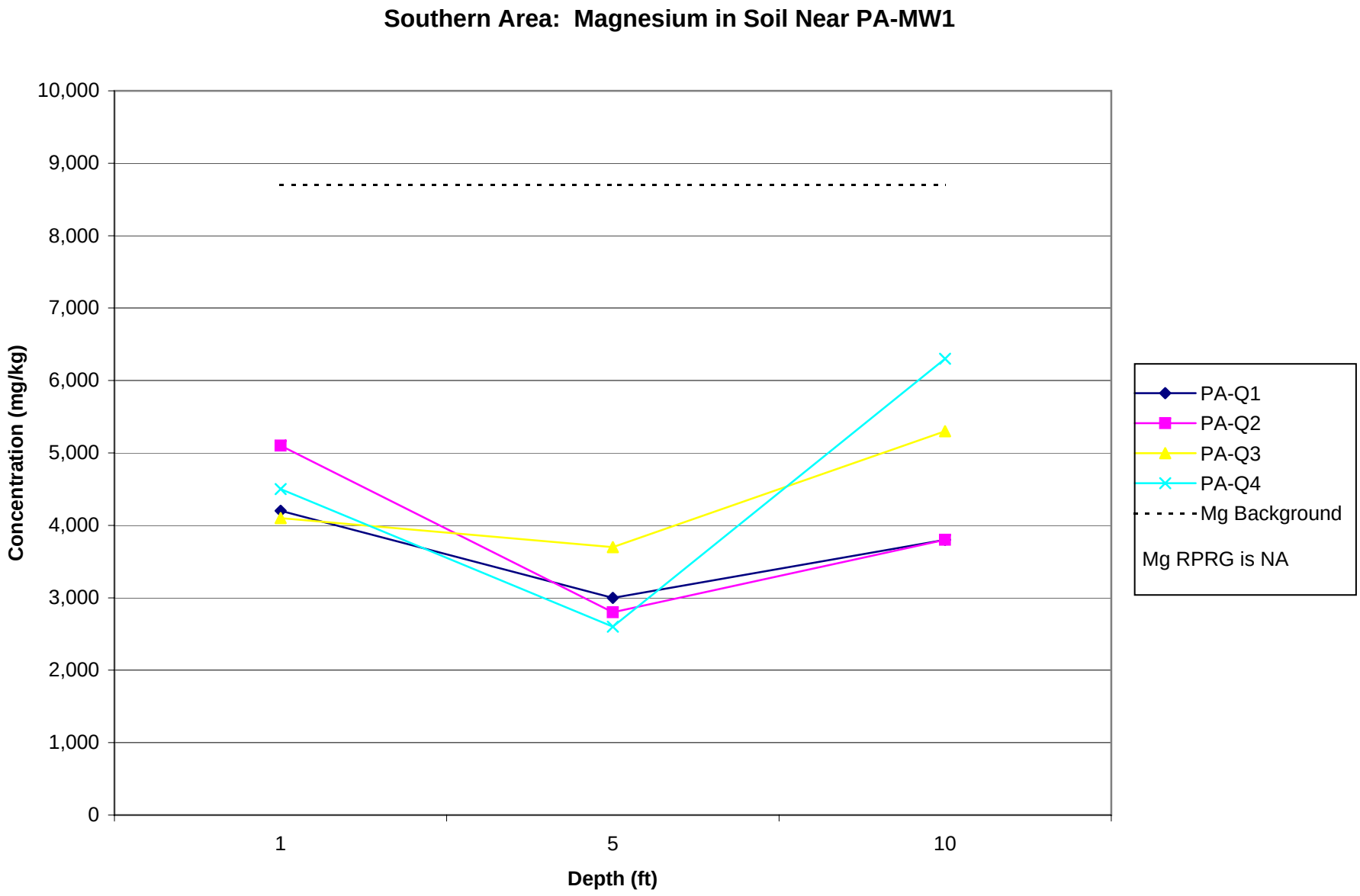

Southern Area: Copper in Soil Near PA-GW4
900,000
800,000
700,000
600,000
500,000
400,000
300,000
200,000
100,000
0
Concentration (ug/kg)
1
5
10
Depth (ft)
PA-A1
PA-D1
PA-D2
PA-E1
PA-E2
PA-F4
Cu Background
Cu RPRG =
3,100,000 ug/kg

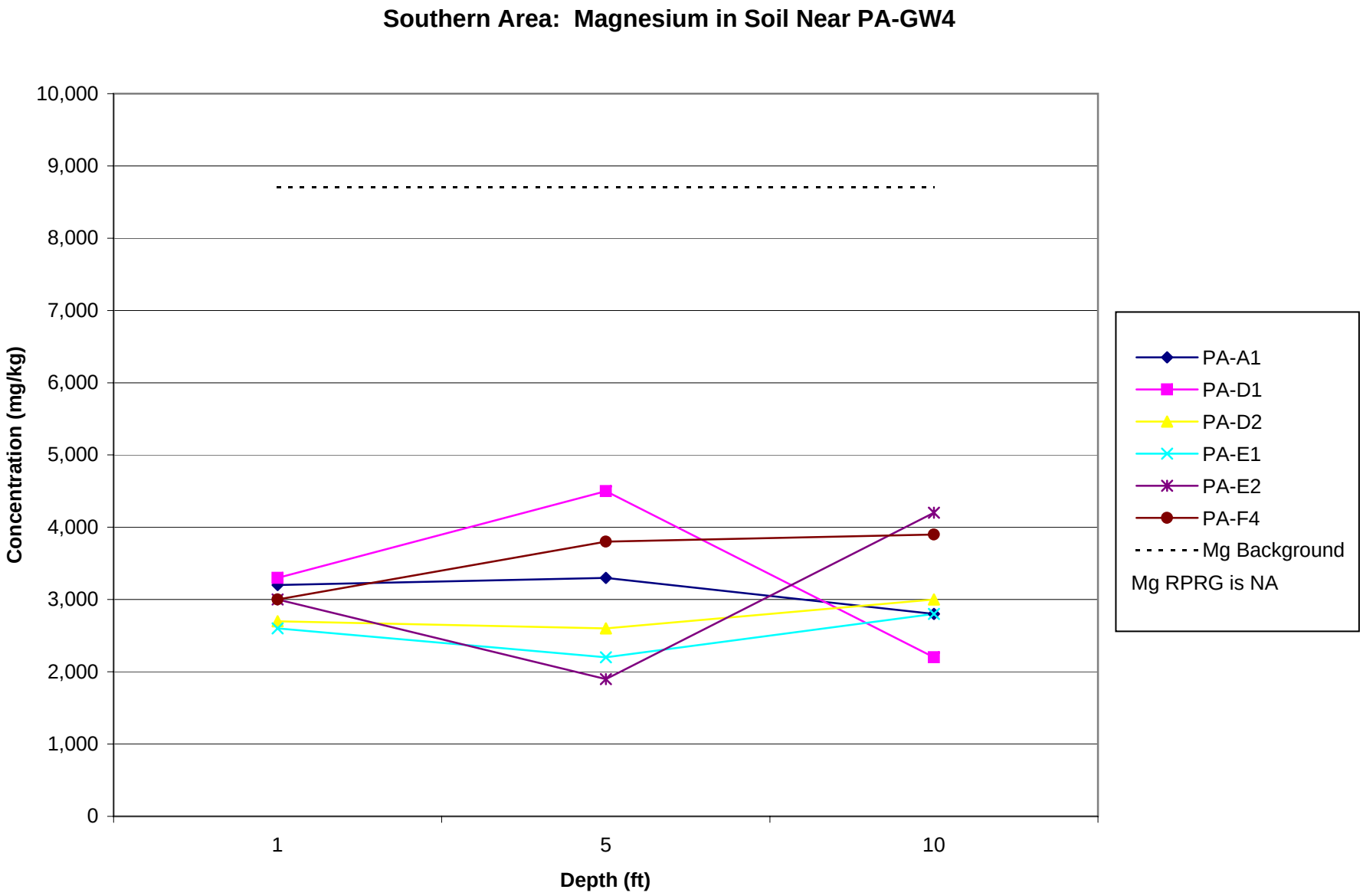

Southern Area: Iron in Soil Near PA-MW1
30,000
25,000
20,000
15,000
10,000
5,000
0
Concentration (mg/kg)
1
5
10
Depth (ft)
PA-Q1
PA-Q2
PA-Q3
PA-Q4
Fe Background
Fe RPRG

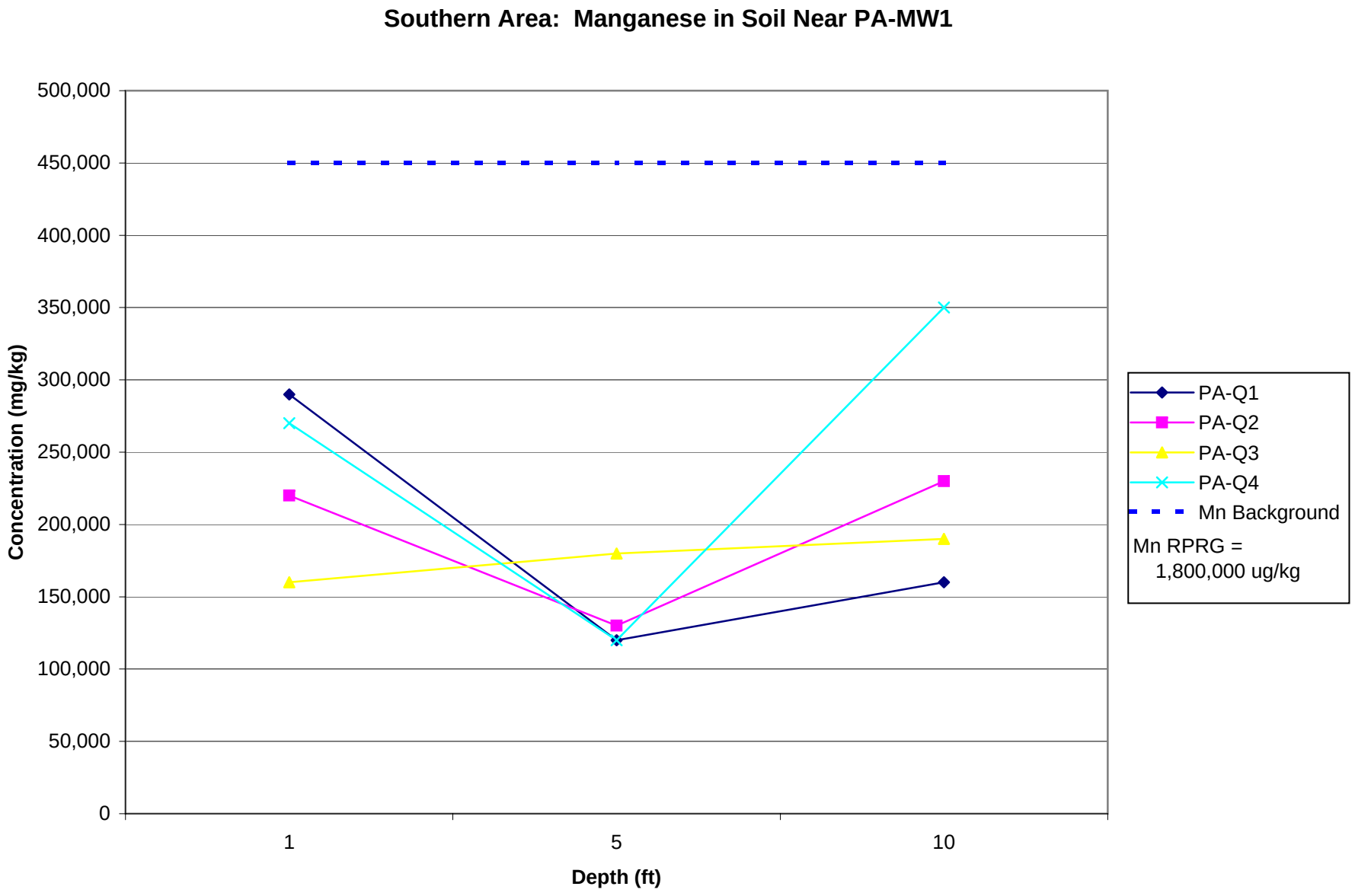

Southern Area: Iron in Soil Near PA-GW4
30,000
25,000
20,000
15,000
10,000
5,000
0
Concentration (mg/kg)
1
5
10
Depth (ft)
PA-A1
PA-D1
PA-D2
PA-E1
PA-E2
PA-F4
Fe Background
Fe RPRG

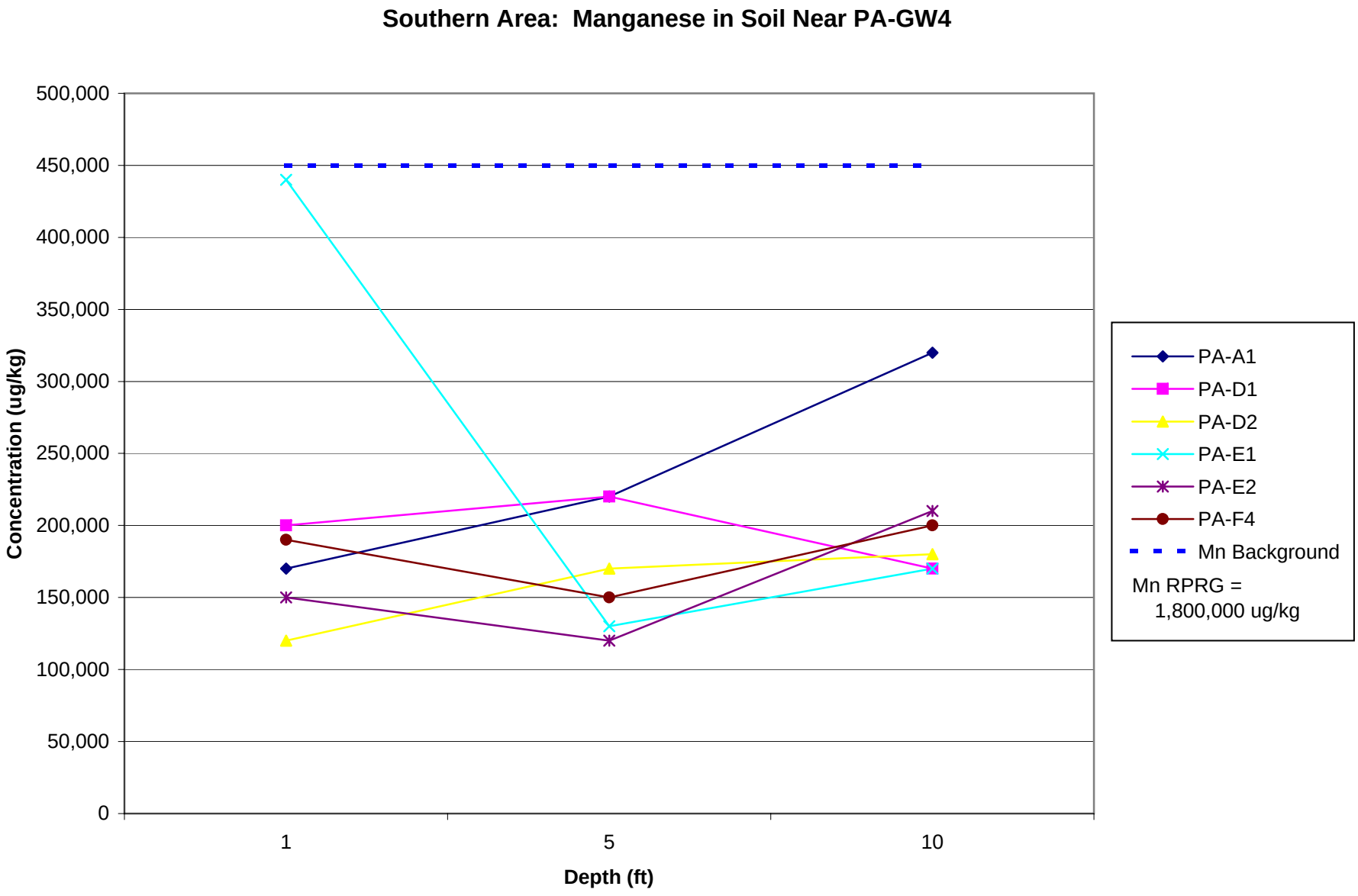

Southern Area: Lead in Soil Near PA-MW1
12,000
10,000
8,000
6,000
4,000
2,000
0
Concentration (ug/kg)
1
5
10
Depth (ft)
PA-Q1
PA-Q2
PA-Q3
PA-Q4
Pb Background
Pb RPRG =
400,000 ug/kg

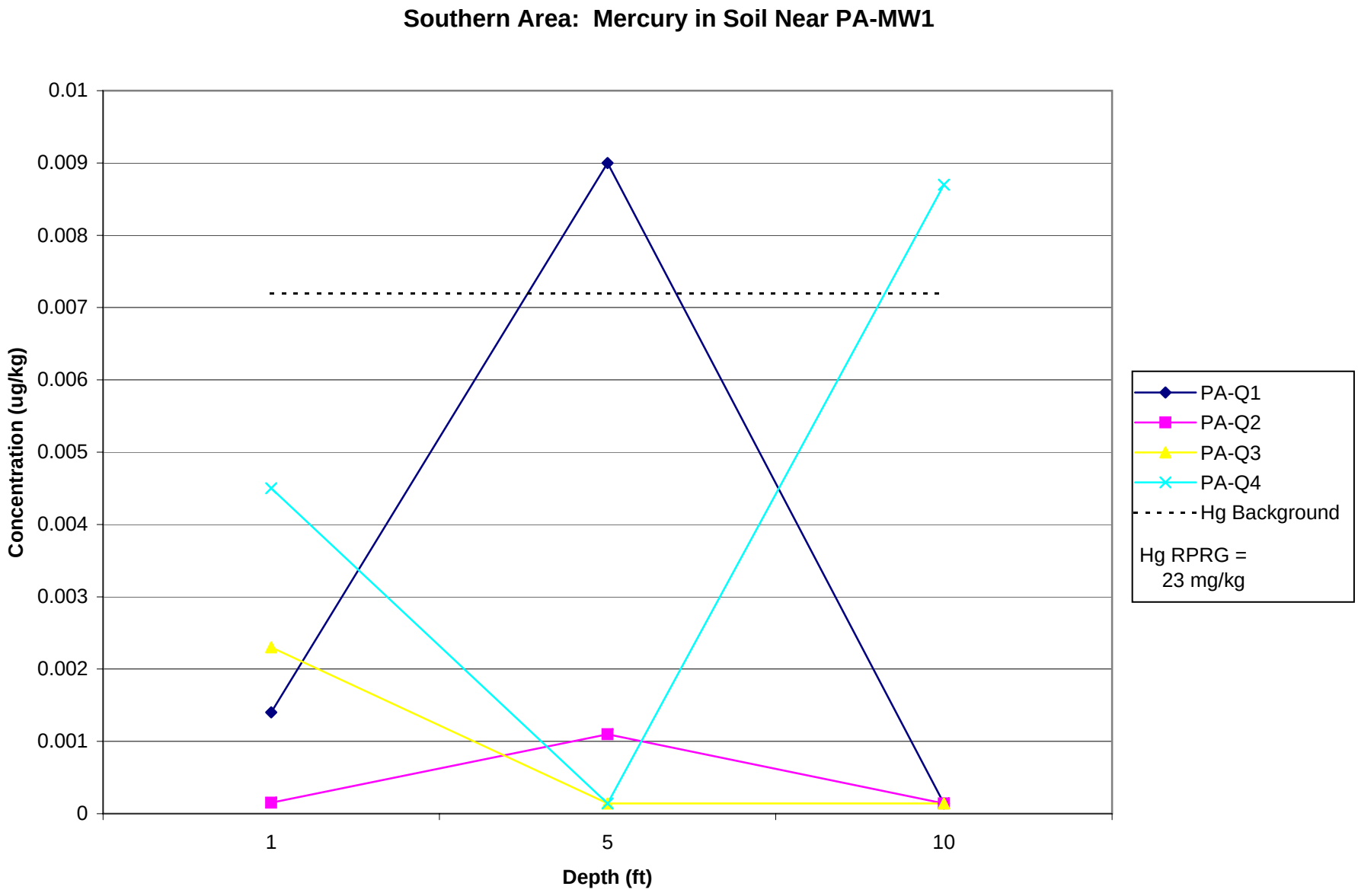

Southern Area: Lead in Soil Near PA-GW4
12,000
10,000
8,000
6,000
4,000
2,000
0
Concentration (ug/kg)
1
5
10
Depth (ft)
PA-A1
PA-D1
PA-D2
PA-E1
PA-E2
PA-F4
Pb Background
Pb RPRG =
400,000 ug/kg

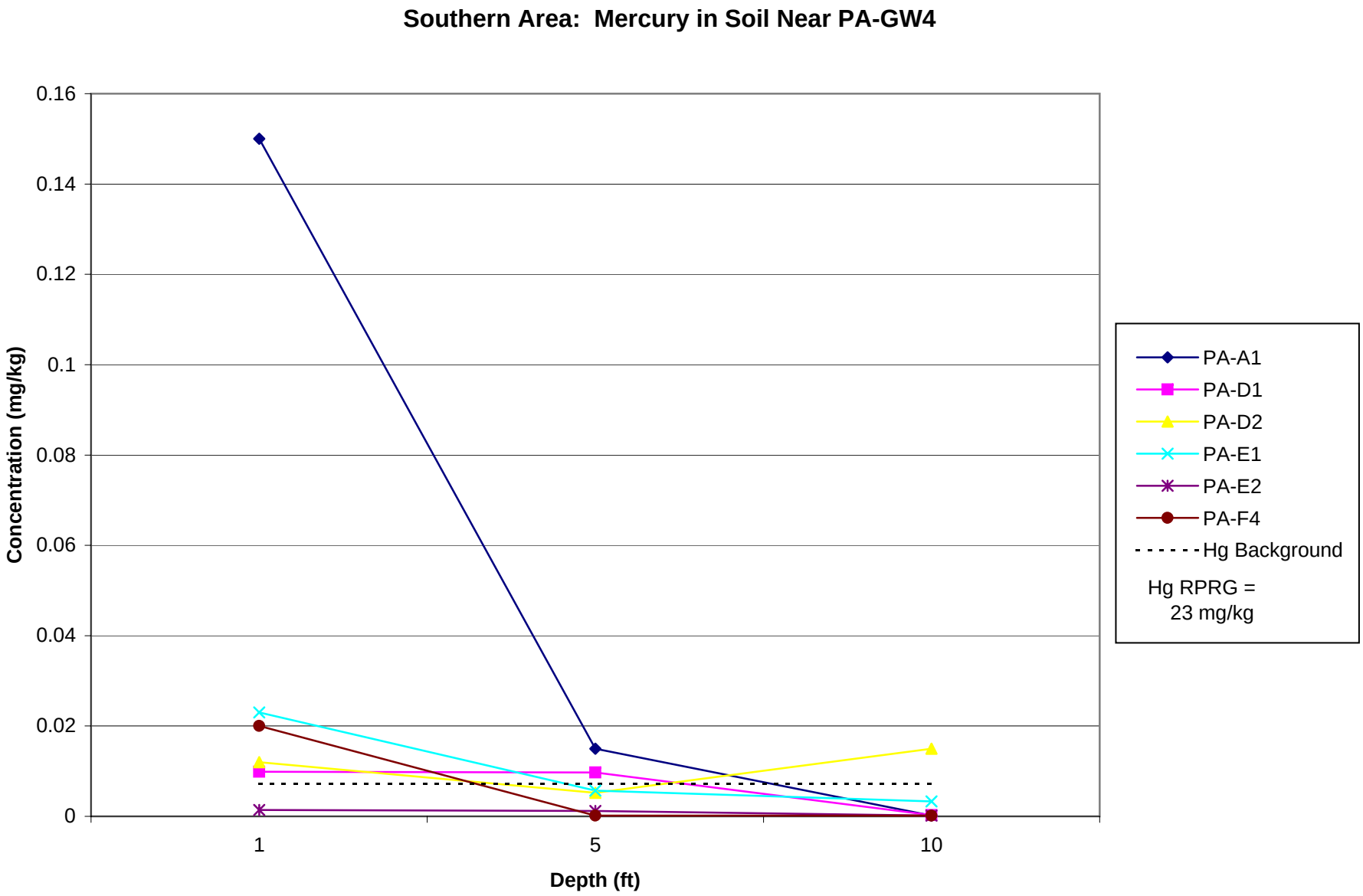

Southern Area: Magnesium in Soil Near PA-MW1
10,000
9,000
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
Concentration (mg/kg)
1
5
10
Depth (ft)
PA-Q1
PA-Q2
PA-Q3
PA-Q4
Mg Background
Mg RPRG is NA

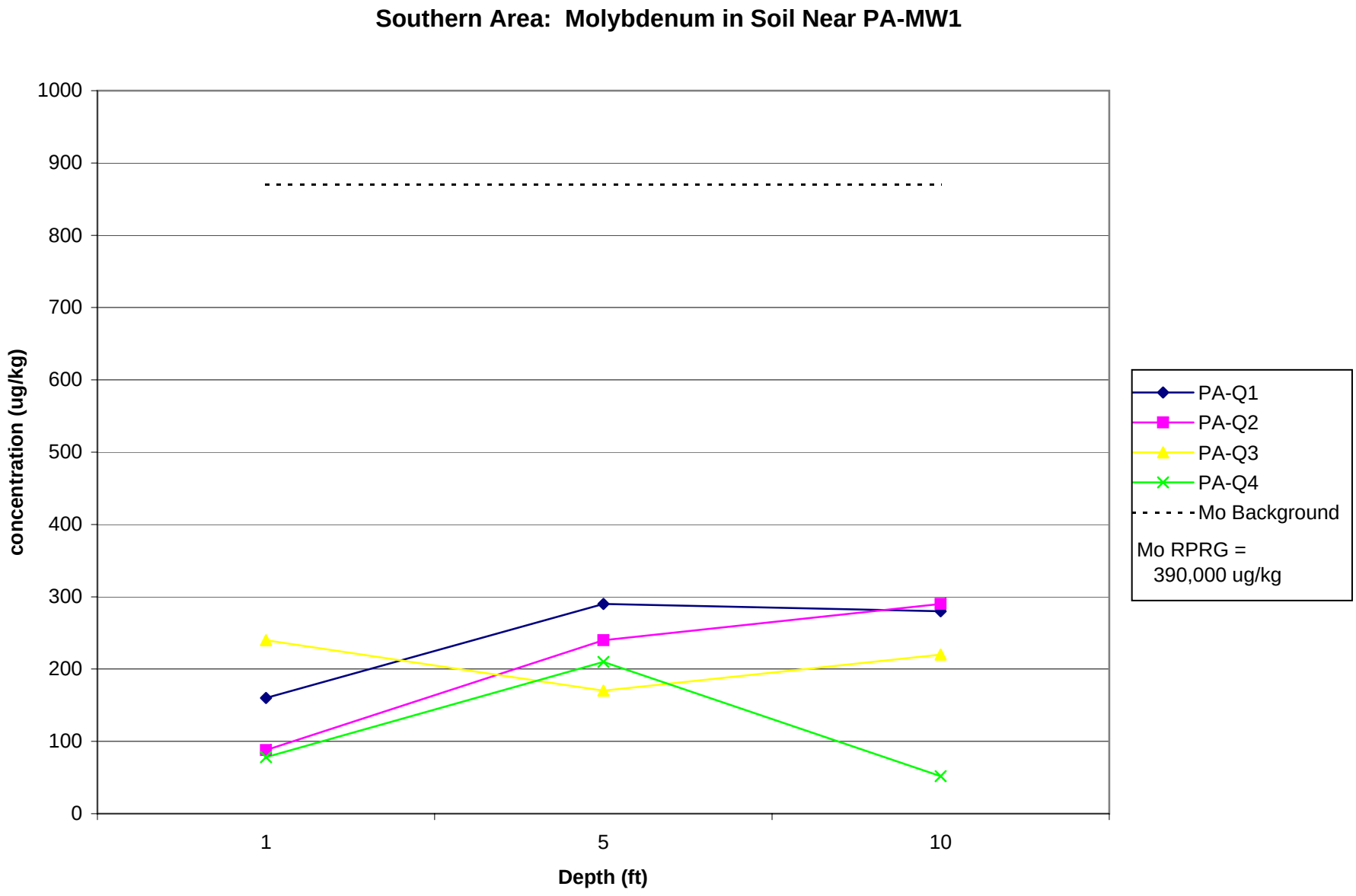

Southern Area: Magnesium in Soil Near PA-GW4
10,000
9,000
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
Concentration (mg/kg)
1
5
10
Depth (ft)
PA-A1
PA-D1
PA-D2
PA-E1
PA-E2
PA-F4
Mg Background
Mg RPRG is NA

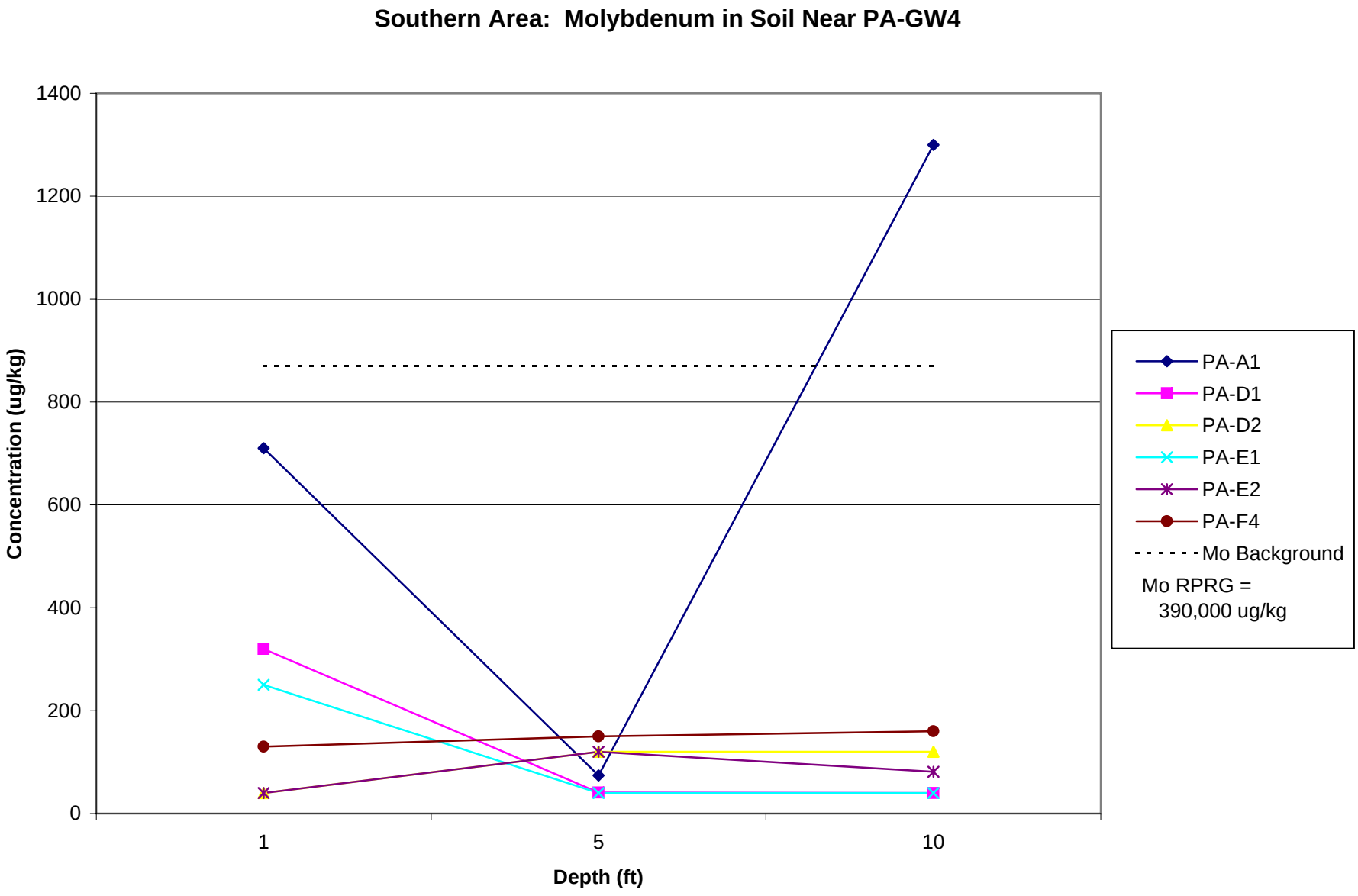

Southern Area: Manganese in Soil Near PA-MW1
500,000
450,000
400,000
350,000
300,000
250,000
200,000
150,000
100,000
50,000
0
Concentration (mg/kg)
1
5
10
Depth (ft)
PA-Q1
PA-Q2
PA-Q3
PA-Q4
Mn Background
Mn RPRG =
1,800,000 ug/kg

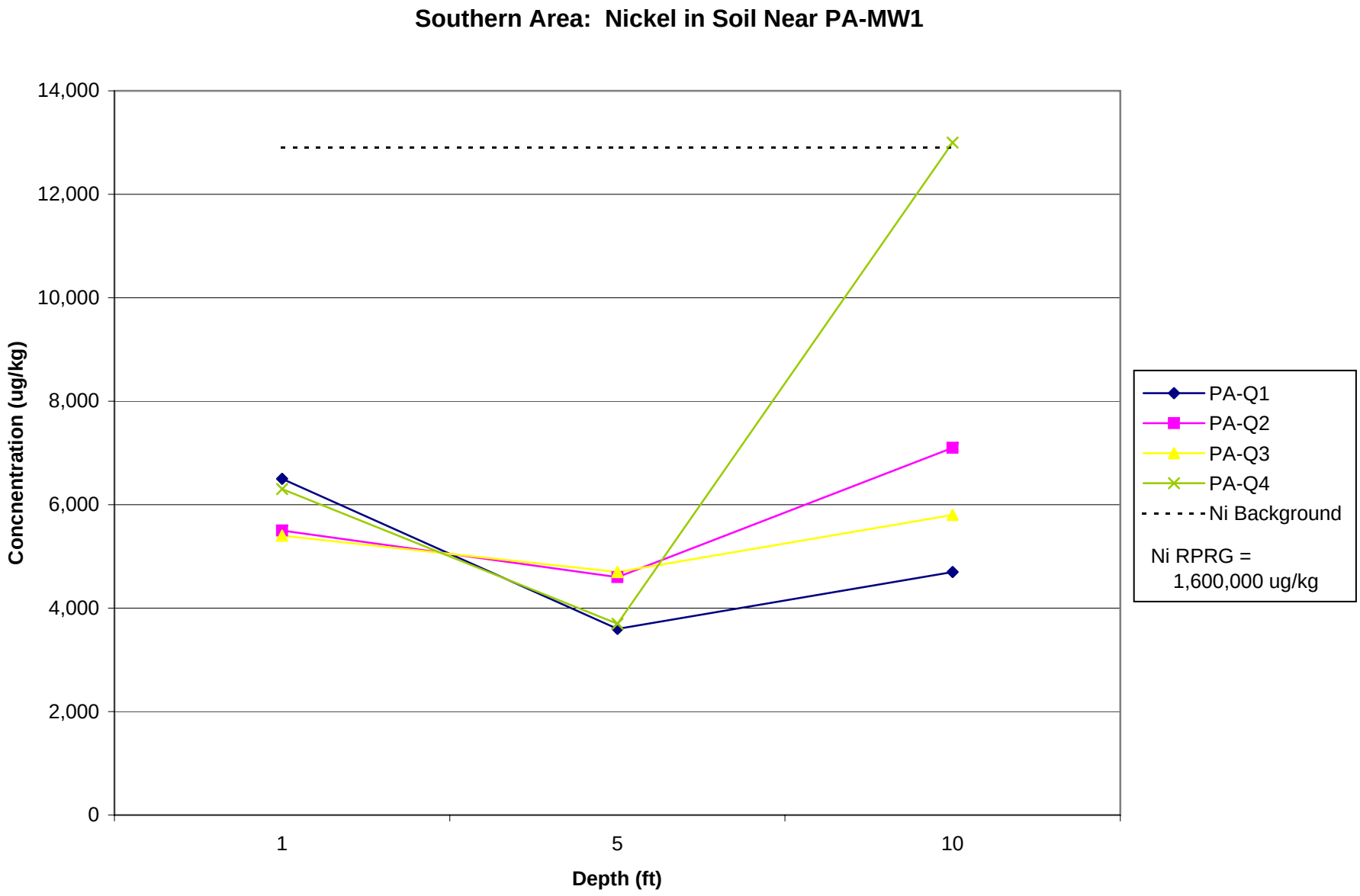

Southern Area: Manganese in Soil Near PA-GW4
500,000
450,000
400,000
350,000
300,000
250,000
200,000
150,000
100,000
50,000
0
Concentration (ug/kg)
1
5
10
Depth (ft)
PA-A1
PA-D1
PA-D2
PA-E1
PA-E2
PA-F4
Mn Background
Mn RPRG =
1,800,000 ug/kg

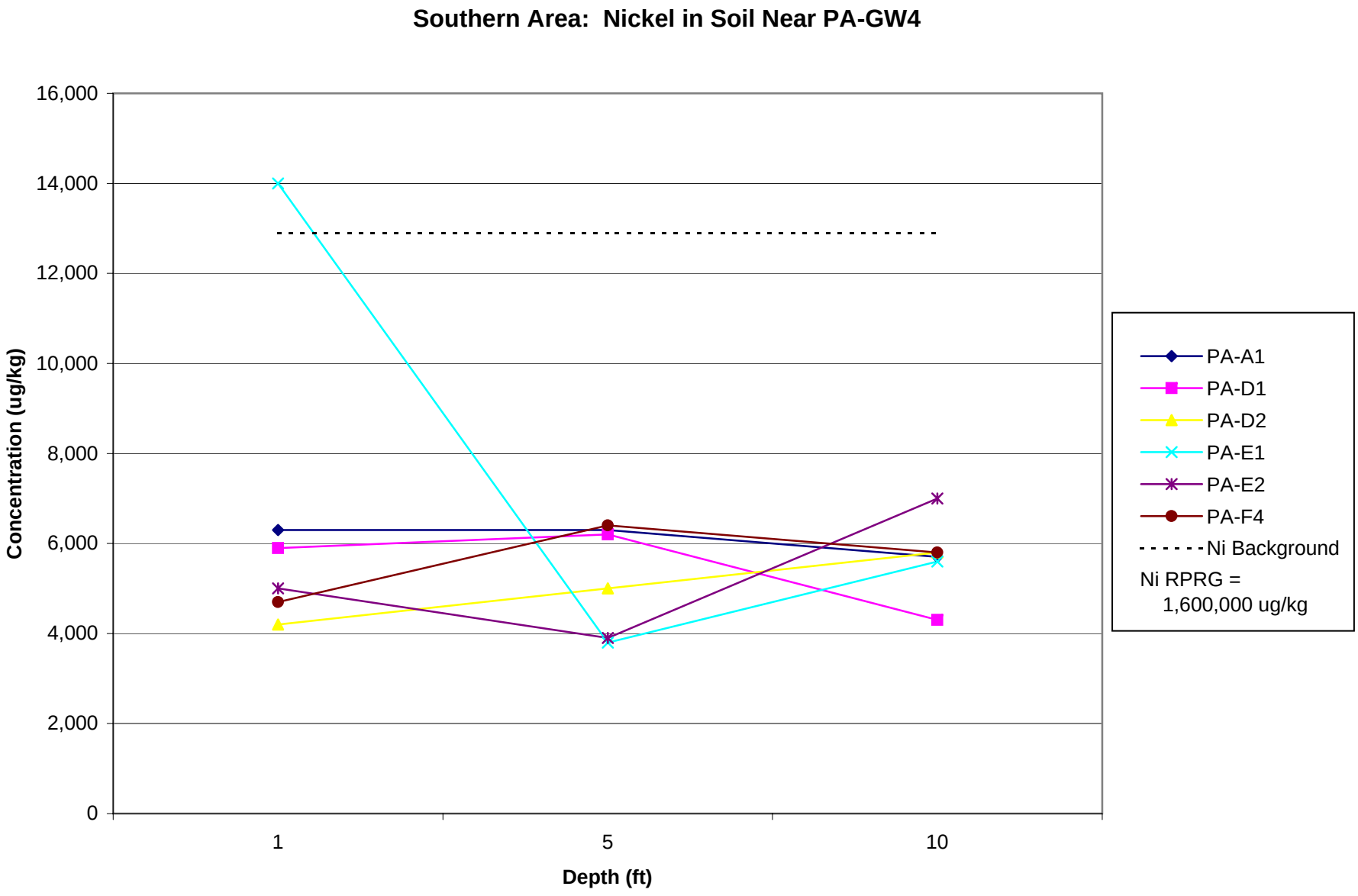

Southern Area: Mercury in Soil Near PA-MW1
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0
Concentration (ug/kg)
1
5
10
Depth (ft)
PA-Q1
PA-Q2
PA-Q3
PA-Q4
Hg Background
Hg RPRG =
23 mg/kg

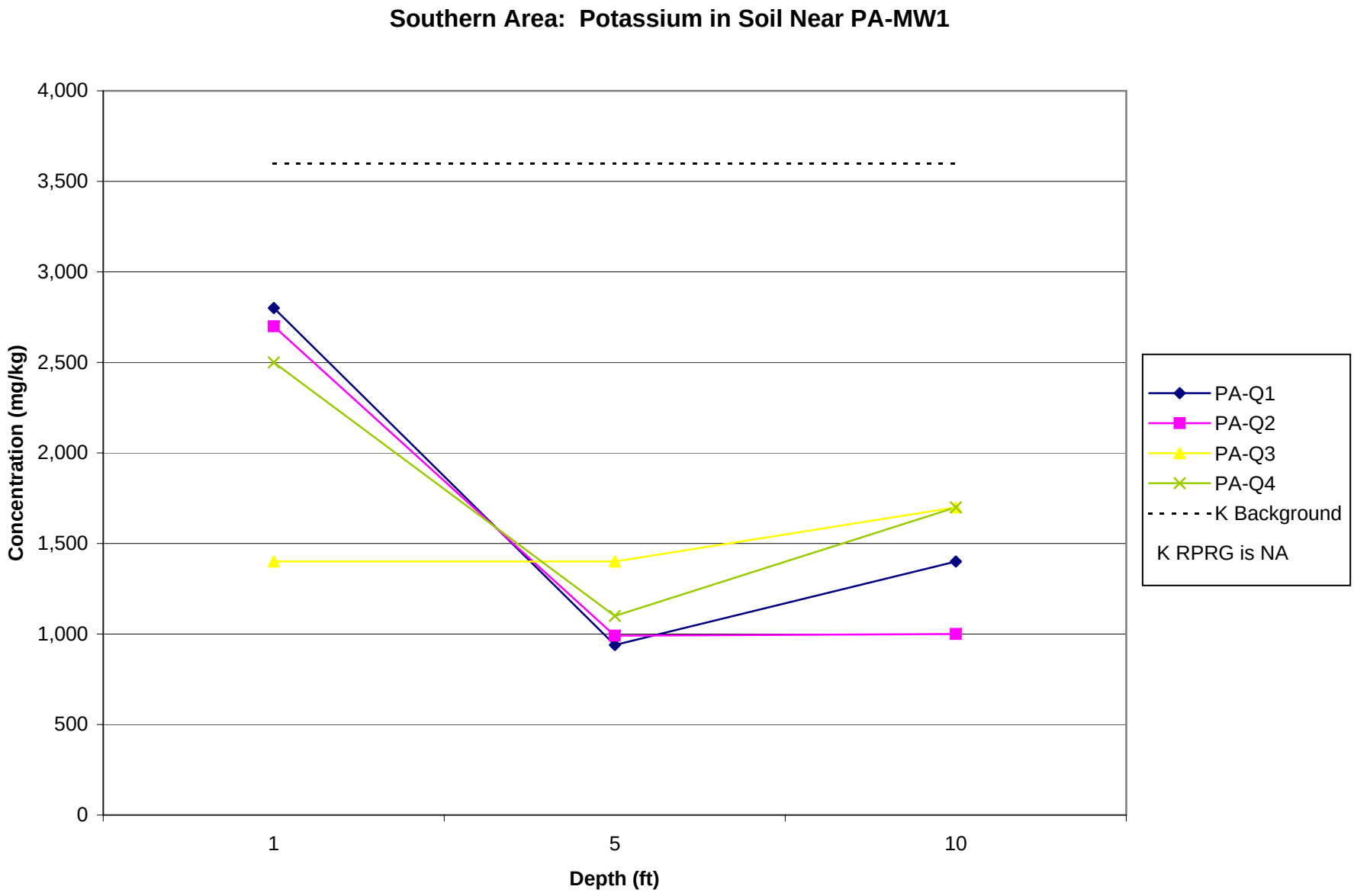

Southern Area: Mercury in Soil Near PA-GW4
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
Concentration (mg/kg)
1
5
10
Depth (ft)
PA-A1
PA-D1
PA-D2
PA-E1
PA-E2
PA-F4
Hg Background
Hg RPRG =
23 mg/kg

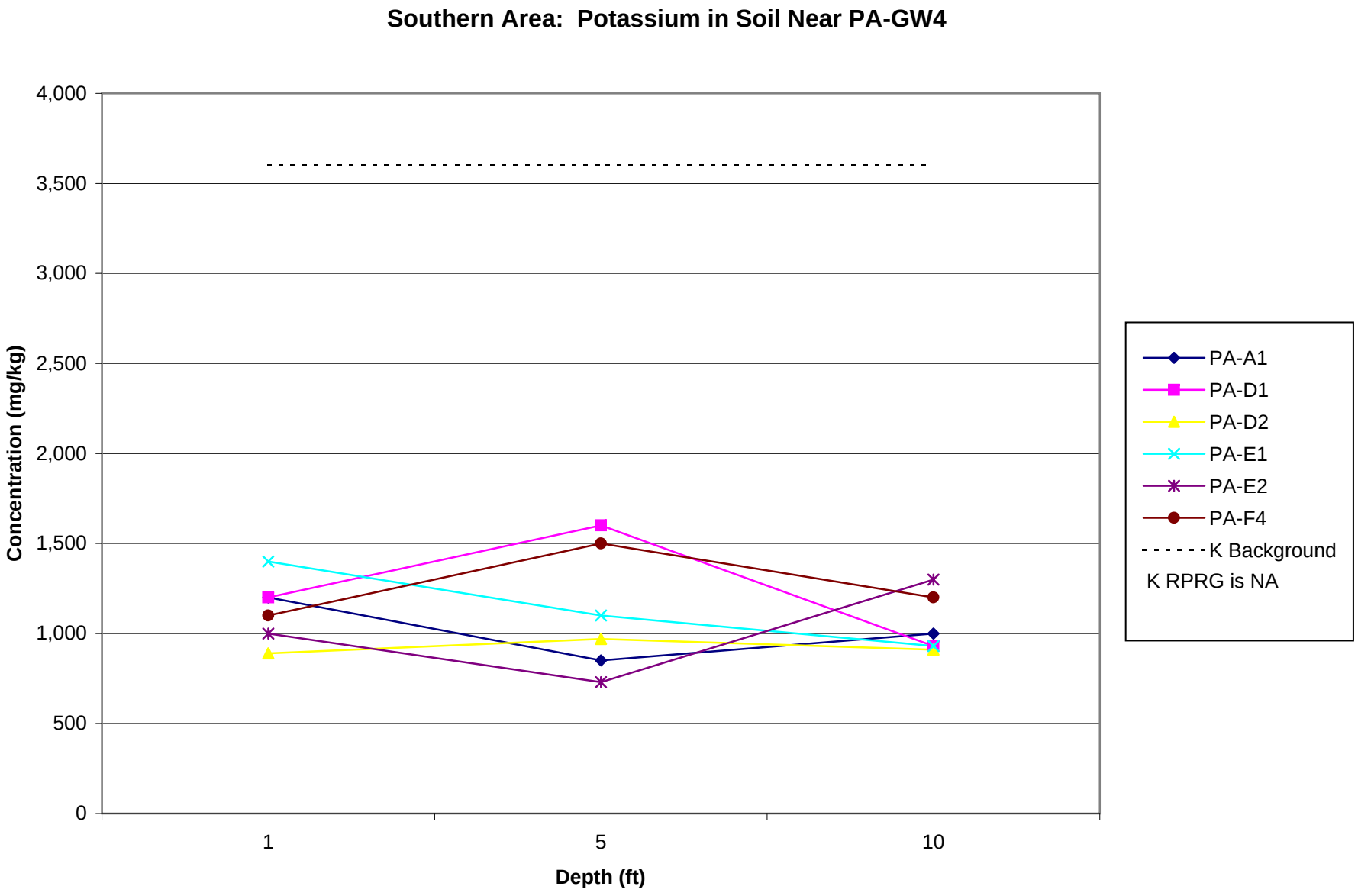

Southern Area: Molybdenum in Soil Near PA-MW1
concentration (ug/kg)
1000
900
800
700
600
500
400
300
200
100
0
1
5
10
Depth (ft)
PA-Q1
PA-Q2
PA-Q3
PA-Q4
Mo Background
Mo RPRG =
390,000 ug/kg

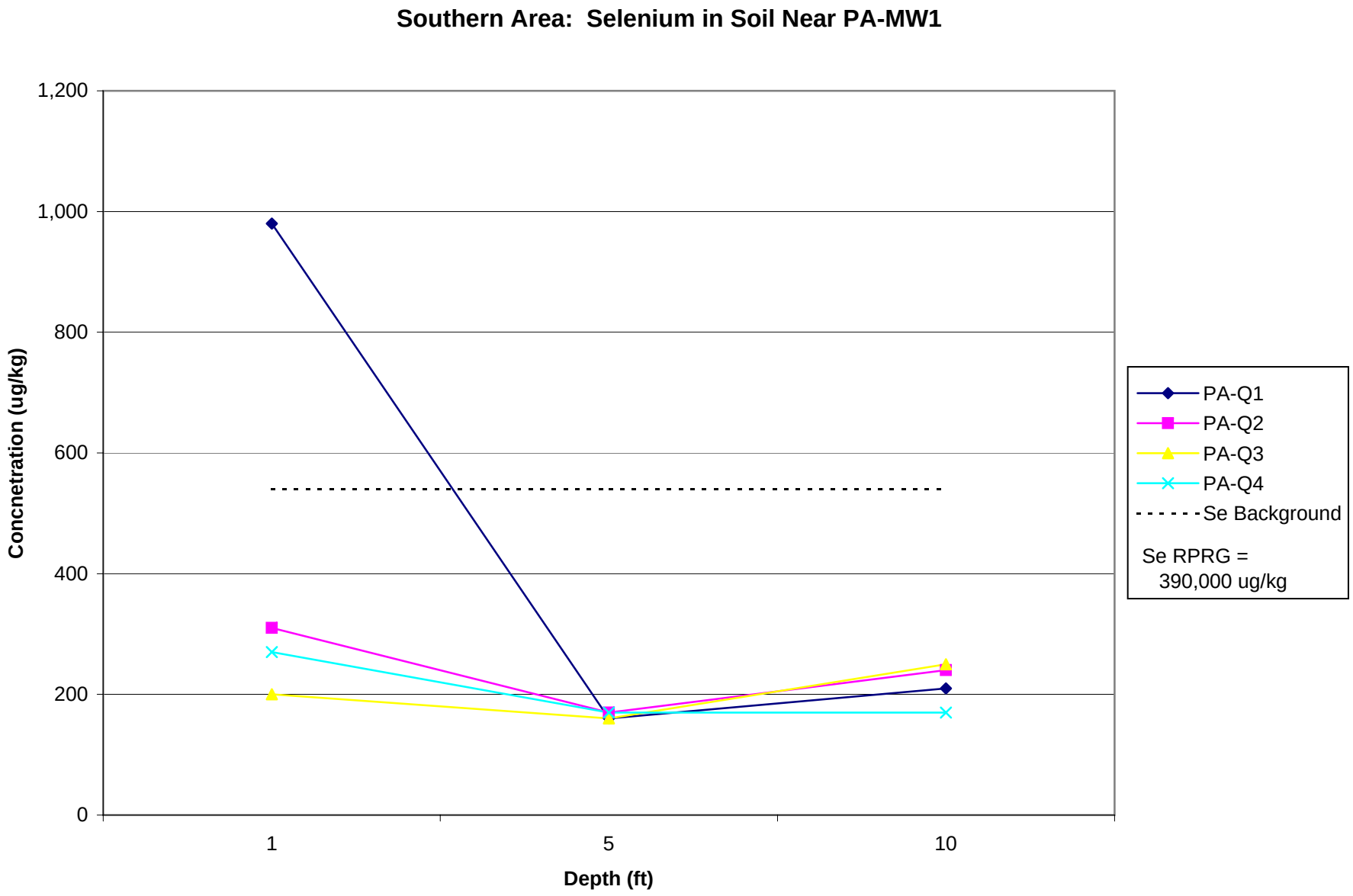

Southern Area: Molybdenum in Soil Near PA-GW4
Concentration (ug/kg)
1400
1200
1000
800
600
400
200
0
1
5
10
Depth (ft)
PA-A1
PA-D1
PA-D2
PA-E1
PA-E2
PA-F4
Mo Background
Mo RPRG =
390,000 ug/kg

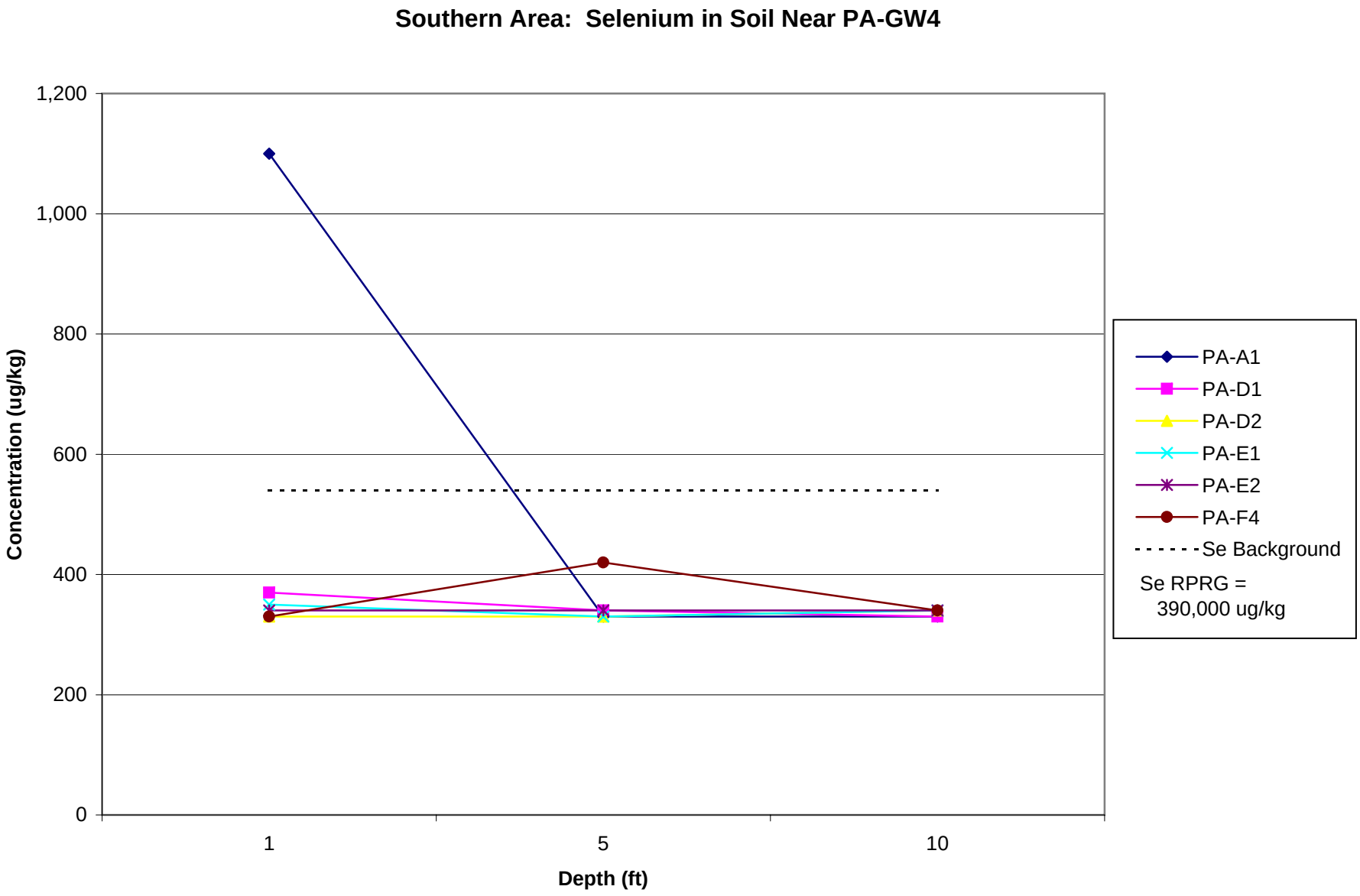

Southern Area: Nickel in Soil Near PA-MW1
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
Concnentration (ug/kg)
1
5
10
Depth (ft)
PA-Q1
PA-Q2
PA-Q3
PA-Q4
Ni Background
Ni RPRG =
1,600,000 ug/kg

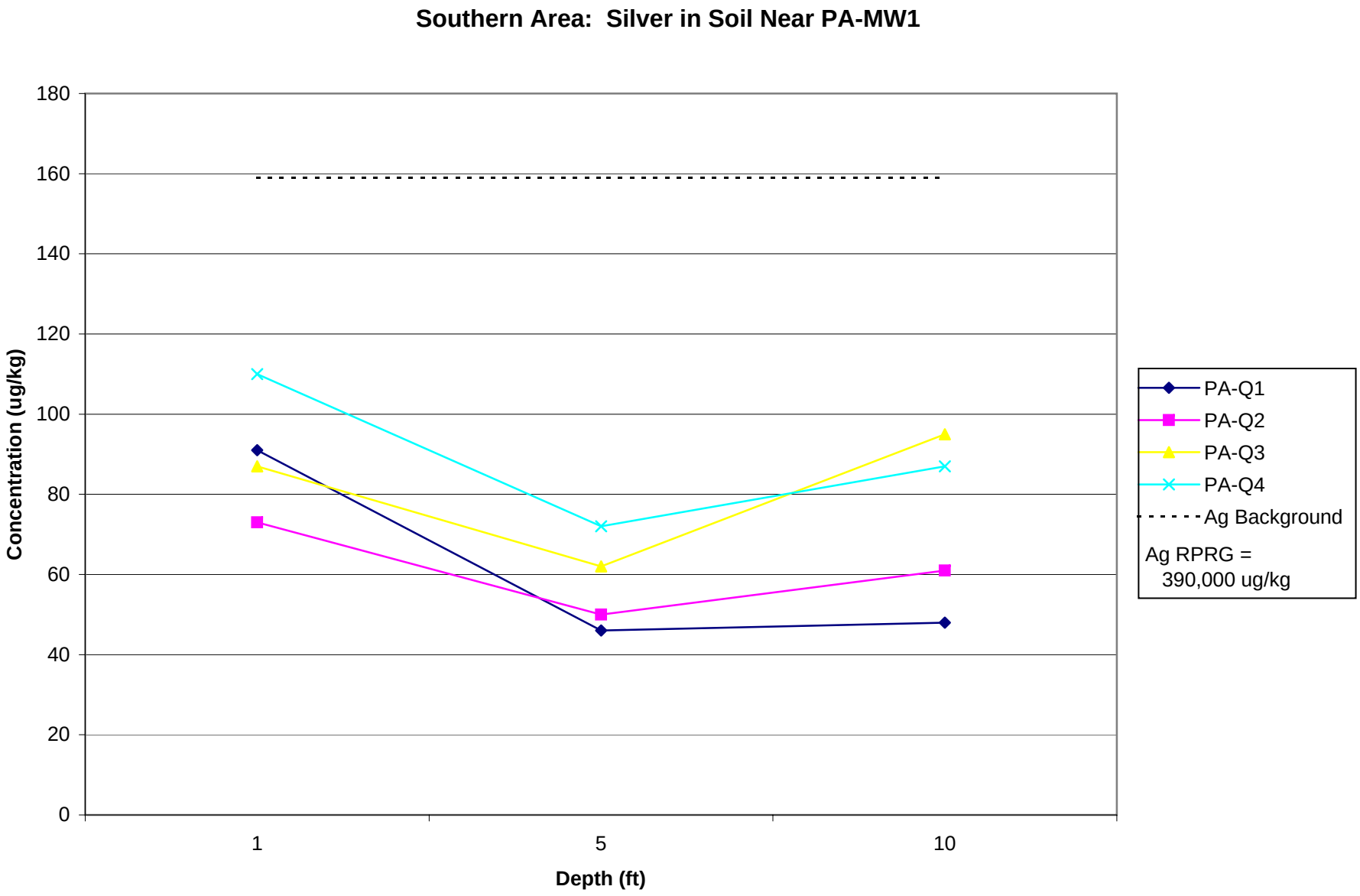

Southern Area: Nickel in Soil Near PA-GW4
16,000
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
Concentration (ug/kg)
1
5
10
Depth (ft)
PA-A1
PA-D1
PA-D2
PA-E1
PA-E2
PA-F4
Ni Background
Ni RPRG =
1,600,000 ug/kg

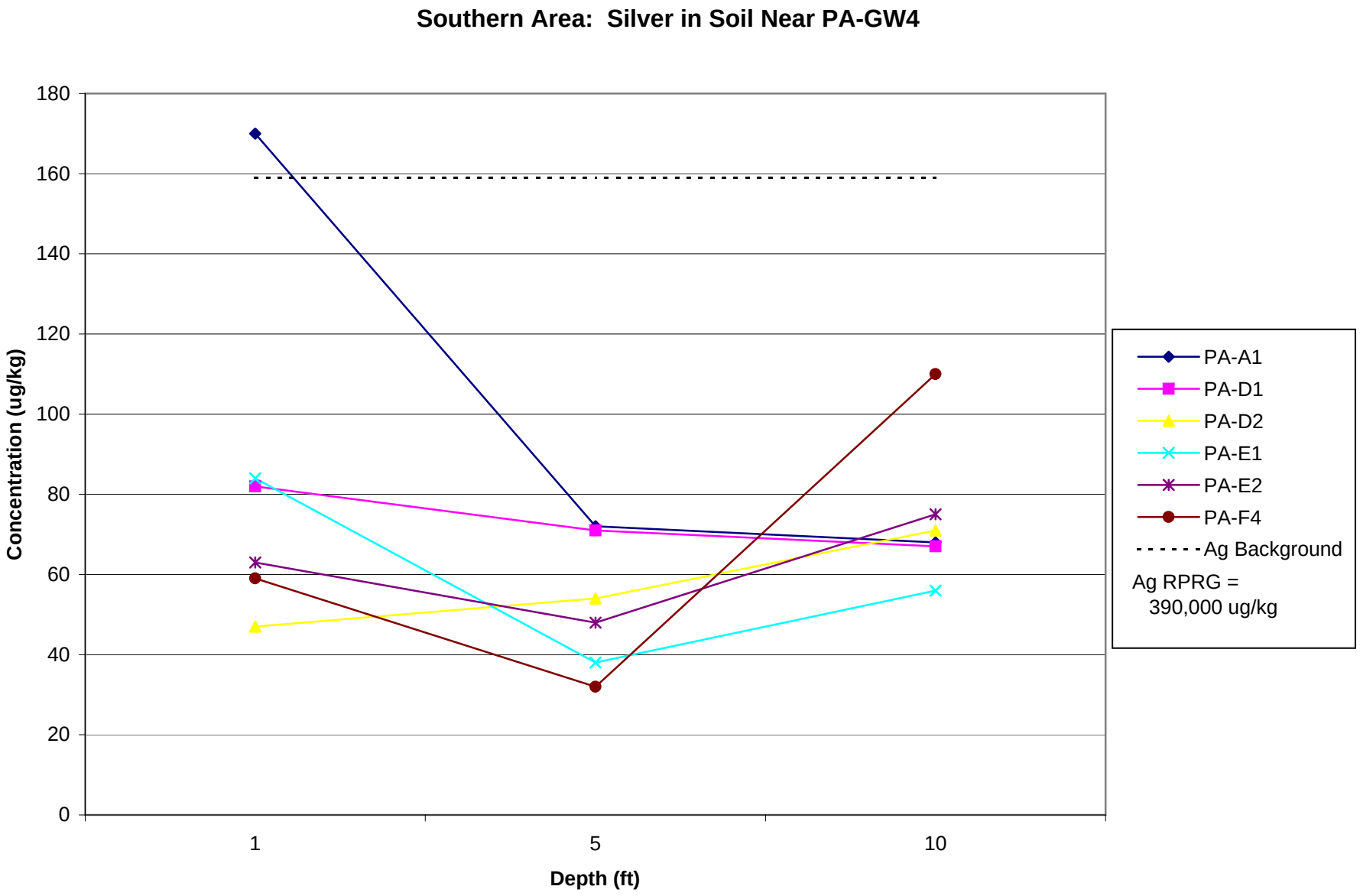

Southern Area: Potassium in Soil Near PA-MW1
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
0
Concentration (mg/kg)
1
5
10
Depth (ft)
PA-Q1
PA-Q2
PA-Q3
PA-Q4
K Background
K RPRG is NA

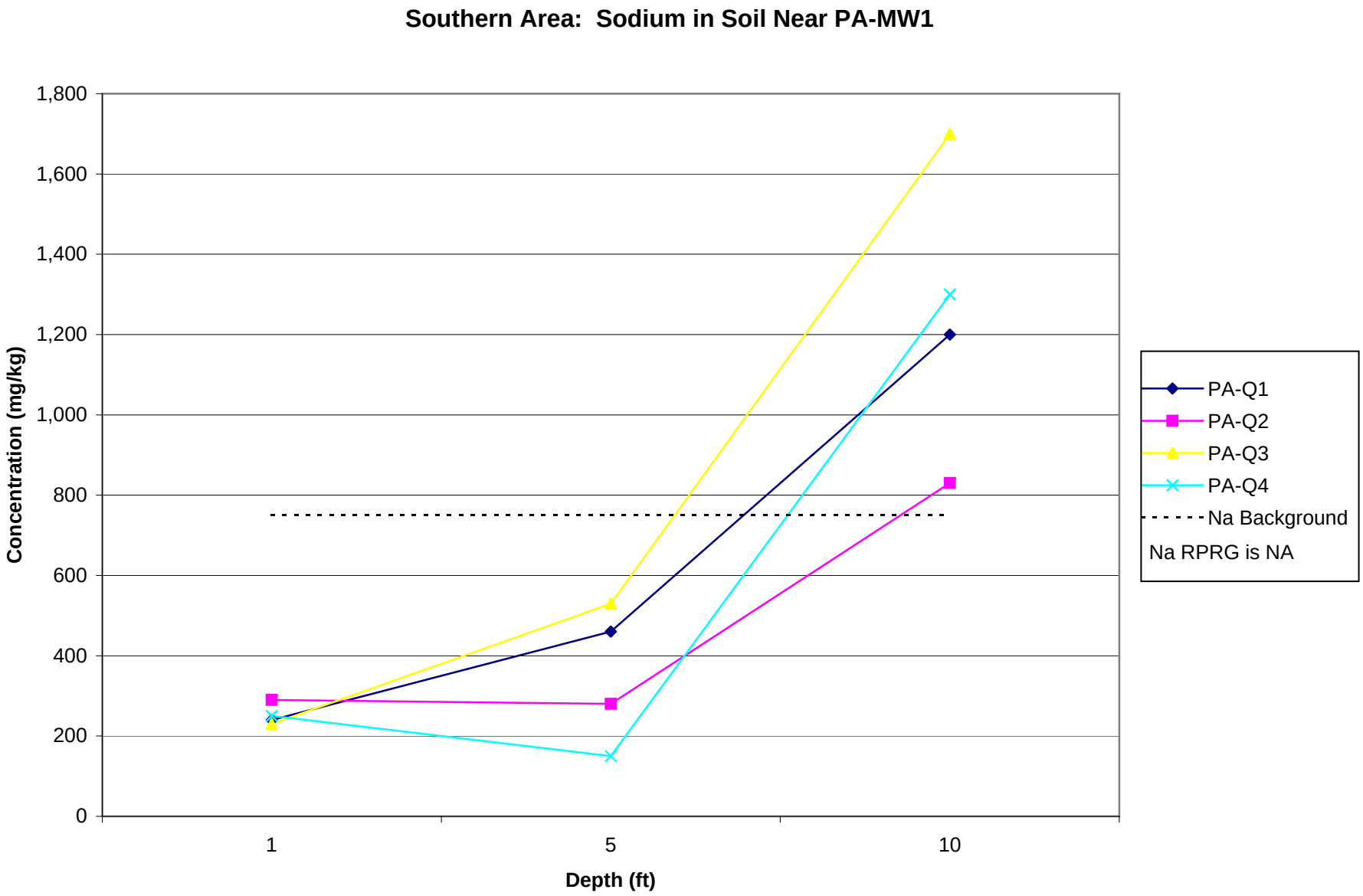

Southern Area: Potassium in Soil Near PA-GW4
Concentration (mg/kg)
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
0
1
5
10
Depth (ft)
PA-A1
PA-D1
PA-D2
PA-E1
PA-E2
PA-F4
K Background
K RPRG is NA

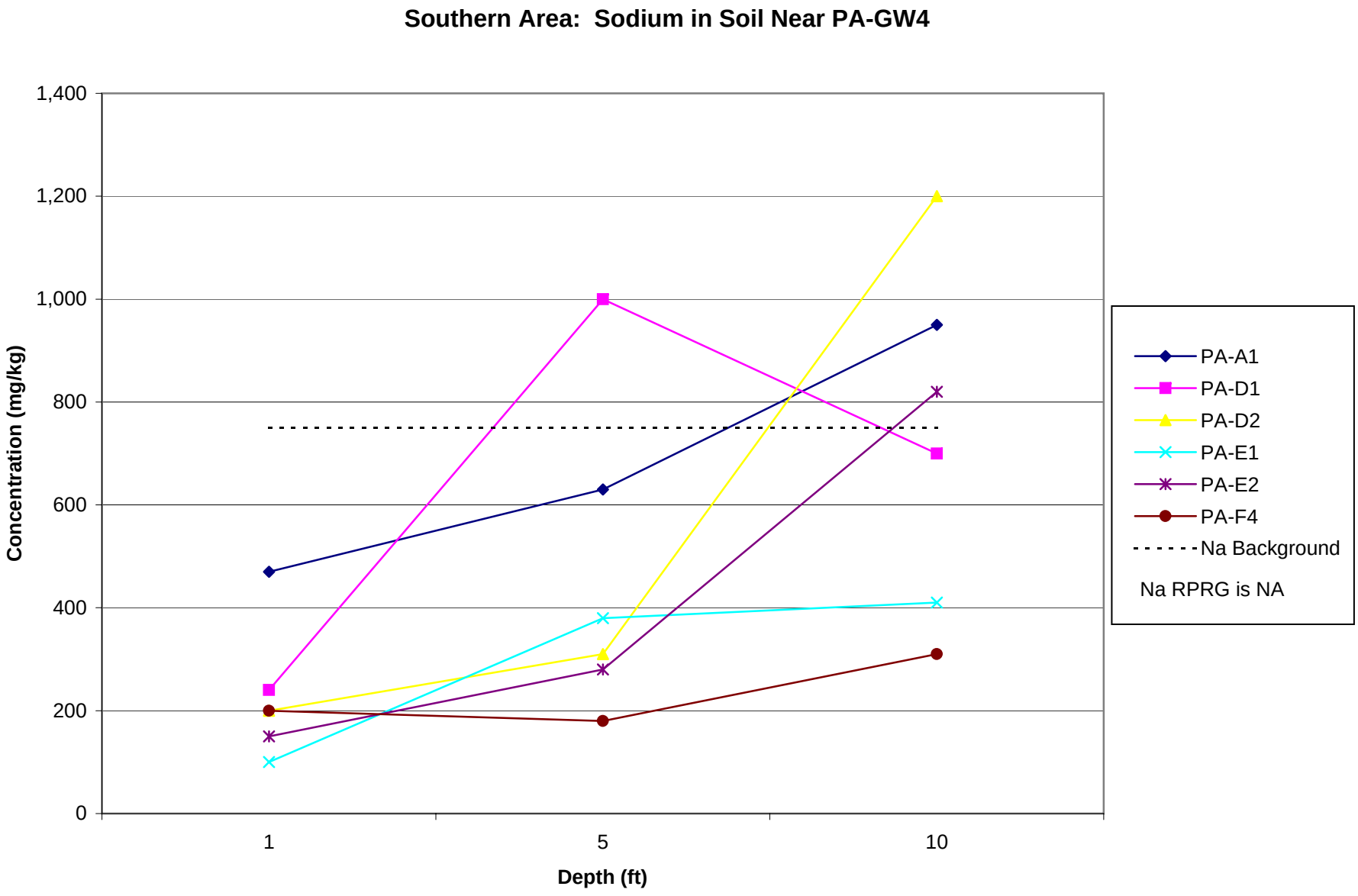

Southern Area: Selenium in Soil Near PA-MW1
1,200
1,000
800
600
400
200
0
Concnetration (ug/kg)
1
5
10
Depth (ft)
PA-Q1
PA-Q2
PA-Q3
PA-Q4
Se Background
Se RPRG =
390,000 ug/kg

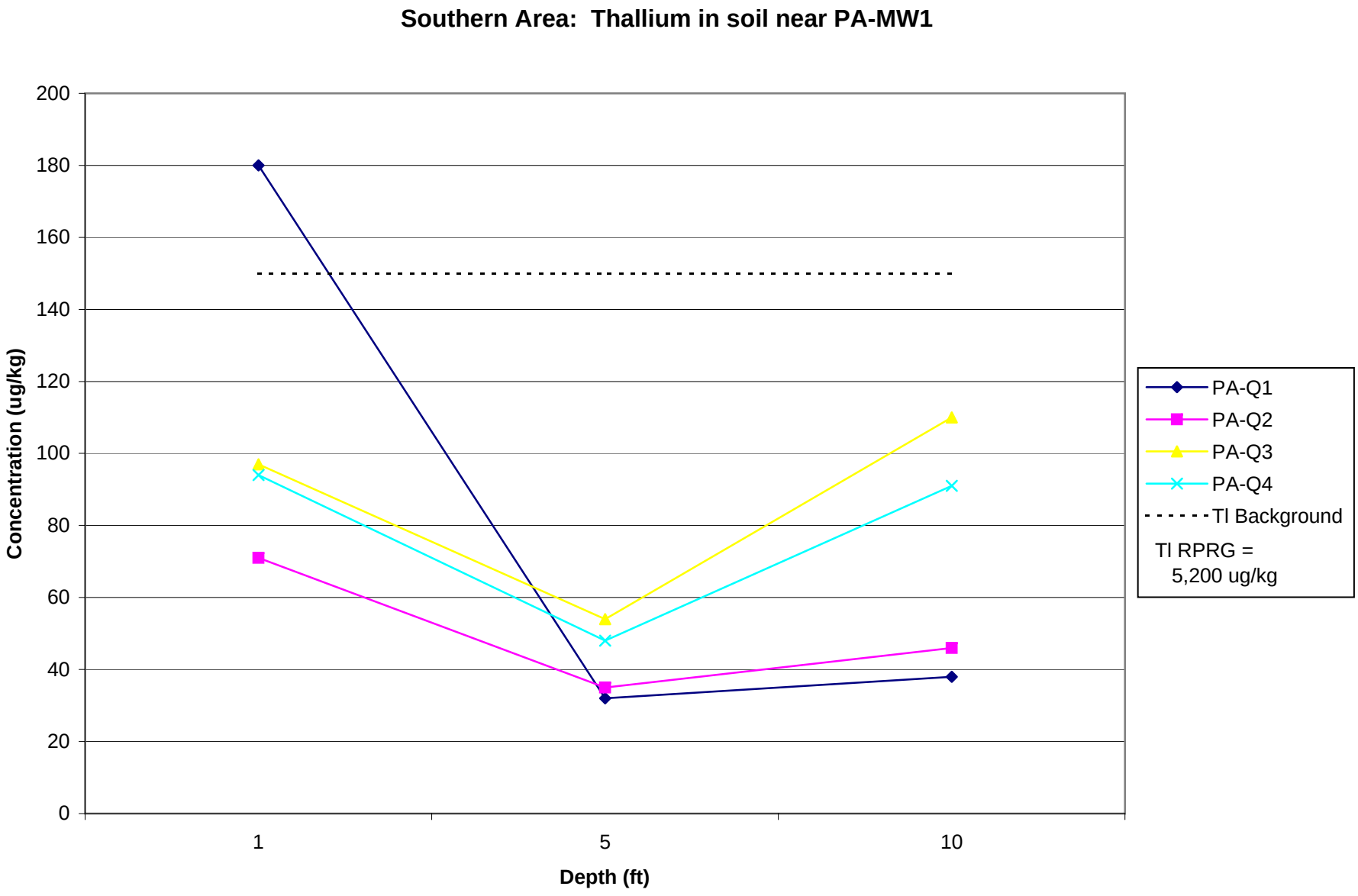

Southern Area: Selenium in Soil Near PA-GW4
1,200
1,000
800
600
400
200
0
Concentration (ug/kg)
1
5
10
Depth (ft)
PA-A1
PA-D1
PA-D2
PA-E1
PA-E2
PA-F4
Se Background
Se RPRG =
390,000 ug/kg

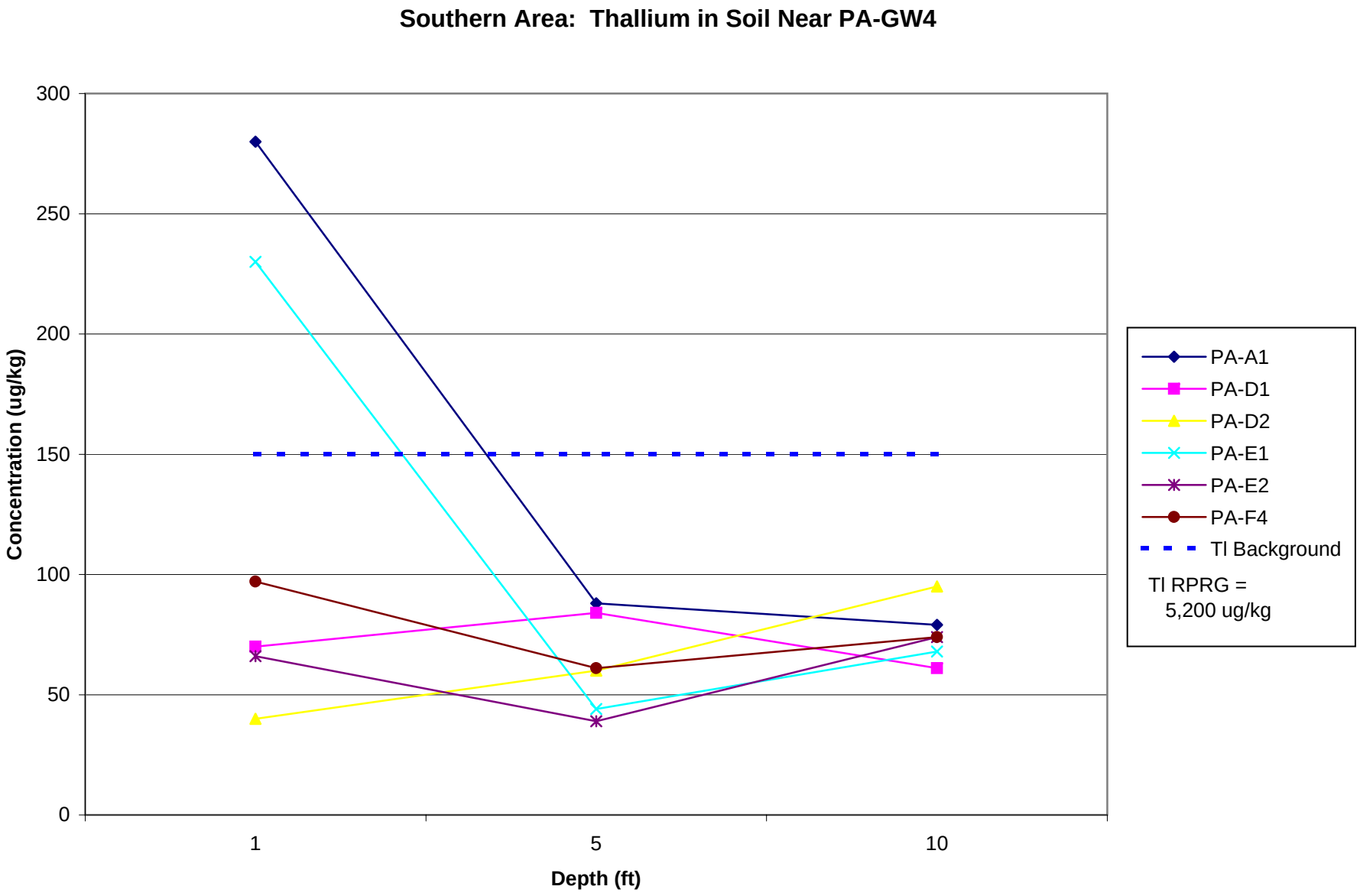

Southern Area: Silver in Soil Near PA-MW1
Concentration (ug/kg)
180
160
140
120
100
80
60
40
20
0
1
5
10
Depth (ft)
PA-Q1
PA-Q2
PA-Q3
PA-Q4
Ag Background
Ag RPRG =
390,000 ug/kg

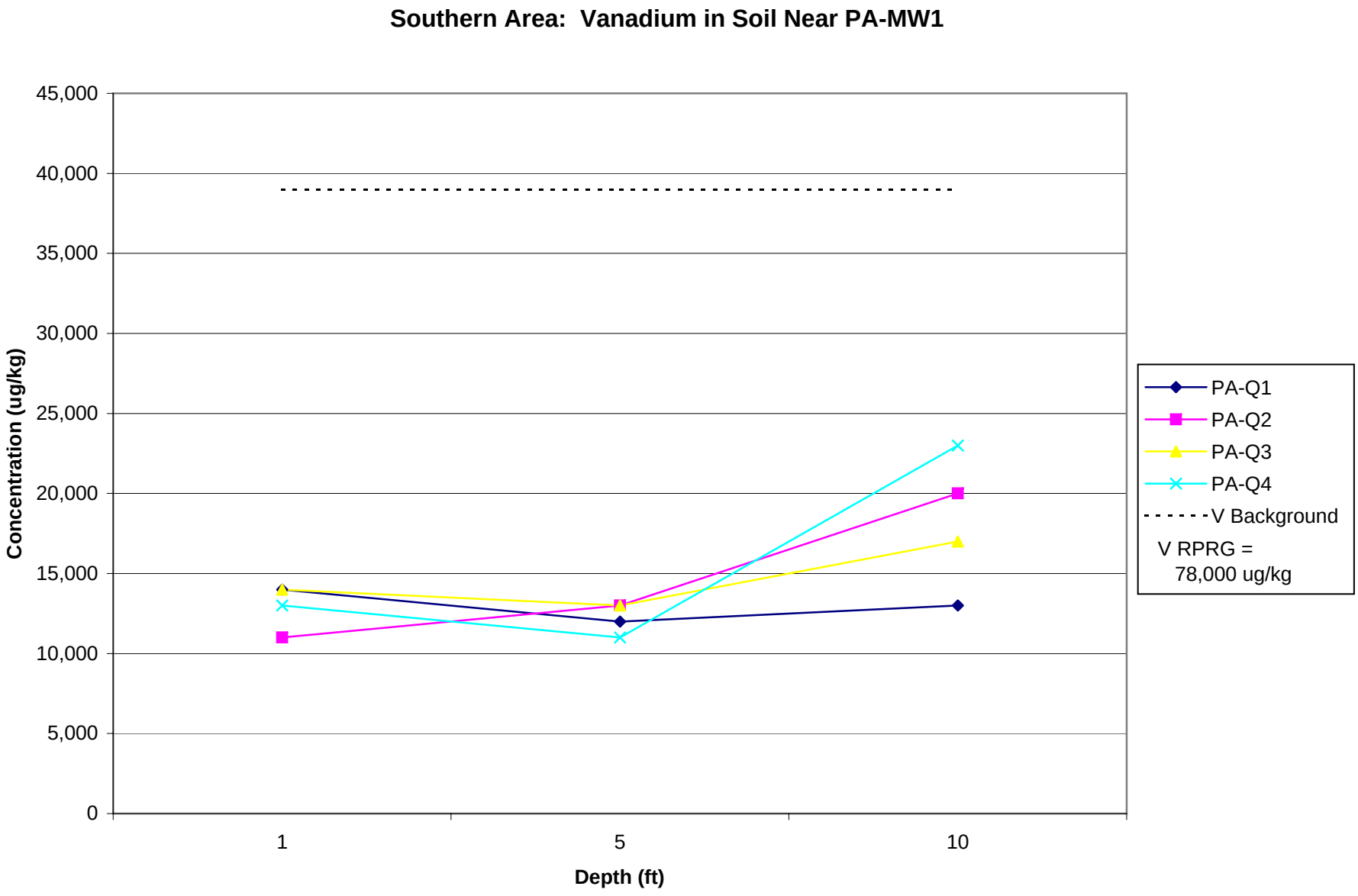

Southern Area: Silver in Soil Near PA-GW4
Concentration (ug/kg)
180
160
140
120
100
80
60
40
20
0
1
5
10
Depth (ft)
PA-A1
PA-D1
PA-D2
PA-E1
PA-E2
PA-F4
Ag Background
Ag RPRG =
390,000 ug/kg

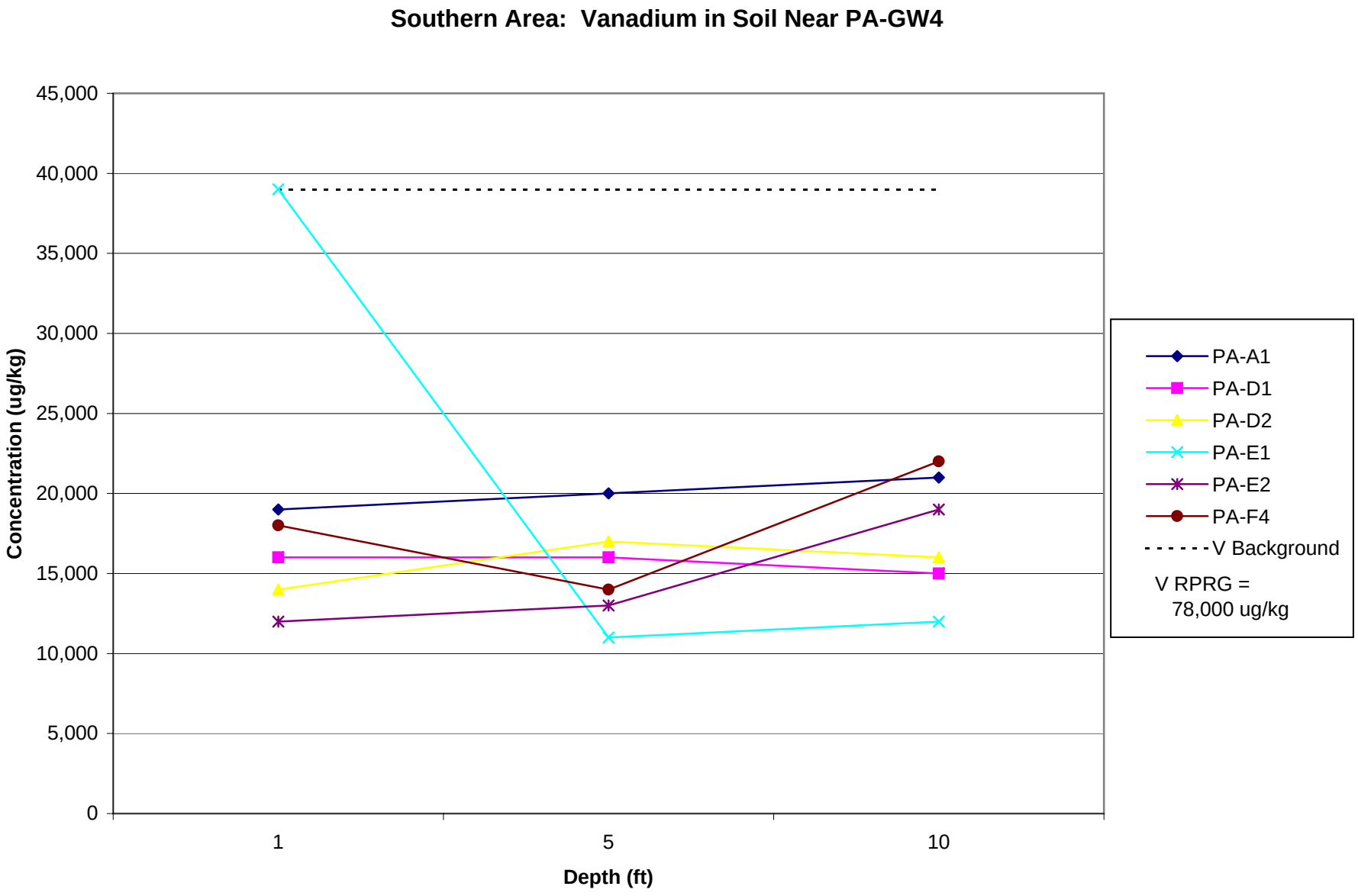

Southern Area: Sodium in Soil Near PA-MW1
Concentration (mg/kg)
1,800
1,600
1,400
1,200
1,000
800
600
400
200
0
1
5
10
Depth (ft)
PA-Q1
PA-Q2
PA-Q3
PA-Q4
Na Background
Na RPRG is NA

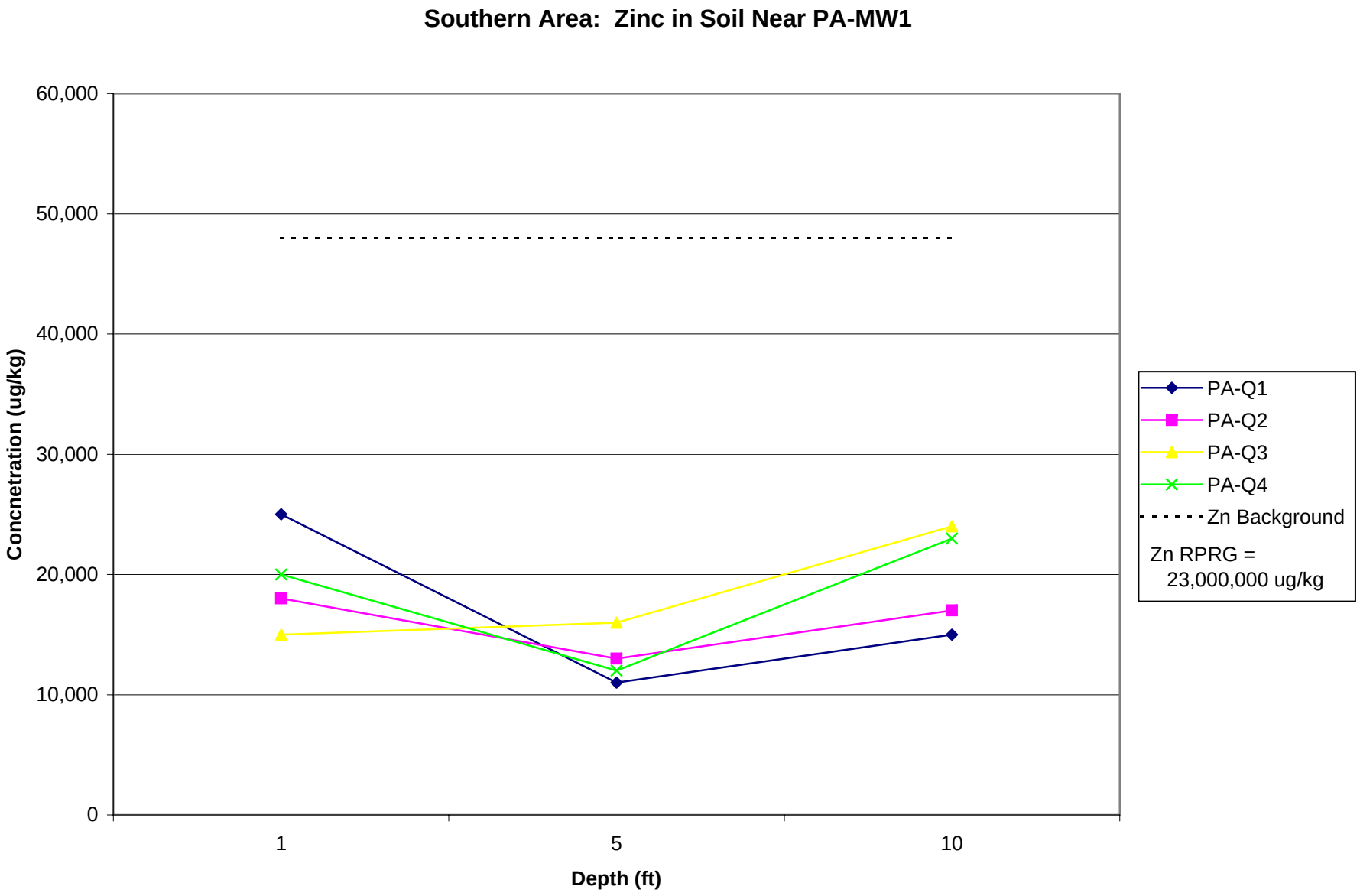

Southern Area: Sodium in Soil Near PA-GW4
Concentration (mg/kg)
1,400
1,200
1,000
800
600
400
200
0
1
5
10
Depth (ft)
PA-A1
PA-D1
PA-D2
PA-E1
PA-E2
PA-F4
Na Background
Na RPRG is NA

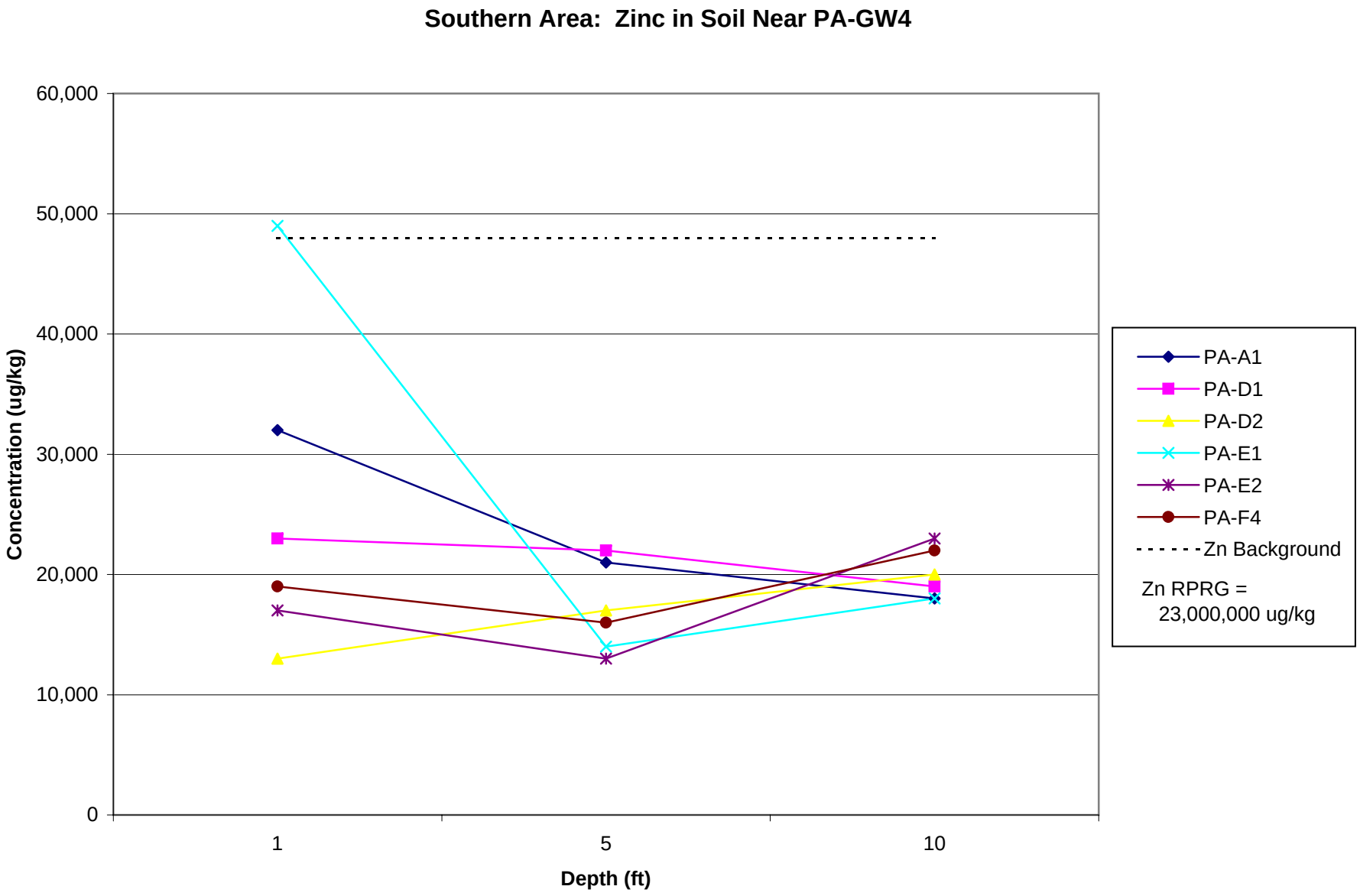

Southern Area: Thallium in soil near PA-MW1
Concentration (ug/kg)
200
180
160
140
120
100
80
60
40
20
0
1
5
10
Depth (ft)
PA-Q1
PA-Q2
PA-Q3
PA-Q4
Tl Background
Tl RPRG =
5,200 ug/kg


Southern Area: Thallium in Soil Near PA-GW4
Concentration (ug/kg)
300
250
200
150
100
50
0
1
5
10
Depth (ft)
PA-A1
PA-D1
PA-D2
PA-E1
PA-E2
PA-F4
Tl Background
Tl RPRG =
5,200 ug/kg


Southern Area: Vanadium in Soil Near PA-MW1
45,000
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
Concentration (ug/kg)
1
5
10
Depth (ft)
PA-Q1
PA-Q2
PA-Q3
PA-Q4
V Background
V RPRG =
78,000 ug/kg


Southern Area: Vanadium in Soil Near PA-GW4
45,000
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
Concentration (ug/kg)
1
5
10
Depth (ft)
PA-A1
PA-D1
PA-D2
PA-E1
PA-E2
PA-F4
V Background
V RPRG =
78,000 ug/kg


Southern Area: Zinc in Soil Near PA-MW1
60,000
50,000
40,000
30,000
20,000
10,000
0
Concnetration (ug/kg)
1
5
10
Depth (ft)
PA-Q1
PA-Q2
PA-Q3
PA-Q4
Zn Background
Zn RPRG =
23,000,000 ug/kg


Southern Area: Zinc in Soil Near PA-GW4
60,000
50,000
40,000
30,000
20,000
10,000
0
Concentration (ug/kg)
1
5
10
Depth (ft)
PA-A1
PA-D1
PA-D2
PA-E1
PA-E2
PA-F4
Zn Background
Zn RPRG =
23,000,000 ug/kg