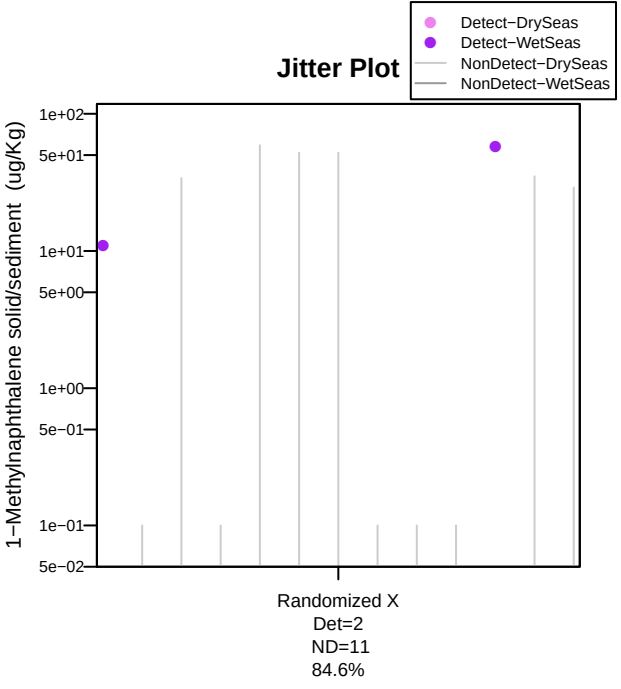
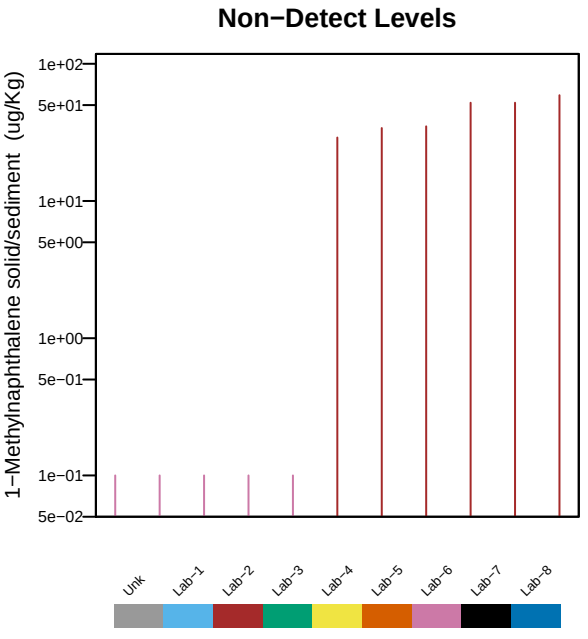


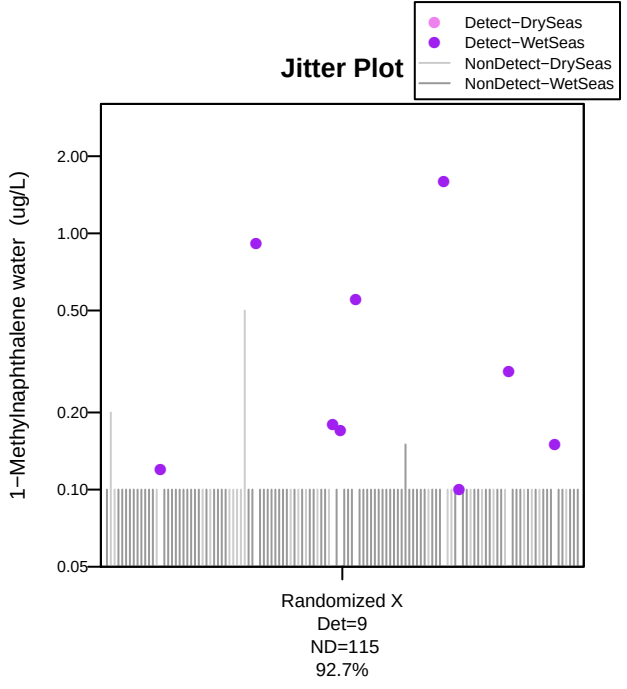
Not Plotted
(Case C)



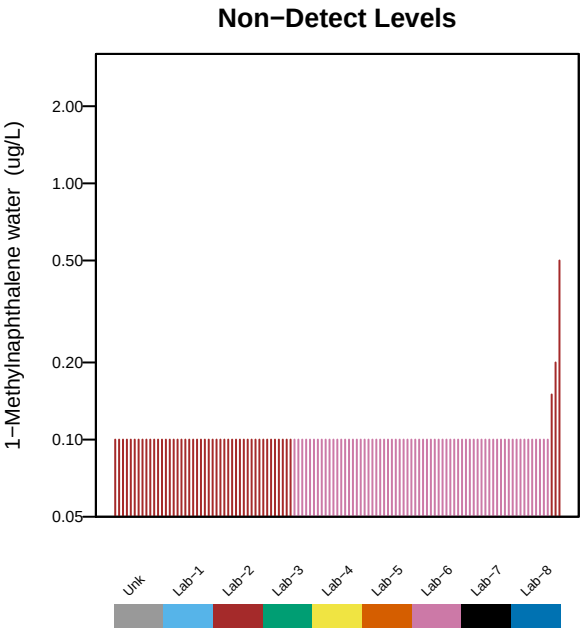
Not Plotted
(Less than 5 detections)

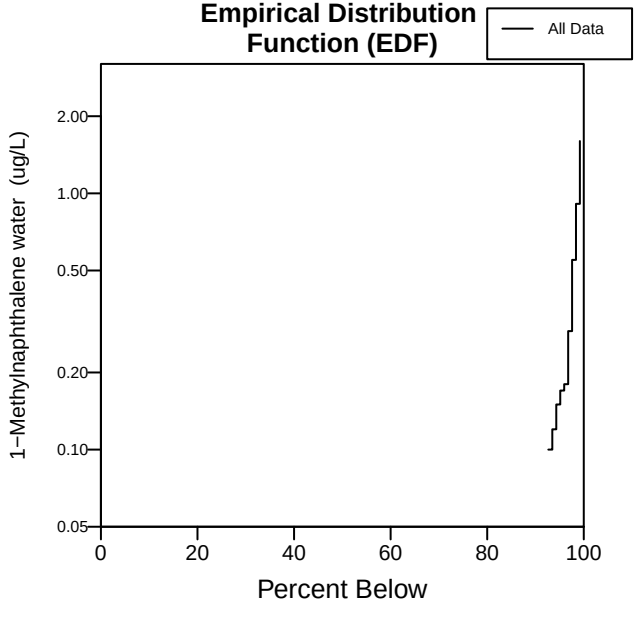
Not Plotted
(Case C)

Not Plotted
(Case C)



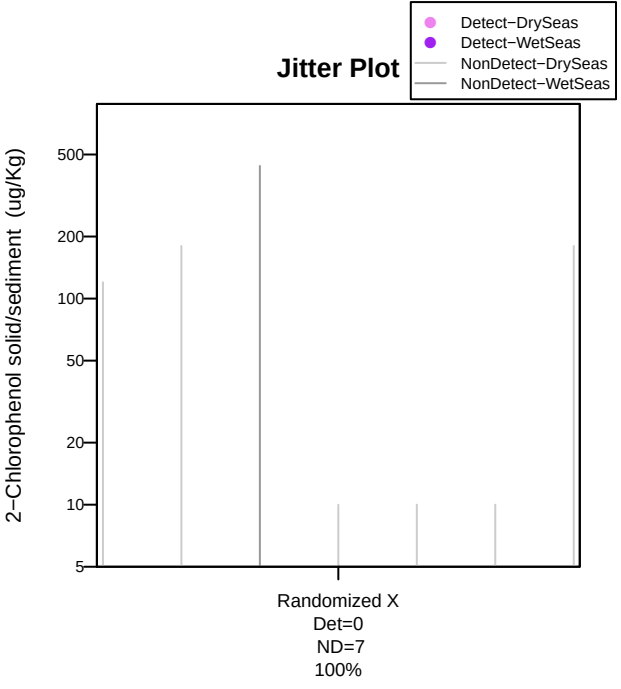
Not Plotted
(Case C)



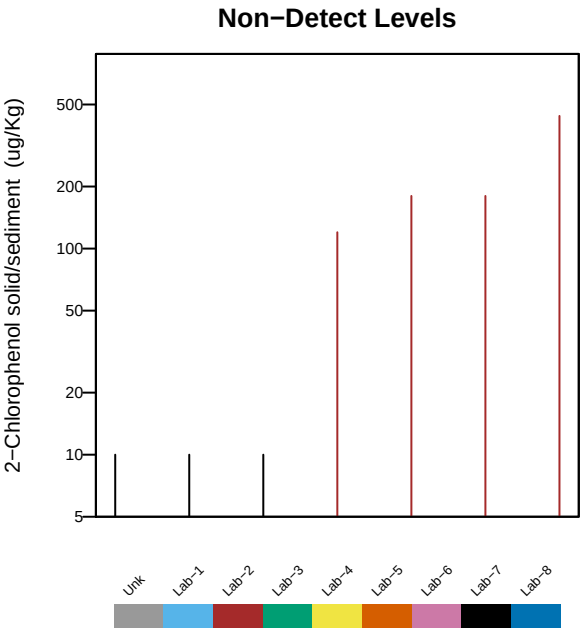


Not Plotted
(Case C)

Not Plotted
(Case C)



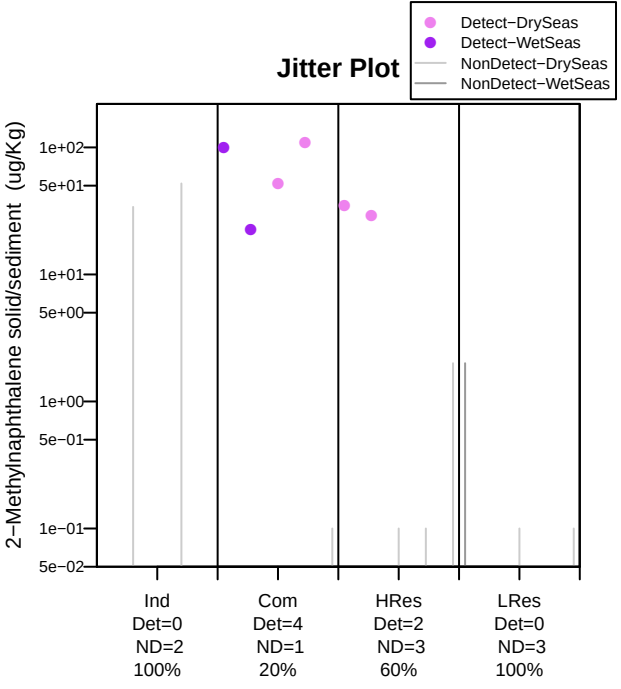
Not Plotted
(Case C)

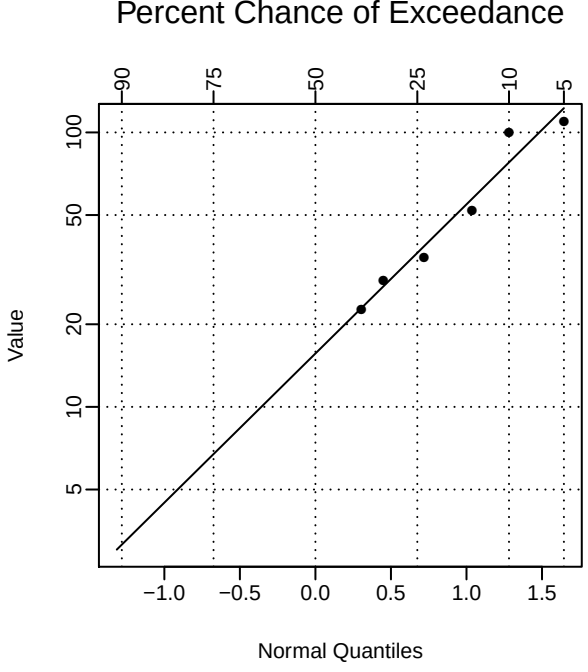


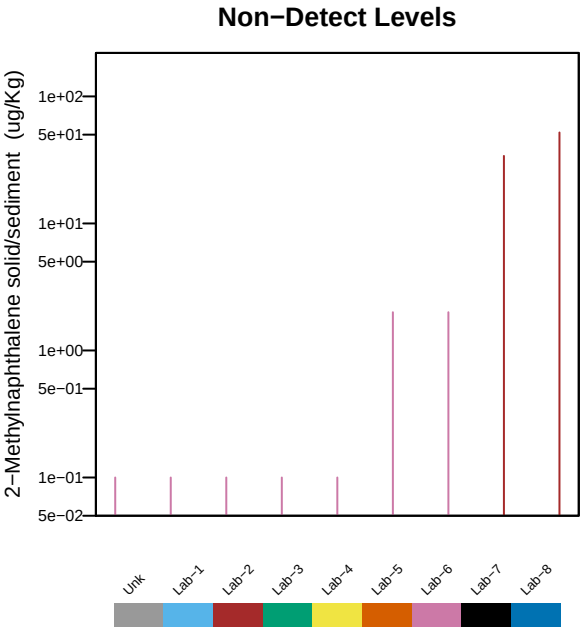
Not Plotted
(Less than 5 detections)

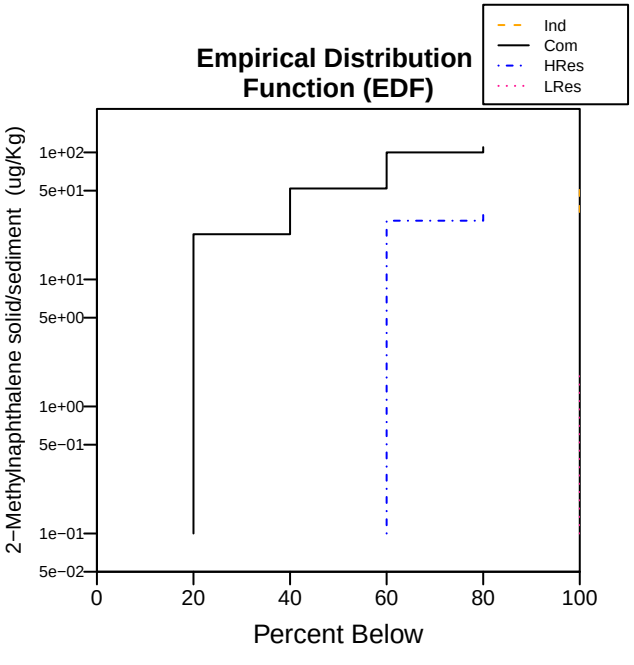
Not Plotted
(Case C)

Not Plotted
(Case C)



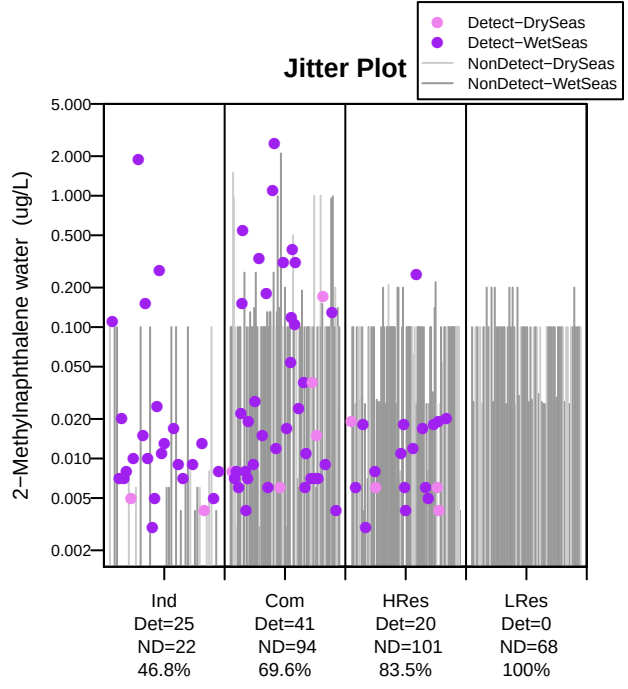


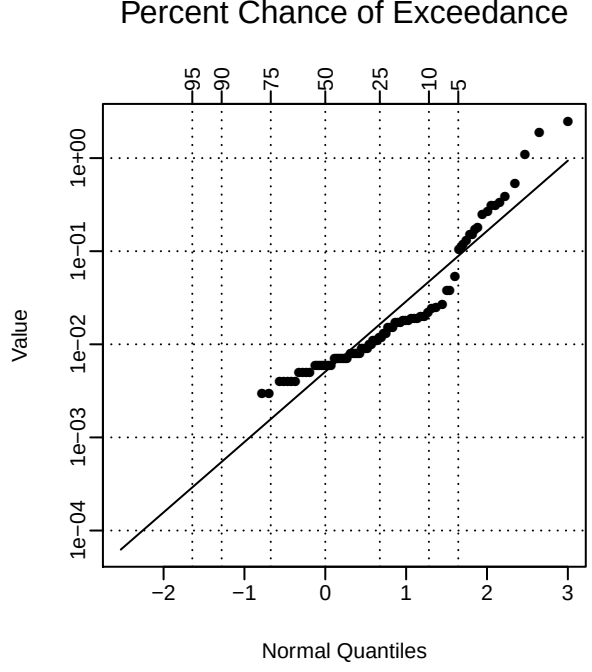


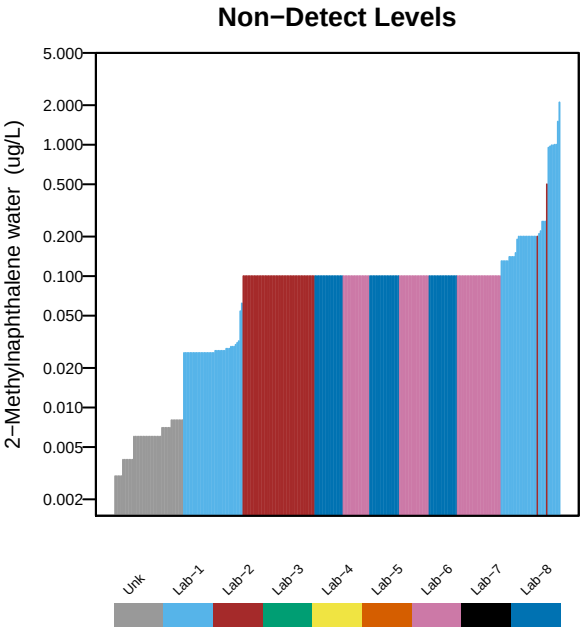


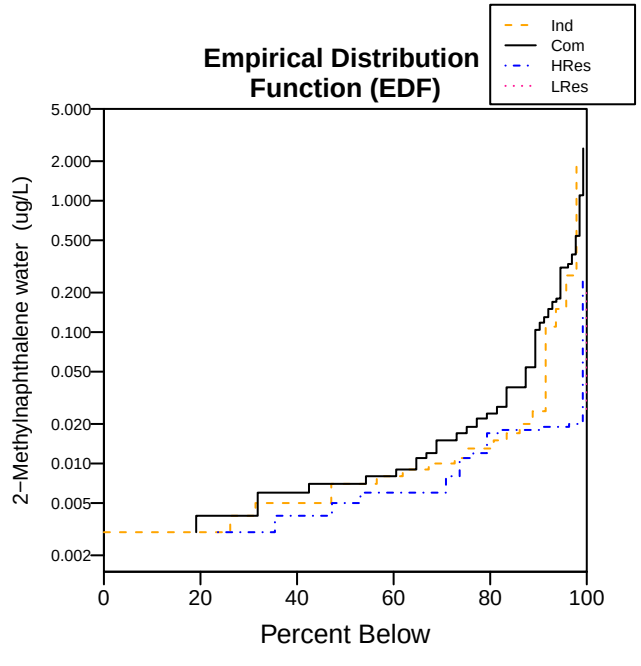
Not Plotted
(No land use has 5 or more detections)

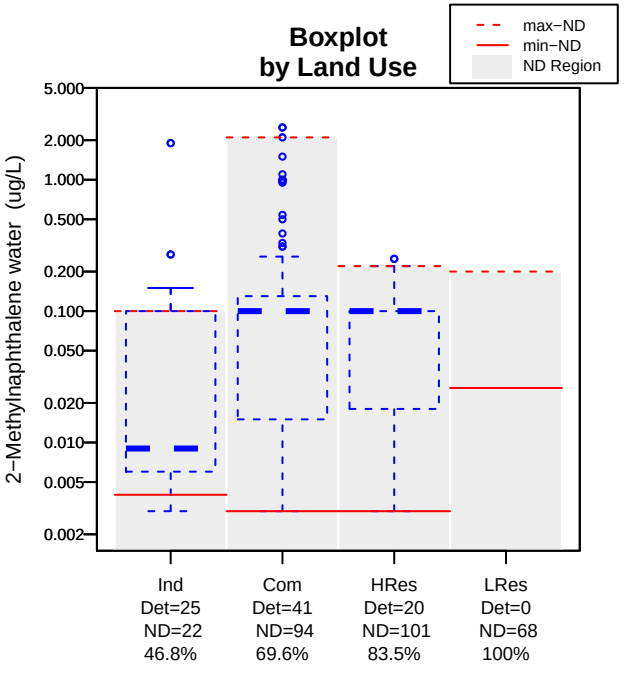
Not Plotted
(No season has 5 or more detections)

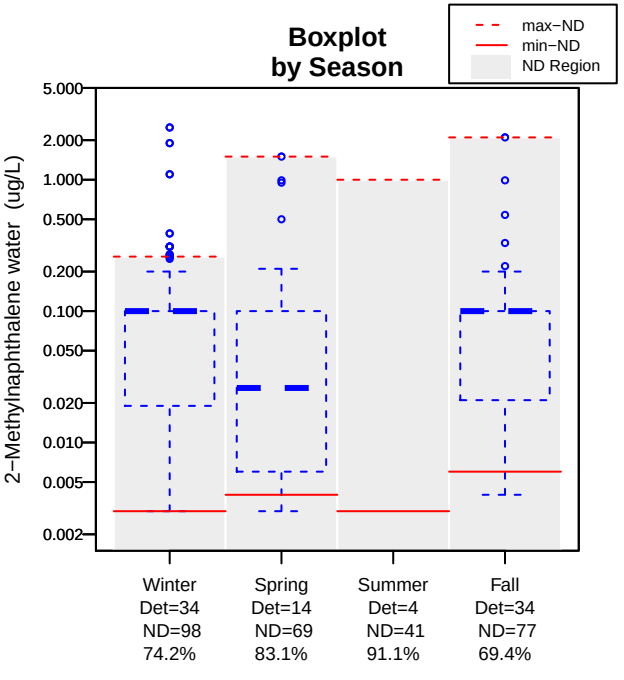

Jitter Plot
Detect−DrySeas
Detect−WetSeas
NonDetect−DrySeas
NonDetect−WetSeas
2−Methylnaphthalene water (ug/L)
5.000
2.000
1.000
0.500
0.200
0.100
0.050
0.020
0.010
0.005
0.002
Ind
Det=25
ND=22
46.8%
Com
Det=41
ND=94
69.6%
HRes
Det=20
ND=101
83.5%
LRes
Det=0
ND=68
100%

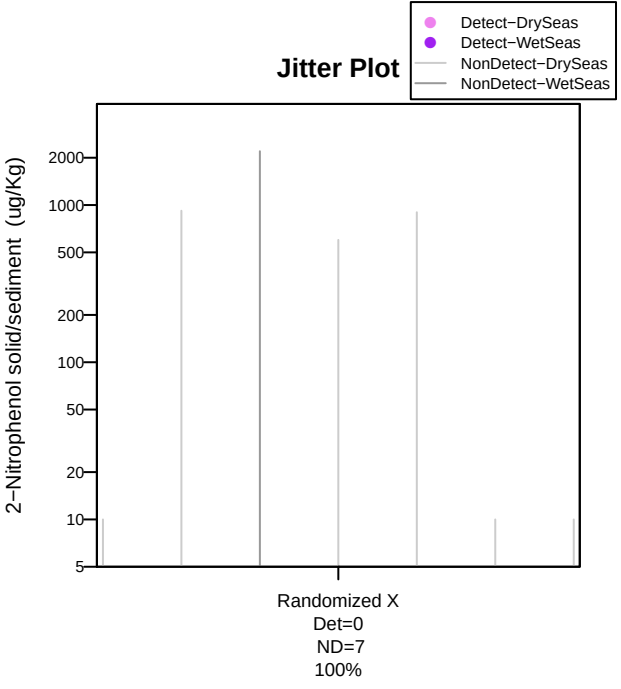

Percent Chance of Exceedance
95
90
75
50
25
10
5
Value
1e+00
1e−01
1e−02
1e−03
1e−04
−2
−1
0
1
2
3
Normal Quantiles


Non−Detect Levels
2−Methylnaphthalene water (ug/L)
5.000
2.000
1.000
0.500
0.200
0.100
0.050
0.020
0.010
0.005
0.002
Unk
Lab−1
Lab−2
Lab−3
Lab−4
Lab−5
Lab−6
Lab−7
Lab−8

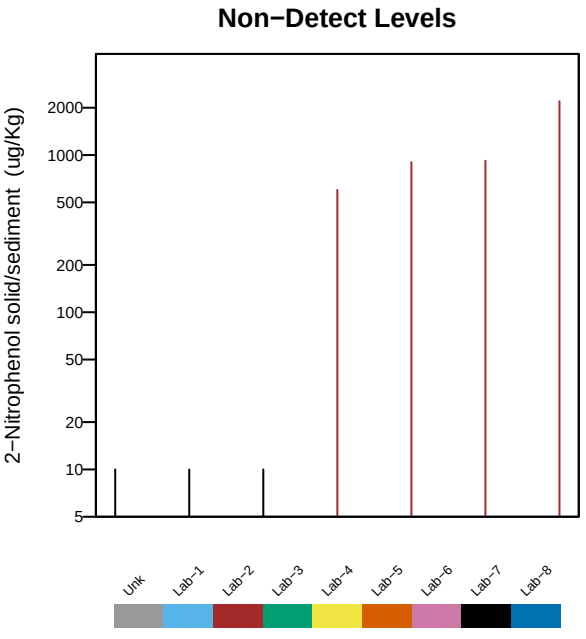

Empirical Distribution Function (EDF)
Ind
Com
HRes
LRes
2−Methylnaphthalene water (ug/L)
5.000
2.000
1.000
0.500
0.200
0.100
0.050
0.020
0.010
0.005
0.002
0
20
40
60
80
100
Percent Below


Boxplot by Land Use
max−ND
min−ND
ND Region
2−Methylnaphthalene water (ug/L)
5.000
2.000
1.000
0.500
0.200
0.100
0.050
0.020
0.010
0.005
0.002
Ind
Det=25
ND=22
46.8%
Com
Det=41
ND=94
69.6%
HRes
Det=20
ND=101
83.5%
LRes
Det=0
ND=68
100%


Boxplot by Season
max−ND
min−ND
ND Region
2−Methylnaphthalene water (ug/L)
5.000
2.000
1.000
0.500
0.200
0.100
0.050
0.020
0.010
0.005
0.002
Winter
Det=34
ND=98
74.2%
Spring
Det=14
ND=69
83.1%
Summer
Det=4
ND=41
91.1%
Fall
Det=34
ND=77
69.4%



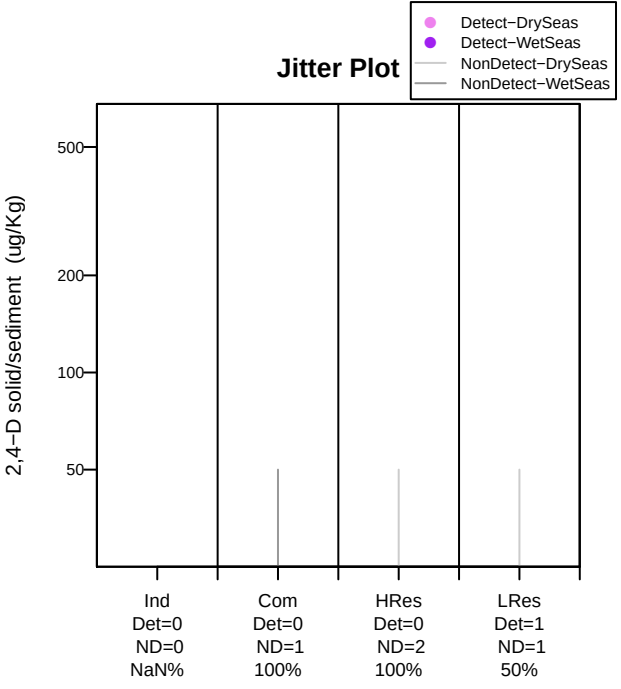
Not Plotted
(Case C)



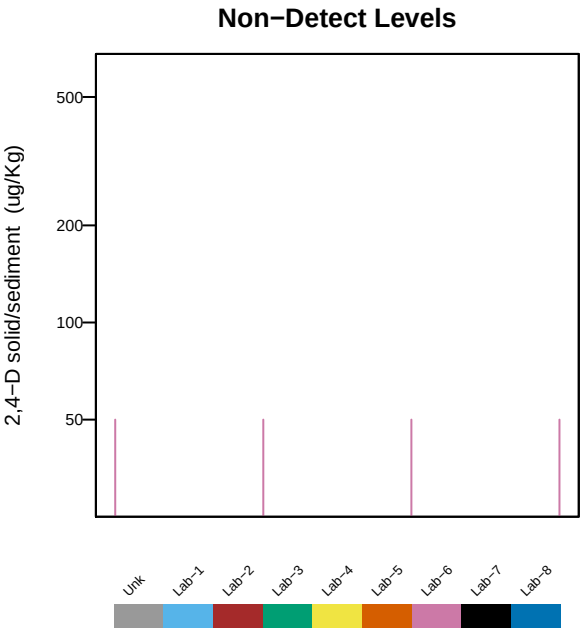
Not Plotted
(Less than 5 detections)

Not Plotted
(Case C)

Not Plotted
(Case C)



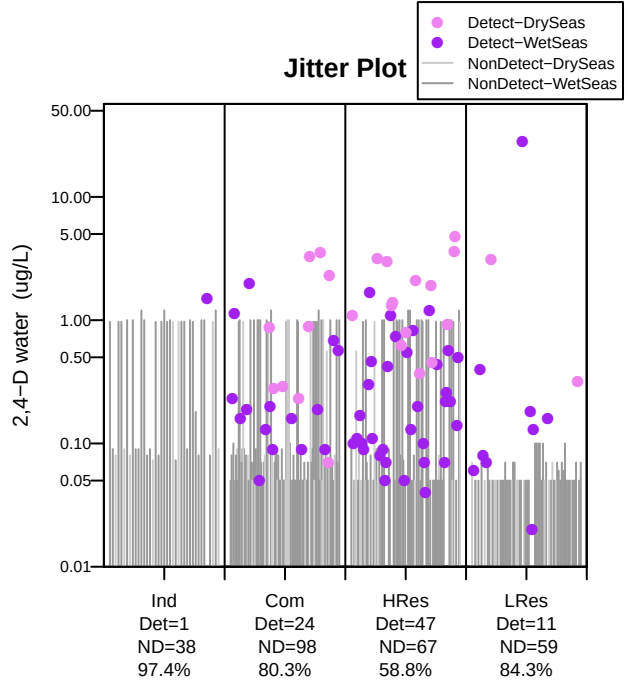
Not Plotted
(Less than 5 detections)

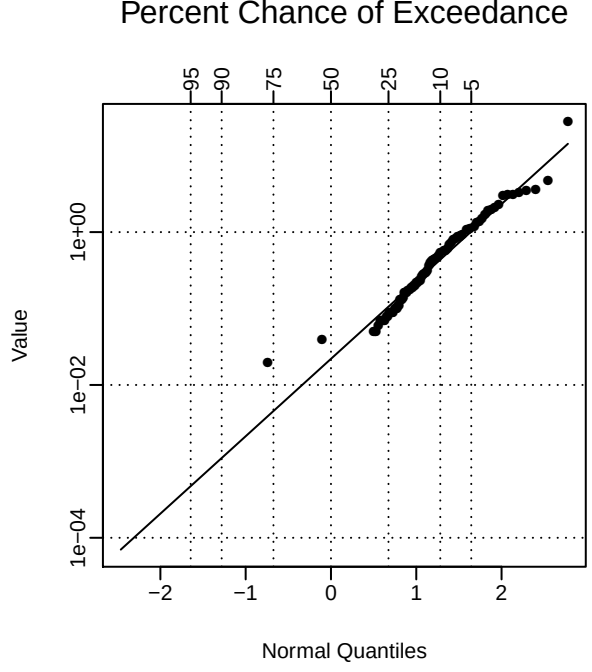


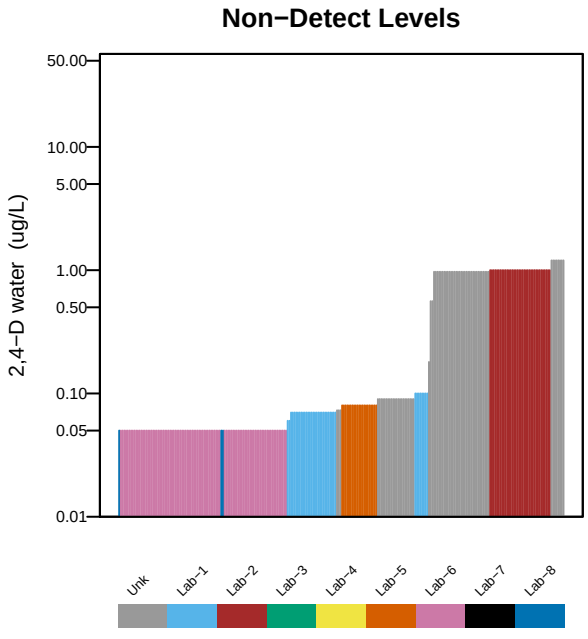
Not Plotted
(Less than 5 detections)

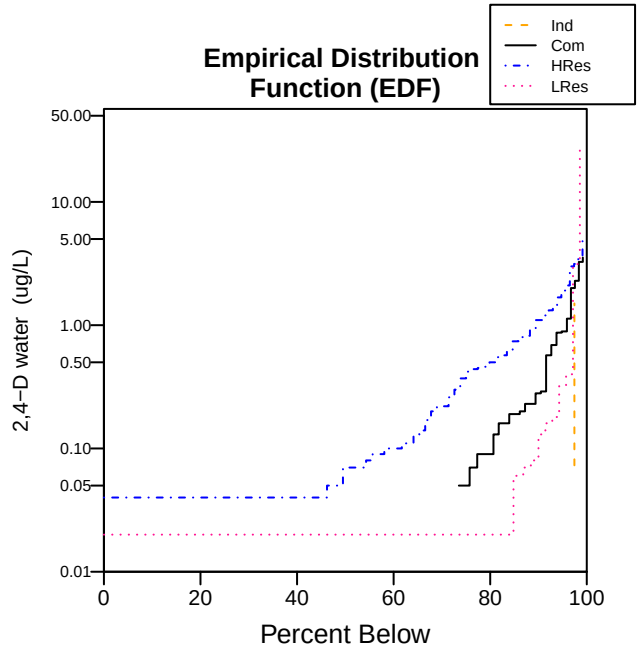
Not Plotted
(Less than 5 detections)

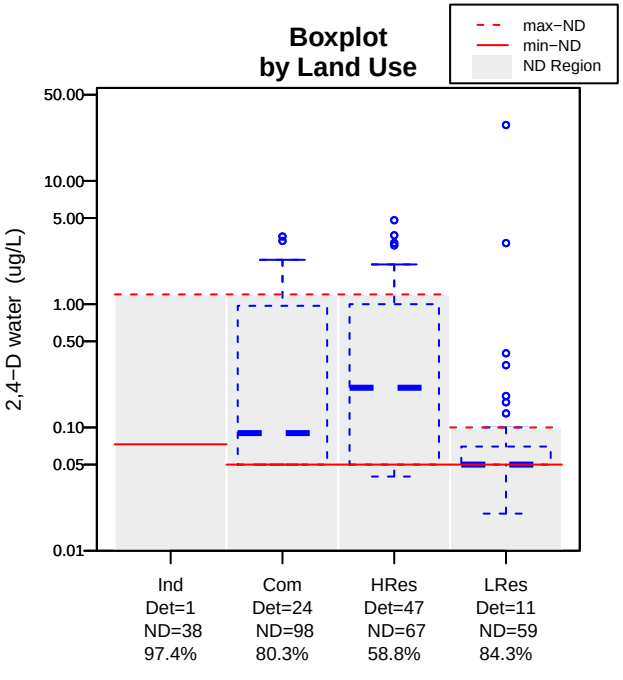
Not Plotted
(Less than 5 detections)

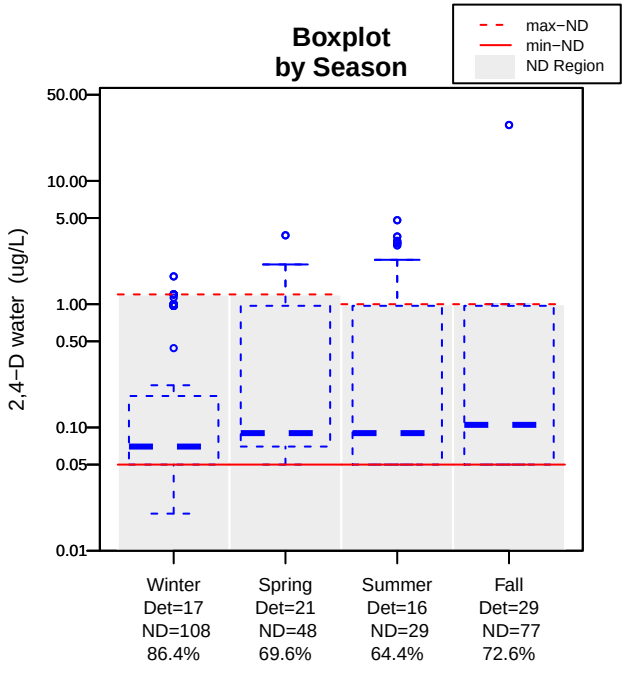

Jitter Plot
Detect−DrySeas
Detect−WetSeas
NonDetect−DrySeas
NonDetect−WetSeas
2,4−D water (ug/L)
50.00
10.00
5.00
1.00
0.50
0.10
0.05
0.01
Ind
Det=1
ND=38
97.4%
Com
Det=24
ND=98
80.3%
HRes
Det=47
ND=67
58.8%
LRes
Det=11
ND=59
84.3%

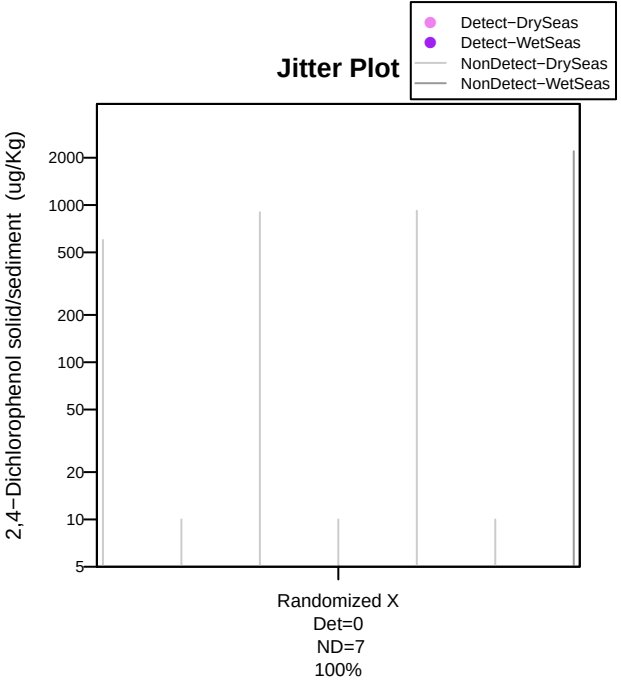

Percent Chance of Exceedance
95
90
75
50
25
10
5
Value
1e+00
1e−02
1e−04
−2
−1
0
1
2
Normal Quantiles


Non−Detect Levels
2,4−D water (ug/L)
50.00
10.00
5.00
1.00
0.50
0.10
0.05
0.01
Unk
Lab−1
Lab−2
Lab−3
Lab−4
Lab−5
Lab−6
Lab−7
Lab−8

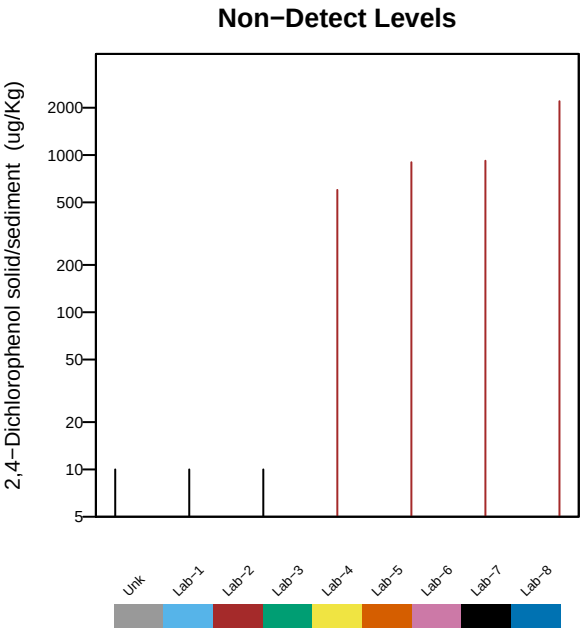

Empirical Distribution Function (EDF)
Ind
Com
HRes
LRes
2,4−D water (ug/L)
50.00
10.00
5.00
1.00
0.50
0.10
0.05
0.01
0
20
40
60
80
100
Percent Below


Boxplot by Land Use
max−ND
min−ND
ND Region
2,4−D water (ug/L)
50.00
10.00
5.00
1.00
0.50
0.10
0.05
0.01
Ind
Det=1
ND=38
97.4%
Com
Det=24
ND=98
80.3%
HRes
Det=47
ND=67
58.8%
LRes
Det=11
ND=59
84.3%


Boxplot by Season
max−ND
min−ND
ND Region
2,4−D water (ug/L)
50.00
10.00
5.00
1.00
0.50
0.10
0.05
0.01
Winter
Det=17
ND=108
86.4%
Spring
Det=21
ND=48
69.6%
Summer
Det=16
ND=29
64.4%
Fall
Det=29
ND=77
72.6%



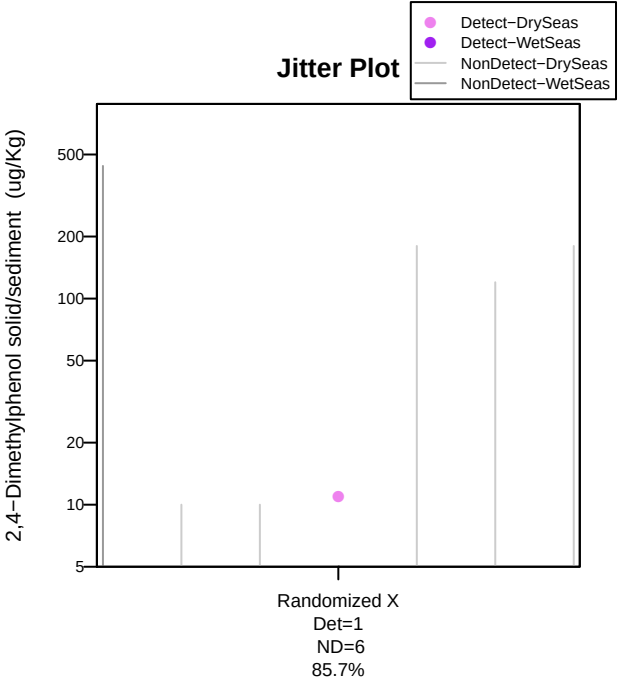
Not Plotted
(Case C)



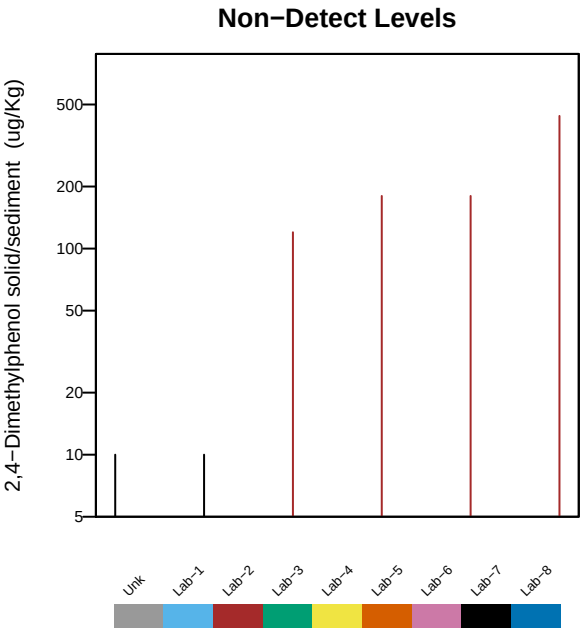
Not Plotted
(Less than 5 detections)

Not Plotted
(Case C)

Not Plotted
(Case C)



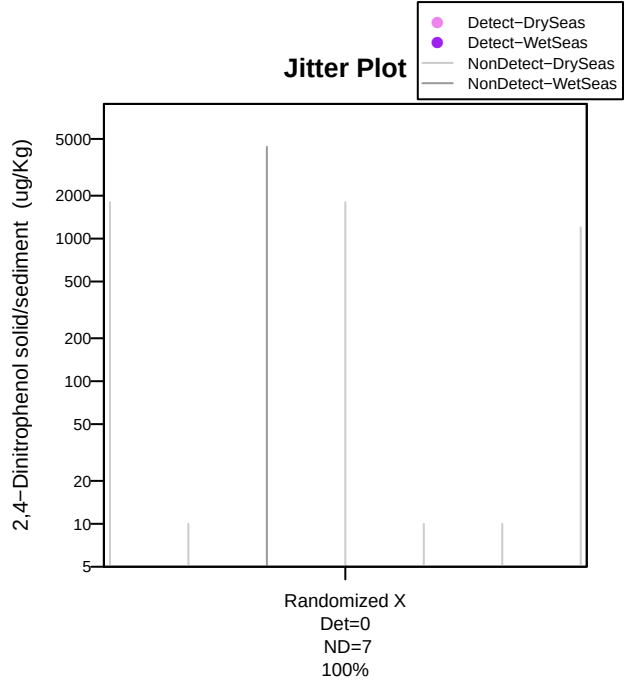
Not Plotted
(Case C)



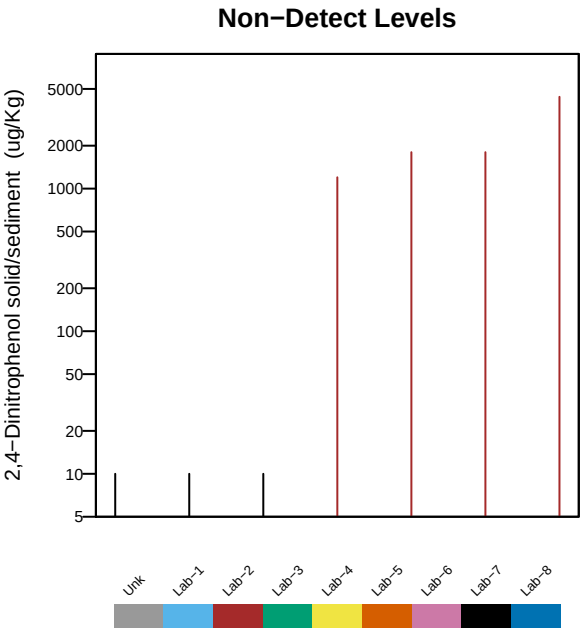
Not Plotted
(Less than 5 detections)

Not Plotted
(Case C)

Not Plotted
(Case C)



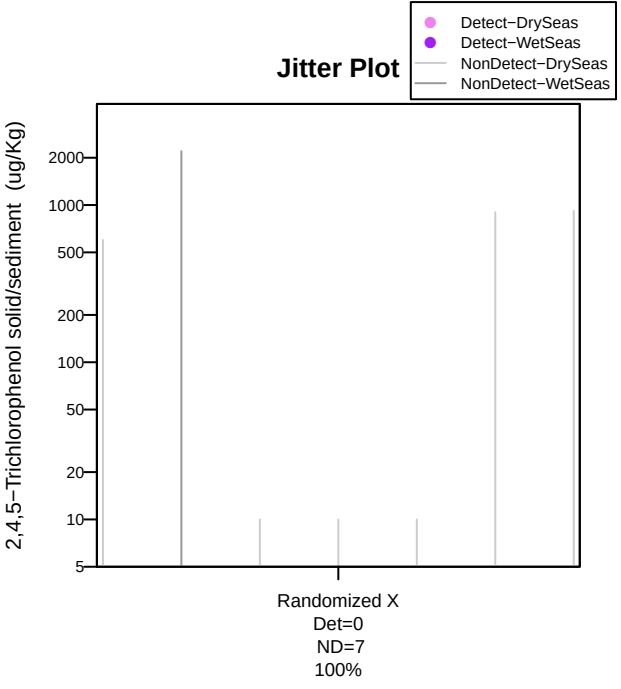
Not Plotted
(Case C)



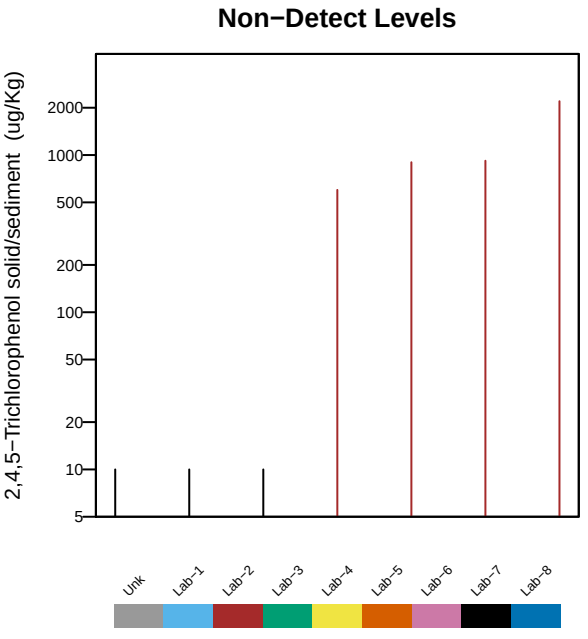
Not Plotted
(Less than 5 detections)

Not Plotted
(Case C)

Not Plotted
(Case C)



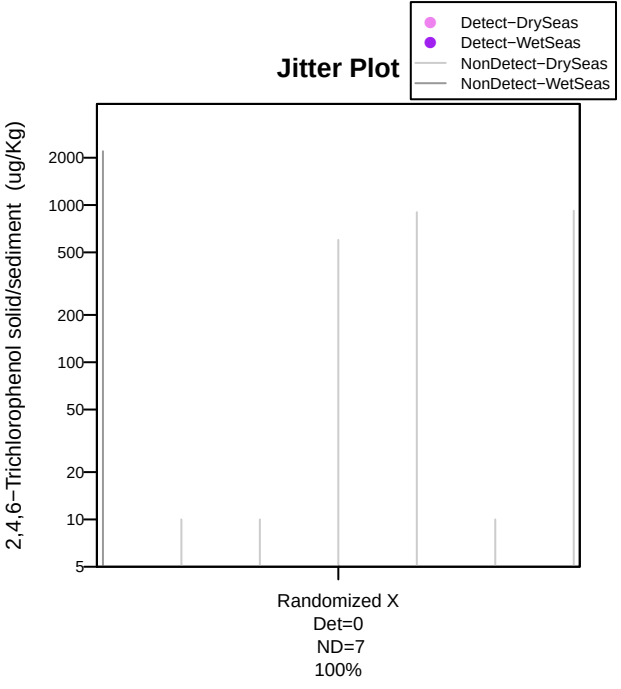
Not Plotted
(Case C)



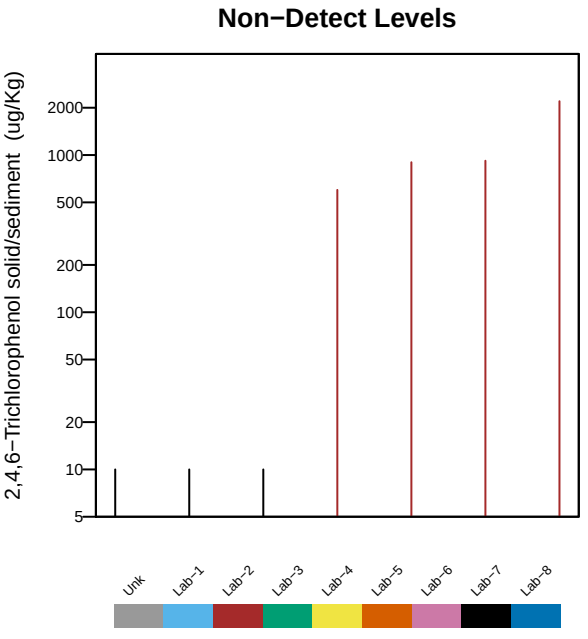
Not Plotted
(Less than 5 detections)

Not Plotted
(Case C)

Not Plotted
(Case C)



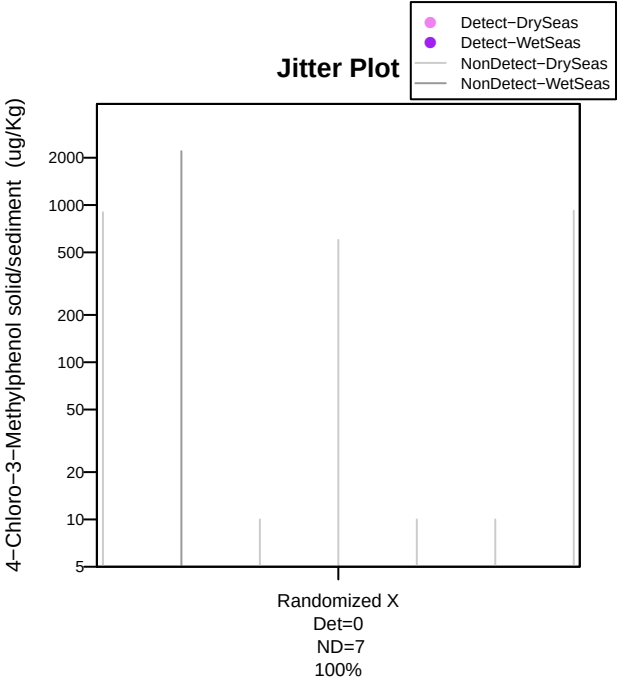
Not Plotted
(Case C)



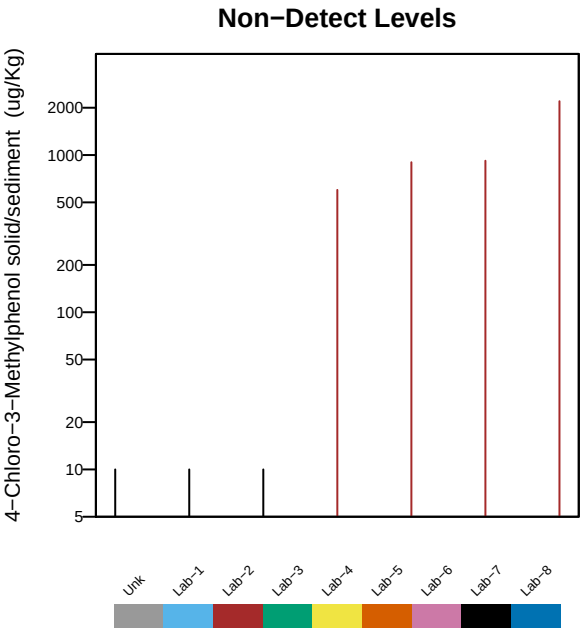
Not Plotted
(Less than 5 detections)

Not Plotted
(Case C)

Not Plotted
(Case C)



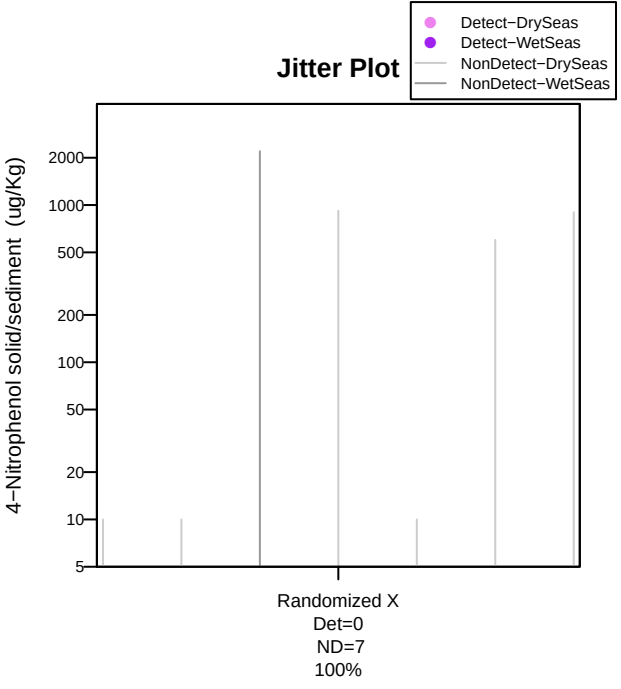
Not Plotted
(Case C)



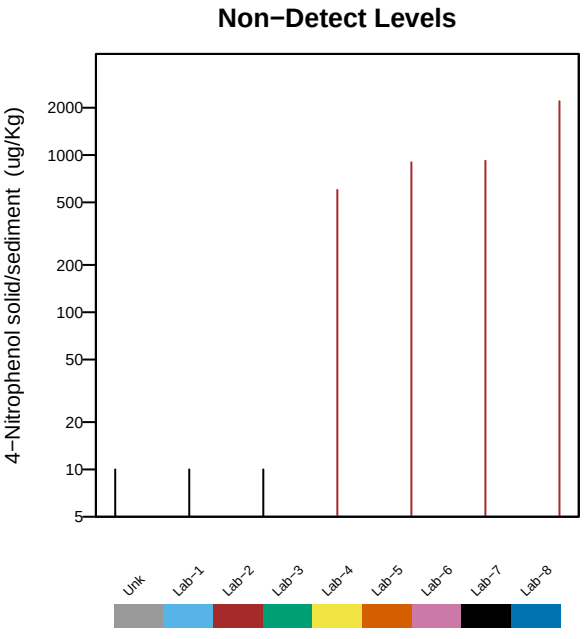
Not Plotted
(Less than 5 detections)

Not Plotted
(Case C)

Not Plotted
(Case C)



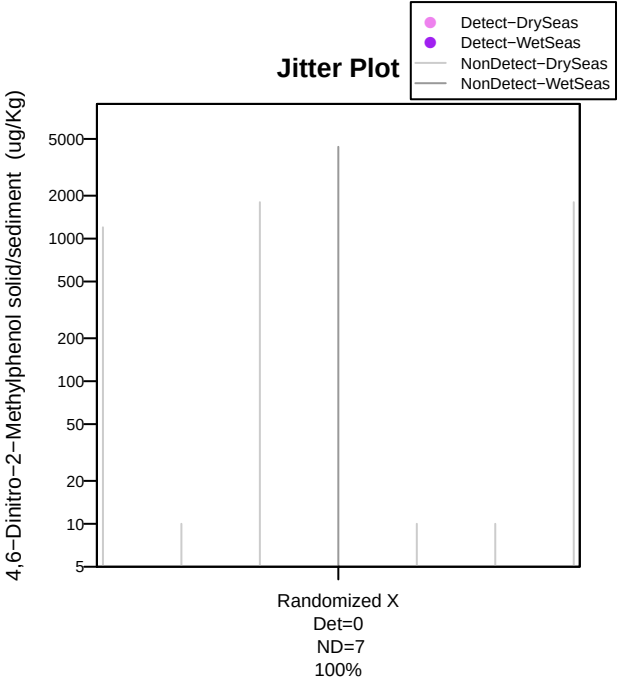
Not Plotted
(Case C)



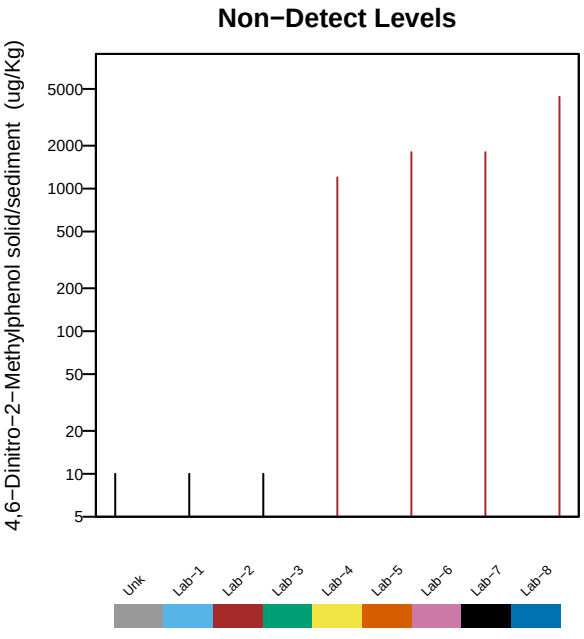
Not Plotted
(Less than 5 detections)

Not Plotted
(Case C)

Not Plotted
(Case C)



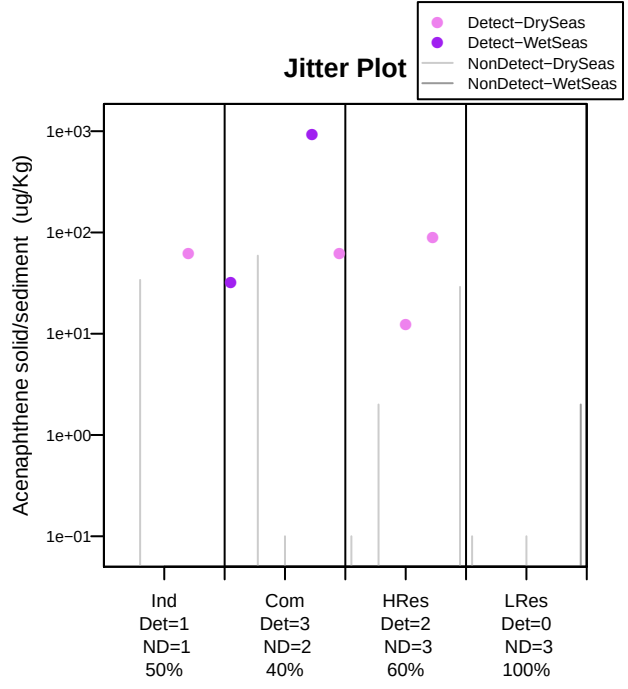
Not Plotted
(Case C)

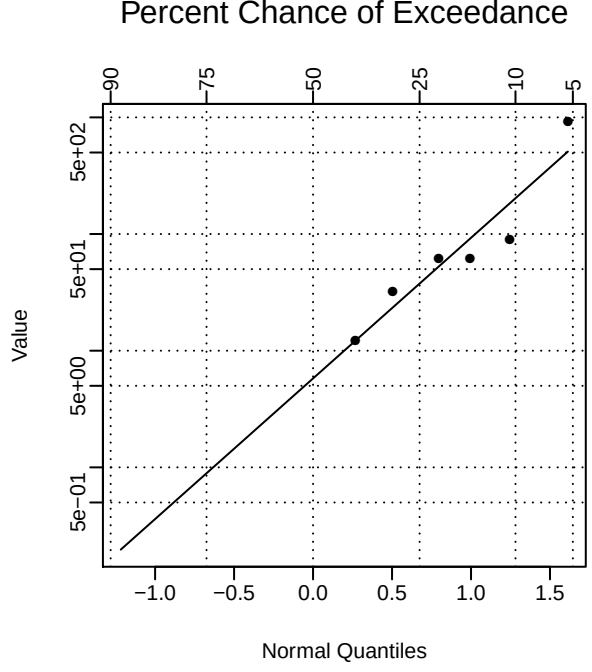


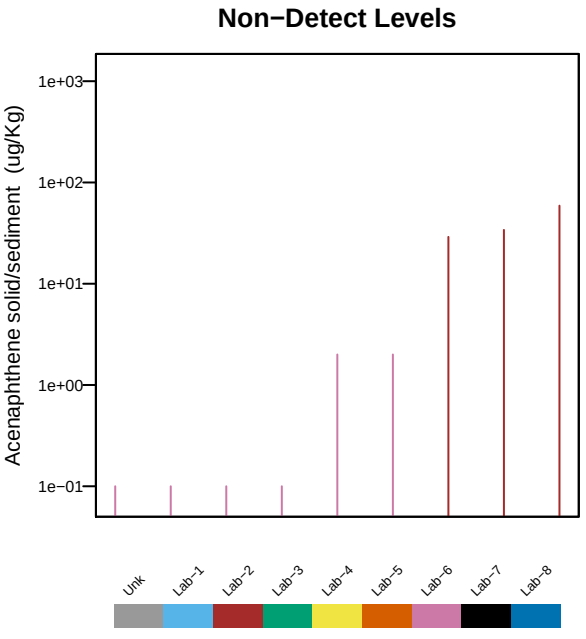
Not Plotted
(Less than 5 detections)

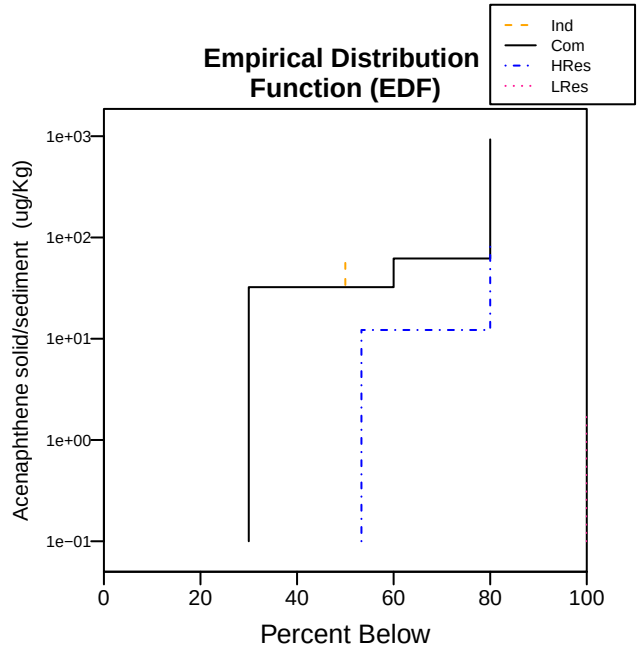
Not Plotted
(Case C)

Not Plotted
(Case C)



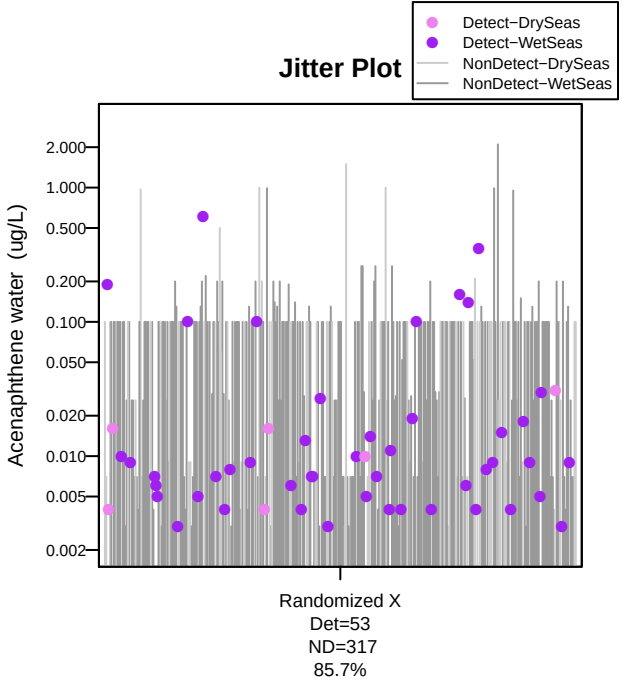




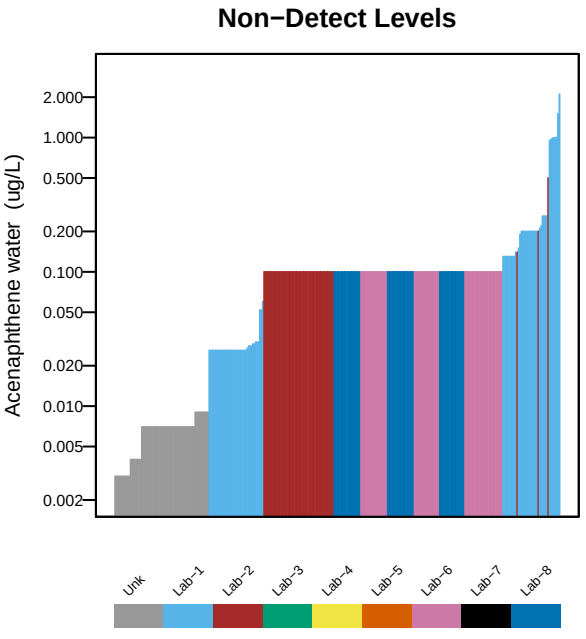


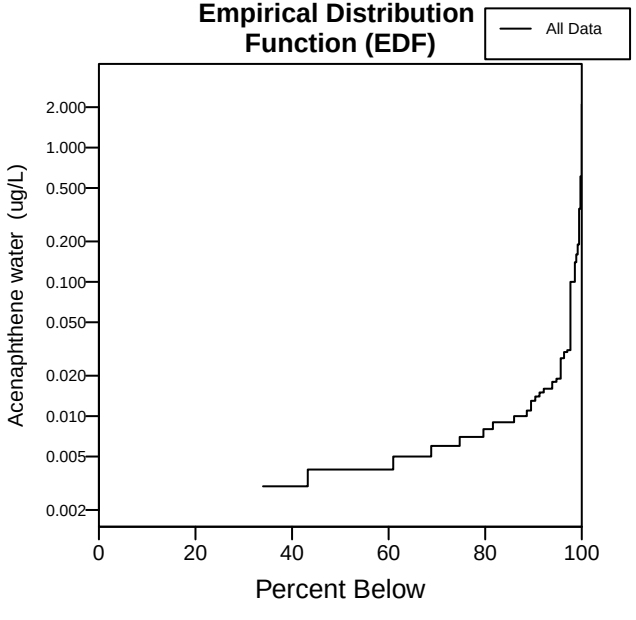
Not Plotted
(No land use has 5 or more detections)

Not Plotted
(No season has 5 or more detections)



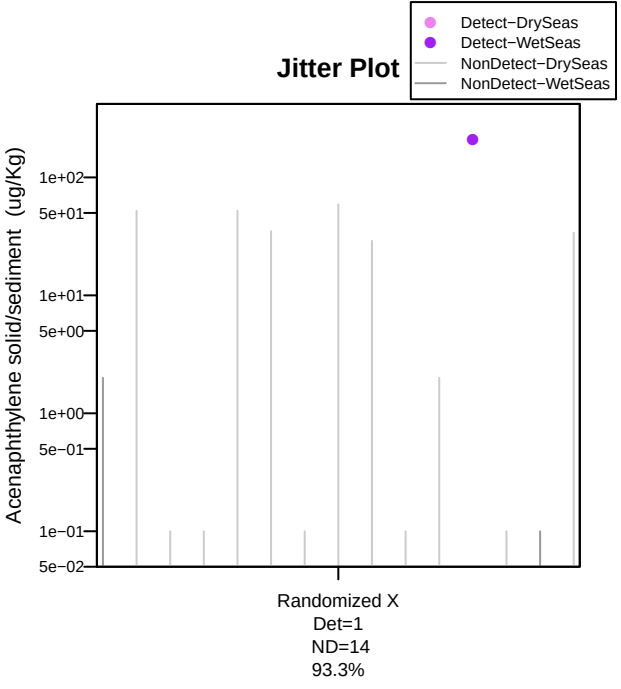
Not Plotted
(Case C)



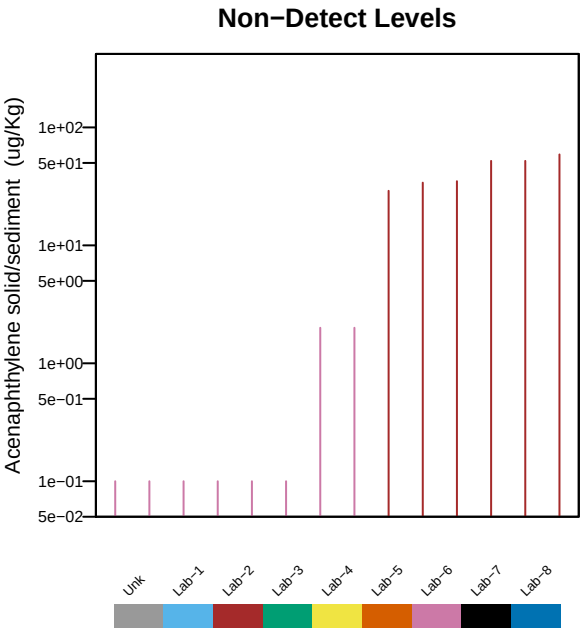


Not Plotted
(Case C)

Not Plotted
(Case C)



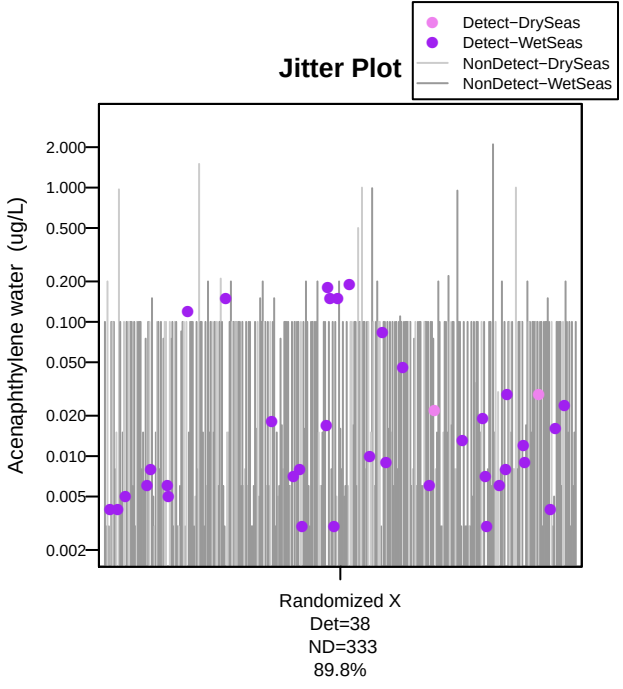
Not Plotted
(Case C)



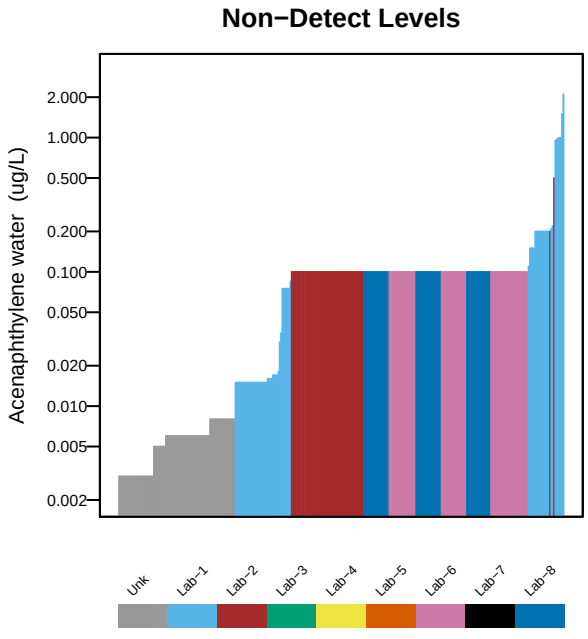
Not Plotted
(Less than 5 detections)

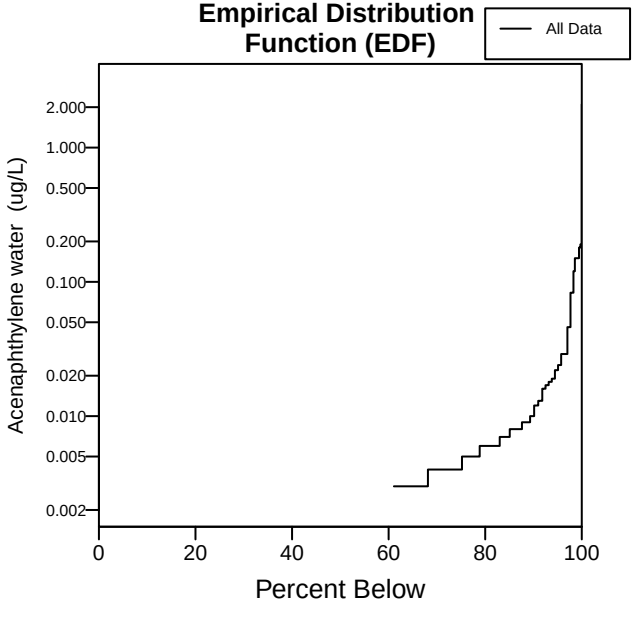
Not Plotted
(Case C)

Not Plotted
(Case C)



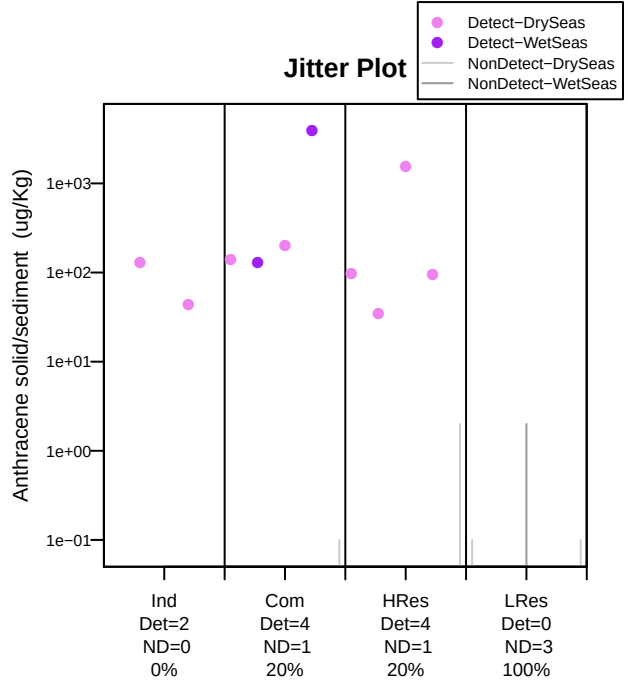
Not Plotted
(Case C)

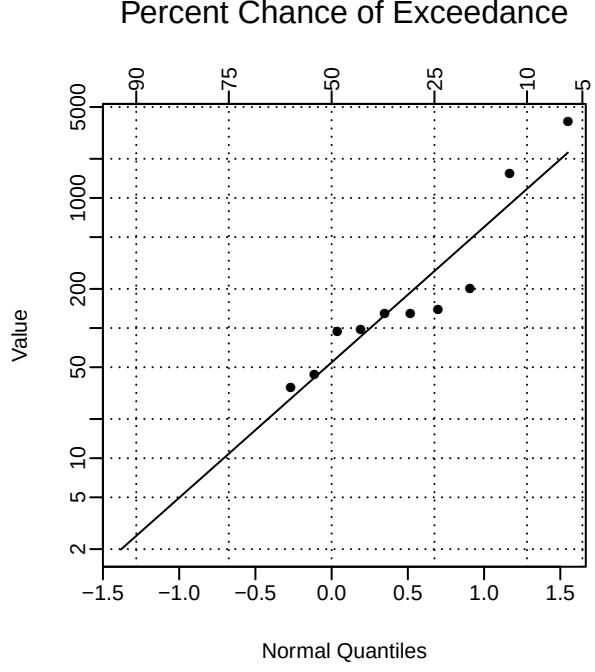


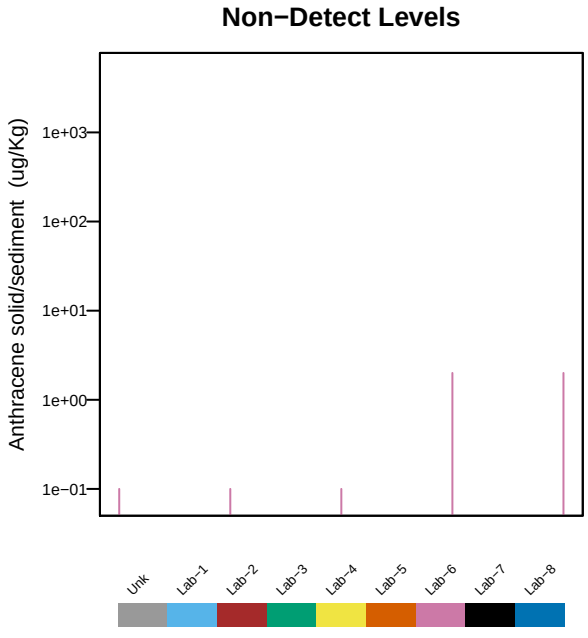


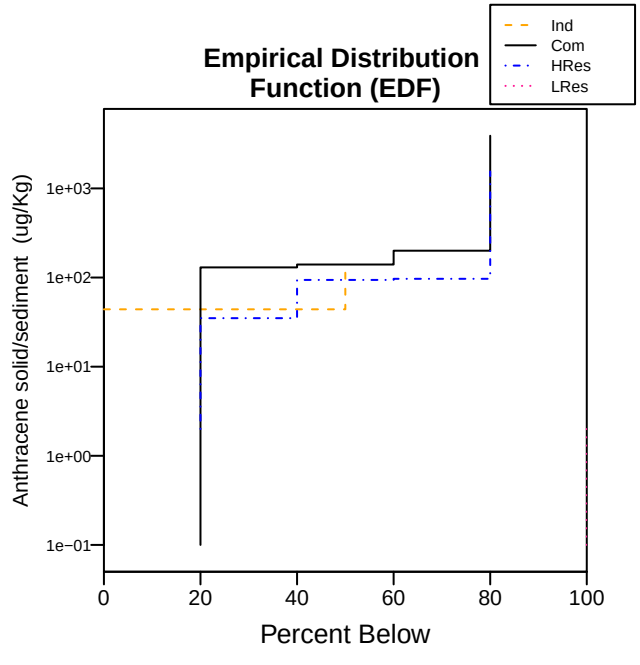
Not Plotted
(Case C)

Not Plotted
(Case C)

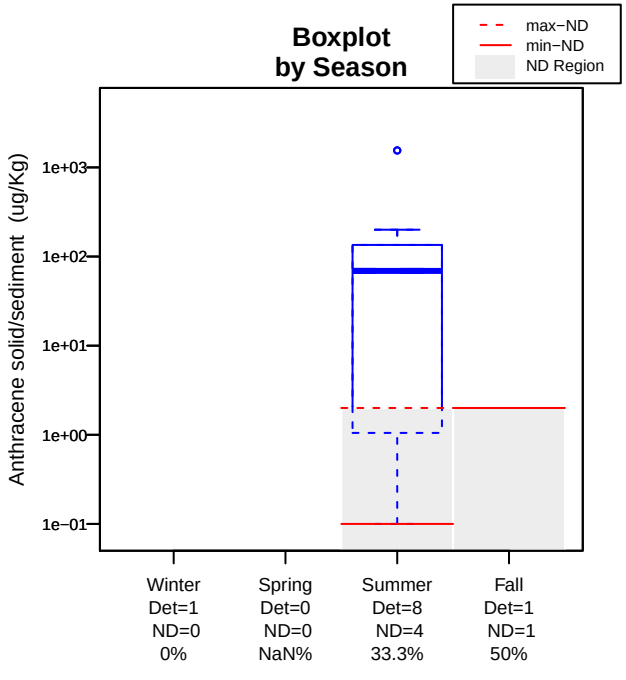


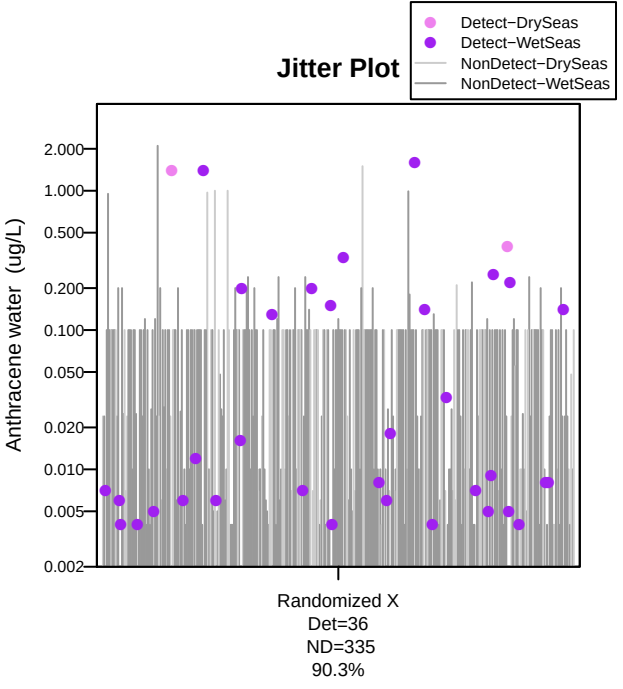




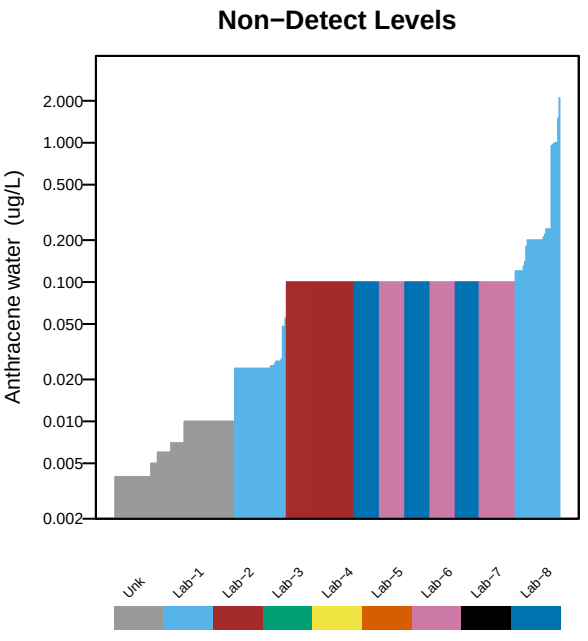


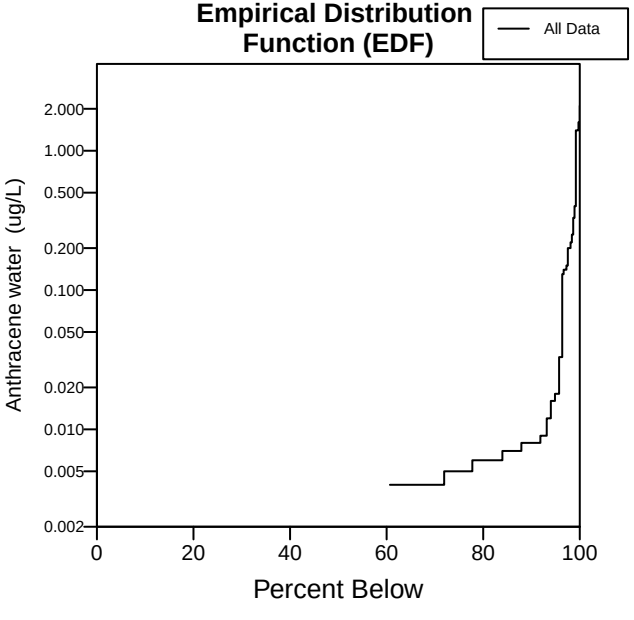
Not Plotted
(No land use has 5 or more detections)





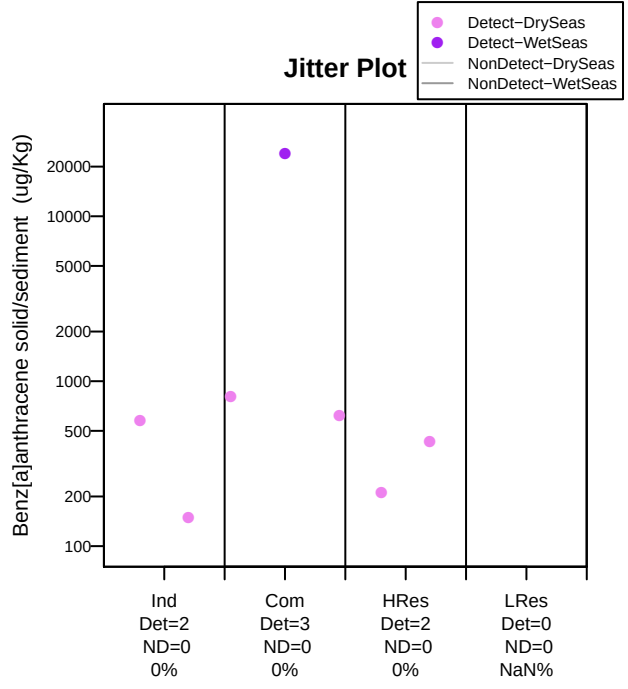
Not Plotted
(Case C)

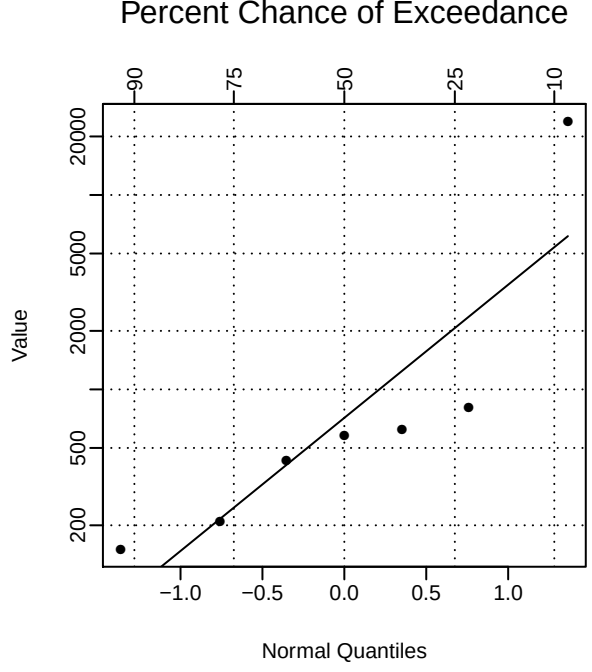




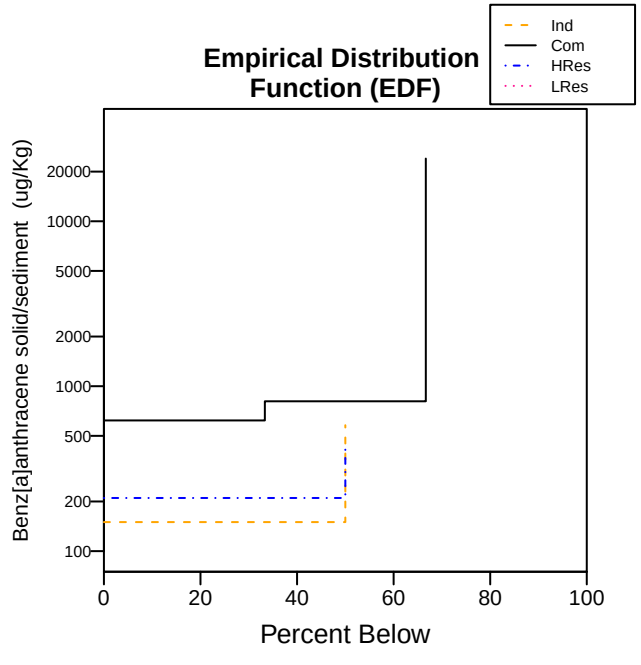
Not Plotted
(Case C)

Not Plotted
(Case C)

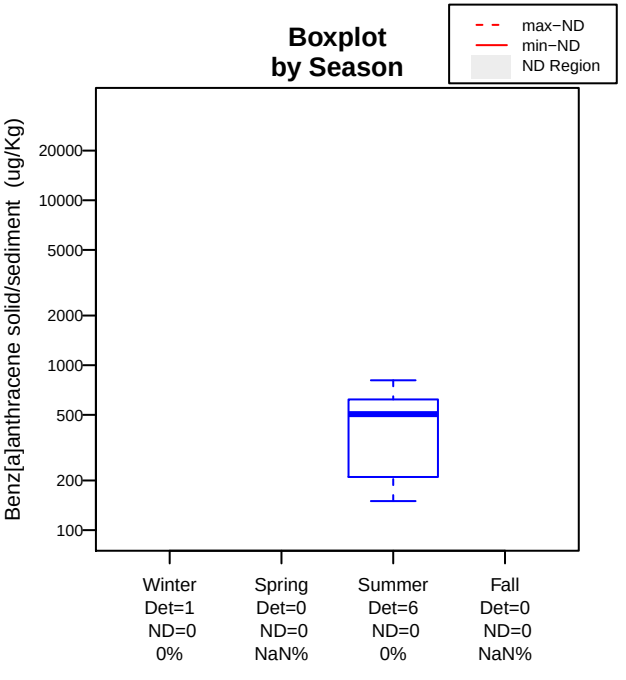


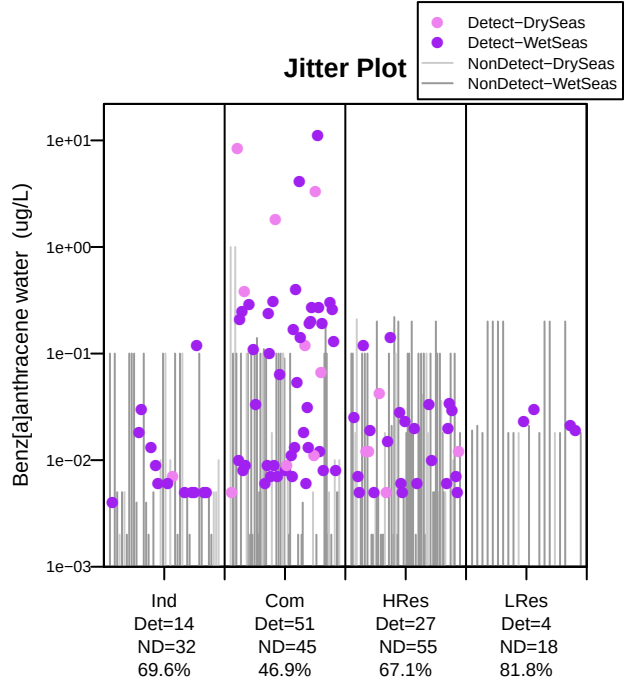


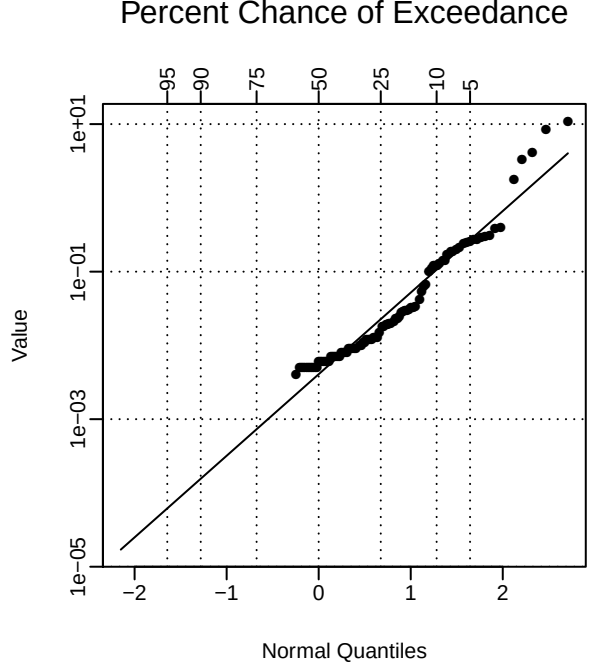
Not Plotted
(No Non−Detects)

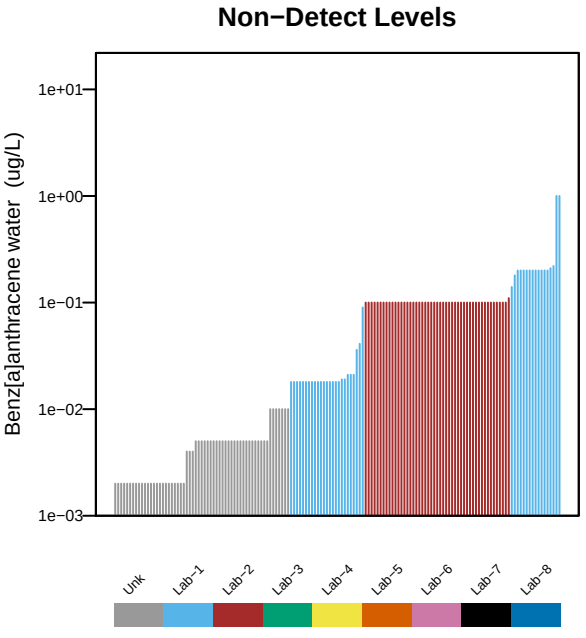


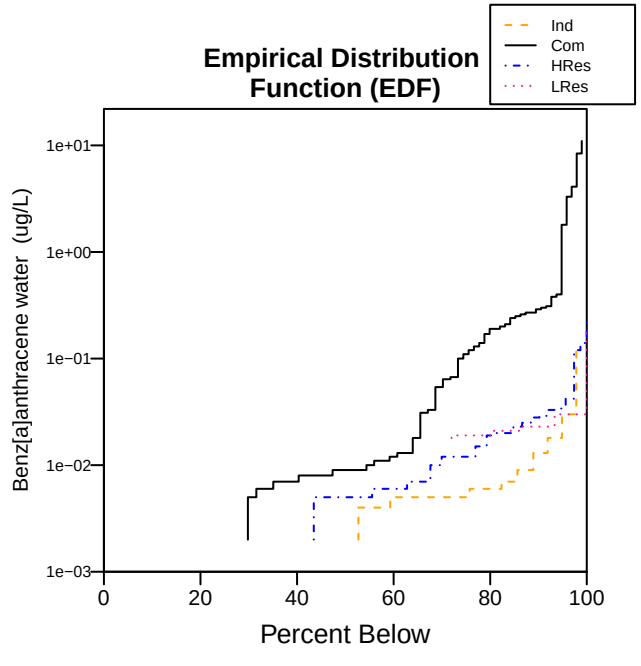
Not Plotted
(No land use has 5 or more detections)

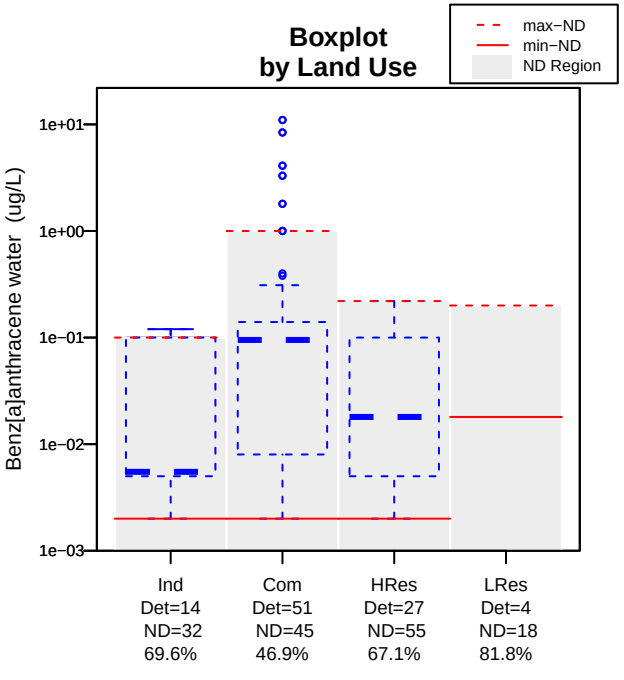


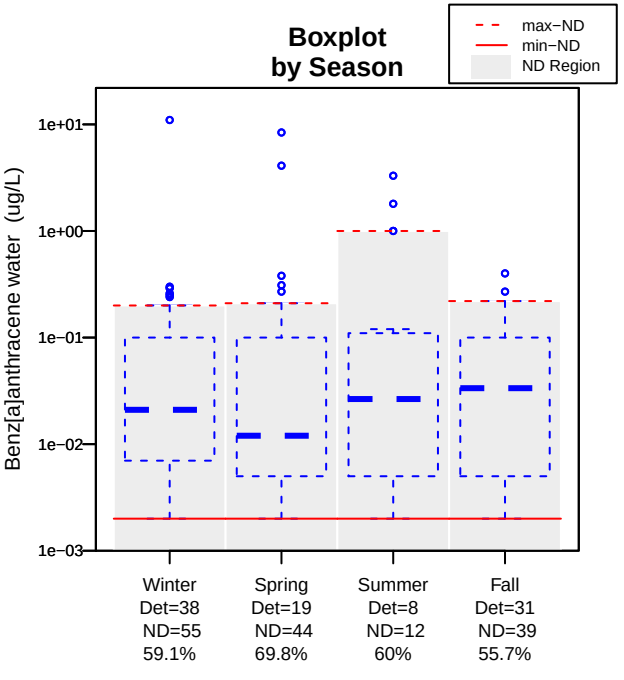

Jitter Plot
Detect−DrySeas
Detect−WetSeas
NonDetect−DrySeas
NonDetect−WetSeas
Benz[a]anthracene water (ug/L)
1e+01
1e+00
1e−01
1e−02
1e−03
Ind
Det=14
ND=32
69.6%
Com
Det=51
ND=45
46.9%
HRes
Det=27
ND=55
67.1%
LRes
Det=4
ND=18
81.8%

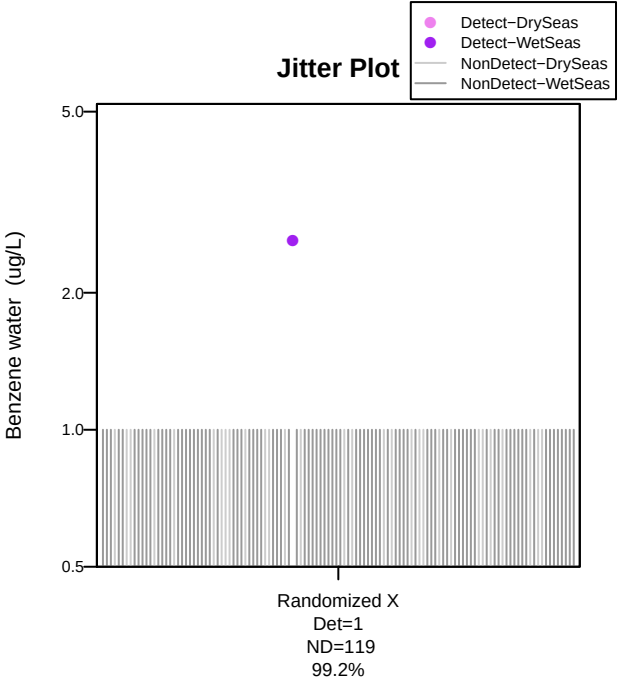

Percent Chance of Exceedance
95
90
75
50
25
10
5
Value
1e+01
1e−01
1e−03
1e−05
−2
−1
0
1
2
Normal Quantiles


Non−Detect Levels
Benz[a]anthracene water (ug/L)
1e+01
1e+00
1e−01
1e−02
1e−03
Unk
Lab−1
Lab−2
Lab−3
Lab−4
Lab−5
Lab−6
Lab−7
Lab−8

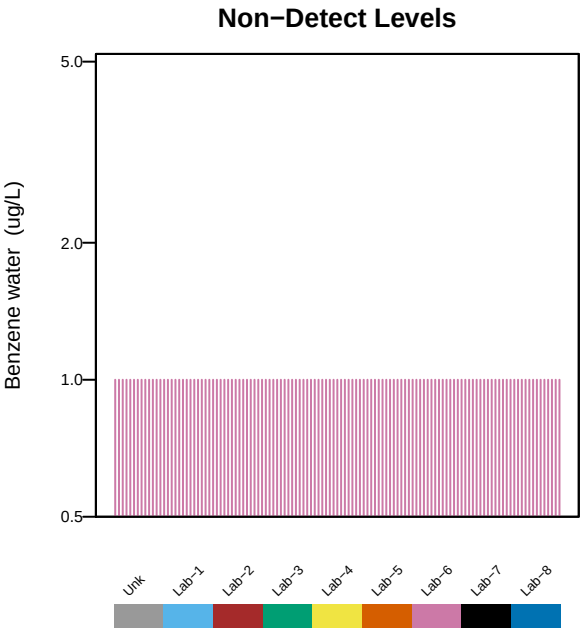

Empirical Distribution Function (EDF)
Ind
Com
HRes
LRes
Benz[a]anthracene water (ug/L)
1e+01
1e+00
1e−01
1e−02
1e−03
0
20
40
60
80
100
Percent Below


Boxplot by Land Use
max−ND
min−ND
ND Region
Benz[a]anthracene water (ug/L)
1e+01
1e+00
1e−01
1e−02
1e−03
Ind
Det=14
ND=32
69.6%
Com
Det=51
ND=45
46.9%
HRes
Det=27
ND=55
67.1%
LRes
Det=4
ND=18
81.8%


Boxplot by Season
max−ND
min−ND
ND Region
Benz[a]anthracene water (ug/L)
1e+01
1e+00
1e−01
1e−02
1e−03
Winter
Det=38
ND=55
59.1%
Spring
Det=19
ND=44
69.8%
Summer
Det=8
ND=12
60%
Fall
Det=31
ND=39
55.7%



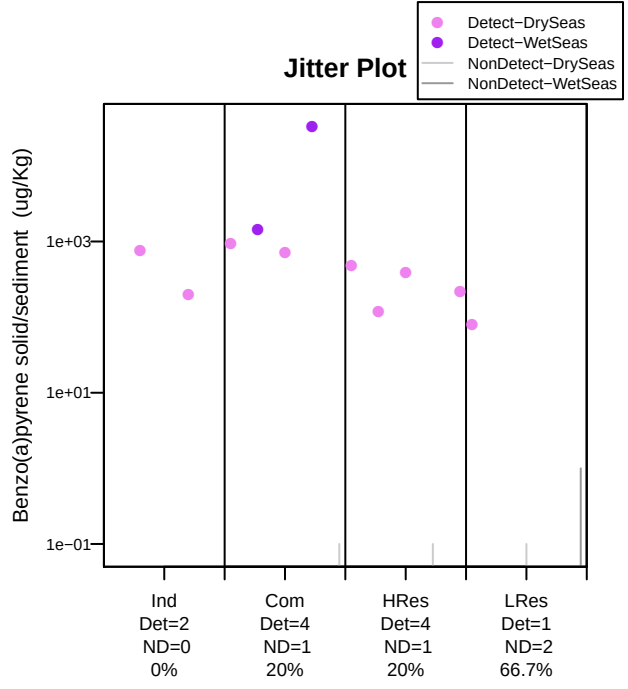
Not Plotted
(Case C)

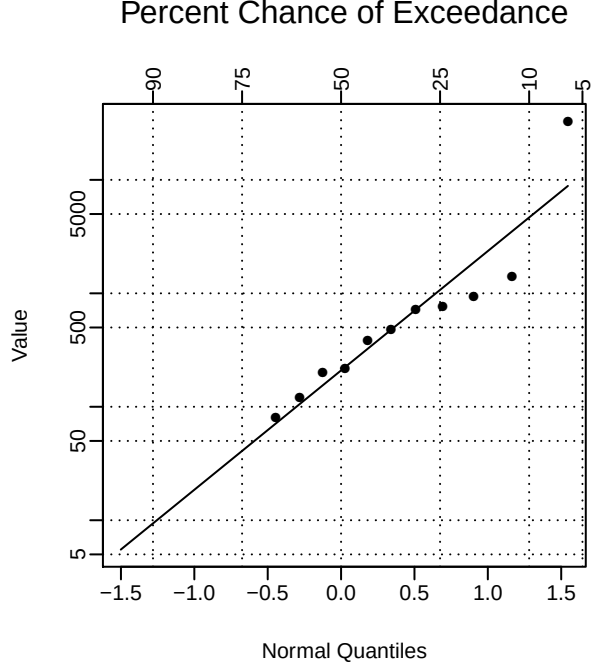


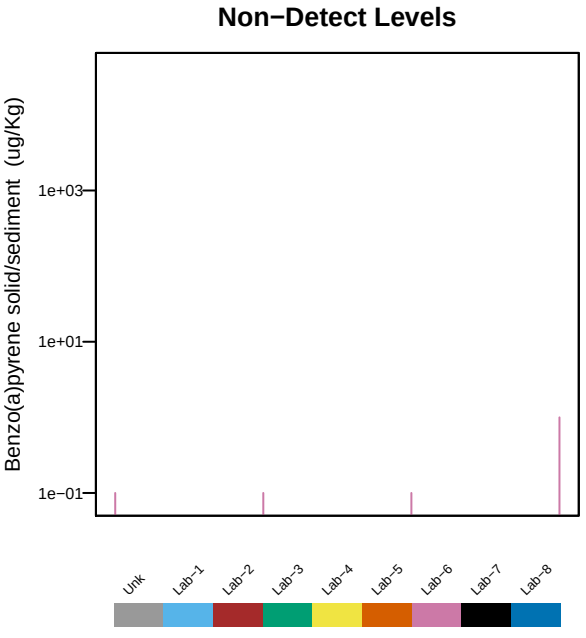
Not Plotted
(Less than 5 detections)

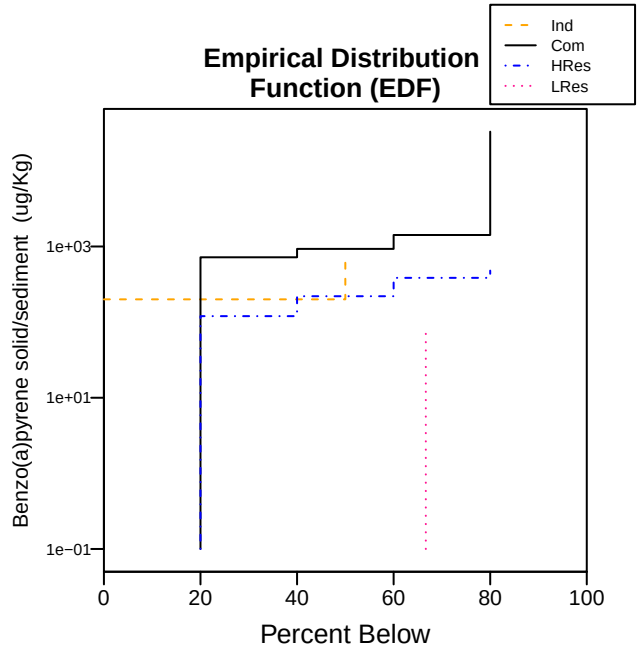
Not Plotted
(Case C)

Not Plotted
(Case C)

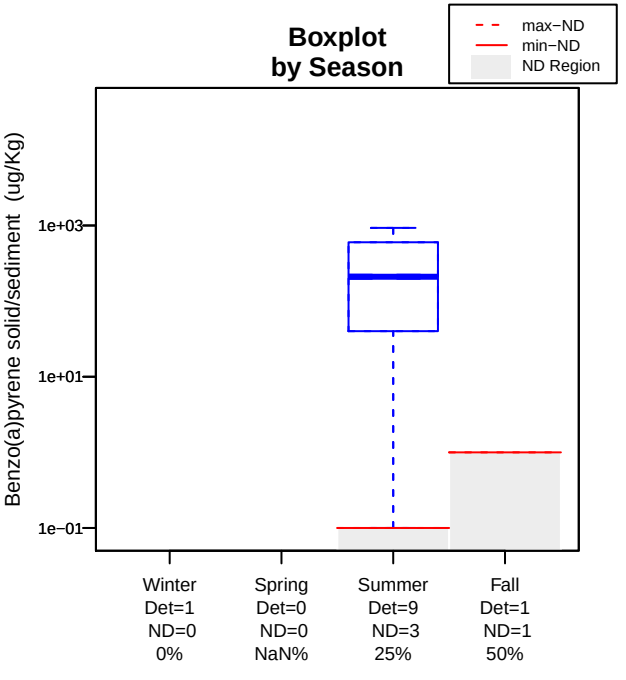


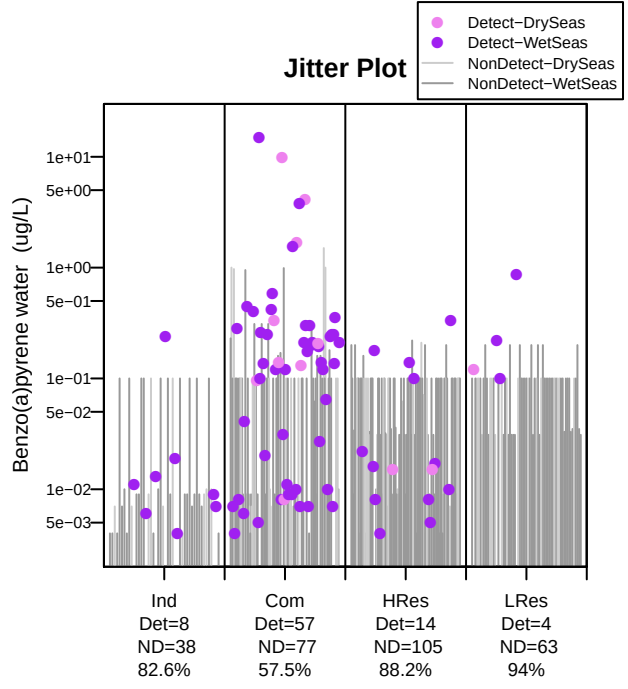


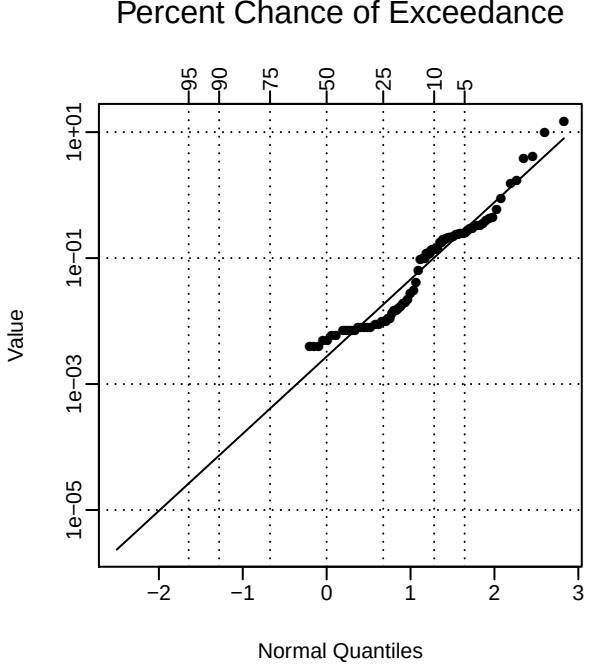


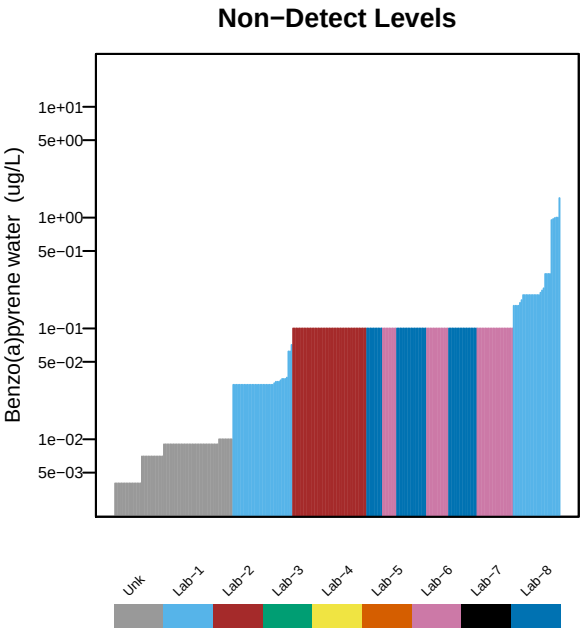


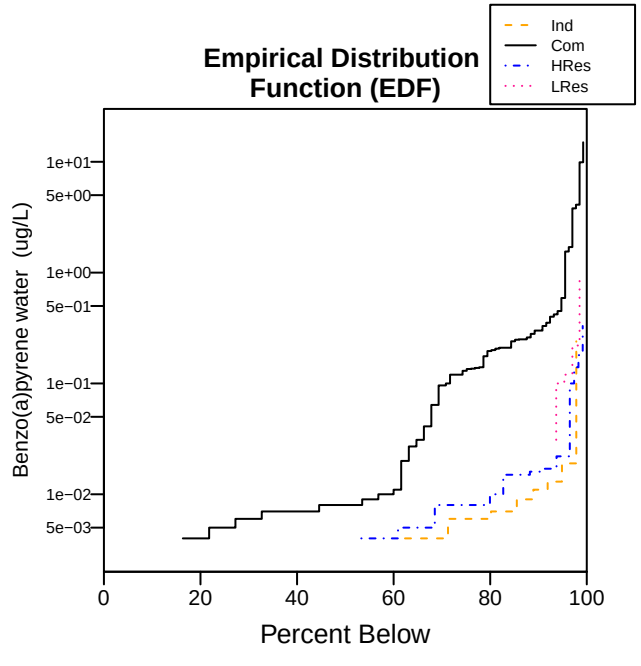
Not Plotted
(No land use has 5 or more detections)

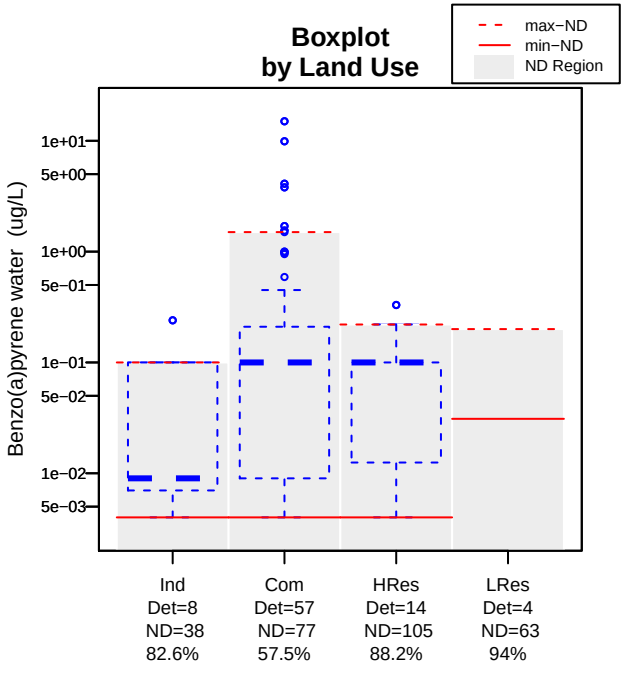


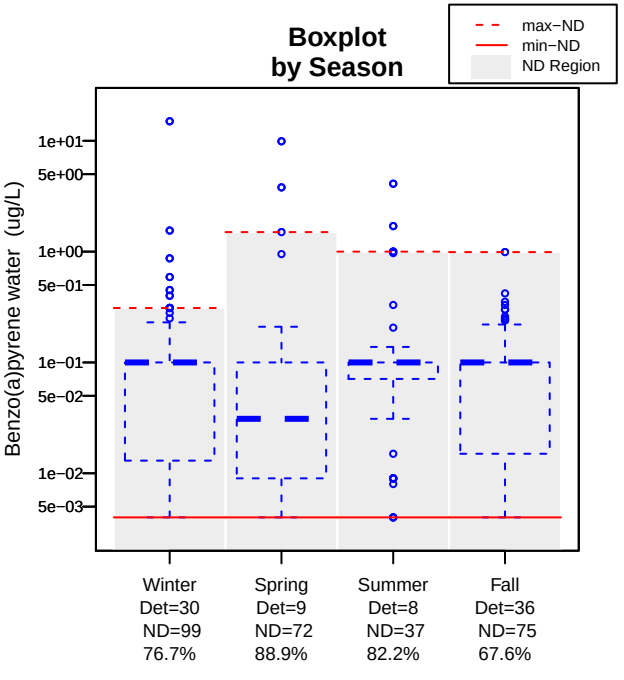

Jitter Plot
Detect−DrySeas
Detect−WetSeas
NonDetect−DrySeas
NonDetect−WetSeas
Benzo(a)pyrene water (ug/L)
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
1e−02
5e−03
Ind
Det=8
ND=38
82.6%
Com
Det=57
ND=77
57.5%
HRes
Det=14
ND=105
88.2%
LRes
Det=4
ND=63
94%

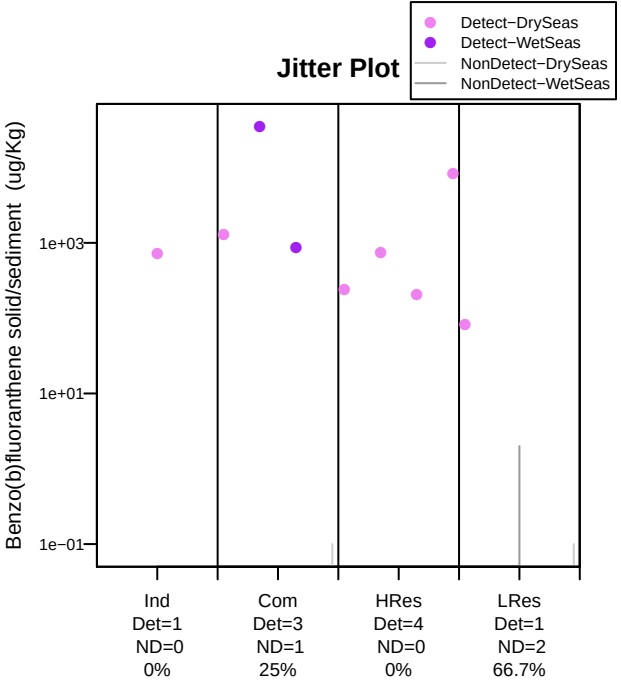

Percent Chance of Exceedance
95
90
75
50
25
10
5
Value
1e+01
1e−01
1e−03
1e−05
−2
−1
0
1
2
3
Normal Quantiles

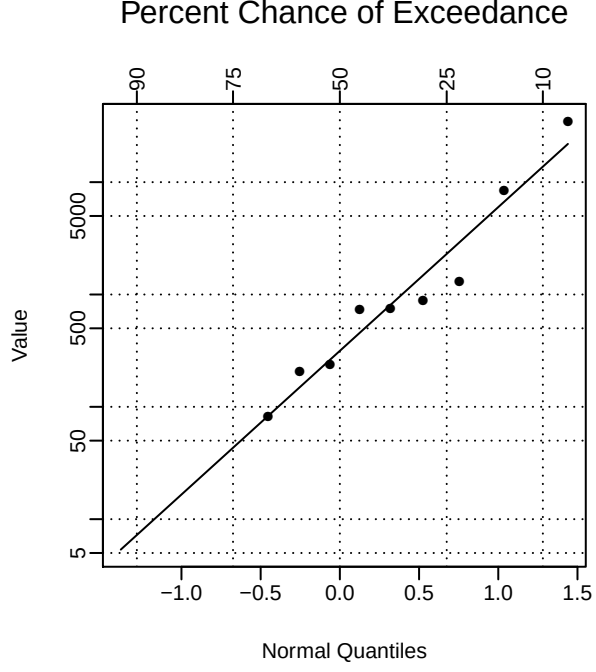

Non−Detect Levels
Benzo(a)pyrene water (ug/L)
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
1e−02
5e−03
Unk
Lab−1
Lab−2
Lab−3
Lab−4
Lab−5
Lab−6
Lab−7
Lab−8

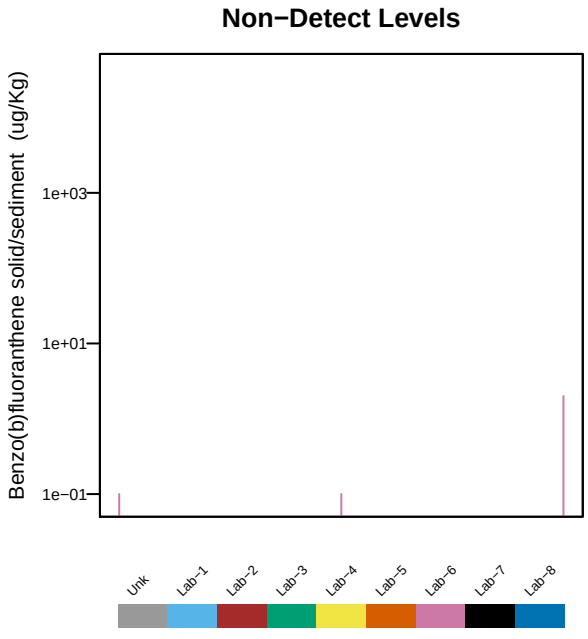

Empirical Distribution Function (EDF)
Ind
Com
HRes
LRes
Benzo(a)pyrene water (ug/L)
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
1e−02
5e−03
0
20
40
60
80
100
Percent Below

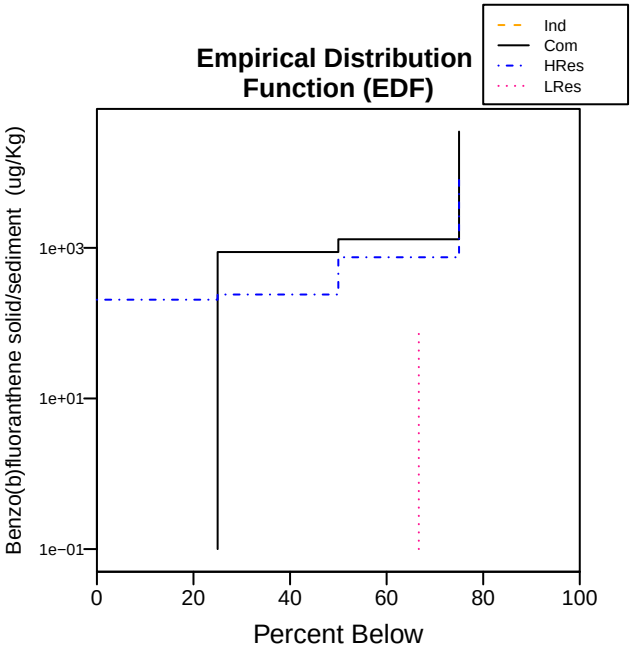

Boxplot by Land Use
max−ND
min−ND
ND Region
Benzo(a)pyrene water (ug/L)
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
1e−02
5e−03
Ind
Det=8
ND=38
82.6%
Com
Det=57
ND=77
57.5%
HRes
Det=14
ND=105
88.2%
LRes
Det=4
ND=63
94%


Boxplot by Season
max−ND
min−ND
ND Region
Benzo(a)pyrene water (ug/L)
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
1e−02
5e−03
Winter
Det=30
ND=99
76.7%
Spring
Det=9
ND=72
88.9%
Summer
Det=8
ND=37
82.2%
Fall
Det=36
ND=75
67.6%

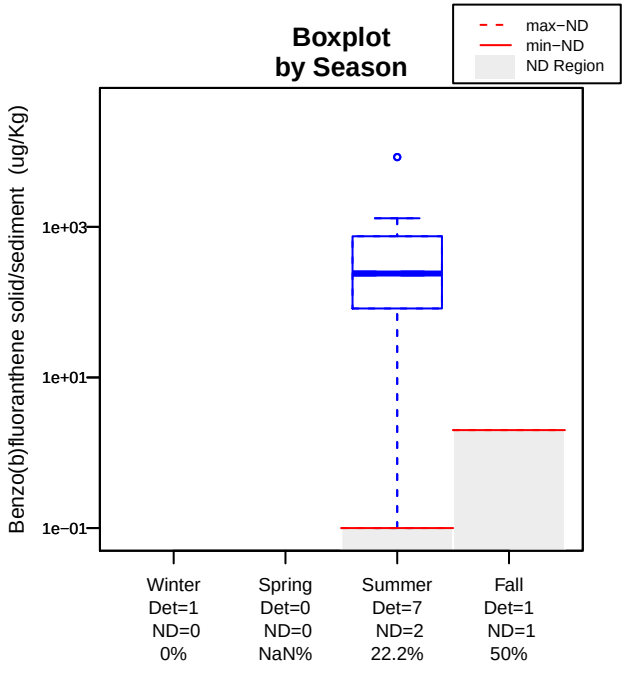


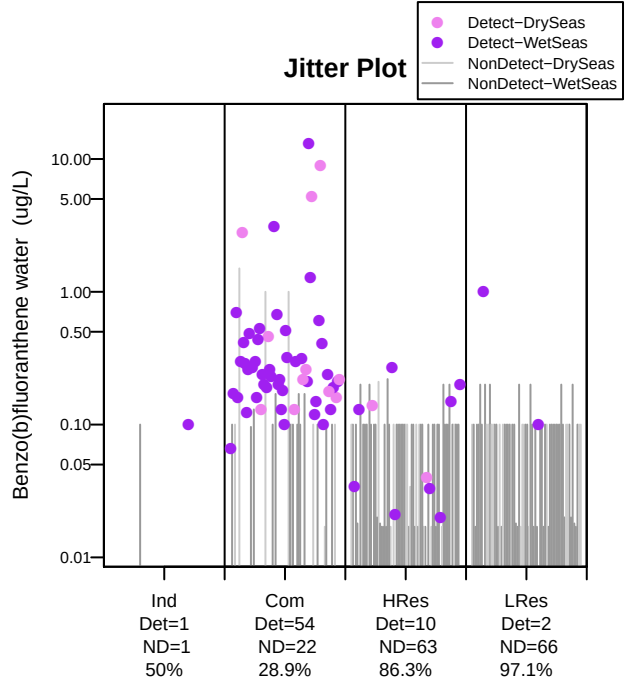


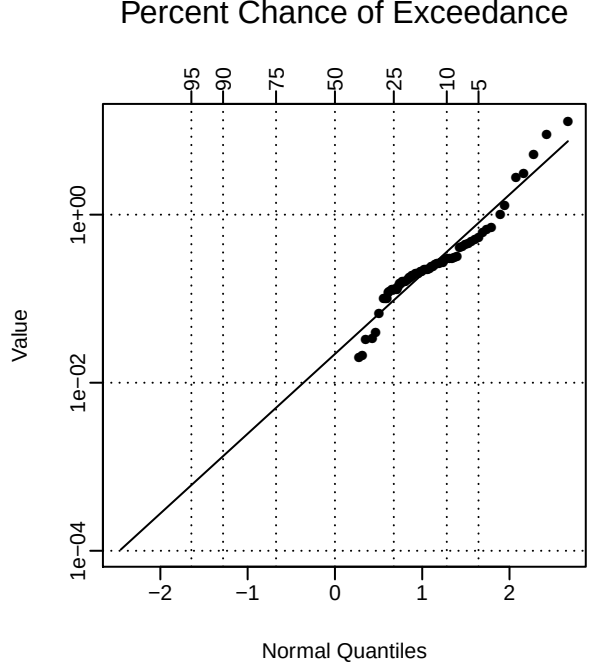


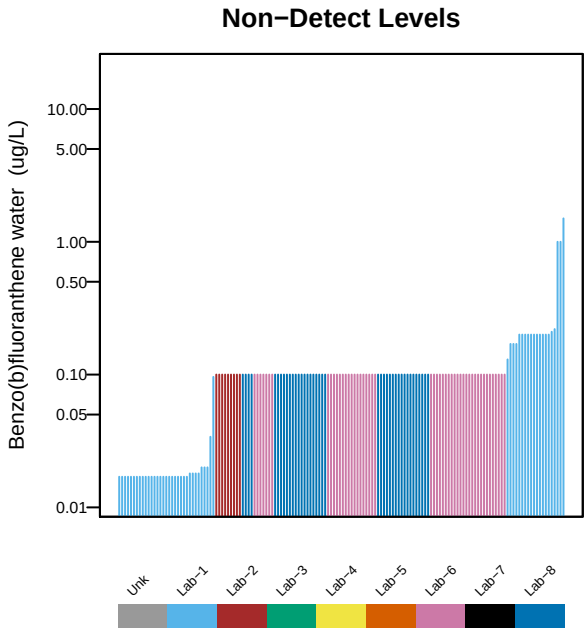


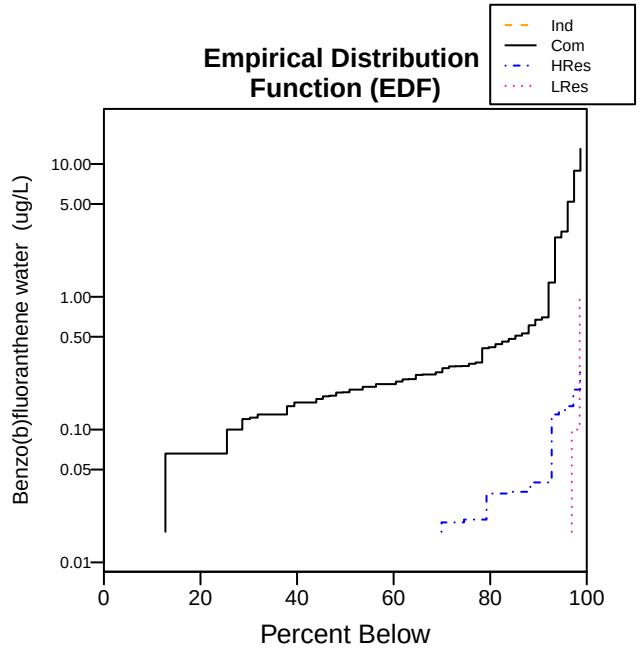
Not Plotted
(No land use has 5 or more detections)

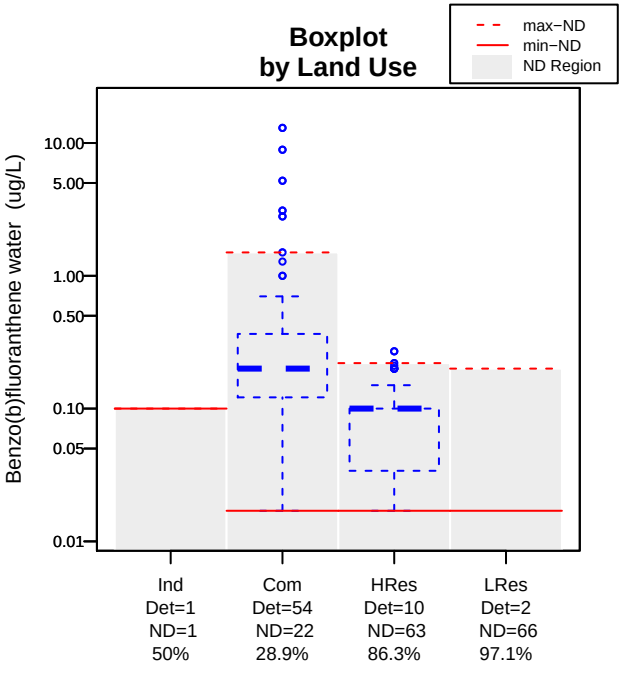


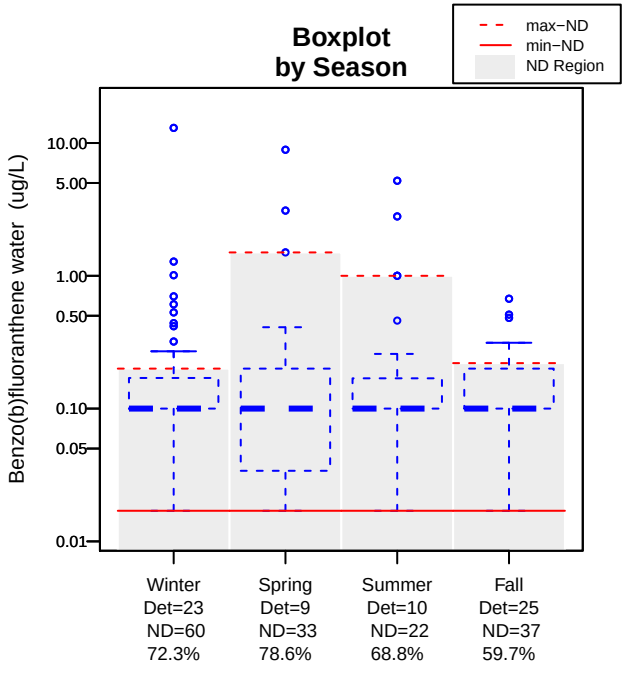

Jitter Plot
Detect−DrySeas
Detect−WetSeas
NonDetect−DrySeas
NonDetect−WetSeas
Benzo(b)fluoranthene water (ug/L)
10.00
5.00
1.00
0.50
0.10
0.05
0.01
Ind
Det=1
ND=1
50%
Com
Det=54
ND=22
28.9%
HRes
Det=10
ND=63
86.3%
LRes
Det=2
ND=66
97.1%

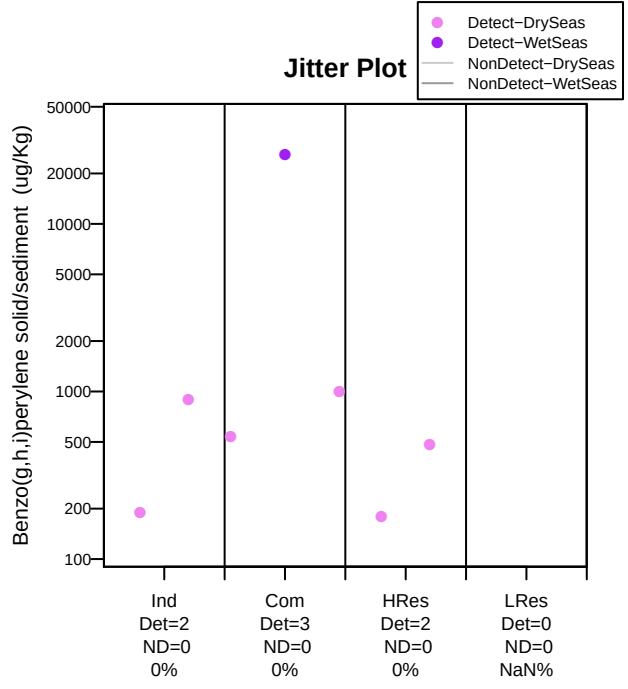

Percent Chance of Exceedance
95
90
75
50
25
10
5
Value
1e+00
1e−02
1e−04
−2
−1
0
1
2
Normal Quantiles

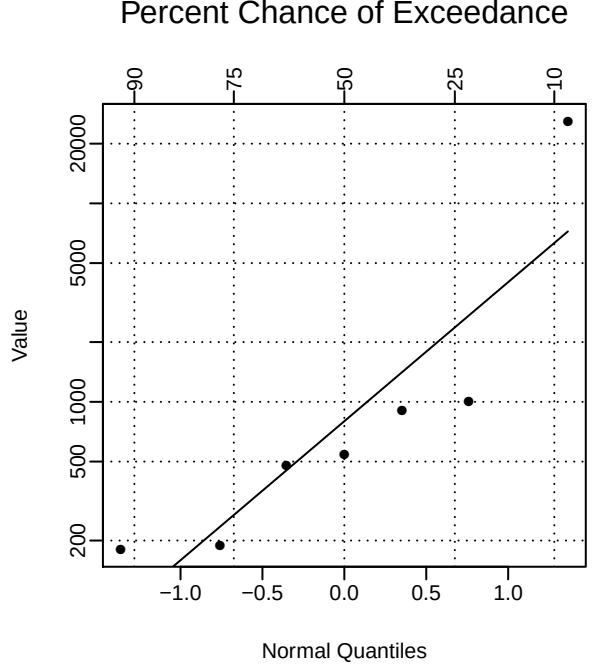

Non−Detect Levels
Benzo(b)fluoranthene water (ug/L)
10.00
5.00
1.00
0.50
0.10
0.05
0.01
Unk
Lab−1
Lab−2
Lab−3
Lab−4
Lab−5
Lab−6
Lab−7
Lab−8


Empirical Distribution Function (EDF)
Ind
Com
HRes
LRes
Benzo(b)fluoranthene water (ug/L)
10.00
5.00
1.00
0.50
0.10
0.05
0.01
0
20
40
60
80
100
Percent Below

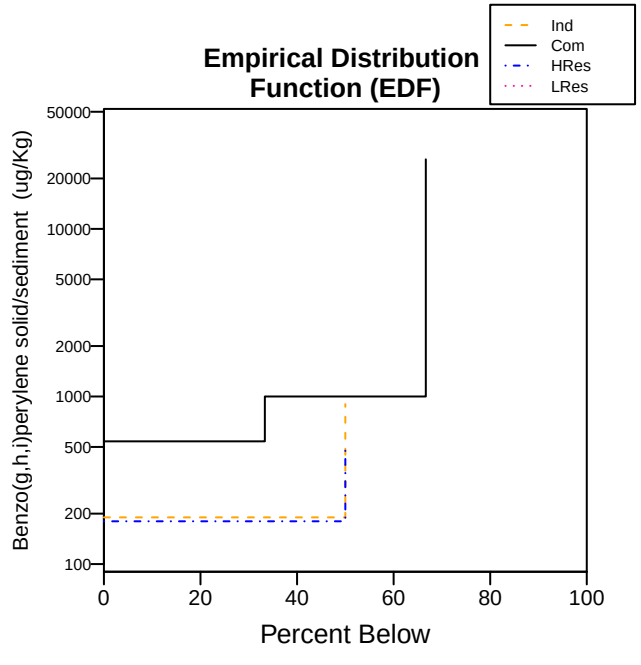

Boxplot by Land Use
max−ND
min−ND
ND Region
Benzo(b)fluoranthene water (ug/L)
10.00
5.00
1.00
0.50
0.10
0.05
0.01
Ind
Det=1
ND=1
50%
Com
Det=54
ND=22
28.9%
HRes
Det=10
ND=63
86.3%
LRes
Det=2
ND=66
97.1%


Boxplot by Season
max−ND
min−ND
ND Region
Benzo(b)fluoranthene water (ug/L)
10.00
5.00
1.00
0.50
0.10
0.05
0.01
Winter
Det=23
ND=60
72.3%
Spring
Det=9
ND=33
78.6%
Summer
Det=10
ND=22
68.8%
Fall
Det=25
ND=37
59.7%

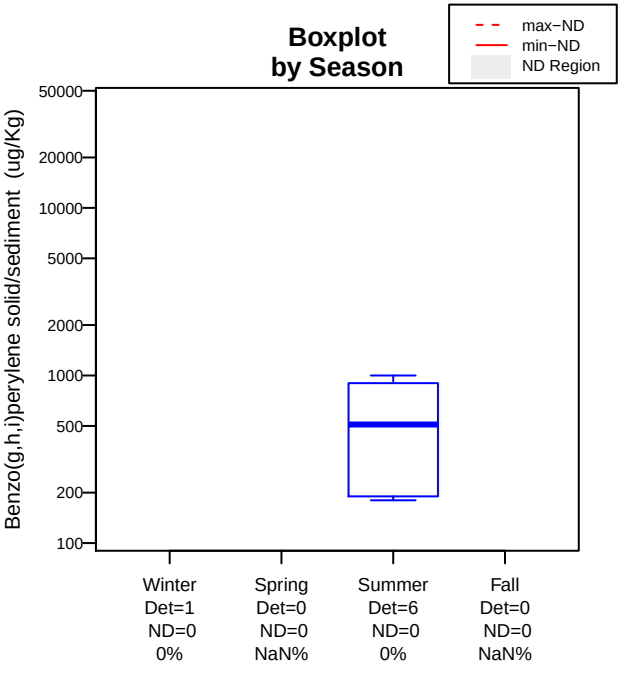


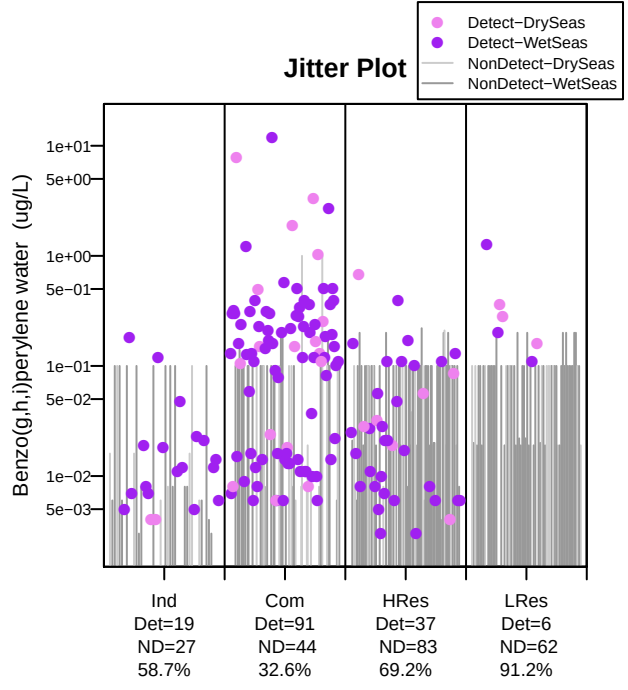


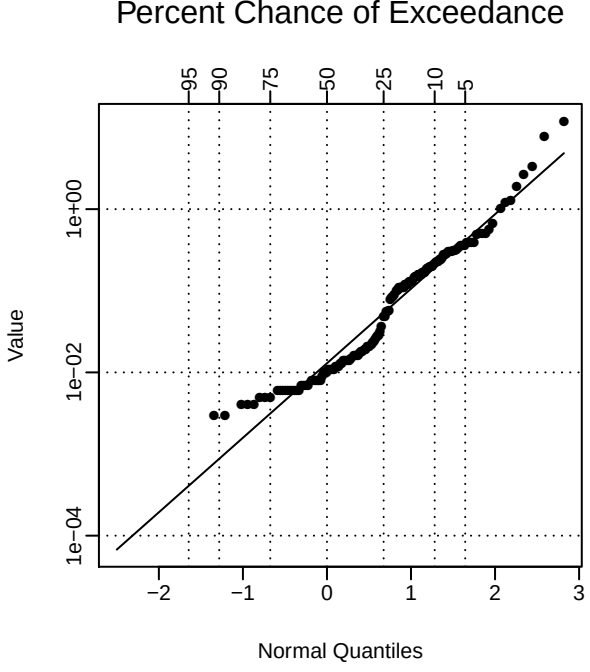
Not Plotted
(No Non−Detects)

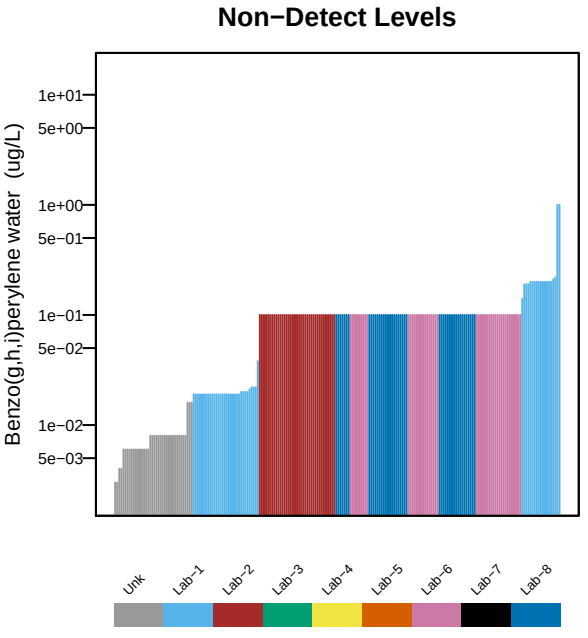


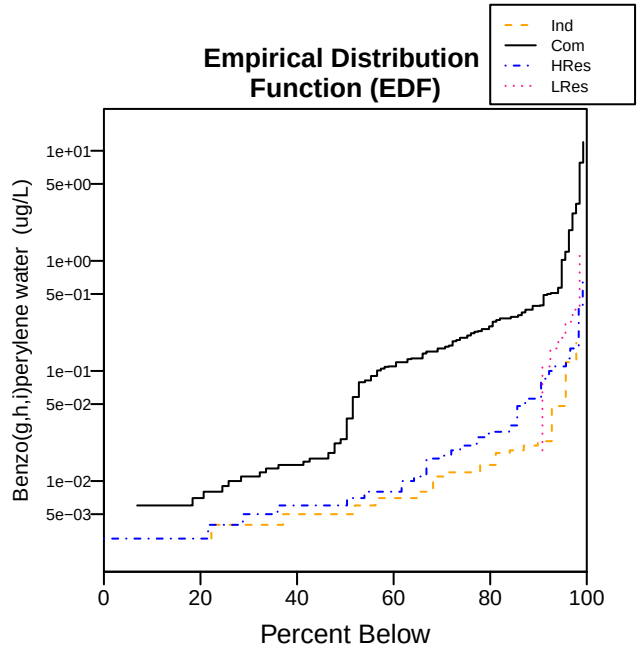
Not Plotted
(No land use has 5 or more detections)

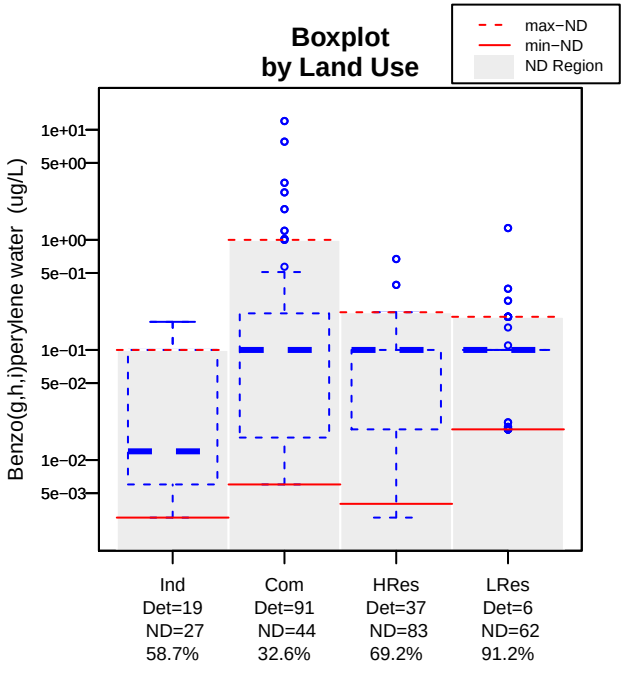


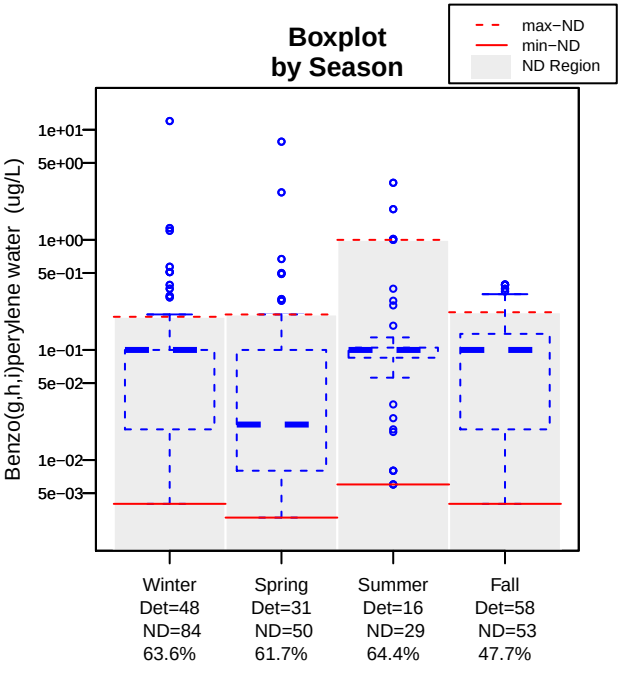

Jitter Plot
Detect−DrySeas
Detect−WetSeas
NonDetect−DrySeas
NonDetect−WetSeas
Benzo(g,h,i)perylene water (ug/L)
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
1e−02
5e−03
Ind
Det=19
ND=27
58.7%
Com
Det=91
ND=44
32.6%
HRes
Det=37
ND=83
69.2%
LRes
Det=6
ND=62
91.2%

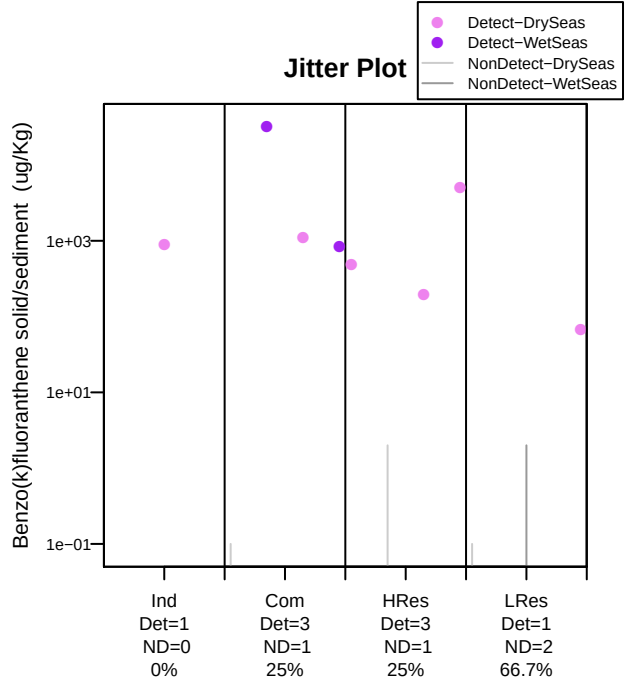

Percent Chance of Exceedance
95
90
75
50
25
10
5
Value
1e+00
1e−02
1e−04
−2
−1
0
1
2
3
Normal Quantiles

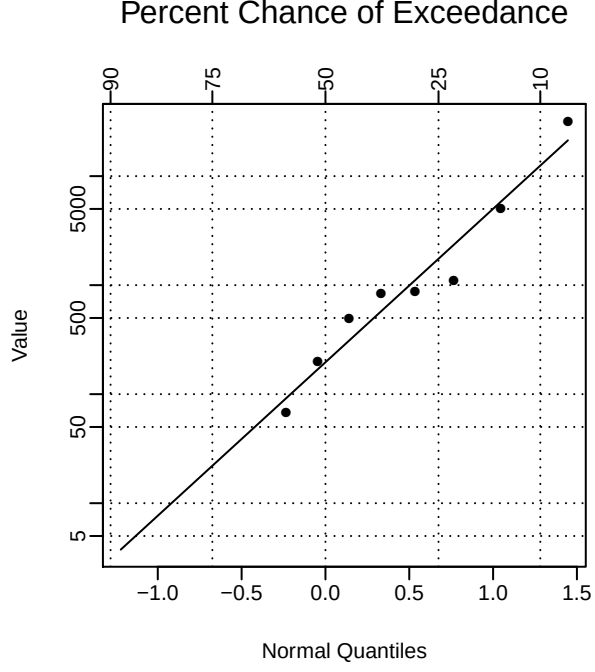

Non−Detect Levels
Benzo(g,h,i)perylene water (ug/L)
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
1e−02
5e−03
Unk
Lab−1
Lab−2
Lab−3
Lab−4
Lab−5
Lab−6
Lab−7
Lab−8

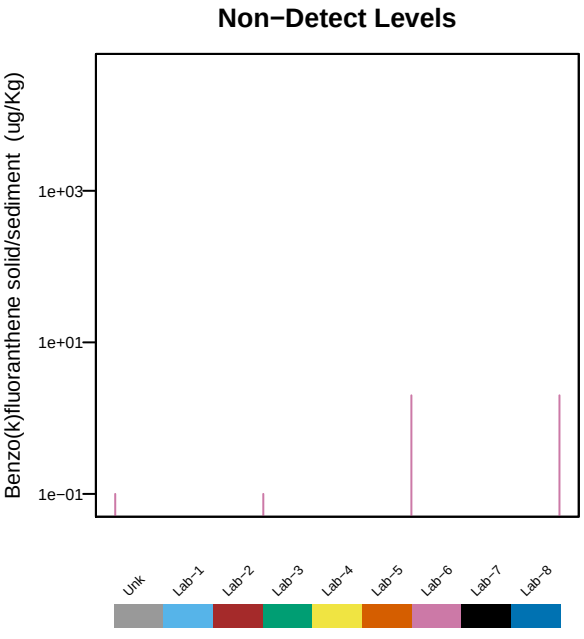

Empirical Distribution Function (EDF)
Ind
Com
HRes
LRes
Benzo(g,h,i)perylene water (ug/L)
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
1e−02
5e−03
0
20
40
60
80
100
Percent Below

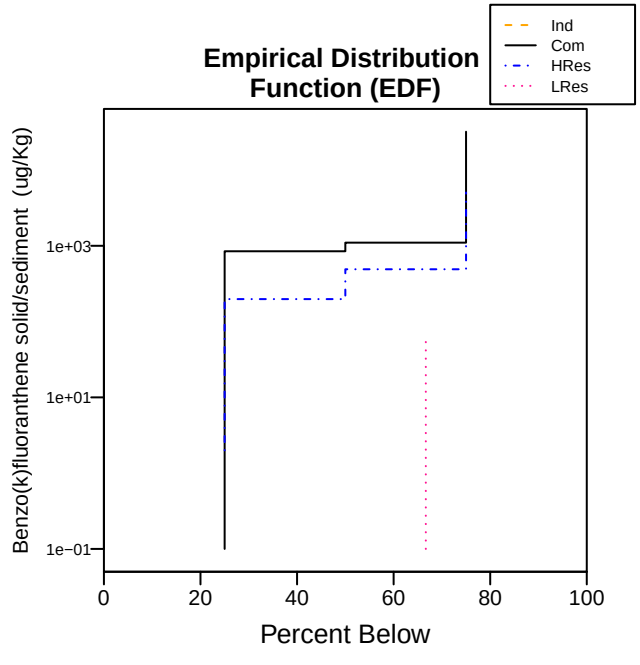

Boxplot by Land Use
max−ND
min−ND
ND Region
Benzo(g,h,i)perylene water (ug/L)
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
1e−02
5e−03
Ind
Det=19
ND=27
58.7%
Com
Det=91
ND=44
32.6%
HRes
Det=37
ND=83
69.2%
LRes
Det=6
ND=62
91.2%


Boxplot by Season
max−ND
min−ND
ND Region
Benzo(g,h,i)perylene water (ug/L)
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
1e−02
5e−03
Winter
Det=48
ND=84
63.6%
Spring
Det=31
ND=50
61.7%
Summer
Det=16
ND=29
64.4%
Fall
Det=58
ND=53
47.7%

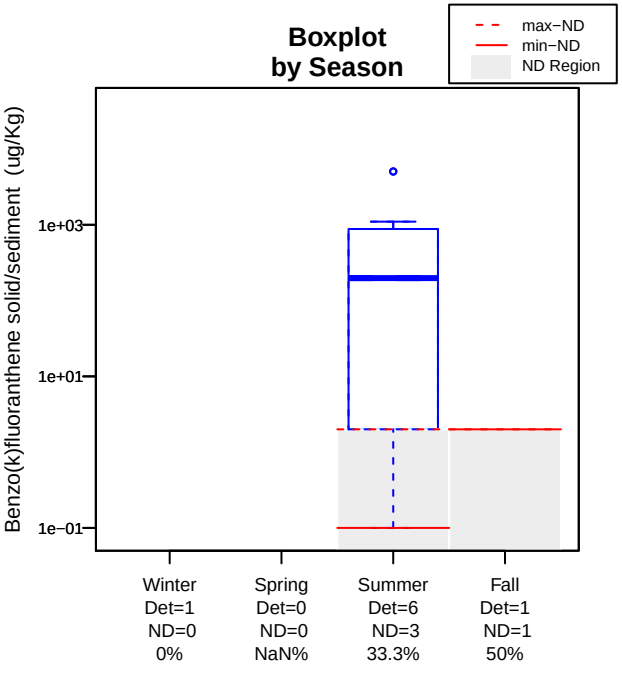


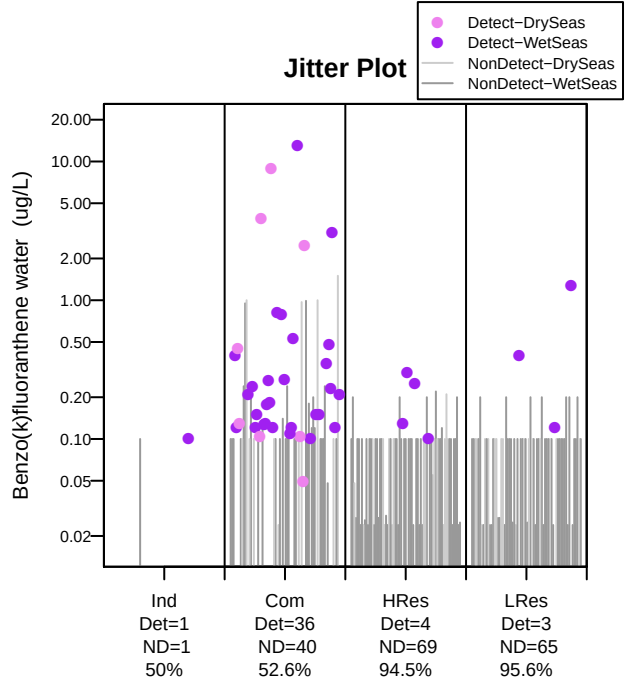


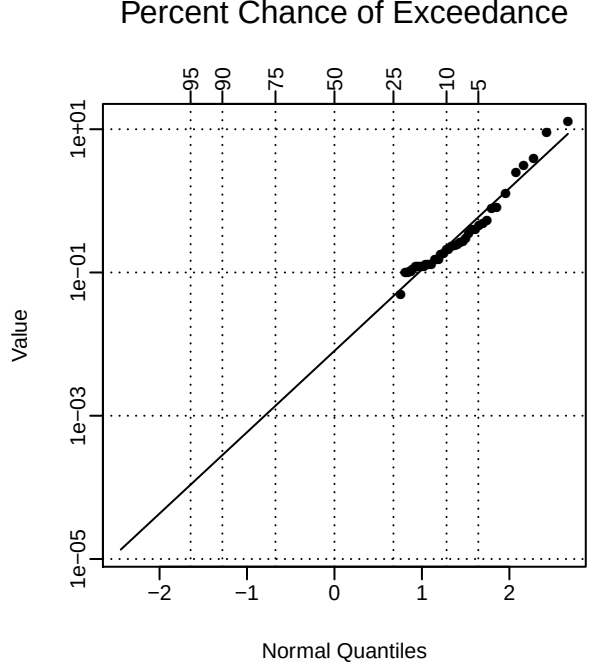


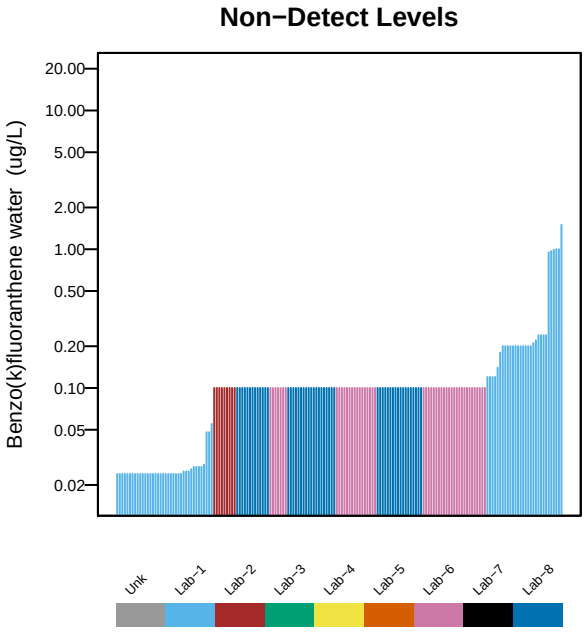


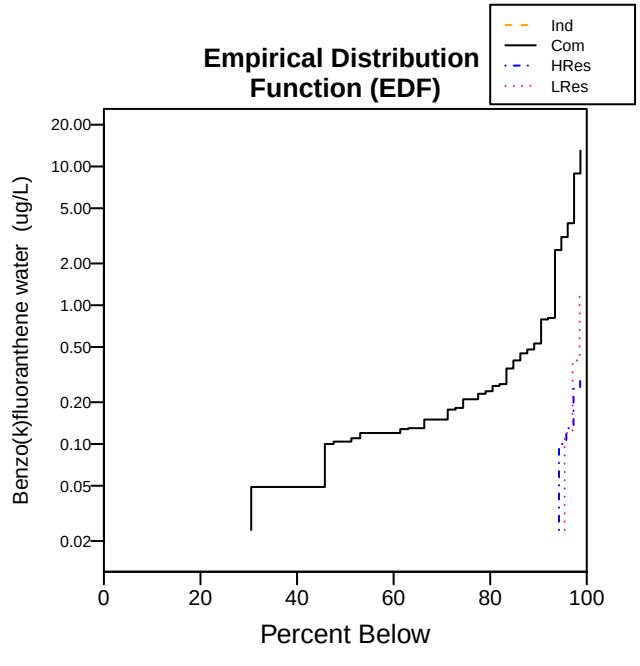
Not Plotted
(No land use has 5 or more detections)

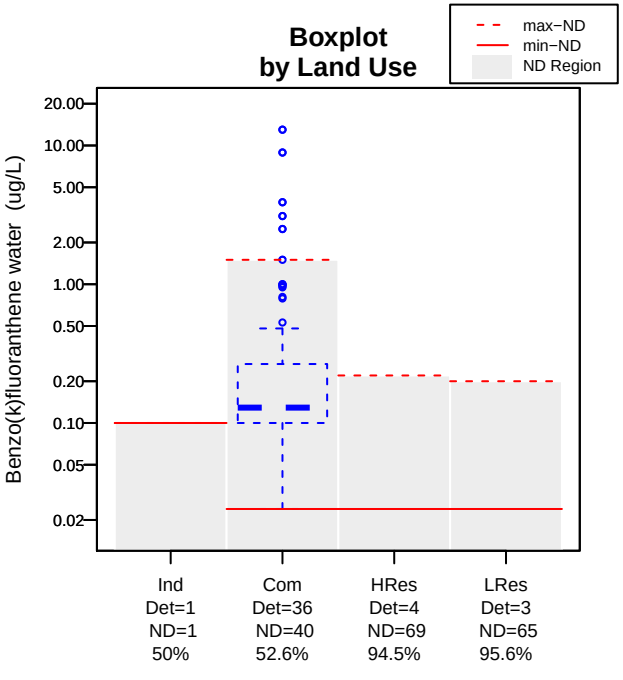


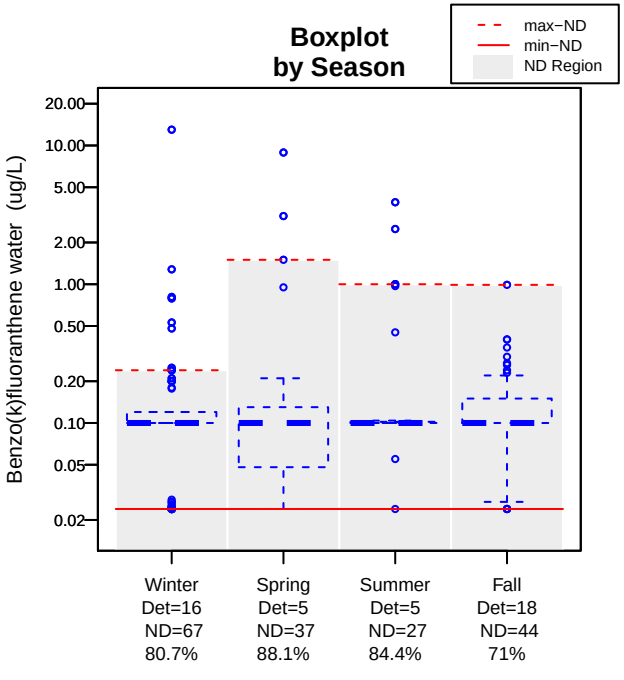

Jitter Plot
Detect−DrySeas
Detect−WetSeas
NonDetect−DrySeas
NonDetect−WetSeas
Benzo(k)fluoranthene water (ug/L)
20.00
10.00
5.00
2.00
1.00
0.50
0.20
0.10
0.05
0.02
Ind
Det=1
ND=1
50%
Com
Det=36
ND=40
52.6%
HRes
Det=4
ND=69
94.5%
LRes
Det=3
ND=65
95.6%

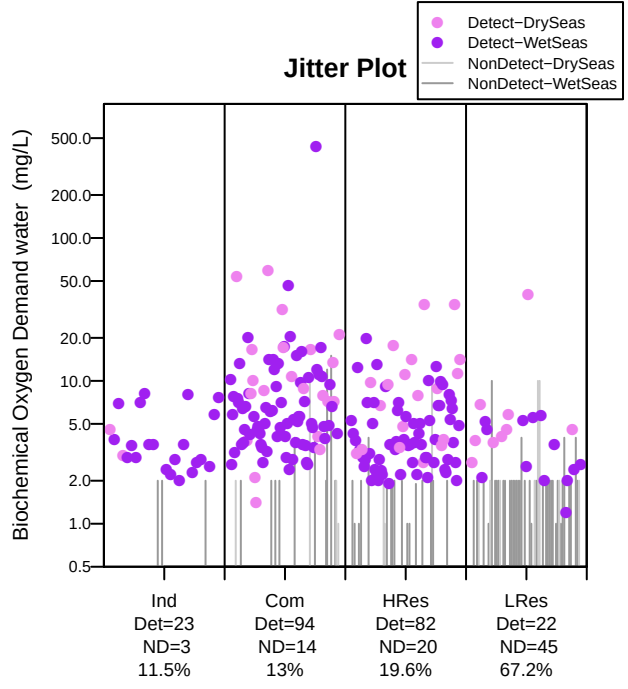

Percent Chance of Exceedance
95
90
75
50
25
10
5
Value
1e+01
1e−01
1e−03
1e−05
−2
−1
0
1
2
Normal Quantiles

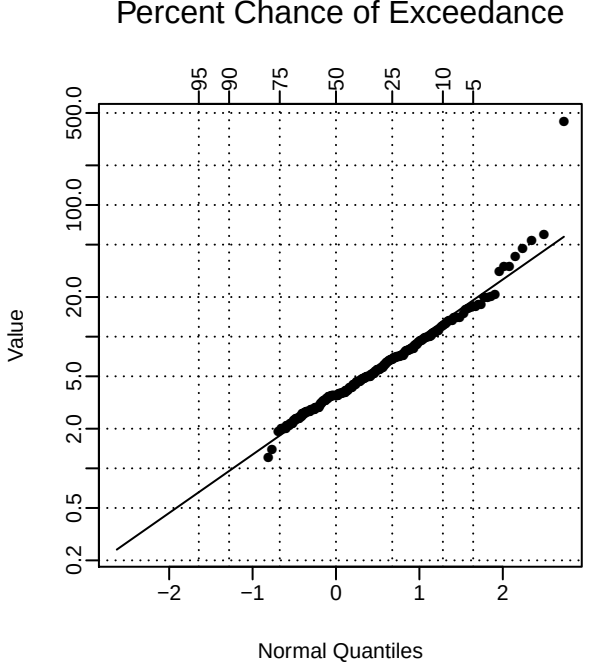

Non−Detect Levels
Benzo(k)fluoranthene water (ug/L)
20.00
10.00
5.00
2.00
1.00
0.50
0.20
0.10
0.05
0.02
Unk
Lab−1
Lab−2
Lab−3
Lab−4
Lab−5
Lab−6
Lab−7
Lab−8

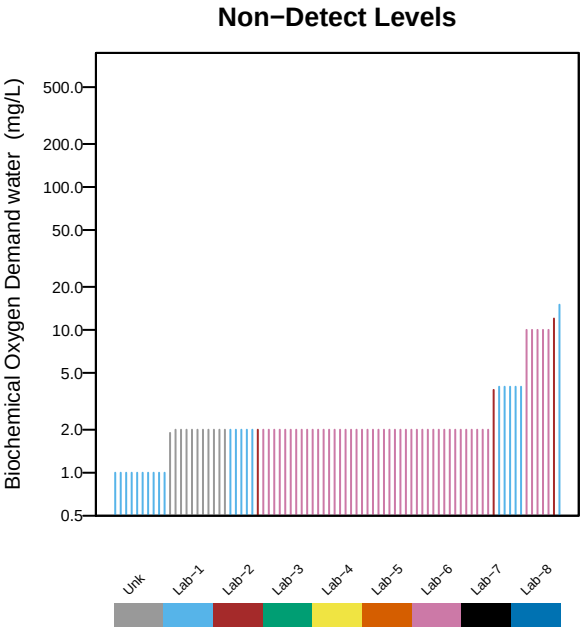

Empirical Distribution Function (EDF)
Ind
Com
HRes
LRes
Benzo(k)fluoranthene water (ug/L)
20.00
10.00
5.00
2.00
1.00
0.50
0.20
0.10
0.05
0.02
0
20
40
60
80
100
Percent Below

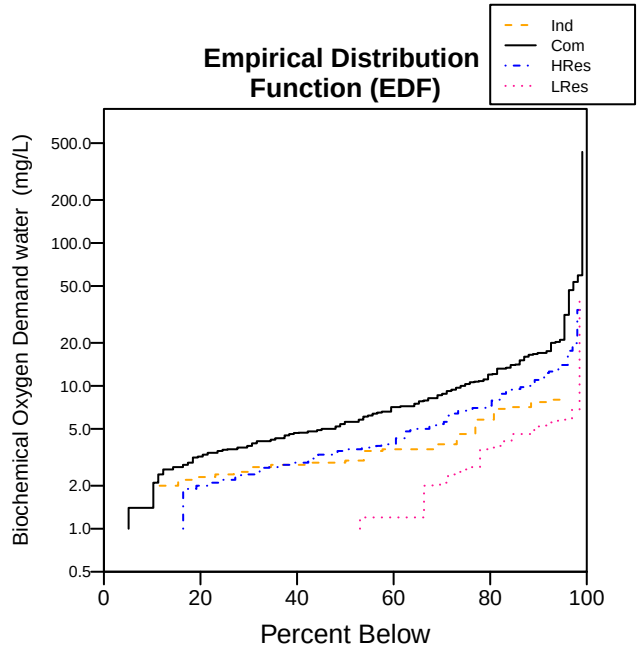

Boxplot by Land Use
max−ND
min−ND
ND Region
Benzo(k)fluoranthene water (ug/L)
20.00
10.00
5.00
2.00
1.00
0.50
0.20
0.10
0.05
0.02
Ind
Det=1
ND=1
50%
Com
Det=36
ND=40
52.6%
HRes
Det=4
ND=69
94.5%
LRes
Det=3
ND=65
95.6%

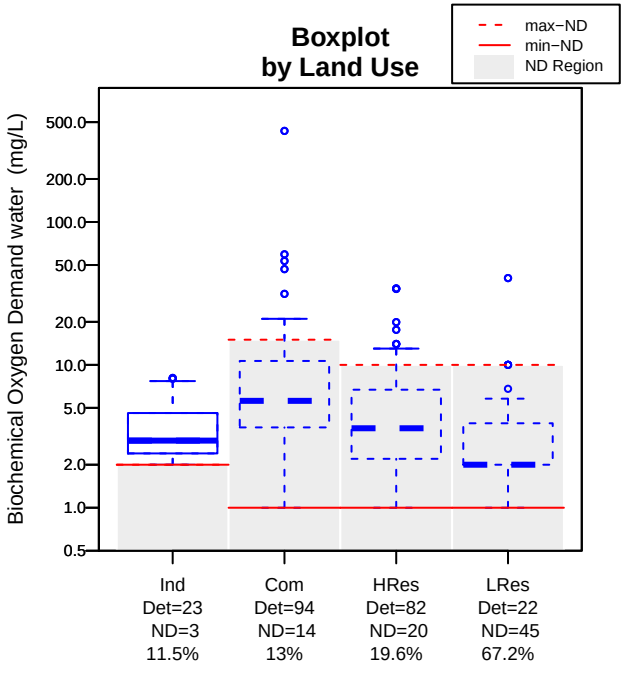

Boxplot by Season
max−ND
min−ND
ND Region
Benzo(k)fluoranthene water (ug/L)
20.00
10.00
5.00
2.00
1.00
0.50
0.20
0.10
0.05
0.02
Winter
Det=16
ND=67
80.7%
Spring
Det=5
ND=37
88.1%
Summer
Det=5
ND=27
84.4%
Fall
Det=18
ND=44
71%

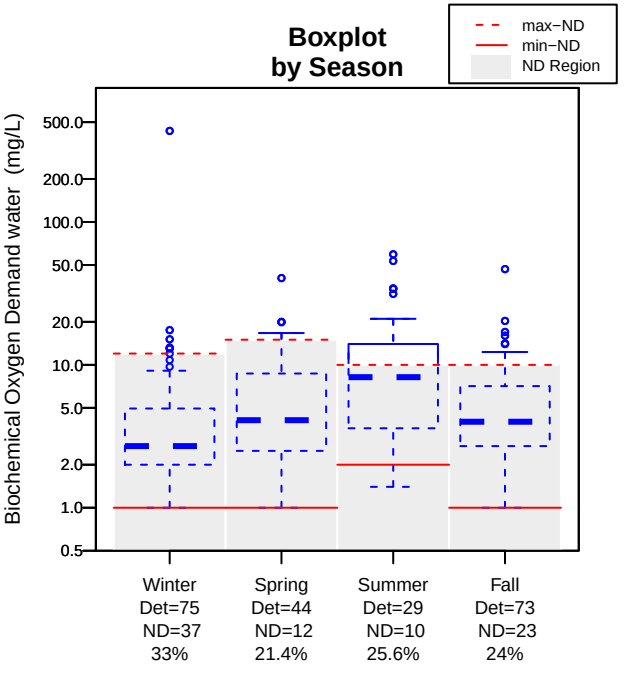

Jitter Plot
Detect−DrySeas
Detect−WetSeas
NonDetect−DrySeas
NonDetect−WetSeas
Biochemical Oxygen Demand water (mg/L)
500.0
200.0
100.0
50.0
20.0
10.0
5.0
2.0
1.0
0.5
Ind
Det=23
ND=3
11.5%
Com
Det=94
ND=14
13%
HRes
Det=82
ND=20
19.6%
LRes
Det=22
ND=45
67.2%

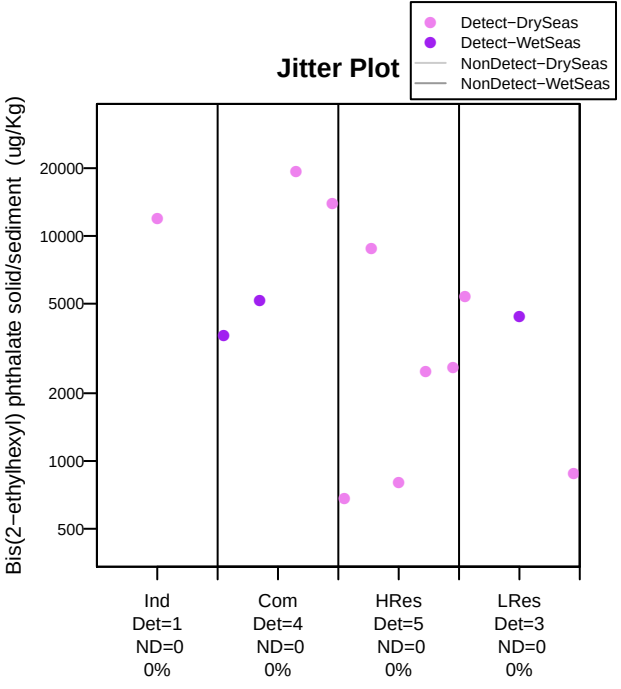

Percent Chance of Exceedance
95
90
75
50
25
10
5
Value
500.0
100.0
20.0
5.0
2.0
0.5
0.2
−2
−1
0
1
2
Normal Quantiles

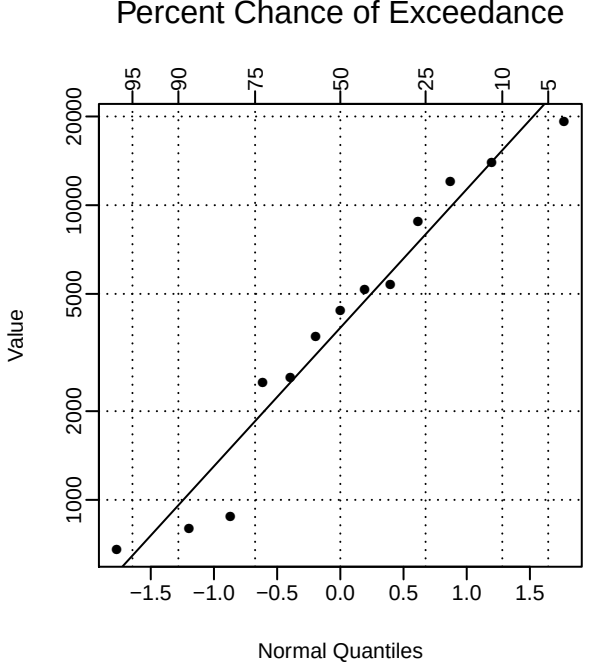

Non−Detect Levels
Biochemical Oxygen Demand water (mg/L)
500.0
200.0
100.0
50.0
20.0
10.0
5.0
2.0
1.0
0.5
Unk
Lab−1
Lab−2
Lab−3
Lab−4
Lab−5
Lab−6
Lab−7
Lab−8


Empirical Distribution Function (EDF)
Ind
Com
HRes
LRes
Biochemical Oxygen Demand water (mg/L)
500.0
200.0
100.0
50.0
20.0
10.0
5.0
2.0
1.0
0.5
0
20
40
60
80
100
Percent Below

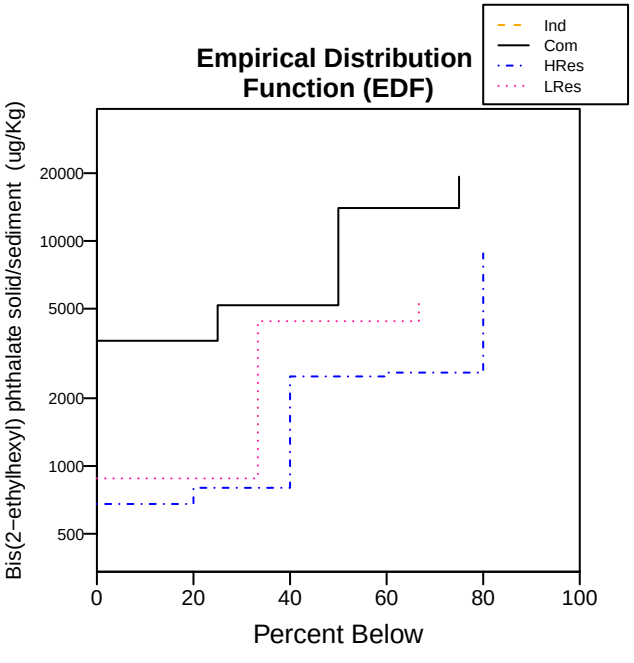

Boxplot by Land Use
max−ND
min−ND
ND Region
Biochemical Oxygen Demand water (mg/L)
500.0
200.0
100.0
50.0
20.0
10.0
5.0
2.0
1.0
0.5
Ind
Det=23
ND=3
11.5%
Com
Det=94
ND=14
13%
HRes
Det=82
ND=20
19.6%
LRes
Det=22
ND=45
67.2%

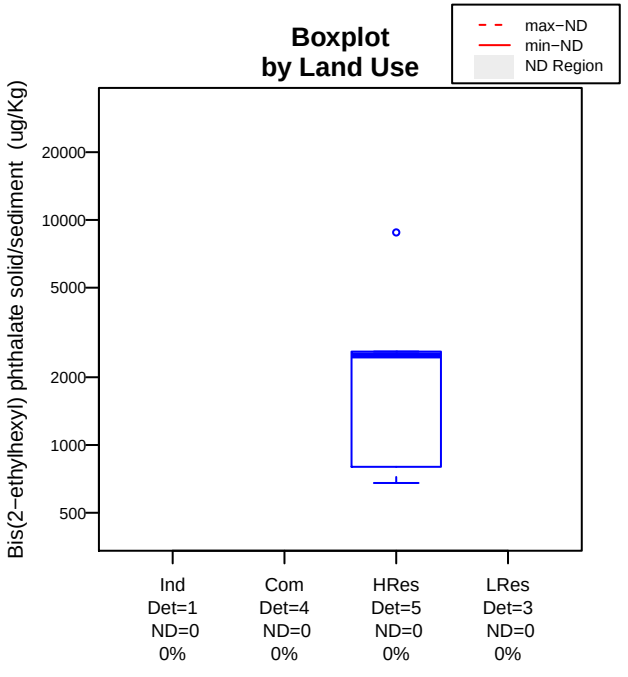

Boxplot by Season
max−ND
min−ND
ND Region
Biochemical Oxygen Demand water (mg/L)
500.0
200.0
100.0
50.0
20.0
10.0
5.0
2.0
1.0
0.5
Winter
Det=75
ND=37
33%
Spring
Det=44
ND=12
21.4%
Summer
Det=29
ND=10
25.6%
Fall
Det=73
ND=23
24%

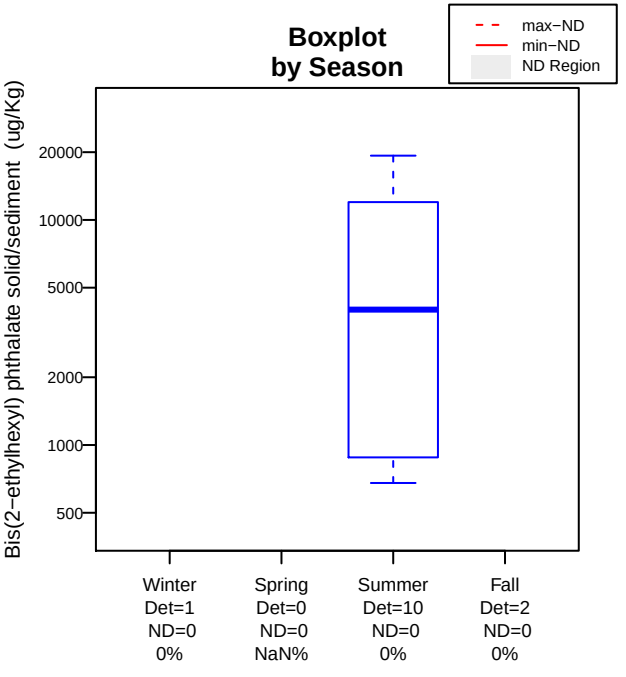


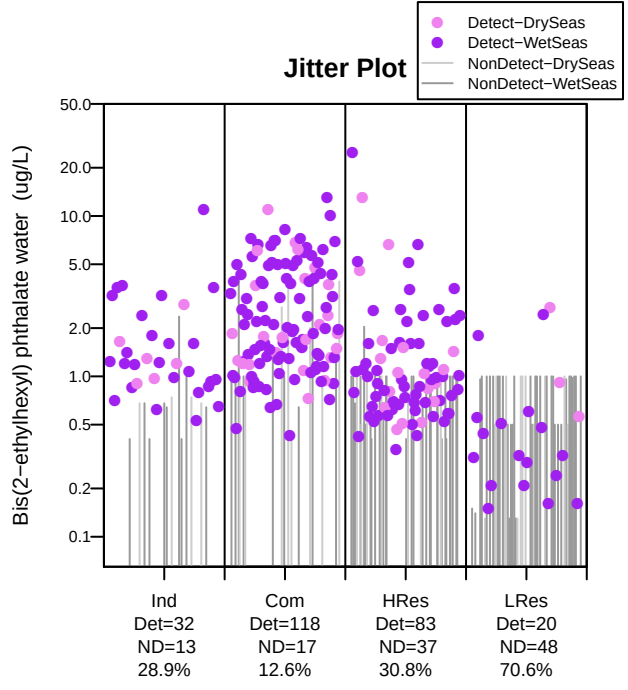


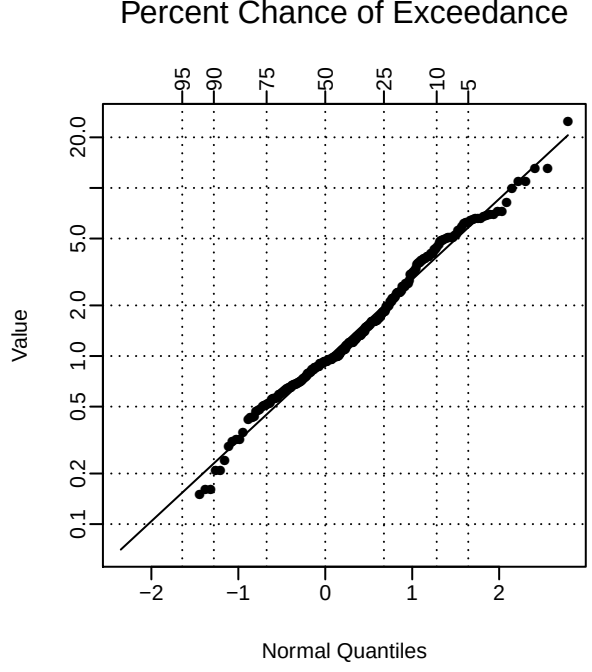
Not Plotted
(No Non−Detects)

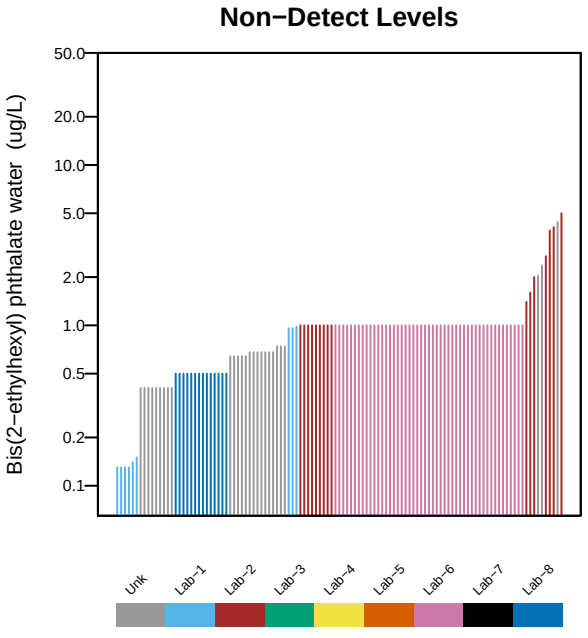


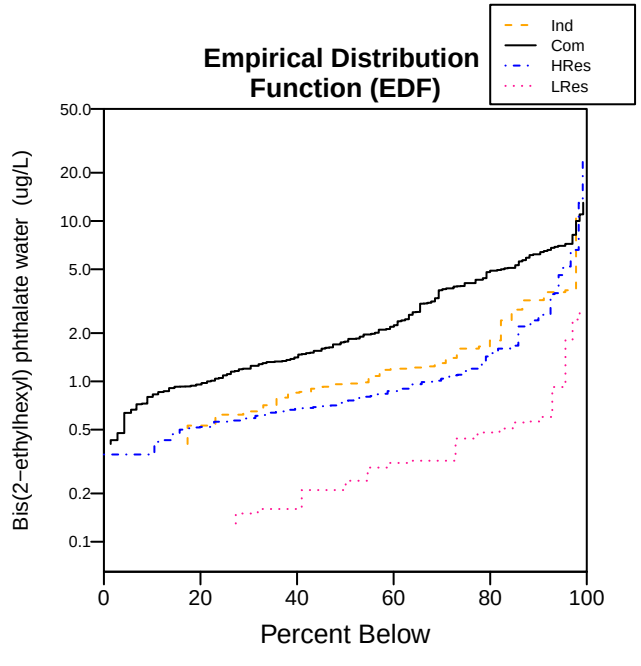


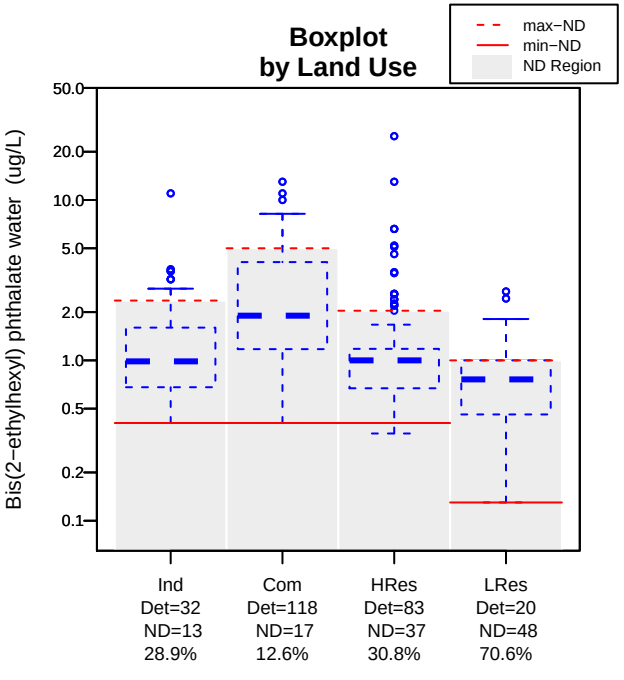


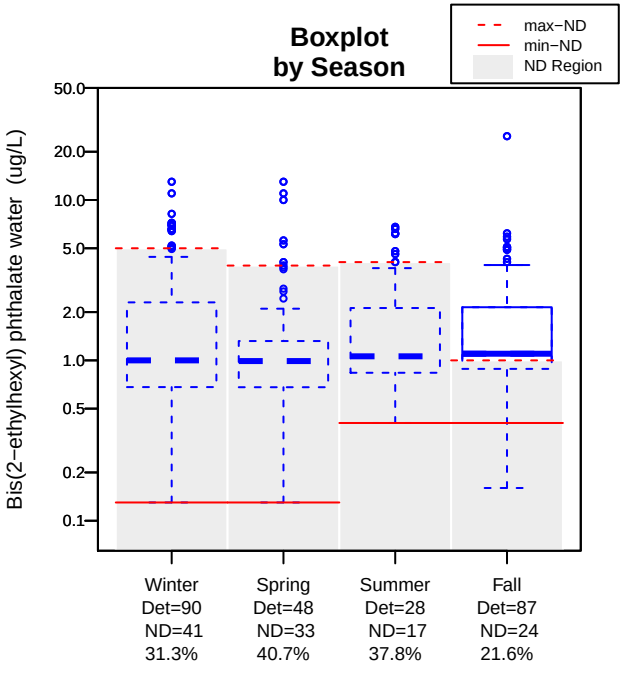

Jitter Plot
Detect−DrySeas
Detect−WetSeas
NonDetect−DrySeas
NonDetect−WetSeas
Bis(2−ethylhexyl) phthalate water (ug/L)
50.0
20.0
10.0
5.0
2.0
1.0
0.5
0.2
0.1
Ind
Det=32
ND=13
28.9%
Com
Det=118
ND=17
12.6%
HRes
Det=83
ND=37
30.8%
LRes
Det=20
ND=48
70.6%

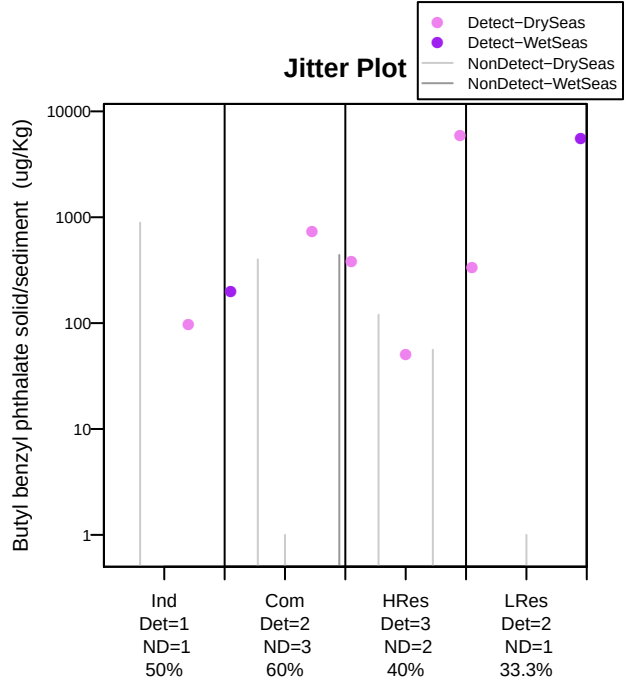

Percent Chance of Exceedance
95
90
75
50
25
10
5
Value
20.0
5.0
2.0
1.0
0.5
0.2
0.1
−2
−1
0
1
2
Normal Quantiles

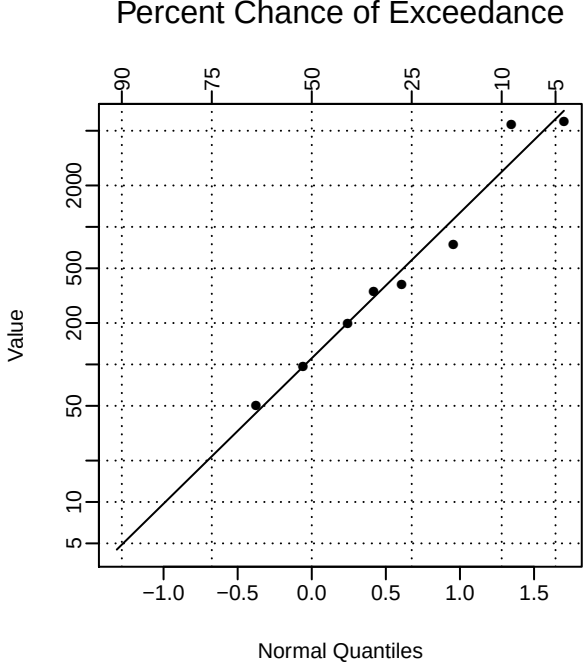

Non−Detect Levels
Bis(2−ethylhexyl) phthalate water (ug/L)
50.0
20.0
10.0
5.0
2.0
1.0
0.5
0.2
0.1
Unk
Lab−1
Lab−2
Lab−3
Lab−4
Lab−5
Lab−6
Lab−7
Lab−8

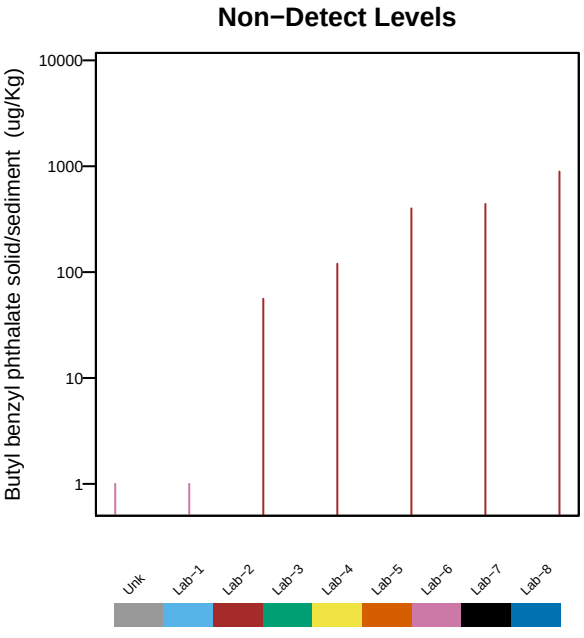

Empirical Distribution Function (EDF)
Ind
Com
HRes
LRes
Bis(2−ethylhexyl) phthalate water (ug/L)
50.0
20.0
10.0
5.0
2.0
1.0
0.5
0.2
0.1
0
20
40
60
80
100
Percent Below

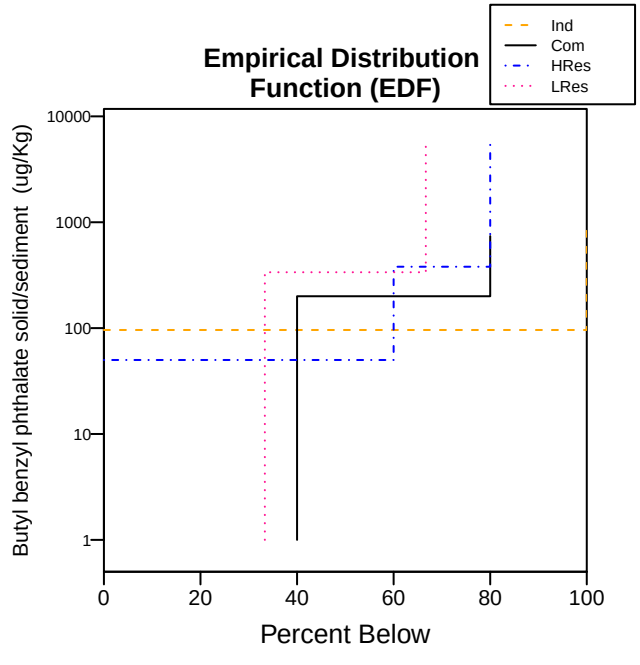

Boxplot by Land Use
max−ND
min−ND
ND Region
Bis(2−ethylhexyl) phthalate water (ug/L)
50.0
20.0
10.0
5.0
2.0
1.0
0.5
0.2
0.1
Ind
Det=32
ND=13
28.9%
Com
Det=118
ND=17
12.6%
HRes
Det=83
ND=37
30.8%
LRes
Det=20
ND=48
70.6%


Boxplot by Season
max−ND
min−ND
ND Region
Bis(2−ethylhexyl) phthalate water (ug/L)
50.0
20.0
10.0
5.0
2.0
1.0
0.5
0.2
0.1
Winter
Det=90
ND=41
31.3%
Spring
Det=48
ND=33
40.7%
Summer
Det=28
ND=17
37.8%
Fall
Det=87
ND=24
21.6%

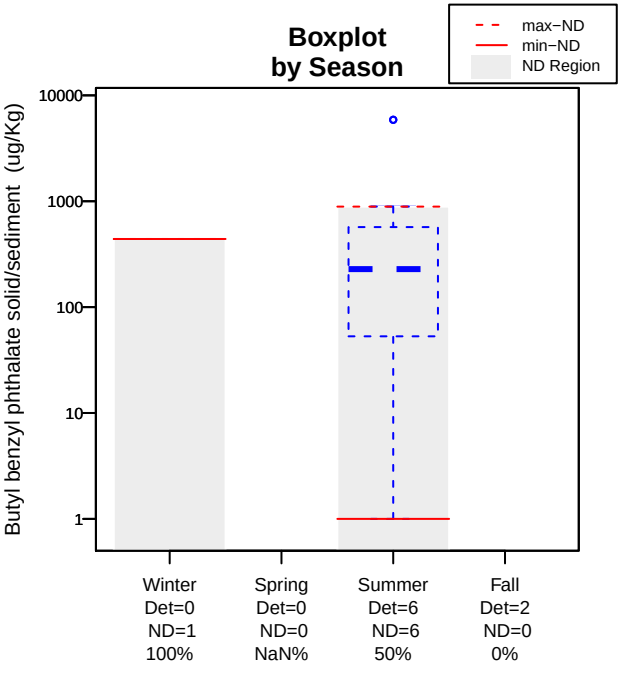


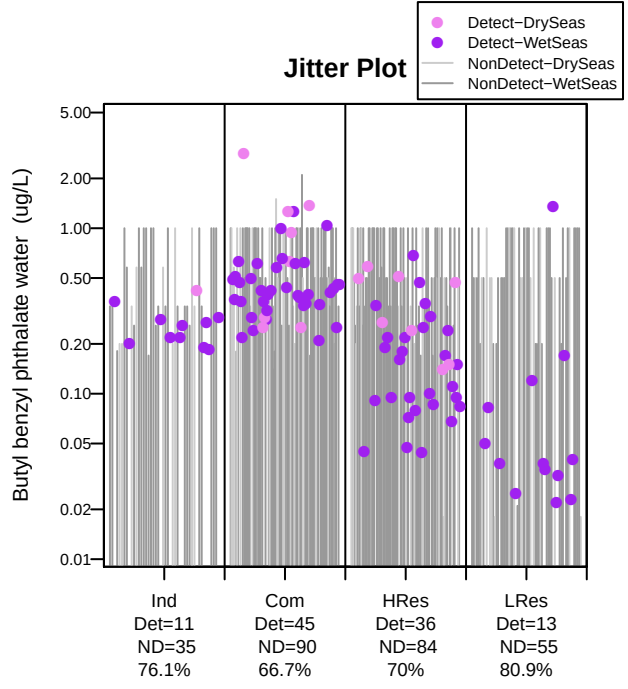


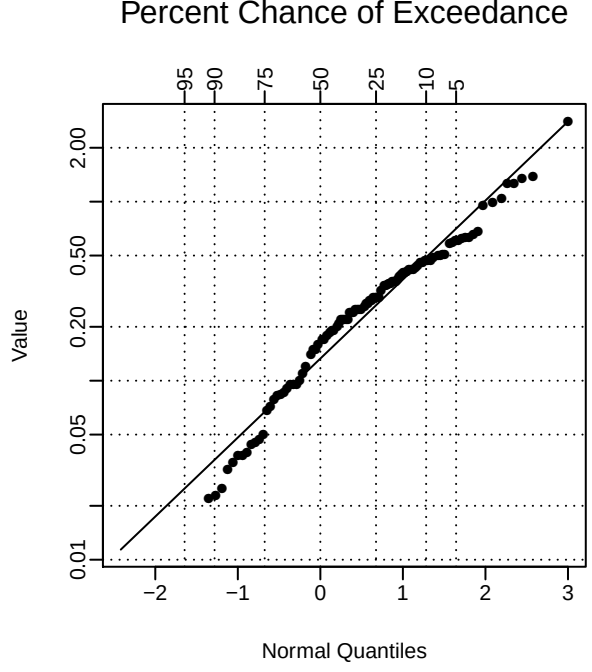


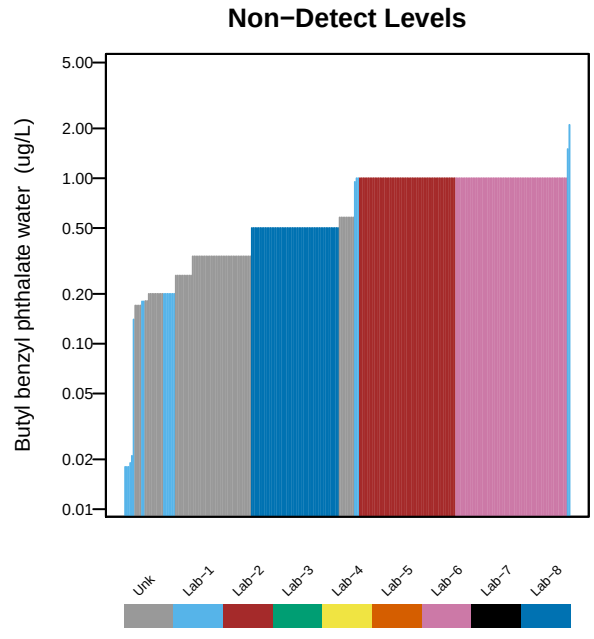


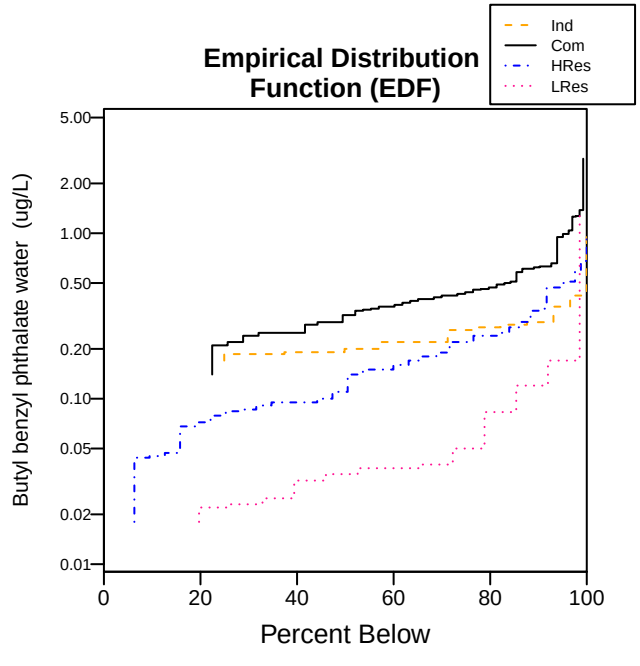
Not Plotted
(No land use has 5 or more detections)

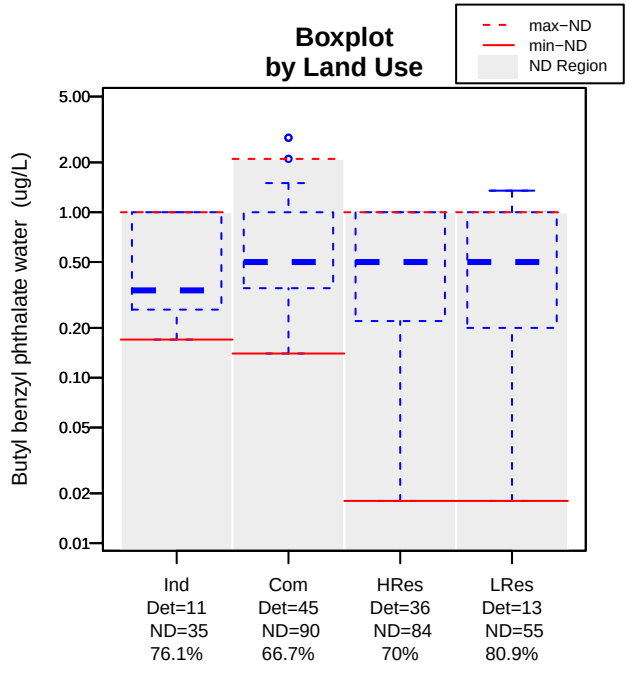


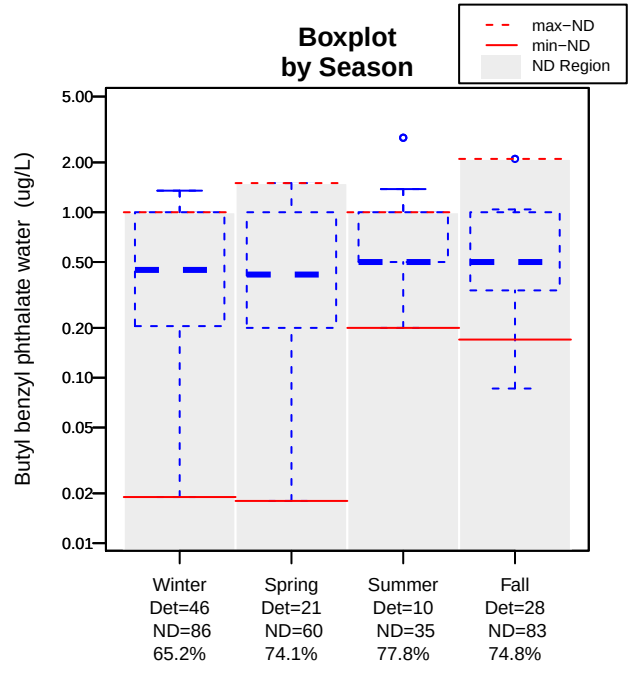

Jitter Plot
Detect−DrySeas
Detect−WetSeas
NonDetect−DrySeas
NonDetect−WetSeas
Butyl benzyl phthalate water (ug/L)
5.00
2.00
1.00
0.50
0.20
0.10
0.05
0.02
0.01
Ind
Det=11
ND=35
76.1%
Com
Det=45
ND=90
66.7%
HRes
Det=36
ND=84
70%
LRes
Det=13
ND=55
80.9%

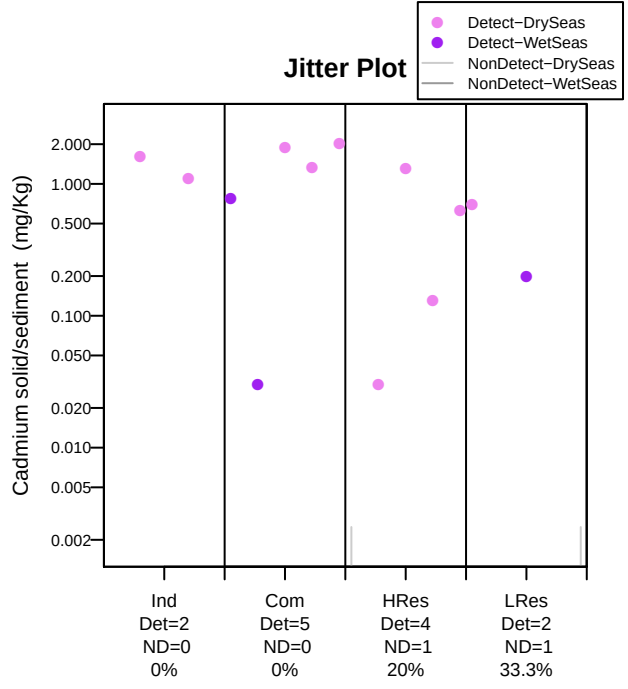

Percent Chance of Exceedance
95
90
75
50
25
10
5
Value
2.00
0.50
0.20
0.05
0.01
−2
−1
0
1
2
3
Normal Quantiles

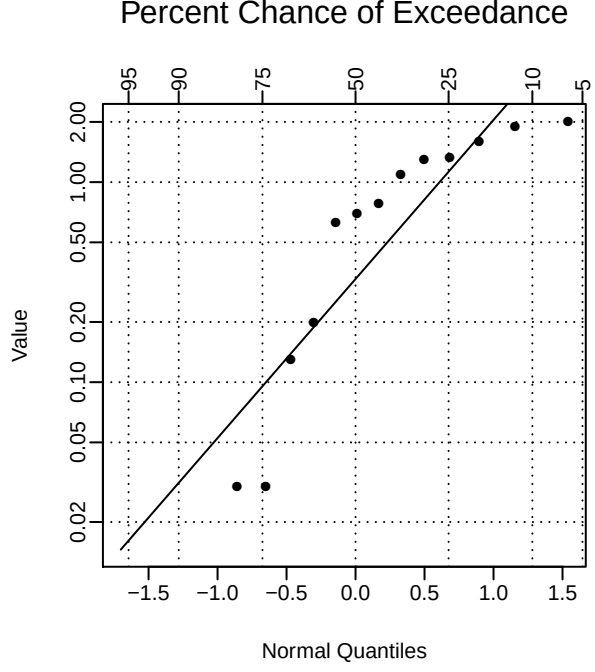

Non−Detect Levels
Butyl benzyl phthalate water (ug/L)
5.00
2.00
1.00
0.50
0.20
0.10
0.05
0.02
0.01
Unk
Lab−1
Lab−2
Lab−3
Lab−4
Lab−5
Lab−6
Lab−7
Lab−8

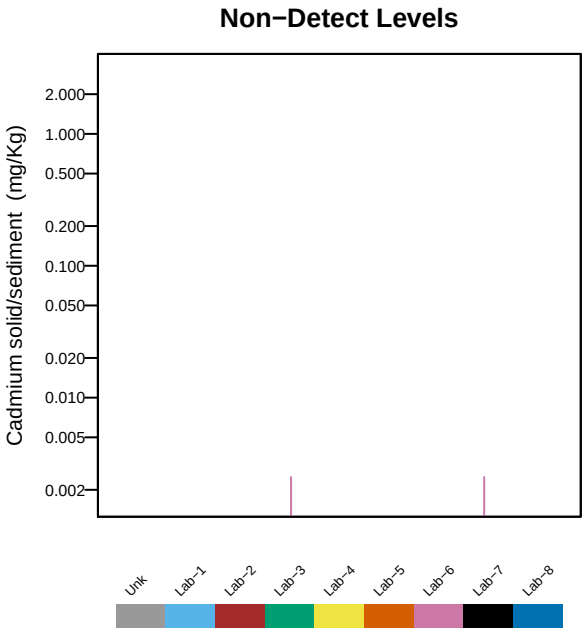

Empirical Distribution Function (EDF)
Ind
Com
HRes
LRes
Butyl benzyl phthalate water (ug/L)
5.00
2.00
1.00
0.50
0.20
0.10
0.05
0.02
0.01
0
20
40
60
80
100
Percent Below

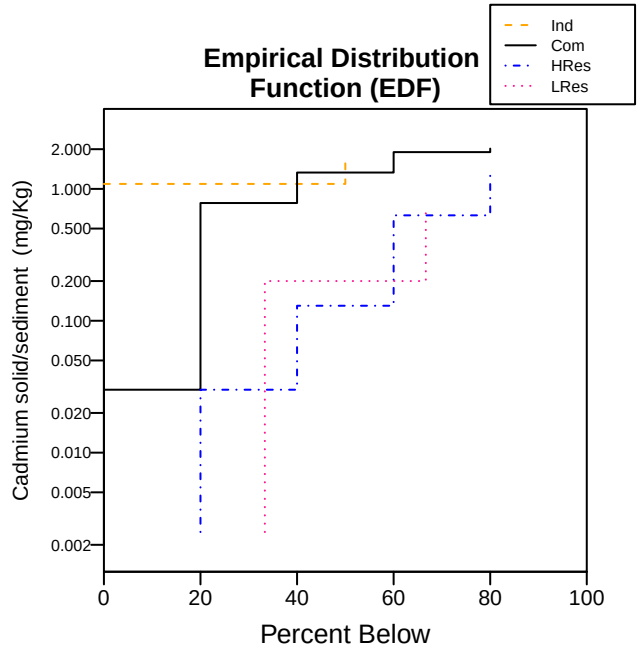

Boxplot by Land Use
max−ND
min−ND
ND Region
Butyl benzyl phthalate water (ug/L)
5.00
2.00
1.00
0.50
0.20
0.10
0.05
0.02
0.01
Ind
Det=11
ND=35
76.1%
Com
Det=45
ND=90
66.7%
HRes
Det=36
ND=84
70%
LRes
Det=13
ND=55
80.9%

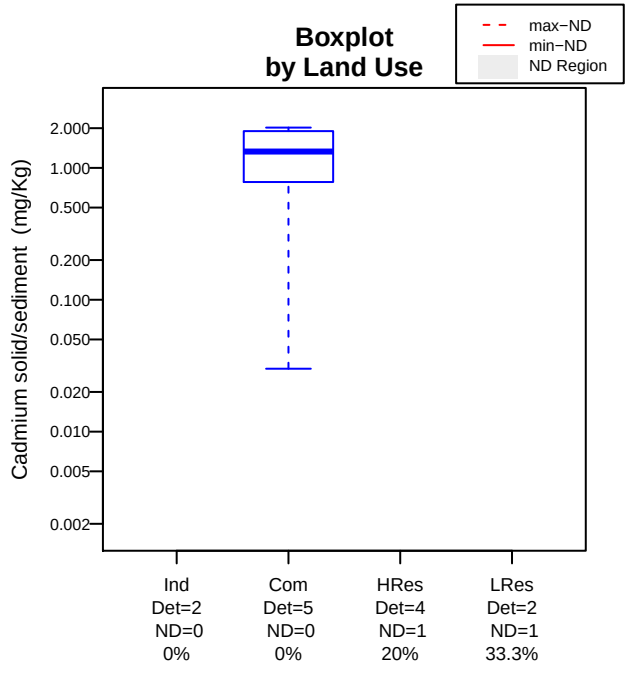

Boxplot by Season
max−ND
min−ND
ND Region
Butyl benzyl phthalate water (ug/L)
5.00
2.00
1.00
0.50
0.20
0.10
0.05
0.02
0.01
Winter
Det=46
ND=86
65.2%
Spring
Det=21
ND=60
74.1%
Summer
Det=10
ND=35
77.8%
Fall
Det=28
ND=83
74.8%

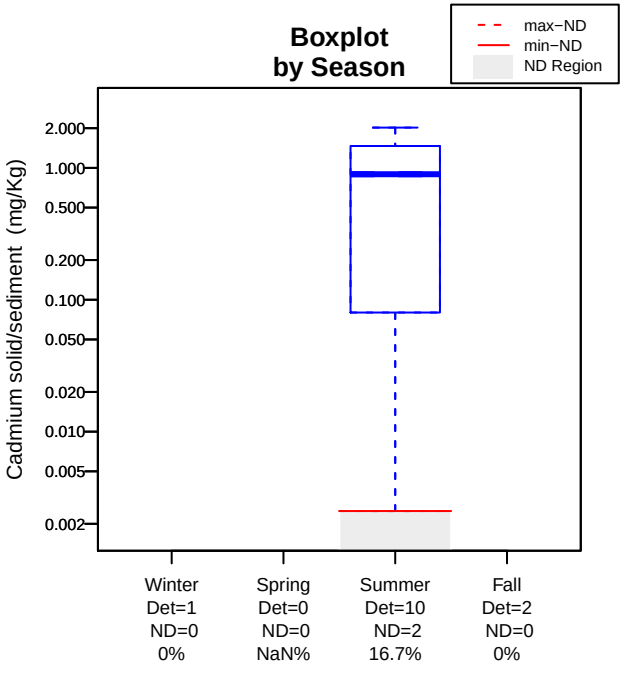

Jitter Plot
Detect−DrySeas
Detect−WetSeas
NonDetect−DrySeas
NonDetect−WetSeas
Cadmium solid/sediment (mg/Kg)
2.000
1.000
0.500
0.200
0.100
0.050
0.020
0.010
0.005
0.002
Ind
Det=2
ND=0
0%
Com
Det=5
ND=0
0%
HRes
Det=4
ND=1
20%
LRes
Det=2
ND=1
33.3%

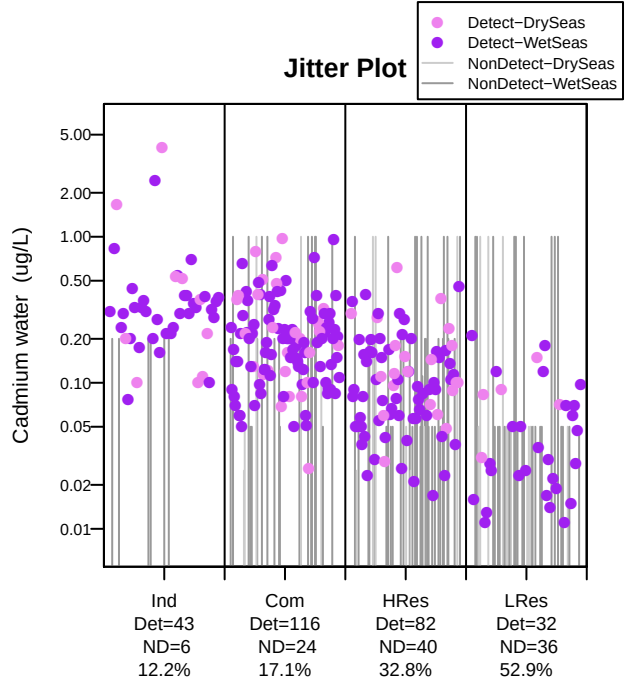

Percent Chance of Exceedance
95
90
75
50
25
10
5
Value
2.00
1.00
0.50
0.20
0.10
0.05
0.02
−1.5
−1.0
−0.5
0.0
0.5
1.0
1.5
Normal Quantiles

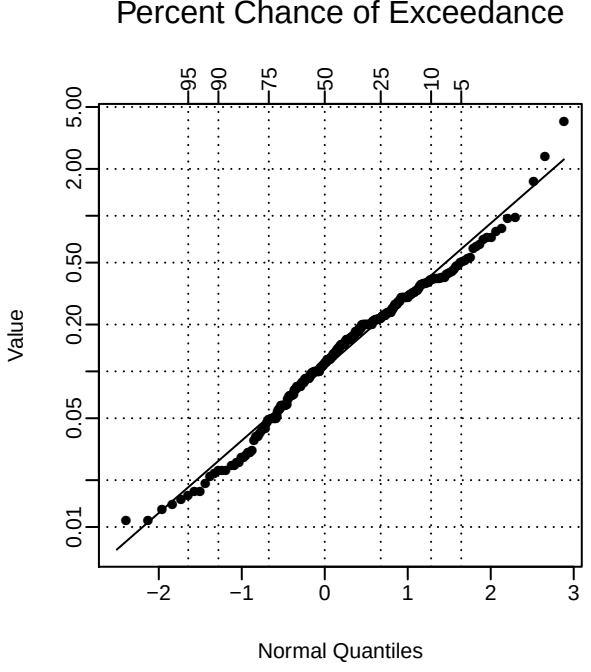

Non−Detect Levels
Cadmium solid/sediment (mg/Kg)
2.000
1.000
0.500
0.200
0.100
0.050
0.020
0.010
0.005
0.002
Unk
Lab−1
Lab−2
Lab−3
Lab−4
Lab−5
Lab−6
Lab−7
Lab−8

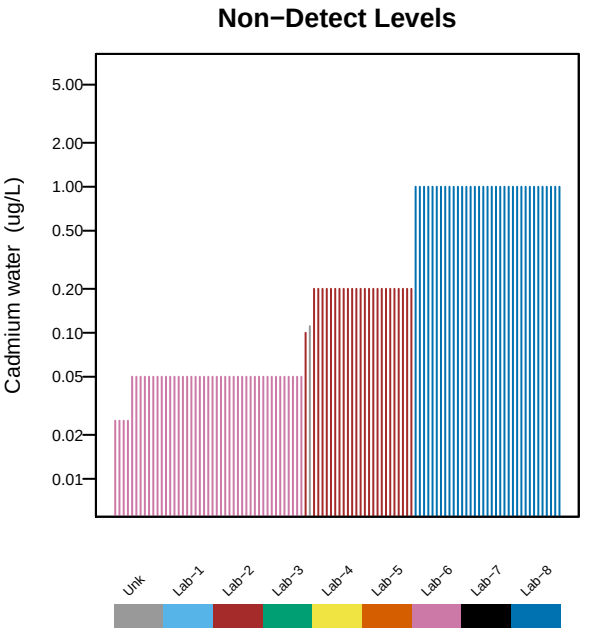

Empirical Distribution Function (EDF)
Ind
Com
HRes
LRes
Cadmium solid/sediment (mg/Kg)
2.000
1.000
0.500
0.200
0.100
0.050
0.020
0.010
0.005
0.002
0
20
40
60
80
100
Percent Below

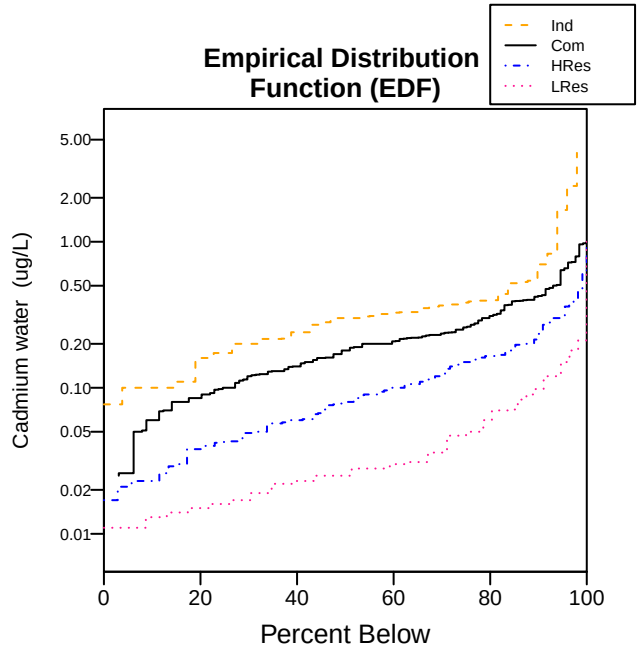

Boxplot by Land Use
max−ND
min−ND
ND Region
Cadmium solid/sediment (mg/Kg)
2.000
1.000
0.500
0.200
0.100
0.050
0.020
0.010
0.005
0.002
Ind
Det=2
ND=0
0%
Com
Det=5
ND=0
0%
HRes
Det=4
ND=1
20%
LRes
Det=2
ND=1
33.3%

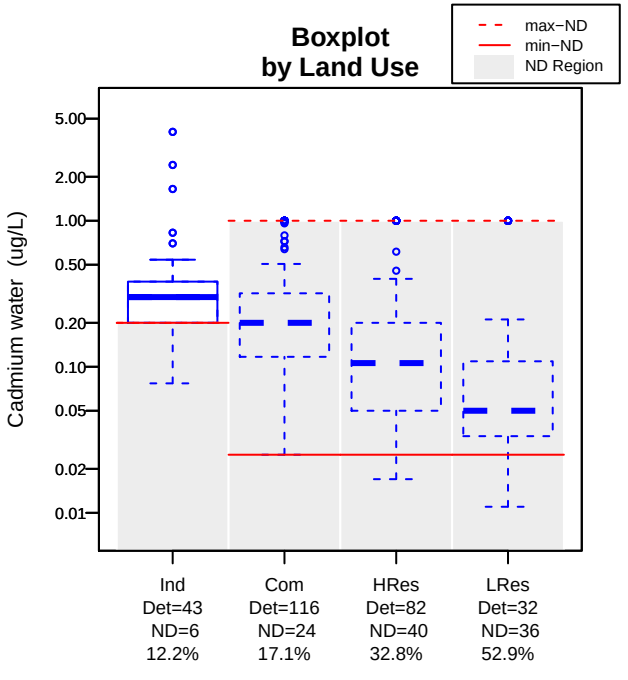

Boxplot by Season
max−ND
min−ND
ND Region
Cadmium solid/sediment (mg/Kg)
2.000
1.000
0.500
0.200
0.100
0.050
0.020
0.010
0.005
0.002
Winter
Det=1
ND=0
0%
Spring
Det=0
ND=0
NaN%
Summer
Det=10
ND=2
16.7%
Fall
Det=2
ND=0
0%

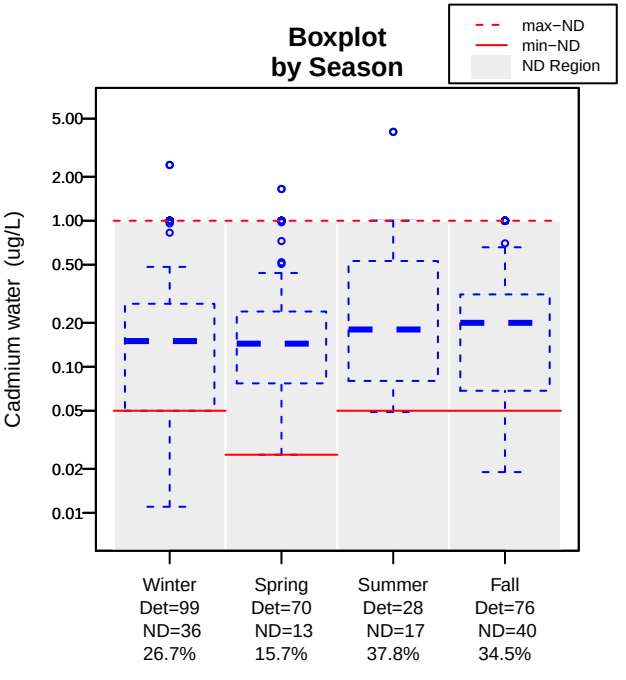

Jitter Plot
Detect−DrySeas
Detect−WetSeas
NonDetect−DrySeas
NonDetect−WetSeas
Cadmium water (ug/L)
5.00
2.00
1.00
0.50
0.20
0.10
0.05
0.02
0.01
Ind
Det=43
ND=6
12.2%
Com
Det=116
ND=24
17.1%
HRes
Det=82
ND=40
32.8%
LRes
Det=32
ND=36
52.9%

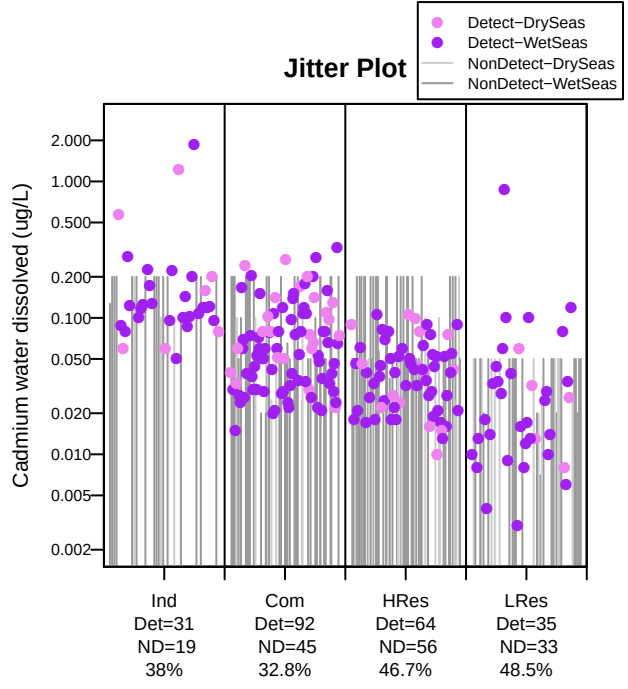

Percent Chance of Exceedance
95
90
75
50
25
10
5
Value
5.00
2.00
0.50
0.20
0.05
0.01
−2
−1
0
1
2
3
Normal Quantiles

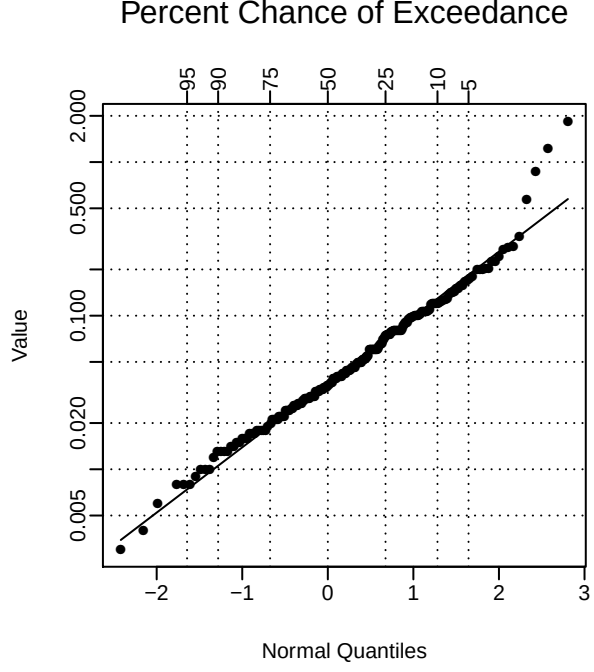

Non−Detect Levels
Cadmium water (ug/L)
5.00
2.00
1.00
0.50
0.20
0.10
0.05
0.02
0.01
Unk
Lab−1
Lab−2
Lab−3
Lab−4
Lab−5
Lab−6
Lab−7
Lab−8

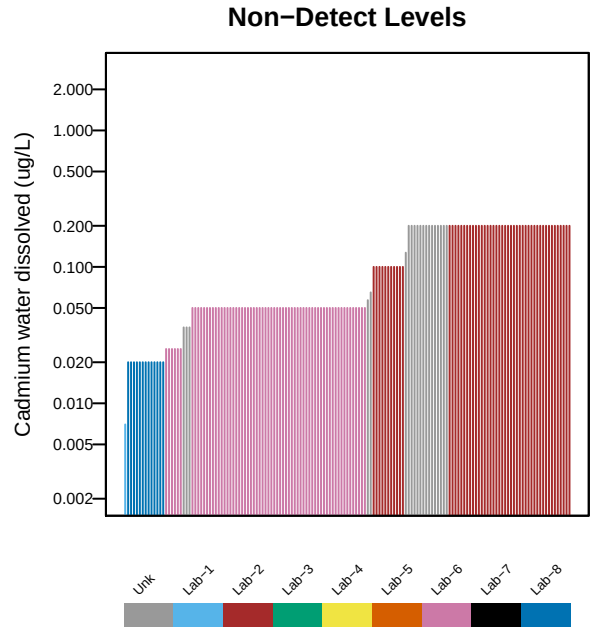

Empirical Distribution Function (EDF)
Ind
Com
HRes
LRes
Cadmium water (ug/L)
5.00
2.00
1.00
0.50
0.20
0.10
0.05
0.02
0.01
0
20
40
60
80
100
Percent Below

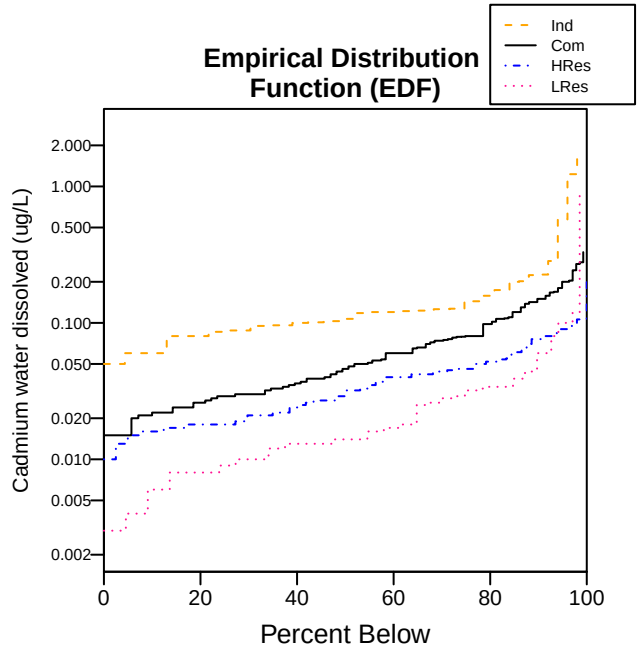

Boxplot by Land Use
max−ND
min−ND
ND Region
Cadmium water (ug/L)
5.00
2.00
1.00
0.50
0.20
0.10
0.05
0.02
0.01
Ind
Det=43
ND=6
12.2%
Com
Det=116
ND=24
17.1%
HRes
Det=82
ND=40
32.8%
LRes
Det=32
ND=36
52.9%

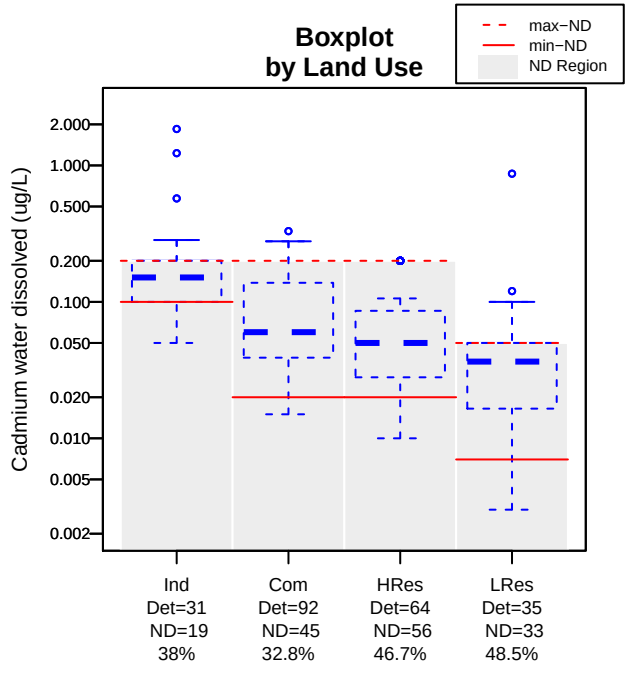

Boxplot by Season
max−ND
min−ND
ND Region
Cadmium water (ug/L)
5.00
2.00
1.00
0.50
0.20
0.10
0.05
0.02
0.01
Winter
Det=99
ND=36
26.7%
Spring
Det=70
ND=13
15.7%
Summer
Det=28
ND=17
37.8%
Fall
Det=76
ND=40
34.5%

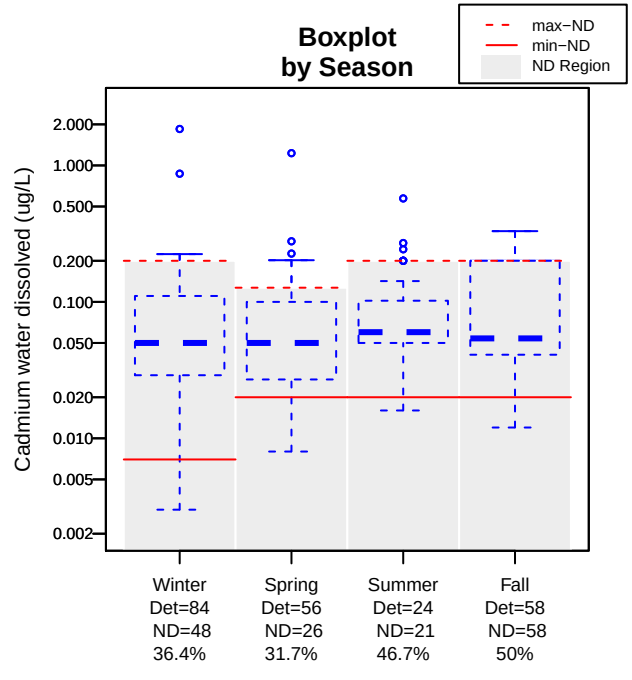

Jitter Plot
Detect−DrySeas
Detect−WetSeas
NonDetect−DrySeas
NonDetect−WetSeas
Cadmium water dissolved (ug/L)
2.000
1.000
0.500
0.200
0.100
0.050
0.020
0.010
0.005
0.002
Ind
Det=31
ND=19
38%
Com
Det=92
ND=45
32.8%
HRes
Det=64
ND=56
46.7%
LRes
Det=35
ND=33
48.5%

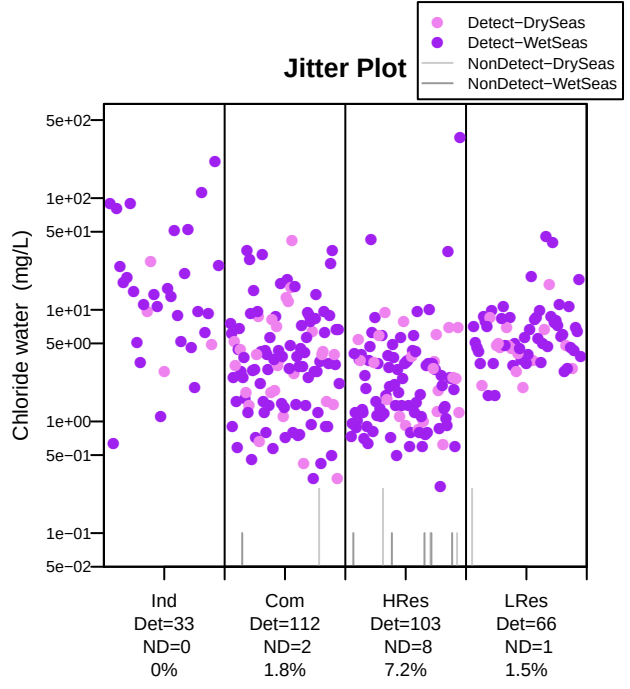

Percent Chance of Exceedance
95
90
75
50
25
10
5
Value
2.000
0.500
0.100
0.020
0.005
−2
−1
0
1
2
3
Normal Quantiles

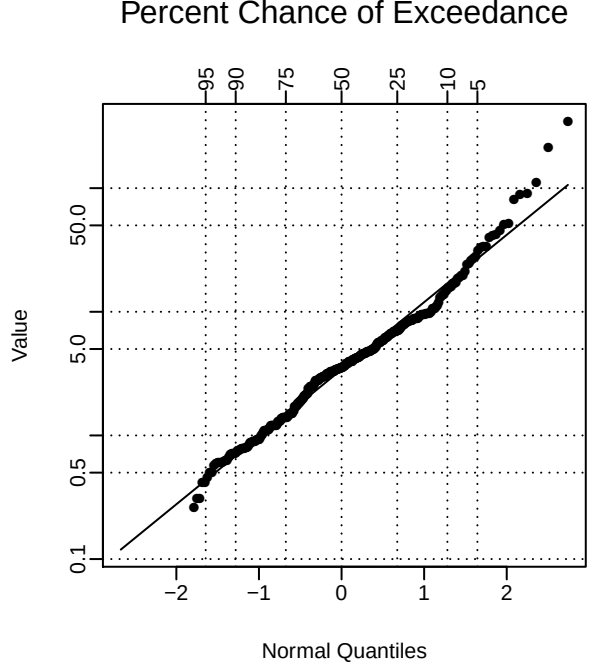

Non−Detect Levels
Cadmium water dissolved (ug/L)
2.000
1.000
0.500
0.200
0.100
0.050
0.020
0.010
0.005
0.002
Unk
Lab−1
Lab−2
Lab−3
Lab−4
Lab−5
Lab−6
Lab−7
Lab−8

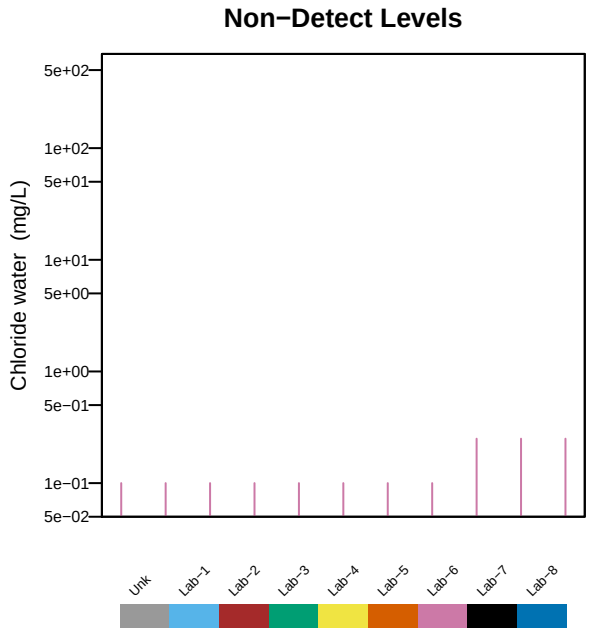

Empirical Distribution Function (EDF)
Ind
Com
HRes
LRes
Cadmium water dissolved (ug/L)
2.000
1.000
0.500
0.200
0.100
0.050
0.020
0.010
0.005
0.002
0
20
40
60
80
100
Percent Below

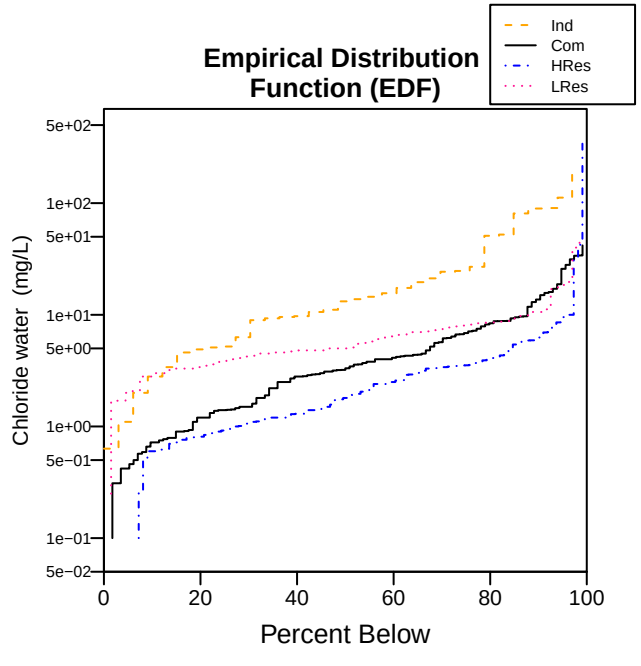

Boxplot by Land Use
max−ND
min−ND
ND Region
Cadmium water dissolved (ug/L)
2.000
1.000
0.500
0.200
0.100
0.050
0.020
0.010
0.005
0.002
Ind
Det=31
ND=19
38%
Com
Det=92
ND=45
32.8%
HRes
Det=64
ND=56
46.7%
LRes
Det=35
ND=33
48.5%

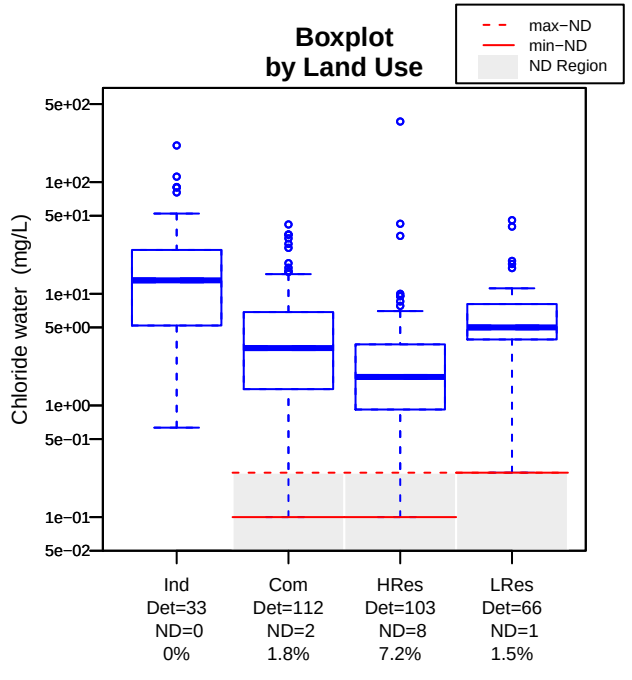

Boxplot by Season
max−ND
min−ND
ND Region
Cadmium water dissolved (ug/L)
2.000
1.000
0.500
0.200
0.100
0.050
0.020
0.010
0.005
0.002
Winter
Det=84
ND=48
36.4%
Spring
Det=56
ND=26
31.7%
Summer
Det=24
ND=21
46.7%
Fall
Det=58
ND=58
50%

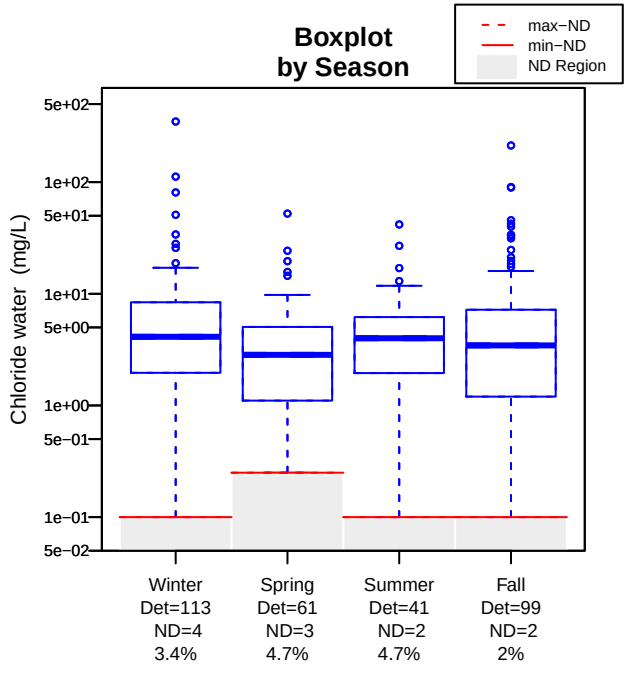

Jitter Plot
Detect−DrySeas
Detect−WetSeas
NonDetect−DrySeas
NonDetect−WetSeas
Chloride water (mg/L)
5e+02
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
Ind
Det=33
ND=0
0%
Com
Det=112
ND=2
1.8%
HRes
Det=103
ND=8
7.2%
LRes
Det=66
ND=1
1.5%

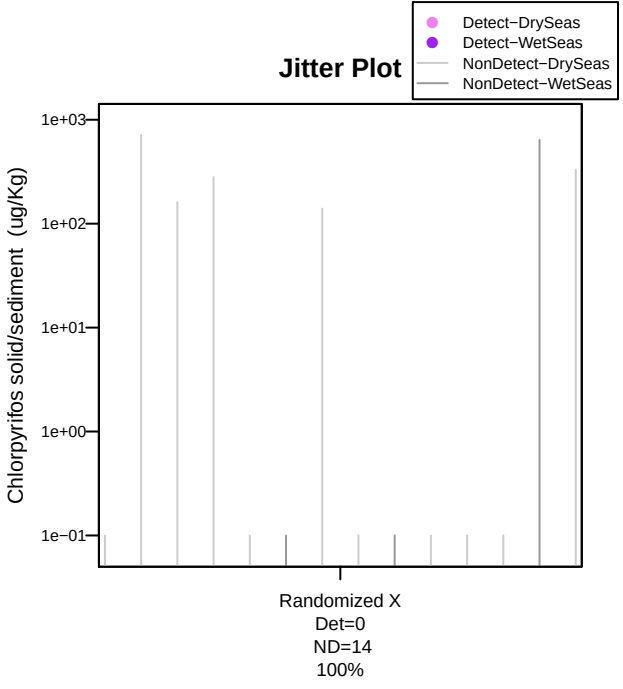

Percent Chance of Exceedance
95
90
75
50
25
10
5
Value
50.0
5.0
0.5
0.1
−2
−1
0
1
2
Normal Quantiles


Non−Detect Levels
Chloride water (mg/L)
5e+02
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
Unk
Lab−1
Lab−2
Lab−3
Lab−4
Lab−5
Lab−6
Lab−7
Lab−8

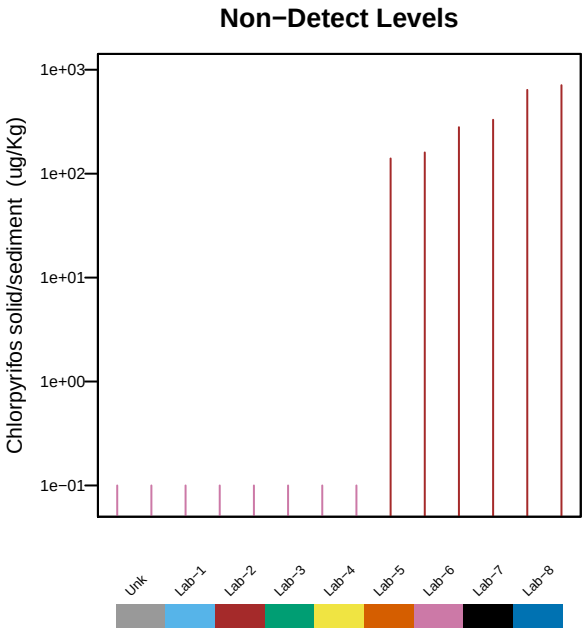

Empirical Distribution Function (EDF)
Ind
Com
HRes
LRes
Chloride water (mg/L)
5e+02
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
0
20
40
60
80
100
Percent Below


Boxplot by Land Use
max−ND
min−ND
ND Region
Chloride water (mg/L)
5e+02
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
Ind
Det=33
ND=0
0%
Com
Det=112
ND=2
1.8%
HRes
Det=103
ND=8
7.2%
LRes
Det=66
ND=1
1.5%


Boxplot by Season
max−ND
min−ND
ND Region
Chloride water (mg/L)
5e+02
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
Winter
Det=113
ND=4
3.4%
Spring
Det=61
ND=3
4.7%
Summer
Det=41
ND=2
4.7%
Fall
Det=99
ND=2
2%



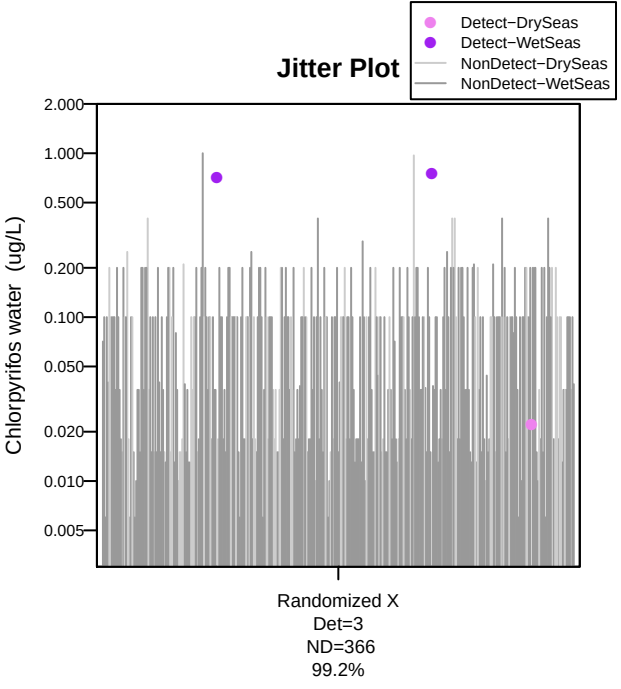
Not Plotted
(Case C)



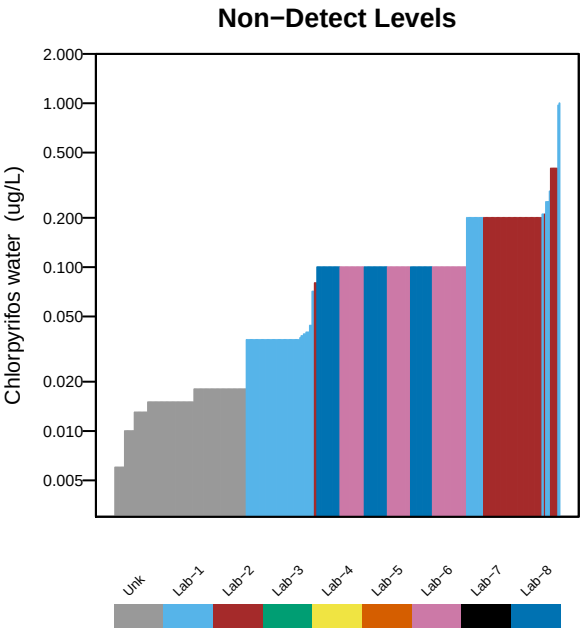
Not Plotted
(Less than 5 detections)

Not Plotted
(Case C)

Not Plotted
(Case C)



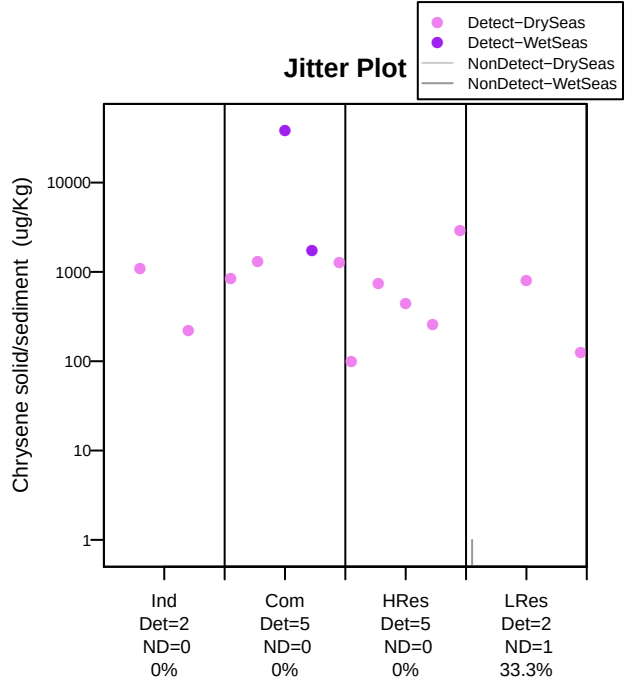
Not Plotted
(Case C)

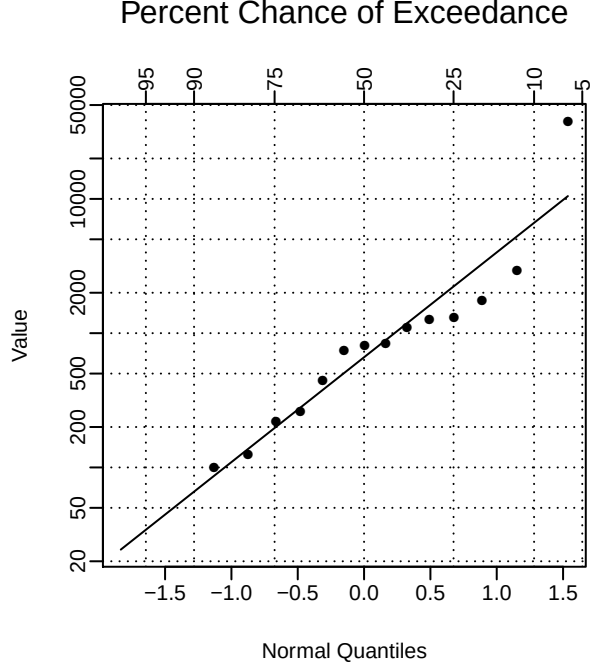


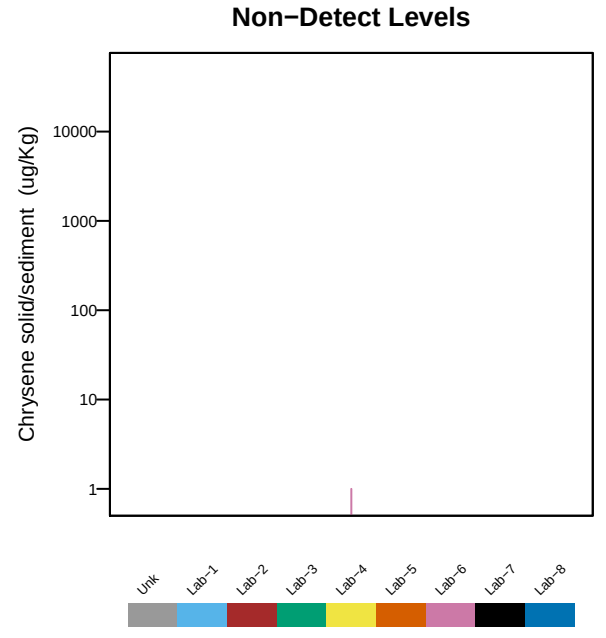
Not Plotted
(Less than 5 detections)

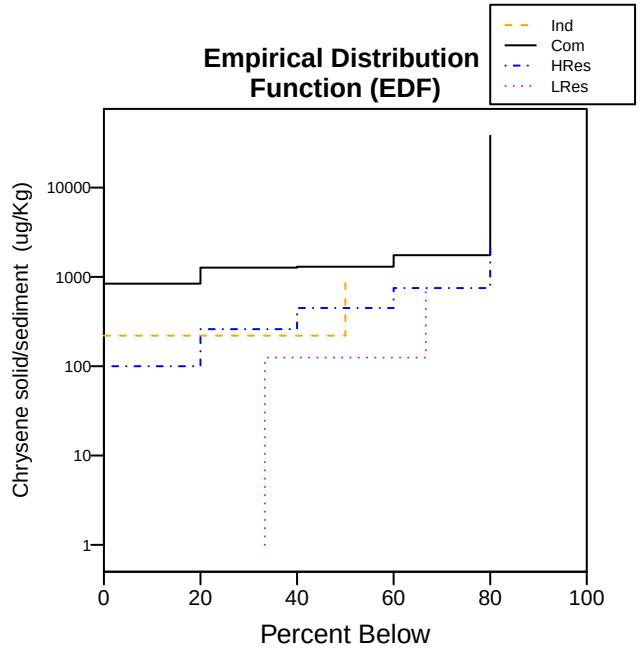
Not Plotted
(Case C)

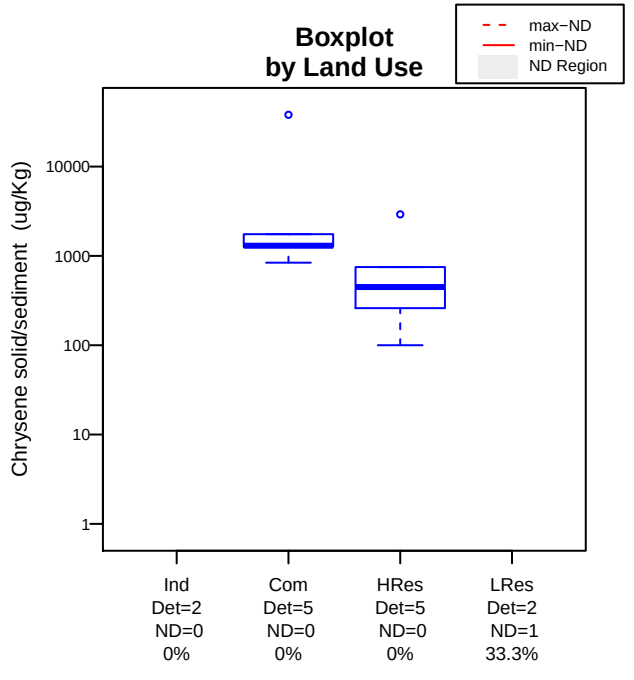
Not Plotted
(Case C)

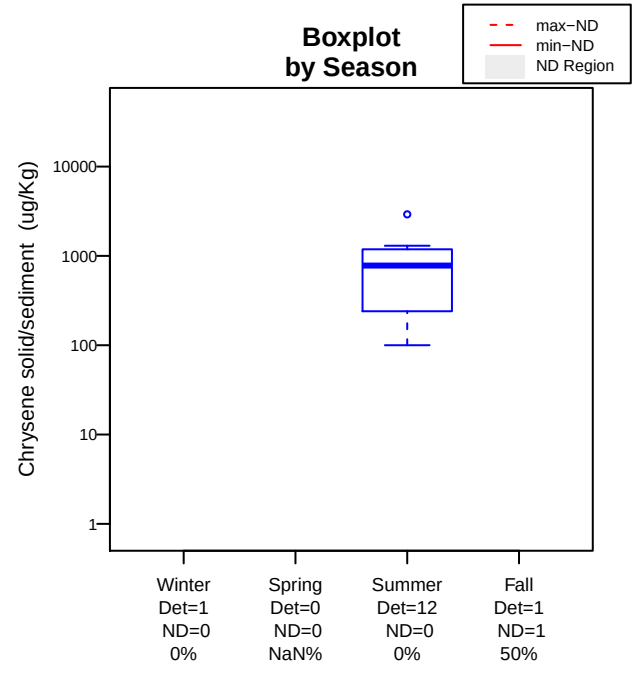

Jitter Plot
Detect−DrySeas
Detect−WetSeas
NonDetect−DrySeas
NonDetect−WetSeas
Chrysene solid/sediment (ug/Kg)
10000
1000
100
10
1
Ind
Det=2
ND=0
0%
Com
Det=5
ND=0
0%
HRes
Det=5
ND=0
0%
LRes
Det=2
ND=1
33.3%

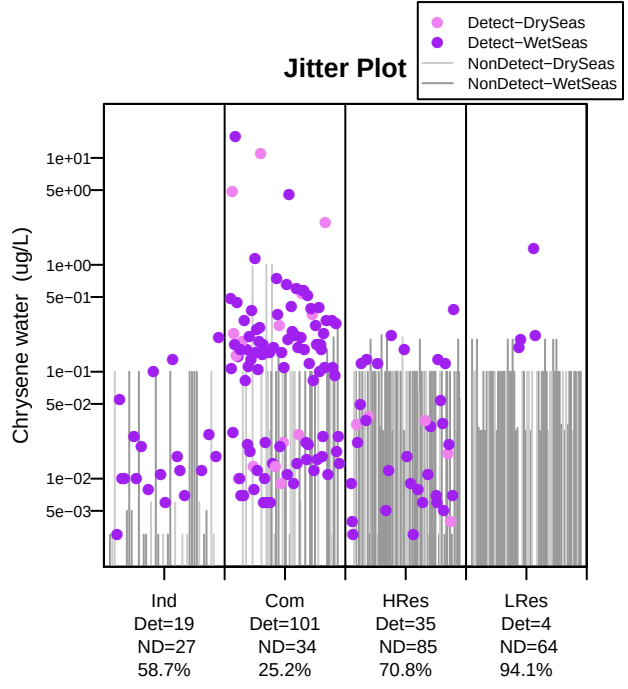

Percent Chance of Exceedance
95
90
75
50
25
10
5
Value
50000
10000
2000
500
200
50
20
−1.5
−1.0
−0.5
0.0
0.5
1.0
1.5
Normal Quantiles

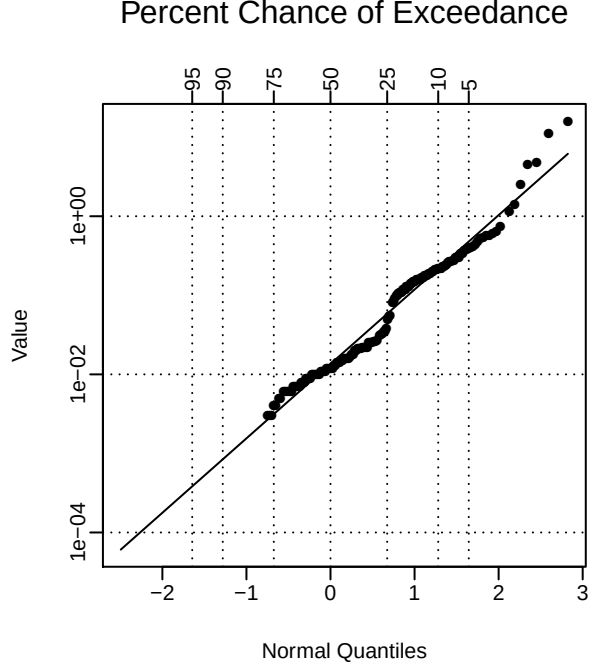

Non−Detect Levels
Chrysene solid/sediment (ug/Kg)
10000
1000
100
10
1
Unk
Lab−1
Lab−2
Lab−3
Lab−4
Lab−5
Lab−6
Lab−7
Lab−8

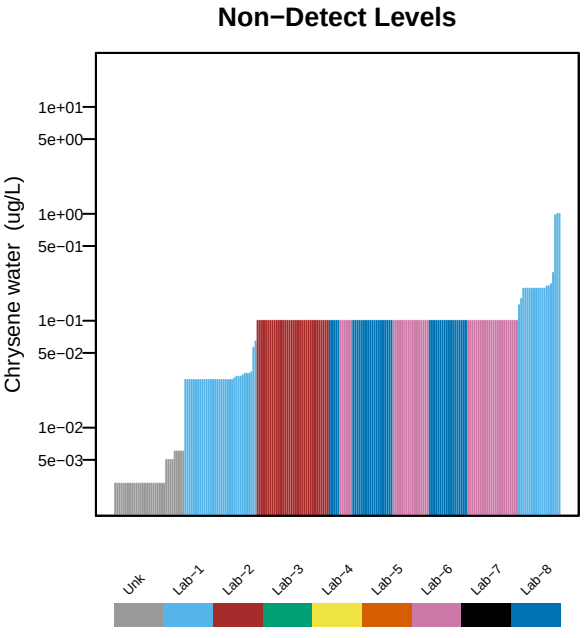

Empirical Distribution
Function (EDF)
Ind
Com
HRes
LRes
Chrysene solid/sediment (ug/Kg)
10000
1000
100
10
1
0
20
40
60
80
100
Percent Below

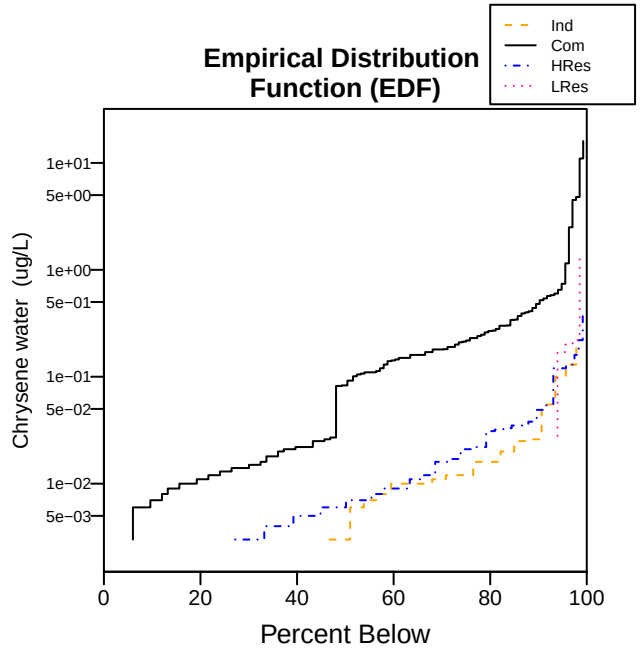

Boxplot
by Land Use
max−ND
min−ND
ND Region
Chrysene solid/sediment (ug/Kg)
10000
1000
100
10
1
Ind
Det=2
ND=0
0%
Com
Det=5
ND=0
0%
HRes
Det=5
ND=0
0%
LRes
Det=2
ND=1
33.3%

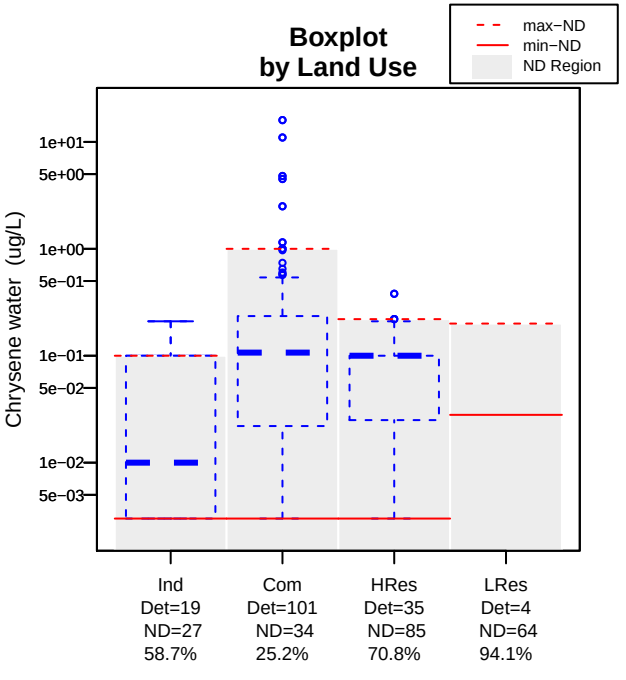

Boxplot
by Season
max−ND
min−ND
ND Region
Chrysene solid/sediment (ug/Kg)
10000
1000
100
10
1
Winter
Det=1
ND=0
0%
Spring
Det=0
ND=0
NaN%
Summer
Det=12
ND=0
0%
Fall
Det=1
ND=1
50%

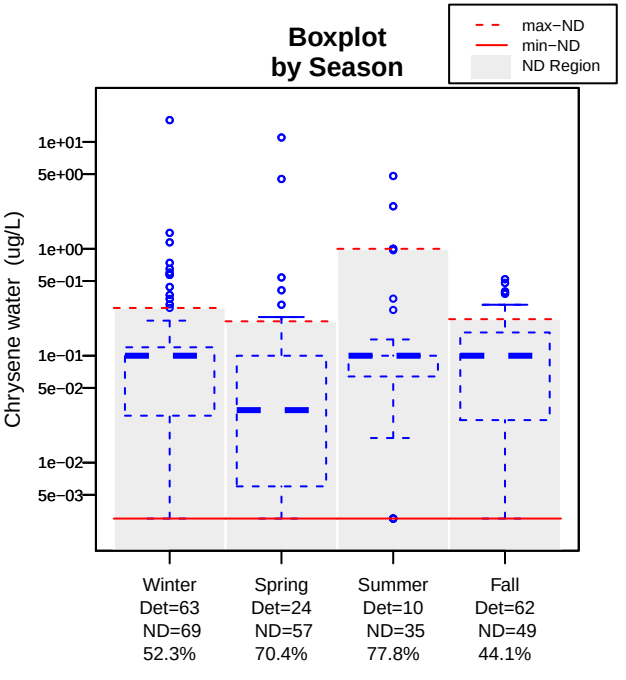

Jitter Plot
Detect−DrySeas
Detect−WetSeas
NonDetect−DrySeas
NonDetect−WetSeas
Chrysene water (ug/L)
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
1e−02
5e−03
Ind
Det=19
ND=27
58.7%
Com
Det=101
ND=34
25.2%
HRes
Det=35
ND=85
70.8%
LRes
Det=4
ND=64
94.1%

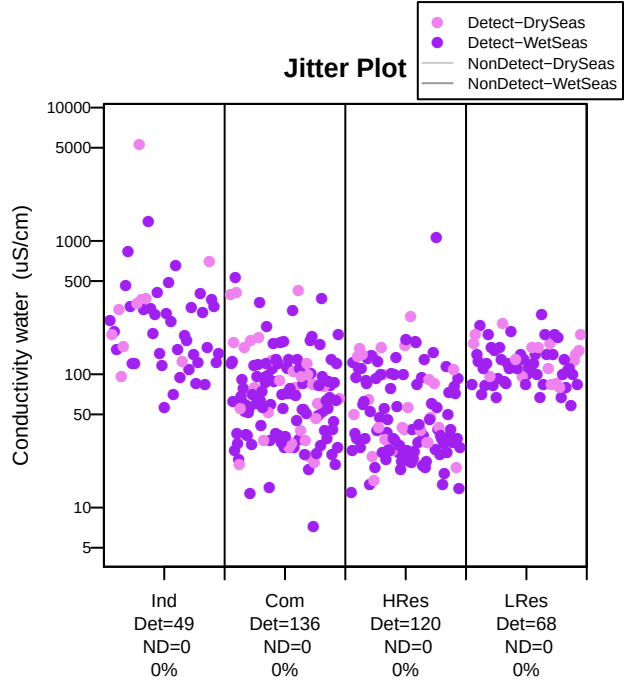

Percent Chance of Exceedance
95
90
75
50
25
10
5
Value
1e+00
1e−02
1e−04
−2
−1
0
1
2
3
Normal Quantiles

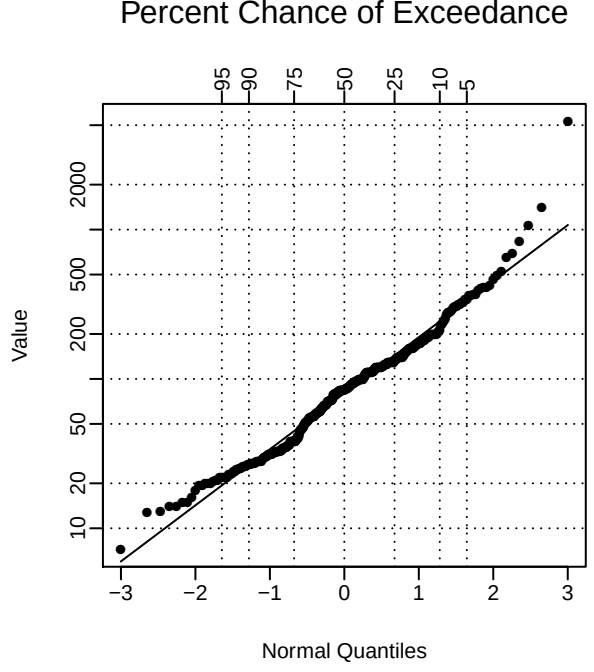

Non−Detect Levels
Chrysene water (ug/L)
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
1e−02
5e−03
Unk
Lab−1
Lab−2
Lab−3
Lab−4
Lab−5
Lab−6
Lab−7
Lab−8


Empirical Distribution Function (EDF)
Ind
Com
HRes
LRes
Chrysene water (ug/L)
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
1e−02
5e−03
0
20
40
60
80
100
Percent Below

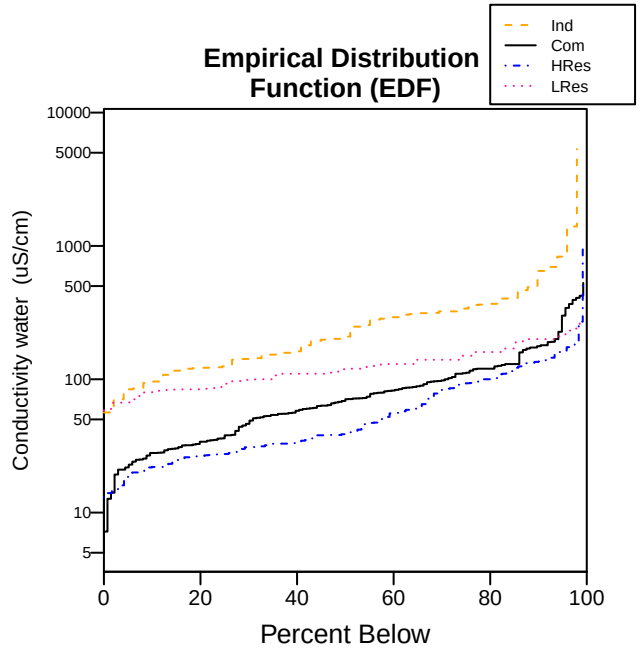

Boxplot by Land Use
max−ND
min−ND
ND Region
Chrysene water (ug/L)
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
1e−02
5e−03
Ind
Det=19
ND=27
58.7%
Com
Det=101
ND=34
25.2%
HRes
Det=35
ND=85
70.8%
LRes
Det=4
ND=64
94.1%

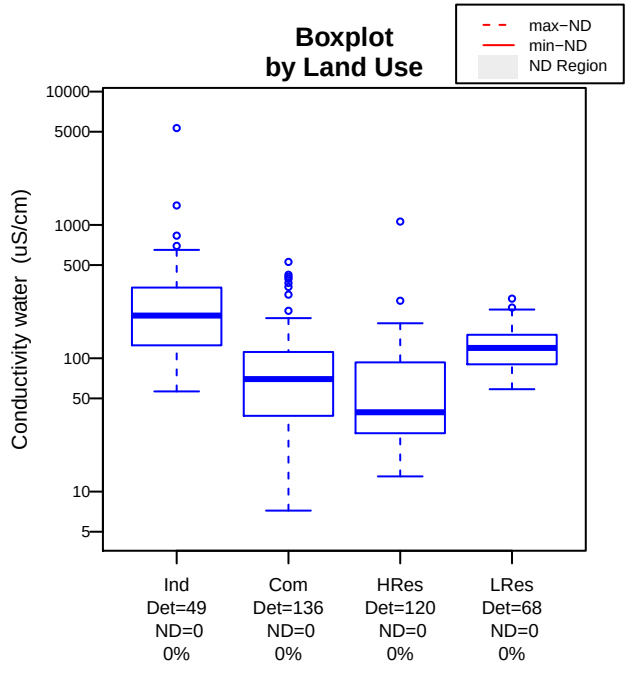

Boxplot by Season
max−ND
min−ND
ND Region
Chrysene water (ug/L)
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
1e−02
5e−03
Winter
Det=63
ND=69
52.3%
Spring
Det=24
ND=57
70.4%
Summer
Det=10
ND=35
77.8%
Fall
Det=62
ND=49
44.1%

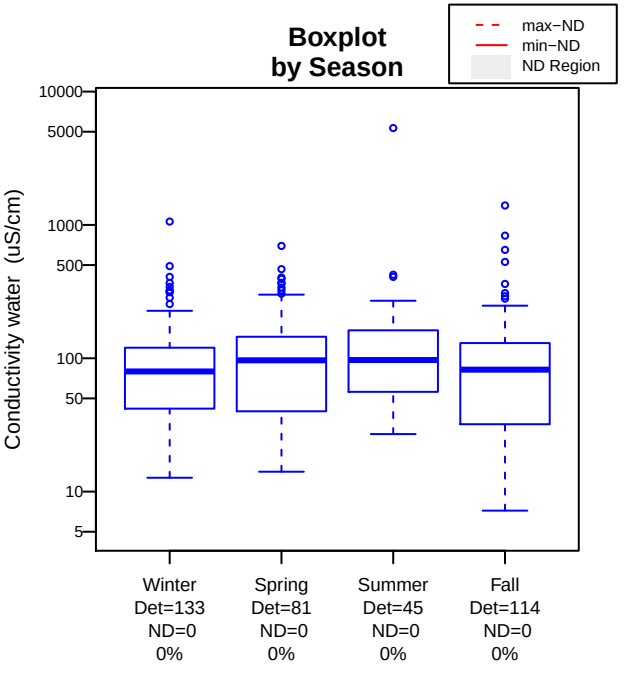


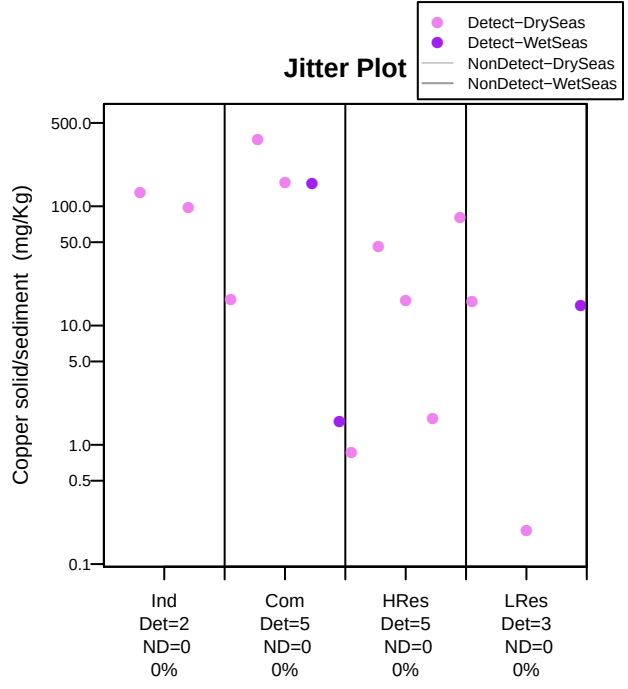


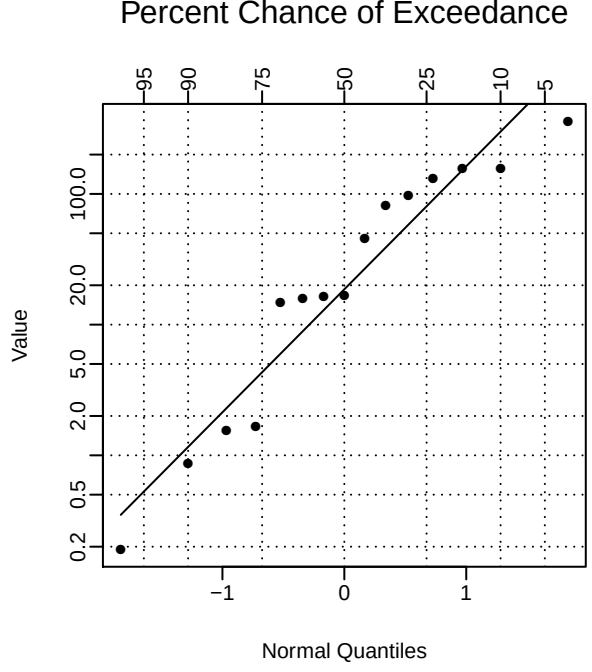
Not Plotted
(No Non−Detects)



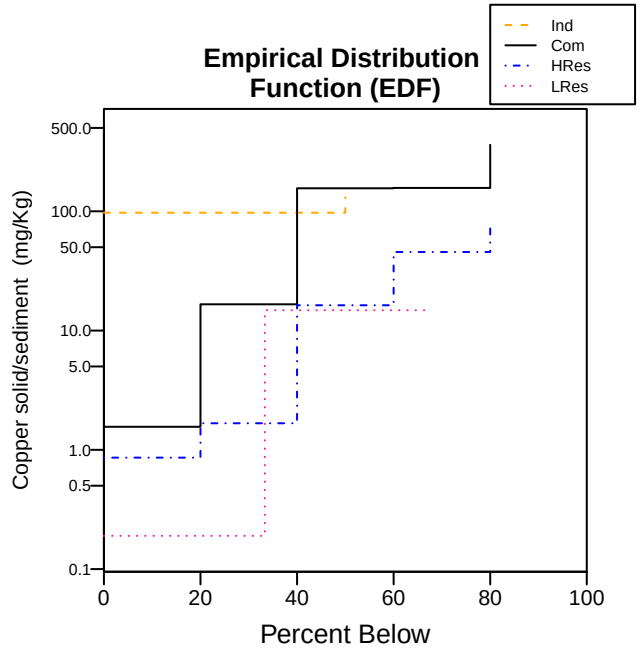


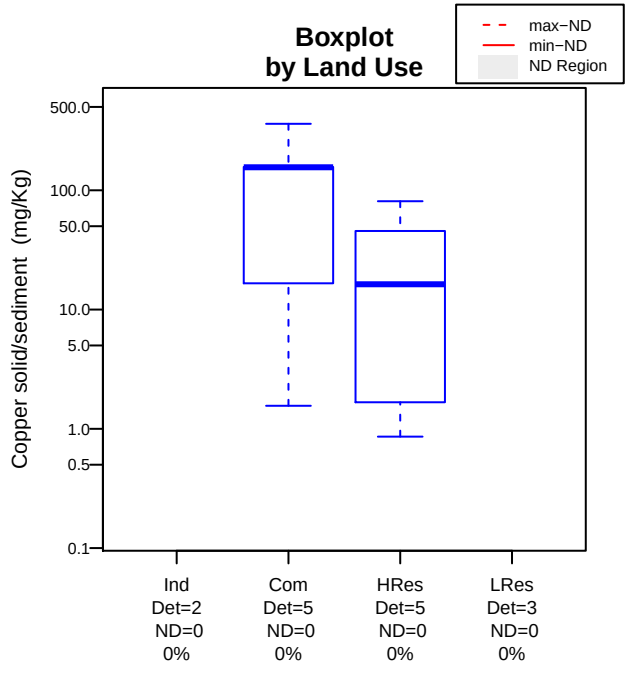


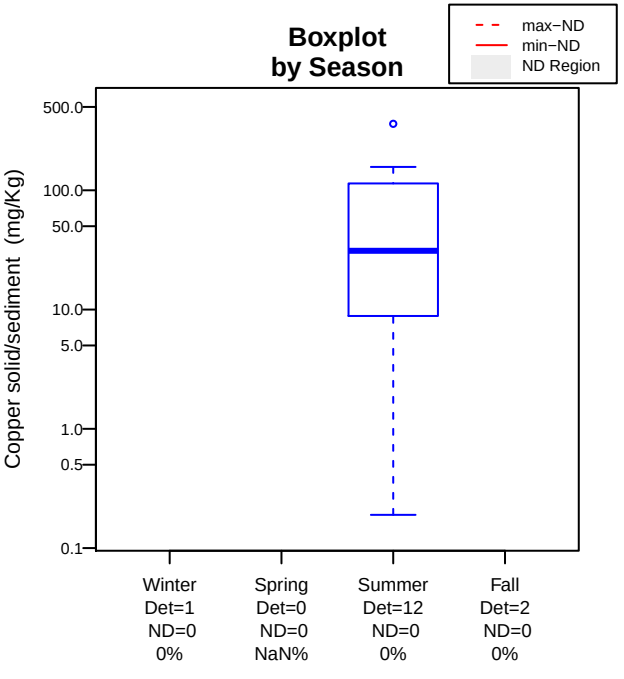


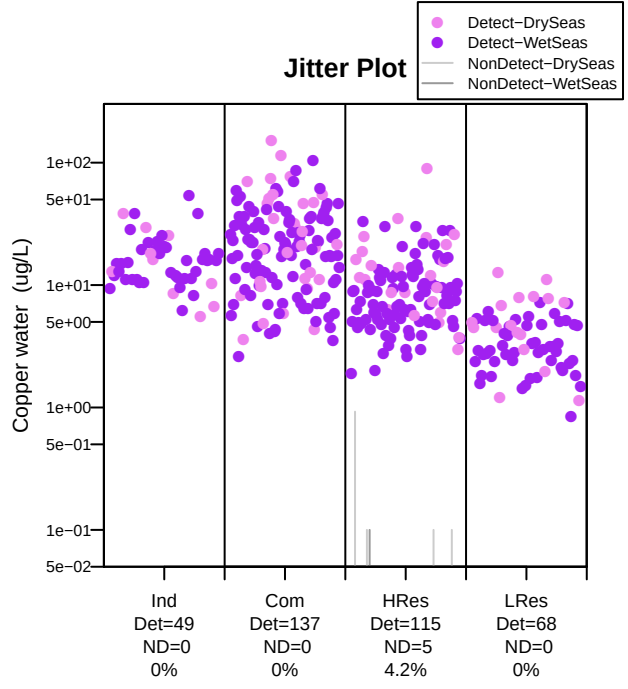


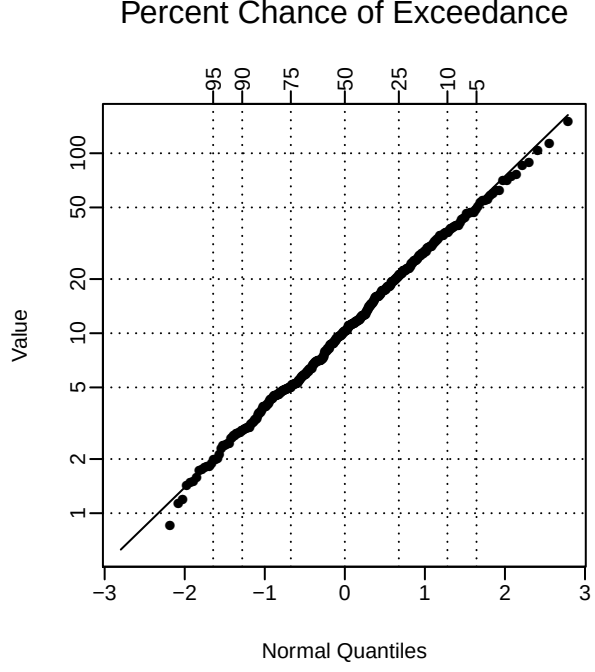
Not Plotted
(No Non−Detects)

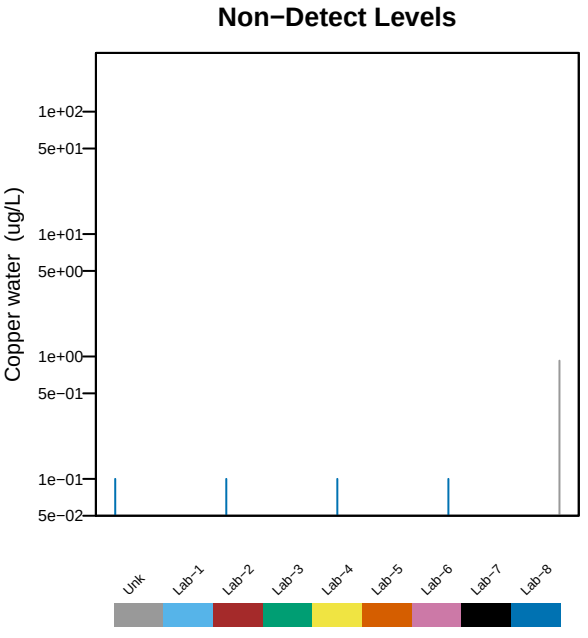


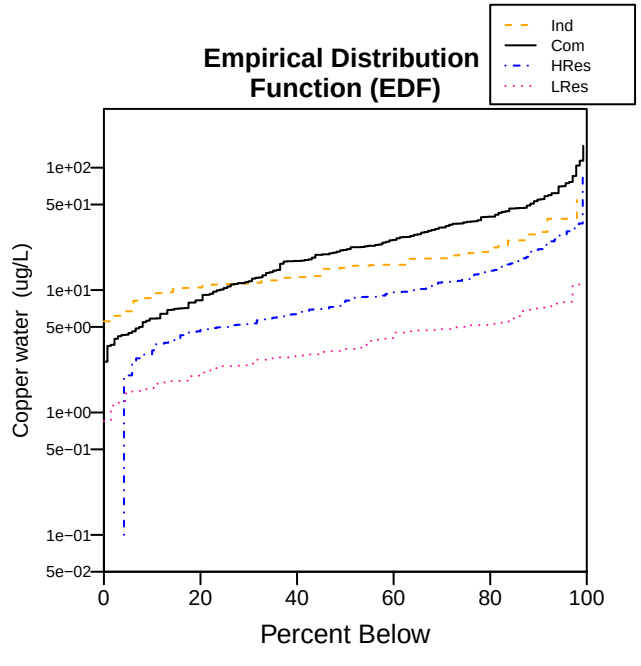


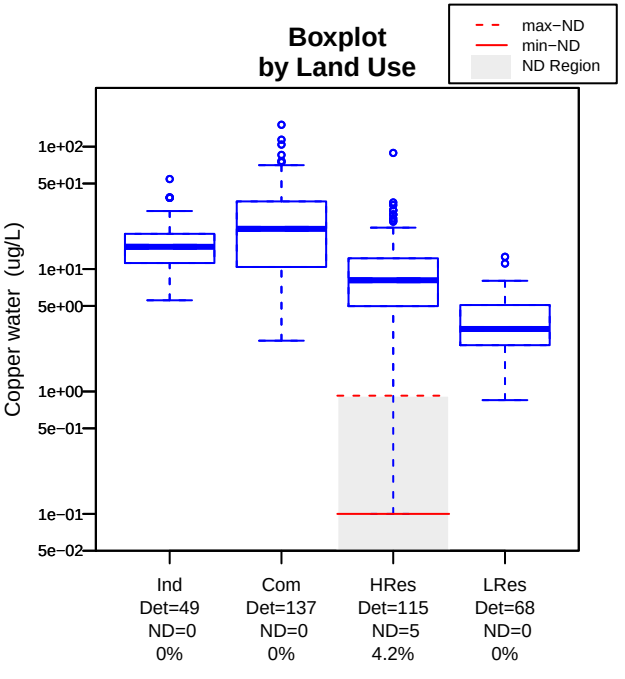


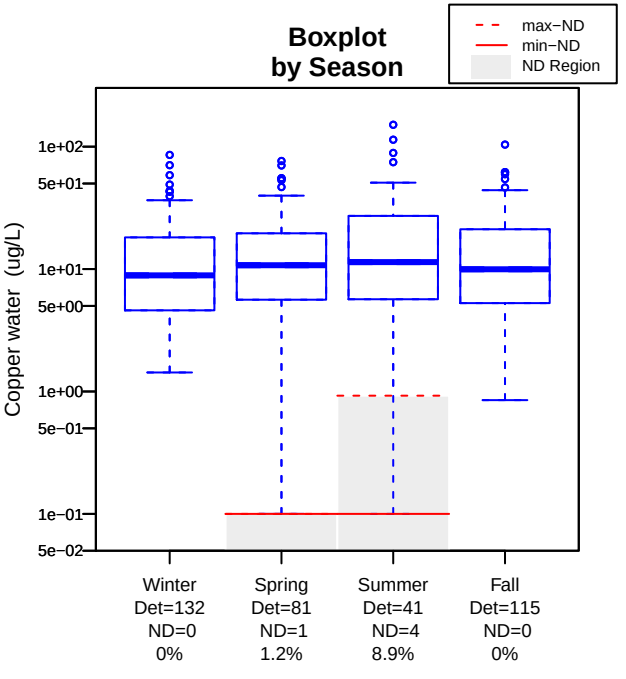

Jitter Plot
Detect−DrySeas
Detect−WetSeas
NonDetect−DrySeas
NonDetect−WetSeas
Copper water (ug/L)
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
Ind
Det=49
ND=0
0%
Com
Det=137
ND=0
0%
HRes
Det=115
ND=5
4.2%
LRes
Det=68
ND=0
0%

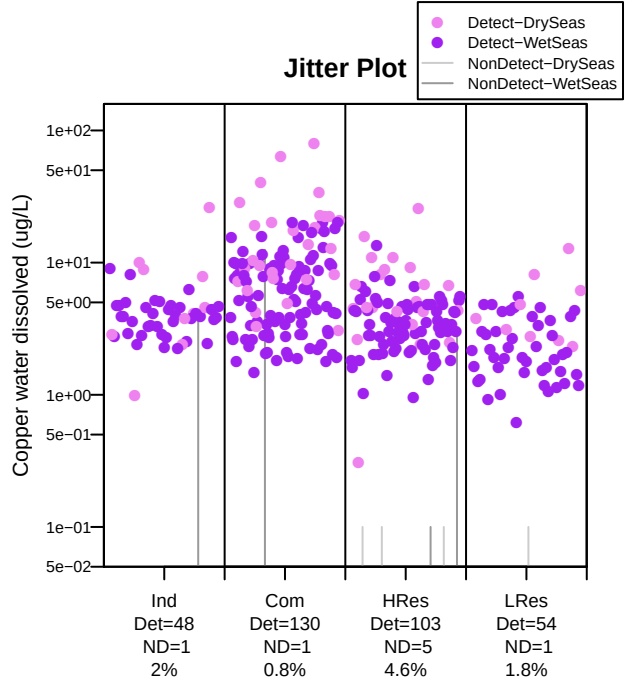

Percent Chance of Exceedance
95
90
75
50
25
10
5
Value
100
50
20
10
5
2
1
−3
−2
−1
0
1
2
3
Normal Quantuiles

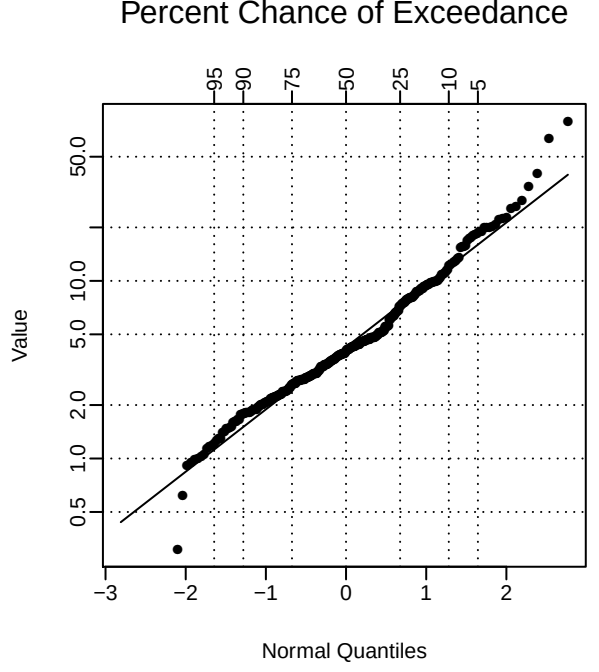

Non−Detect Levels
Copper water (ug/L)
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
Unk
Lab−1
Lab−2
Lab−3
Lab−4
Lab−5
Lab−6
Lab−7
Lab−8

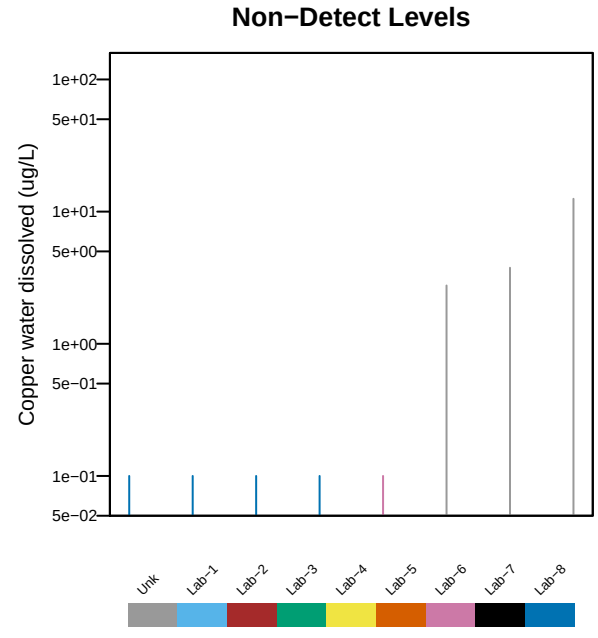

Empirical Distribution Function (EDF)
Ind
Com
HRes
LRes
Copper water (ug/L)
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
0
20
40
60
80
100
Percent Below

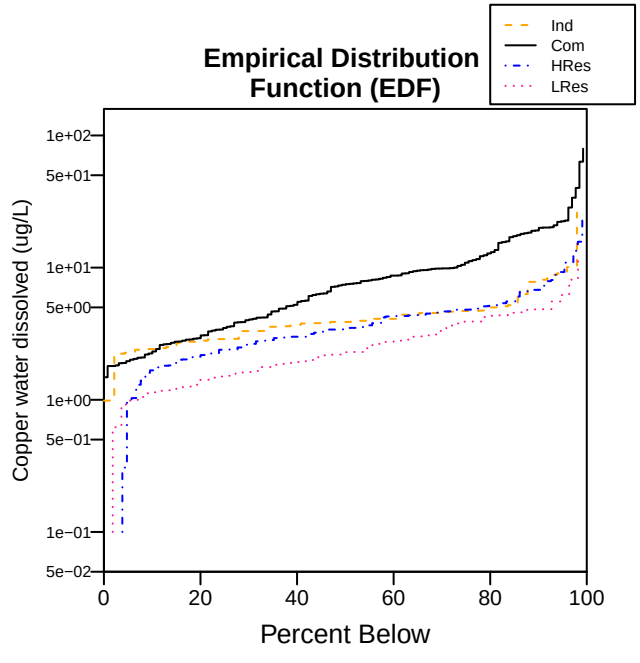

Boxplot by Land Use
max−ND
min−ND
ND Region
Copper water (ug/L)
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
Ind
Det=49
ND=0
0%
Com
Det=137
ND=0
0%
HRes
Det=115
ND=5
4.2%
LRes
Det=68
ND=0
0%

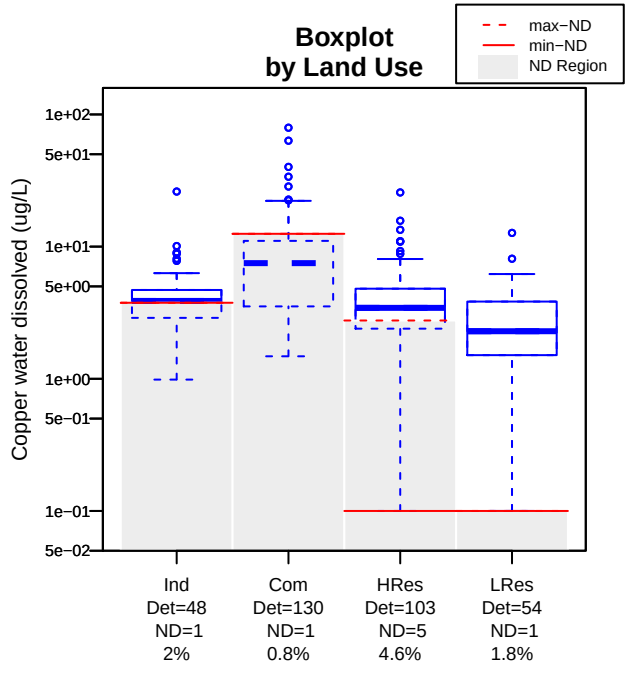

Boxplot by Season
max−ND
min−ND
ND Region
Copper water (ug/L)
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
Winter
Det=132
ND=0
0%
Spring
Det=81
ND=1
1.2%
Summer
Det=41
ND=4
8.9%
Fall
Det=115
ND=0
0%

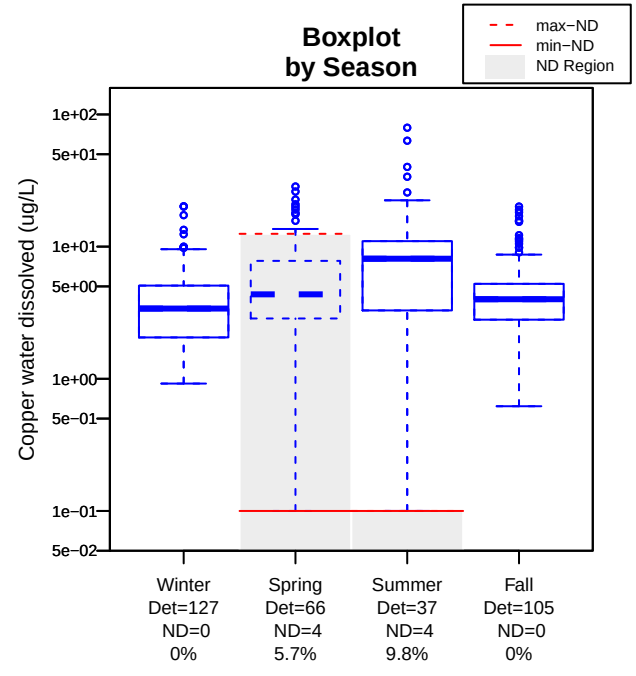

Jitter Plot
Detect−DrySeas
Detect−WetSeas
NonDetect−DrySeas
NonDetect−WetSeas
Copper water dissolved (ug/L)
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
Ind
Det=48
ND=1
2%
Com
Det=130
ND=1
0.8%
HRes
Det=103
ND=5
4.6%
LRes
Det=54
ND=1
1.8%

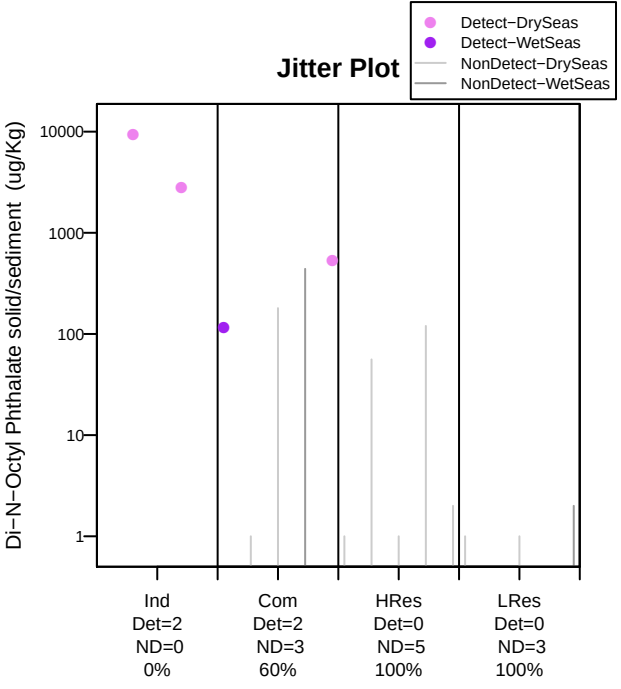

Percent Chance of Exceedance
95
90
75
50
25
10
5
Value
50.0
10.0
5.0
2.0
1.0
0.5
−3
−2
−1
0
1
2
Normal Quantiles


Non−Detect Levels
Copper water dissolved (ug/L)
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
Unk
Lab−1
Lab−2
Lab−3
Lab−4
Lab−5
Lab−6
Lab−7
Lab−8

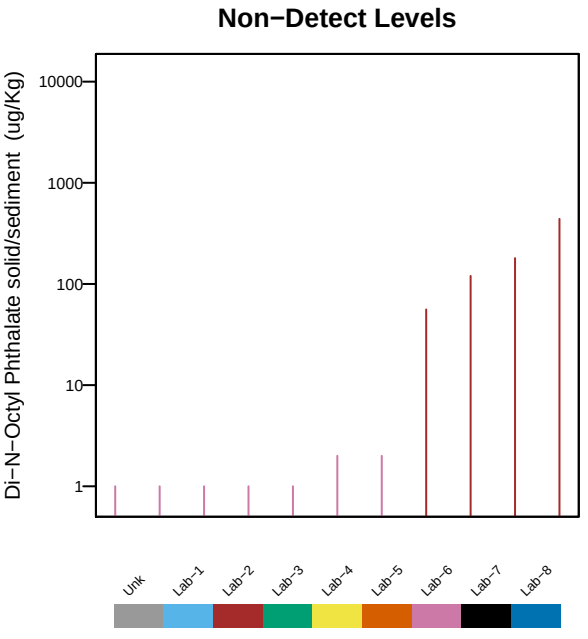

Empirical Distribution Function (EDF)
Ind
Com
HRes
LRes
Copper water dissolved (ug/L)
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
0
20
40
60
80
100
Percent Below


Boxplot by Land Use
max−ND
min−ND
ND Region
Copper water dissolved (ug/L)
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
Ind
Det=48
ND=1
2%
Com
Det=130
ND=1
0.8%
HRes
Det=103
ND=5
4.6%
LRes
Det=54
ND=1
1.8%


Boxplot by Season
max−ND
min−ND
ND Region
Copper water dissolved (ug/L)
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
Winter
Det=127
ND=0
0%
Spring
Det=66
ND=4
5.7%
Summer
Det=37
ND=4
9.8%
Fall
Det=105
ND=0
0%



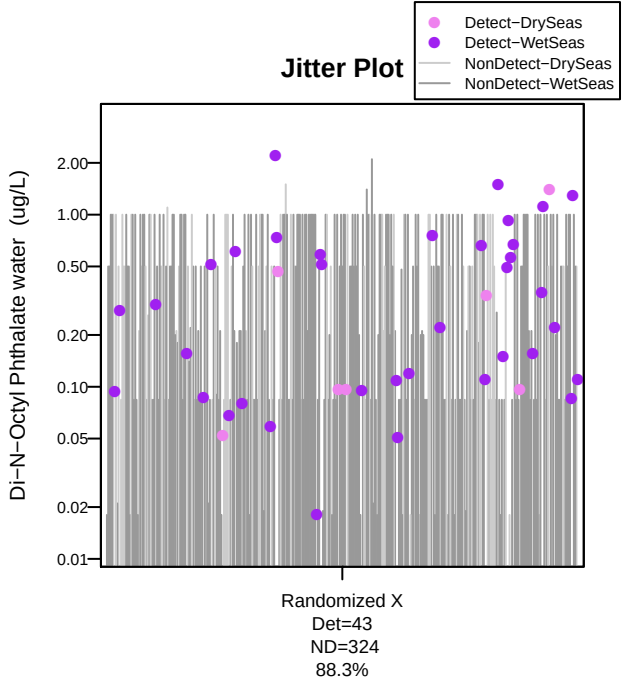
Not Plotted
(Less than 5 detections)



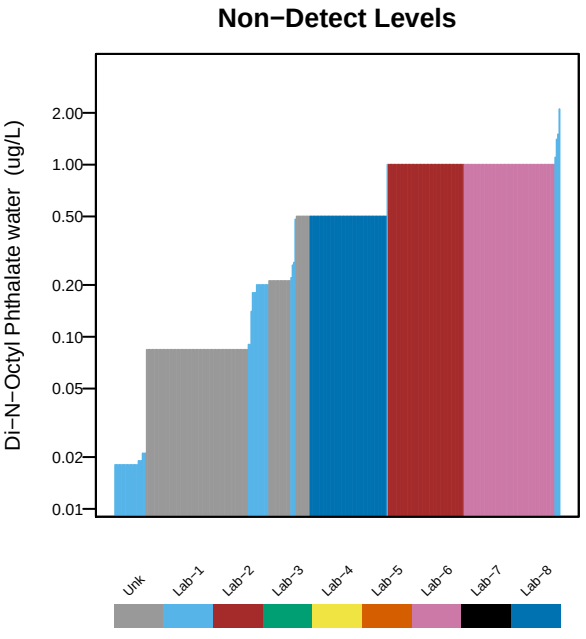
Not Plotted
(Less than 5 detections)

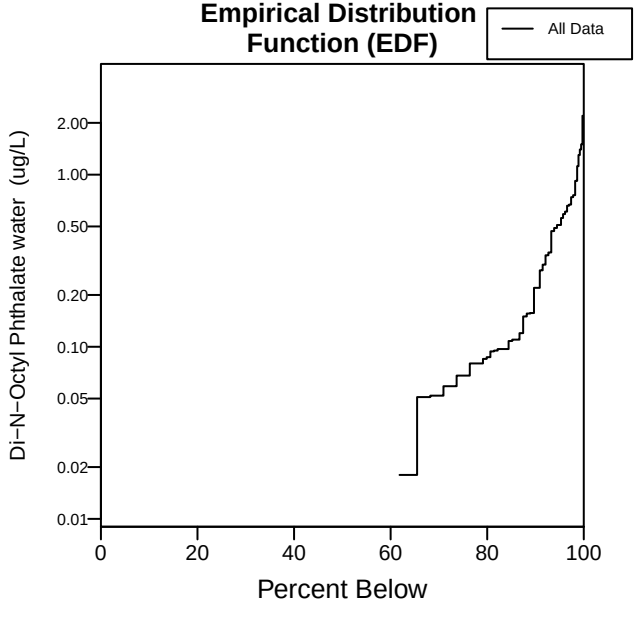
Not Plotted
(Less than 5 detections)

Not Plotted
(Less than 5 detections)



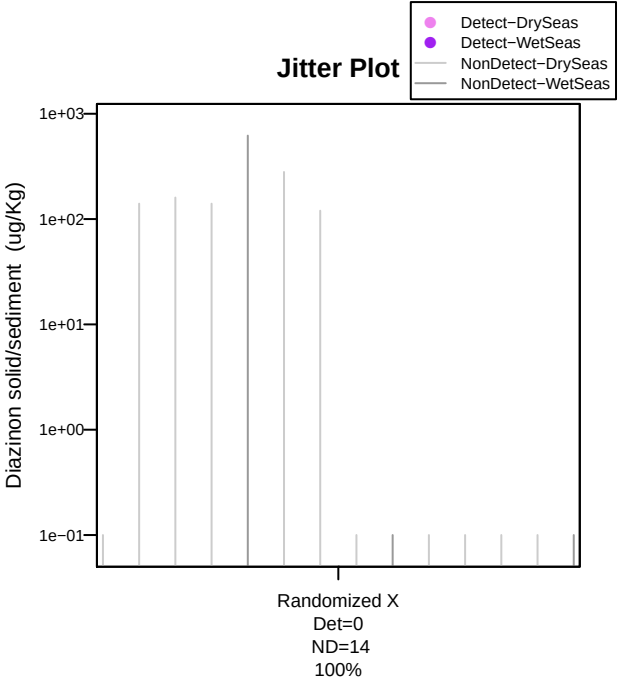
Not Plotted
(Case C)



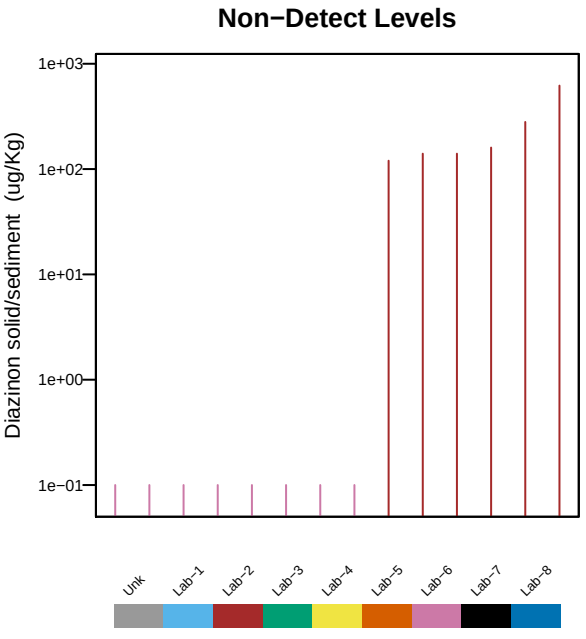


Not Plotted
(Case C)

Not Plotted
(Case C)



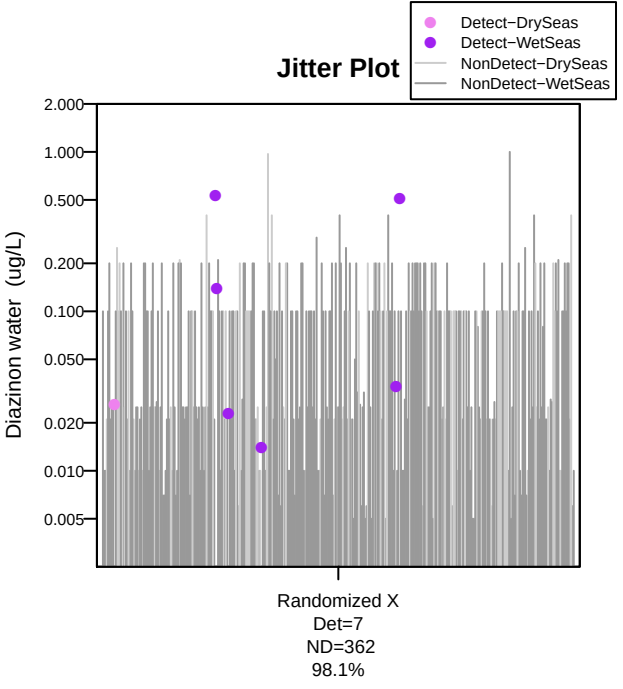
Not Plotted
(Case C)



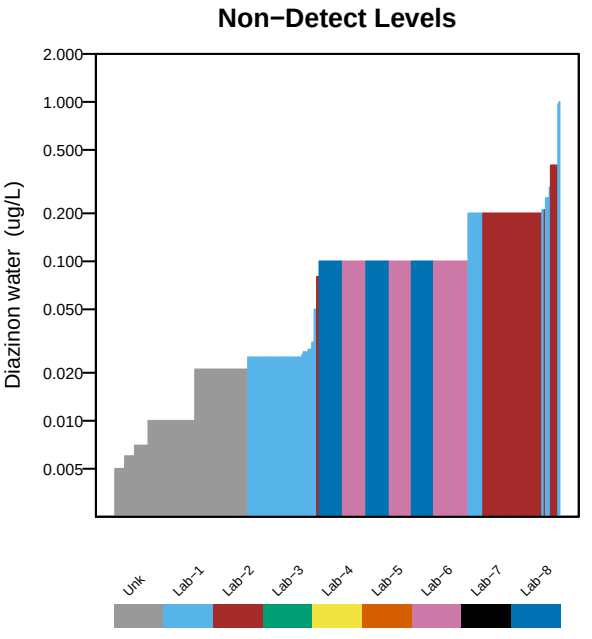
Not Plotted
(Less than 5 detections)

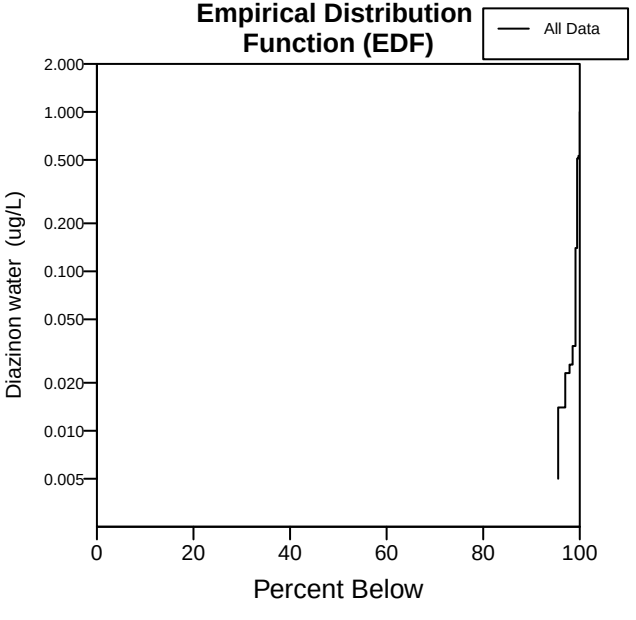
Not Plotted
(Case C)

Not Plotted
(Case C)



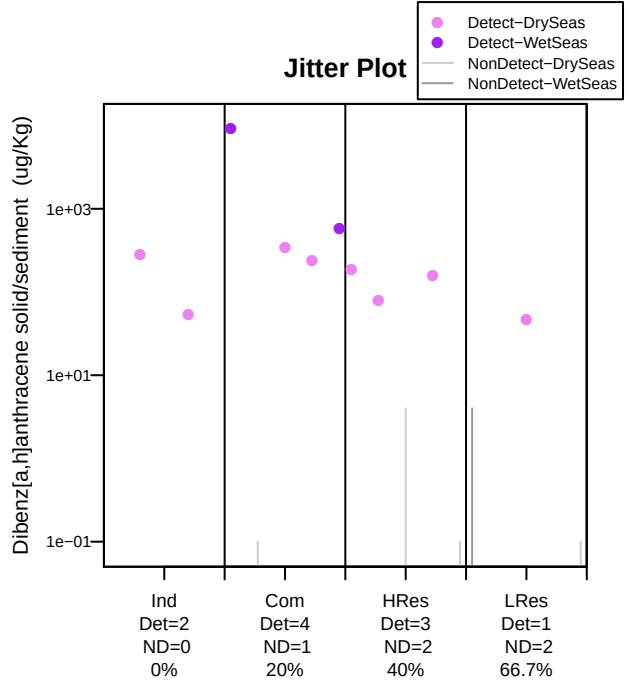
Not Plotted
(Case C)

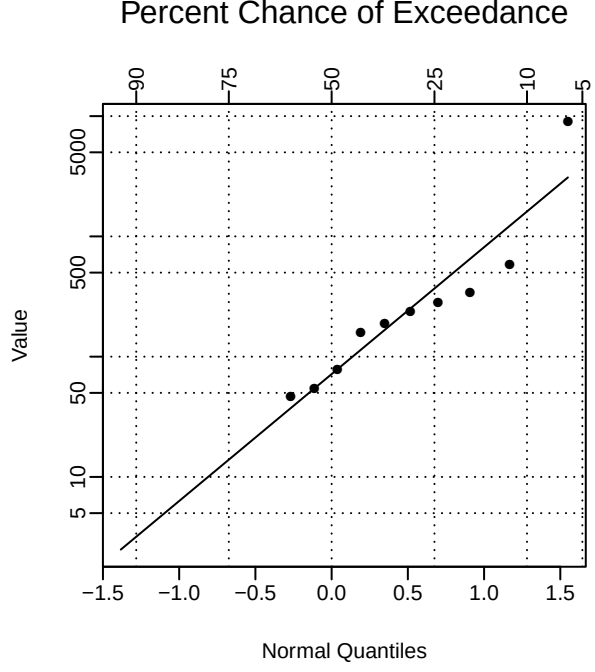


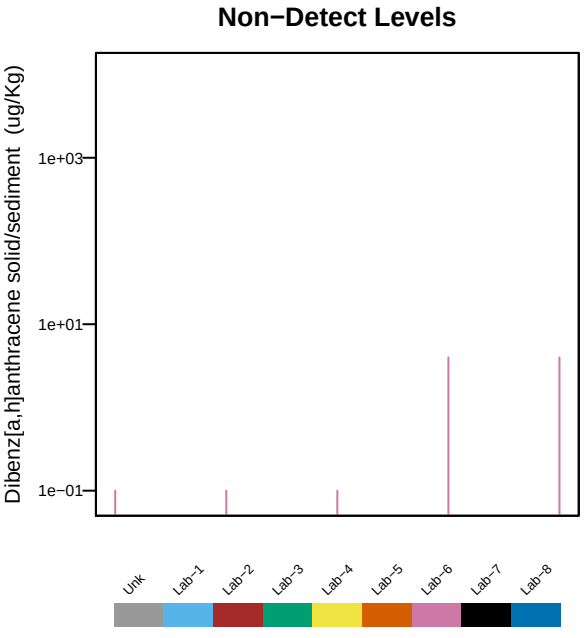


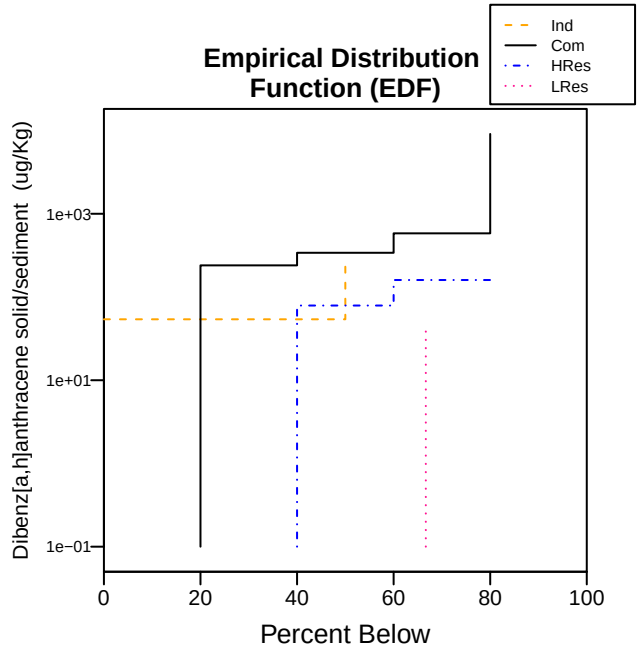
Not Plotted
(Case C)

Not Plotted
(Case C)

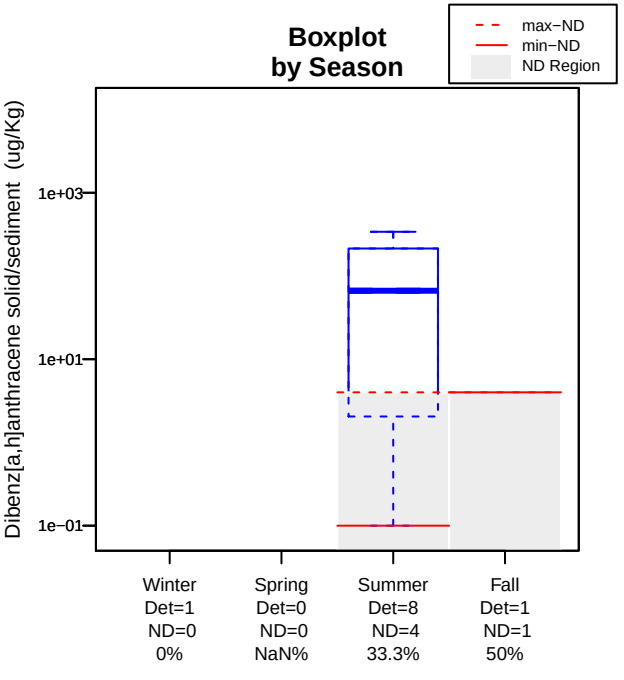


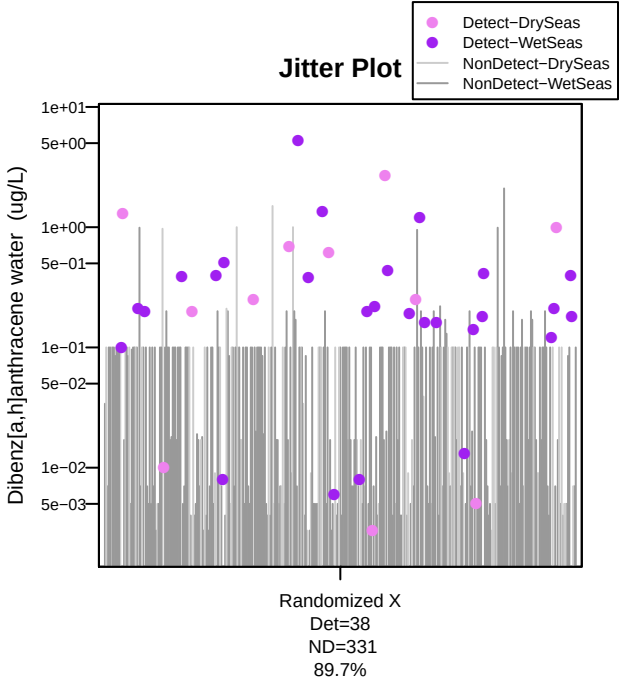




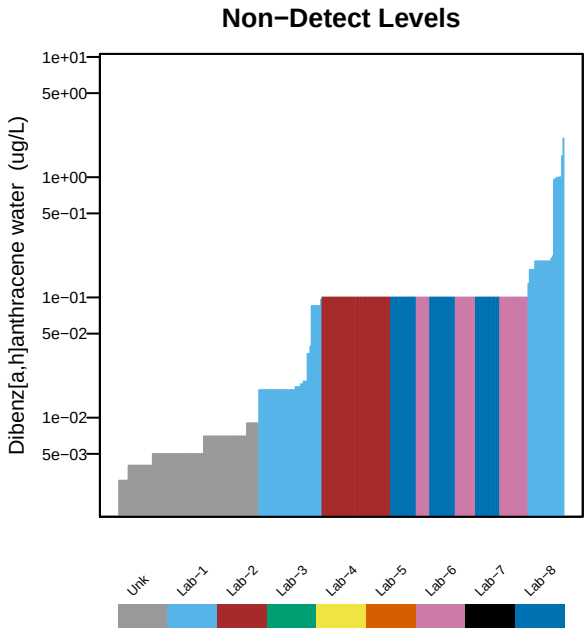


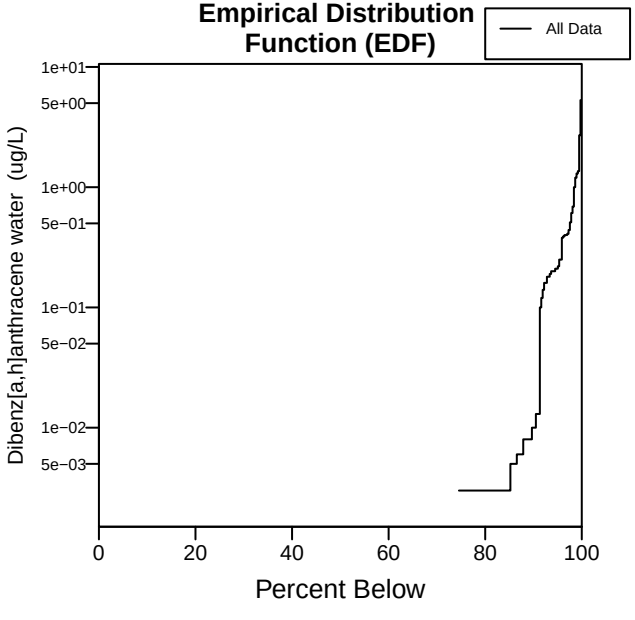
Not Plotted
(No land use has 5 or more detections)





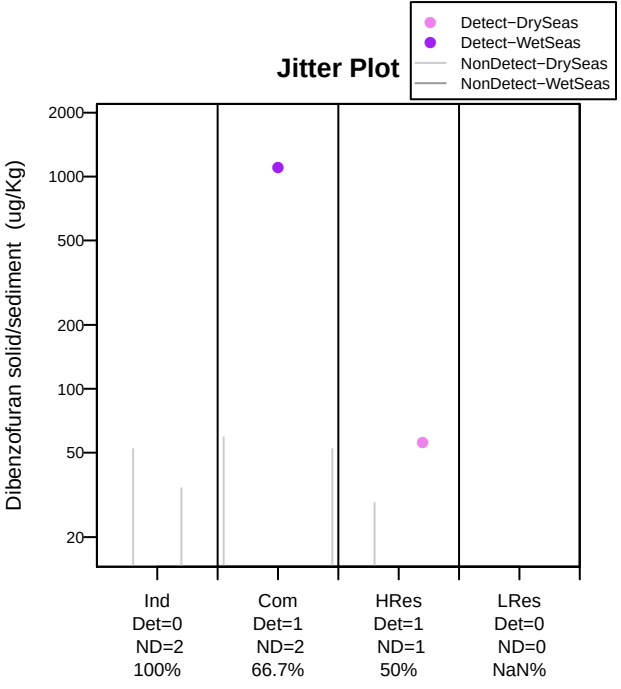
Not Plotted
(Case C)



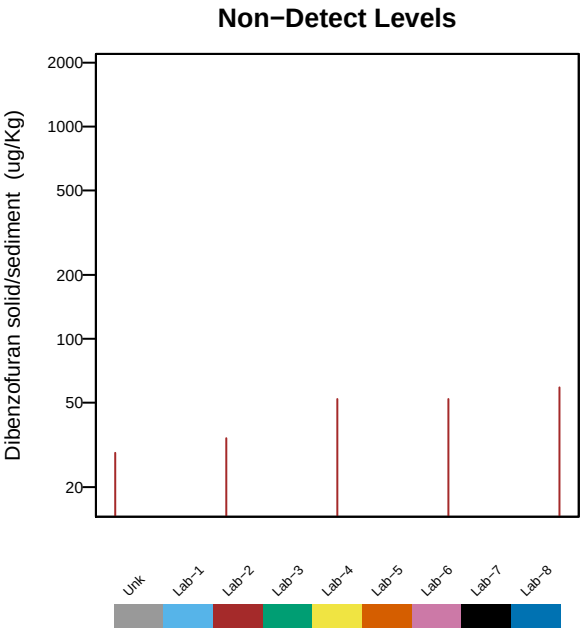


Not Plotted
(Case C)

Not Plotted
(Case C)



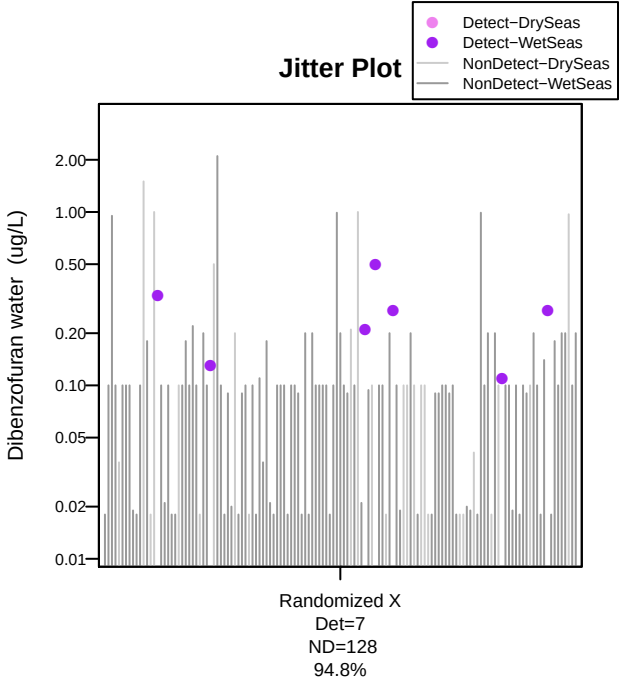
Not Plotted
(Less than 5 detections)



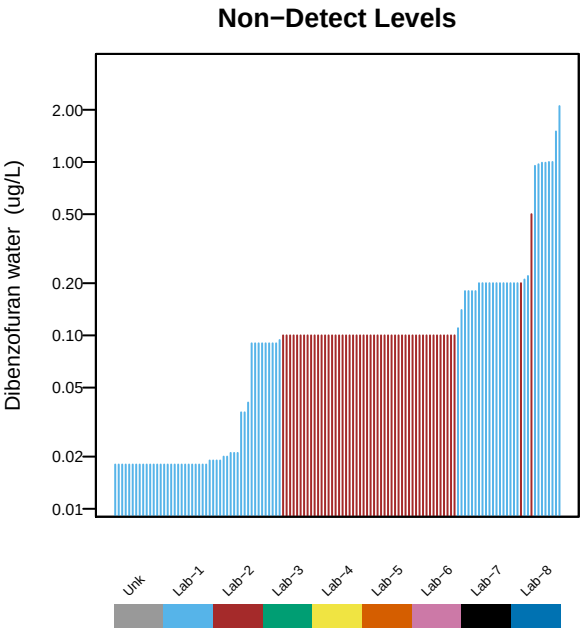
Not Plotted
(Less than 5 detections)

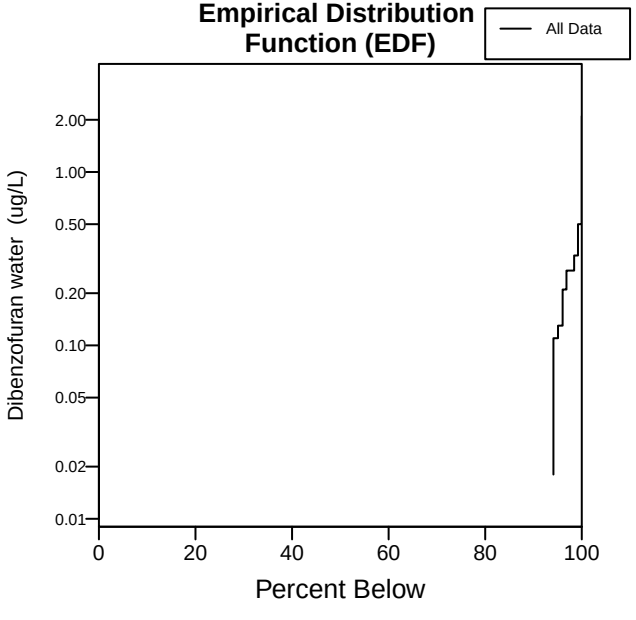
Not Plotted
(Less than 5 detections)

Not Plotted
(Less than 5 detections)



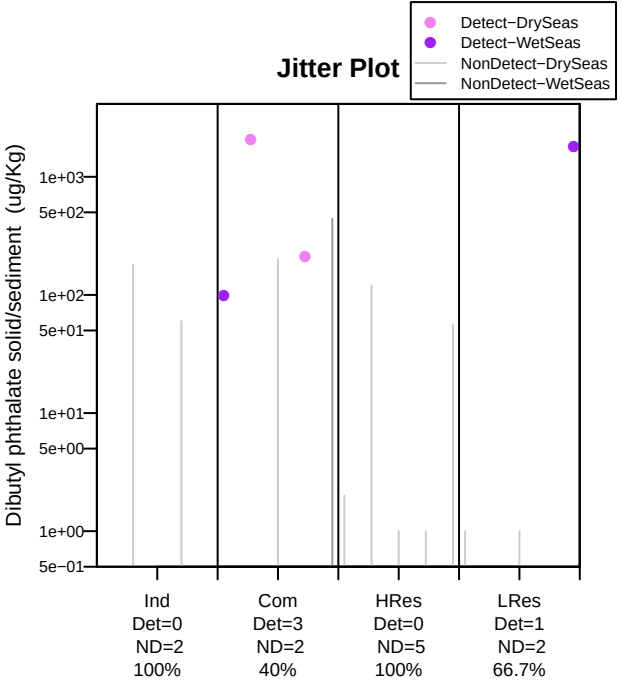
Not Plotted
(Case C)



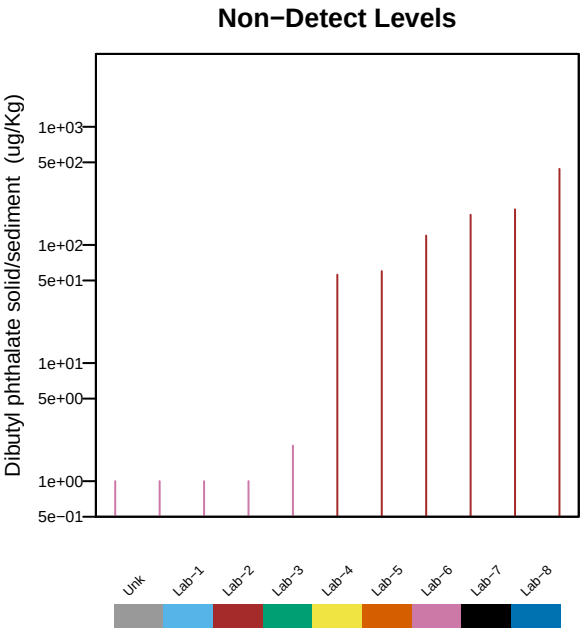


Not Plotted
(Case C)

Not Plotted
(Case C)



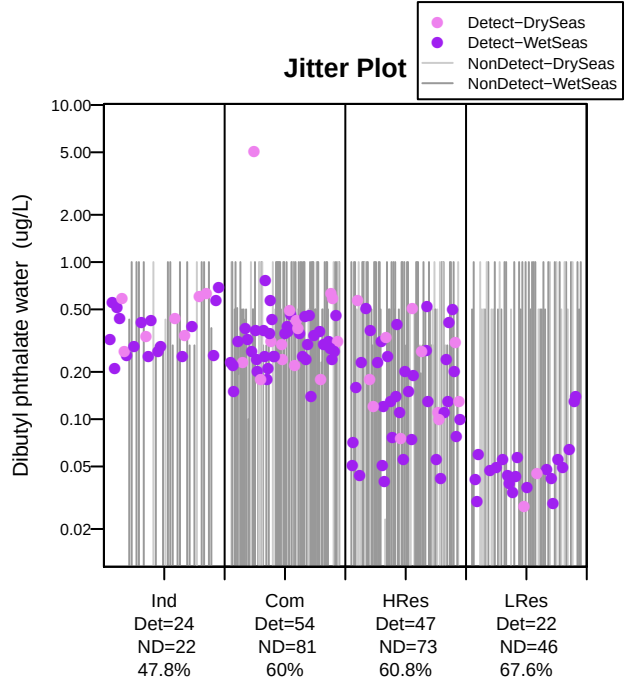
Not Plotted
(Less than 5 detections)

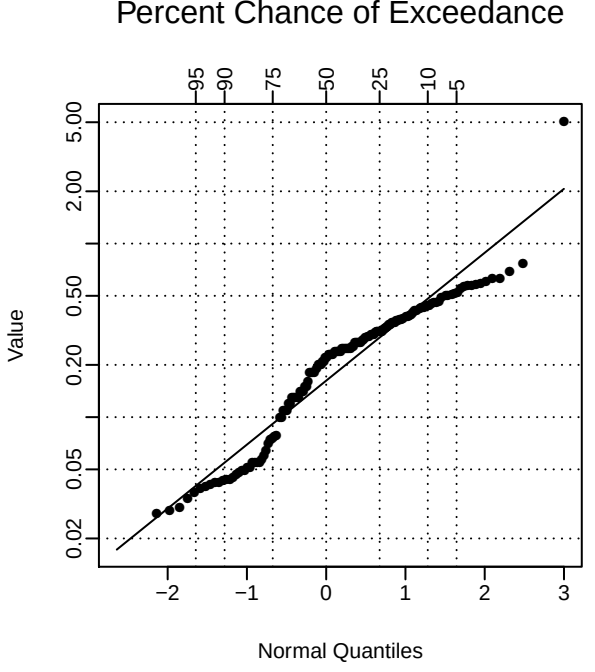


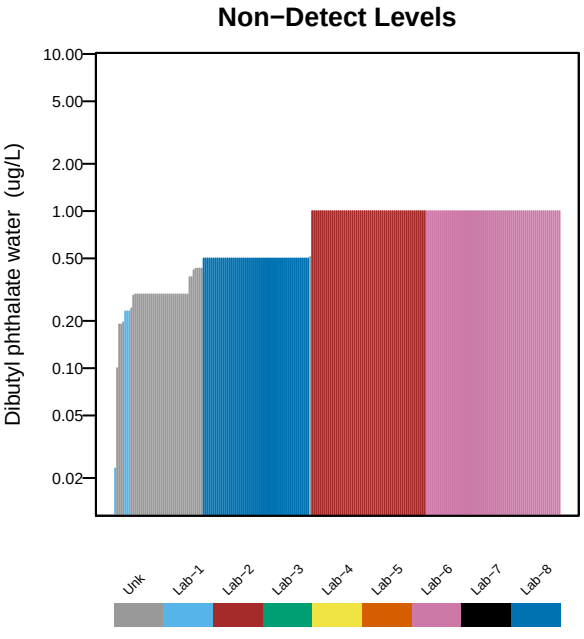
Not Plotted
(Less than 5 detections)

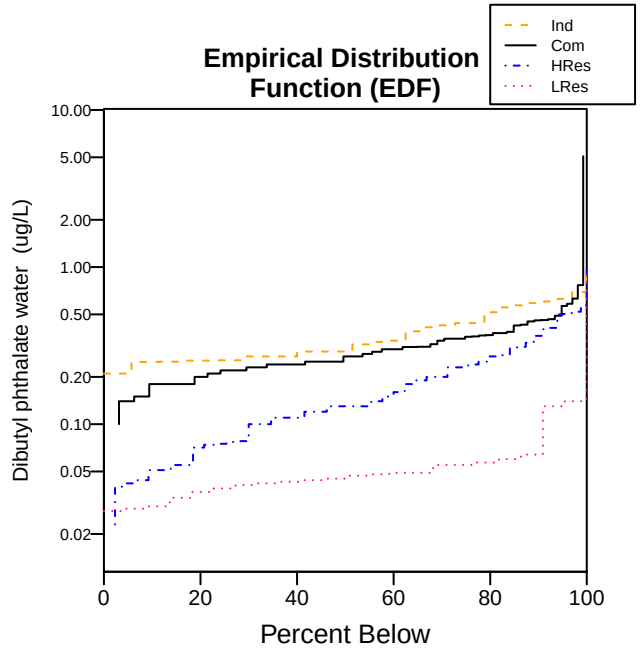
Not Plotted
(Less than 5 detections)

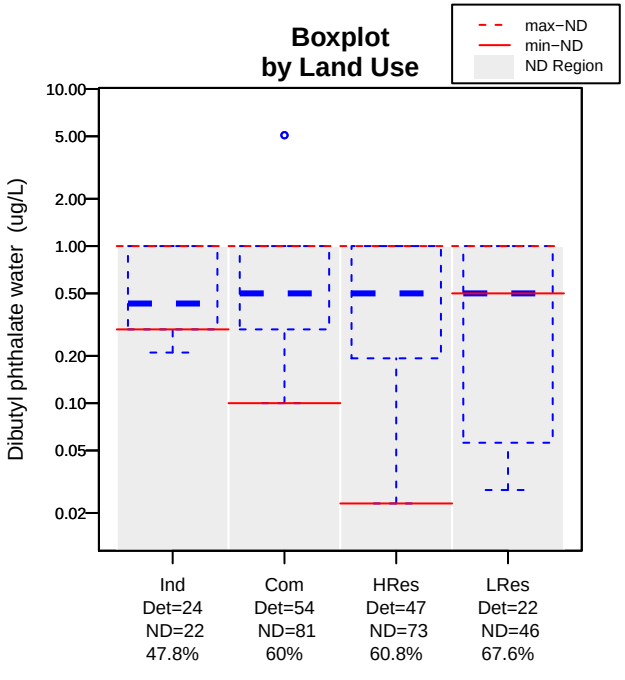
Not Plotted
(Less than 5 detections)

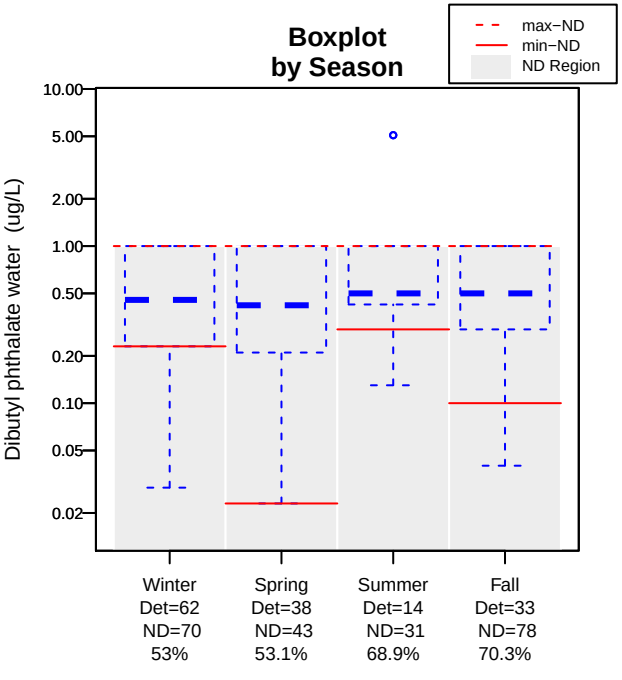

Jitter Plot
Detect−DrySeas
Detect−WetSeas
NonDetect−DrySeas
NonDetect−WetSeas
Dibutyl phthalate water (ug/L)
10.00
5.00
2.00
1.00
0.50
0.20
0.10
0.05
0.02
Ind
Det=24
ND=22
47.8%
Com
Det=54
ND=81
60%
HRes
Det=47
ND=73
60.8%
LRes
Det=22
ND=46
67.6%

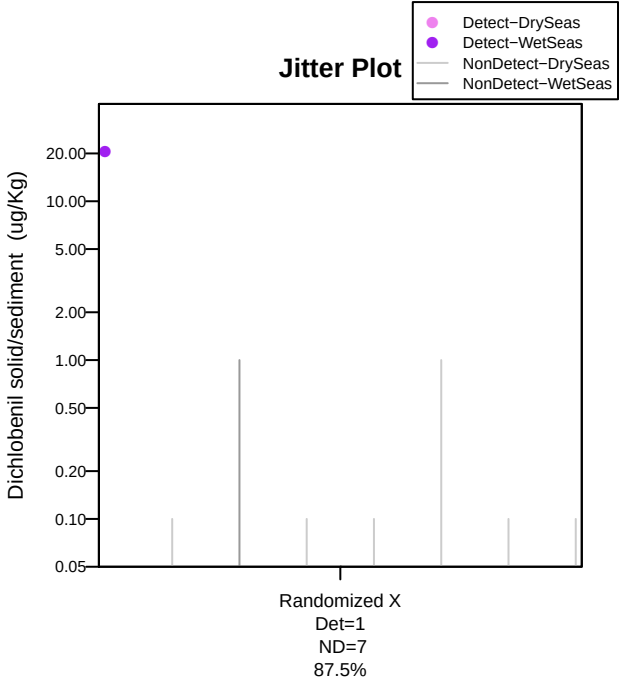

Percent Chance of Exceedance
95
90
75
50
25
10
5
Value
5.00
2.00
0.50
0.20
0.05
0.02
−2
−1
0
1
2
3
Normal Quantiles


Non−Detect Levels
Dibutyl phthalate water (ug/L)
10.00
5.00
2.00
1.00
0.50
0.20
0.10
0.05
0.02
Unk
Lab−1
Lab−2
Lab−3
Lab−4
Lab−5
Lab−6
Lab−7
Lab−8

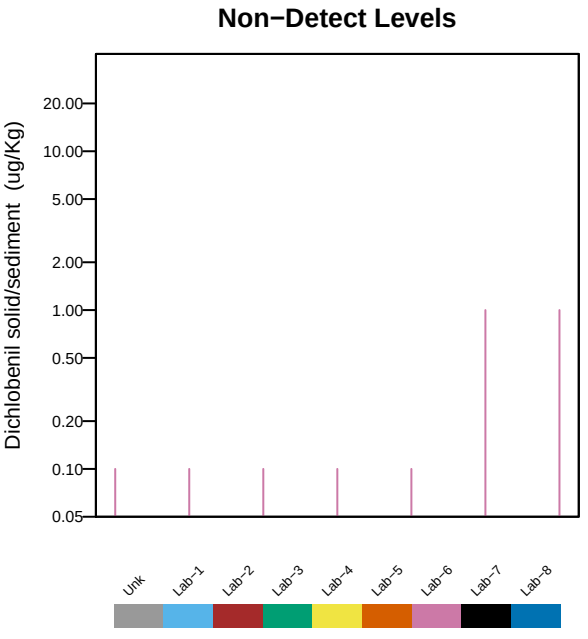

Empirical Distribution Function (EDF)
Ind
Com
HRes
LRes
Dibutyl phthalate water (ug/L)
10.00
5.00
2.00
1.00
0.50
0.20
0.10
0.05
0.02
0
20
40
60
80
100
Percent Below


Boxplot by Land Use
max−ND
min−ND
ND Region
Dibutyl phthalate water (ug/L)
10.00
5.00
2.00
1.00
0.50
0.20
0.10
0.05
0.02
Ind
Det=24
ND=22
47.8%
Com
Det=54
ND=81
60%
HRes
Det=47
ND=73
60.8%
LRes
Det=22
ND=46
67.6%


Boxplot by Season
max−ND
min−ND
ND Region
Dibutyl phthalate water (ug/L)
10.00
5.00
2.00
1.00
0.50
0.20
0.10
0.05
0.02
Winter
Det=62
ND=70
53%
Spring
Det=38
ND=43
53.1%
Summer
Det=14
ND=31
68.9%
Fall
Det=33
ND=78
70.3%



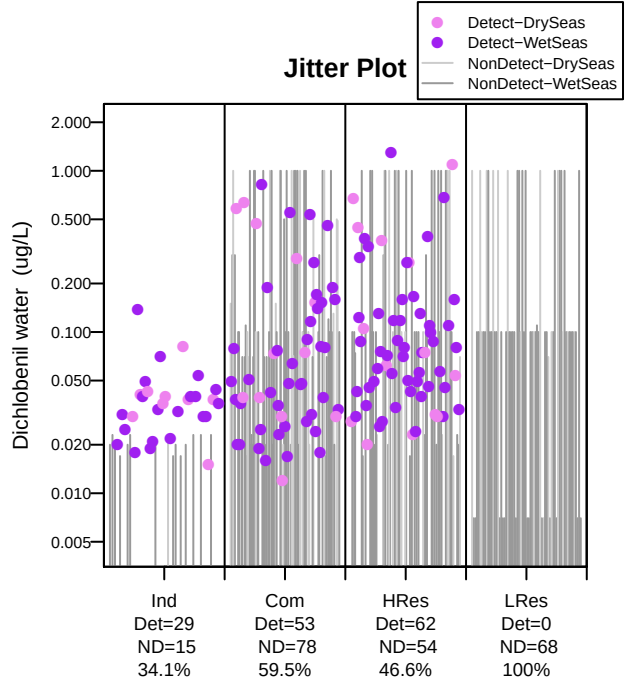
Not Plotted
(Case C)

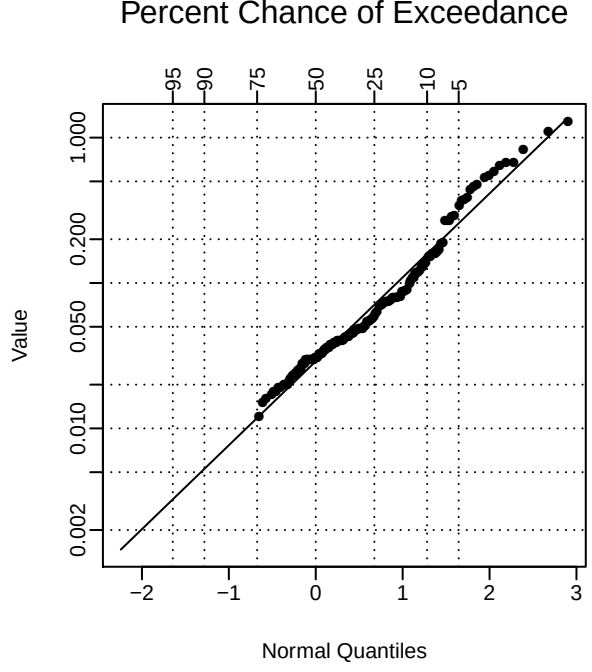


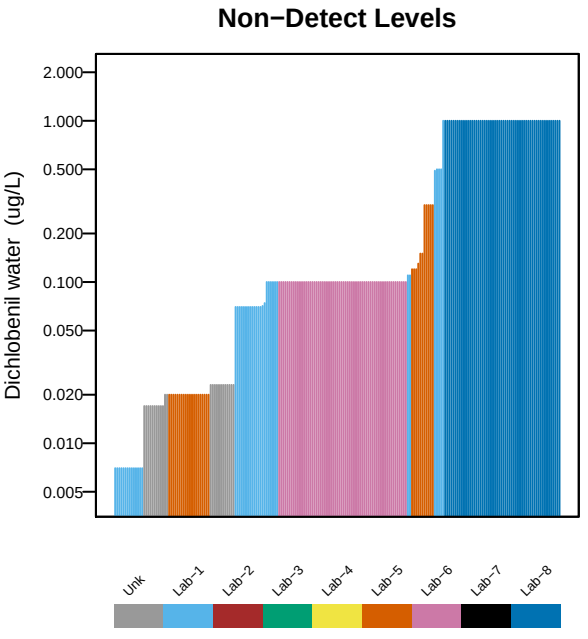
Not Plotted
(Less than 5 detections)

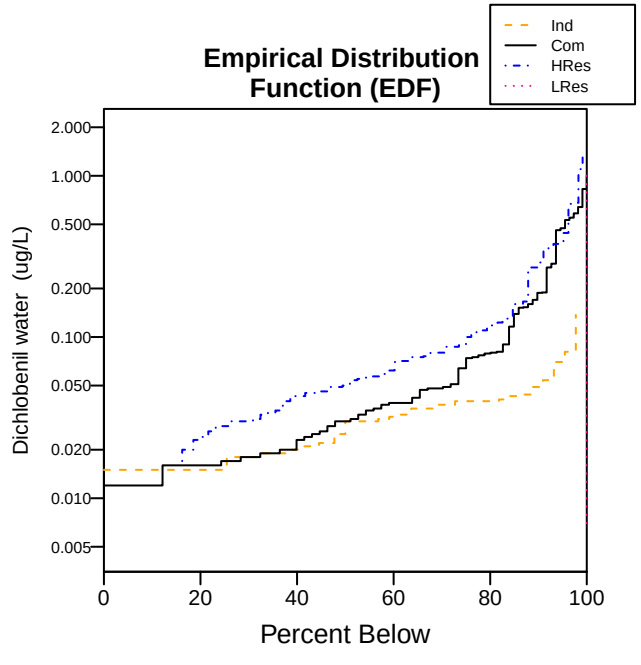
Not Plotted
(Case C)

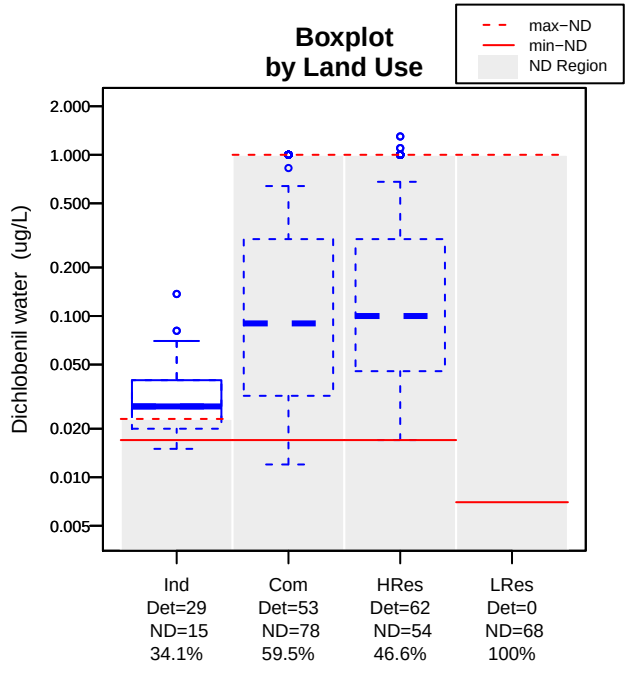
Not Plotted
(Case C)

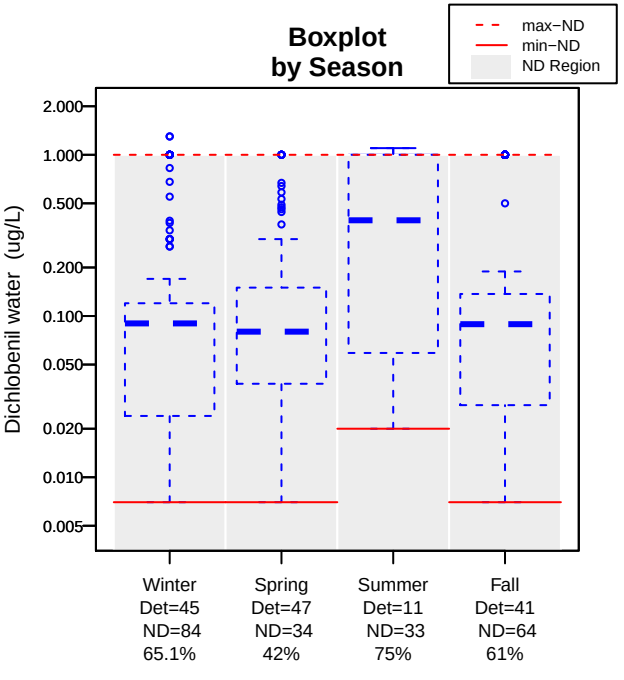

Jitter Plot
Detect−DrySeas
Detect−WetSeas
NonDetect−DrySeas
NonDetect−WetSeas
Dichlobenil water (ug/L)
2.000
1.000
0.500
0.200
0.100
0.050
0.020
0.010
0.005
Ind
Det=29
ND=15
34.1%
Com
Det=53
ND=78
59.5%
HRes
Det=62
ND=54
46.6%
LRes
Det=0
ND=68
100%

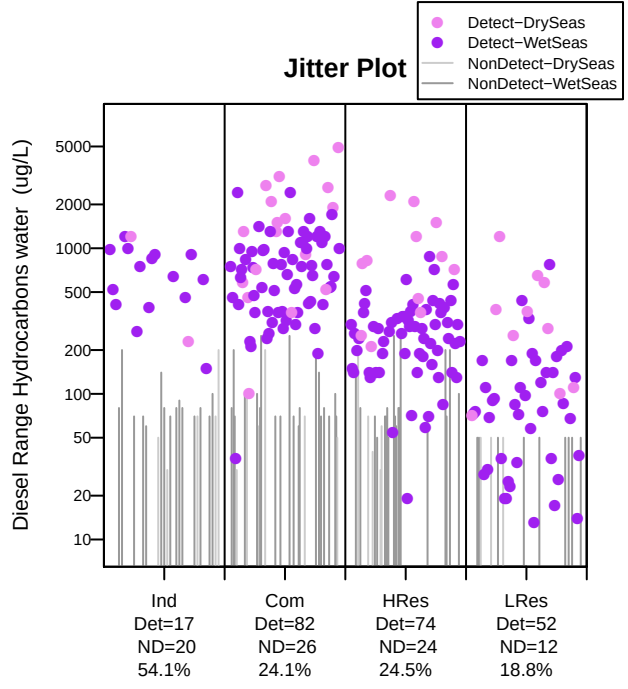

Percent Chance of Exceedance
95
90
75
50
25
10
5
Value
1.000
0.200
0.050
0.010
0.002
−2
−1
0
1
2
3
Normal Quantiles

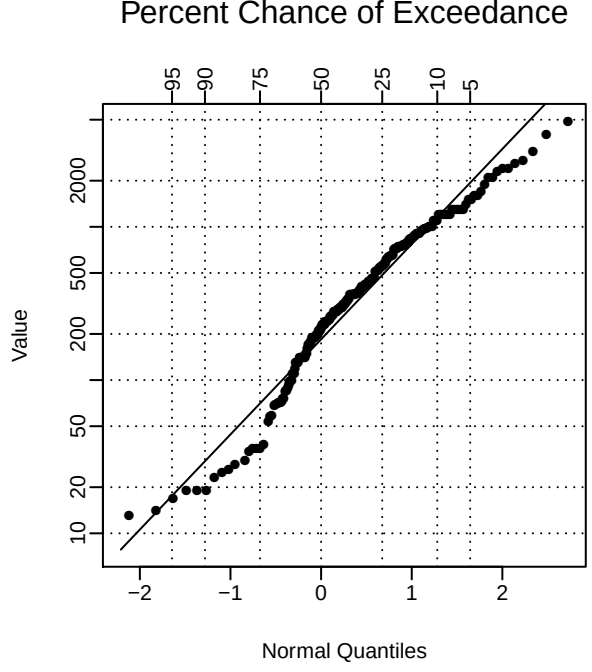

Non−Detect Levels
Dichlobenil water (ug/L)
2.000
1.000
0.500
0.200
0.100
0.050
0.020
0.010
0.005
Unk
Lab−1
Lab−2
Lab−3
Lab−4
Lab−5
Lab−6
Lab−7
Lab−8

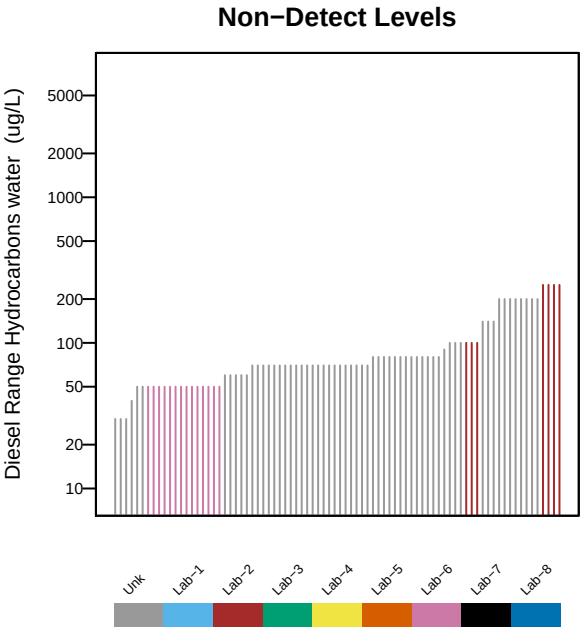

Empirical Distribution Function (EDF)
Ind
Com
HRes
LRes
Dichlobenil water (ug/L)
2.000
1.000
0.500
0.200
0.100
0.050
0.020
0.010
0.005
0
20
40
60
80
100
Percent Below

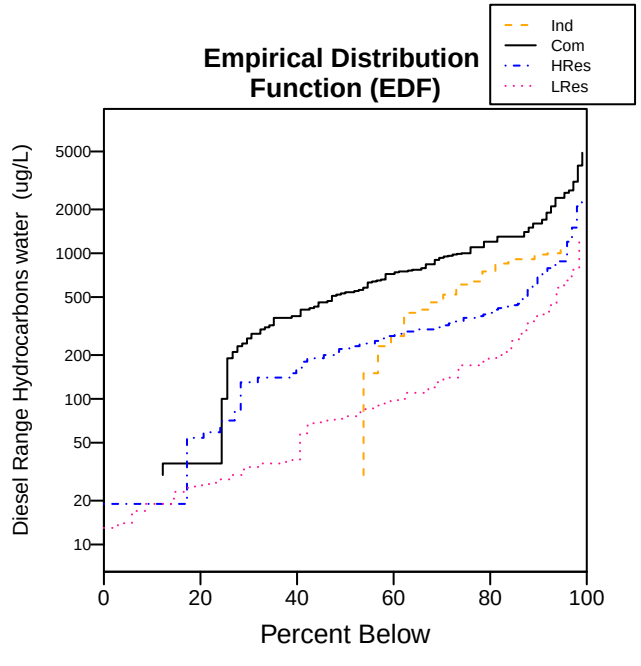

Boxplot by Land Use
max−ND
min−ND
ND Region
Dichlobenil water (ug/L)
2.000
1.000
0.500
0.200
0.100
0.050
0.020
0.010
0.005
Ind
Det=29
ND=15
34.1%
Com
Det=53
ND=78
59.5%
HRes
Det=62
ND=54
46.6%
LRes
Det=0
ND=68
100%

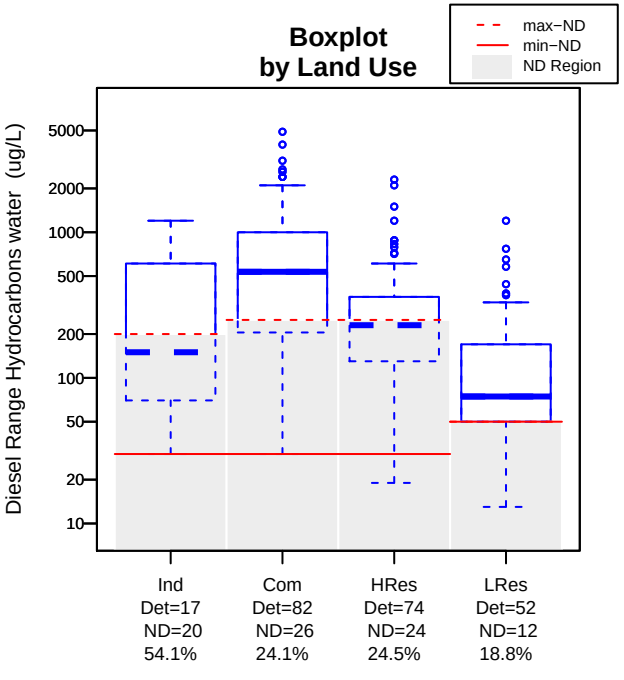

Boxplot by Season
max−ND
min−ND
ND Region
Dichlobenil water (ug/L)
2.000
1.000
0.500
0.200
0.100
0.050
0.020
0.010
0.005
Winter
Det=45
ND=84
65.1%
Spring
Det=47
ND=34
42%
Summer
Det=11
ND=33
75%
Fall
Det=41
ND=64
61%

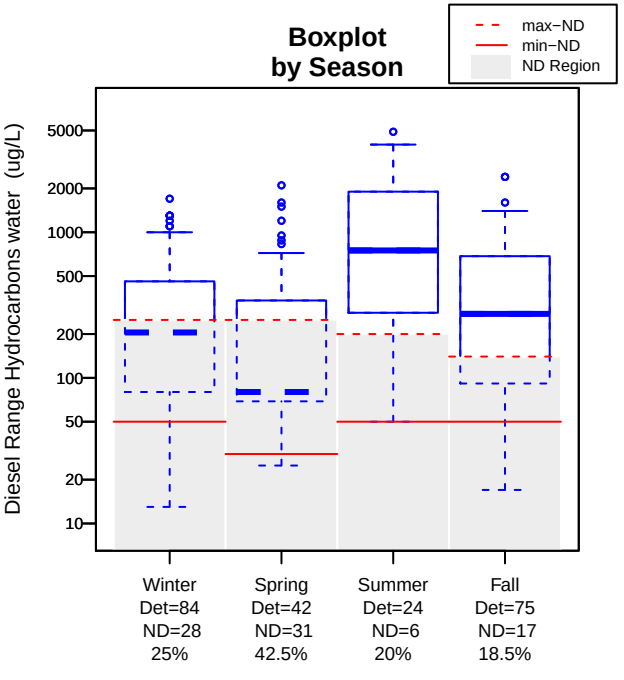

Jitter Plot
Detect−DrySeas
Detect−WetSeas
NonDetect−DrySeas
NonDetect−WetSeas
Diesel Range Hydrocarbons water (ug/L)
5000
2000
1000
500
200
100
50
20
10
Ind
Det=17
ND=20
54.1%
Com
Det=82
ND=26
24.1%
HRes
Det=74
ND=24
24.5%
LRes
Det=52
ND=12
18.8%

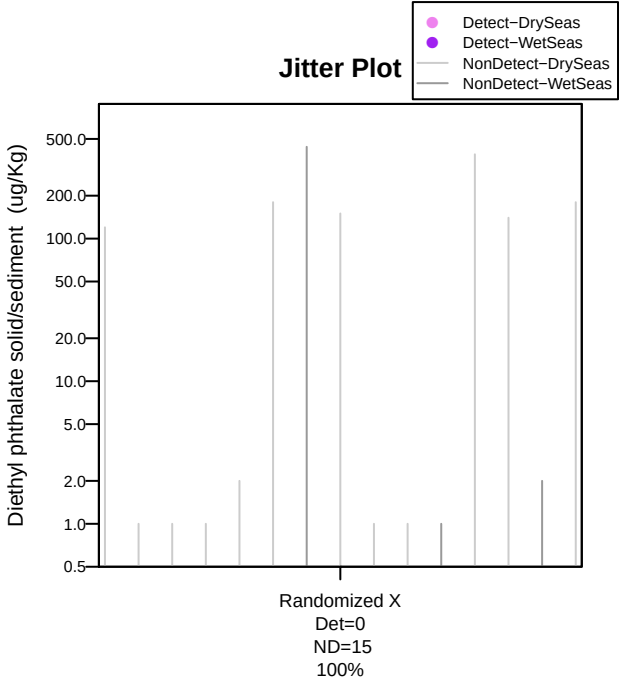

Percent Chance of Exceedance
95
90
75
50
25
10
5
Value
2000
500
200
50
20
10
−2
−1
0
1
2
Normal Quantiles


Non−Detect Levels
Diesel Range Hydrocarbons water (ug/L)
5000
2000
1000
500
200
100
50
20
10
Unk
Lab−1
Lab−2
Lab−3
Lab−4
Lab−5
Lab−6
Lab−7
Lab−8

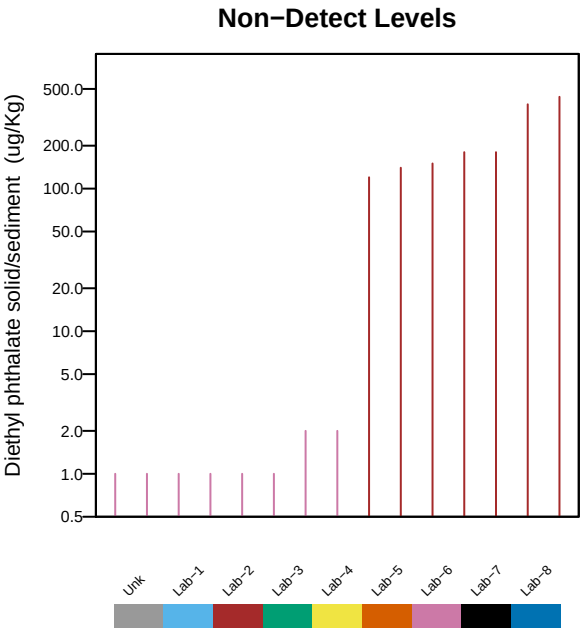

Empirical Distribution Function (EDF)
Ind
Com
HRes
LRes
Diesel Range Hydrocarbons water (ug/L)
5000
2000
1000
500
200
100
50
20
10
0
20
40
60
80
100
Percent Below


Boxplot by Land Use
max−ND
min−ND
ND Region
Diesel Range Hydrocarbons water (ug/L)
5000
2000
1000
500
200
100
50
20
10
Ind
Det=17
ND=20
54.1%
Com
Det=82
ND=26
24.1%
HRes
Det=74
ND=24
24.5%
LRes
Det=52
ND=12
18.8%


Boxplot by Season
max−ND
min−ND
ND Region
Diesel Range Hydrocarbons water (ug/L)
5000
2000
1000
500
200
100
50
20
10
Winter
Det=84
ND=28
25%
Spring
Det=42
ND=31
42.5%
Summer
Det=24
ND=6
20%
Fall
Det=75
ND=17
18.5%



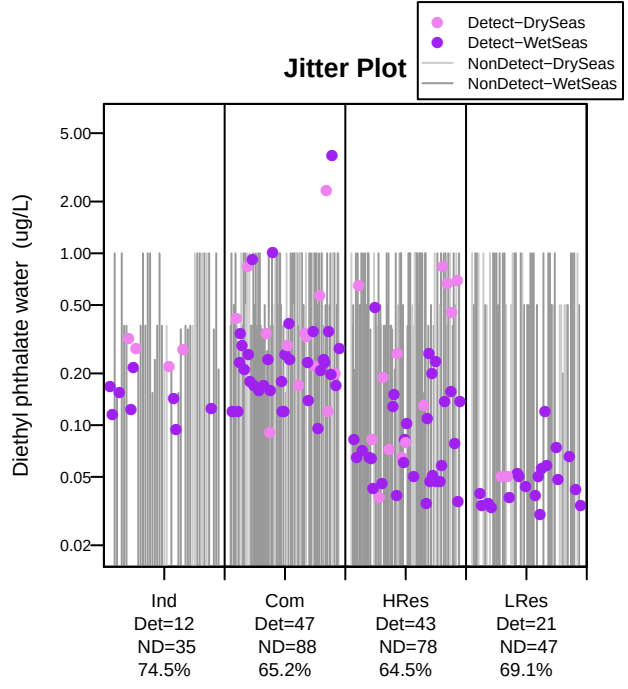
Not Plotted
(Case C)

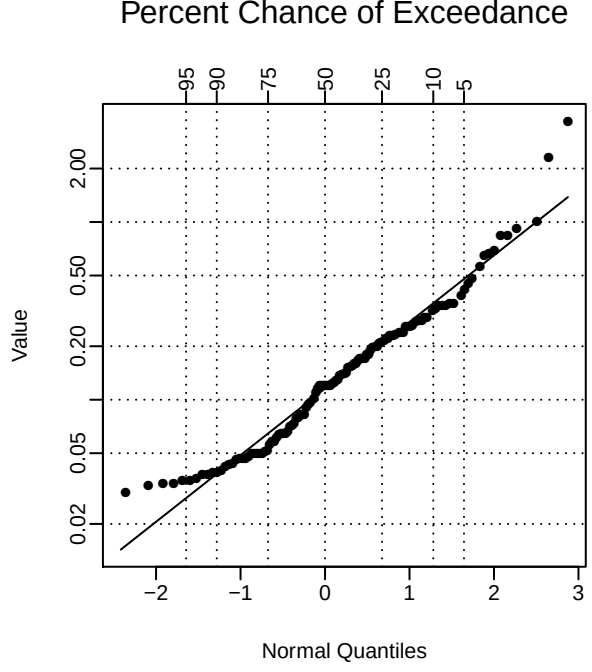


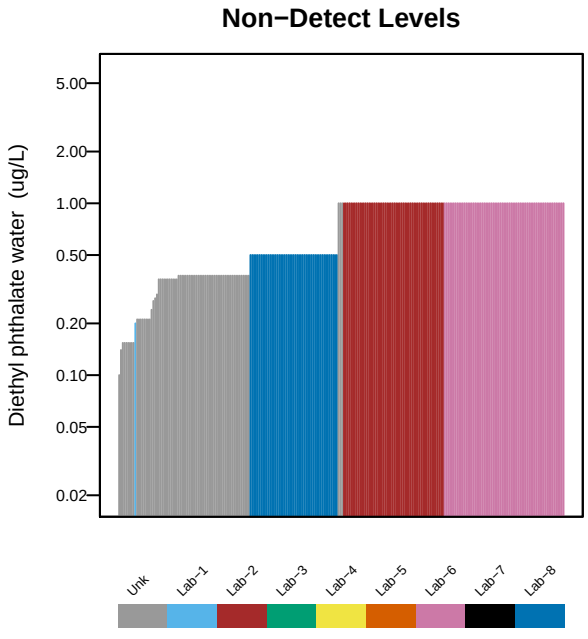
Not Plotted
(Less than 5 detections)

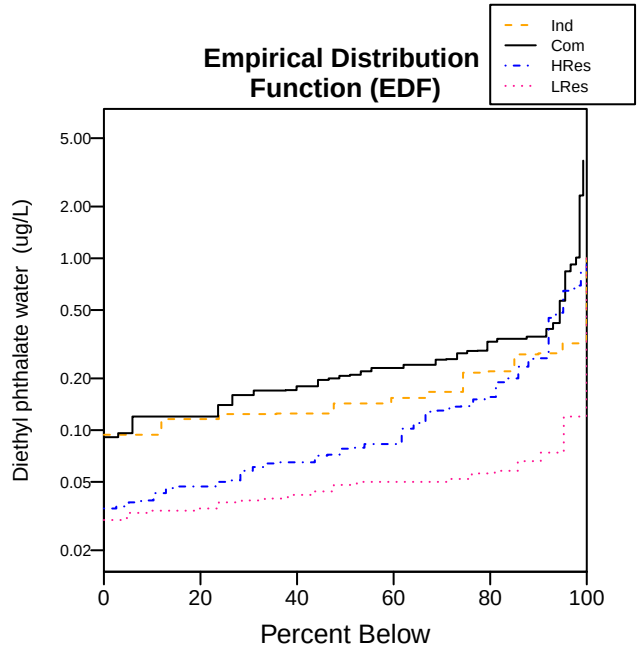
Not Plotted
(Case C)

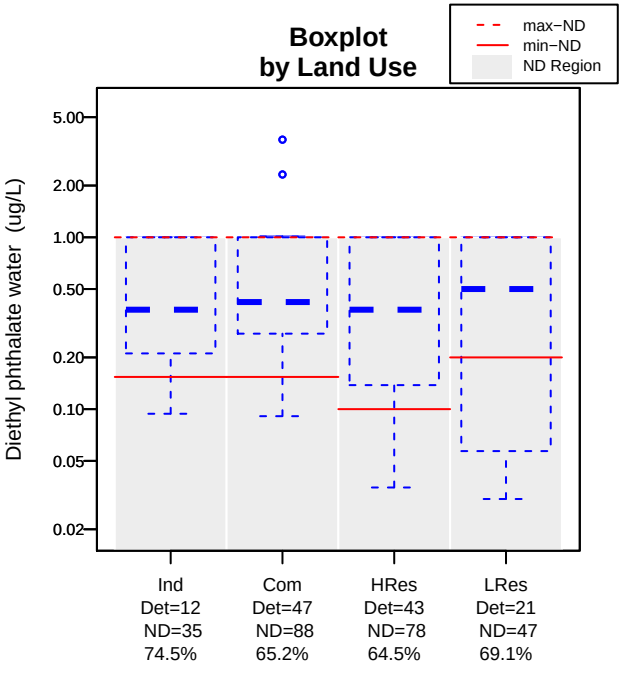
Not Plotted
(Case C)

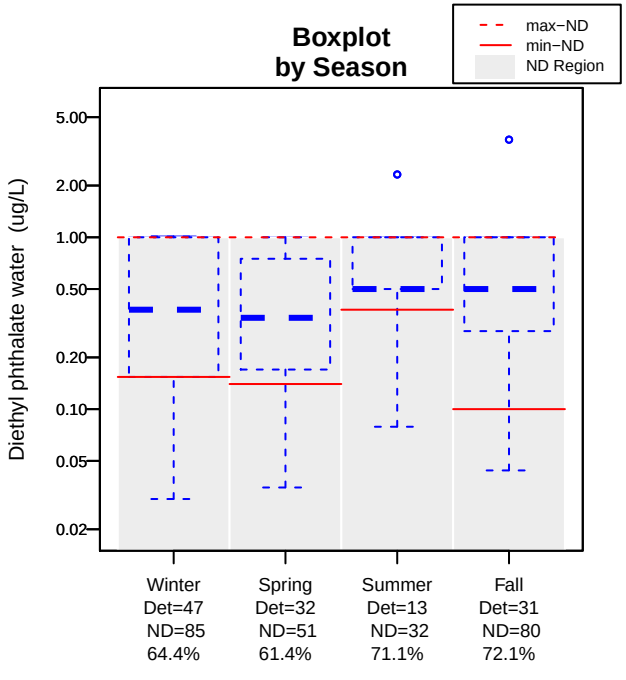

Jitter Plot
Detect−DrySeas
Detect−WetSeas
NonDetect−DrySeas
NonDetect−WetSeas
Diethyl phthalate water (ug/L)
5.00
2.00
1.00
0.50
0.20
0.10
0.05
0.02
Ind
Det=12
ND=35
74.5%
Com
Det=47
ND=88
65.2%
HRes
Det=43
ND=78
64.5%
LRes
Det=21
ND=47
69.1%

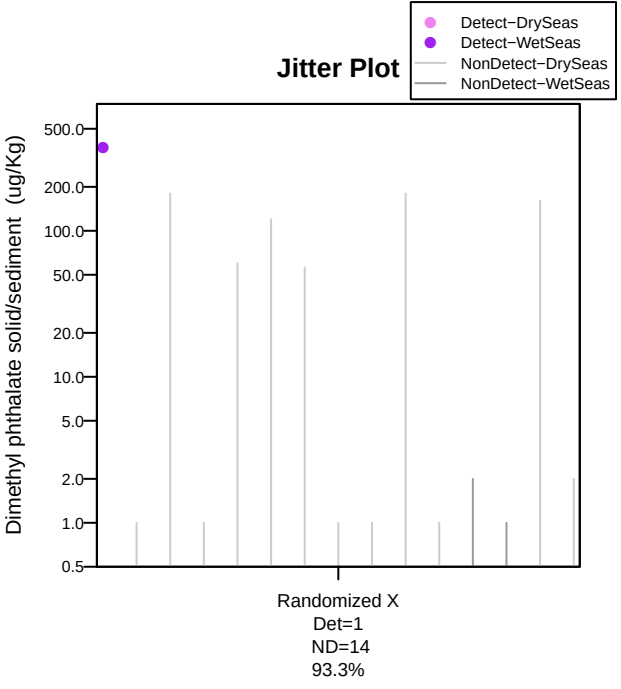

Percent Chance of Exceedance
95
90
75
50
25
10
5
Value
2.00
0.50
0.20
0.05
0.02
−2
−1
0
1
2
3
Normal Quantiles


Non−Detect Levels
Diethyl phthalate water (ug/L)
5.00
2.00
1.00
0.50
0.20
0.10
0.05
0.02
Unk
Lab−1
Lab−2
Lab−3
Lab−4
Lab−5
Lab−6
Lab−7
Lab−8

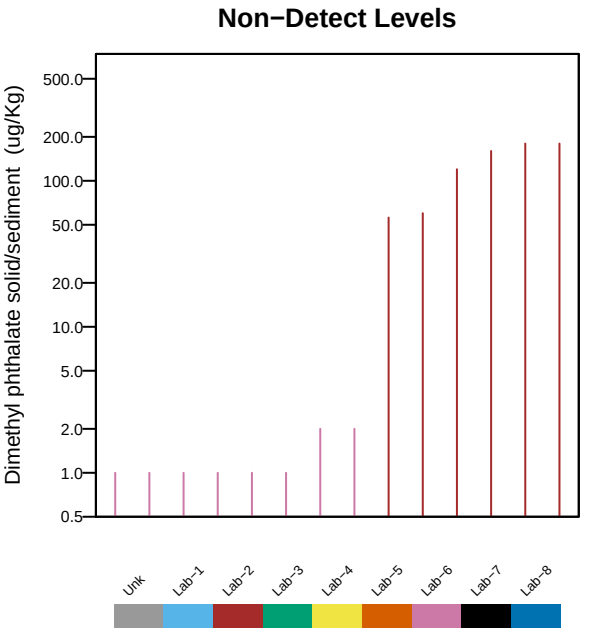

Empirical Distribution Function (EDF)
Ind
Com
HRes
LRes
Diethyl phthalate water (ug/L)
5.00
2.00
1.00
0.50
0.20
0.10
0.05
0.02
0
20
40
60
80
100
Percent Below


Boxplot by Land Use
max−ND
min−ND
ND Region
Diethyl phthalate water (ug/L)
5.00
2.00
1.00
0.50
0.20
0.10
0.05
0.02
Ind
Det=12
ND=35
74.5%
Com
Det=47
ND=88
65.2%
HRes
Det=43
ND=78
64.5%
LRes
Det=21
ND=47
69.1%


Boxplot by Season
max−ND
min−ND
ND Region
Diethyl phthalate water (ug/L)
5.00
2.00
1.00
0.50
0.20
0.10
0.05
0.02
Winter
Det=47
ND=85
64.4%
Spring
Det=32
ND=51
61.4%
Summer
Det=13
ND=32
71.1%
Fall
Det=31
ND=80
72.1%



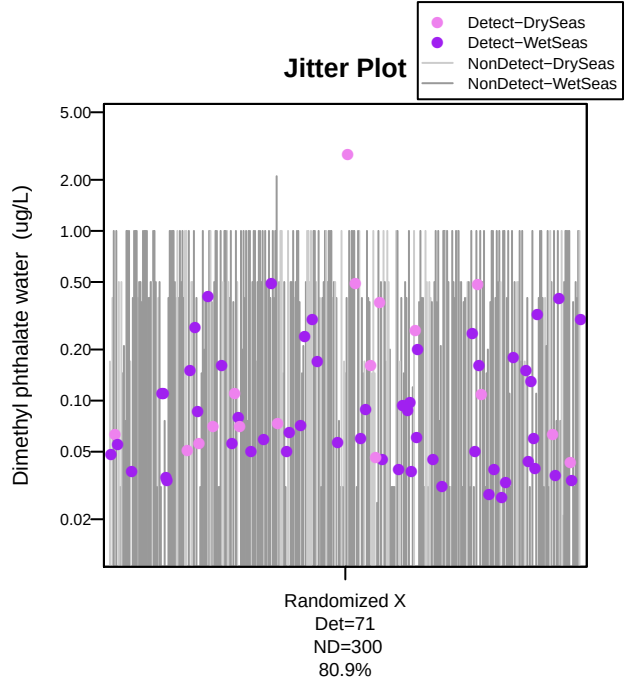
Not Plotted
(Case C)



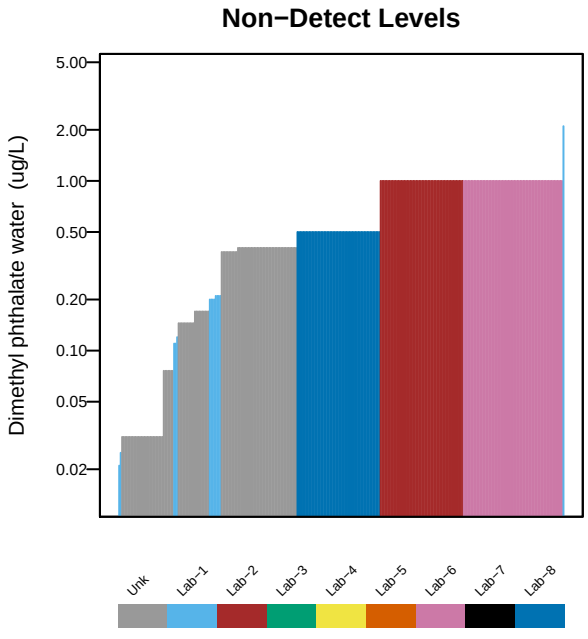
Not Plotted
(Less than 5 detections)

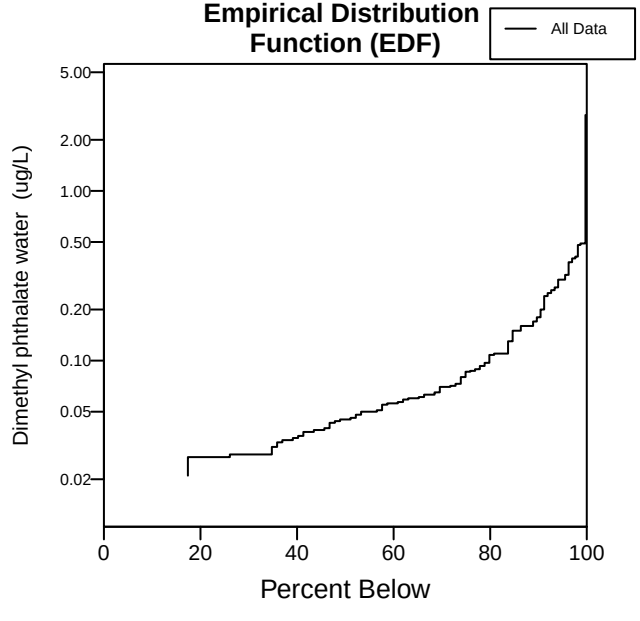
Not Plotted
(Case C)

Not Plotted
(Case C)



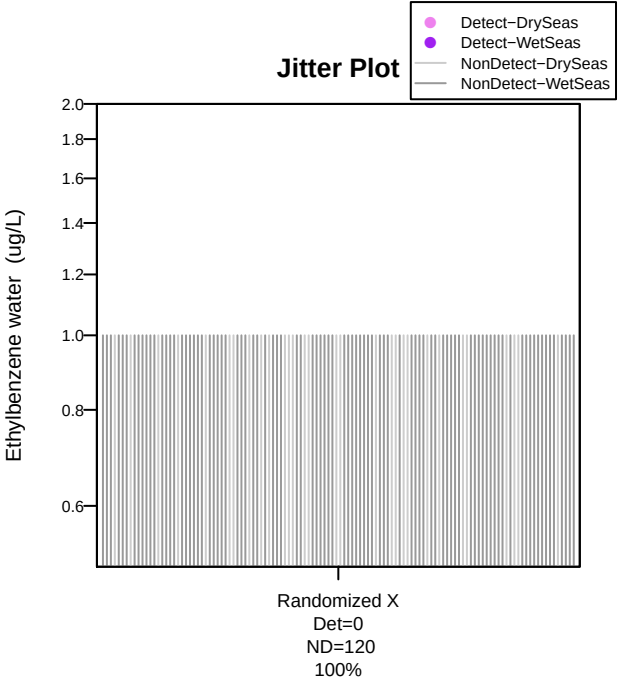
Not Plotted
(Case C)



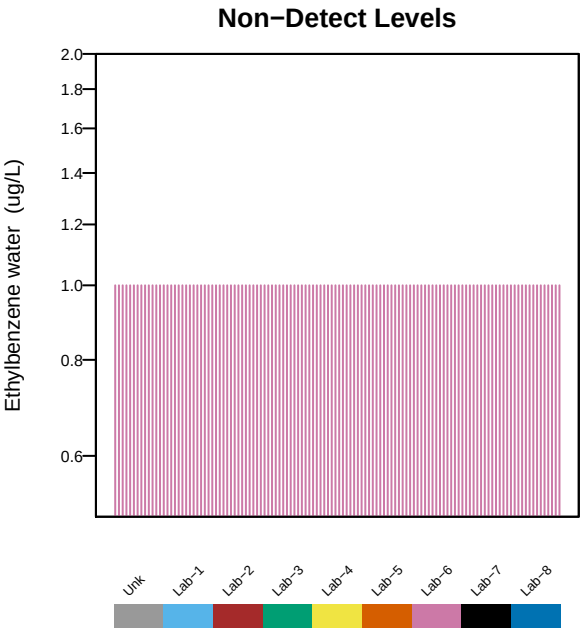


Not Plotted
(Case C)

Not Plotted
(Case C)



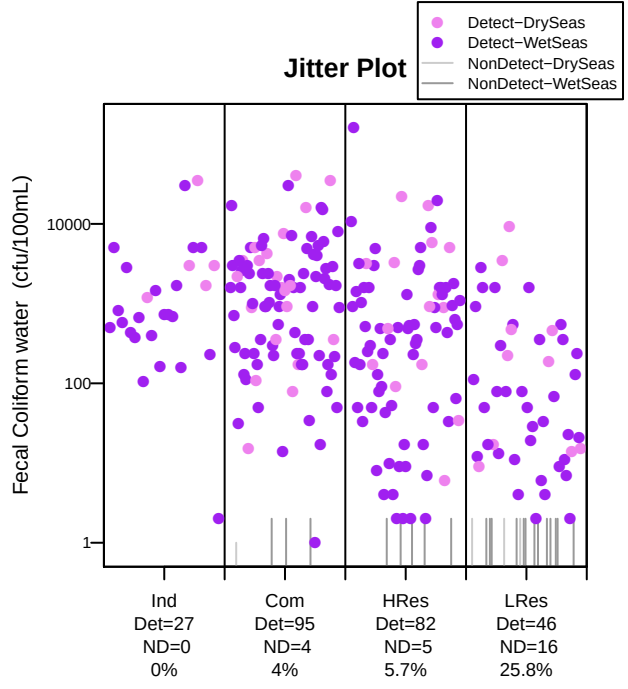
Not Plotted
(Case C)

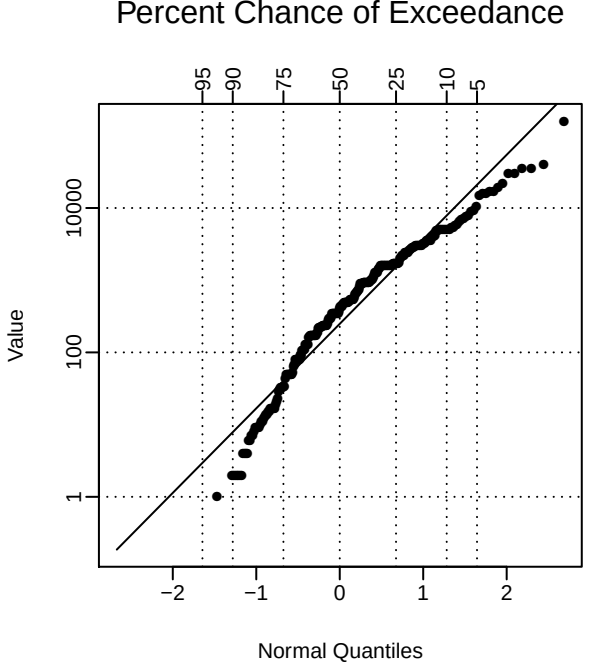


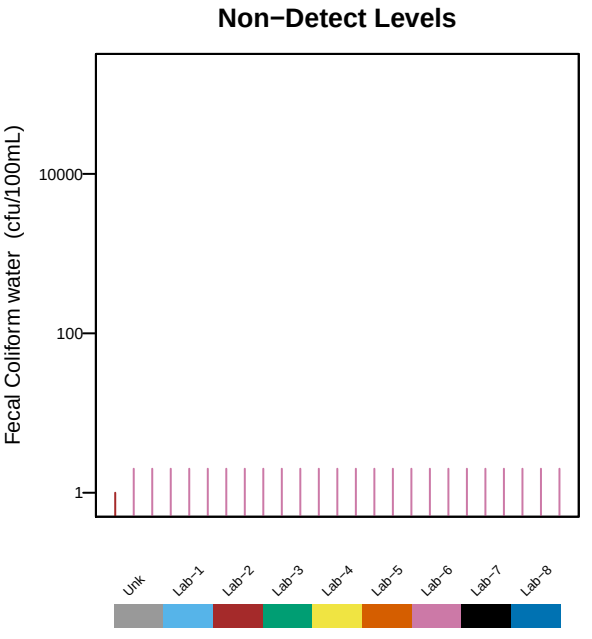
Not Plotted
(Less than 5 detections)

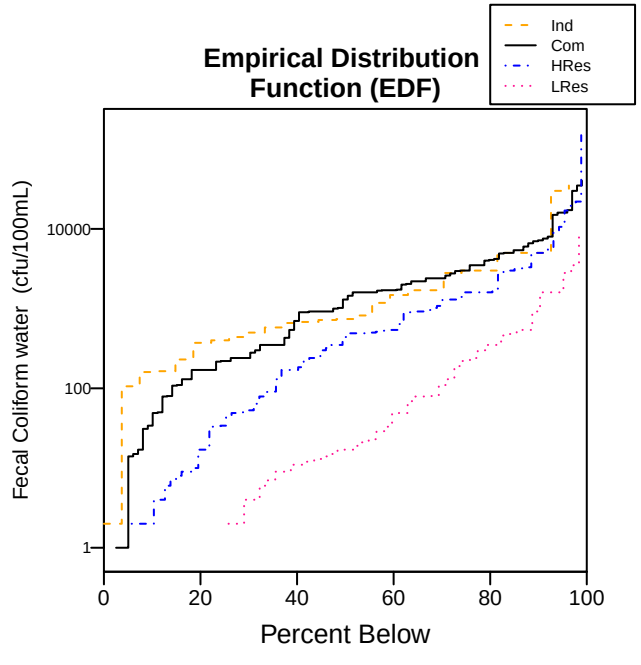
Not Plotted
(Case C)

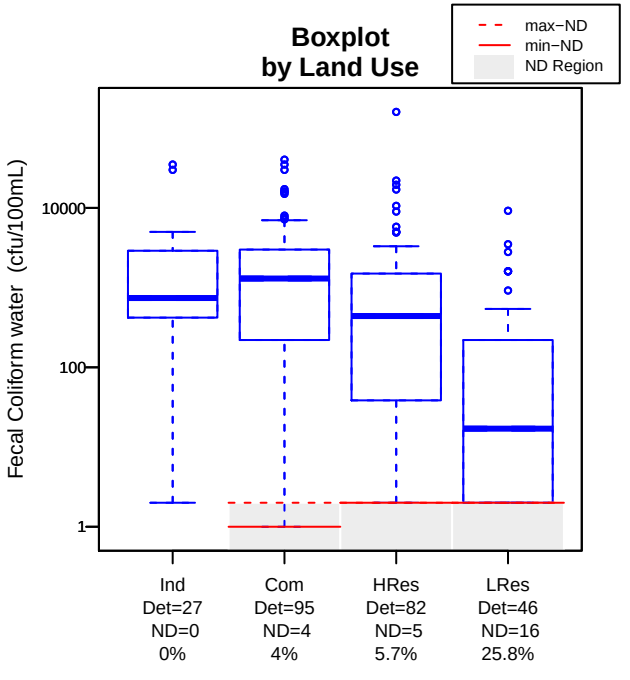
Not Plotted
(Case C)

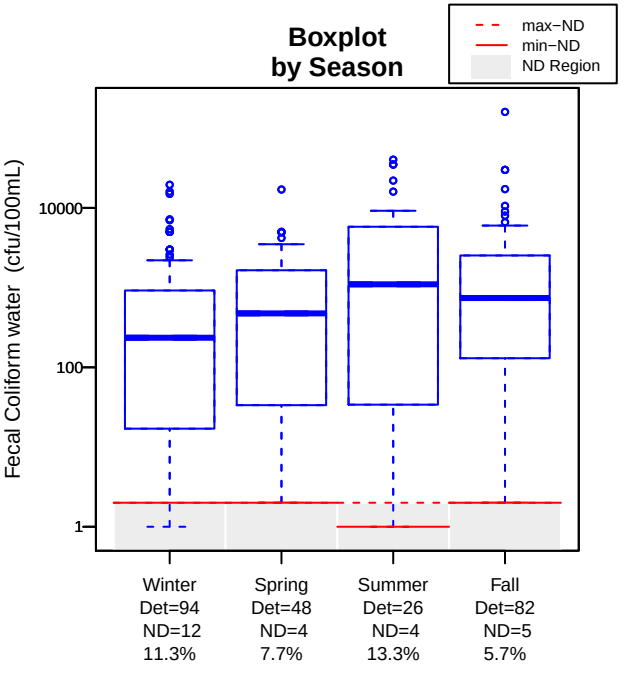

Jitter Plot
Detect−DrySeas
Detect−WetSeas
NonDetect−DrySeas
NonDetect−WetSeas
Fecal Coliform water (cfu/100mL)
10000
100
1
Ind
Det=27
ND=0
0%
Com
Det=95
ND=4
4%
HRes
Det=82
ND=5
5.7%
LRes
Det=46
ND=16
25.8%

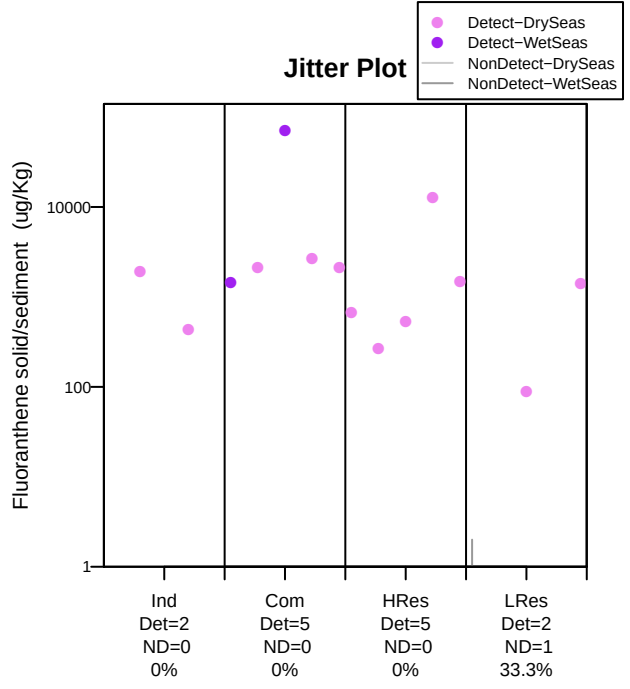

Percent Chance of Exceedance
95
90
75
50
25
10
5
Value
10000
100
1
−2
−1
0
1
2
Normal Quantuiles

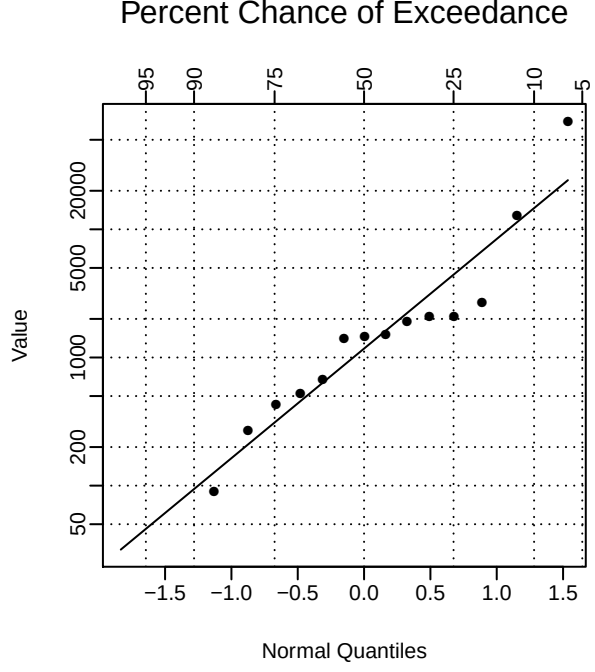

Non−Detect Levels
Fecal Coliform water (cfu/100mL)
10000
100
1
Unk
Lab−1
Lab−2
Lab−3
Lab−4
Lab−5
Lab−6
Lab−7
Lab−8

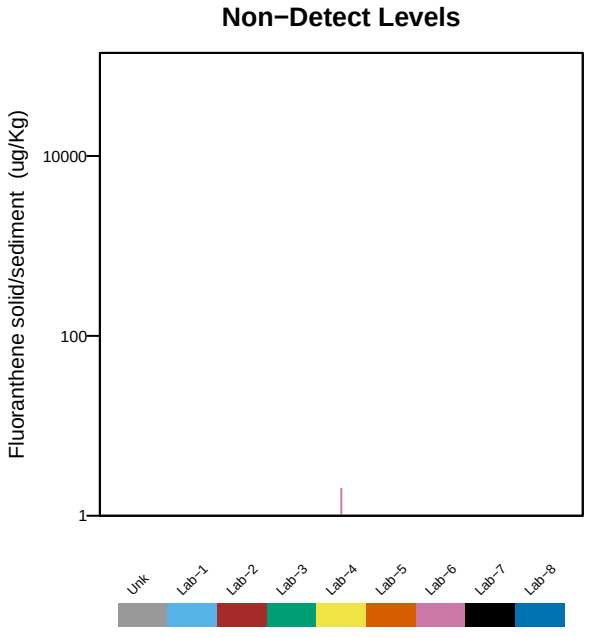

Empirical Distribution Function (EDF)
Ind
Com
HRes
LRes
Fecal Coliform water (cfu/100mL)
10000
100
1
0
20
40
60
80
100
Percent Below

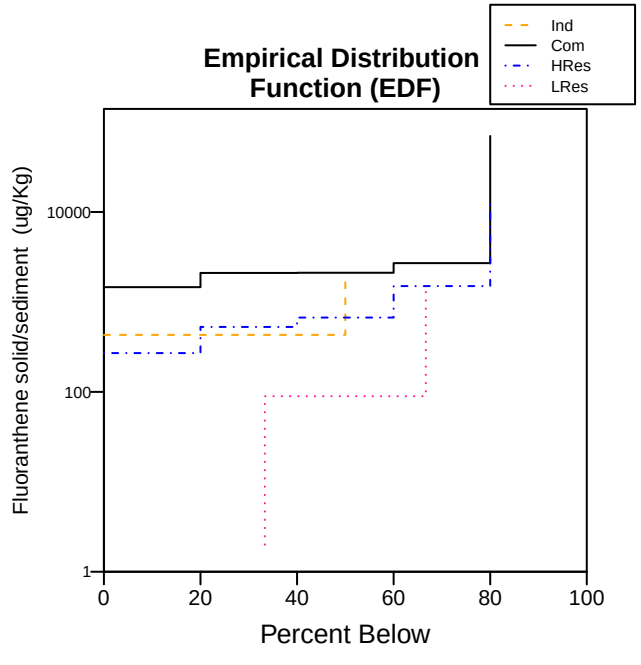

Boxplot by Land Use
max−ND
min−ND
ND Region
Fecal Coliform water (cfu/100mL)
10000
100
1
Ind
Det=27
ND=0
0%
Com
Det=95
ND=4
4%
HRes
Det=82
ND=5
5.7%
LRes
Det=46
ND=16
25.8%

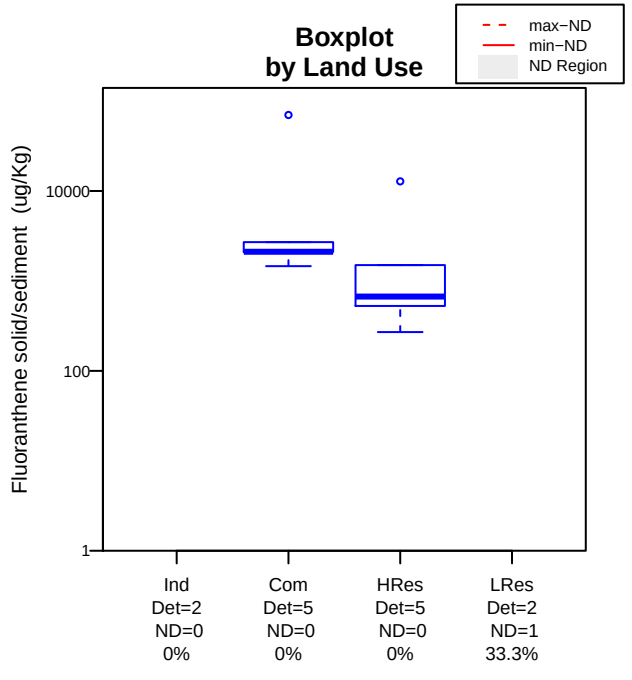

Boxplot by Season
max−ND
min−ND
ND Region
Fecal Coliform water (cfu/100mL)
10000
100
1
Winter
Det=94
ND=12
11.3%
Spring
Det=48
ND=4
7.7%
Summer
Det=26
ND=4
13.3%
Fall
Det=82
ND=5
5.7%

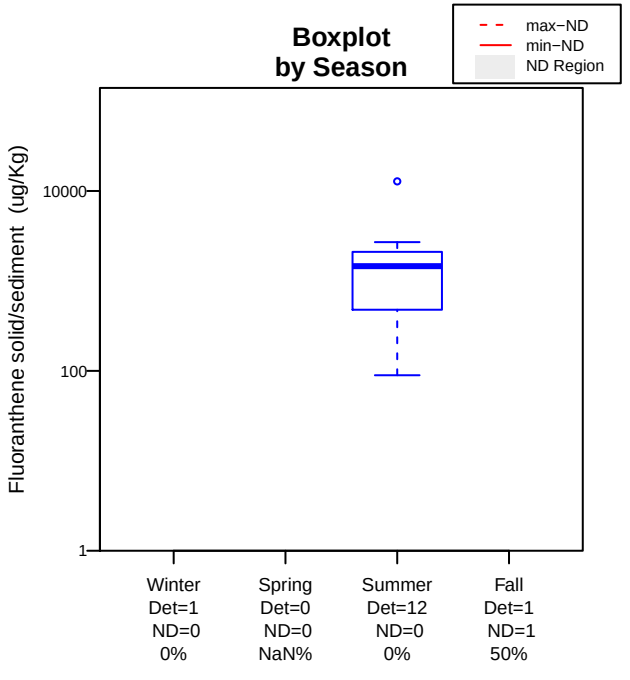

Jitter Plot
Detect−DrySeas
Detect−WetSeas
NonDetect−DrySeas
NonDetect−WetSeas
Fluoranthene solid/sediment (ug/Kg)
10000
100
1
Ind
Det=2
ND=0
0%
Com
Det=5
ND=0
0%
HRes
Det=5
ND=0
0%
LRes
Det=2
ND=1
33.3%

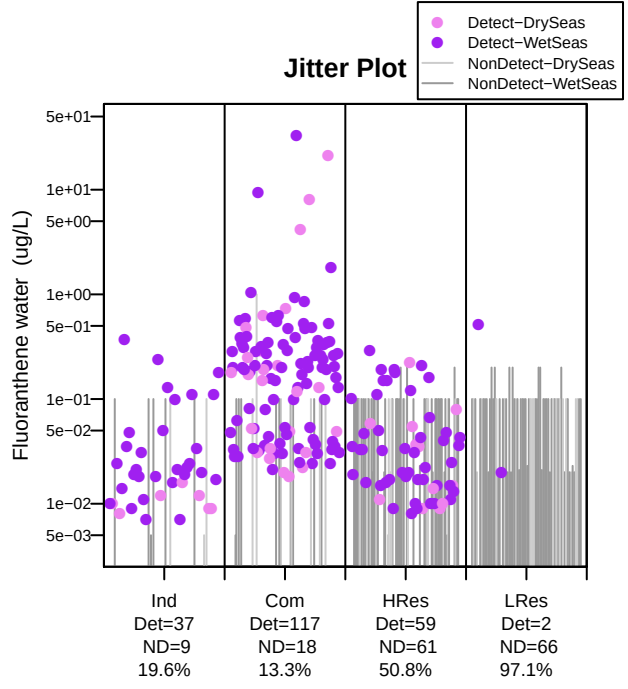

Percent Chance of Exceedance
95
90
75
50
25
10
5
Value
20000
5000
1000
200
50
−1.5
−1.0
−0.5
0.0
0.5
1.0
1.5
Normal Quantiles

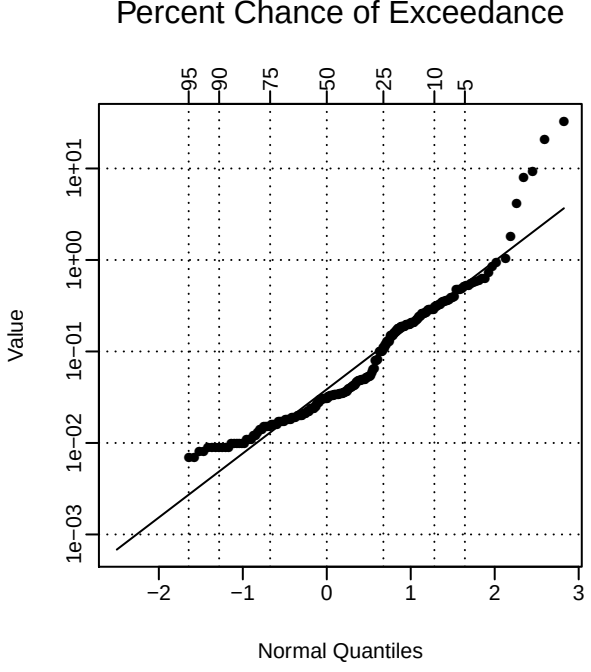

Non−Detect Levels
Fluoranthene solid/sediment (ug/Kg)
10000
100
1
Unk
Lab−1
Lab−2
Lab−3
Lab−4
Lab−5
Lab−6
Lab−7
Lab−8

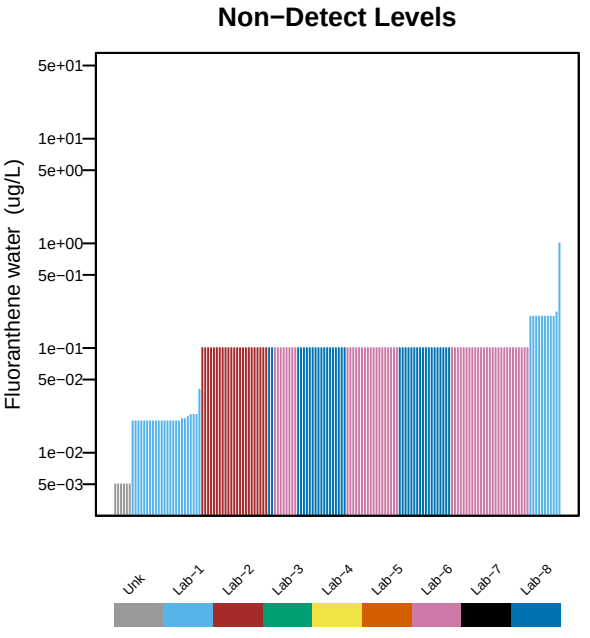

Empirical Distribution
Function (EDF)
Ind
Com
HRes
LRes
Fluoranthene solid/sediment (ug/Kg)
10000
100
1
0
20
40
60
80
100
Percent Below

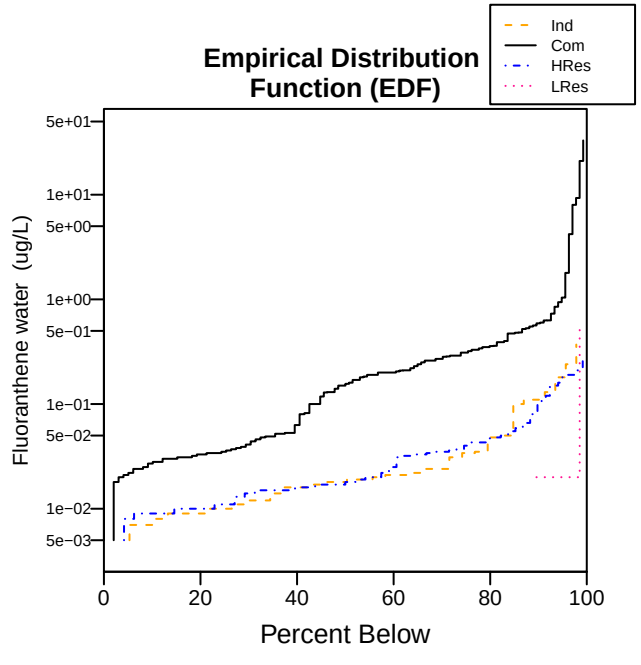

Boxplot
by Land Use
max−ND
min−ND
ND Region
Fluoranthene solid/sediment (ug/Kg)
10000
100
1
Ind
Det=2
ND=0
0%
Com
Det=5
ND=0
0%
HRes
Det=5
ND=0
0%
LRes
Det=2
ND=1
33.3%

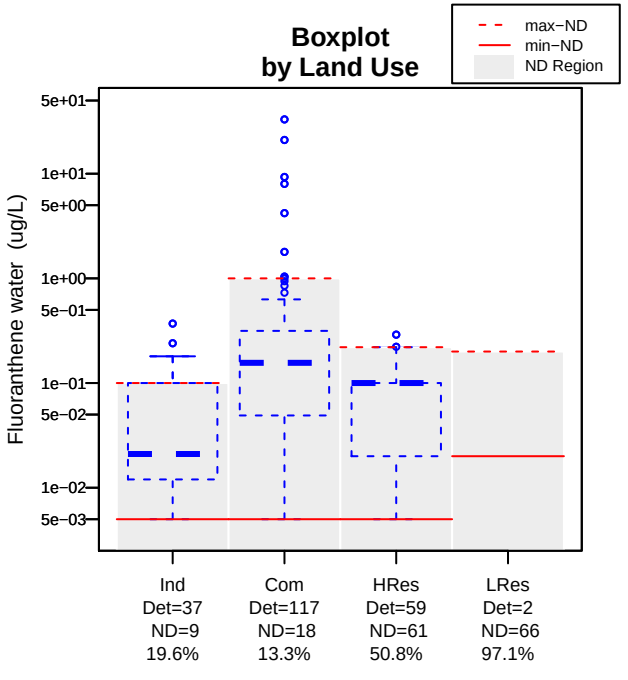

Boxplot
by Season
max−ND
min−ND
ND Region
Fluoranthene solid/sediment (ug/Kg)
10000
100
1
Winter
Det=1
ND=0
0%
Spring
Det=0
ND=0
NaN%
Summer
Det=12
ND=0
0%
Fall
Det=1
ND=1
50%

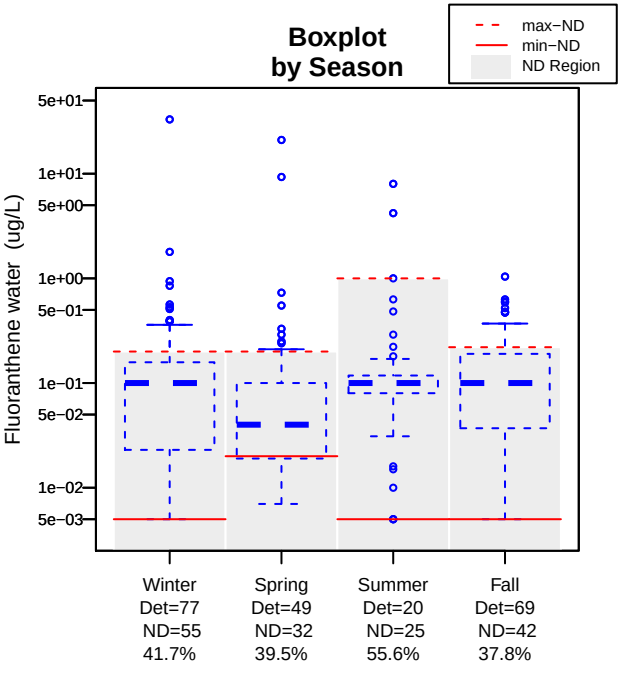

Jitter Plot
Detect−DrySeas
Detect−WetSeas
NonDetect−DrySeas
NonDetect−WetSeas
Fluoranthene water (ug/L)
5e+01
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
1e−02
5e−03
Ind
Det=37
ND=9
19.6%
Com
Det=117
ND=18
13.3%
HRes
Det=59
ND=61
50.8%
LRes
Det=2
ND=66
97.1%

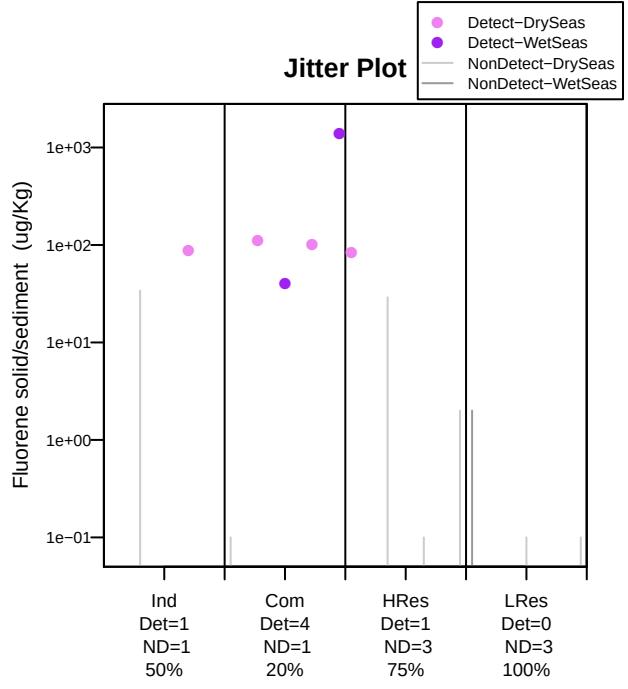

Percent Chance of Exceedance
95
90
75
50
25
10
5
Value
1e+01
1e+00
1e−01
1e−02
1e−03
−2
−1
0
1
2
3
Normal Quantiles

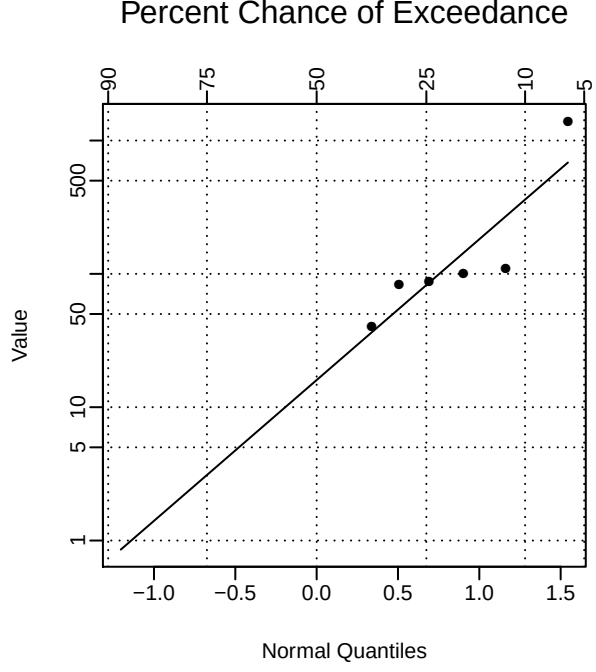

Non−Detect Levels
Fluoranthene water (ug/L)
5e+01
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
1e−02
5e−03
Unk
Lab−1
Lab−2
Lab−3
Lab−4
Lab−5
Lab−6
Lab−7
Lab−8

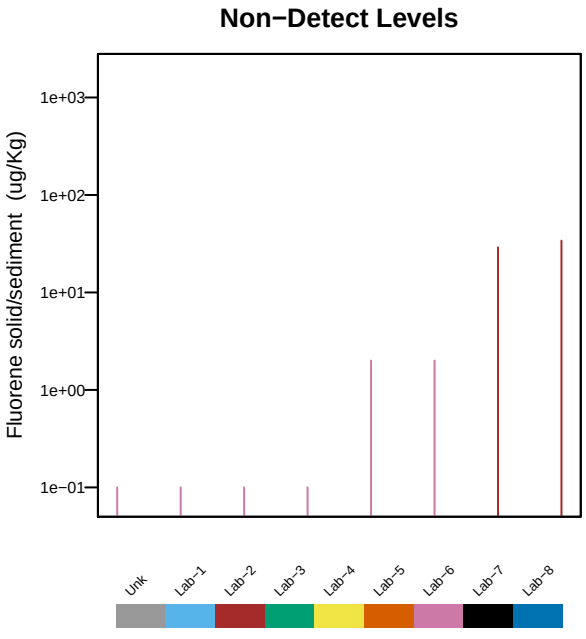

Empirical Distribution Function (EDF)
Ind
Com
HRes
LRes
Fluoranthene water (ug/L)
5e+01
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
1e−02
5e−03
0
20
40
60
80
100
Percent Below

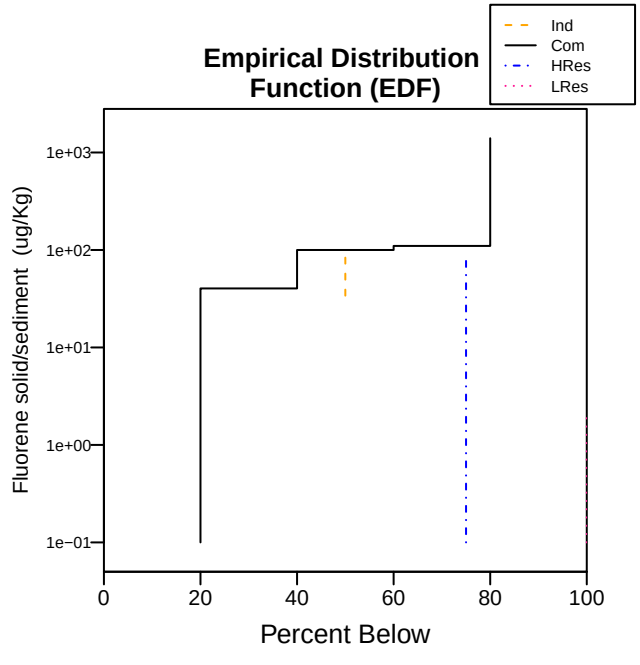

Boxplot by Land Use
max−ND
min−ND
ND Region
Fluoranthene water (ug/L)
5e+01
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
1e−02
5e−03
Ind
Det=37
ND=9
19.6%
Com
Det=117
ND=18
13.3%
HRes
Det=59
ND=61
50.8%
LRes
Det=2
ND=66
97.1%


Boxplot by Season
max−ND
min−ND
ND Region
Fluoranthene water (ug/L)
5e+01
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
1e−02
5e−03
Winter
Det=77
ND=55
41.7%
Spring
Det=49
ND=32
39.5%
Summer
Det=20
ND=25
55.6%
Fall
Det=69
ND=42
37.8%



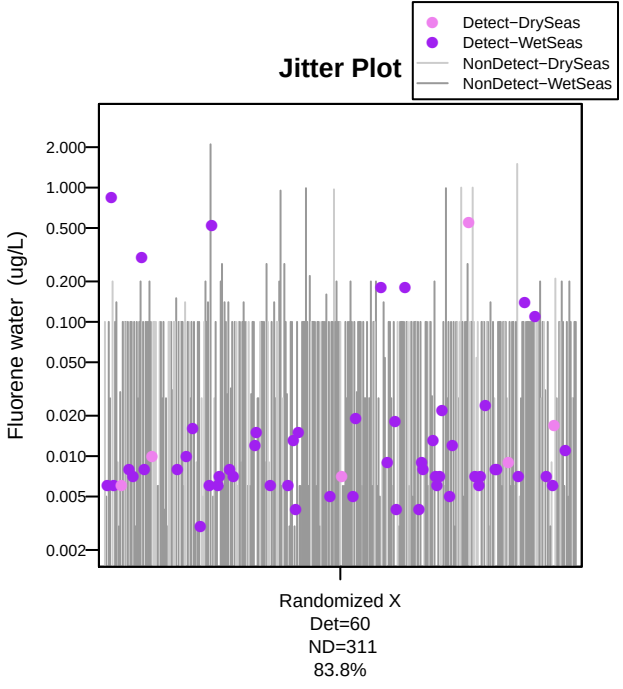




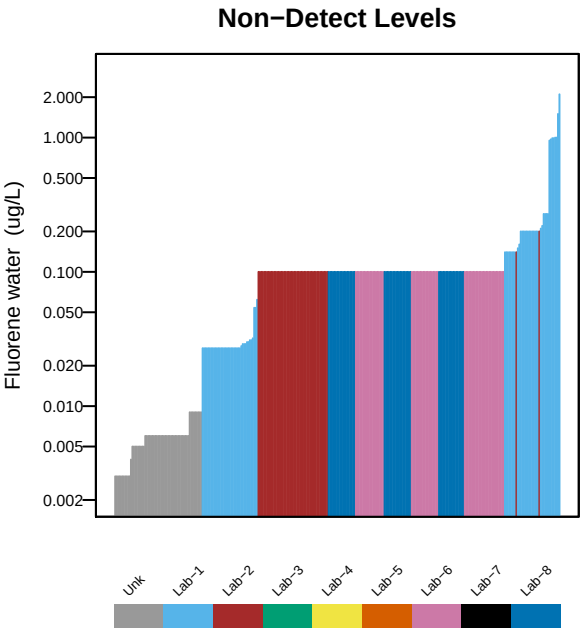


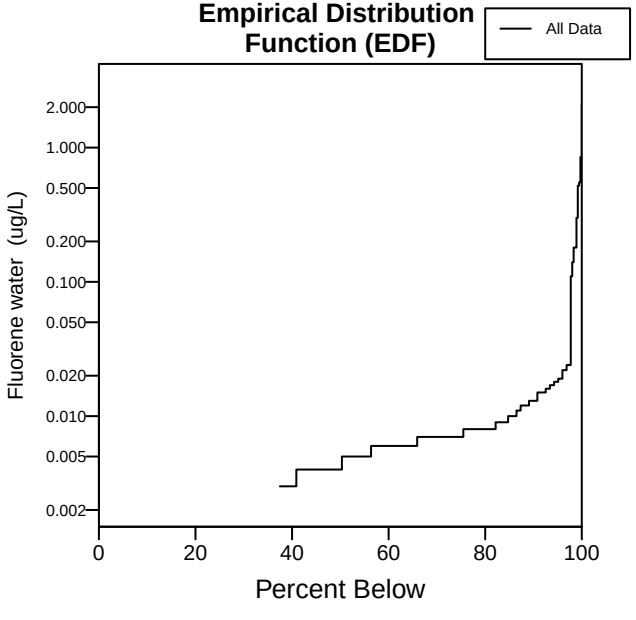
Not Plotted
(No land use has 5 or more detections)

Not Plotted
(No season has 5 or more detections)



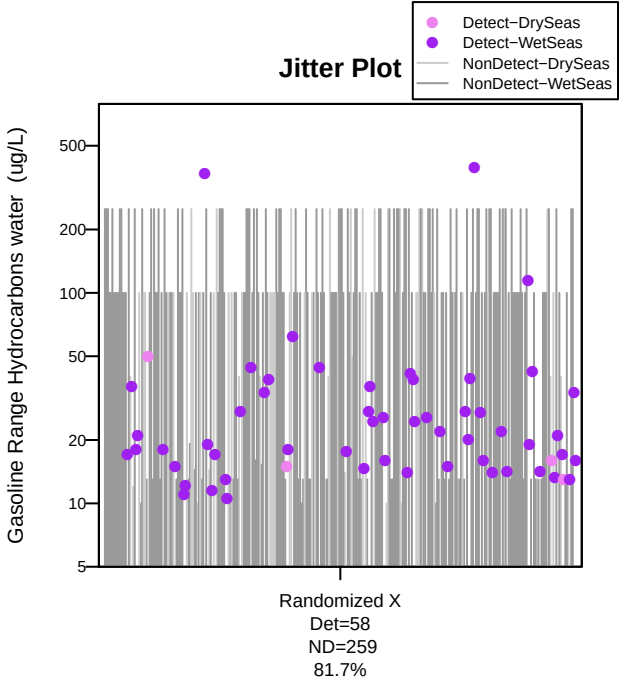
Not Plotted
(Case C)



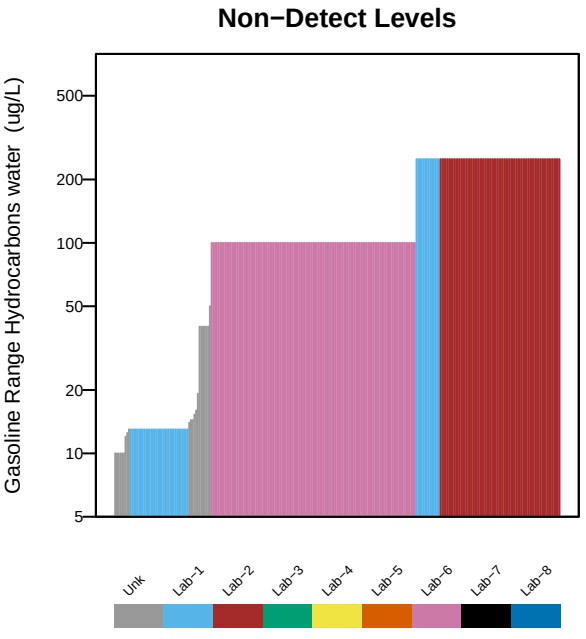


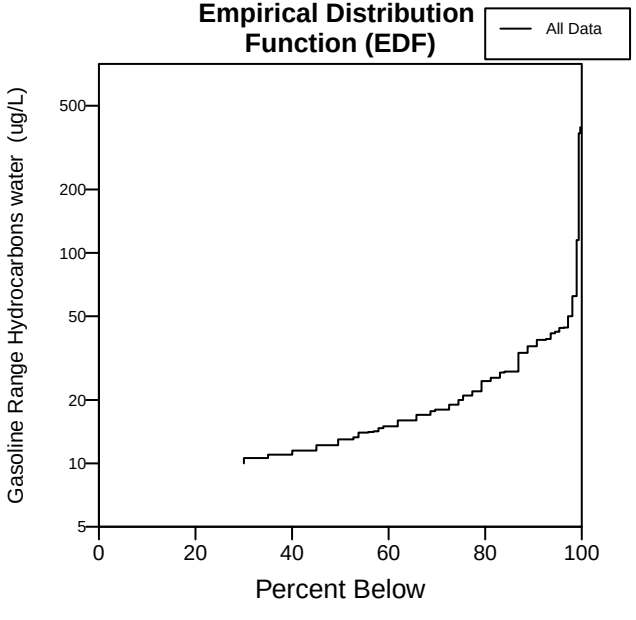
Not Plotted
(Case C)

Not Plotted
(Case C)



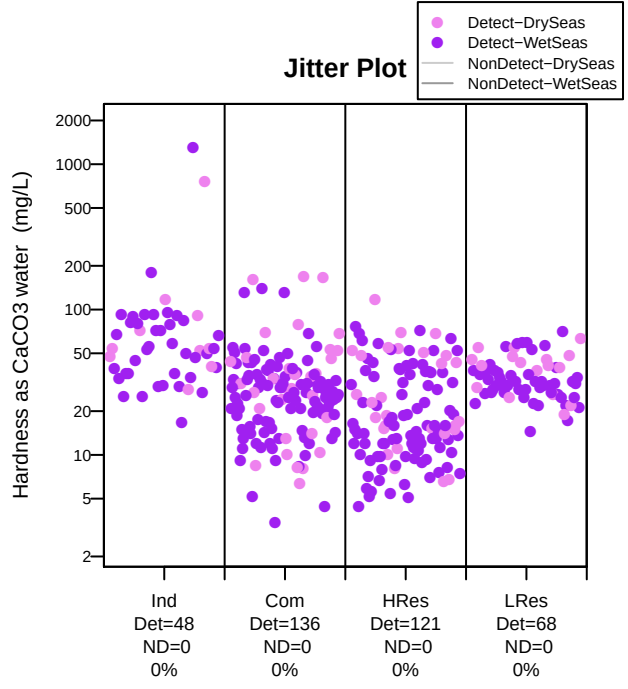
Not Plotted
(Case C)

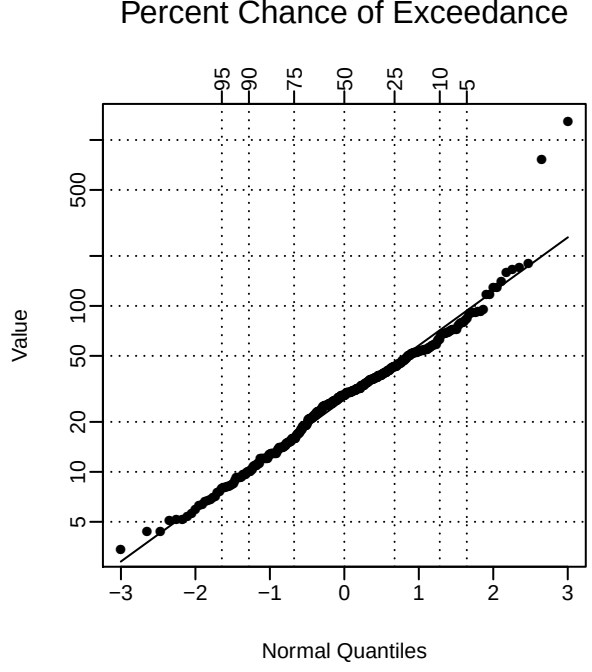




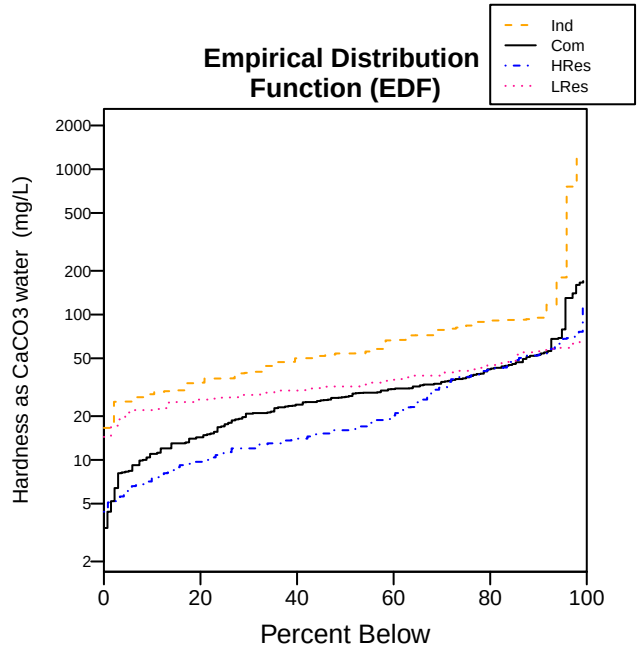
Not Plotted
(Case C)

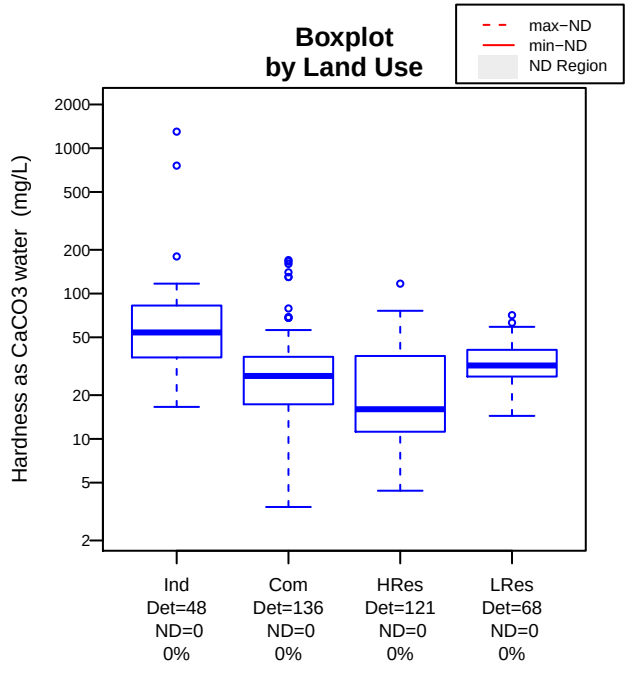
Not Plotted
(Case C)

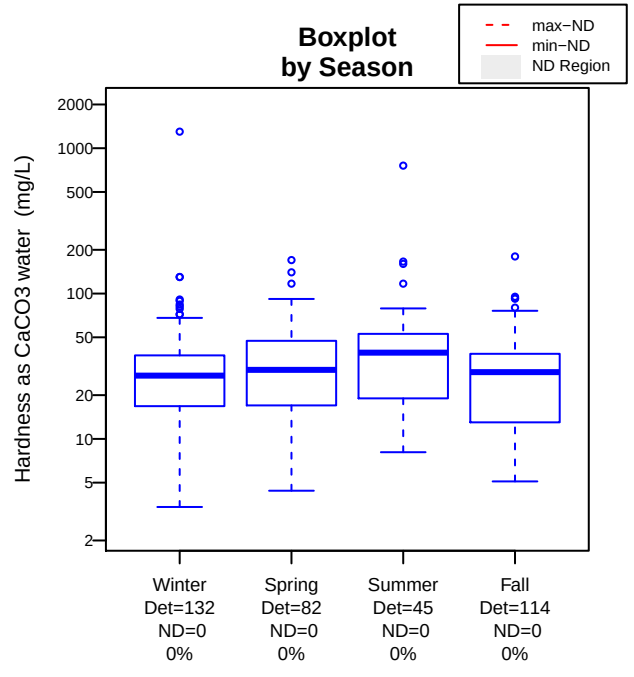


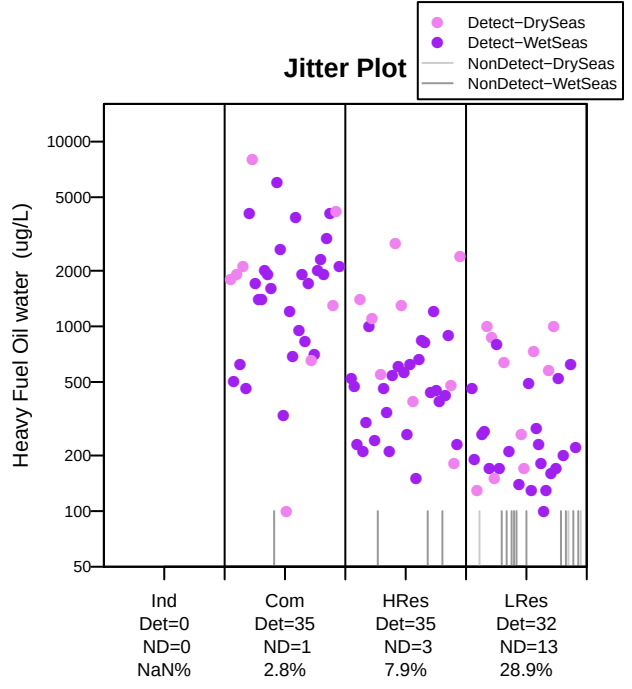


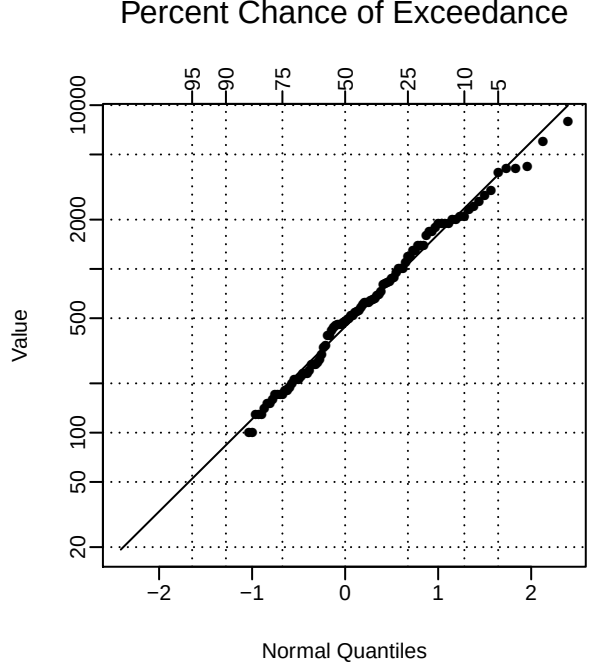
Not Plotted
(No Non−Detects)

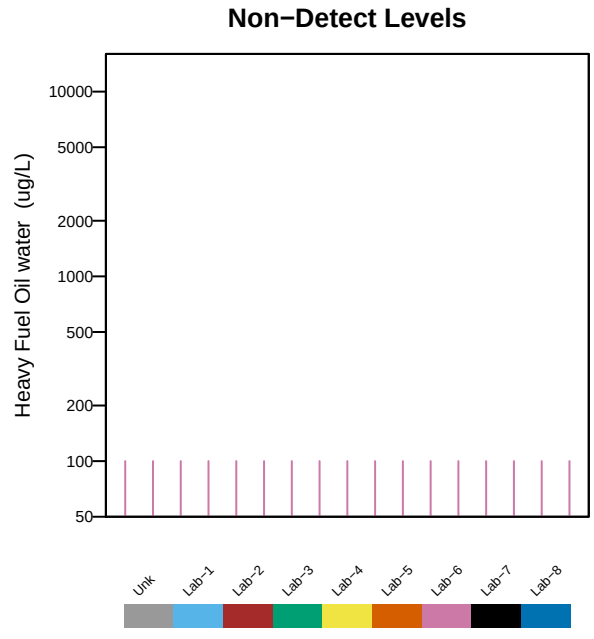


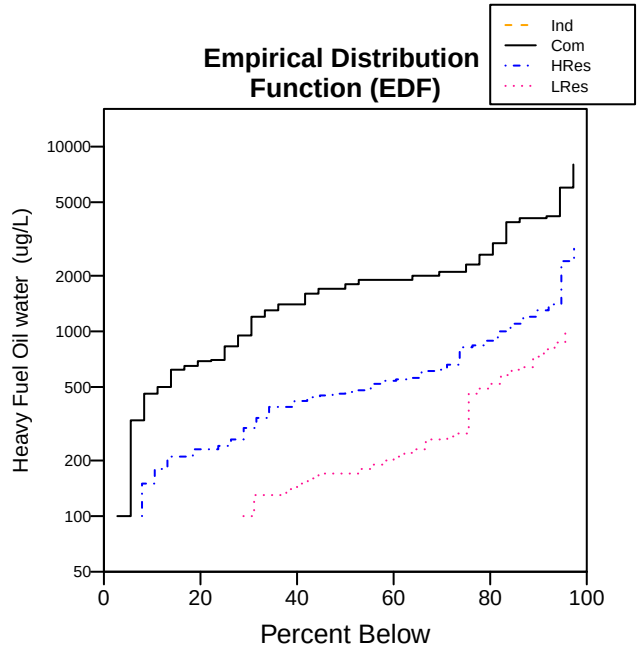


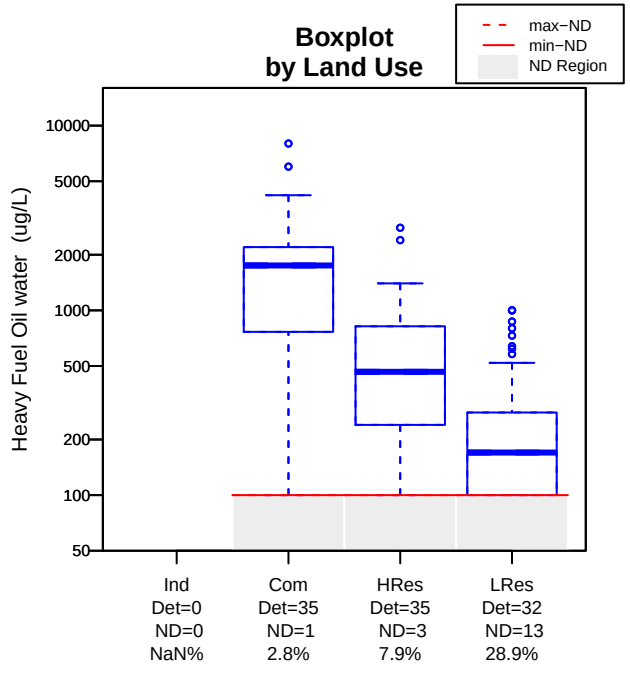


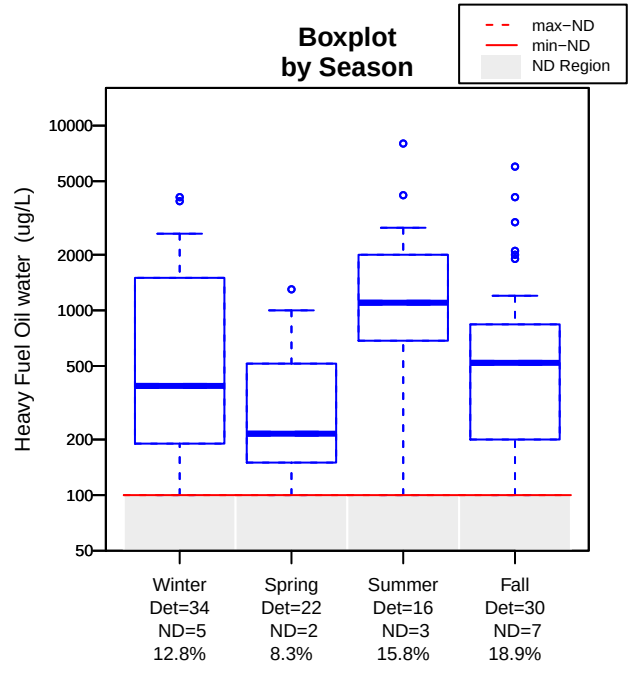

Jitter Plot
Detect−DrySeas
Detect−WetSeas
NonDetect−DrySeas
NonDetect−WetSeas
Heavy Fuel Oil water (ug/L)
10000
5000
2000
1000
500
200
100
50
Ind
Det=0
ND=0
NaN%
Com
Det=35
ND=1
2.8%
HRes
Det=35
ND=3
7.9%
LRes
Det=32
ND=13
28.9%

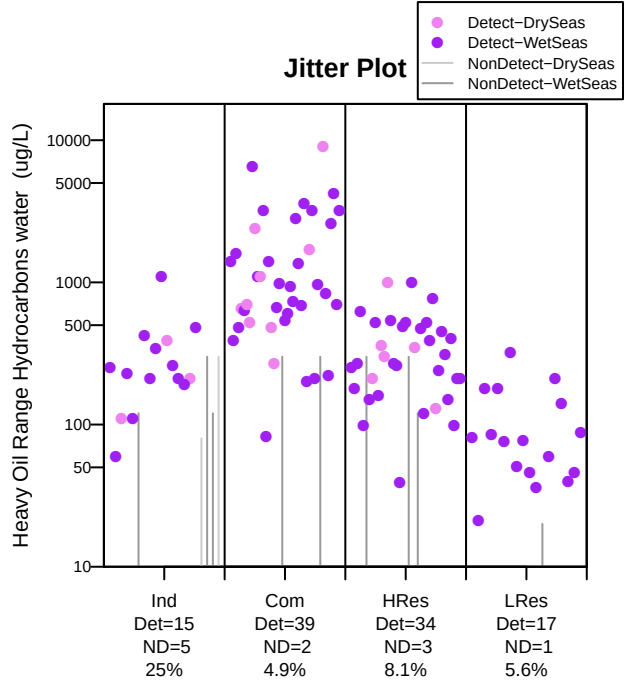

Percent Chance of Exceedance
95
90
75
50
25
10
5
Value
10000
2000
500
100
50
20
−2
−1
0
1
2
Normal Quantiles

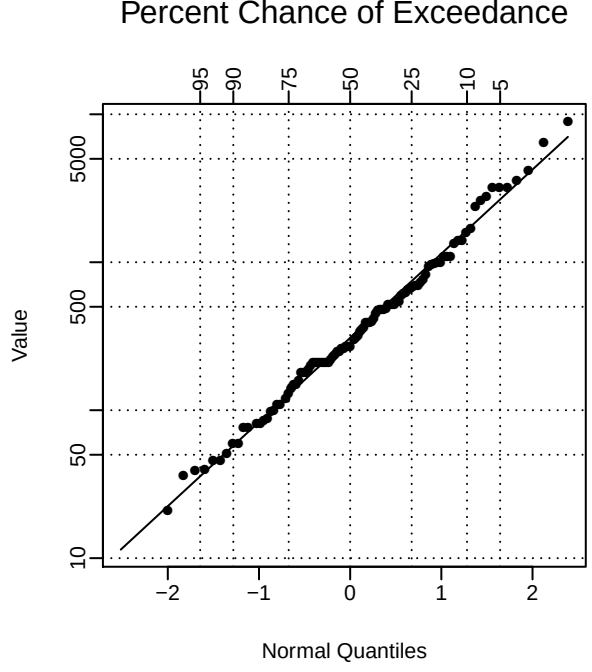

Non−Detect Levels
Heavy Fuel Oil water (ug/L)
10000
5000
2000
1000
500
200
100
50
Unk
Lab−1
Lab−2
Lab−3
Lab−4
Lab−5
Lab−6
Lab−7
Lab−8

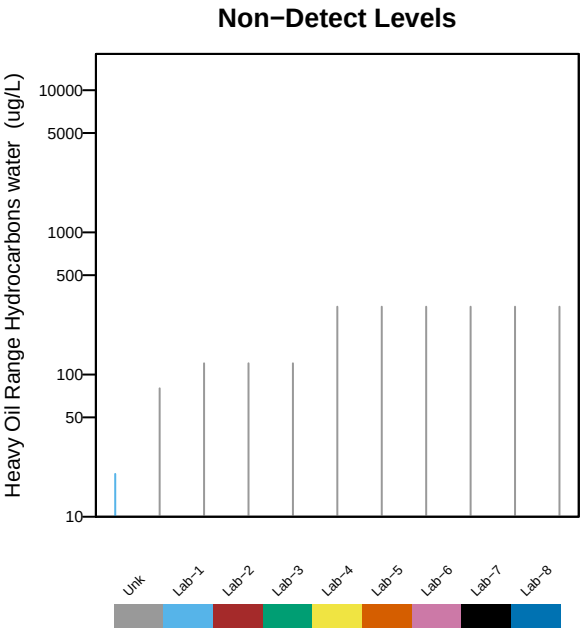

Empirical Distribution Function (EDF)
Ind
Com
HRes
LRes
Heavy Fuel Oil water (ug/L)
10000
5000
2000
1000
500
200
100
50
0
20
40
60
80
100
Percent Below

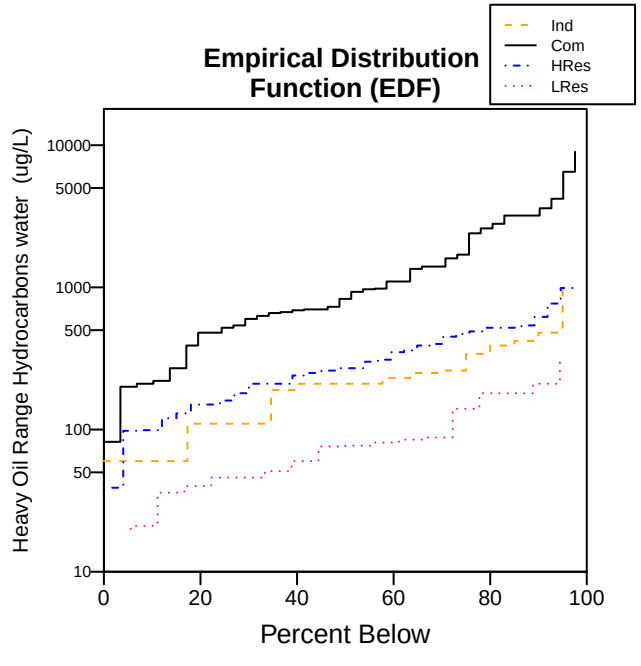

Boxplot by Land Use
max−ND
min−ND
ND Region
Heavy Fuel Oil water (ug/L)
10000
5000
2000
1000
500
200
100
50
Ind
Det=0
ND=0
NaN%
Com
Det=35
ND=1
2.8%
HRes
Det=35
ND=3
7.9%
LRes
Det=32
ND=13
28.9%

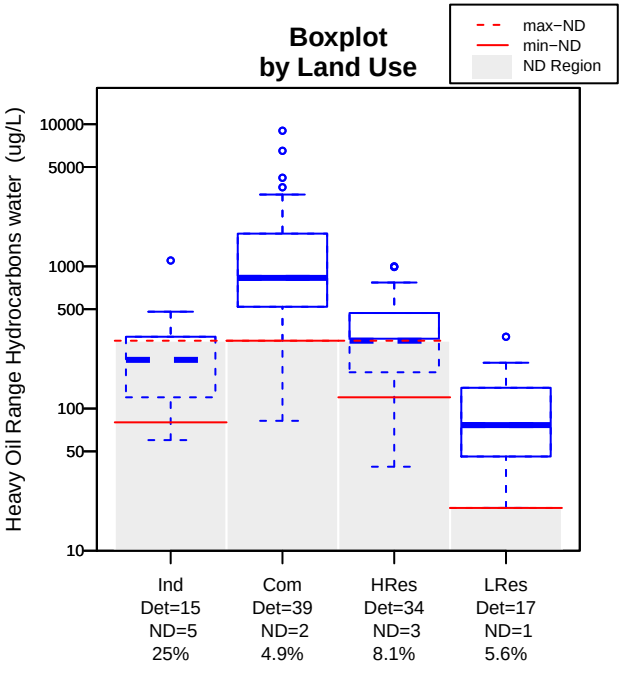

Boxplot by Season
max−ND
min−ND
ND Region
Heavy Fuel Oil water (ug/L)
10000
5000
2000
1000
500
200
100
50
Winter
Det=34
ND=5
12.8%
Spring
Det=22
ND=2
8.3%
Summer
Det=16
ND=3
15.8%
Fall
Det=30
ND=7
18.9%

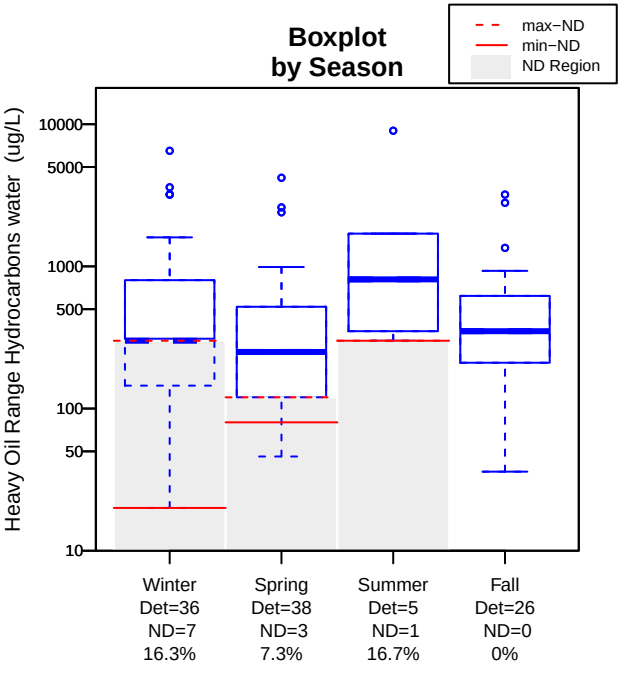

Jitter Plot
Detect−DrySeas
Detect−WetSeas
NonDetect−DrySeas
NonDetect−WetSeas
Heavy Oil Range Hydrocarbons water (ug/L)
10000
5000
1000
500
100
50
10
Ind
Det=15
ND=5
25%
Com
Det=39
ND=2
4.9%
HRes
Det=34
ND=3
8.1%
LRes
Det=17
ND=1
5.6%

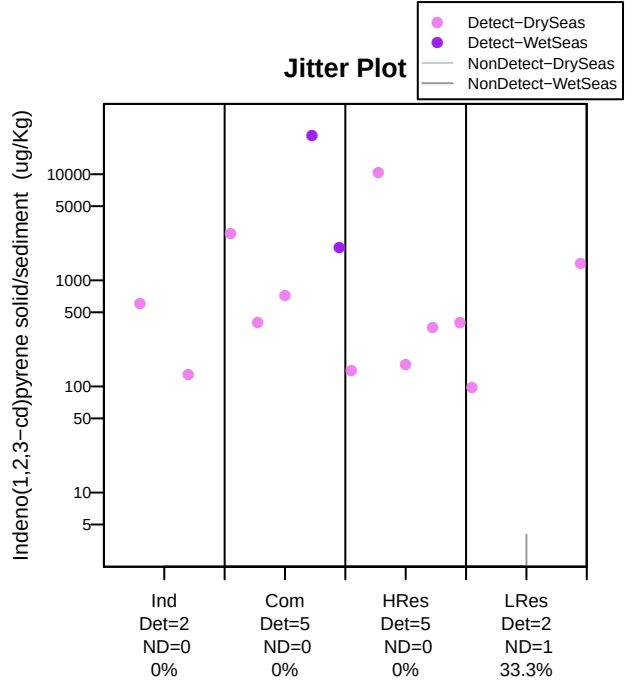

Percent Chance of Exceedance
95
90
75
50
25
10
5
Value
5000
500
50
10
−2
−1
0
1
2
Normal Quantuiles

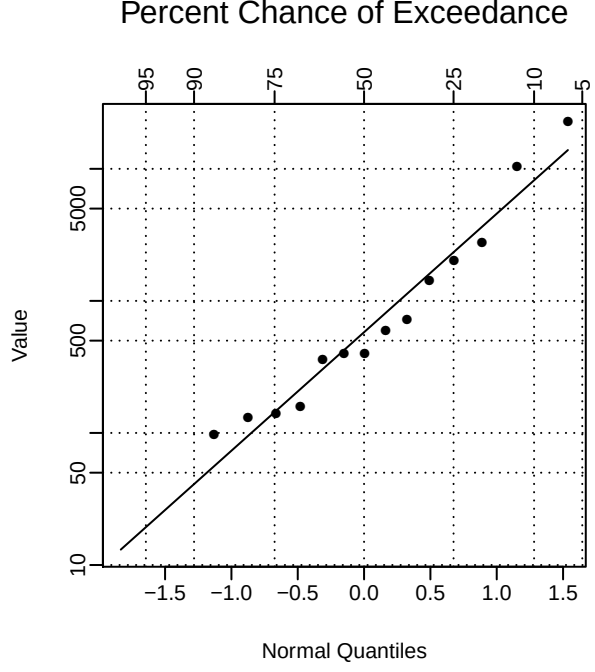

Non−Detect Levels
Heavy Oil Range Hydrocarbons water (ug/L)
10000
5000
1000
500
100
50
10
Unk
Lab−1
Lab−2
Lab−3
Lab−4
Lab−5
Lab−6
Lab−7
Lab−8

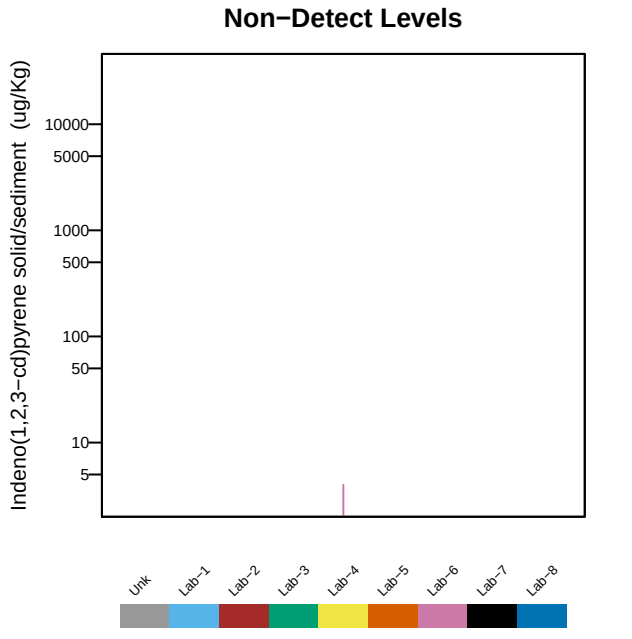

Empirical Distribution Function (EDF)
Ind
Com
HRes
LRes
Heavy Oil Range Hydrocarbons water (ug/L)
10000
5000
1000
500
100
50
10
0
20
40
60
80
100
Percent Below

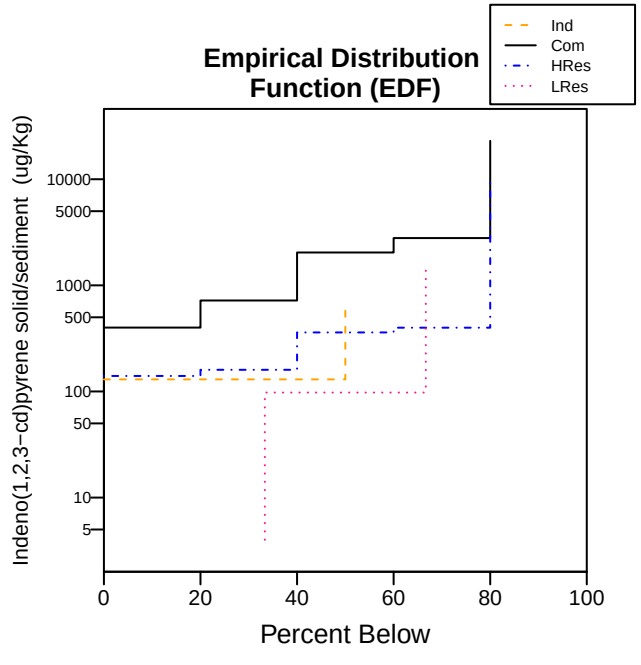

Boxplot by Land Use
max−ND
min−ND
ND Region
Heavy Oil Range Hydrocarbons water (ug/L)
10000
5000
1000
500
100
50
10
Ind
Det=15
ND=5
25%
Com
Det=39
ND=2
4.9%
HRes
Det=34
ND=3
8.1%
LRes
Det=17
ND=1
5.6%

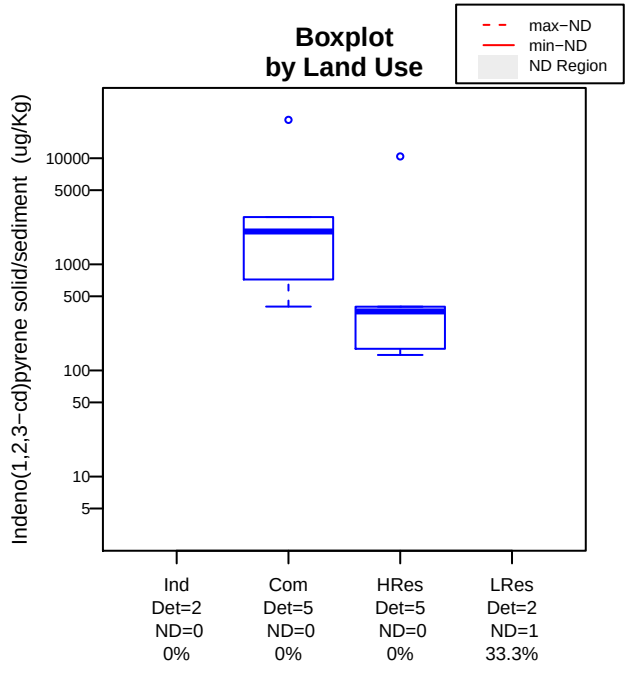

Boxplot by Season
max−ND
min−ND
ND Region
Heavy Oil Range Hydrocarbons water (ug/L)
10000
5000
1000
500
100
50
10
Winter
Det=36
ND=7
16.3%
Spring
Det=38
ND=3
7.3%
Summer
Det=5
ND=1
16.7%
Fall
Det=26
ND=0
0%

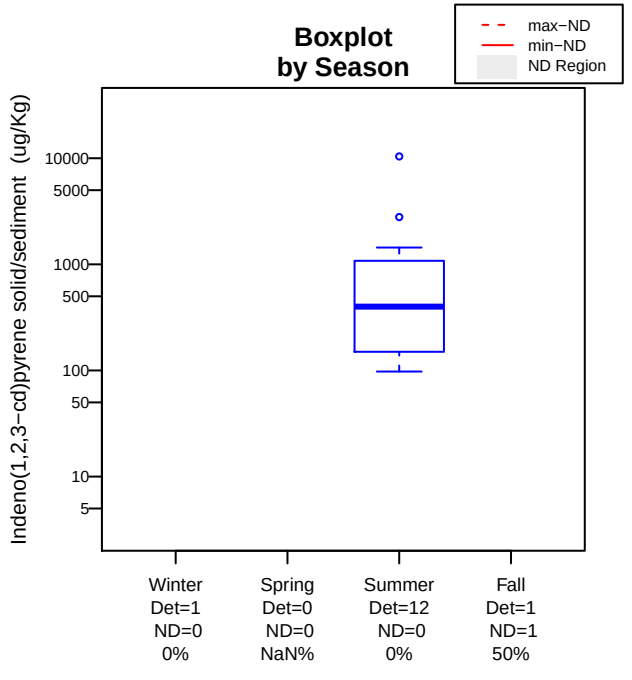

Jitter Plot
Detect−DrySeas
Detect−WetSeas
NonDetect−DrySeas
NonDetect−WetSeas
Indeno(1,2,3−cd)pyrene solid/sediment (ug/Kg)
10000
5000
1000
500
100
50
10
5
Ind
Det=2
ND=0
0%
Com
Det=5
ND=0
0%
HRes
Det=5
ND=0
0%
LRes
Det=2
ND=1
33.3%

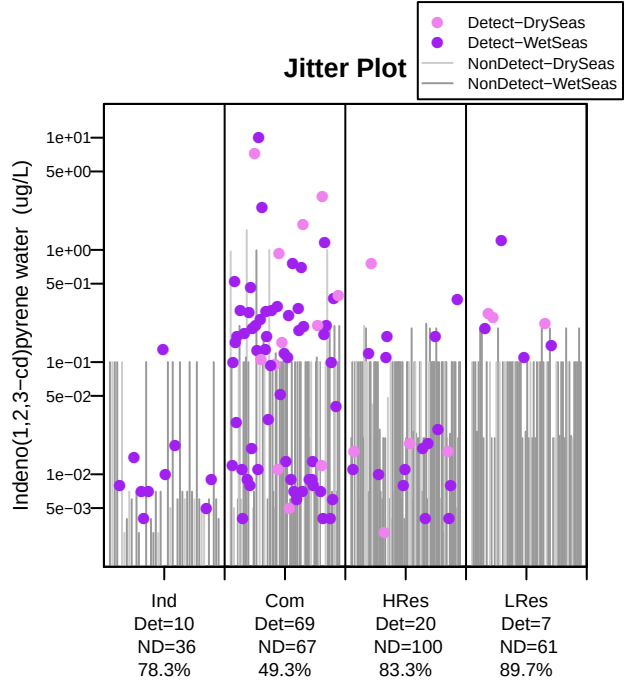

Percent Chance of Exceedance
95
90
75
50
25
10
5
Value
5000
500
50
10
−1.5
−1.0
−0.5
0.0
0.5
1.0
1.5
Normal Quantiles

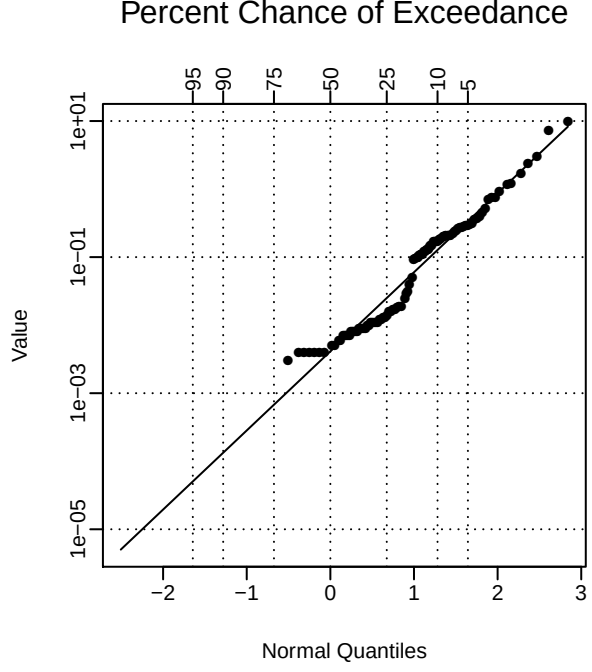

Non−Detect Levels
Indeno(1,2,3−cd)pyrene solid/sediment (ug/Kg)
10000
5000
1000
500
100
50
10
5
Unk
Lab−1
Lab−2
Lab−3
Lab−4
Lab−5
Lab−6
Lab−7
Lab−8

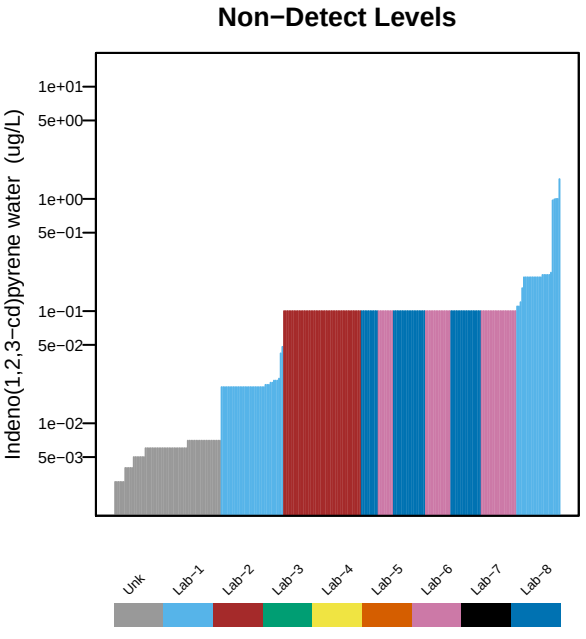

Empirical Distribution
Function (EDF)
Ind
Com
HRes
LRes
Indeno(1,2,3−cd)pyrene solid/sediment (ug/Kg)
10000
5000
1000
500
100
50
10
5
0
20
40
60
80
100
Percent Below

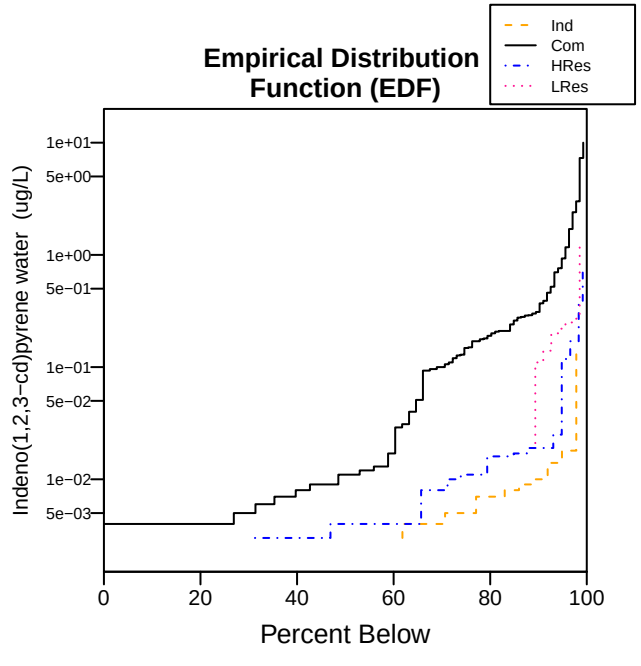

Boxplot
by Land Use
max−ND
min−ND
ND Region
Indeno(1,2,3−cd)pyrene solid/sediment (ug/Kg)
10000
5000
1000
500
100
50
10
5
Ind
Det=2
ND=0
0%
Com
Det=5
ND=0
0%
HRes
Det=5
ND=0
0%
LRes
Det=2
ND=1
33.3%

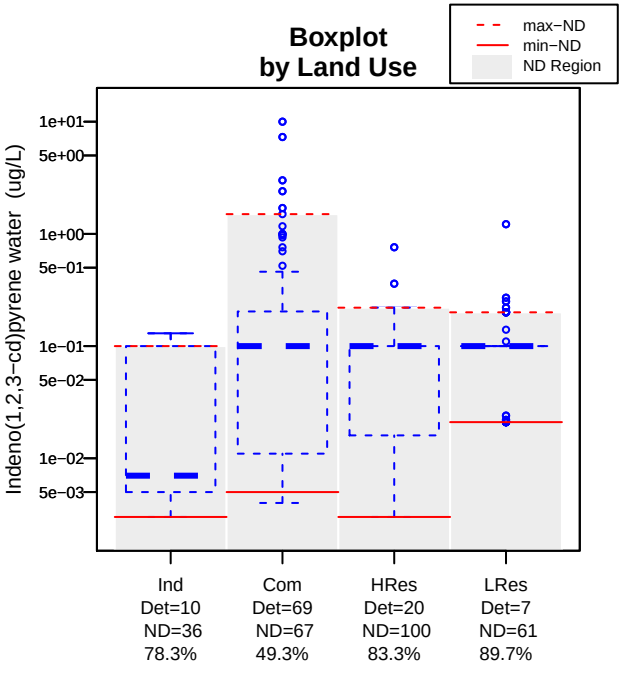

Boxplot
by Season
max−ND
min−ND
ND Region
Indeno(1,2,3−cd)pyrene solid/sediment (ug/Kg)
10000
5000
1000
500
100
50
10
5
Winter
Det=1
ND=0
0%
Spring
Det=0
ND=0
NaN%
Summer
Det=12
ND=0
0%
Fall
Det=1
ND=1
50%

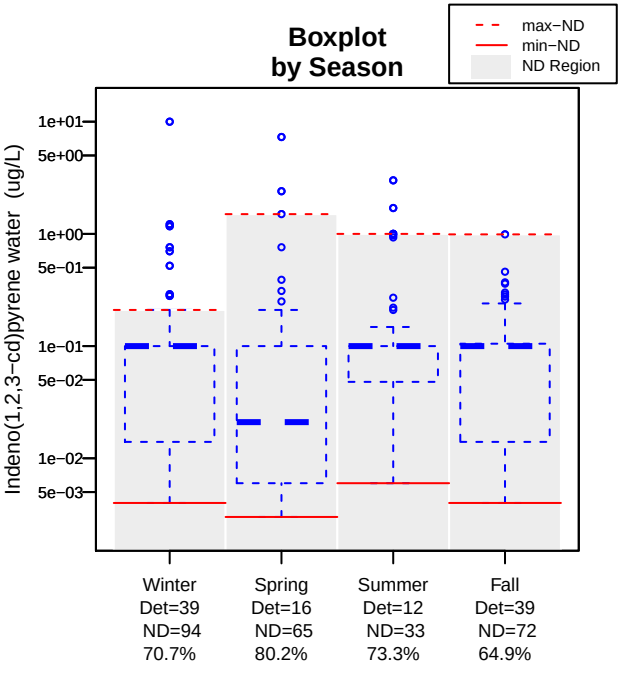

Jitter Plot
Detect−DrySeas
Detect−WetSeas
NonDetect−DrySeas
NonDetect−WetSeas
Indeno(1,2,3−cd)pyrene water (ug/L)
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
1e−02
5e−03
Ind
Det=10
ND=36
78.3%
Com
Det=69
ND=67
49.3%
HRes
Det=20
ND=100
83.3%
LRes
Det=7
ND=61
89.7%

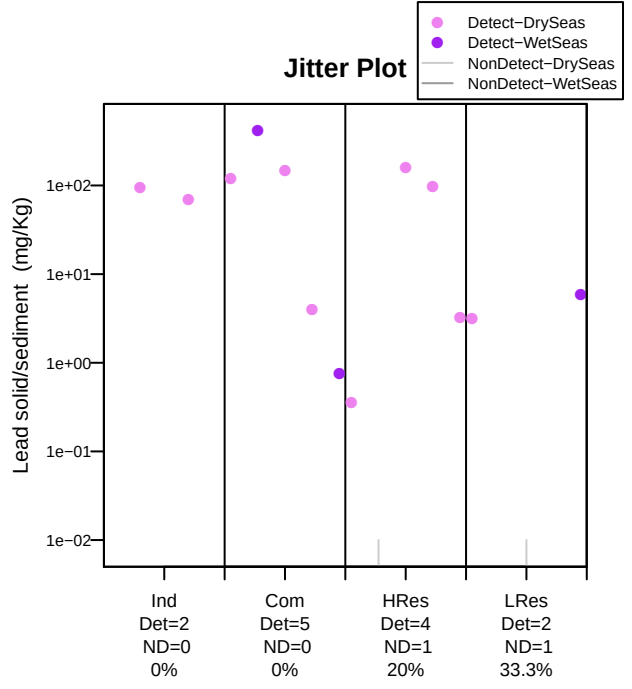

Percent Chance of Exceedance
95
90
75
50
25
10
5
Value
1e+01
1e−01
1e−03
1e−05
−2
−1
0
1
2
3
Normal Quantiles

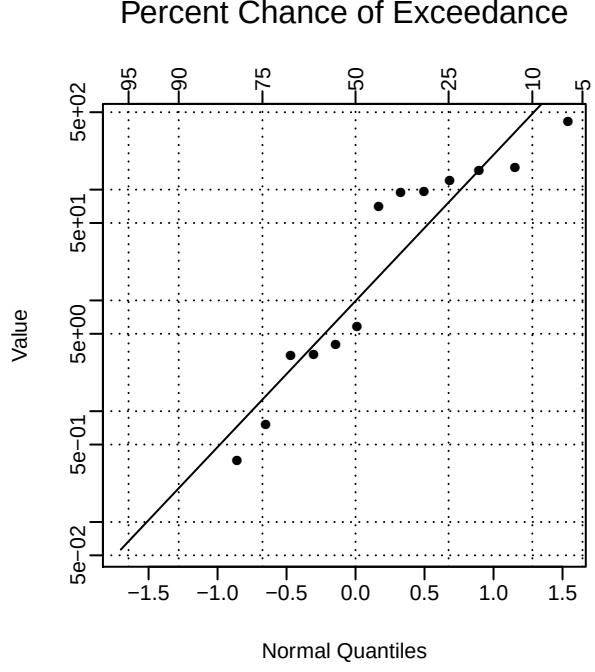

Non−Detect Levels
Indeno(1,2,3−cd)pyrene water (ug/L)
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
1e−02
5e−03
Unk
Lab−1
Lab−2
Lab−3
Lab−4
Lab−5
Lab−6
Lab−7
Lab−8

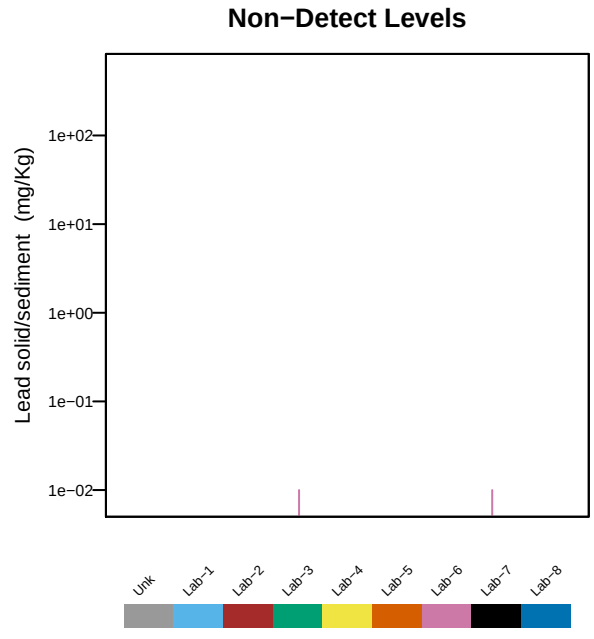

Empirical Distribution Function (EDF)
Ind
Com
HRes
LRes
Indeno(1,2,3−cd)pyrene water (ug/L)
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
1e−02
5e−03
0
20
40
60
80
100
Percent Below

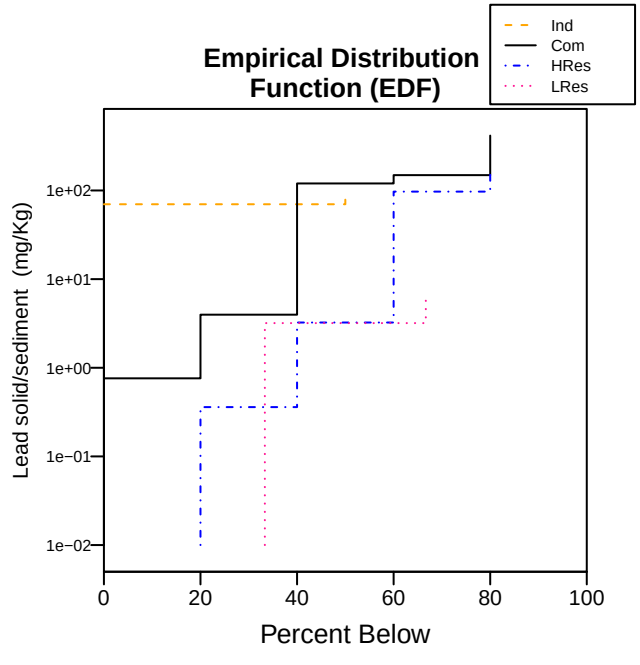

Boxplot by Land Use
max−ND
min−ND
ND Region
Indeno(1,2,3−cd)pyrene water (ug/L)
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
1e−02
5e−03
Ind
Det=10
ND=36
78.3%
Com
Det=69
ND=67
49.3%
HRes
Det=20
ND=100
83.3%
LRes
Det=7
ND=61
89.7%

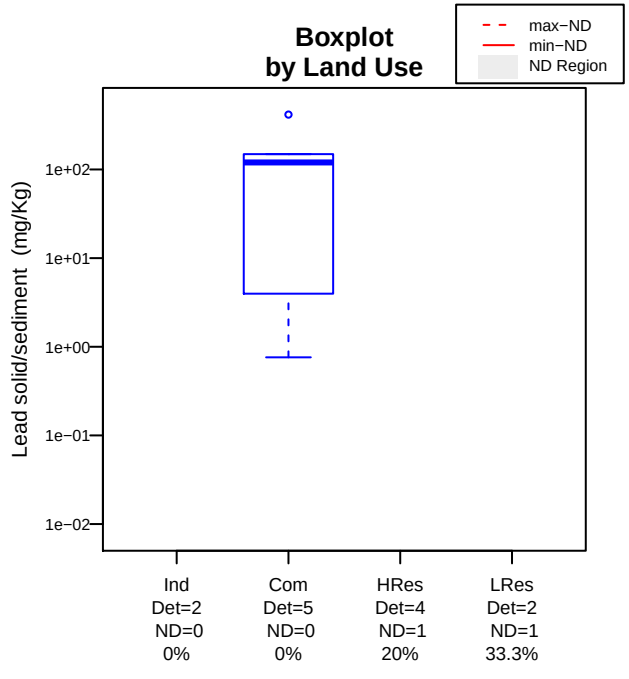

Boxplot by Season
max−ND
min−ND
ND Region
Indeno(1,2,3−cd)pyrene water (ug/L)
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
1e−02
5e−03
Winter
Det=39
ND=94
70.7%
Spring
Det=16
ND=65
80.2%
Summer
Det=12
ND=33
73.3%
Fall
Det=39
ND=72
64.9%

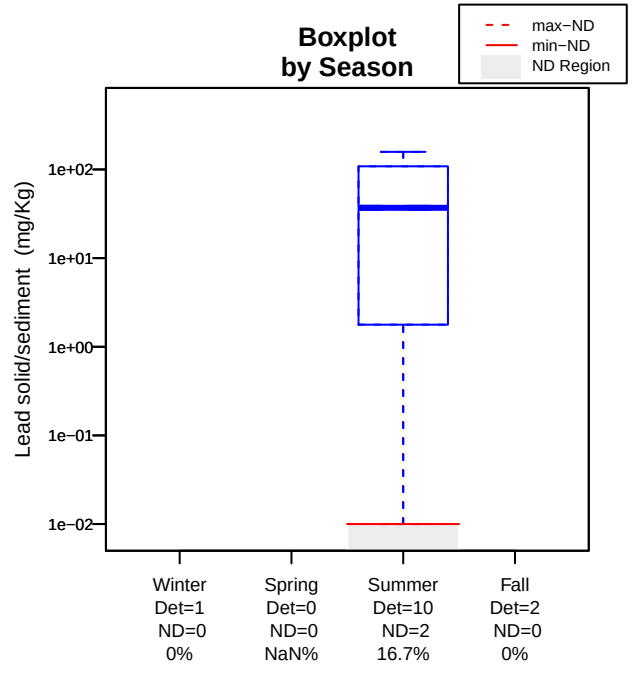

Jitter Plot
Detect−DrySeas
Detect−WetSeas
NonDetect−DrySeas
NonDetect−WetSeas
Lead solid/sediment (mg/Kg)
1e+02
1e+01
1e+00
1e−01
1e−02
Ind
Det=2
ND=0
0%
Com
Det=5
ND=0
0%
HRes
Det=4
ND=1
20%
LRes
Det=2
ND=1
33.3%

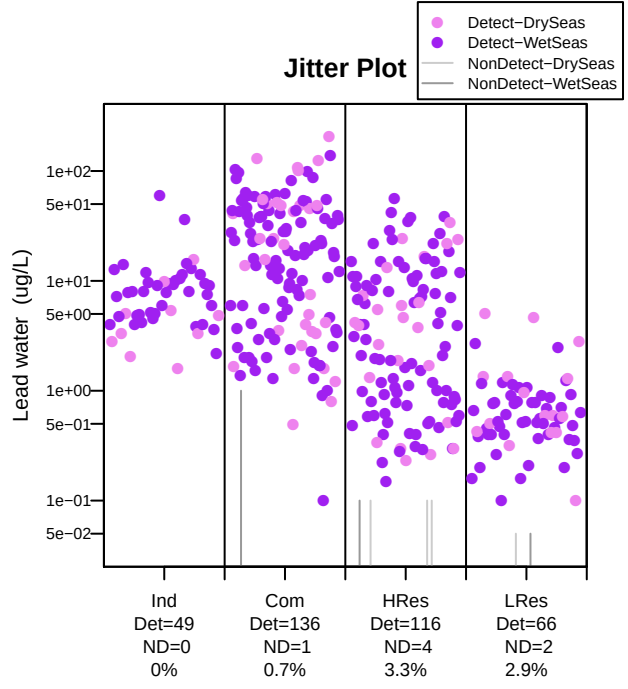

Percent Chance of Exceedance
95
90
75
50
25
10
5
Value
5e+02
5e+01
5e+00
5e−01
5e−02
−1.5
−1.0
−0.5
0.0
0.5
1.0
1.5
Normal Quantiles

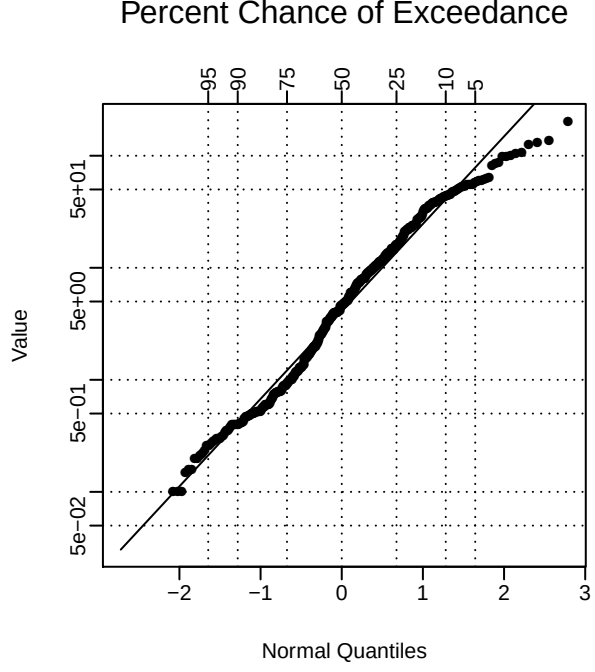

Non−Detect Levels
Lead solid/sediment (mg/Kg)
1e+02
1e+01
1e+00
1e−01
1e−02
Unk
Lab−1
Lab−2
Lab−3
Lab−4
Lab−5
Lab−6
Lab−7
Lab−8

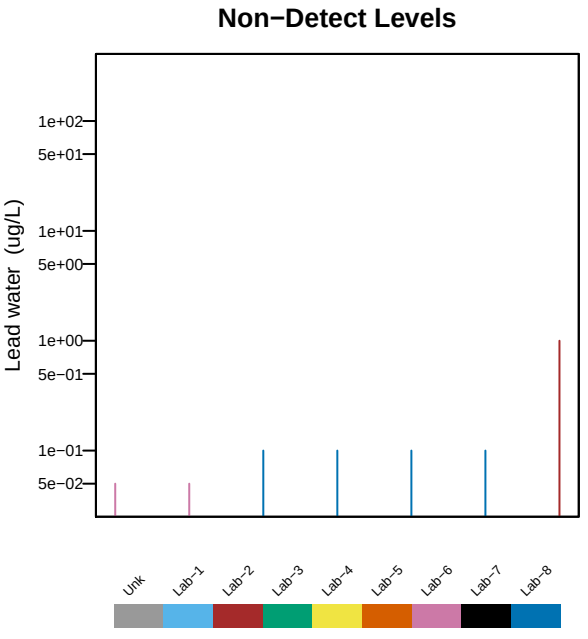

Empirical Distribution
Function (EDF)
Ind
Com
HRes
LRes
Lead solid/sediment (mg/Kg)
1e+02
1e+01
1e+00
1e−01
1e−02
0
20
40
60
80
100
Percent Below

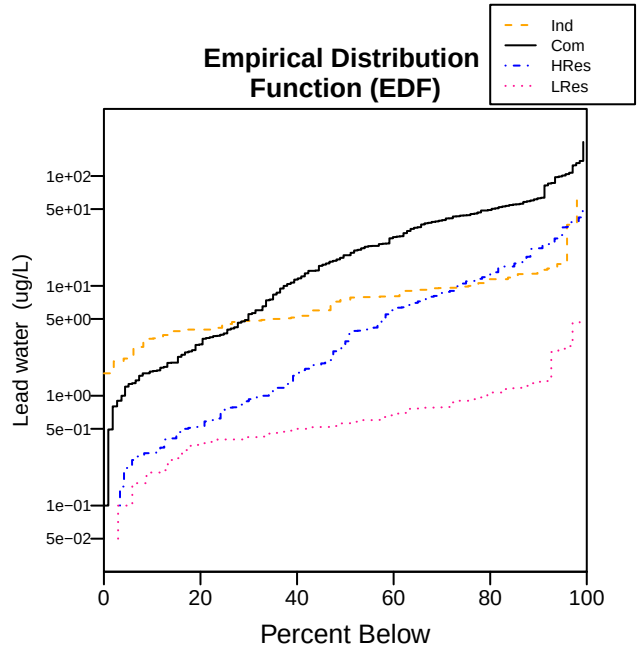

Boxplot
by Land Use
max−ND
min−ND
ND Region
Lead solid/sediment (mg/Kg)
1e+02
1e+01
1e+00
1e−01
1e−02
Ind
Det=2
ND=0
0%
Com
Det=5
ND=0
0%
HRes
Det=4
ND=1
20%
LRes
Det=2
ND=1
33.3%

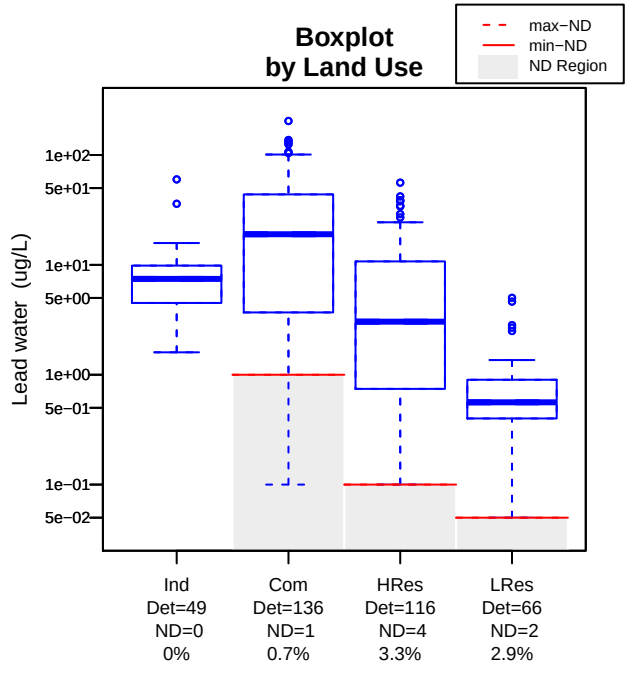

Boxplot
by Season
max−ND
min−ND
ND Region
Lead solid/sediment (mg/Kg)
1e+02
1e+01
1e+00
1e−01
1e−02
Winter
Det=1
ND=0
0%
Spring
Det=0
ND=0
NaN%
Summer
Det=10
ND=2
16.7%
Fall
Det=2
ND=0
0%

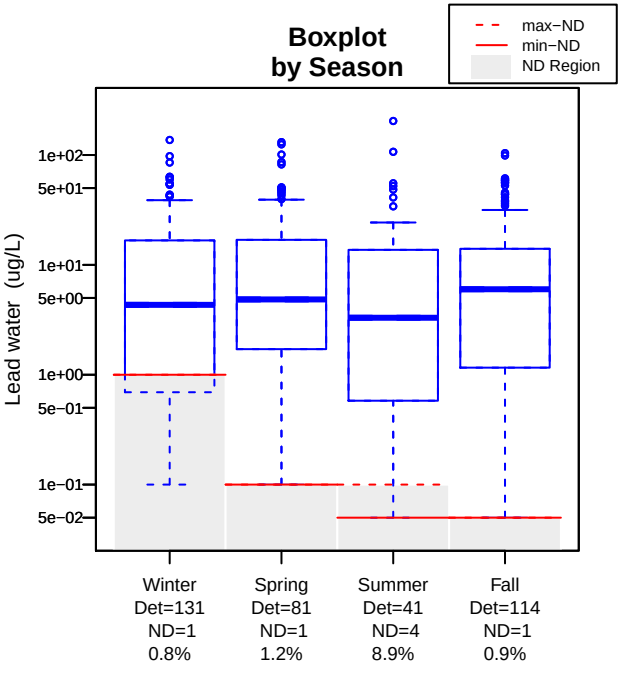

Jitter Plot
Detect−DrySeas
Detect−WetSeas
NonDetect−DrySeas
NonDetect−WetSeas
Lead water (ug/L)
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
Ind
Det=49
ND=0
0%
Com
Det=136
ND=1
0.7%
HRes
Det=116
ND=4
3.3%
LRes
Det=66
ND=2
2.9%

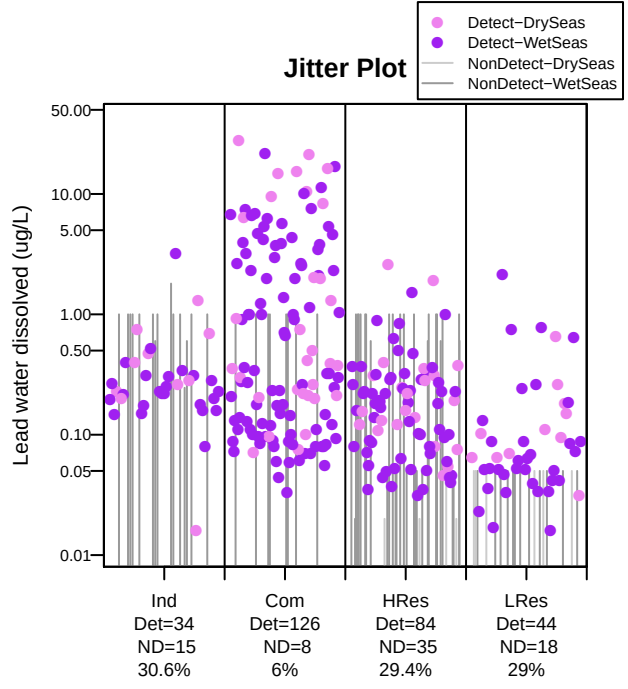

Percent Chance of Exceedance
95
90
75
50
25
10
5
Value
5e+01
5e+00
5e−01
5e−02
−2
−1
0
1
2
3
Normal Quantiles

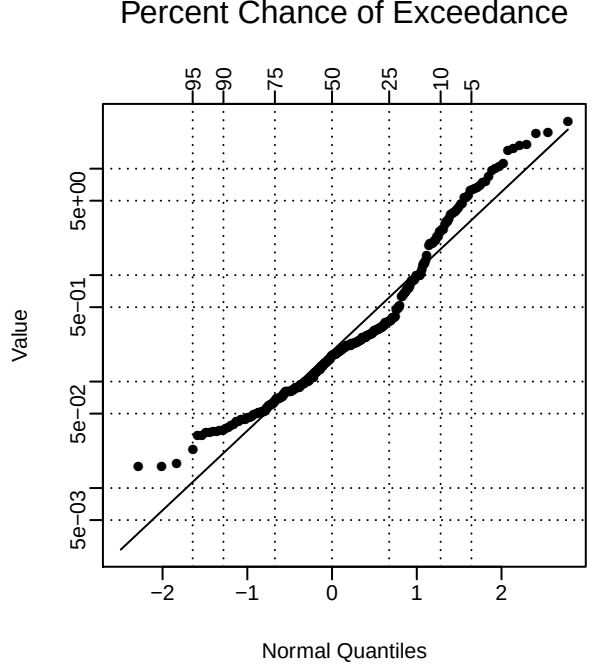

Non−Detect Levels
Lead water (ug/L)
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
Unk
Lab−1
Lab−2
Lab−3
Lab−4
Lab−5
Lab−6
Lab−7
Lab−8

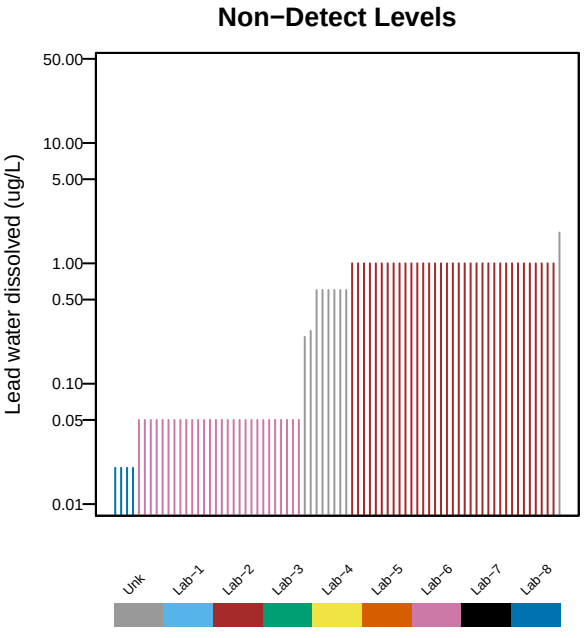

Empirical Distribution Function (EDF)
Ind
Com
HRes
LRes
Lead water (ug/L)
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
0
20
40
60
80
100
Percent Below

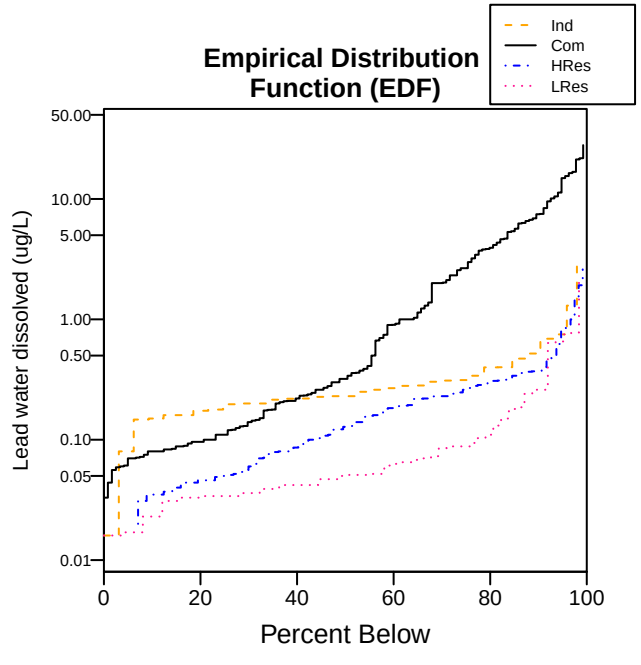

Boxplot by Land Use
max−ND
min−ND
ND Region
Lead water (ug/L)
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
Ind
Det=49
ND=0
0%
Com
Det=136
ND=1
0.7%
HRes
Det=116
ND=4
3.3%
LRes
Det=66
ND=2
2.9%

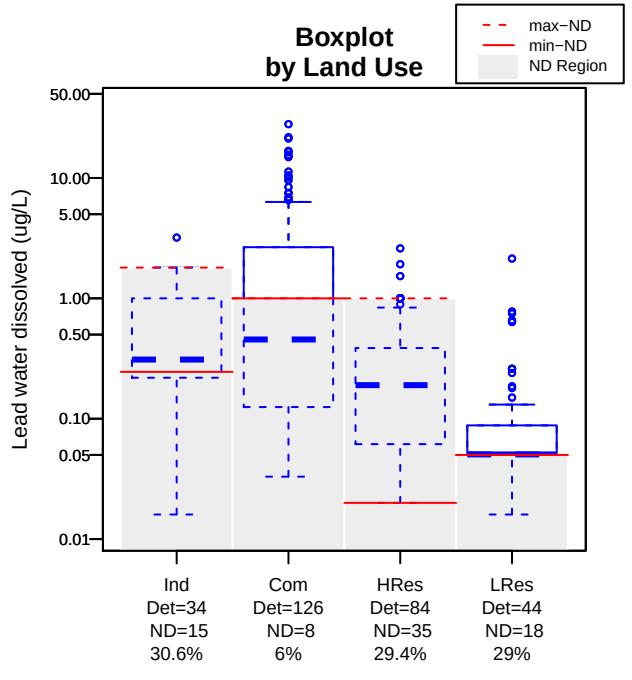

Boxplot by Season
max−ND
min−ND
ND Region
Lead water (ug/L)
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
Winter
Det=131
ND=1
0.8%
Spring
Det=81
ND=1
1.2%
Summer
Det=41
ND=4
8.9%
Fall
Det=114
ND=1
0.9%

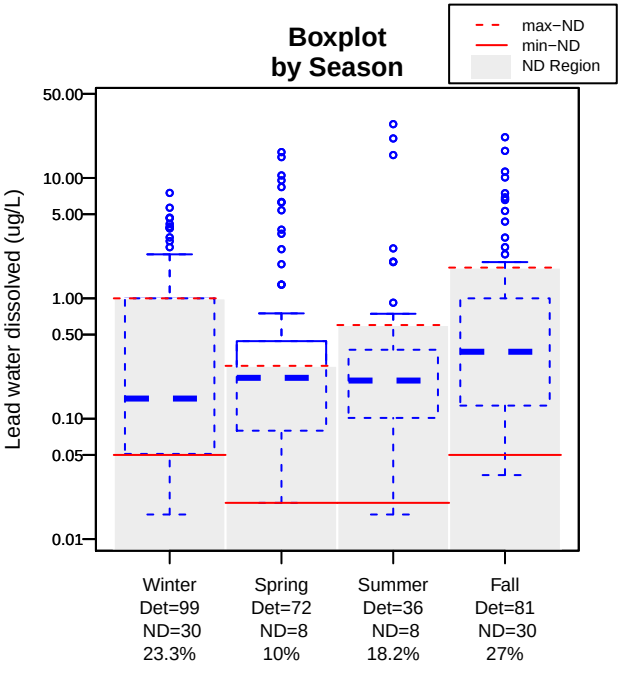

Jitter Plot
Detect−DrySeas
Detect−WetSeas
NonDetect−DrySeas
NonDetect−WetSeas
Lead water dissolved (ug/L)
50.00
10.00
5.00
1.00
0.50
0.10
0.05
0.01
Ind
Det=34
ND=15
30.6%
Com
Det=126
ND=8
6%
HRes
Det=84
ND=35
29.4%
LRes
Det=44
ND=18
29%

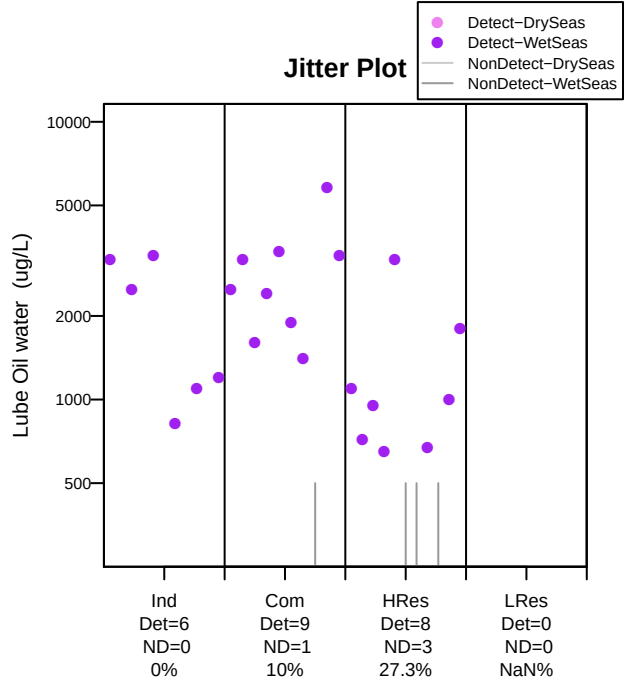

Percent Chance of Exceedance
95
90
75
50
25
10
5
Value
5e+00
5e−01
5e−02
5e−03
−2
−1
0
1
2
Normal Quantiles

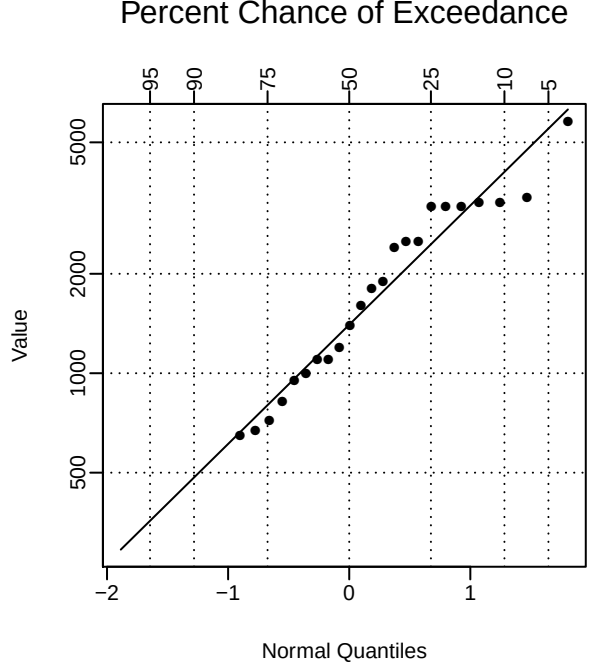

Non−Detect Levels
Lead water dissolved (ug/L)
50.00
10.00
5.00
1.00
0.50
0.10
0.05
0.01
Unk
Lab−1
Lab−2
Lab−3
Lab−4
Lab−5
Lab−6
Lab−7
Lab−8

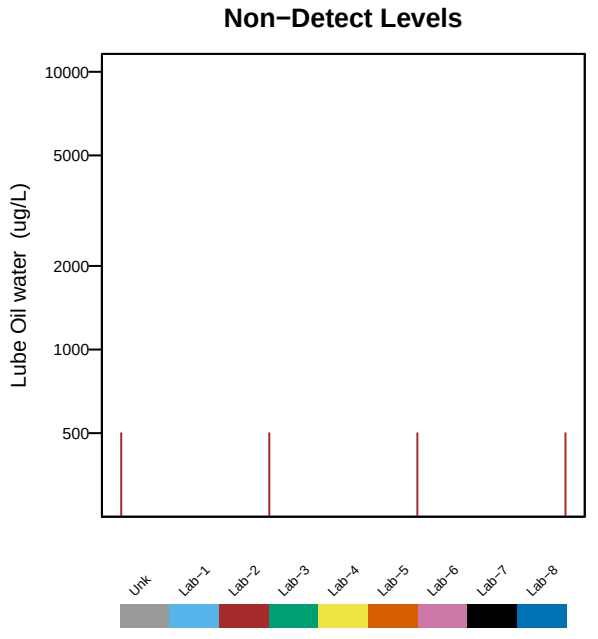

Empirical Distribution
Function (EDF)
Ind
Com
HRes
LRes
Lead water dissolved (ug/L)
50.00
10.00
5.00
1.00
0.50
0.10
0.05
0.01
0
20
40
60
80
100
Percent Below

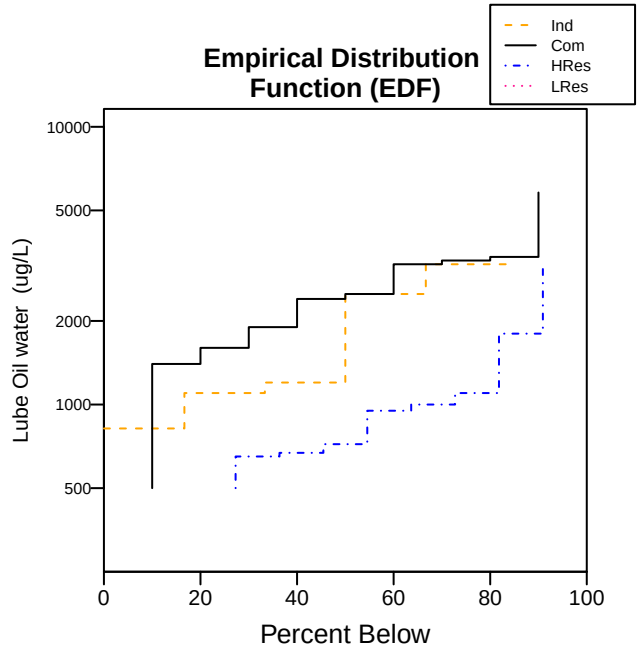

Boxplot
by Land Use
max−ND
min−ND
ND Region
Lead water dissolved (ug/L)
50.00
10.00
5.00
1.00
0.50
0.10
0.05
0.01
Ind
Det=34
ND=15
30.6%
Com
Det=126
ND=8
6%
HRes
Det=84
ND=35
29.4%
LRes
Det=44
ND=18
29%

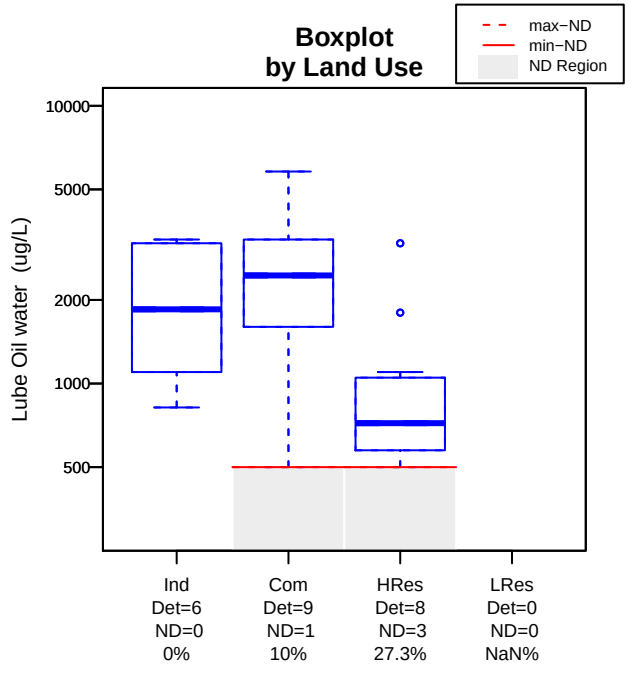

Boxplot
by Season
max−ND
min−ND
ND Region
Lead water dissolved (ug/L)
50.00
10.00
5.00
1.00
0.50
0.10
0.05
0.01
Winter
Det=99
ND=30
23.3%
Spring
Det=72
ND=8
10%
Summer
Det=36
ND=8
18.2%
Fall
Det=81
ND=30
27%

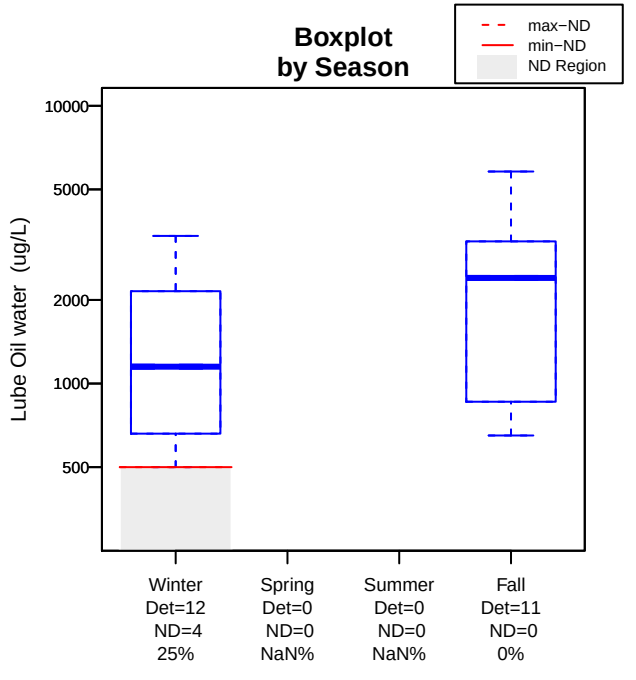

Jitter Plot
Detect−DrySeas
Detect−WetSeas
NonDetect−DrySeas
NonDetect−WetSeas
Lube Oil water (ug/L)
10000
5000
2000
1000
500
Ind
Det=6
ND=0
0%
Com
Det=9
ND=1
10%
HRes
Det=8
ND=3
27.3%
LRes
Det=0
ND=0
NaN%

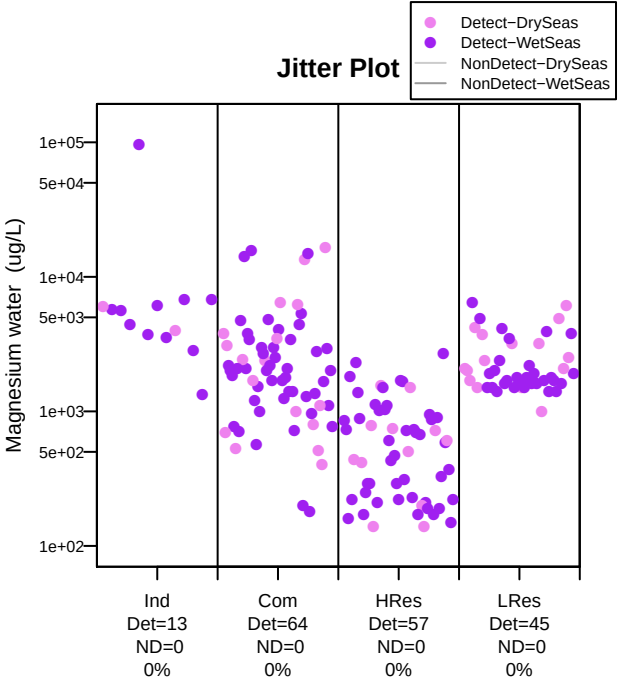

Percent Chance of Exceedance
95
90
75
50
25
10
5
Value
5000
2000
1000
500
−2
−1
0
1
Normal Quantuiles

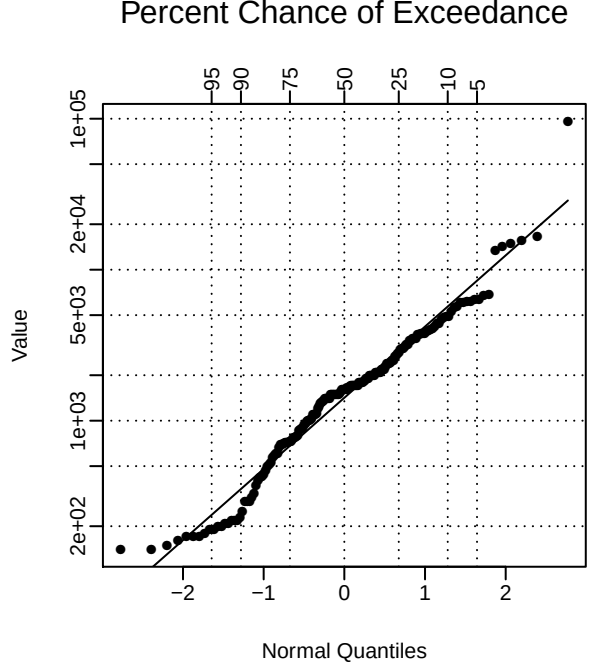

Non−Detect Levels
Lube Oil water (ug/L)
10000
5000
2000
1000
500
Unk
Lab−1
Lab−2
Lab−3
Lab−4
Lab−5
Lab−6
Lab−7
Lab−8


Empirical Distribution Function (EDF)
Ind
Com
HRes
LRes
Lube Oil water (ug/L)
10000
5000
2000
1000
500
0
20
40
60
80
100
Percent Below

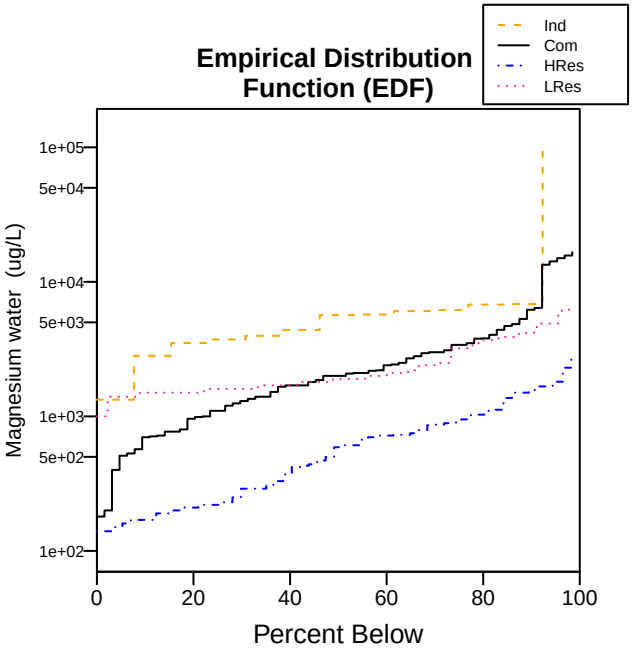

Boxplot by Land Use
max−ND
min−ND
ND Region
Lube Oil water (ug/L)
10000
5000
2000
1000
500
Ind
Det=6
ND=0
0%
Com
Det=9
ND=1
10%
HRes
Det=8
ND=3
27.3%
LRes
Det=0
ND=0
NaN%

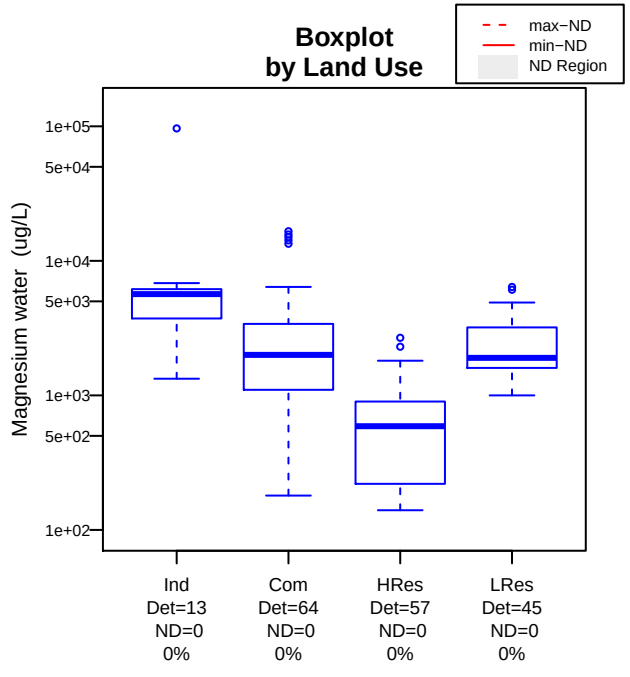

Boxplot by Season
max−ND
min−ND
ND Region
Lube Oil water (ug/L)
10000
5000
2000
1000
500
Winter
Det=12
ND=4
25%
Spring
Det=0
ND=0
NaN%
Summer
Det=0
ND=0
NaN%
Fall
Det=11
ND=0
0%

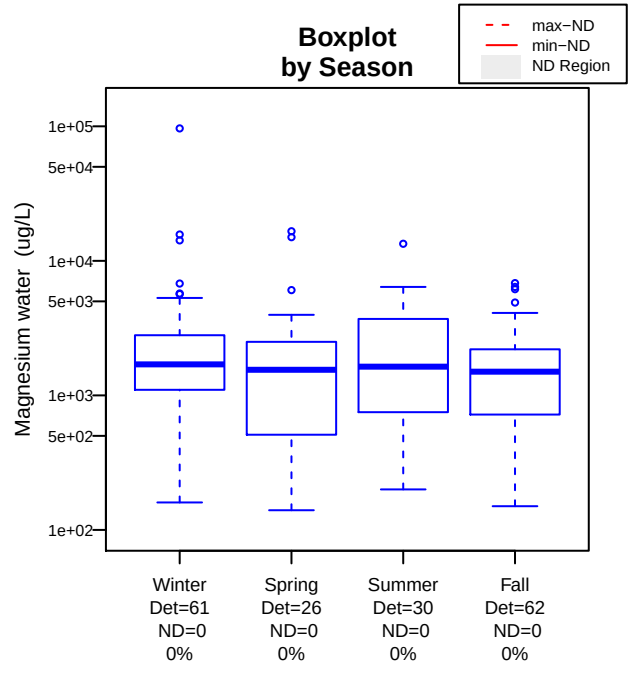


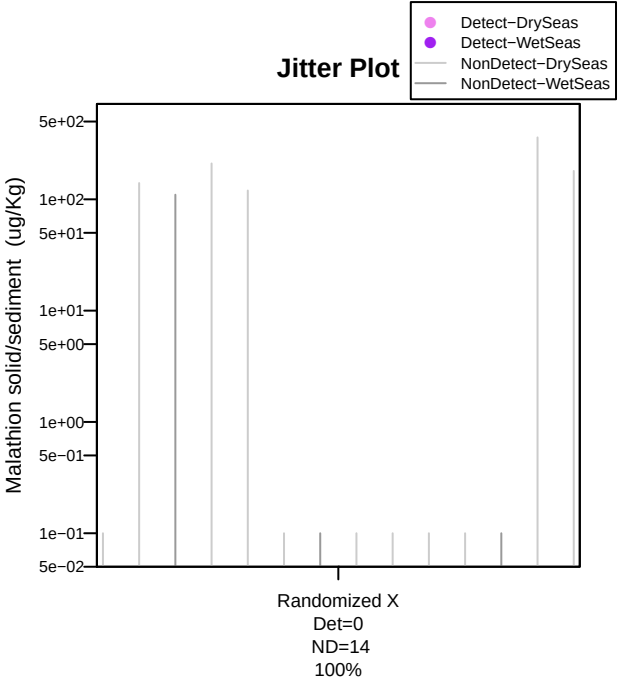


Not Plotted
(No Non−Detects)

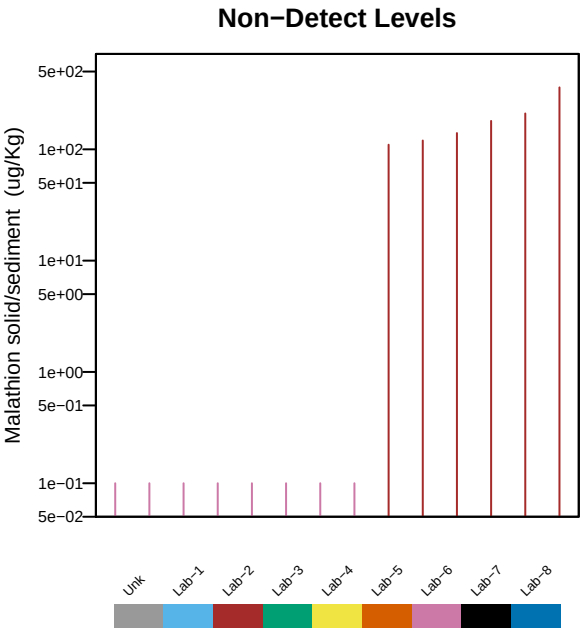








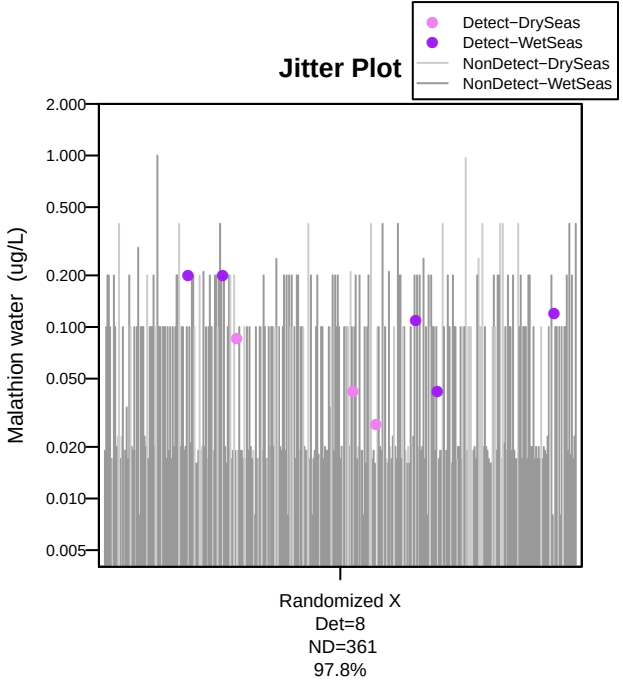
Not Plotted
(Case C)



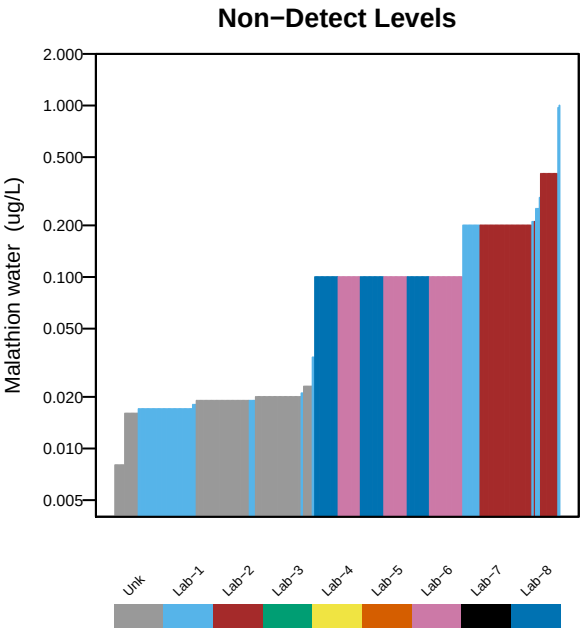
Not Plotted
(Less than 5 detections)

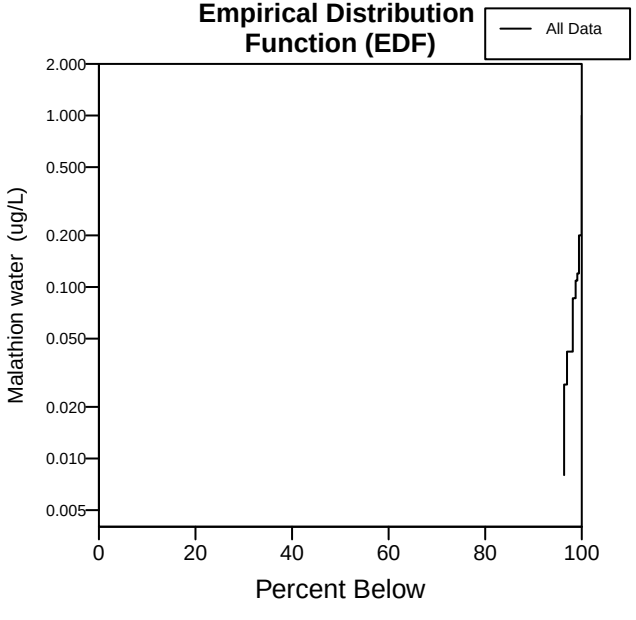
Not Plotted
(Case C)

Not Plotted
(Case C)



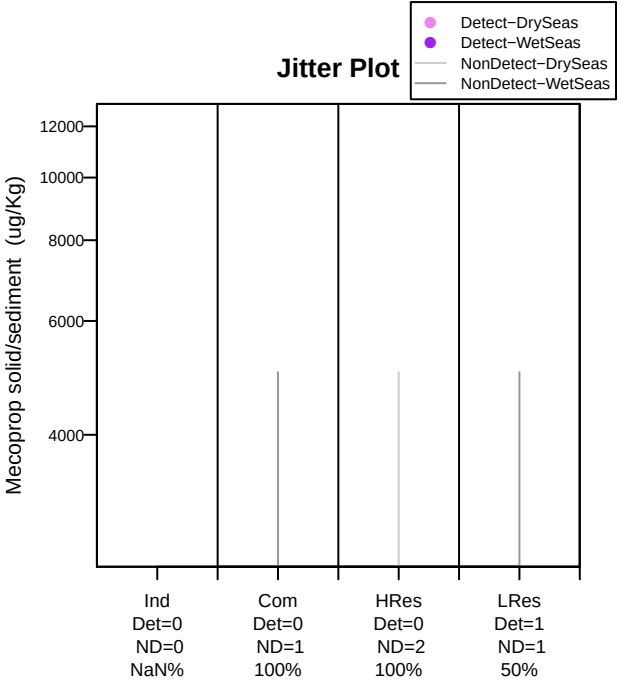
Not Plotted
(Case C)



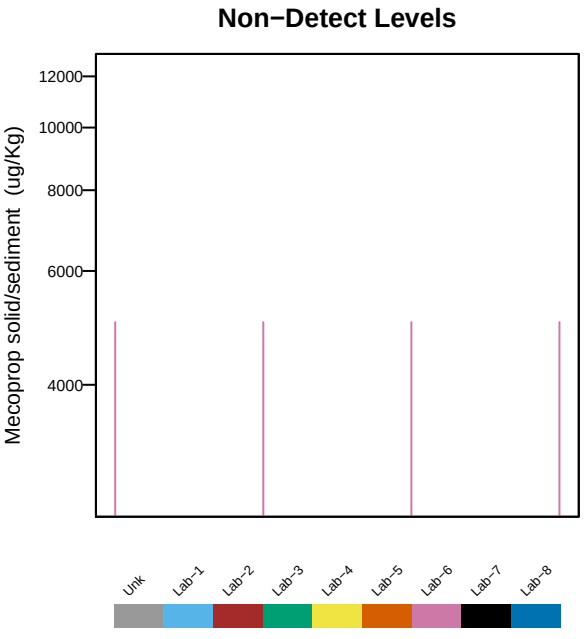


Not Plotted
(Case C)

Not Plotted
(Case C)



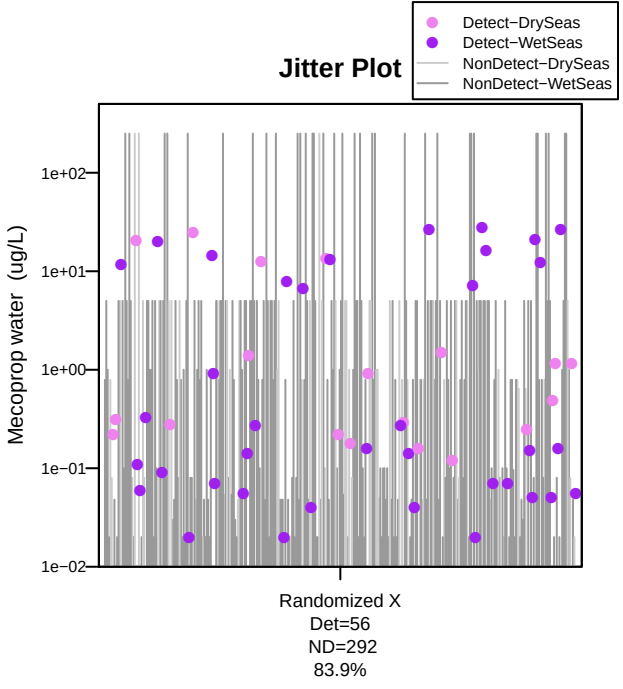
Not Plotted
(Less than 5 detections)



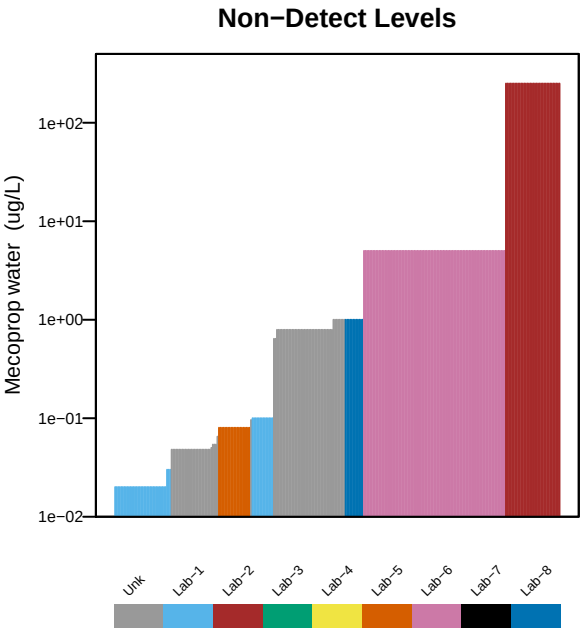
Not Plotted
(Less than 5 detections)

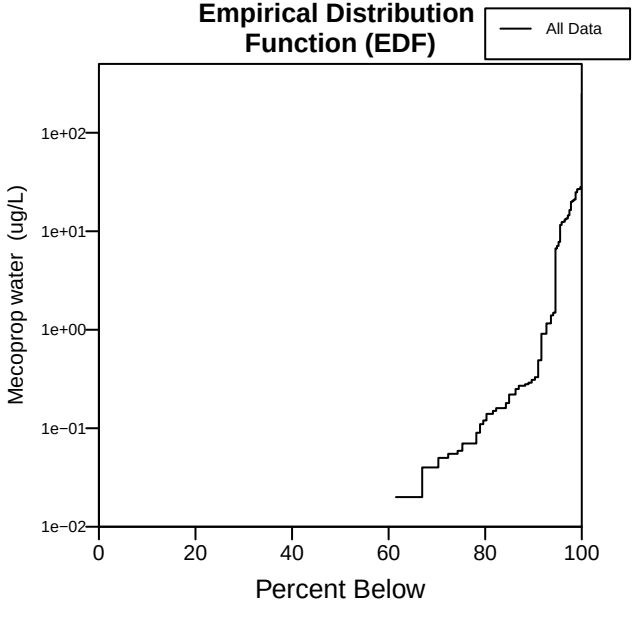
Not Plotted
(Less than 5 detections)

Not Plotted
(Less than 5 detections)



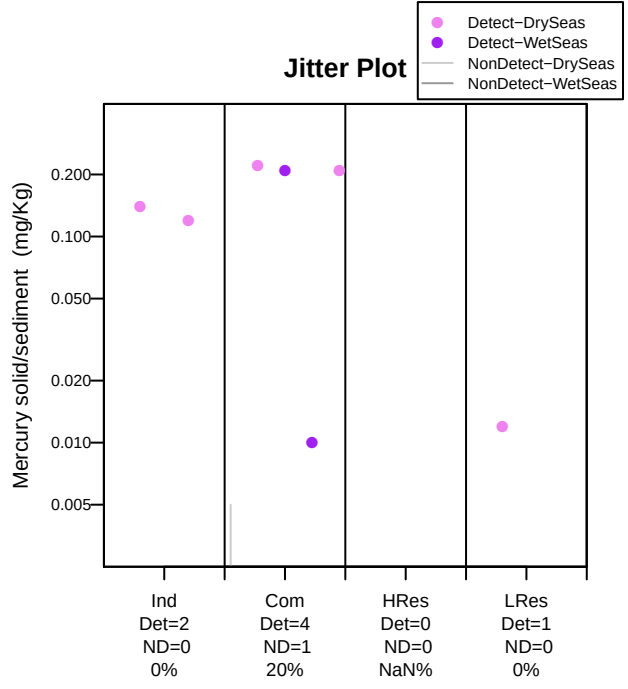
Not Plotted
(Case C)

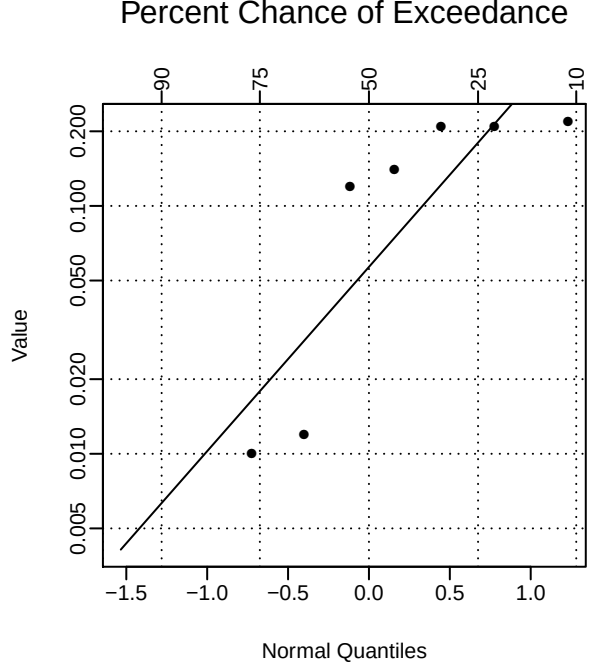


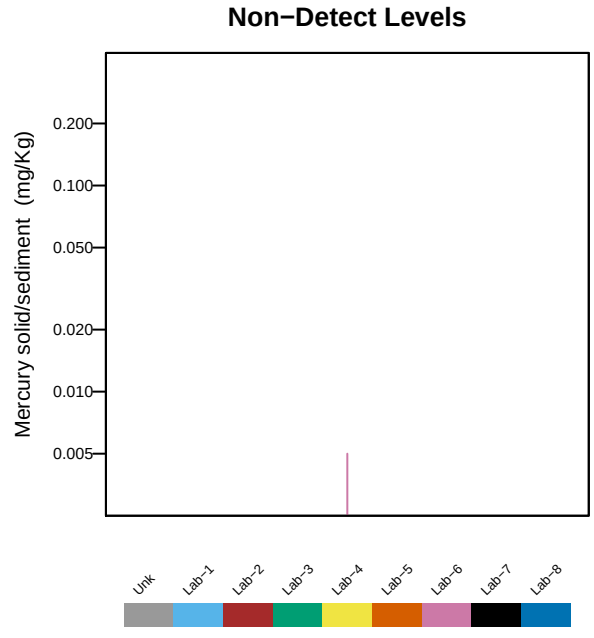


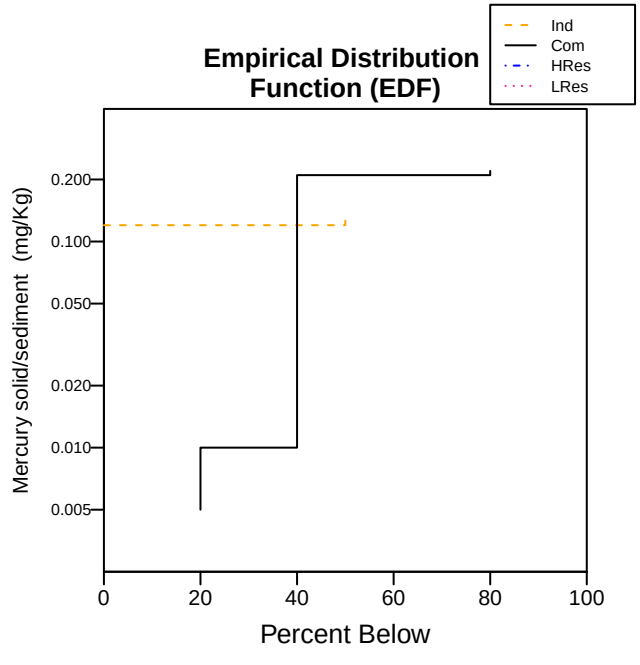
Not Plotted
(Case C)

Not Plotted
(Case C)

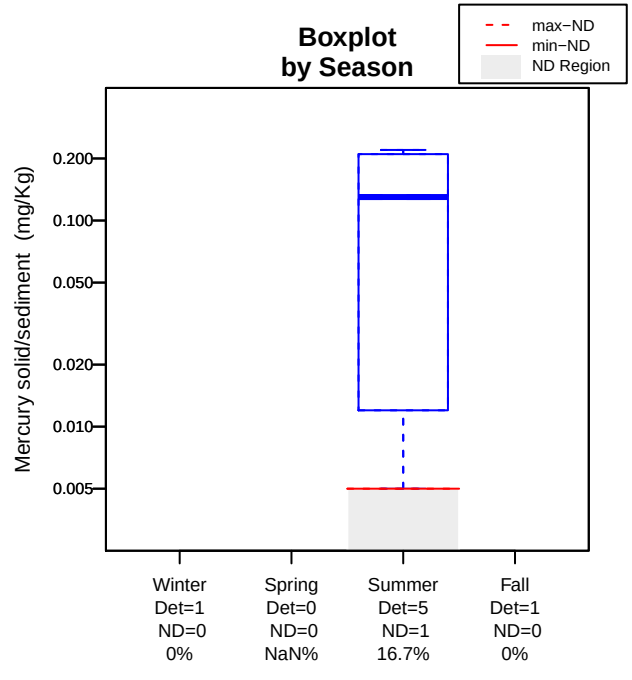


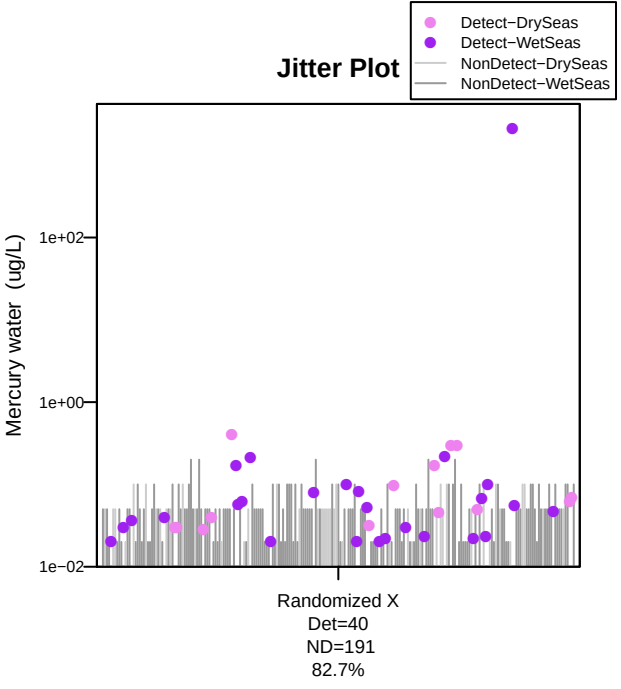




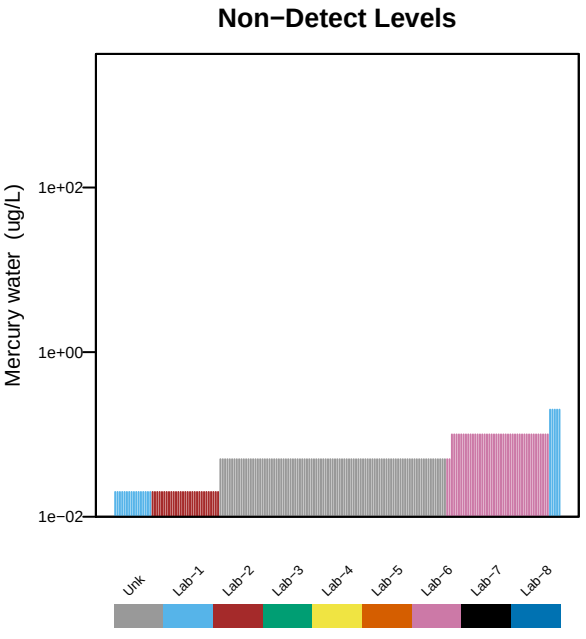


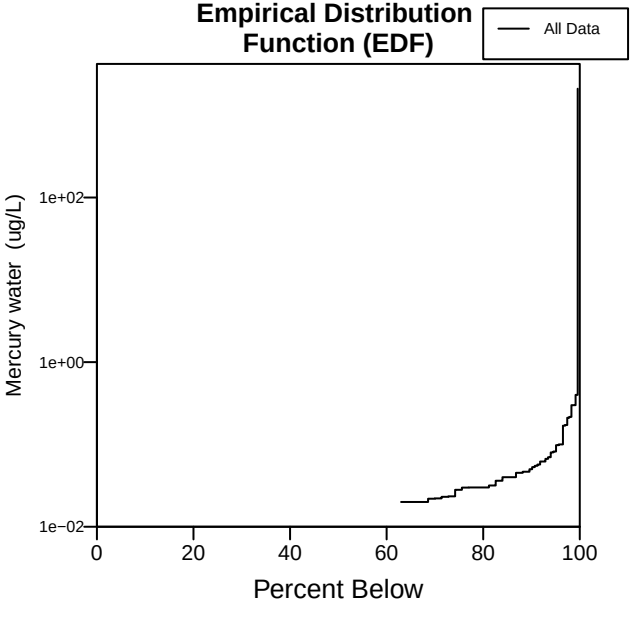
Not Plotted
(No land use has 5 or more detections)





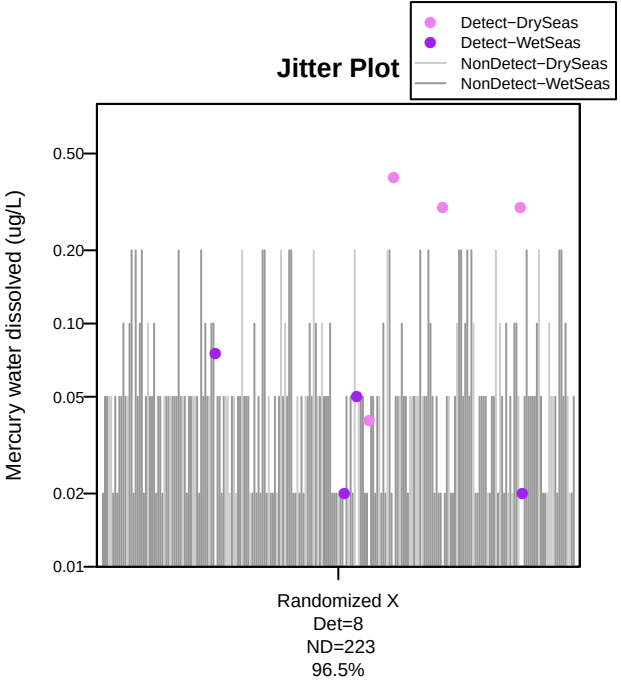
Not Plotted
(Case C)



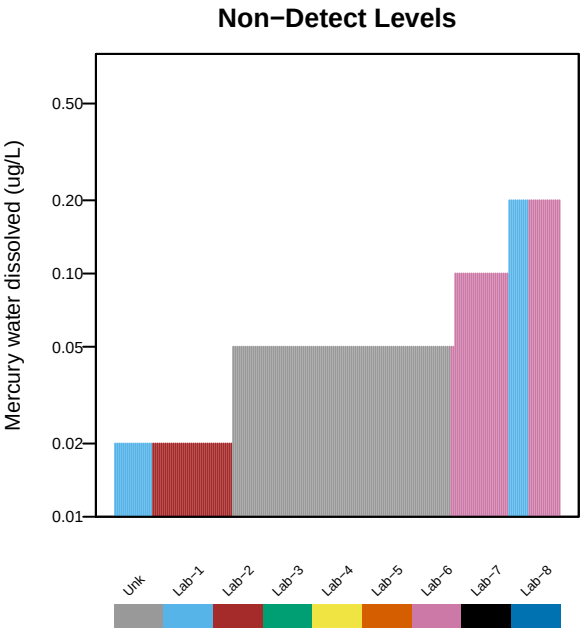


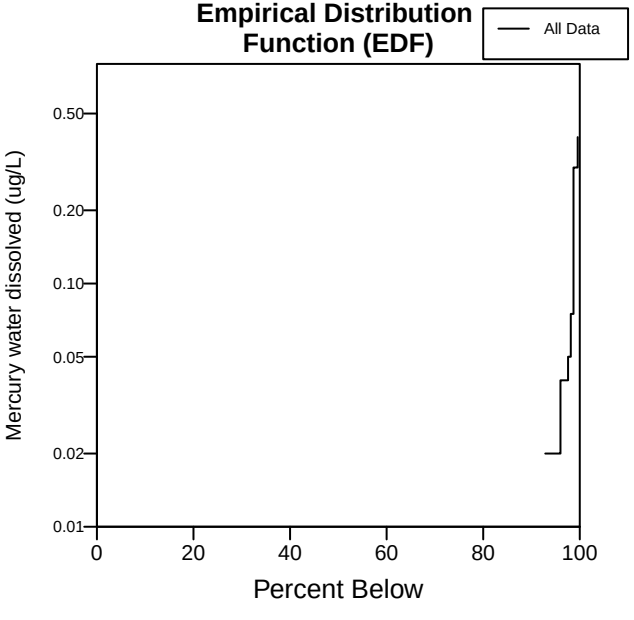
Not Plotted
(Case C)

Not Plotted
(Case C)



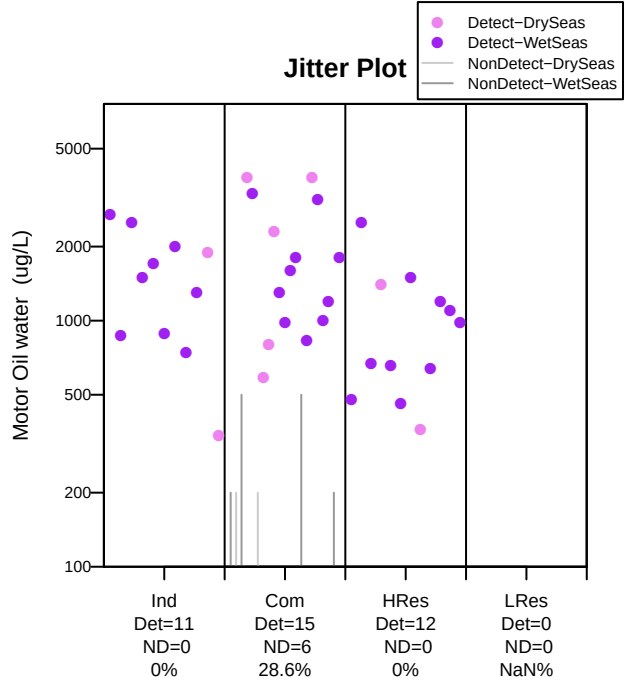
Not Plotted
(Case C)

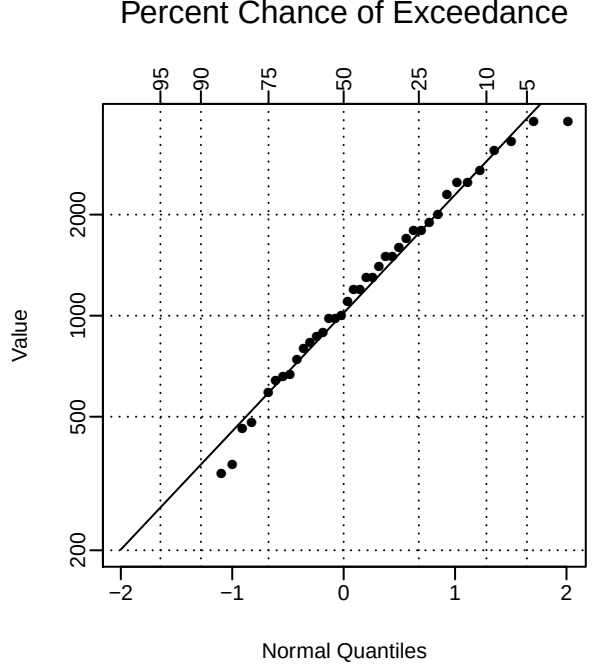


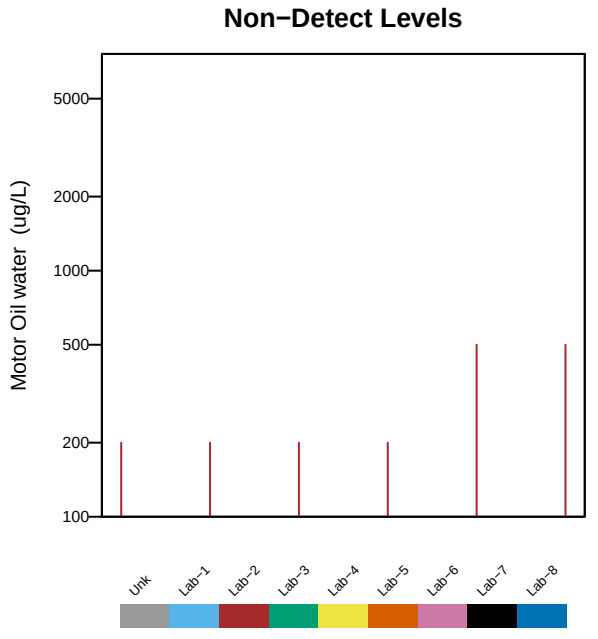


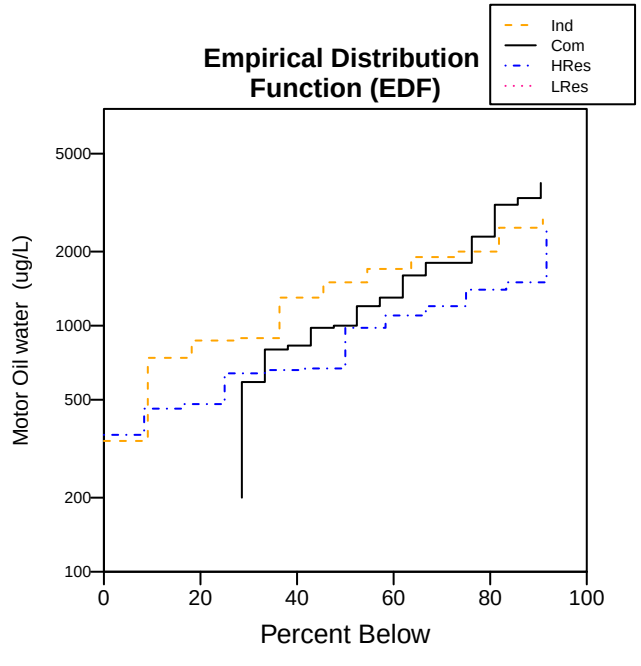
Not Plotted
(Case C)

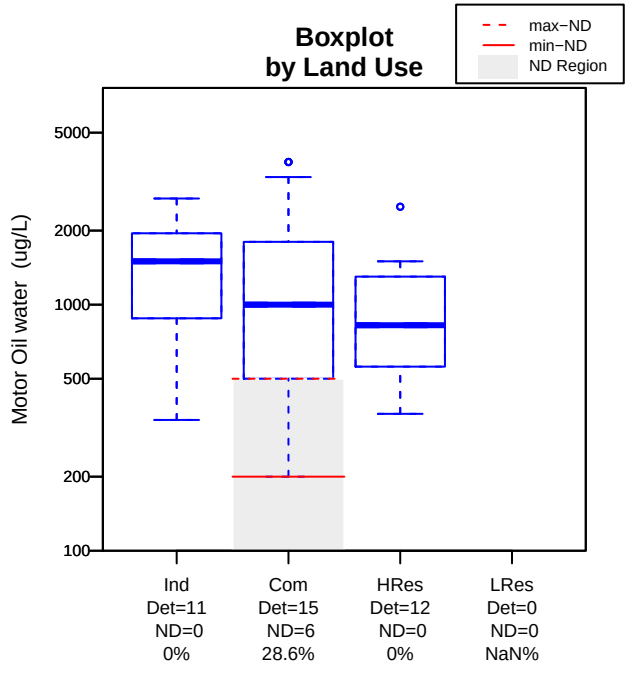
Not Plotted
(Case C)

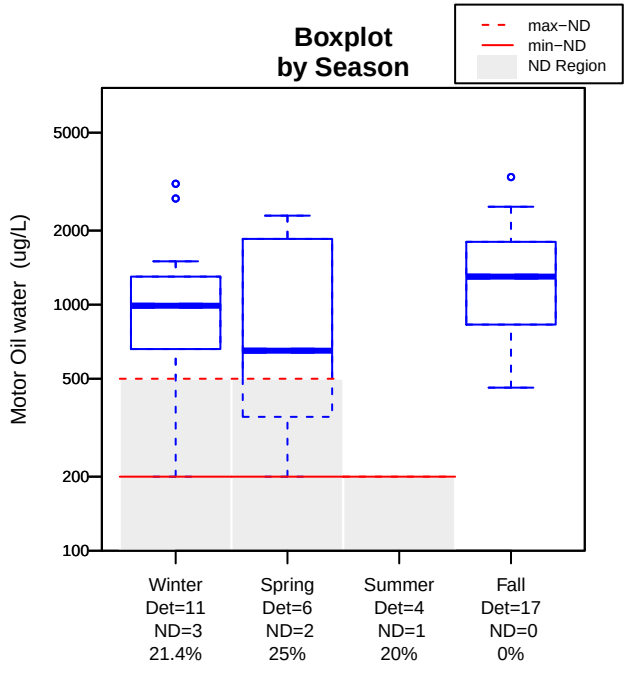

Jitter Plot
Detect−DrySeas
Detect−WetSeas
NonDetect−DrySeas
NonDetect−WetSeas
Motor Oil water (ug/L)
5000
2000
1000
500
200
100
Ind
Det=11
ND=0
0%
Com
Det=15
ND=6
28.6%
HRes
Det=12
ND=0
0%
LRes
Det=0
ND=0
NaN%

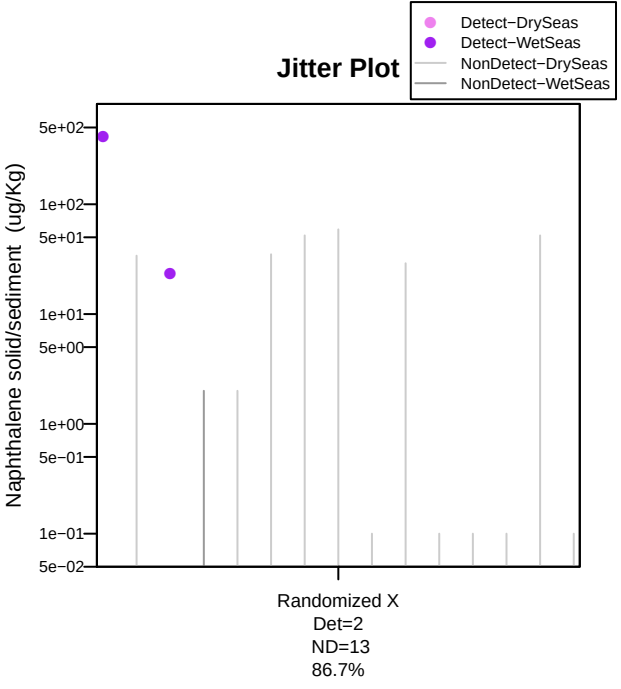

Percent Chance of Exceedance
95
90
75
50
25
10
5
Value
2000
1000
500
200
−2
−1
0
1
2
Normal Quantiles


Non−Detect Levels
Motor Oil water (ug/L)
5000
2000
1000
500
200
100
Unk
Lab−1
Lab−2
Lab−3
Lab−4
Lab−5
Lab−6
Lab−7
Lab−8

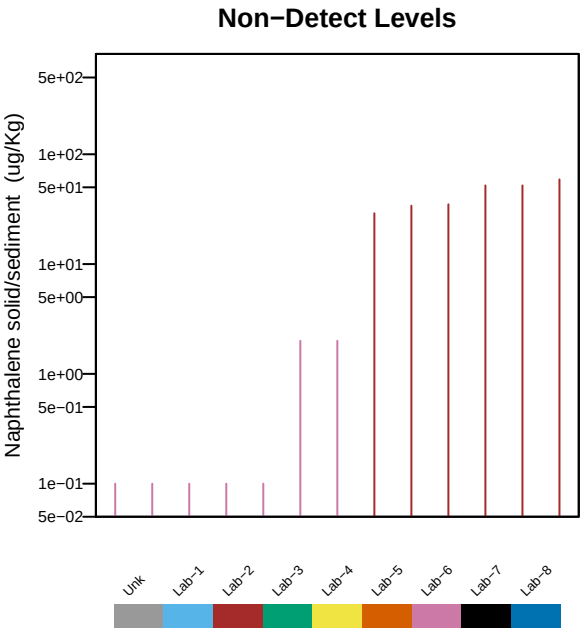

Empirical Distribution Function (EDF)
Ind
Com
HRes
LRes
Motor Oil water (ug/L)
5000
2000
1000
500
200
100
0
20
40
60
80
100
Percent Below


Boxplot by Land Use
max−ND
min−ND
ND Region
Motor Oil water (ug/L)
5000
2000
1000
500
200
100
Ind
Det=11
ND=0
0%
Com
Det=15
ND=6
28.6%
HRes
Det=12
ND=0
0%
LRes
Det=0
ND=0
NaN%


Boxplot by Season
max−ND
min−ND
ND Region
Motor Oil water (ug/L)
5000
2000
1000
500
200
100
Winter
Det=11
ND=3
21.4%
Spring
Det=6
ND=2
25%
Summer
Det=4
ND=1
20%
Fall
Det=17
ND=0
0%



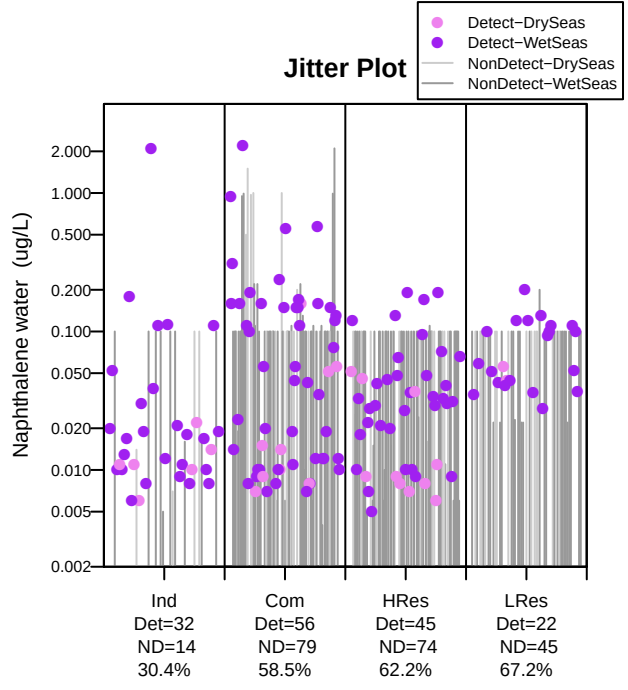
Not Plotted
(Case C)

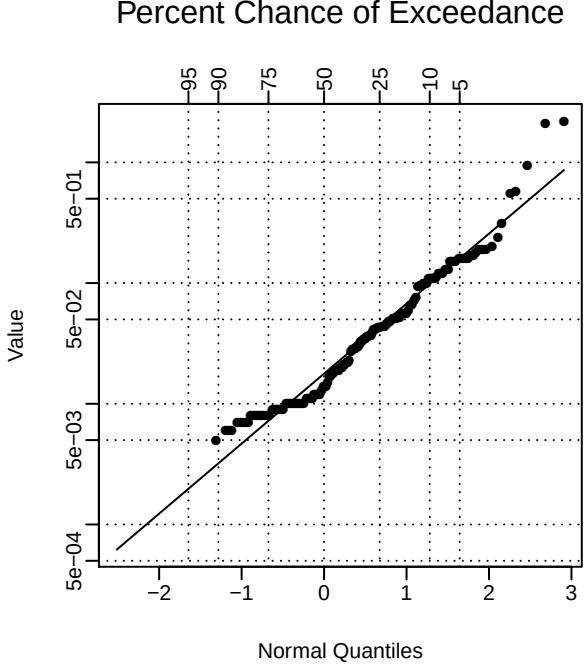


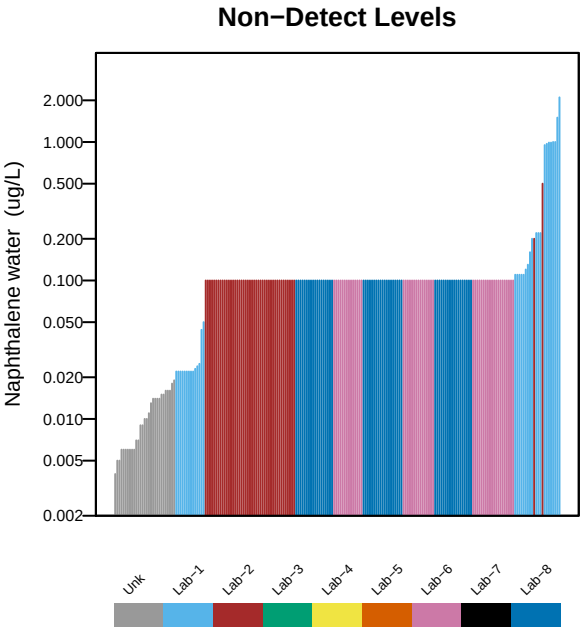
Not Plotted
(Less than 5 detections)

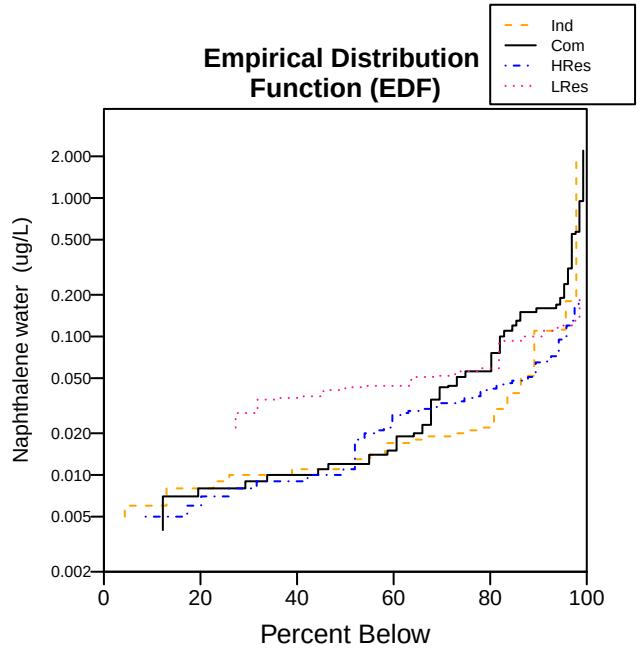
Not Plotted
(Case C)

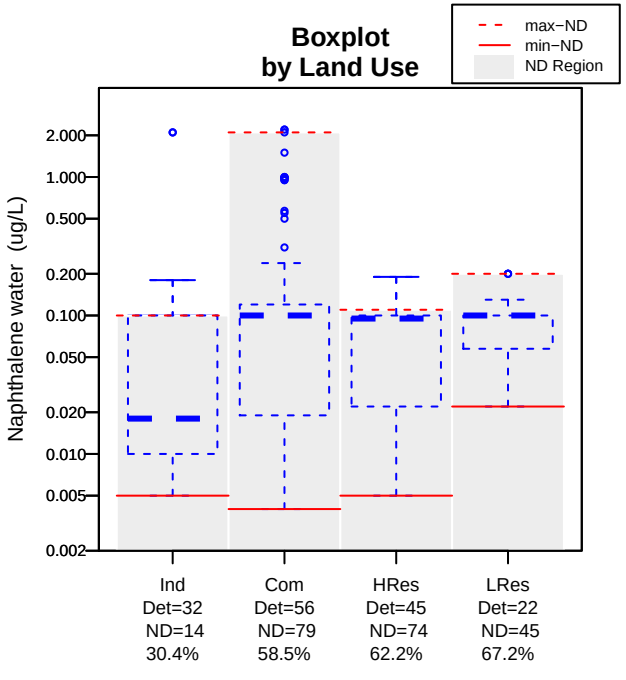
Not Plotted
(Case C)

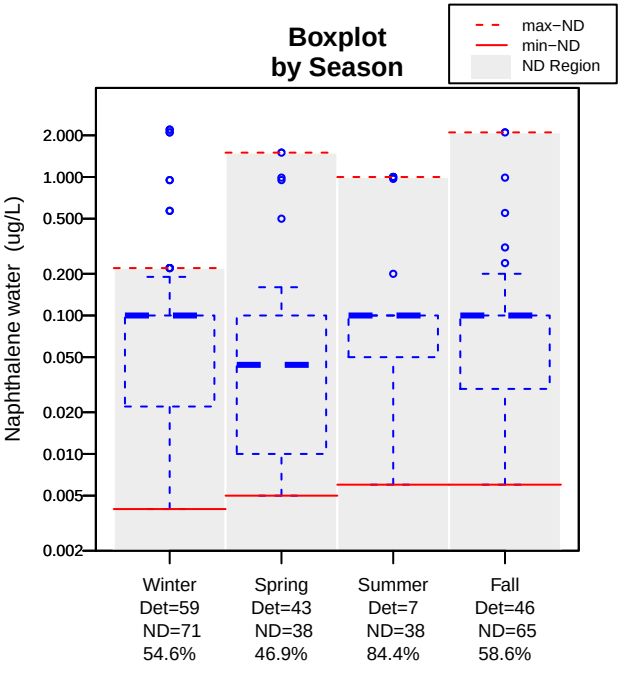

Jitter Plot
Detect−DrySeas
Detect−WetSeas
NonDetect−DrySeas
NonDetect−WetSeas
Naphthalene water (ug/L)
2.000
1.000
0.500
0.200
0.100
0.050
0.020
0.010
0.005
0.002
Ind
Det=32
ND=14
30.4%
Com
Det=56
ND=79
58.5%
HRes
Det=45
ND=74
62.2%
LRes
Det=22
ND=45
67.2%

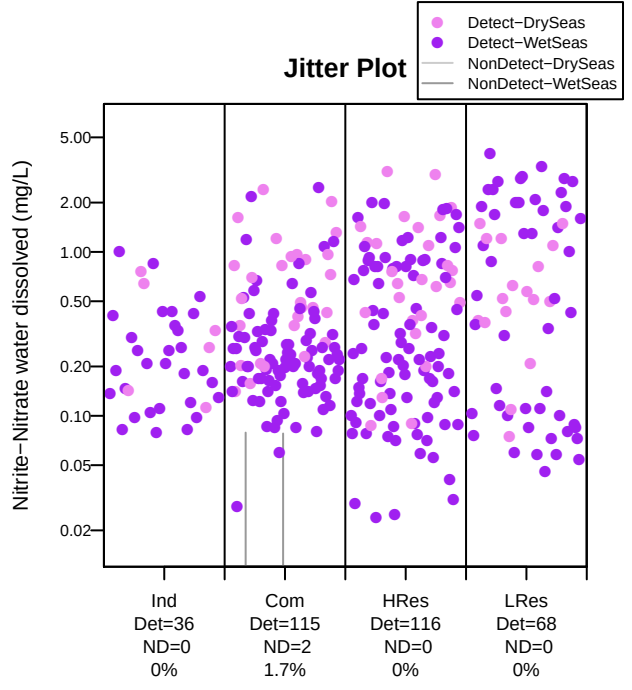

Percent Chance of Exceedance
95
90
75
50
25
10
5
Value
5e−01
5e−02
5e−03
5e−04
−2
−1
0
1
2
3
Normal Quantiles

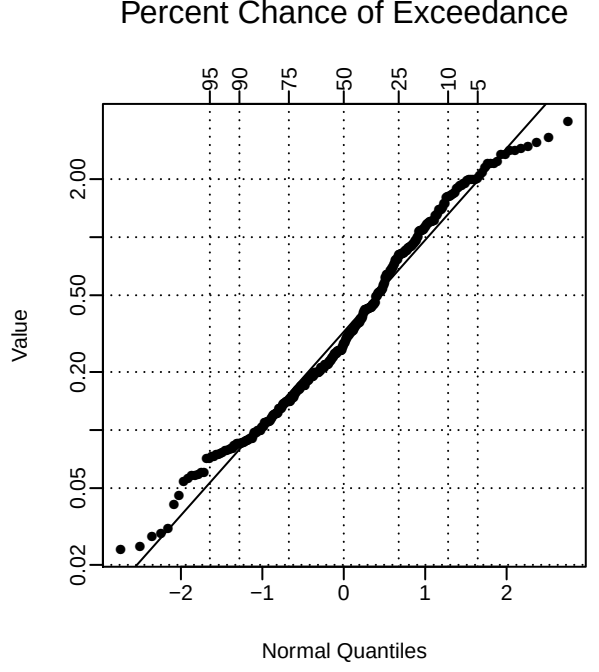

Non−Detect Levels
Naphthalene water (ug/L)
2.000
1.000
0.500
0.200
0.100
0.050
0.020
0.010
0.005
0.002
Unk
Lab−1
Lab−2
Lab−3
Lab−4
Lab−5
Lab−6
Lab−7
Lab−8

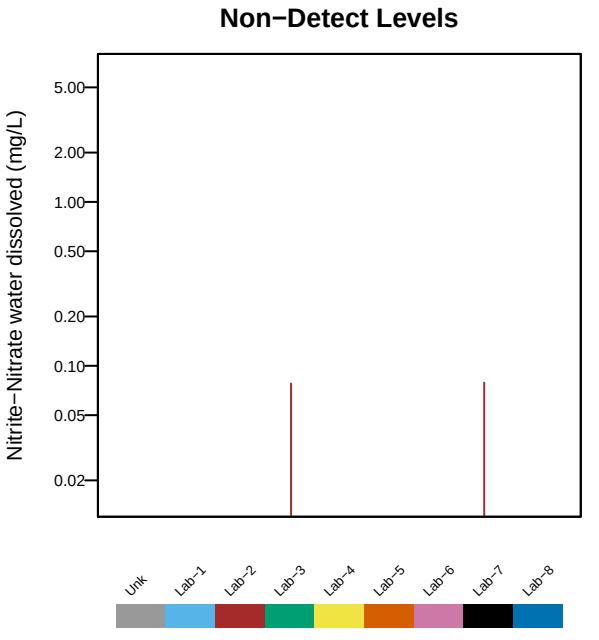

Empirical Distribution Function (EDF)
Ind
Com
HRes
LRes
Naphthalene water (ug/L)
2.000
1.000
0.500
0.200
0.100
0.050
0.020
0.010
0.005
0.002
0
20
40
60
80
100
Percent Below

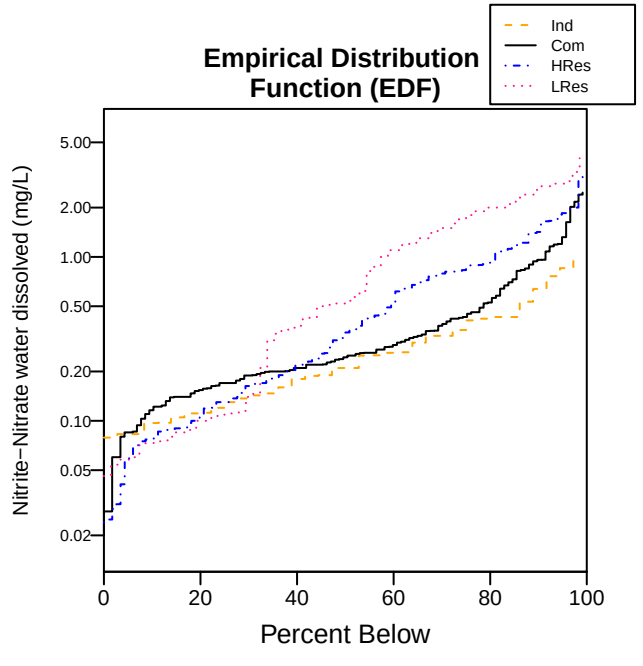

Boxplot by Land Use
max−ND
min−ND
ND Region
Naphthalene water (ug/L)
2.000
1.000
0.500
0.200
0.100
0.050
0.020
0.010
0.005
0.002
Ind
Det=32
ND=14
30.4%
Com
Det=56
ND=79
58.5%
HRes
Det=45
ND=74
62.2%
LRes
Det=22
ND=45
67.2%

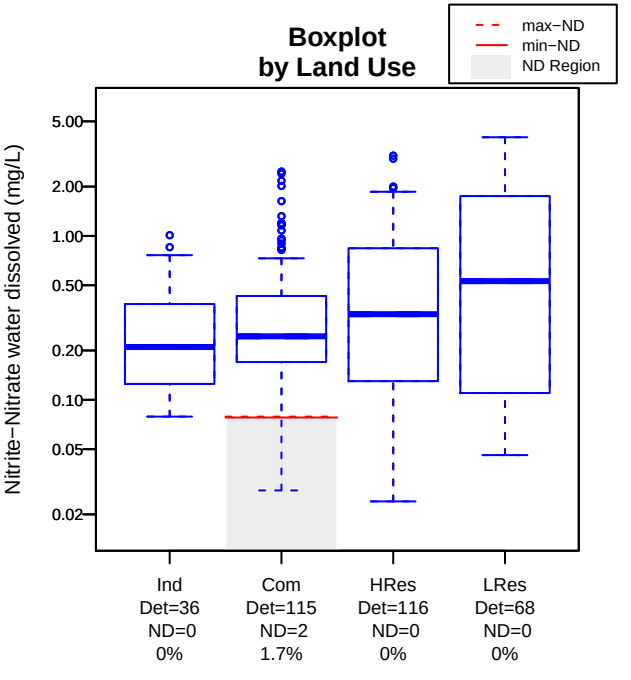

Boxplot by Season
max−ND
min−ND
ND Region
Naphthalene water (ug/L)
2.000
1.000
0.500
0.200
0.100
0.050
0.020
0.010
0.005
0.002
Winter
Det=59
ND=71
54.6%
Spring
Det=43
ND=38
46.9%
Summer
Det=7
ND=38
84.4%
Fall
Det=46
ND=65
58.6%

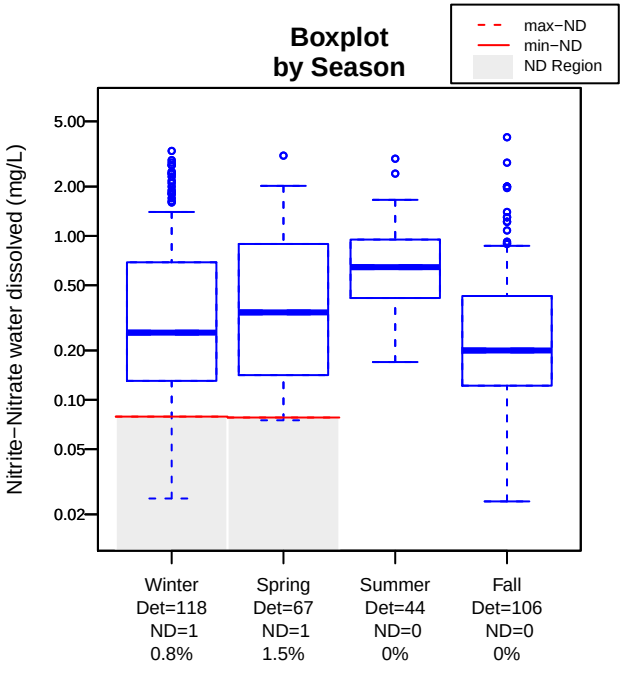

Jitter Plot
Detect−DrySeas
Detect−WetSeas
NonDetect−DrySeas
NonDetect−WetSeas
Nitrite−Nitrate water dissolved (mg/L)
5.00
2.00
1.00
0.50
0.20
0.10
0.05
0.02
Ind
Det=36
ND=0
0%
Com
Det=115
ND=2
1.7%
HRes
Det=116
ND=0
0%
LRes
Det=68
ND=0
0%

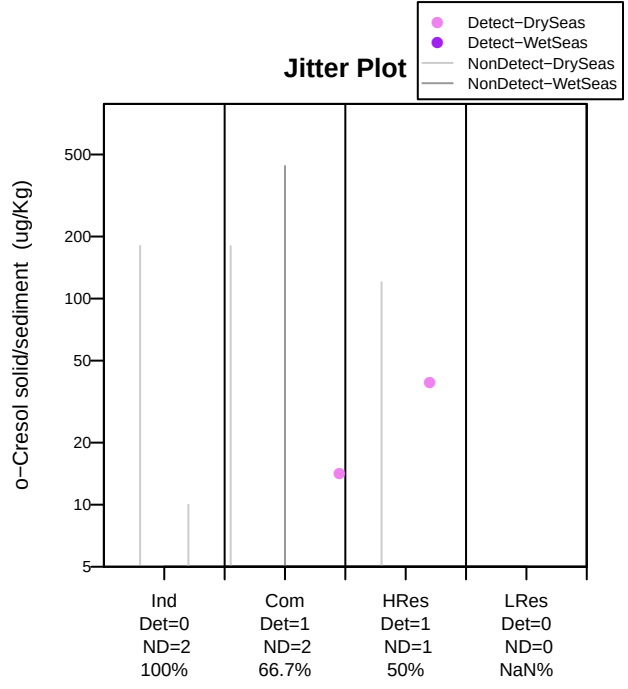

Percent Chance of Exceedance
95
90
75
50
25
10
5
Value
2.00
0.50
0.20
0.05
0.02
−2
−1
0
1
2
Normal Quantiles


Non−Detect Levels
Nitrite−Nitrate water dissolved (mg/L)
5.00
2.00
1.00
0.50
0.20
0.10
0.05
0.02
Unk
Lab−1
Lab−2
Lab−3
Lab−4
Lab−5
Lab−6
Lab−7
Lab−8

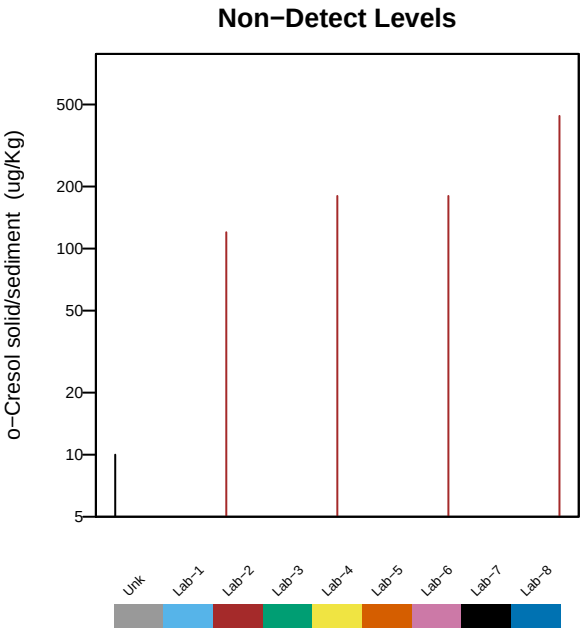

Empirical Distribution
Function (EDF)
Ind
Com
HRes
LRes
Nitrite−Nitrate water dissolved (mg/L)
5.00
2.00
1.00
0.50
0.20
0.10
0.05
0.02
0
20
40
60
80
100
Percent Below


Boxplot
by Land Use
max−ND
min−ND
ND Region
Nitrite−Nitrate water dissolved (mg/L)
5.00
2.00
1.00
0.50
0.20
0.10
0.05
0.02
Ind
Det=36
ND=0
0%
Com
Det=115
ND=2
1.7%
HRes
Det=116
ND=0
0%
LRes
Det=68
ND=0
0%


Boxplot
by Season
max−ND
min−ND
ND Region
Nitrite−Nitrate water dissolved (mg/L)
5.00
2.00
1.00
0.50
0.20
0.10
0.05
0.02
Winter
Det=118
ND=1
0.8%
Spring
Det=67
ND=1
1.5%
Summer
Det=44
ND=0
0%
Fall
Det=106
ND=0
0%



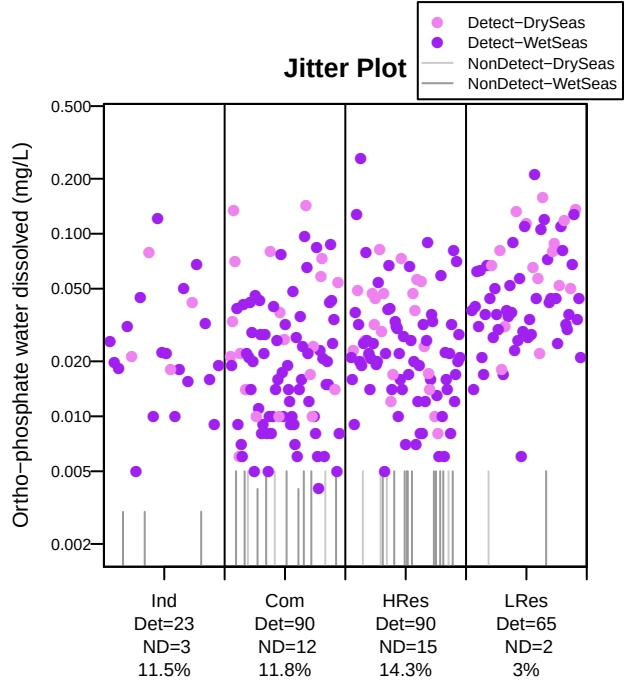
Not Plotted
(Less than 5 detections)

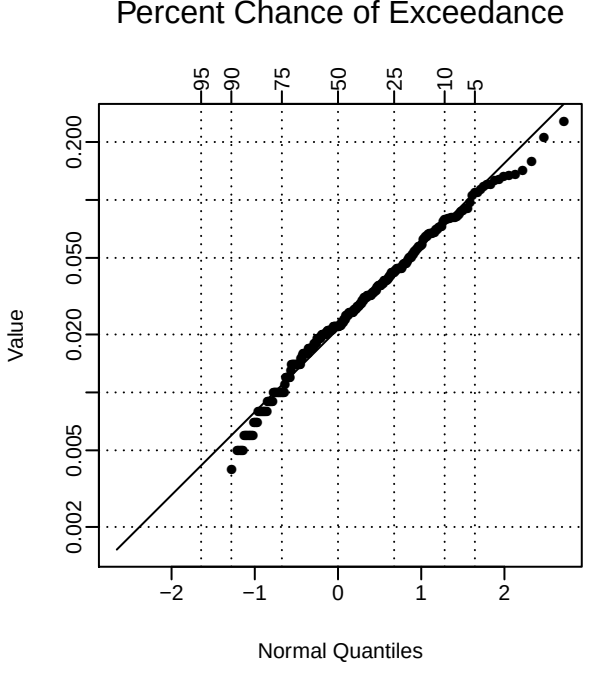


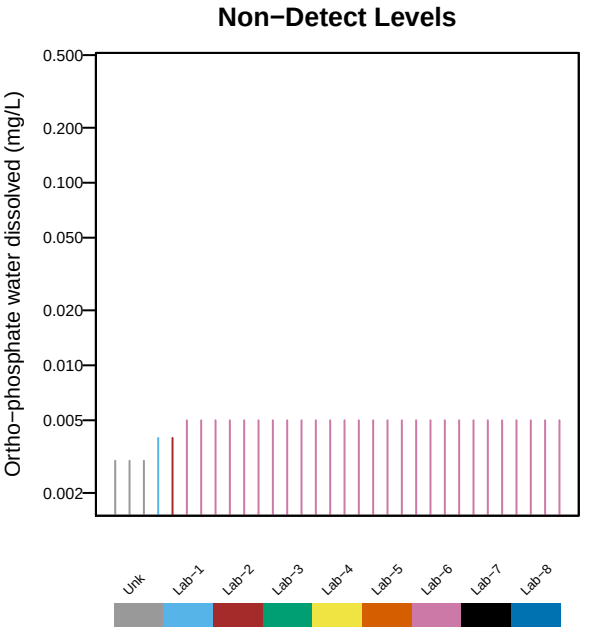
Not Plotted
(Less than 5 detections)

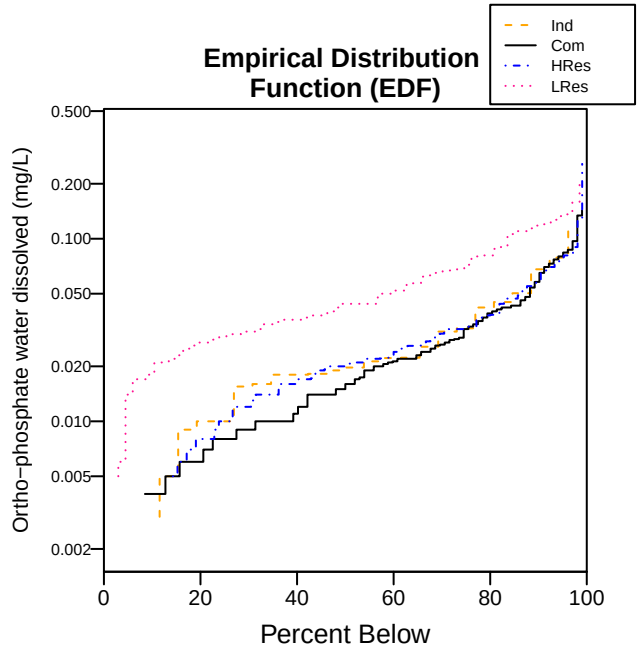
Not Plotted
(Less than 5 detections)

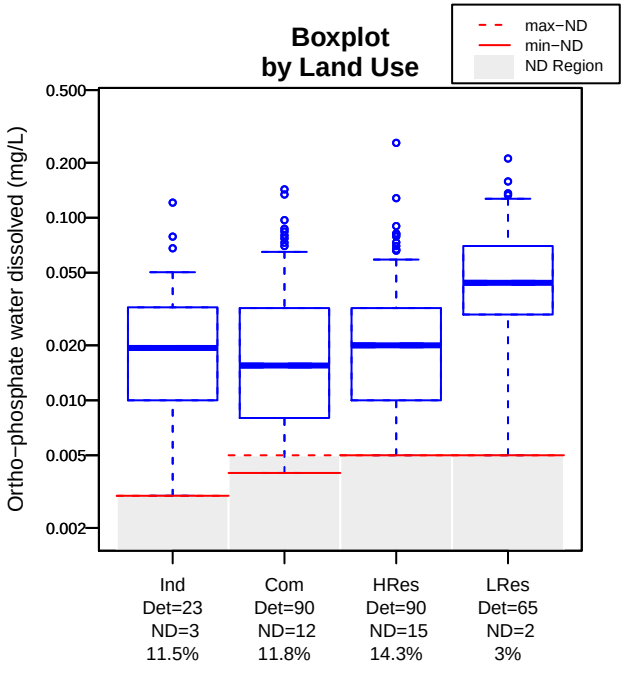
Not Plotted
(Less than 5 detections)

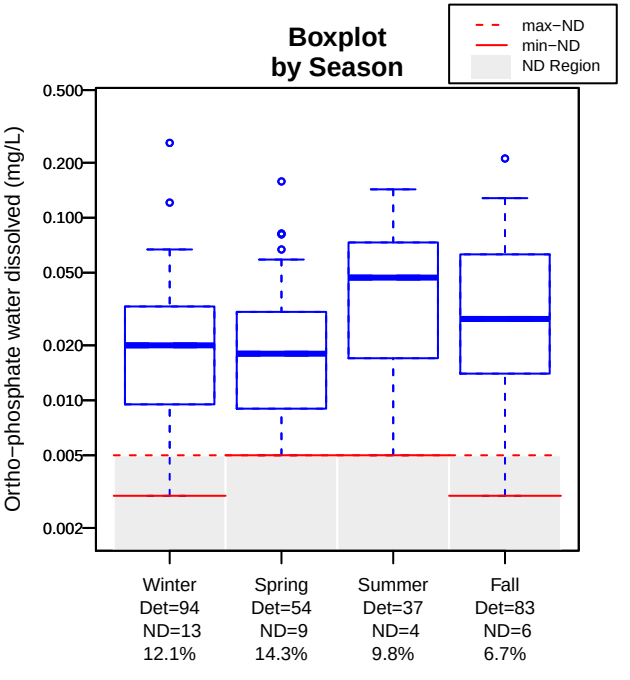

Jitter Plot
Detect−DrySeas
Detect−WetSeas
NonDetect−DrySeas
NonDetect−WetSeas
Ortho−phosphate water dissolved (mg/L)
0.500
0.200
0.100
0.050
0.020
0.010
0.005
0.002
Ind
Det=23
ND=3
11.5%
Com
Det=90
ND=12
11.8%
HRes
Det=90
ND=15
14.3%
LRes
Det=65
ND=2
3%

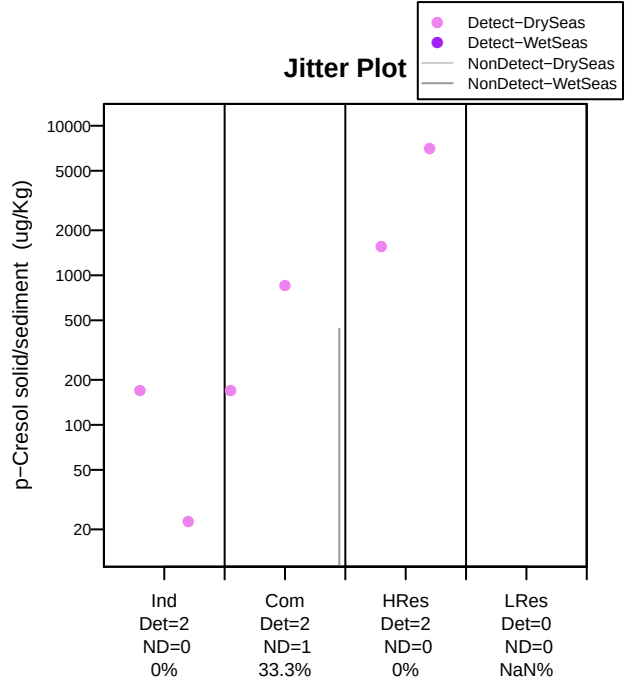

Percent Chance of Exceedance
95
90
75
50
25
10
5
Value
0.200
0.050
0.020
0.005
0.002
−2
−1
0
1
2
Normal Quantiles

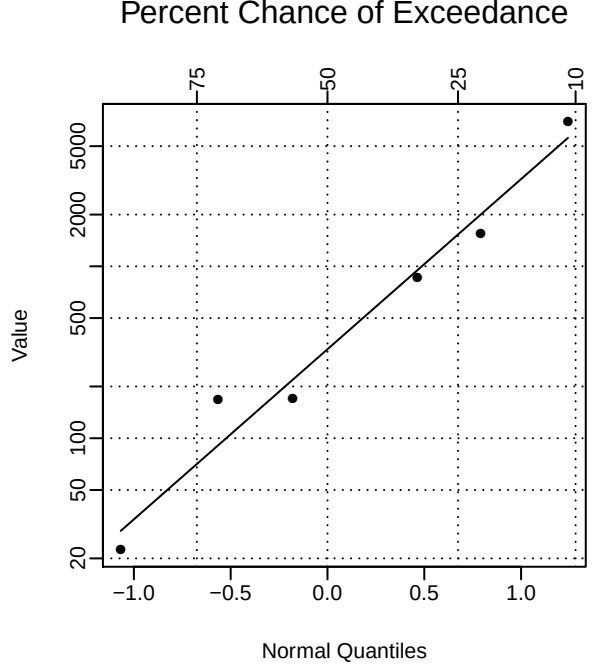

Non−Detect Levels
Ortho−phosphate water dissolved (mg/L)
0.500
0.200
0.100
0.050
0.020
0.010
0.005
0.002
Unk
Lab−1
Lab−2
Lab−3
Lab−4
Lab−5
Lab−6
Lab−7
Lab−8

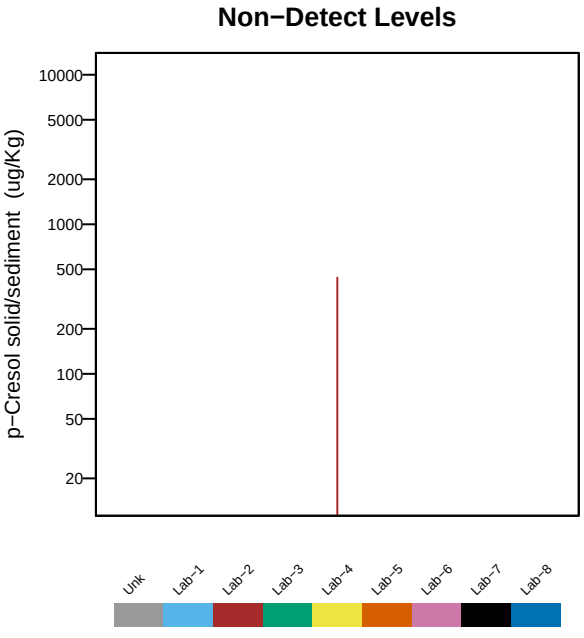

Empirical Distribution Function (EDF)
Ind
Com
HRes
LRes
Ortho−phosphate water dissolved (mg/L)
0.500
0.200
0.100
0.050
0.020
0.010
0.005
0.002
0
20
40
60
80
100
Percent Below

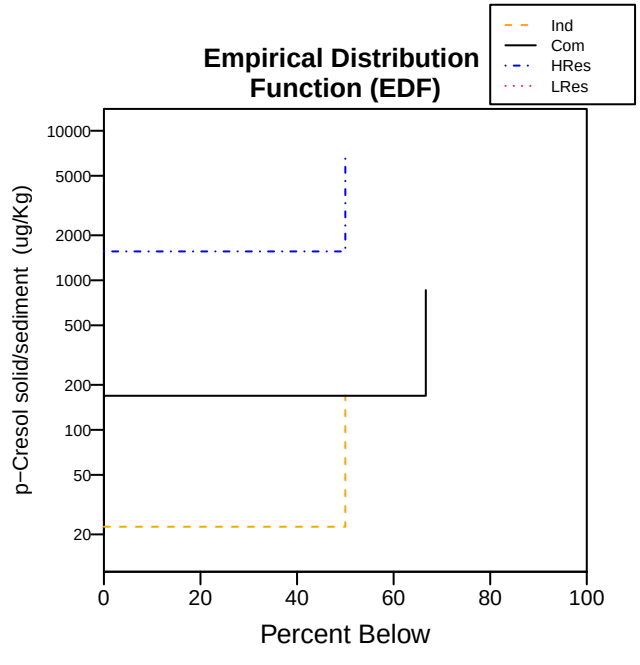

Boxplot by Land Use
max−ND
min−ND
ND Region
Ortho−phosphate water dissolved (mg/L)
0.500
0.200
0.100
0.050
0.020
0.010
0.005
0.002
Ind
Det=23
ND=3
11.5%
Com
Det=90
ND=12
11.8%
HRes
Det=90
ND=15
14.3%
LRes
Det=65
ND=2
3%


Boxplot by Season
max−ND
min−ND
ND Region
Ortho−phosphate water dissolved (mg/L)
0.500
0.200
0.100
0.050
0.020
0.010
0.005
0.002
Winter
Det=94
ND=13
12.1%
Spring
Det=54
ND=9
14.3%
Summer
Det=37
ND=4
9.8%
Fall
Det=83
ND=6
6.7%

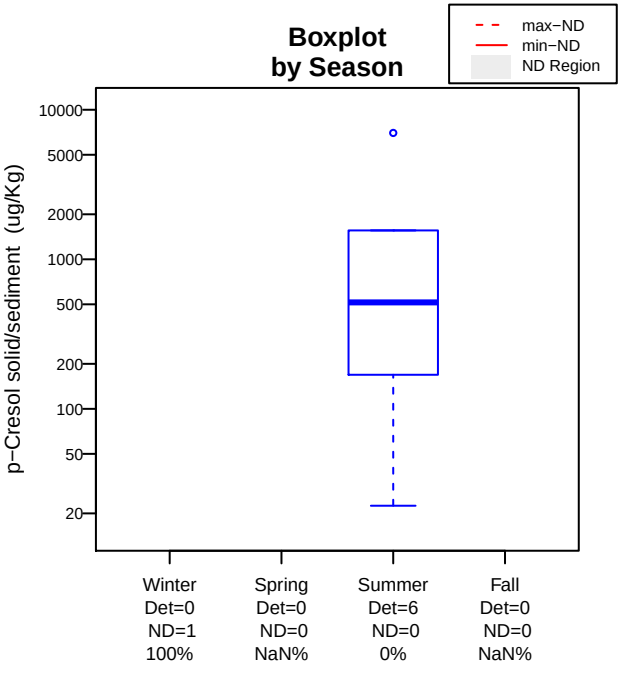


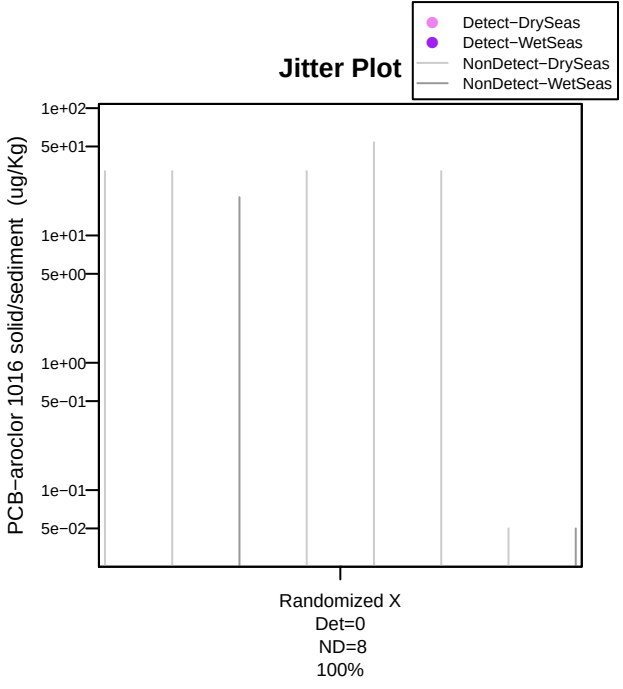




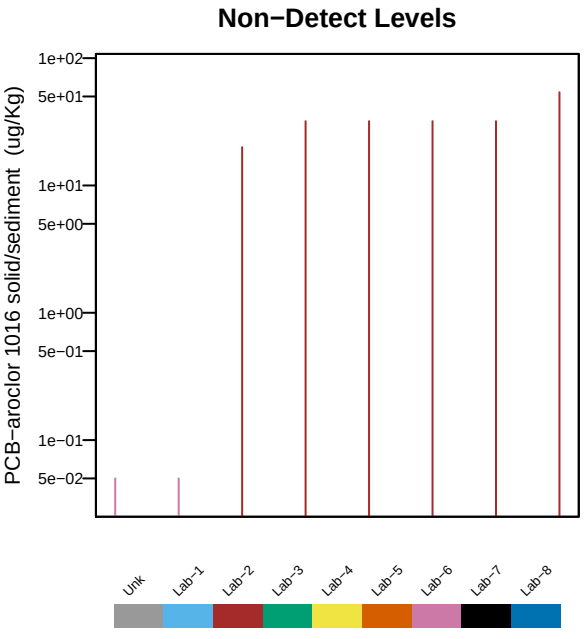


Not Plotted
(No land use has 5 or more detections)





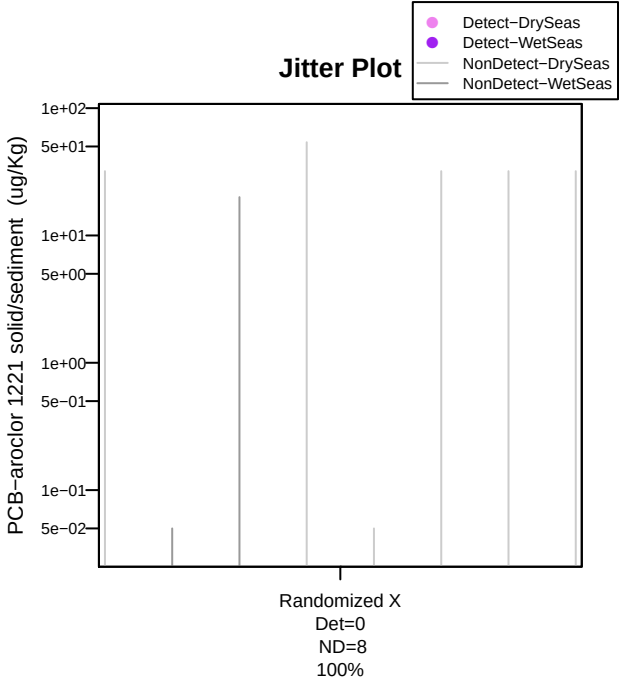
Not Plotted
(Case C)



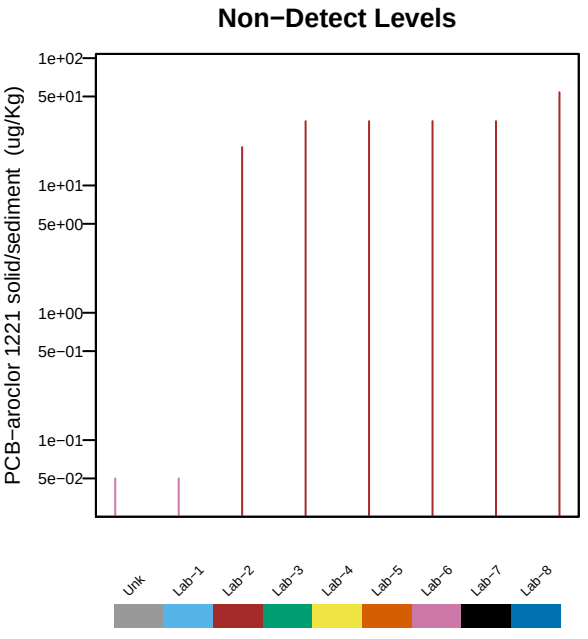
Not Plotted
(Less than 5 detections)

Not Plotted
(Case C)

Not Plotted
(Case C)



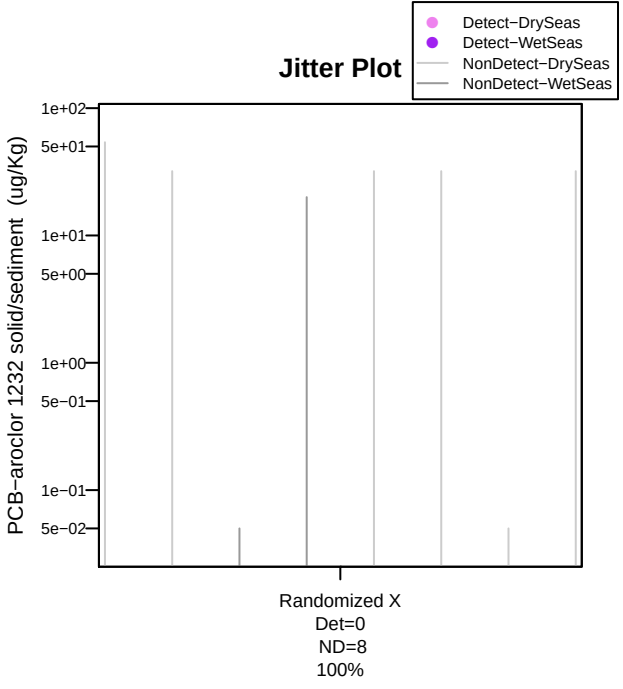
Not Plotted
(Case C)



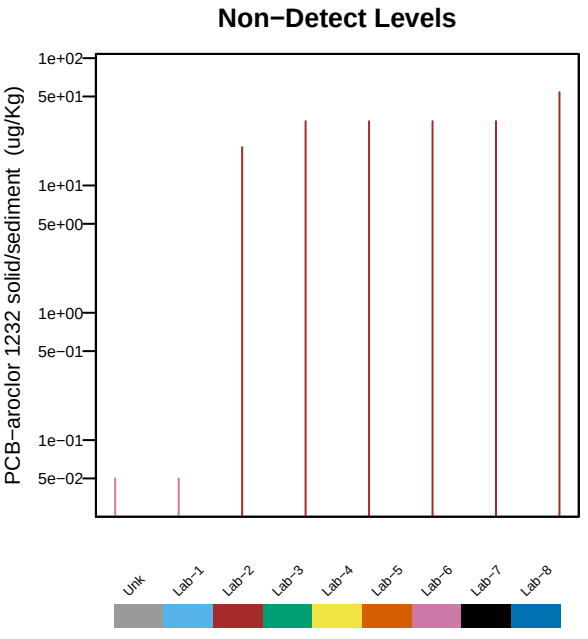
Not Plotted
(Less than 5 detections)

Not Plotted
(Case C)

Not Plotted
(Case C)



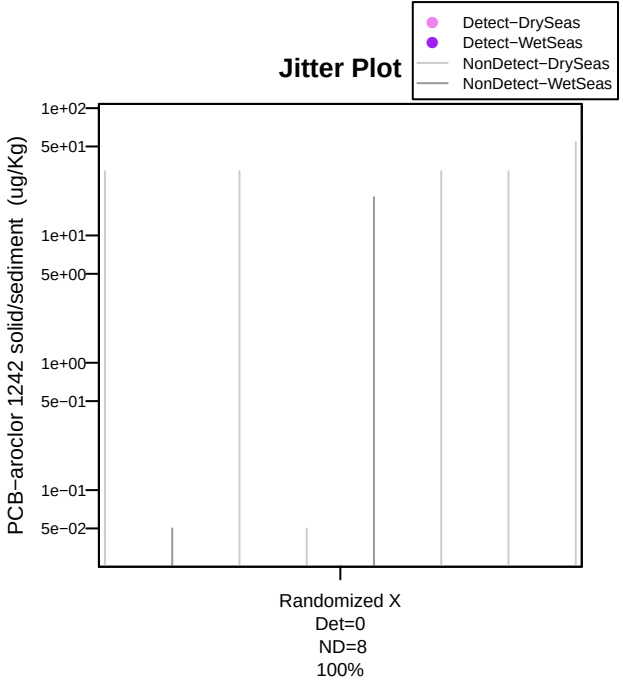
Not Plotted
(Case C)



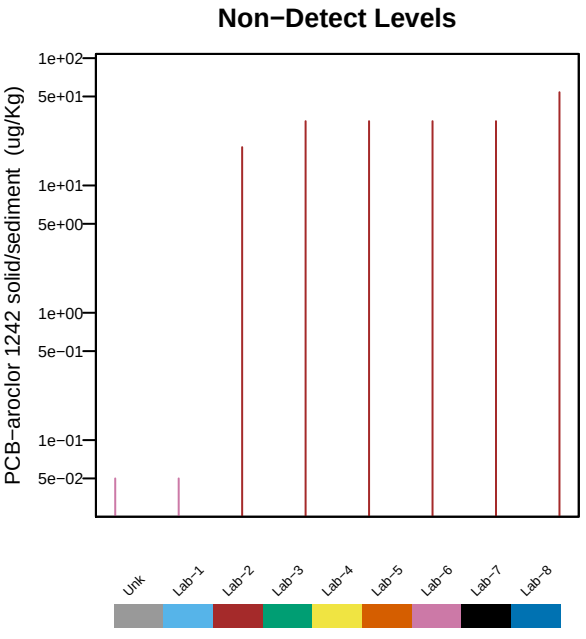
Not Plotted
(Less than 5 detections)

Not Plotted
(Case C)

Not Plotted
(Case C)



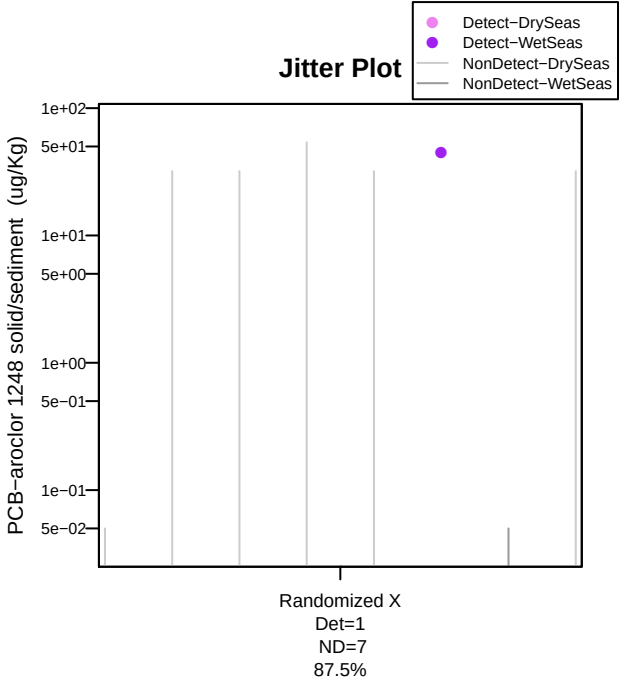
Not Plotted
(Case C)



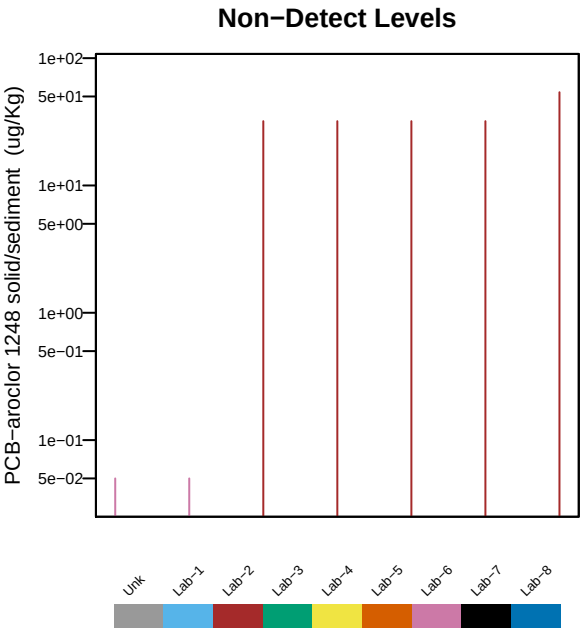
Not Plotted
(Less than 5 detections)

Not Plotted
(Case C)

Not Plotted
(Case C)



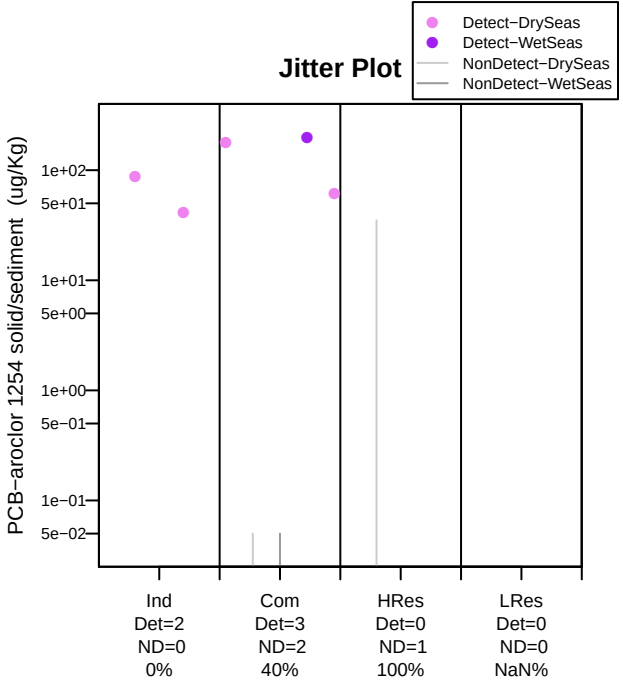
Not Plotted
(Case C)

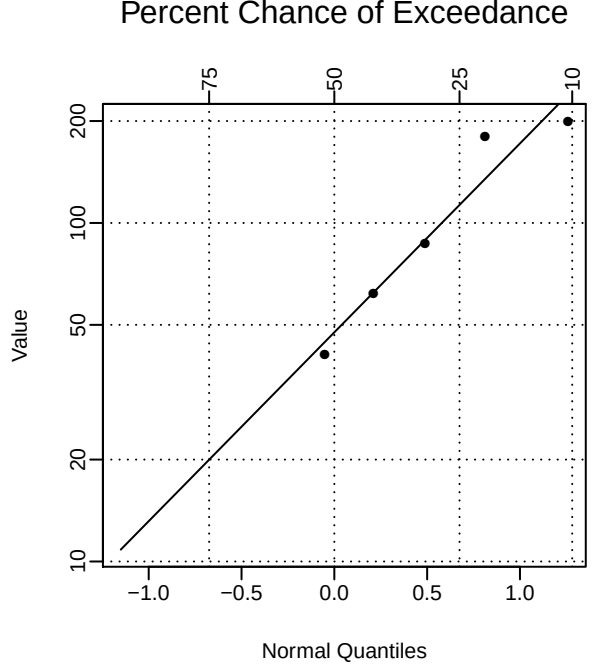


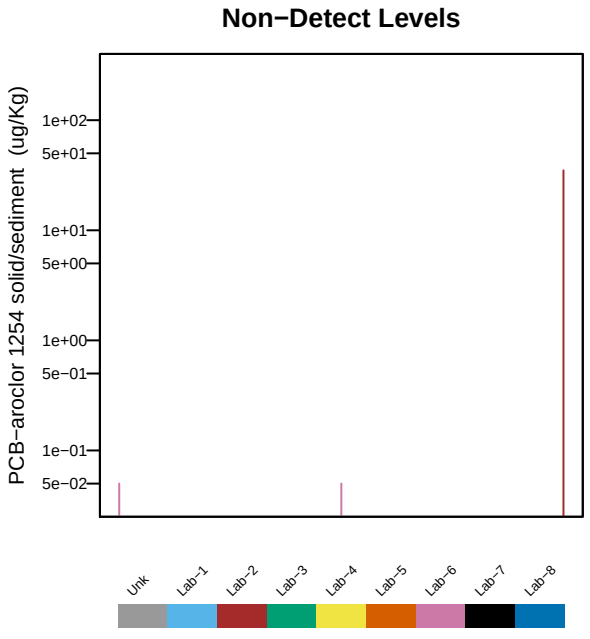
Not Plotted
(Less than 5 detections)

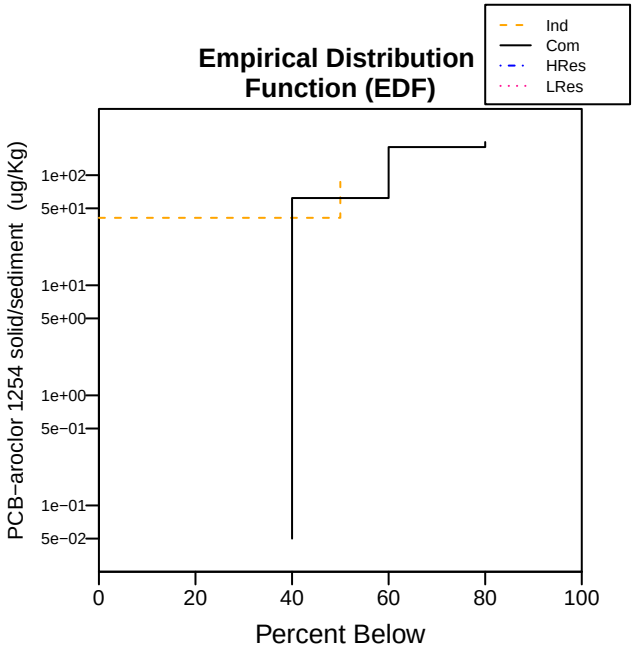
Not Plotted
(Case C)

Not Plotted
(Case C)



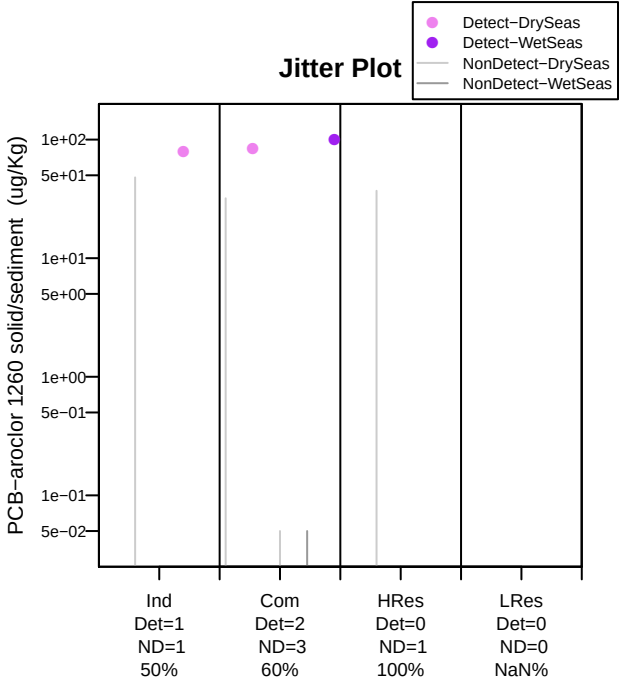




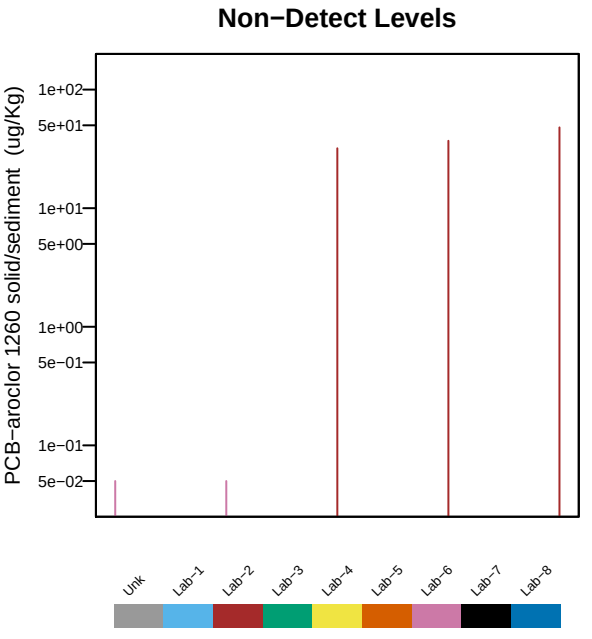


Not Plotted
(No land use has 5 or more detections)

Not Plotted
(No season has 5 or more detections)



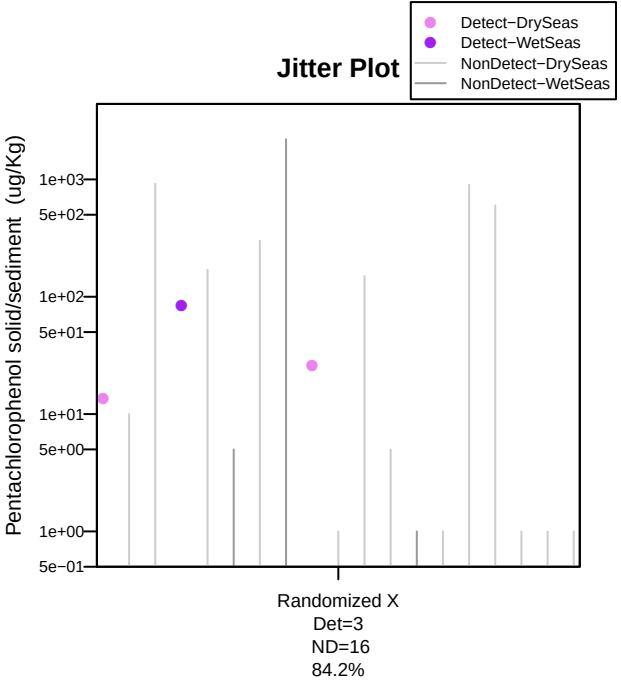
Not Plotted
(Less than 5 detections)



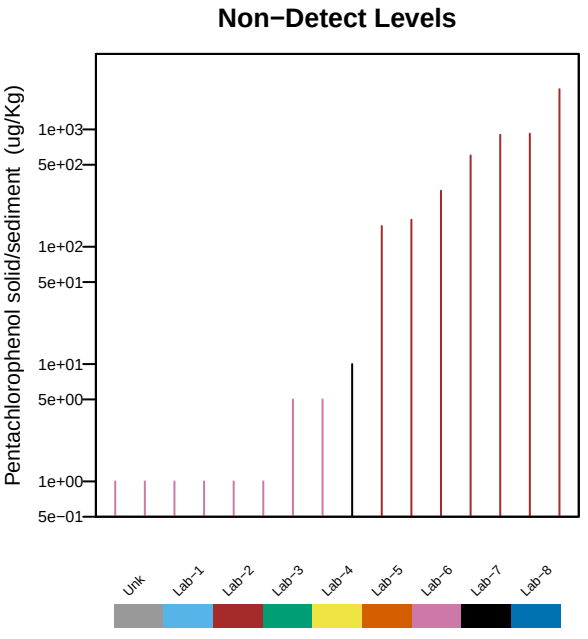
Not Plotted
(Less than 5 detections)

Not Plotted
(Less than 5 detections)

Not Plotted
(Less than 5 detections)



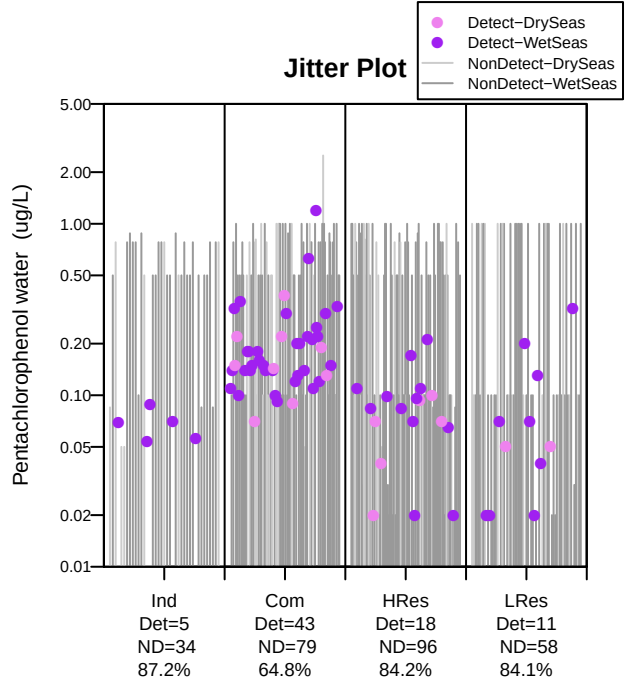
Not Plotted
(Case C)

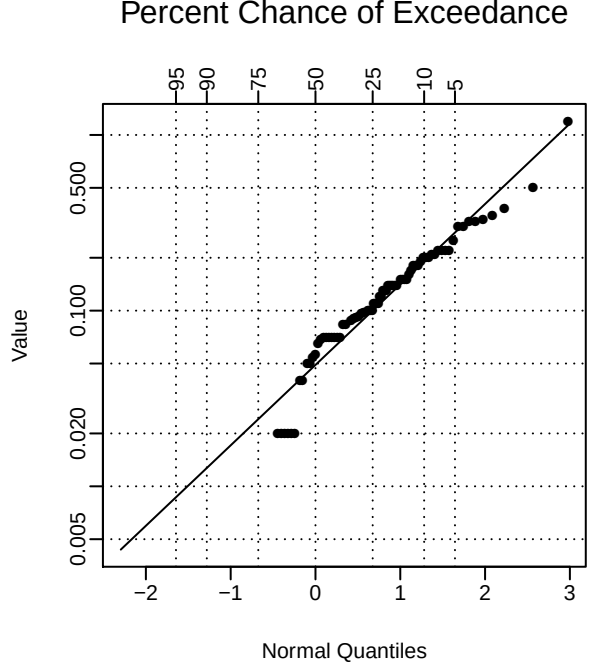


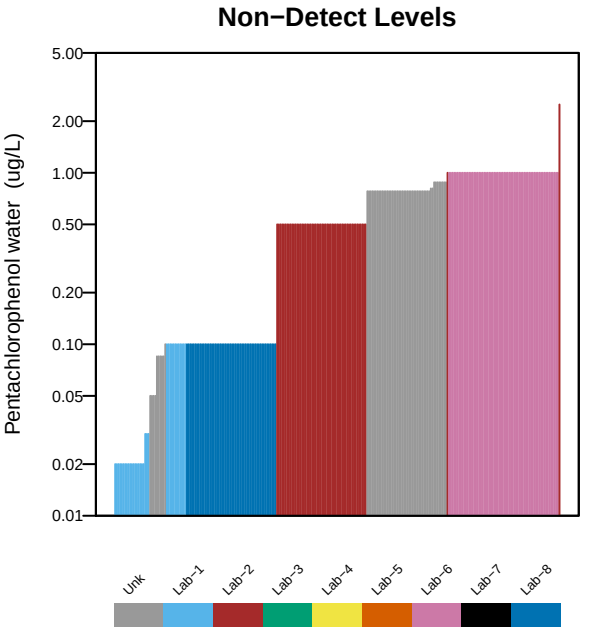
Not Plotted
(Less than 5 detections)

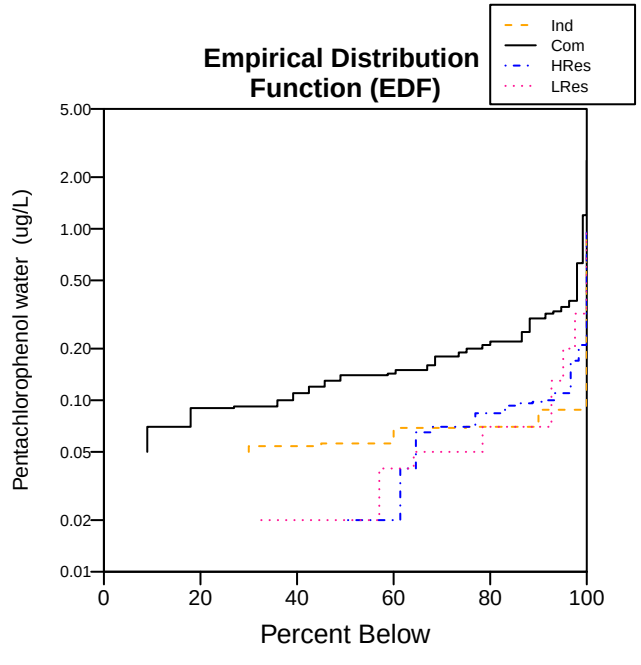
Not Plotted
(Case C)

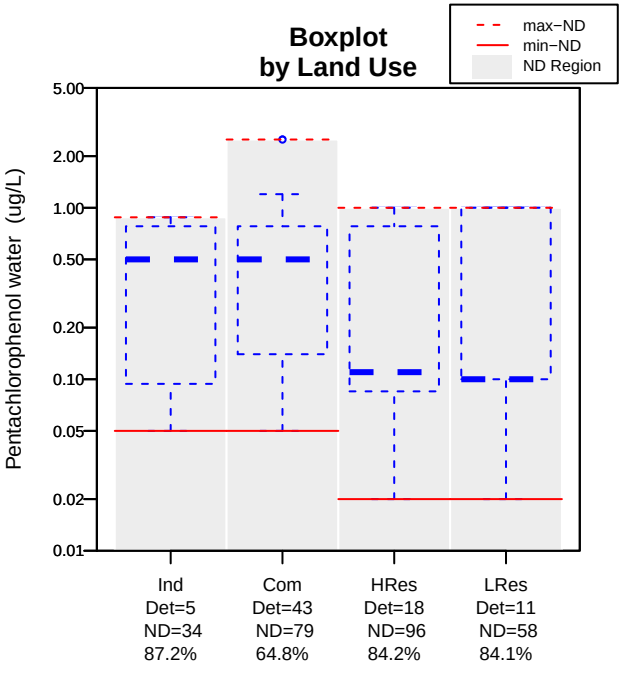
Not Plotted
(Case C)

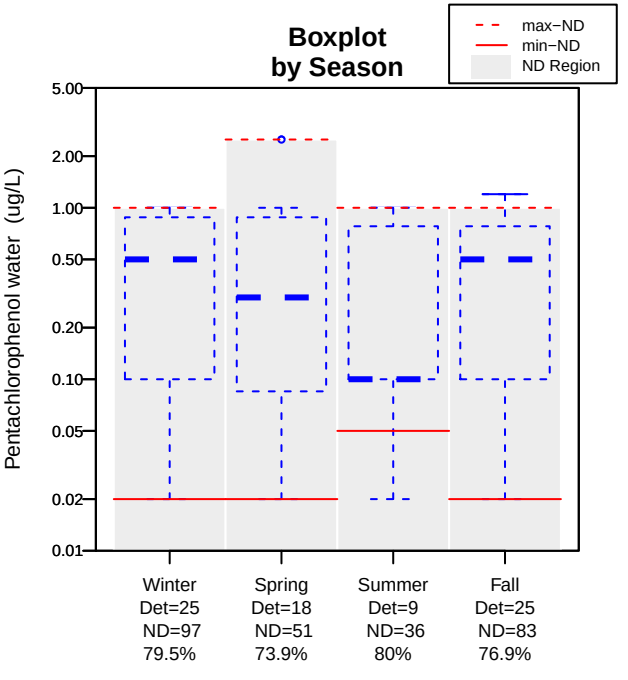

Jitter Plot
Detect−DrySeas
Detect−WetSeas
NonDetect−DrySeas
NonDetect−WetSeas
Pentachlorophenol water (ug/L)
5.00
2.00
1.00
0.50
0.20
0.10
0.05
0.02
0.01
Ind
Det=5
ND=34
87.2%
Com
Det=43
ND=79
64.8%
HRes
Det=18
ND=96
84.2%
LRes
Det=11
ND=58
84.1%

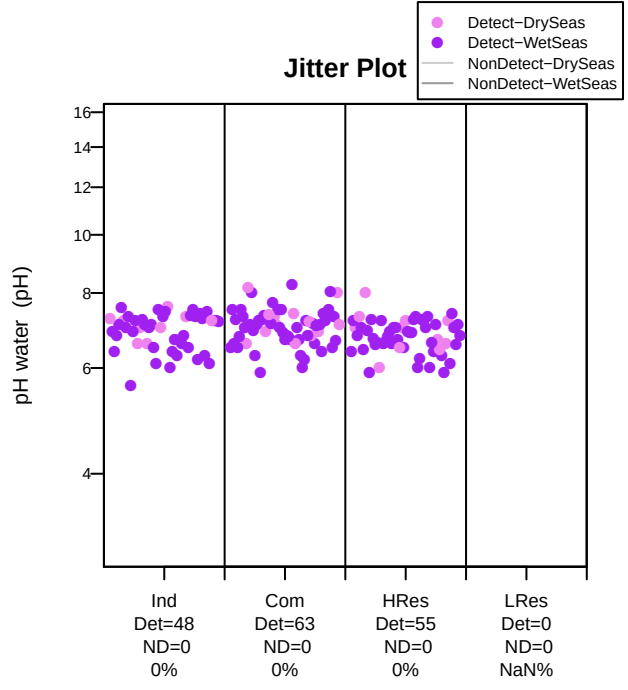

Percent Chance of Exceedance
95
90
75
50
25
10
5
Value
0.500
0.100
0.020
0.005
−2
−1
0
1
2
3
Normal Quantiles

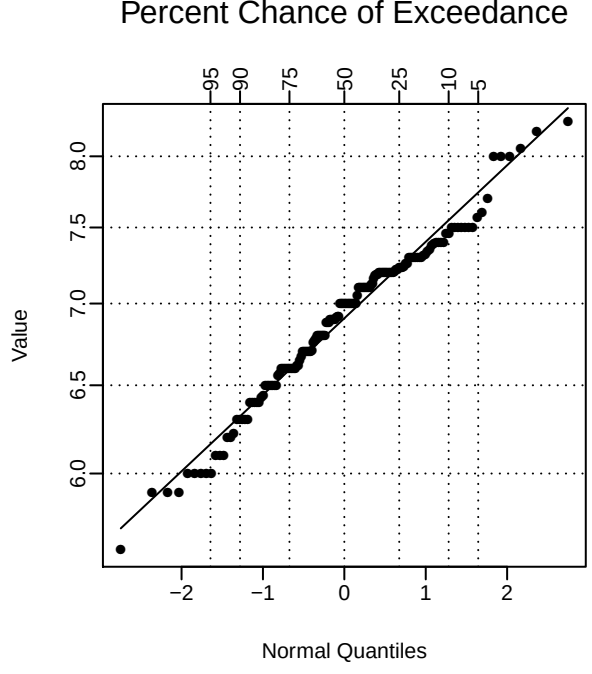

Non−Detect Levels
Pentachlorophenol water (ug/L)
5.00
2.00
1.00
0.50
0.20
0.10
0.05
0.02
0.01
Unk
Lab−1
Lab−2
Lab−3
Lab−4
Lab−5
Lab−6
Lab−7
Lab−8


Empirical Distribution Function (EDF)
Ind
Com
HRes
LRes
Pentachlorophenol water (ug/L)
5.00
2.00
1.00
0.50
0.20
0.10
0.05
0.02
0.01
0
20
40
60
80
100
Percent Below

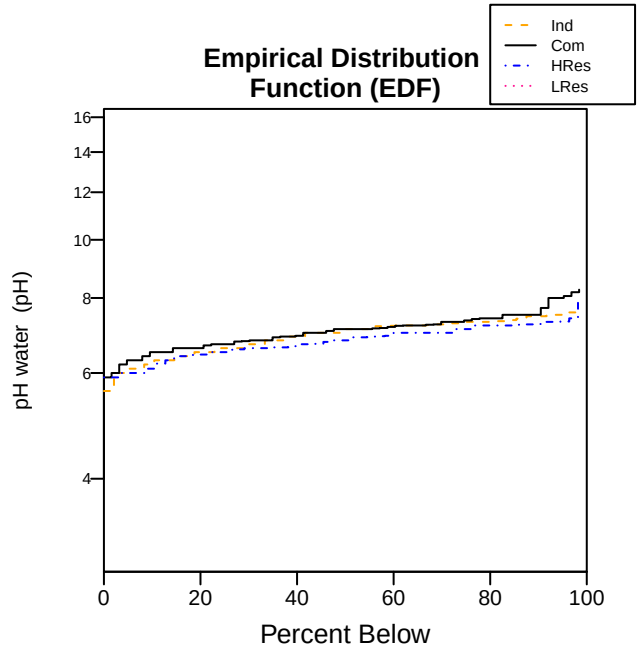

Boxplot by Land Use
max−ND
min−ND
ND Region
Pentachlorophenol water (ug/L)
5.00
2.00
1.00
0.50
0.20
0.10
0.05
0.02
0.01
Ind
Det=5
ND=34
87.2%
Com
Det=43
ND=79
64.8%
HRes
Det=18
ND=96
84.2%
LRes
Det=11
ND=58
84.1%

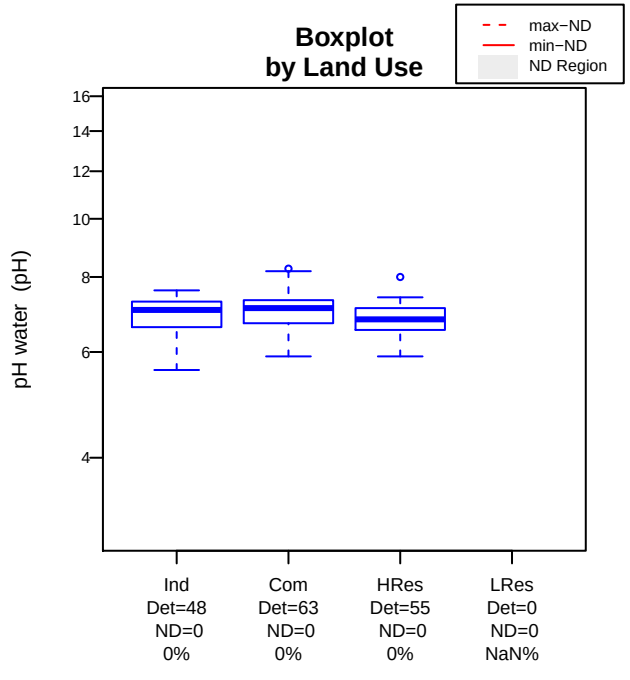

Boxplot by Season
max−ND
min−ND
ND Region
Pentachlorophenol water (ug/L)
5.00
2.00
1.00
0.50
0.20
0.10
0.05
0.02
0.01
Winter
Det=25
ND=97
79.5%
Spring
Det=18
ND=51
73.9%
Summer
Det=9
ND=36
80%
Fall
Det=25
ND=83
76.9%

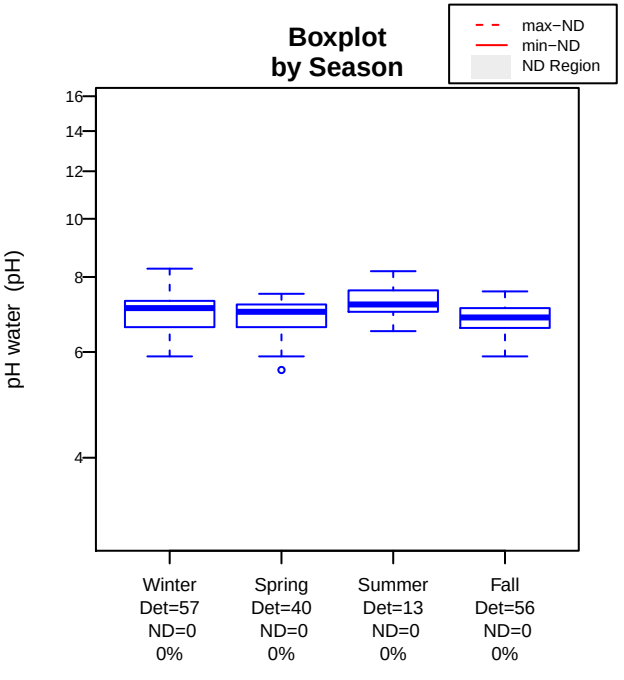


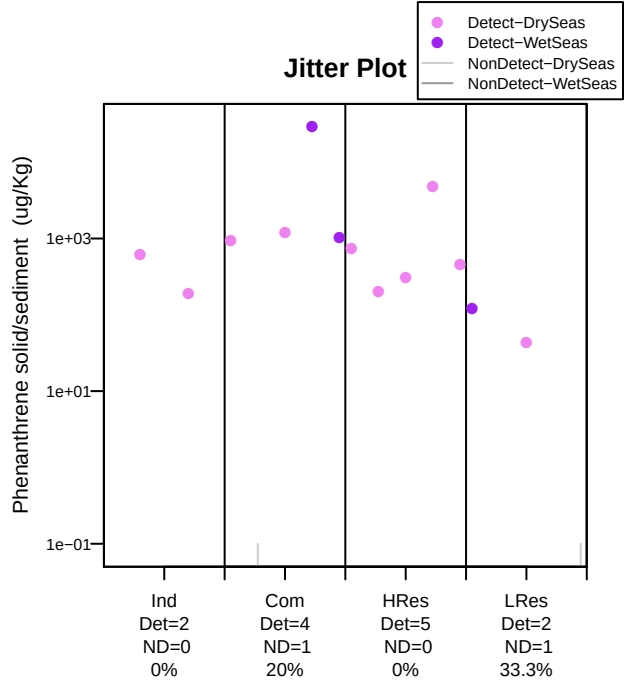


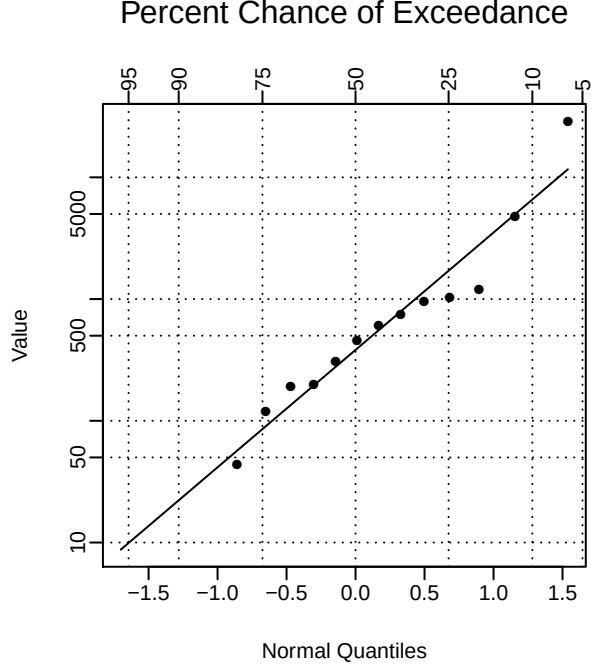
Not Plotted
(No Non−Detects)

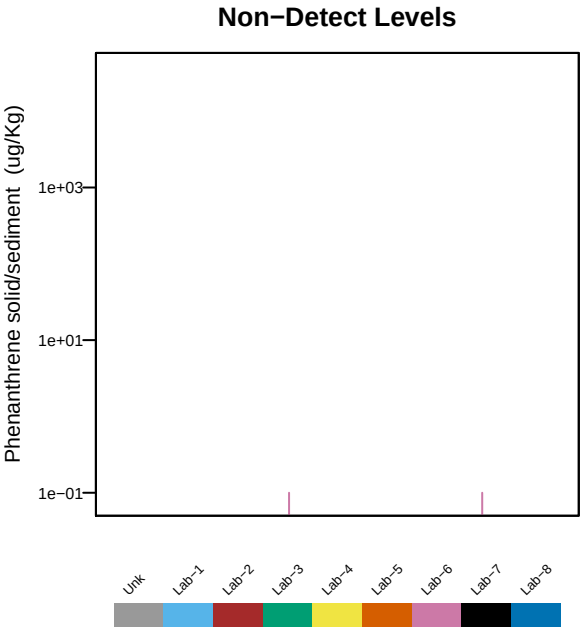


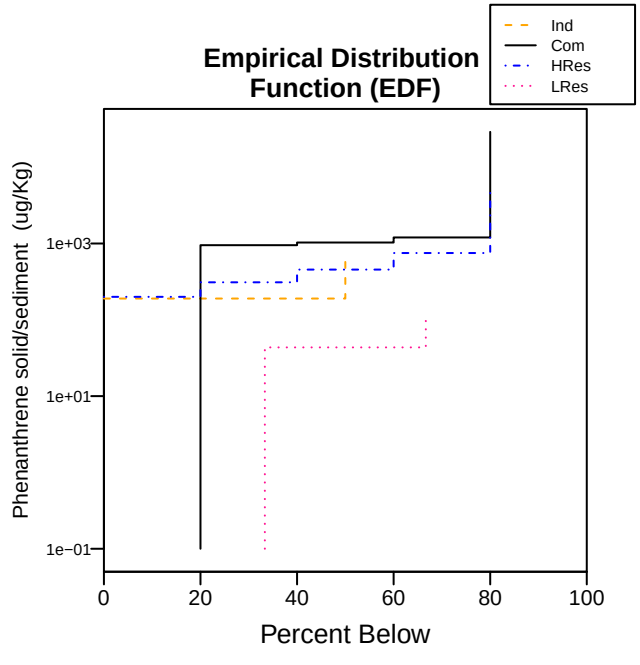


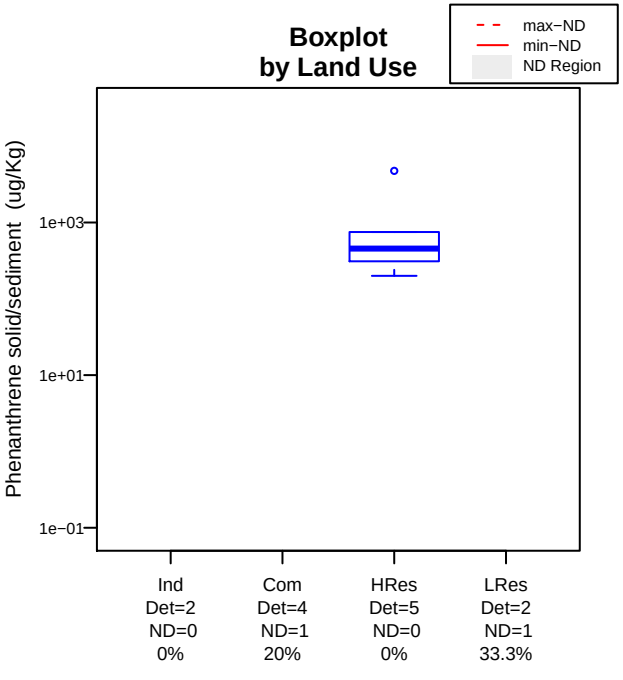


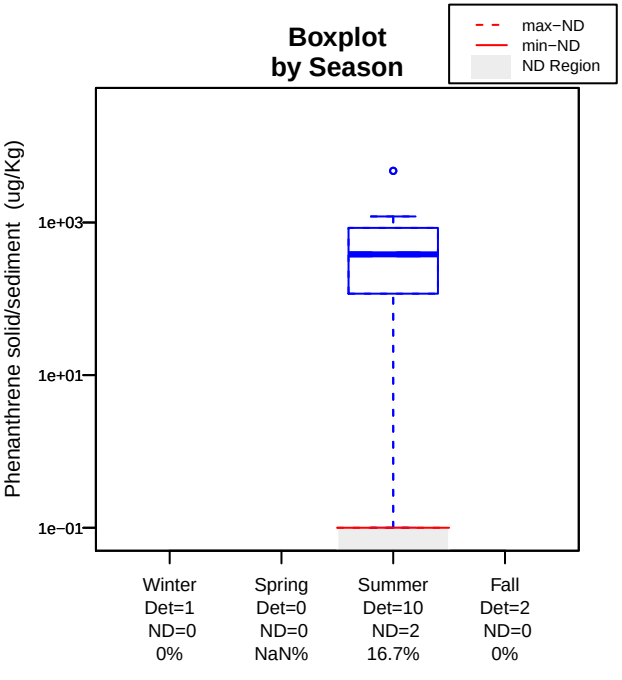

Jitter Plot
Detect−DrySeas
Detect−WetSeas
NonDetect−DrySeas
NonDetect−WetSeas
Phenanthrene solid/sediment (ug/Kg)
1e+03
1e+01
1e−01
Ind
Det=2
ND=0
0%
Com
Det=4
ND=1
20%
HRes
Det=5
ND=0
0%
LRes
Det=2
ND=1
33.3%

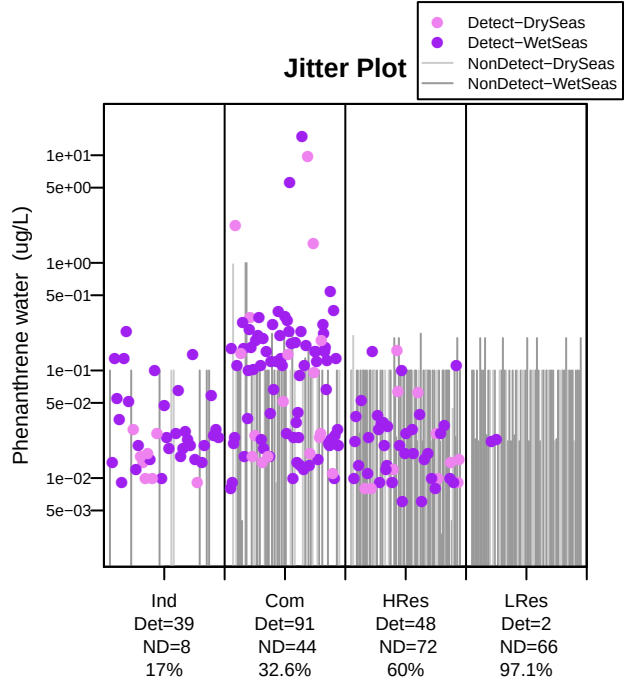

Percent Chance of Exceedance
95
90
75
50
25
10
5
Value
5000
500
50
10
−1.5
−1.0
−0.5
0.0
0.5
1.0
1.5
Normal Quantiles

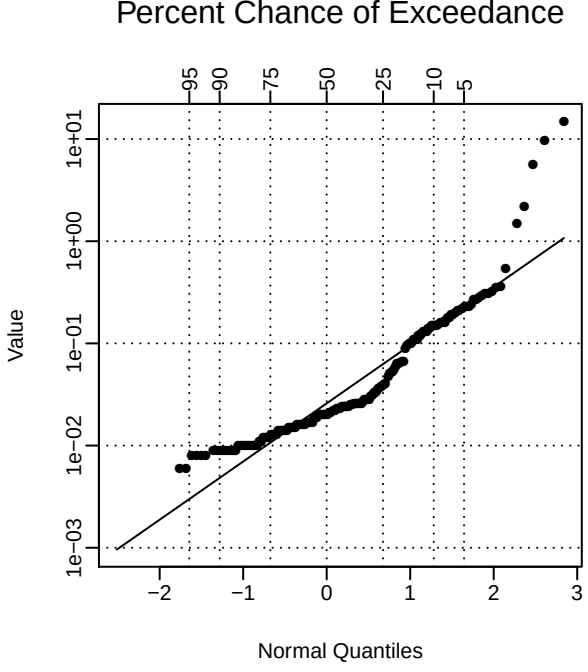

Non−Detect Levels
Phenanthrene solid/sediment (ug/Kg)
1e+03
1e+01
1e−01
Unk
Lab−1
Lab−2
Lab−3
Lab−4
Lab−5
Lab−6
Lab−7
Lab−8

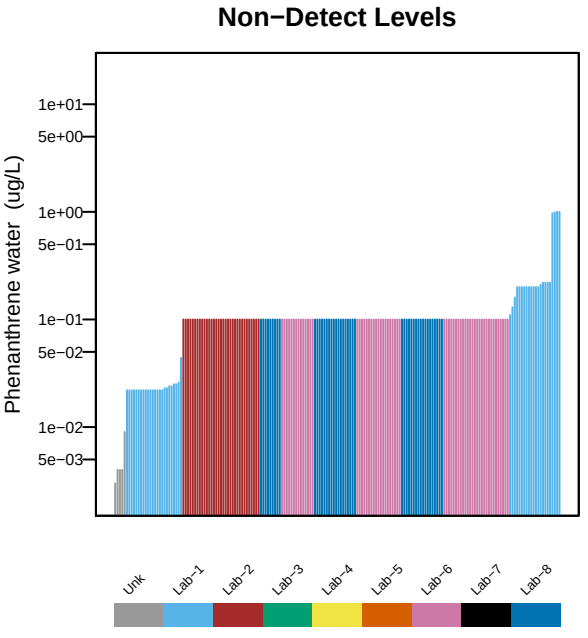

Empirical Distribution Function (EDF)
Ind
Com
HRes
LRes
Phenanthrene solid/sediment (ug/Kg)
1e+03
1e+01
1e−01
0
20
40
60
80
100
Percent Below

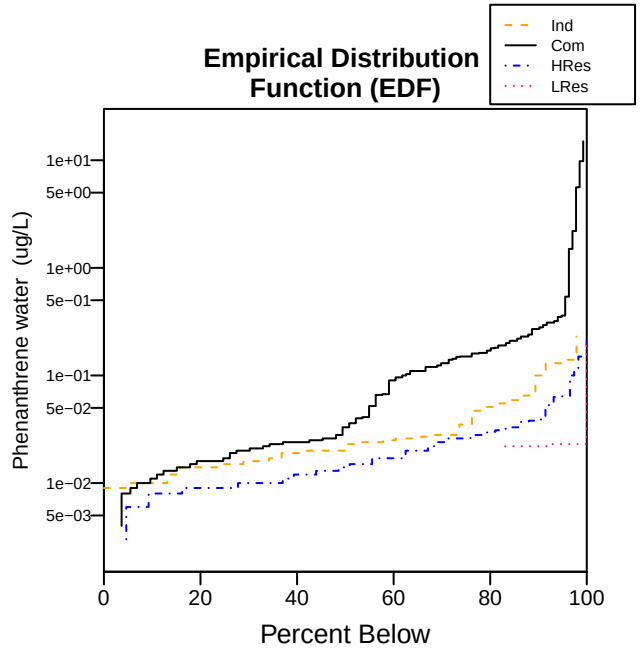

Boxplot by Land Use
max−ND
min−ND
ND Region
Phenanthrene solid/sediment (ug/Kg)
1e+03
1e+01
1e−01
Ind
Det=2
ND=0
0%
Com
Det=4
ND=1
20%
HRes
Det=5
ND=0
0%
LRes
Det=2
ND=1
33.3%

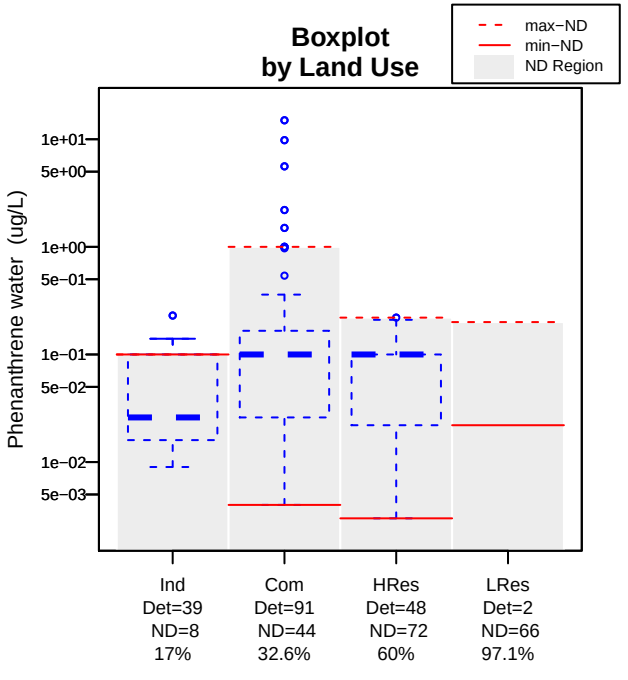

Boxplot by Season
max−ND
min−ND
ND Region
Phenanthrene solid/sediment (ug/Kg)
1e+03
1e+01
1e−01
Winter
Det=1
ND=0
0%
Spring
Det=0
ND=0
NaN%
Summer
Det=10
ND=2
16.7%
Fall
Det=2
ND=0
0%

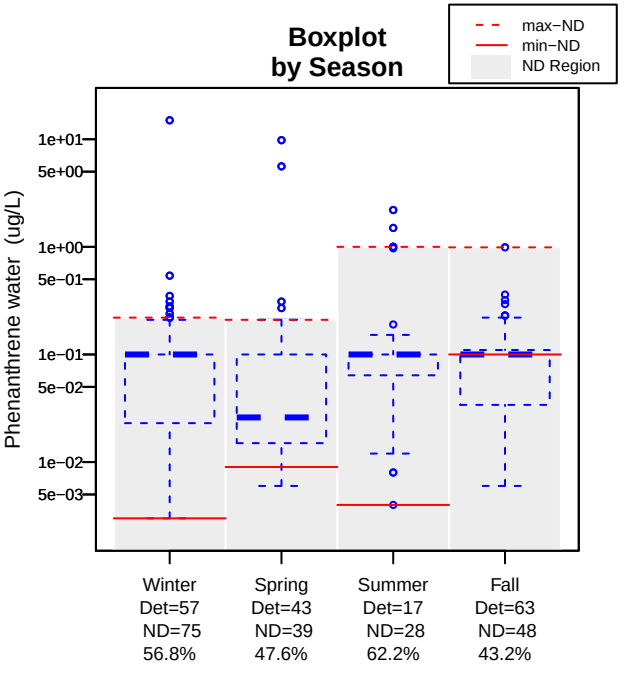

Jitter Plot
Detect−DrySeas
Detect−WetSeas
NonDetect−DrySeas
NonDetect−WetSeas
Phenanthrene water (ug/L)
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
1e−02
5e−03
Ind
Det=39
ND=8
17%
Com
Det=91
ND=44
32.6%
HRes
Det=48
ND=72
60%
LRes
Det=2
ND=66
97.1%

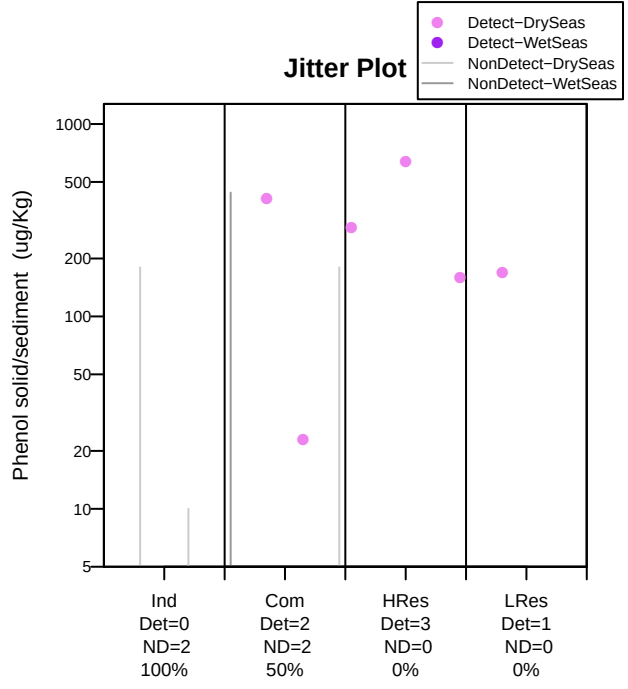

Percent Chance of Exceedance
95
90
75
50
25
10
5
Value
1e+01
1e+00
1e−01
1e−02
1e−03
−2
−1
0
1
2
3
Normal Quantiles

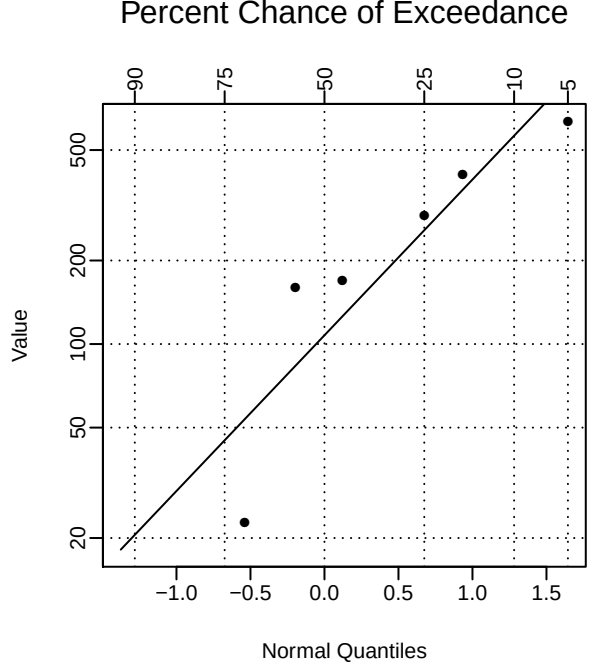

Non−Detect Levels
Phenanthrene water (ug/L)
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
1e−02
5e−03
Unk
Lab−1
Lab−2
Lab−3
Lab−4
Lab−5
Lab−6
Lab−7
Lab−8

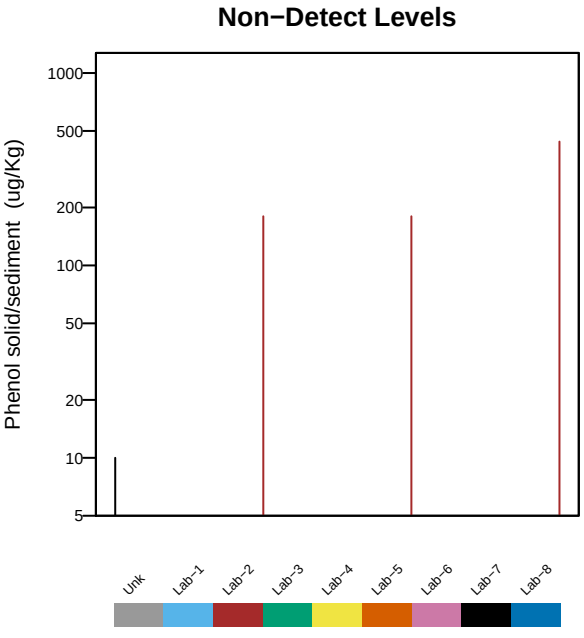

Empirical Distribution Function (EDF)
Ind
Com
HRes
LRes
Phenanthrene water (ug/L)
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
1e−02
5e−03
0
20
40
60
80
100
Percent Below

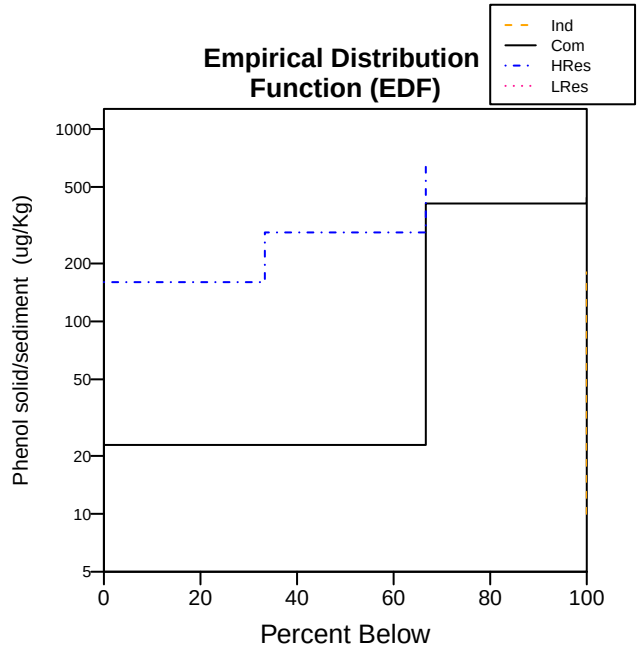

Boxplot by Land Use
max−ND
min−ND
ND Region
Phenanthrene water (ug/L)
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
1e−02
5e−03
Ind
Det=39
ND=8
17%
Com
Det=91
ND=44
32.6%
HRes
Det=48
ND=72
60%
LRes
Det=2
ND=66
97.1%


Boxplot by Season
max−ND
min−ND
ND Region
Phenanthrene water (ug/L)
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
1e−02
5e−03
Winter
Det=57
ND=75
56.8%
Spring
Det=43
ND=39
47.6%
Summer
Det=17
ND=28
62.2%
Fall
Det=63
ND=48
43.2%

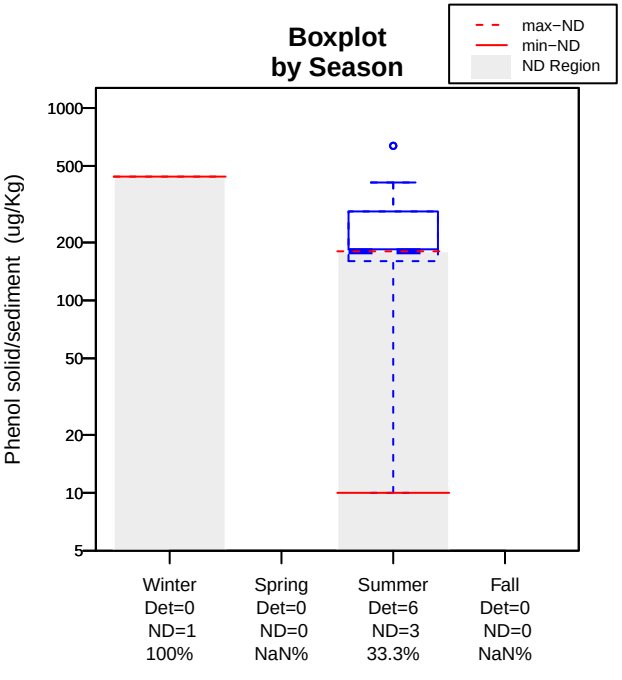


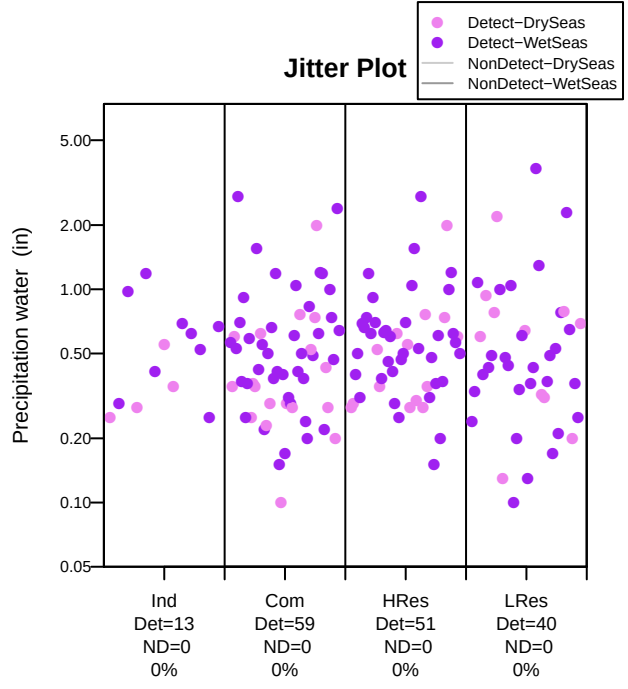


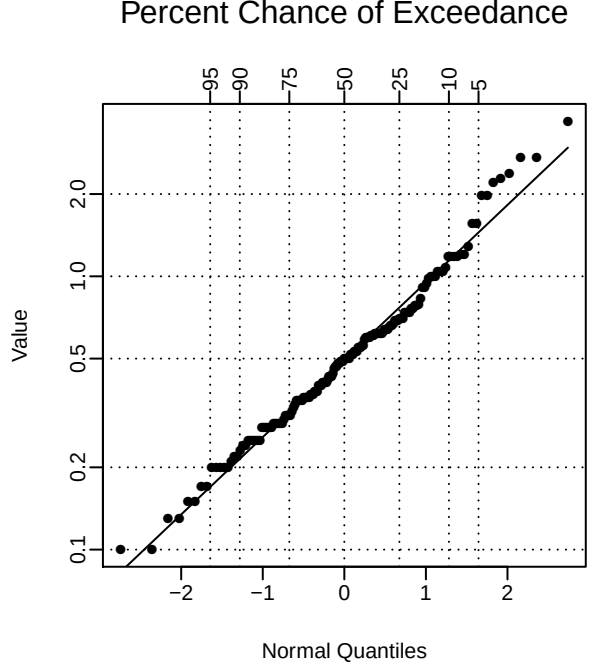




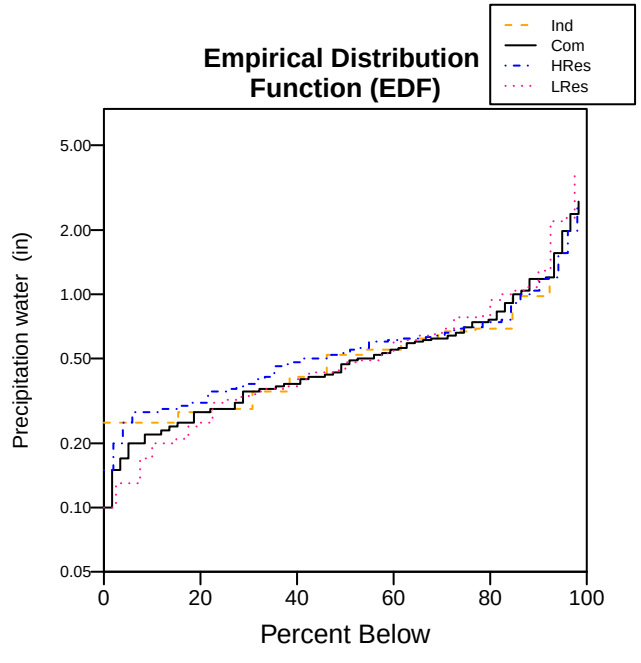
Not Plotted
(No land use has 5 or more detections)

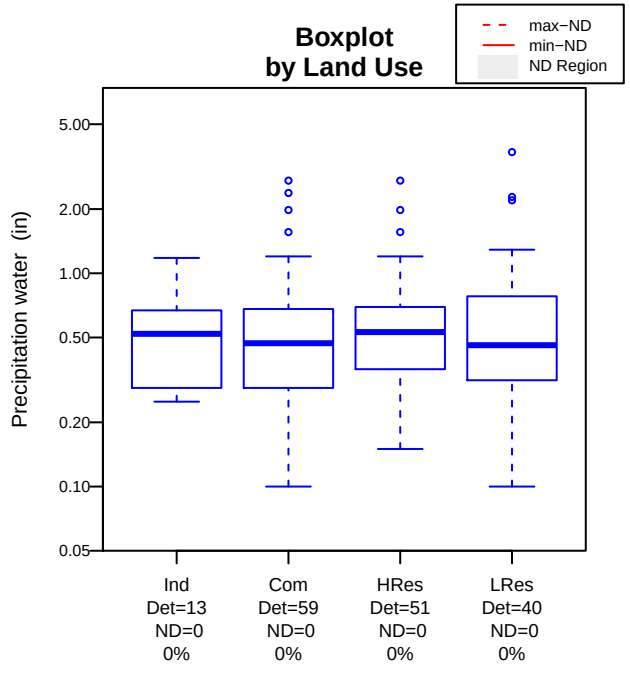


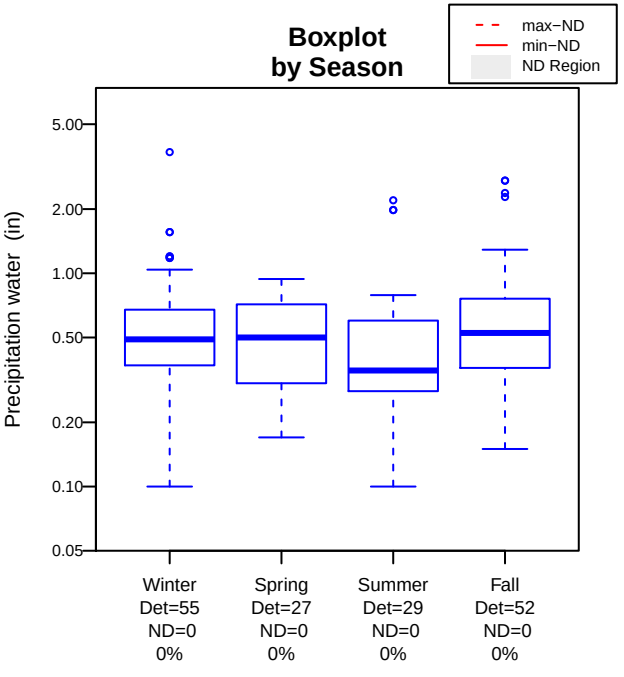


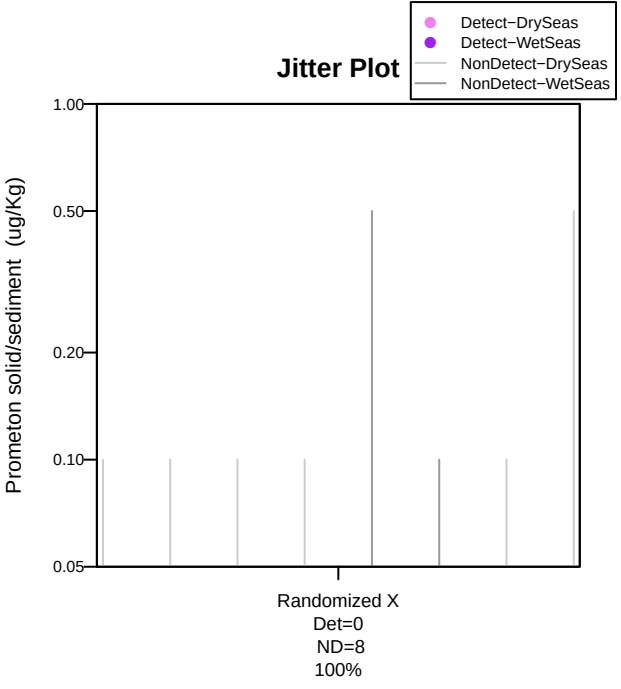


Not Plotted
(No Non−Detects)

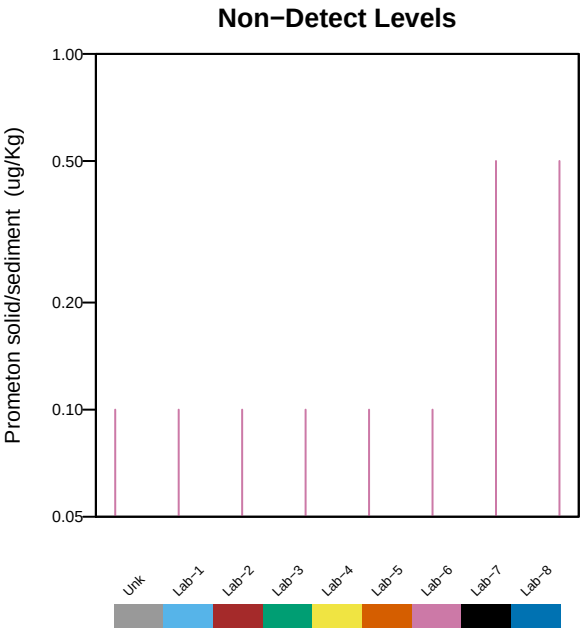








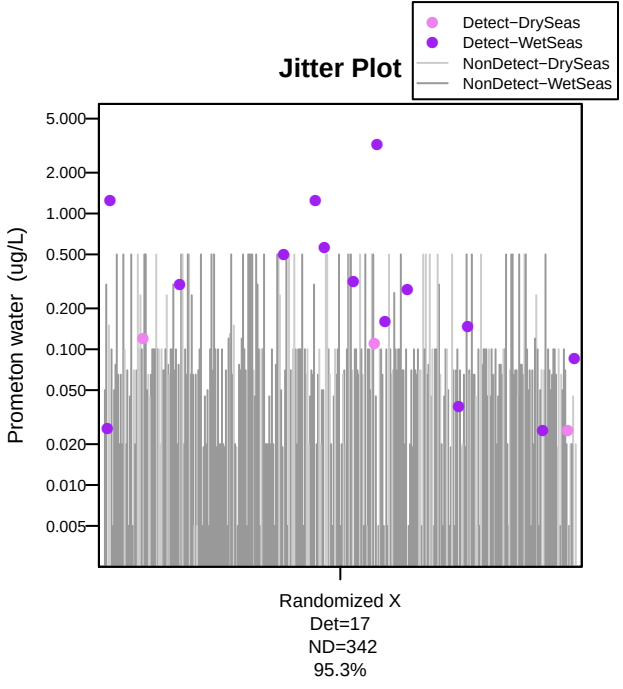
Not Plotted
(Case C)



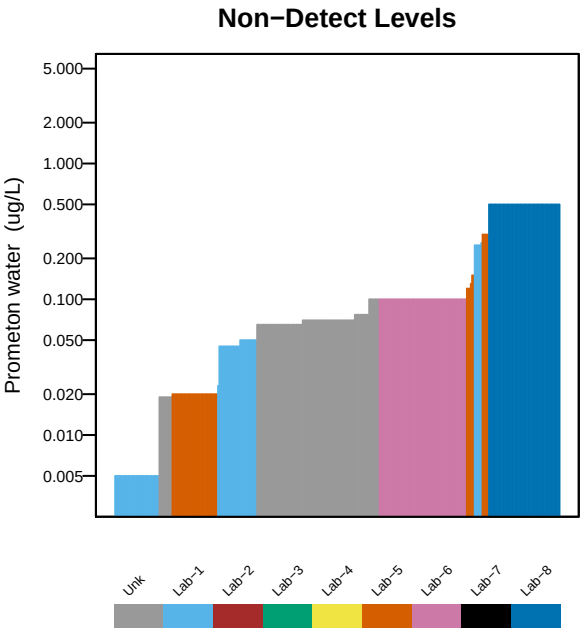
Not Plotted
(Less than 5 detections)

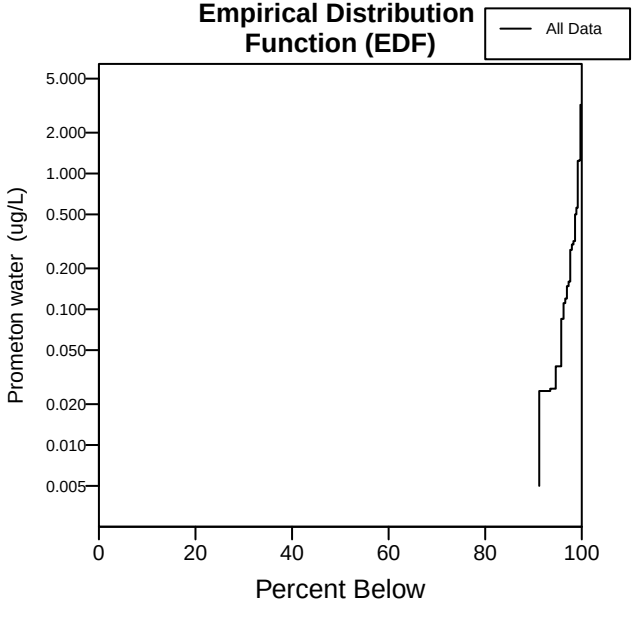
Not Plotted
(Case C)

Not Plotted
(Case C)



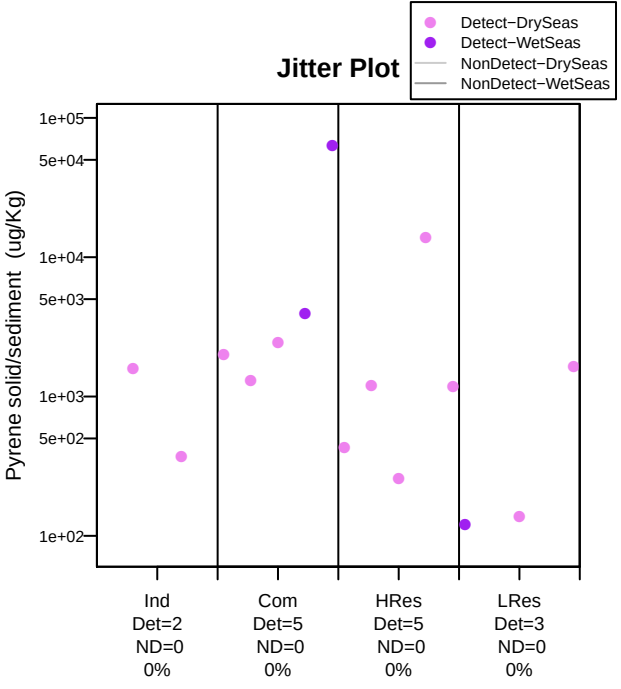
Not Plotted
(Case C)

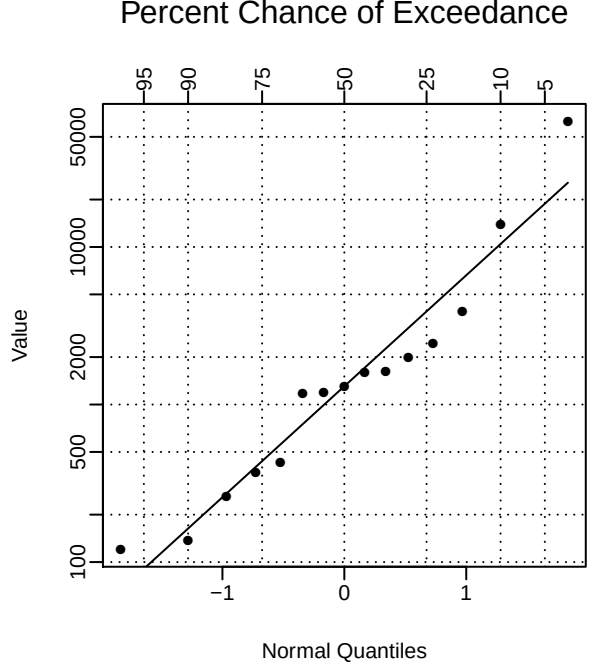




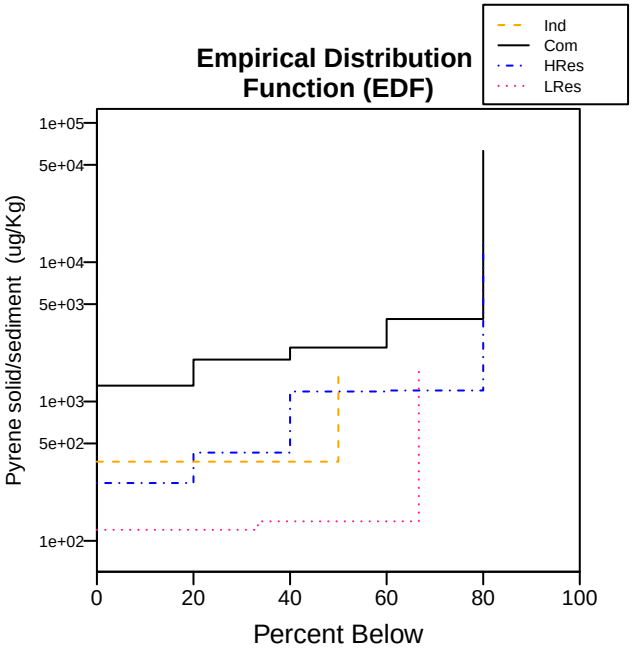
Not Plotted
(Case C)

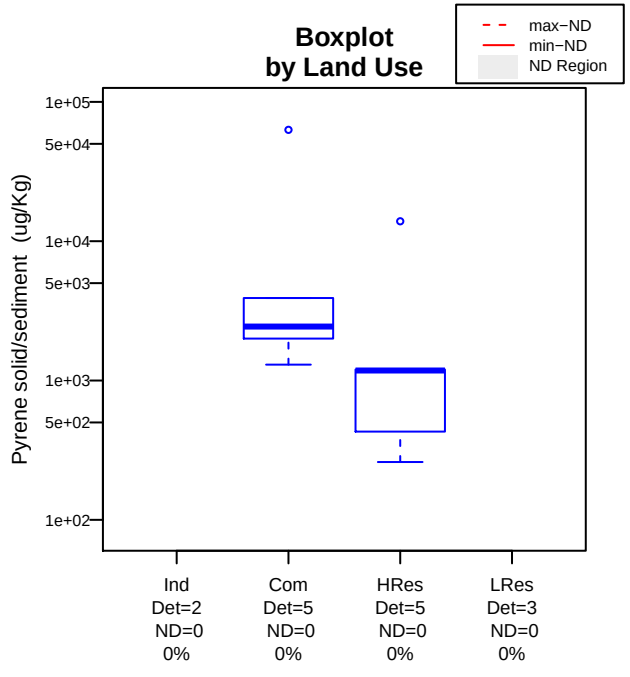
Not Plotted
(Case C)

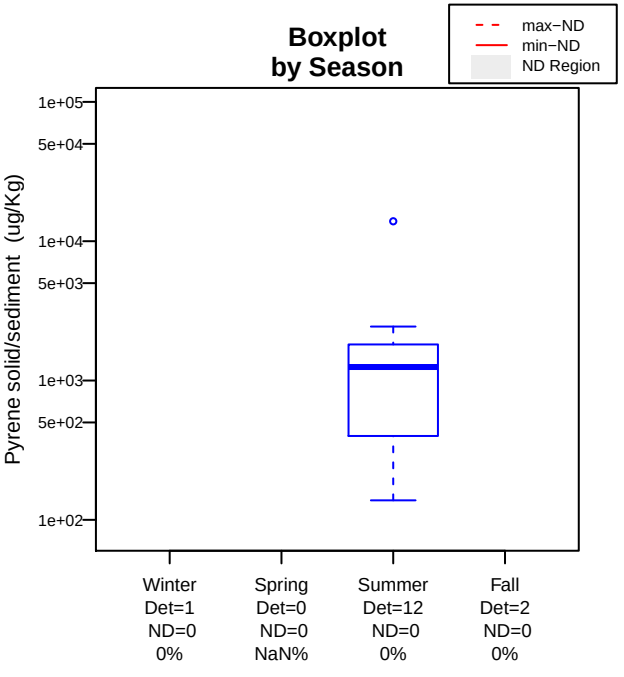


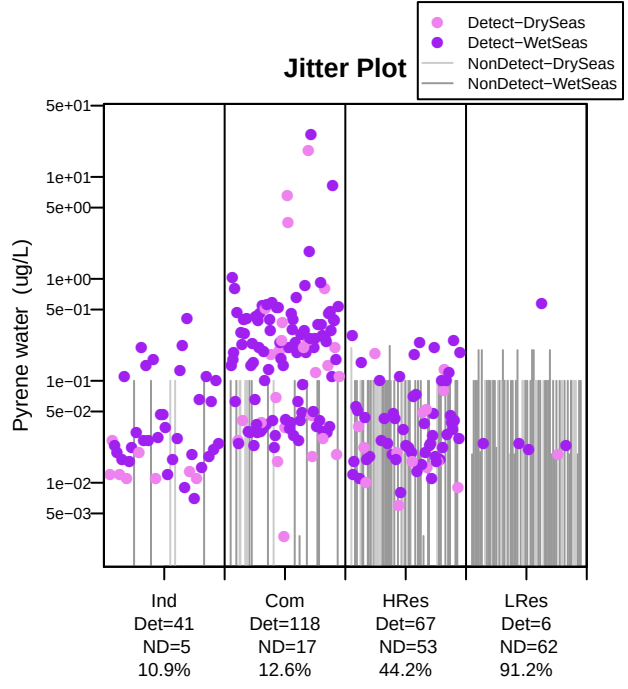


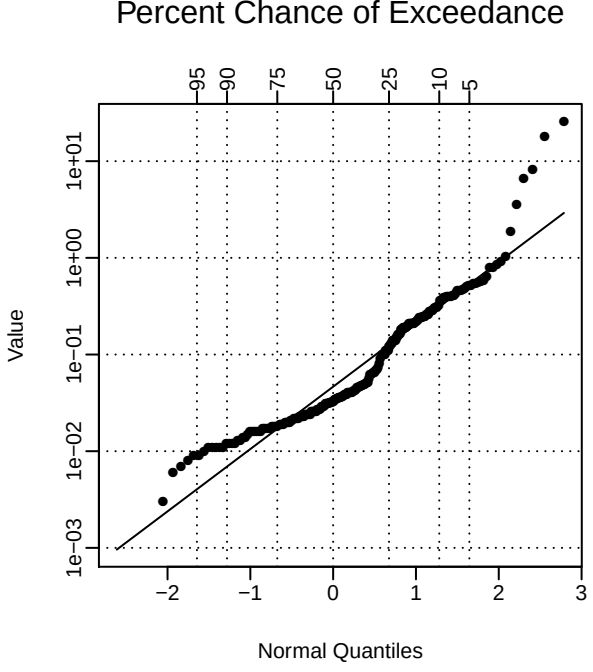
Not Plotted
(No Non−Detects)

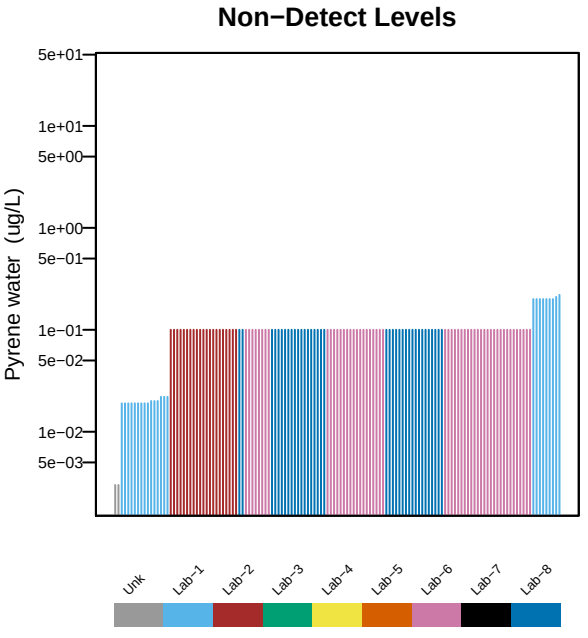


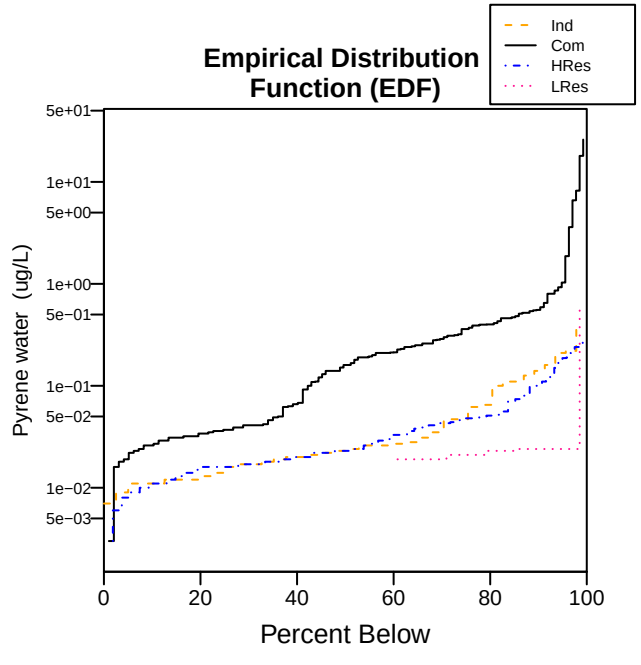


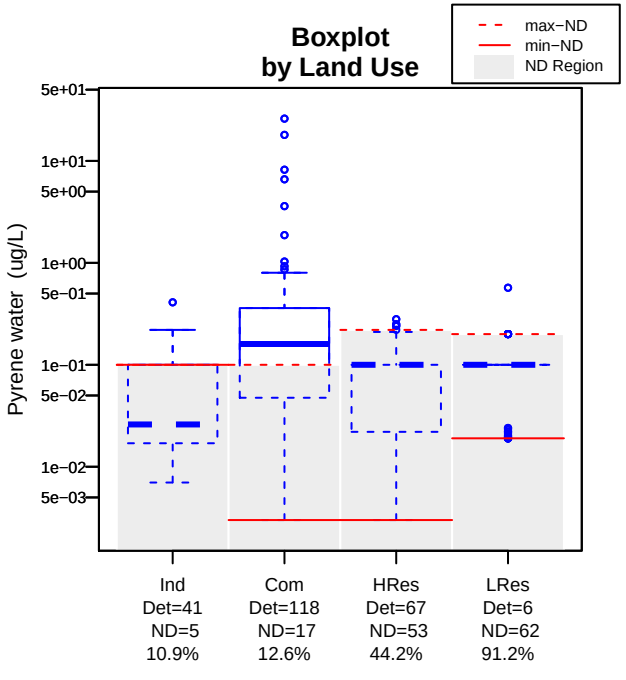


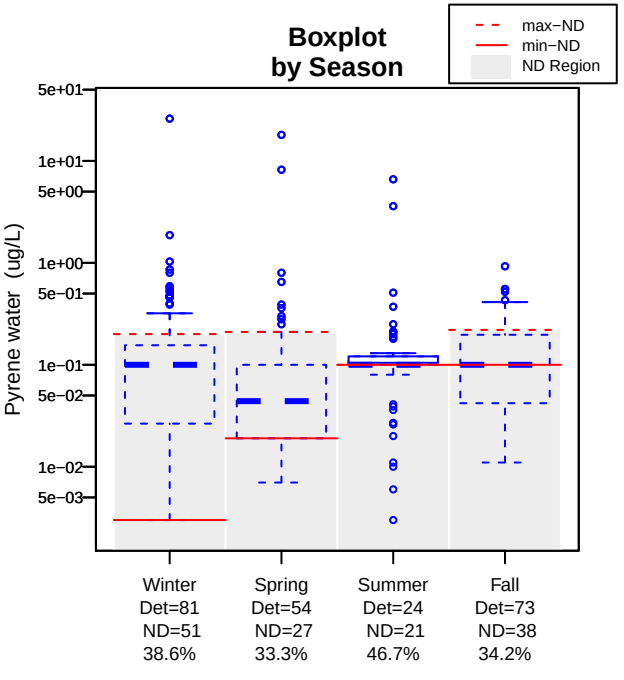

Jitter Plot
Detect−DrySeas
Detect−WetSeas
NonDetect−DrySeas
NonDetect−WetSeas
Pyrene water (ug/L)
5e+01
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
1e−02
5e−03
Ind
Det=41
ND=5
10.9%
Com
Det=118
ND=17
12.6%
HRes
Det=67
ND=53
44.2%
LRes
Det=6
ND=62
91.2%

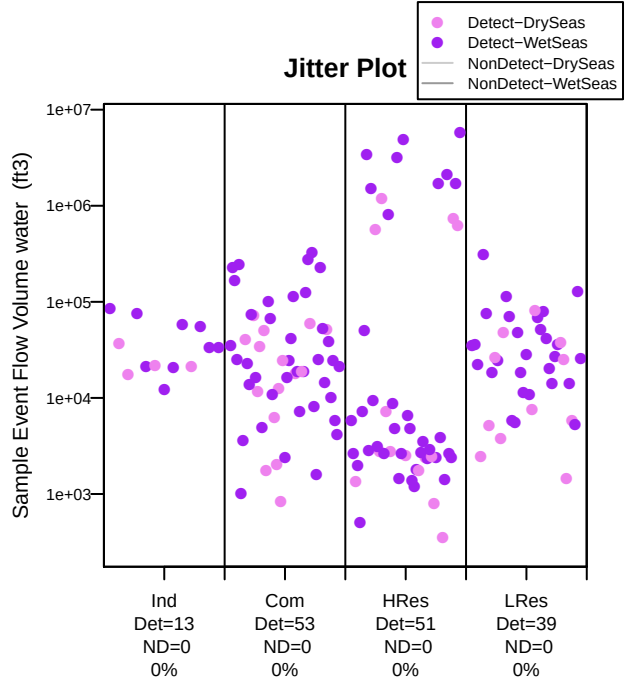

Percent Chance of Exceedance
95
90
75
50
25
10
5
Value
1e+01
1e+00
1e−01
1e−02
1e−03
−2
−1
0
1
2
3
Normal Quantiles

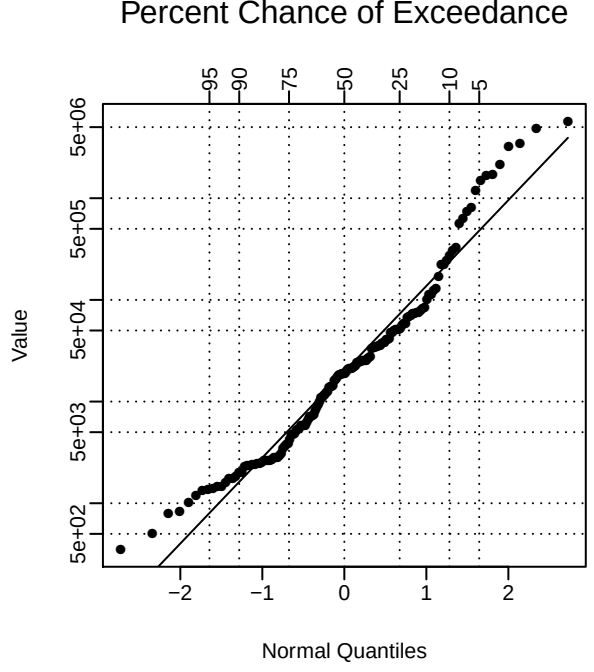

Non−Detect Levels
Pyrene water (ug/L)
5e+01
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
1e−02
5e−03
Unk
Lab−1
Lab−2
Lab−3
Lab−4
Lab−5
Lab−6
Lab−7
Lab−8


Empirical Distribution Function (EDF)
Ind
Com
HRes
LRes
Pyrene water (ug/L)
5e+01
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
1e−02
5e−03
0
20
40
60
80
100
Percent Below

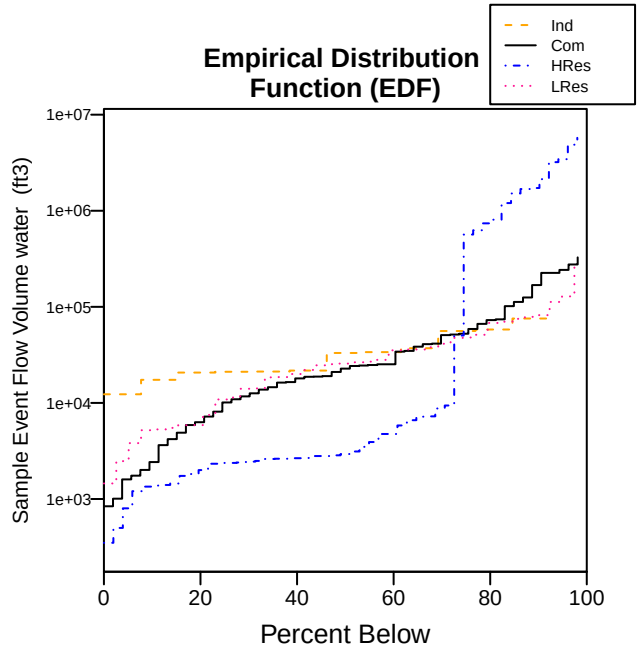

Boxplot by Land Use
max−ND
min−ND
ND Region
Pyrene water (ug/L)
5e+01
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
1e−02
5e−03
Ind
Det=41
ND=5
10.9%
Com
Det=118
ND=17
12.6%
HRes
Det=67
ND=53
44.2%
LRes
Det=6
ND=62
91.2%

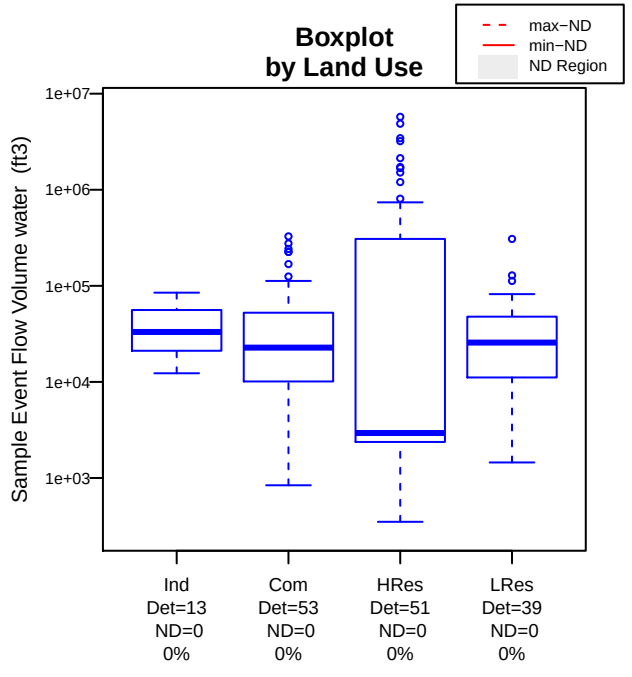

Boxplot by Season
max−ND
min−ND
ND Region
Pyrene water (ug/L)
5e+01
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
1e−02
5e−03
Winter
Det=81
ND=51
38.6%
Spring
Det=54
ND=27
33.3%
Summer
Det=24
ND=21
46.7%
Fall
Det=73
ND=38
34.2%

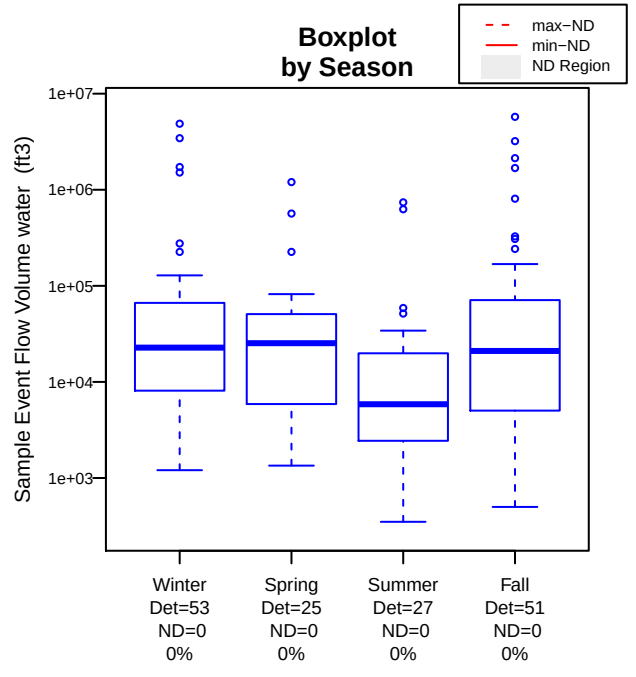


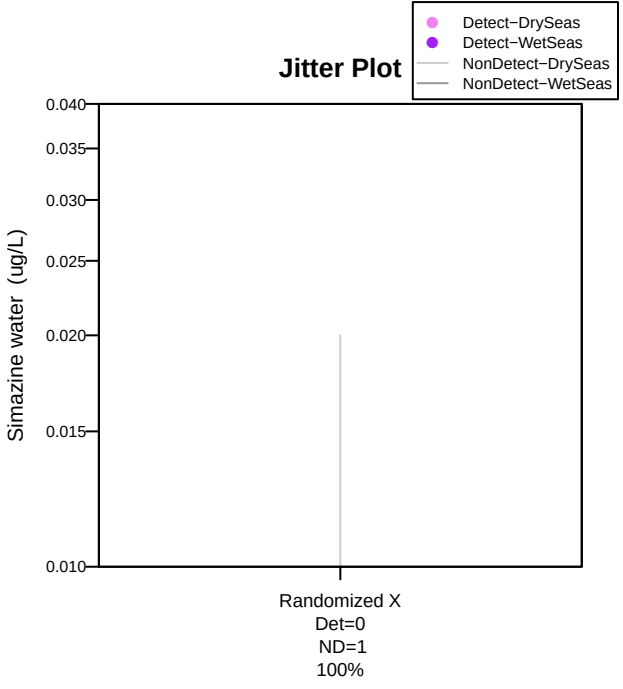


Not Plotted
(No Non−Detects)

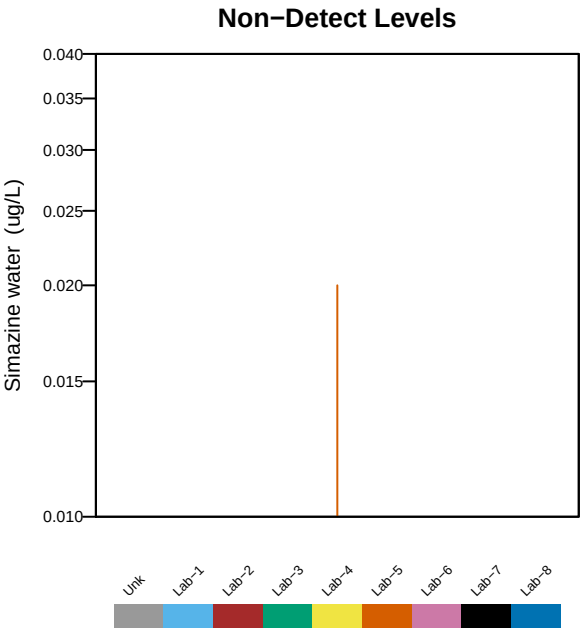








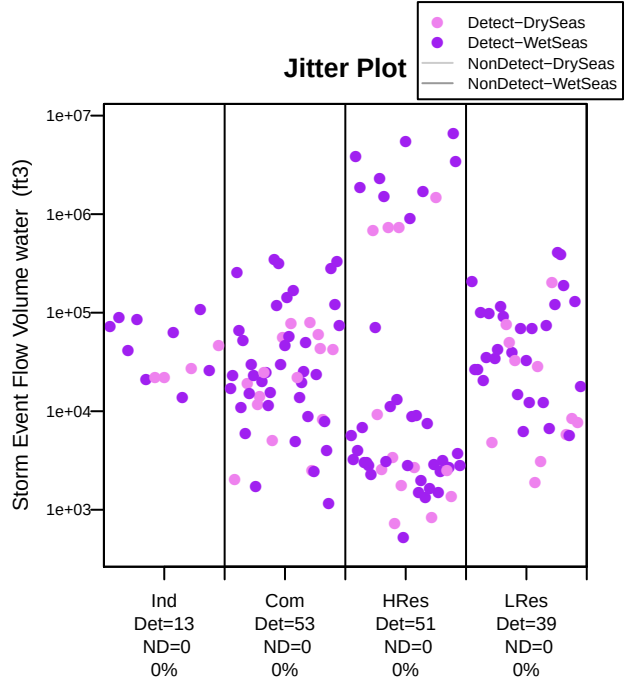
Not Plotted
(Case C)

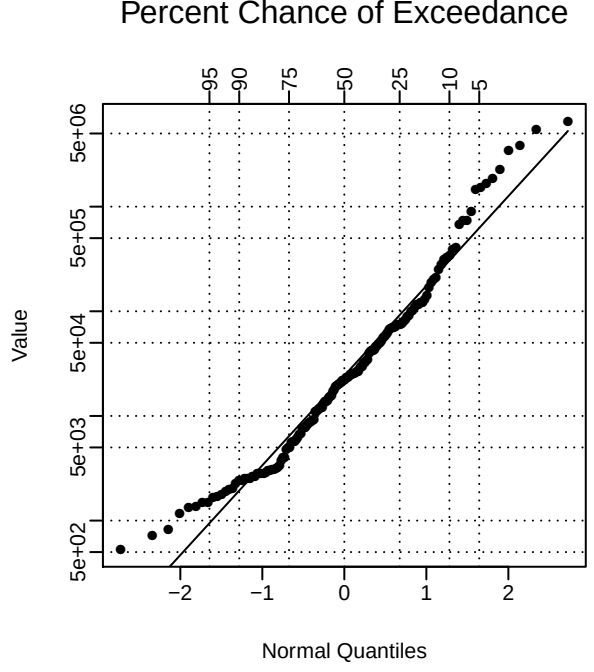


Not Plotted
(Less than 5 detections)

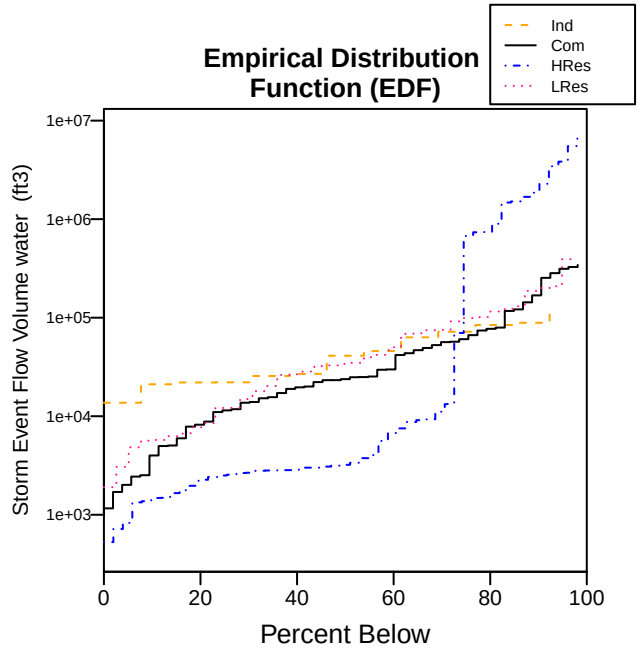
Not Plotted
(Case C)

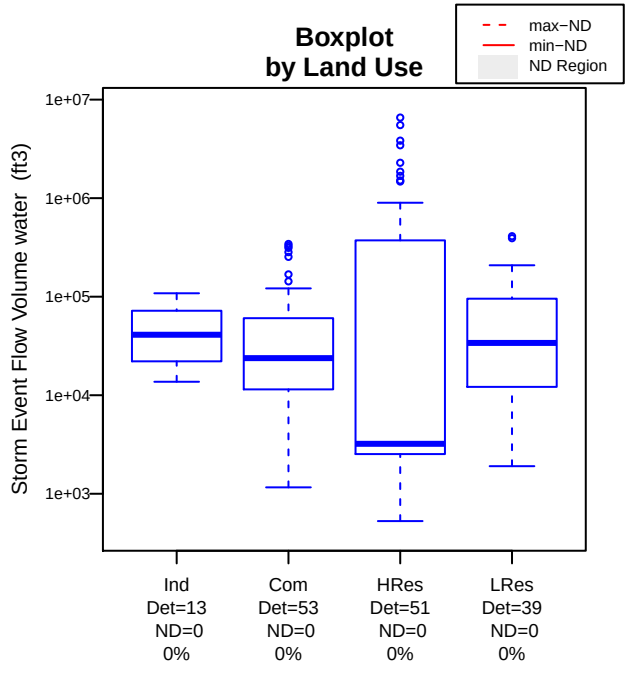
Not Plotted
(Case C)

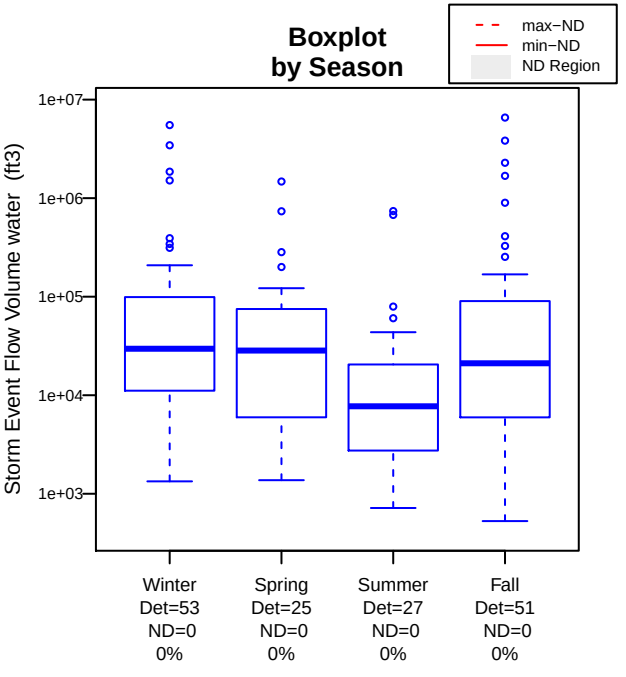


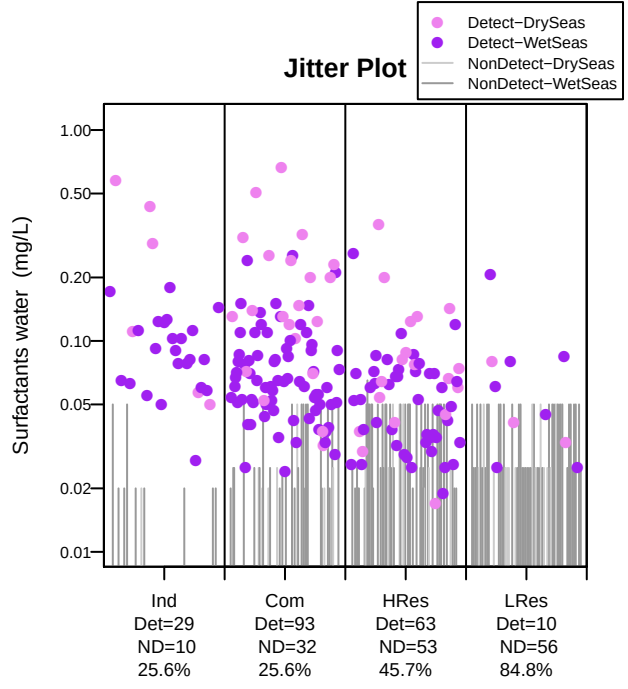


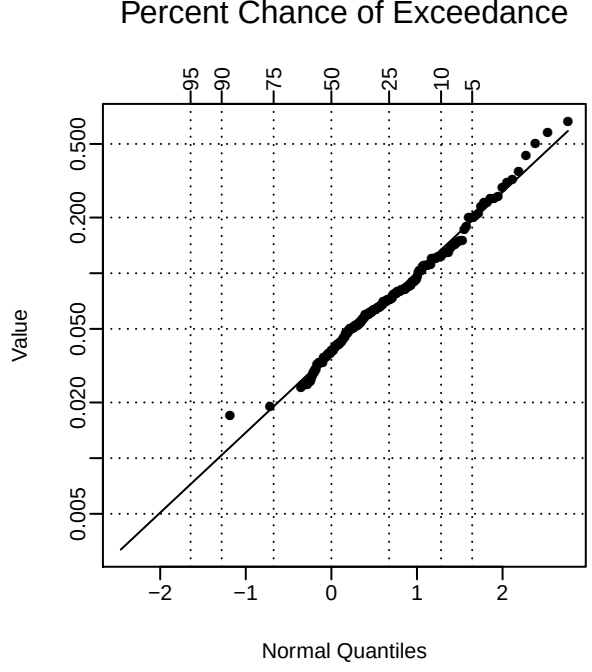
Not Plotted
(No Non−Detects)

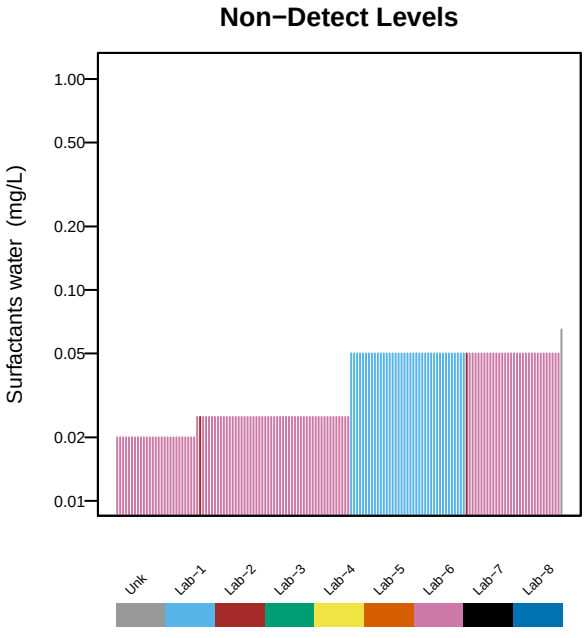


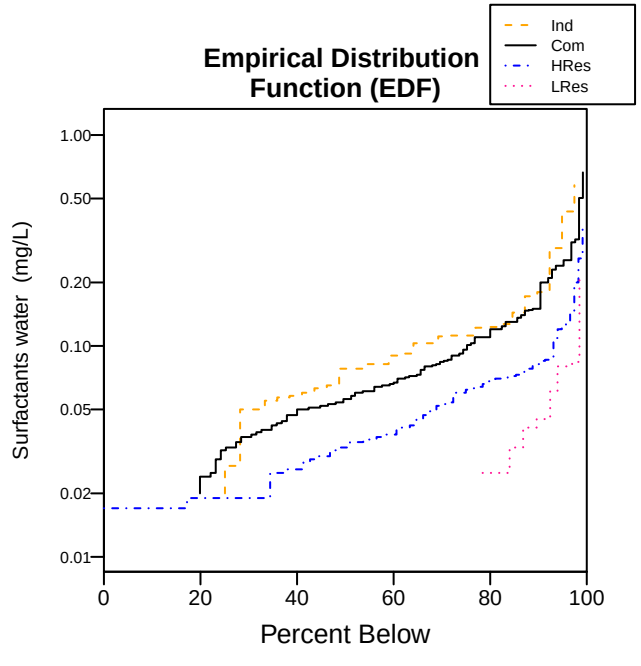


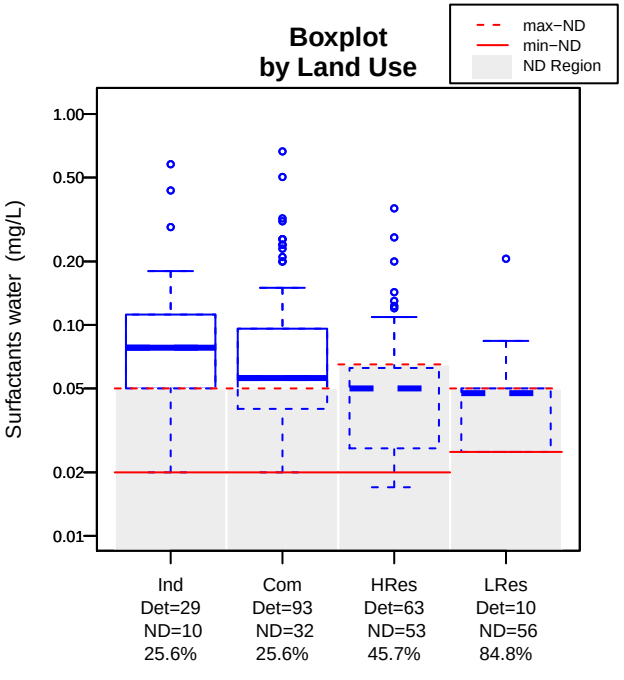


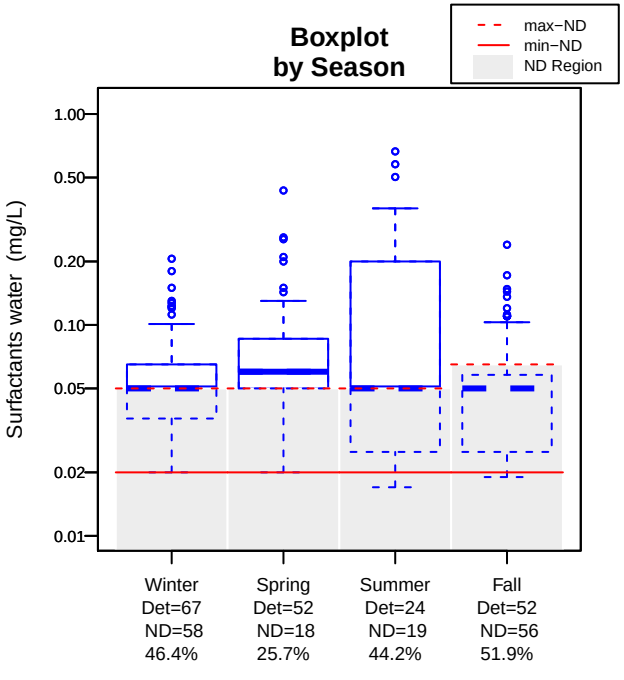

Jitter Plot
Detect−DrySeas
Detect−WetSeas
NonDetect−DrySeas
NonDetect−WetSeas
Surfactants water (mg/L)
1.00
0.50
0.20
0.10
0.05
0.02
0.01
Ind
Det=29
ND=10
25.6%
Com
Det=93
ND=32
25.6%
HRes
Det=63
ND=53
45.7%
LRes
Det=10
ND=56
84.8%

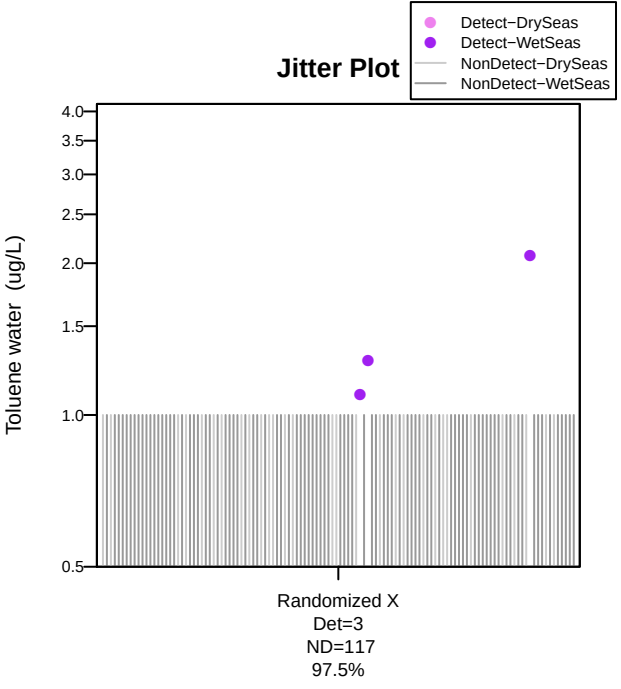

Percent Chance of Exceedance
95
90
75
50
25
10
5
Value
0.500
0.200
0.050
0.020
0.005
−2
−1
0
1
2
Normal Quantiles


Non−Detect Levels
Surfactants water (mg/L)
1.00
0.50
0.20
0.10
0.05
0.02
0.01
Unk
Lab−1
Lab−2
Lab−3
Lab−4
Lab−5
Lab−6
Lab−7
Lab−8

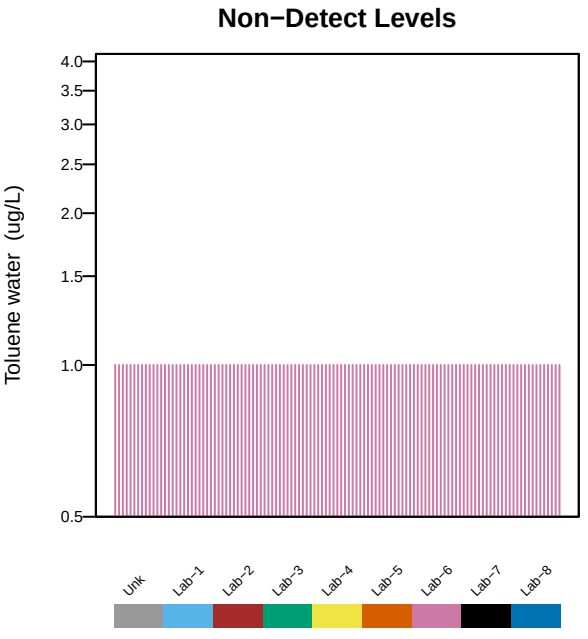

Empirical Distribution Function (EDF)
Ind
Com
HRes
LRes
Surfactants water (mg/L)
1.00
0.50
0.20
0.10
0.05
0.02
0.01
0
20
40
60
80
100
Percent Below


Boxplot by Land Use
max−ND
min−ND
ND Region
Surfactants water (mg/L)
1.00
0.50
0.20
0.10
0.05
0.02
0.01
Ind
Det=29
ND=10
25.6%
Com
Det=93
ND=32
25.6%
HRes
Det=63
ND=53
45.7%
LRes
Det=10
ND=56
84.8%


Boxplot by Season
max−ND
min−ND
ND Region
Surfactants water (mg/L)
1.00
0.50
0.20
0.10
0.05
0.02
0.01
Winter
Det=67
ND=58
46.4%
Spring
Det=52
ND=18
25.7%
Summer
Det=24
ND=19
44.2%
Fall
Det=52
ND=56
51.9%



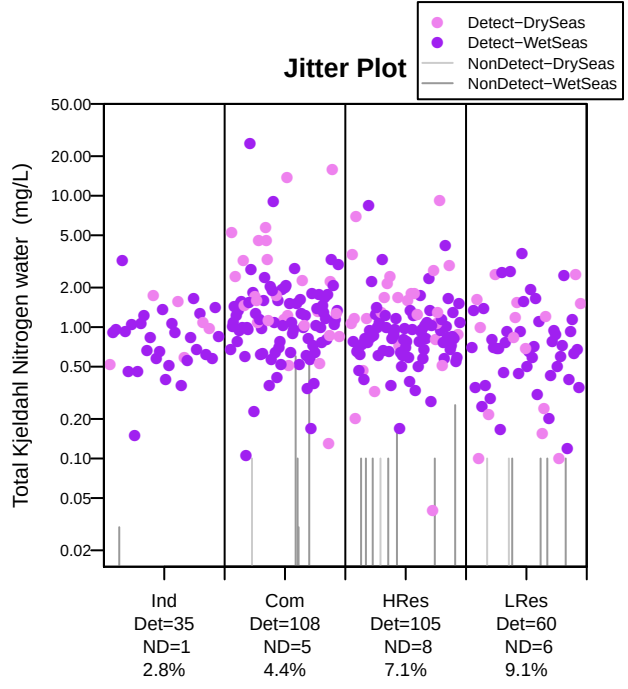
Not Plotted
(Case C)

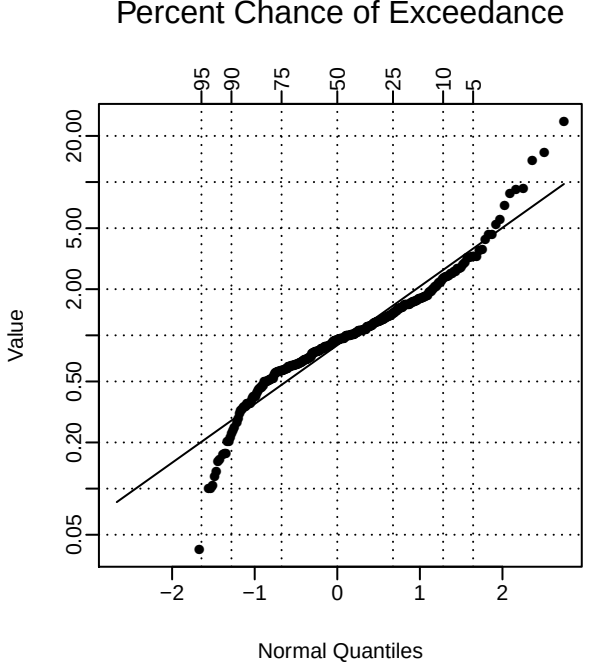


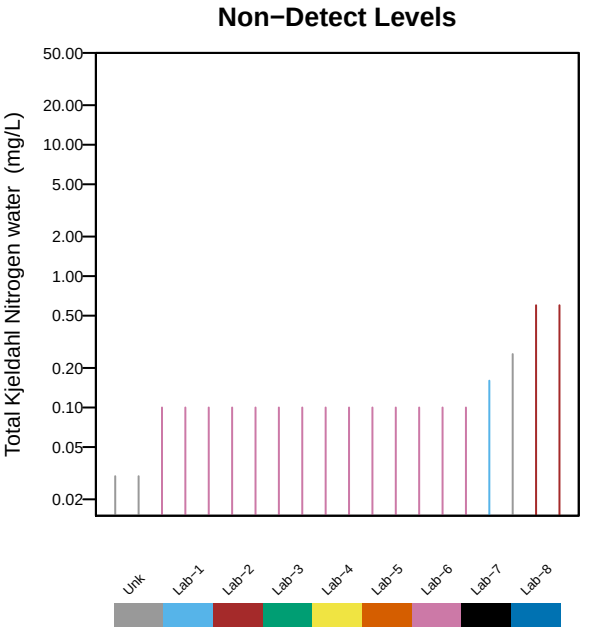
Not Plotted
(Less than 5 detections)

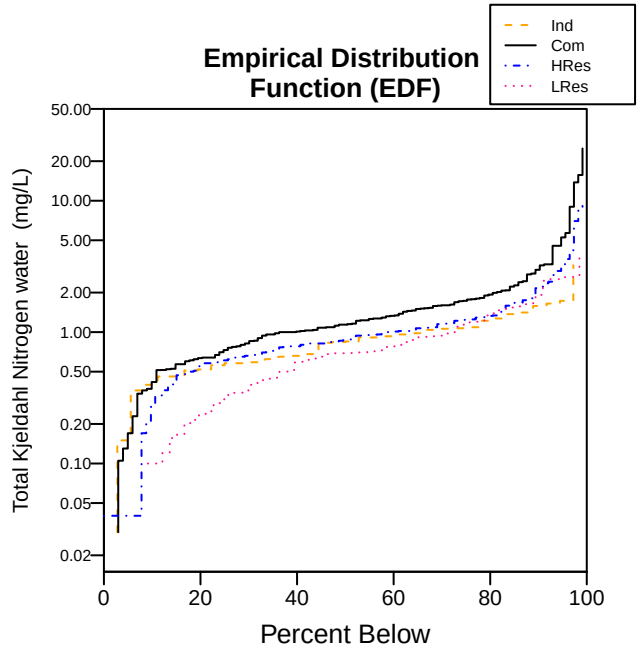
Not Plotted
(Case C)

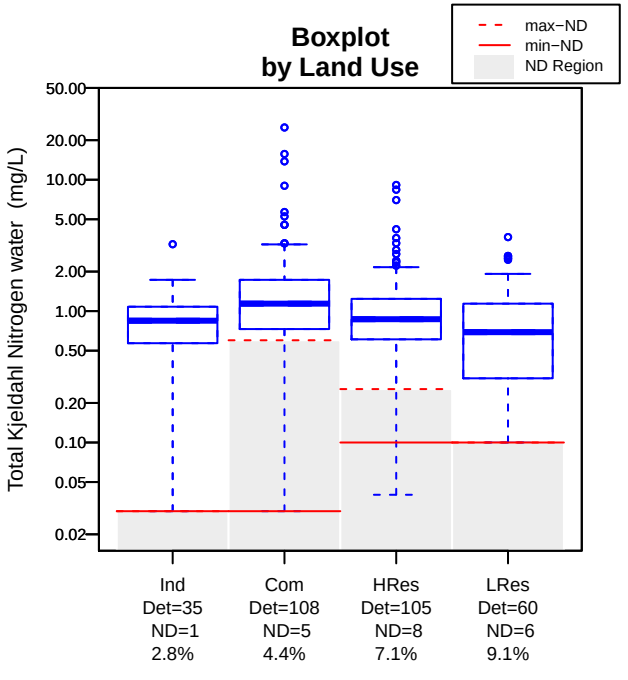
Not Plotted
(Case C)

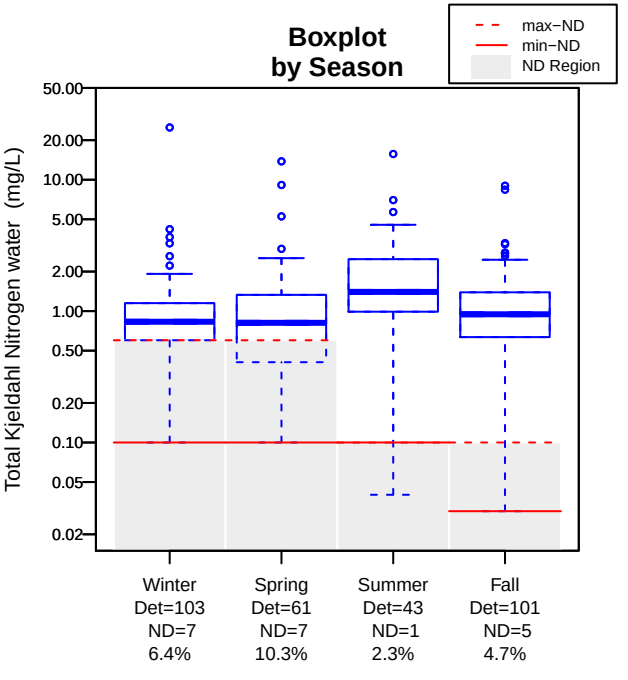

Jitter Plot
Detect−DrySeas
Detect−WetSeas
NonDetect−DrySeas
NonDetect−WetSeas
Total Kjeldahl Nitrogen water (mg/L)
50.00
20.00
10.00
5.00
2.00
1.00
0.50
0.20
0.10
0.05
0.02
Ind
Det=35
ND=1
2.8%
Com
Det=108
ND=5
4.4%
HRes
Det=105
ND=8
7.1%
LRes
Det=60
ND=6
9.1%

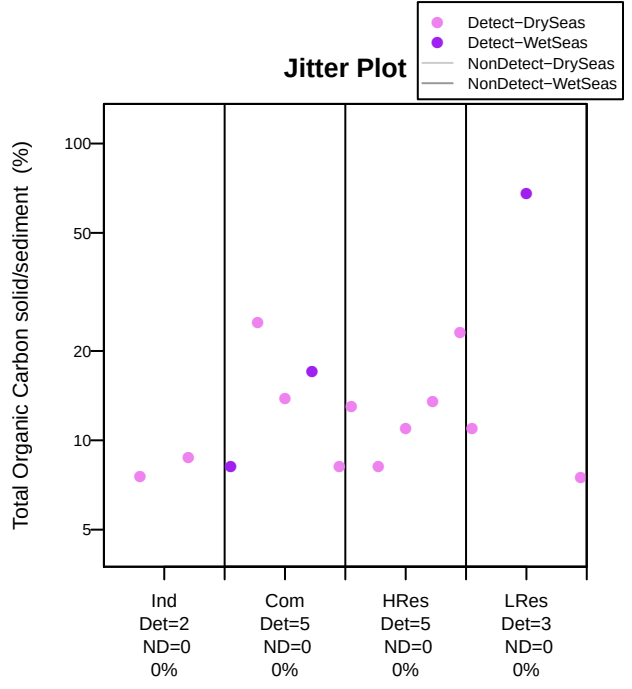

Percent Chance of Exceedance
95
90
75
50
25
10
5
Value
20.00
5.00
2.00
0.50
0.20
0.05
−2
−1
0
1
2
Normal Quantiles

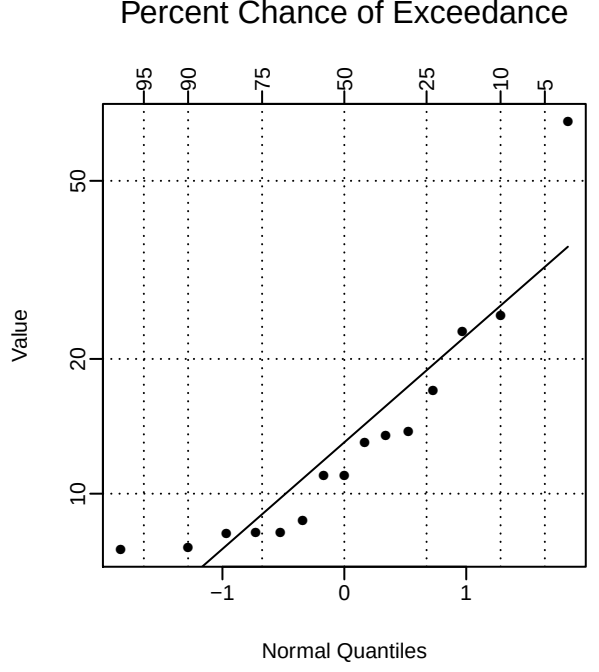

Non−Detect Levels
Total Kjeldahl Nitrogen water (mg/L)
50.00
20.00
10.00
5.00
2.00
1.00
0.50
0.20
0.10
0.05
0.02
Unk
Lab−1
Lab−2
Lab−3
Lab−4
Lab−5
Lab−6
Lab−7
Lab−8


Empirical Distribution Function (EDF)
Ind
Com
HRes
LRes
Total Kjeldahl Nitrogen water (mg/L)
50.00
20.00
10.00
5.00
2.00
1.00
0.50
0.20
0.10
0.05
0.02
0
20
40
60
80
100
Percent Below

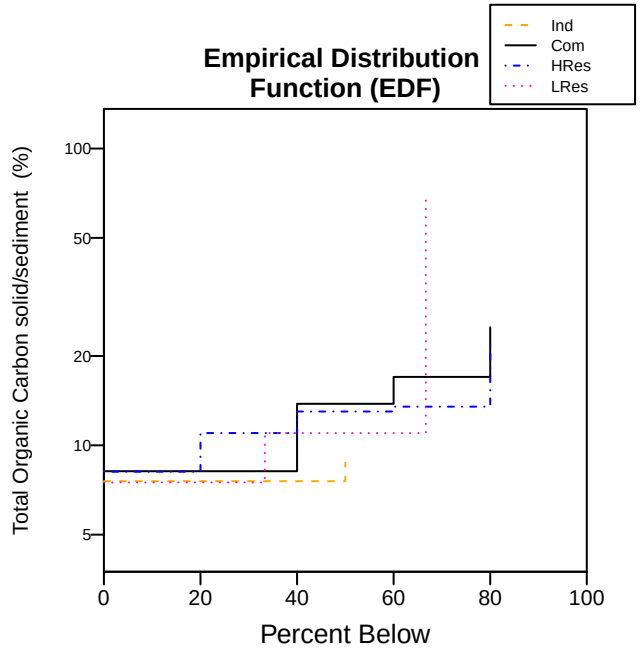

Boxplot by Land Use
max−ND
min−ND
ND Region
Total Kjeldahl Nitrogen water (mg/L)
50.00
20.00
10.00
5.00
2.00
1.00
0.50
0.20
0.10
0.05
0.02
Ind
Det=35
ND=1
2.8%
Com
Det=108
ND=5
4.4%
HRes
Det=105
ND=8
7.1%
LRes
Det=60
ND=6
9.1%

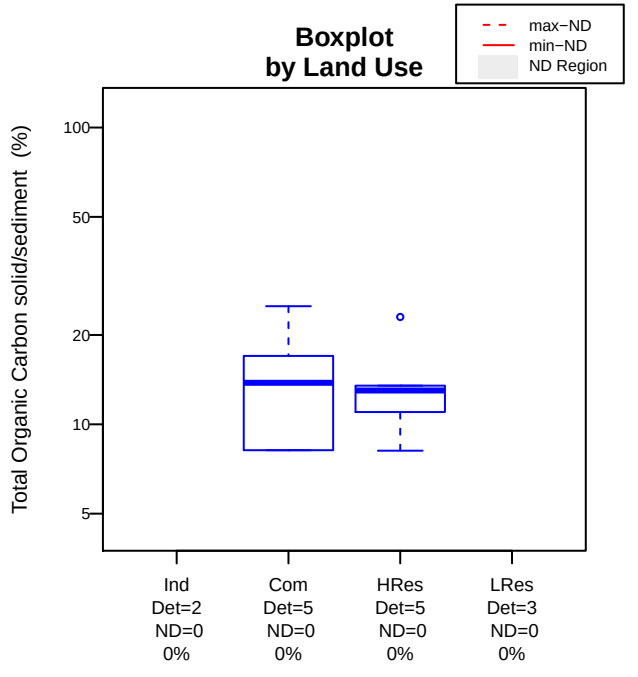

Boxplot by Season
max−ND
min−ND
ND Region
Total Kjeldahl Nitrogen water (mg/L)
50.00
20.00
10.00
5.00
2.00
1.00
0.50
0.20
0.10
0.05
0.02
Winter
Det=103
ND=7
6.4%
Spring
Det=61
ND=7
10.3%
Summer
Det=43
ND=1
2.3%
Fall
Det=101
ND=5
4.7%

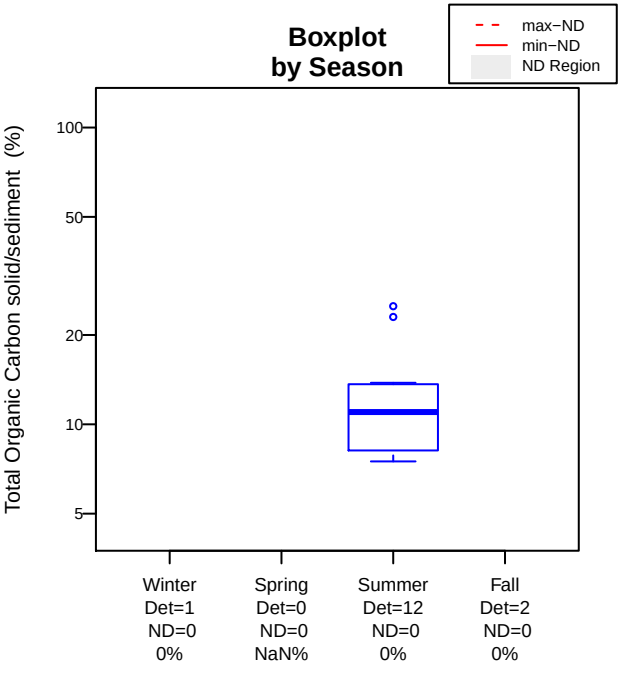


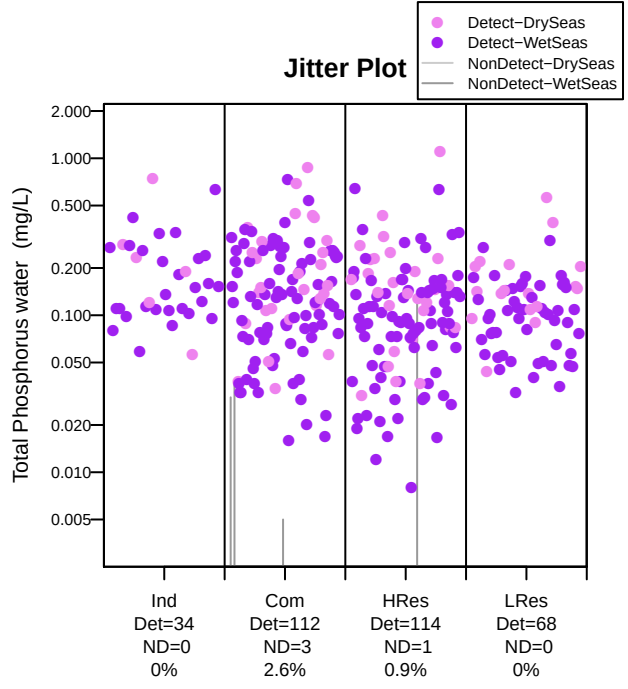


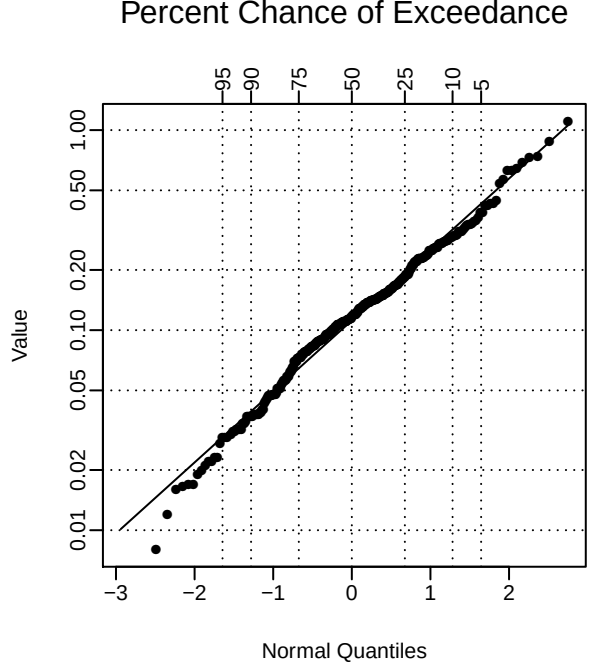
Not Plotted
(No Non−Detects)

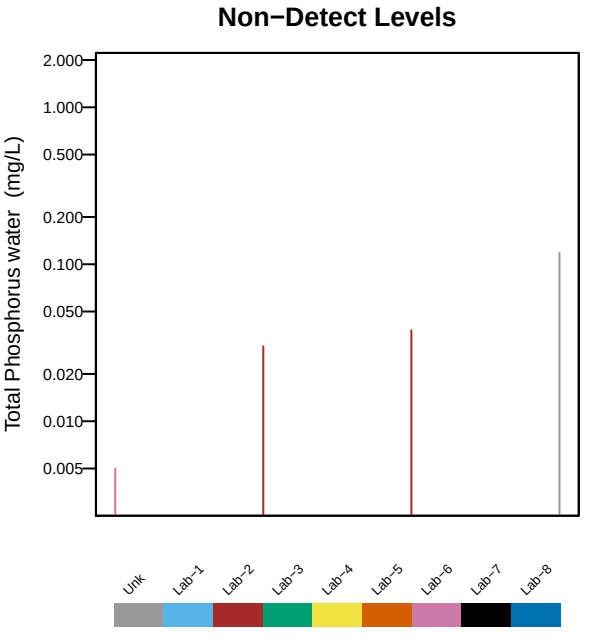


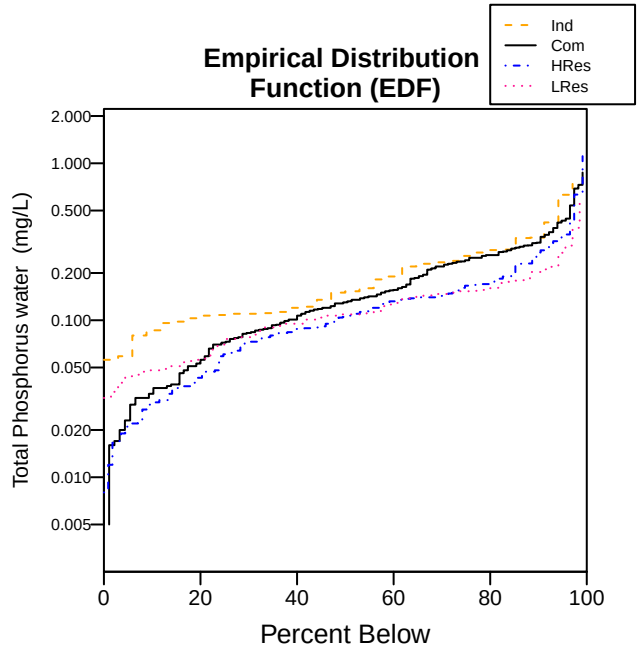


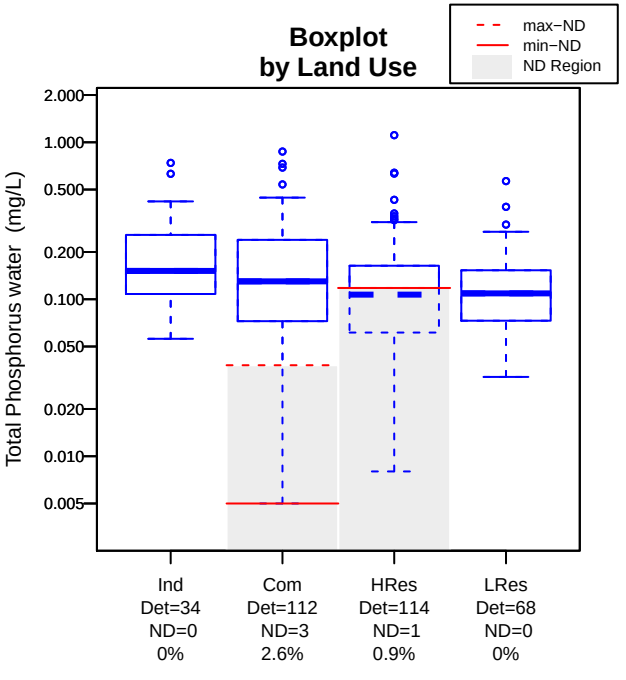


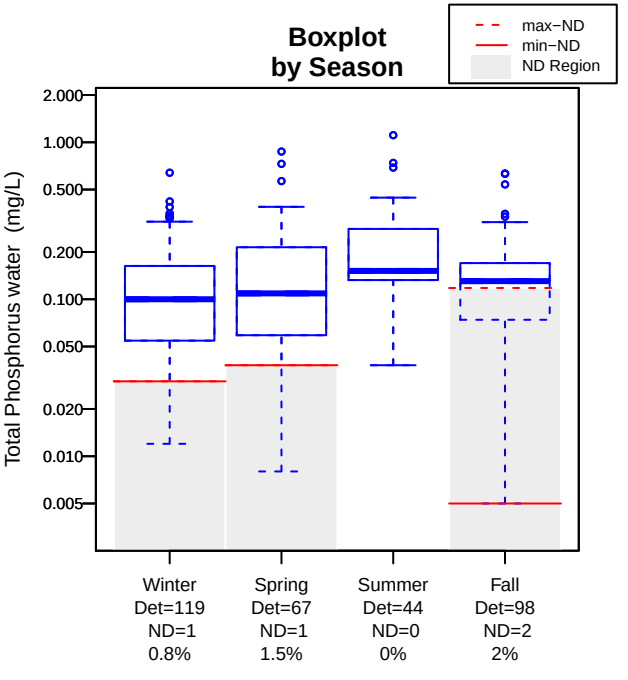

Jitter Plot
Detect−DrySeas
Detect−WetSeas
NonDetect−DrySeas
NonDetect−WetSeas
Total Phosphorus water (mg/L)
2.000
1.000
0.500
0.200
0.100
0.050
0.020
0.010
0.005
Ind
Det=34
ND=0
0%
Com
Det=112
ND=3
2.6%
HRes
Det=114
ND=1
0.9%
LRes
Det=68
ND=0
0%

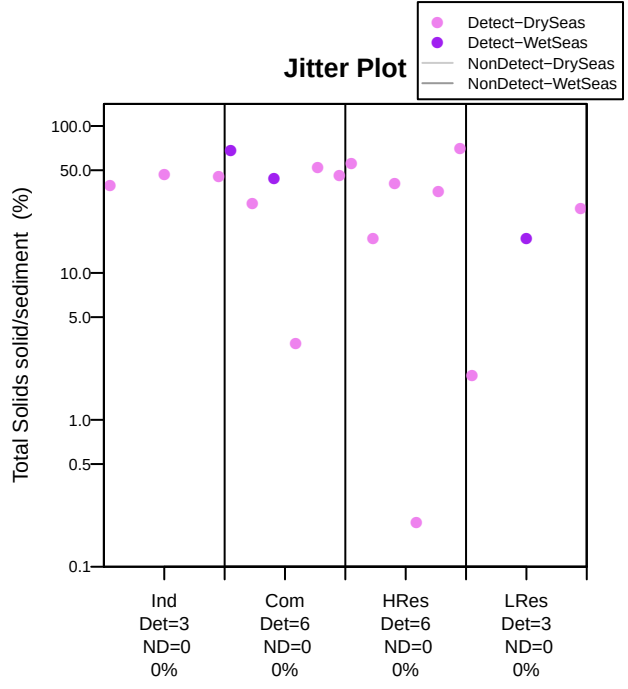

Percent Chance of Exceedance
95
90
75
50
25
10
5
Value
1.00
0.50
0.20
0.10
0.05
0.02
0.01
−3
−2
−1
0
1
2
Normal Quantiles

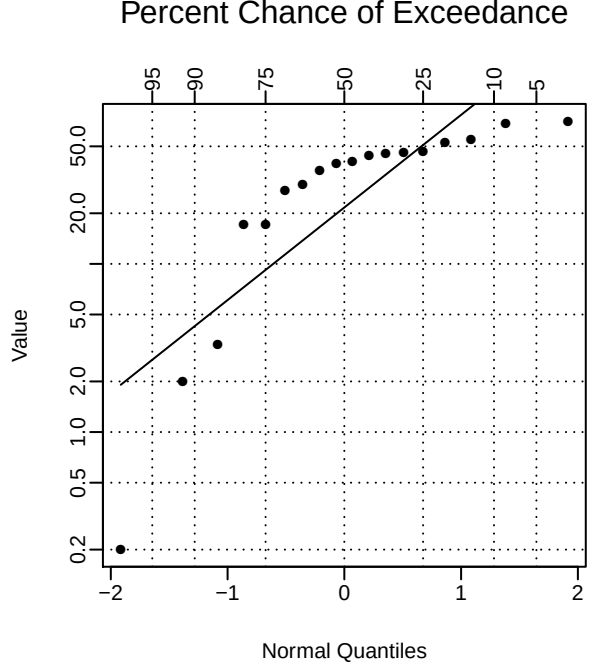

Non−Detect Levels
Total Phosphorus water (mg/L)
2.000
1.000
0.500
0.200
0.100
0.050
0.020
0.010
0.005
Unk
Lab−1
Lab−2
Lab−3
Lab−4
Lab−5
Lab−6
Lab−7
Lab−8


Empirical Distribution Function (EDF)
Ind
Com
HRes
LRes
Total Phosphorus water (mg/L)
2.000
1.000
0.500
0.200
0.100
0.050
0.020
0.010
0.005
0
20
40
60
80
100
Percent Below

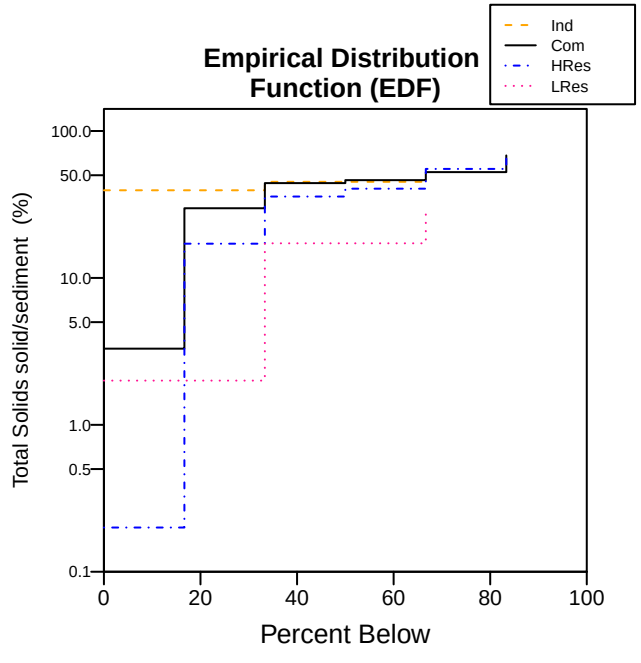

Boxplot by Land Use
max−ND
min−ND
ND Region
Total Phosphorus water (mg/L)
2.000
1.000
0.500
0.200
0.100
0.050
0.020
0.010
0.005
Ind
Det=34
ND=0
0%
Com
Det=112
ND=3
2.6%
HRes
Det=114
ND=1
0.9%
LRes
Det=68
ND=0
0%

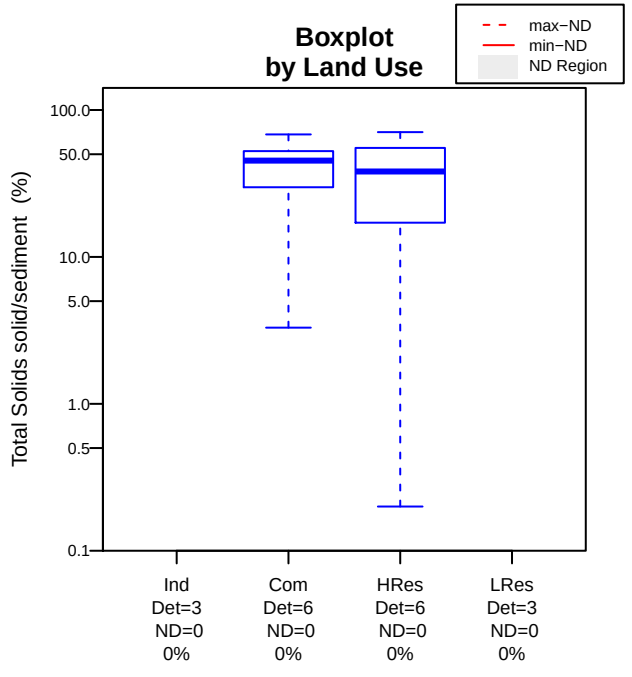

Boxplot by Season
max−ND
min−ND
ND Region
Total Phosphorus water (mg/L)
2.000
1.000
0.500
0.200
0.100
0.050
0.020
0.010
0.005
Winter
Det=119
ND=1
0.8%
Spring
Det=67
ND=1
1.5%
Summer
Det=44
ND=0
0%
Fall
Det=98
ND=2
2%

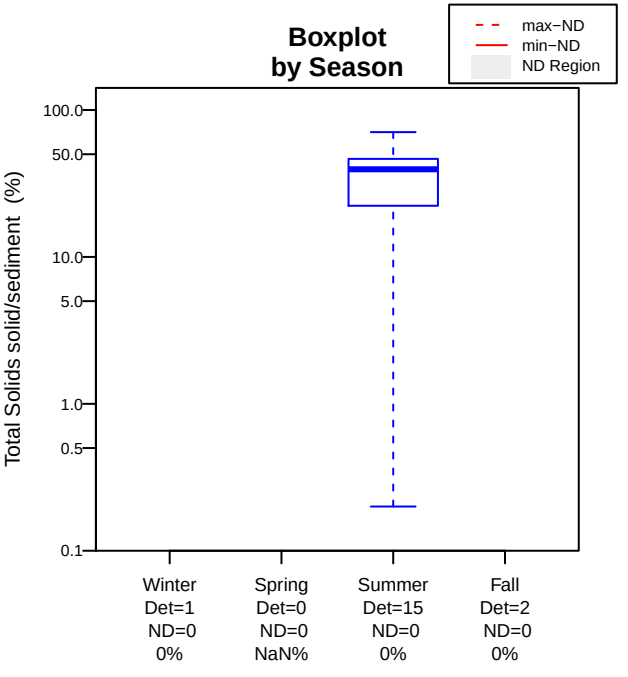


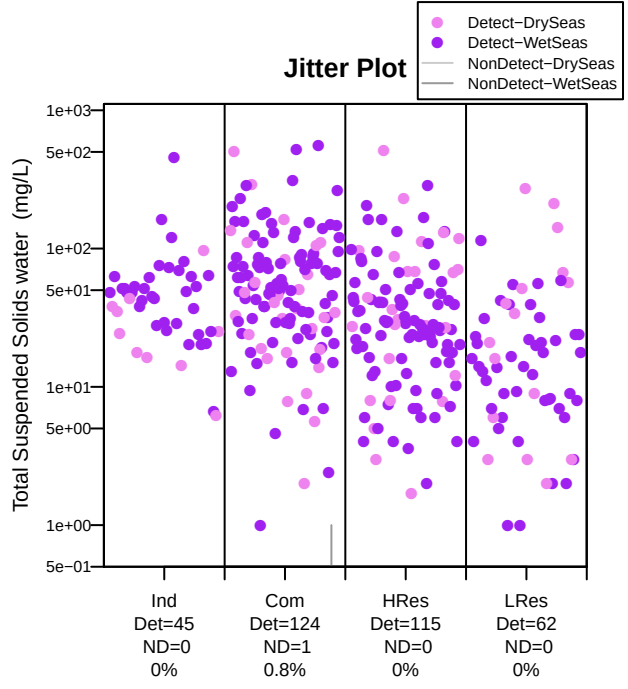


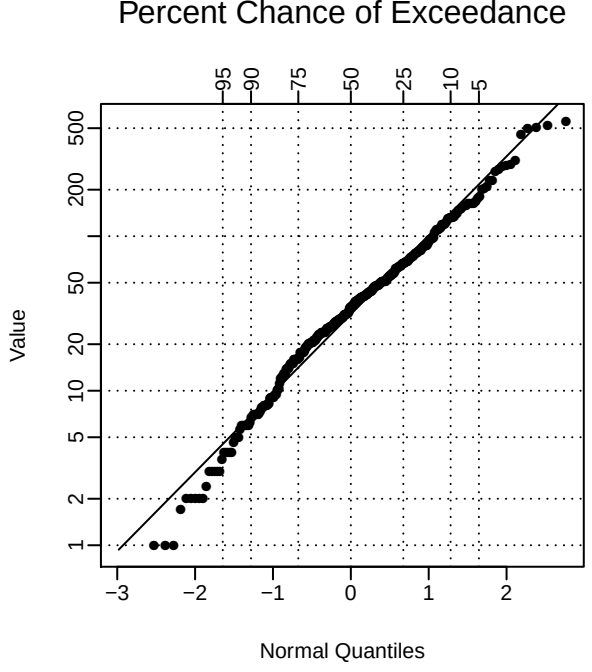
Not Plotted
(No Non−Detects)

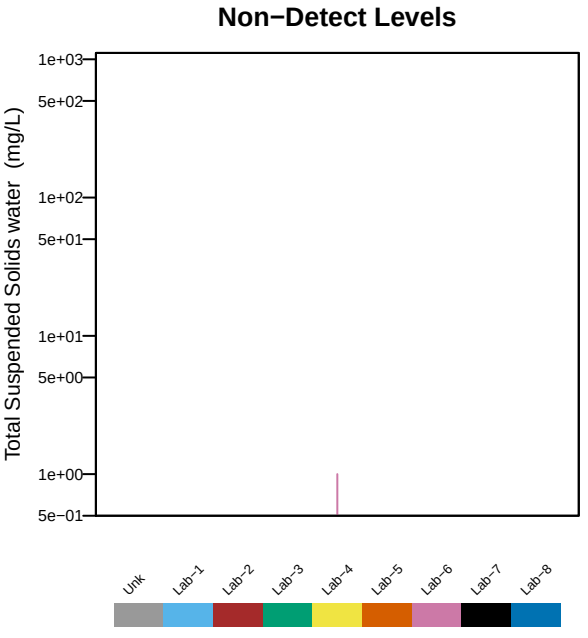


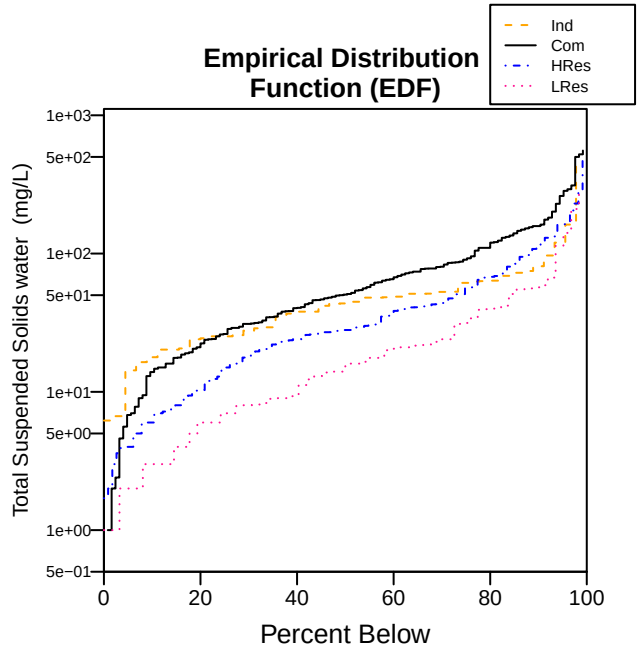


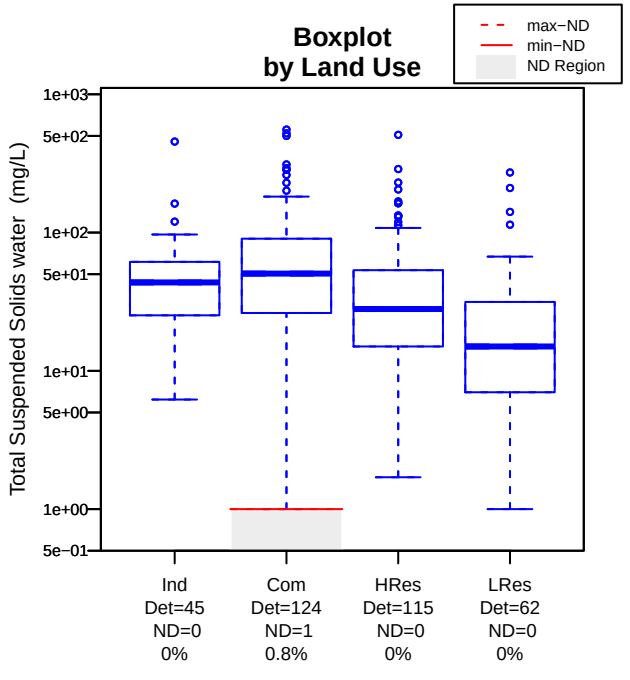


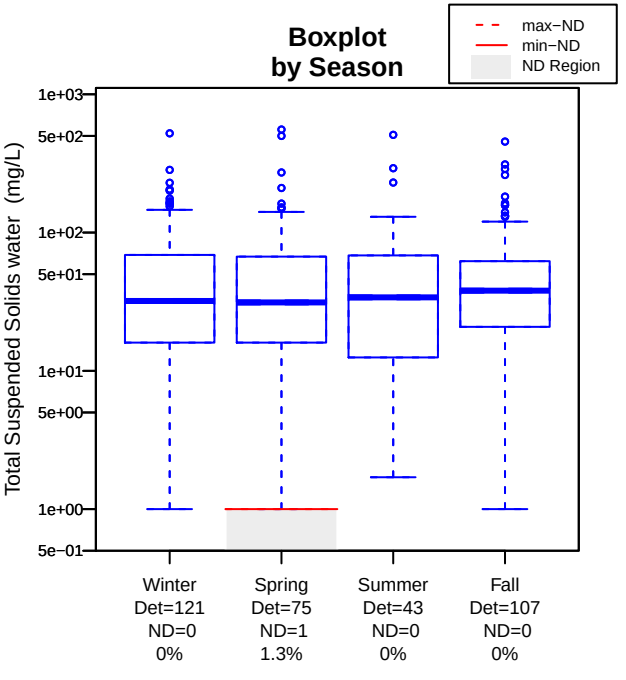

Jitter Plot
Detect−DrySeas
Detect−WetSeas
NonDetect−DrySeas
NonDetect−WetSeas
Total Suspended Solids water (mg/L)
1e+03
5e+02
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
Ind
Det=45
ND=0
0%
Com
Det=124
ND=1
0.8%
HRes
Det=115
ND=0
0%
LRes
Det=62
ND=0
0%

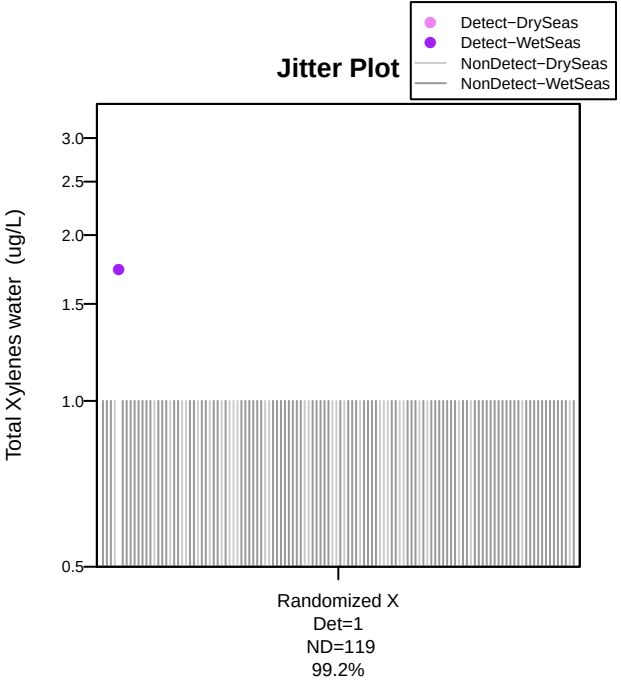

Percent Chance of Exceedance
95
90
75
50
25
10
5
Value
500
200
50
20
10
5
2
1
−3
−2
−1
0
1
2
Normal Quantiles


Non−Detect Levels
Total Suspended Solids water (mg/L)
1e+03
5e+02
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
Unk
Lab−1
Lab−2
Lab−3
Lab−4
Lab−5
Lab−6
Lab−7
Lab−8

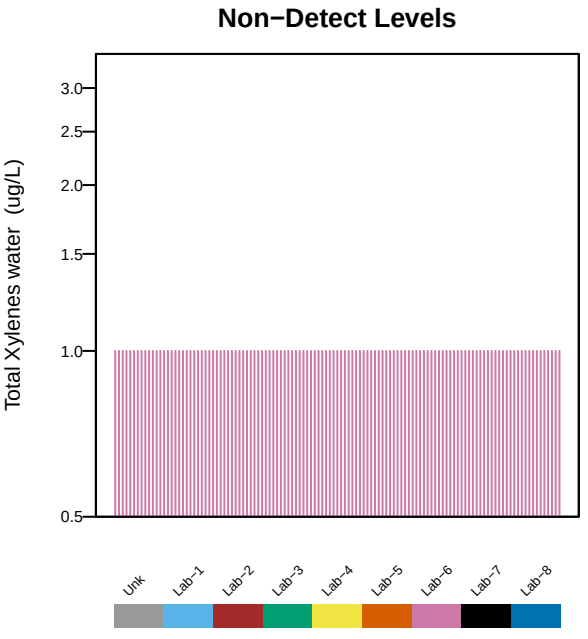

Empirical Distribution Function (EDF)
Ind
Com
HRes
LRes
Total Suspended Solids water (mg/L)
1e+03
5e+02
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
0
20
40
60
80
100
Percent Below


Boxplot by Land Use
max−ND
min−ND
ND Region
Total Suspended Solids water (mg/L)
1e+03
5e+02
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
Ind
Det=45
ND=0
0%
Com
Det=124
ND=1
0.8%
HRes
Det=115
ND=0
0%
LRes
Det=62
ND=0
0%


Boxplot by Season
max−ND
min−ND
ND Region
Total Suspended Solids water (mg/L)
1e+03
5e+02
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
Winter
Det=121
ND=0
0%
Spring
Det=75
ND=1
1.3%
Summer
Det=43
ND=0
0%
Fall
Det=107
ND=0
0%



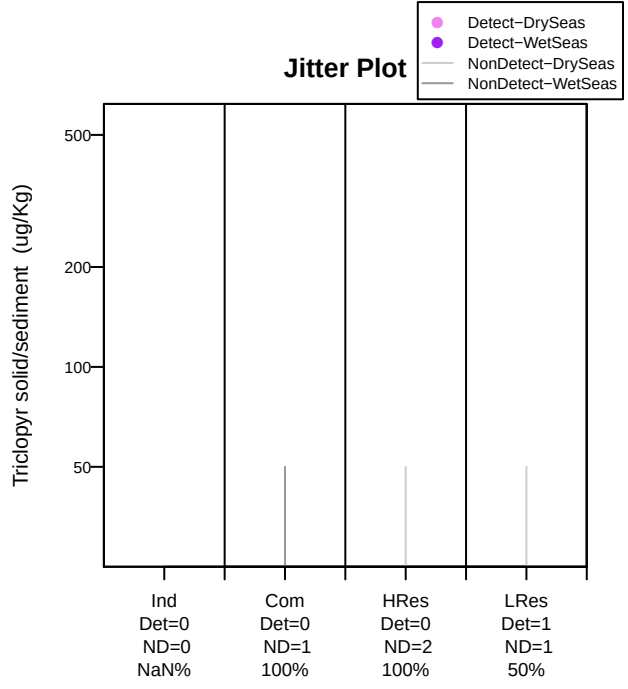
Not Plotted
(Case C)



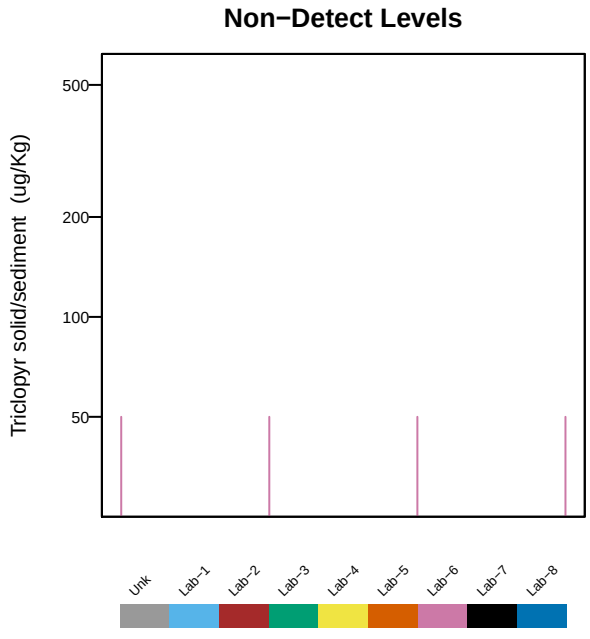
Not Plotted
(Less than 5 detections)

Not Plotted
(Case C)

Not Plotted
(Case C)



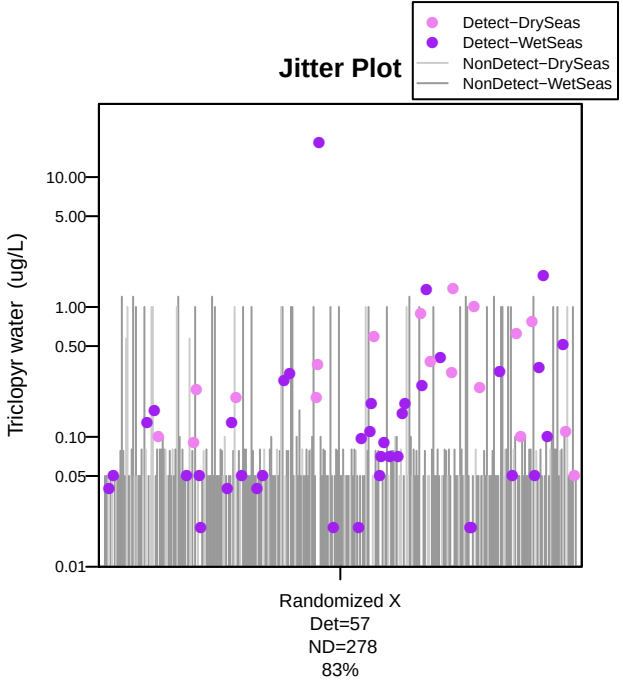
Not Plotted
(Less than 5 detections)



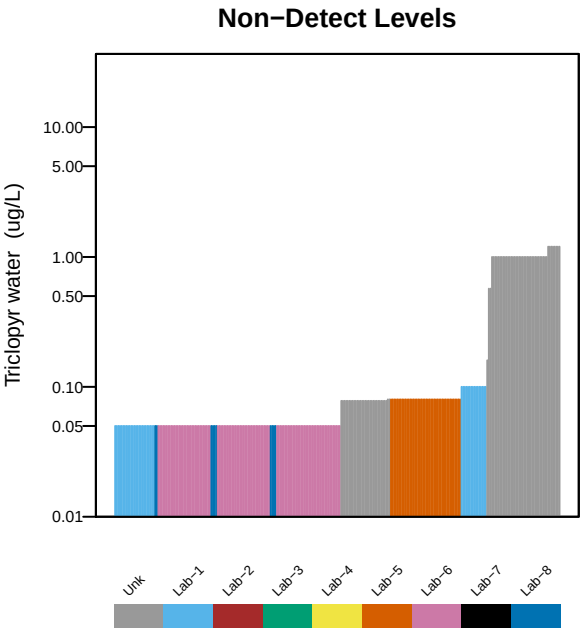
Not Plotted
(Less than 5 detections)

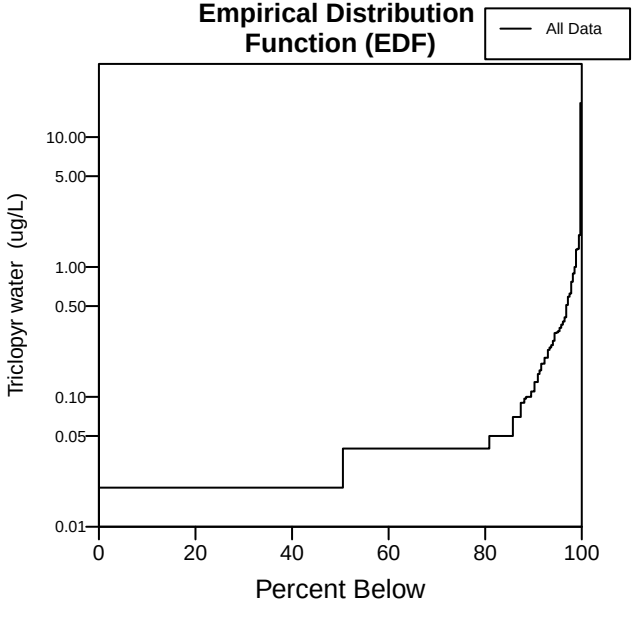
Not Plotted
(Less than 5 detections)

Not Plotted
(Less than 5 detections)



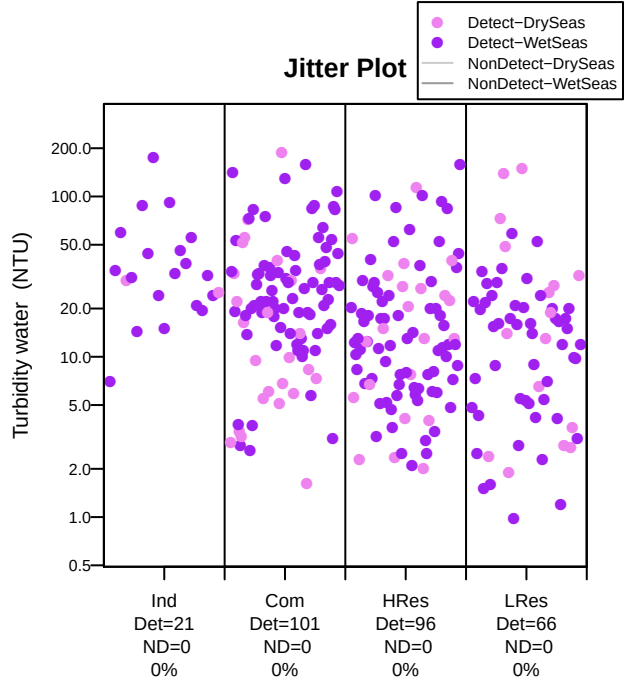
Not Plotted
(Case C)

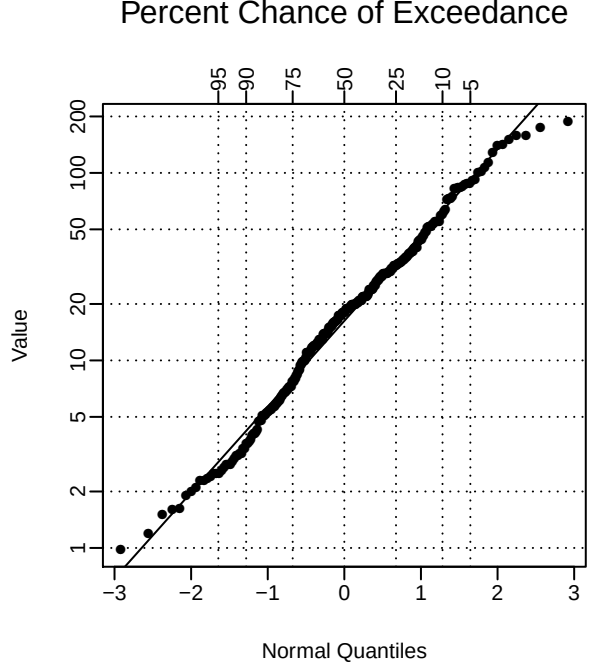




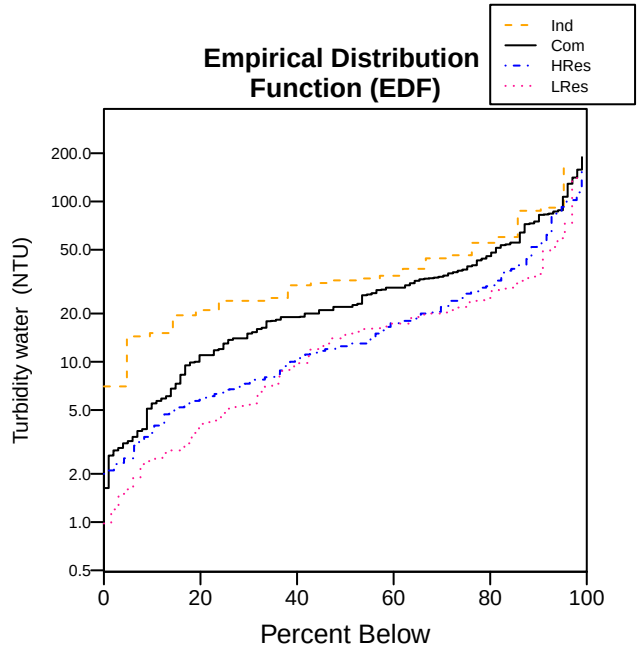
Not Plotted
(Case C)

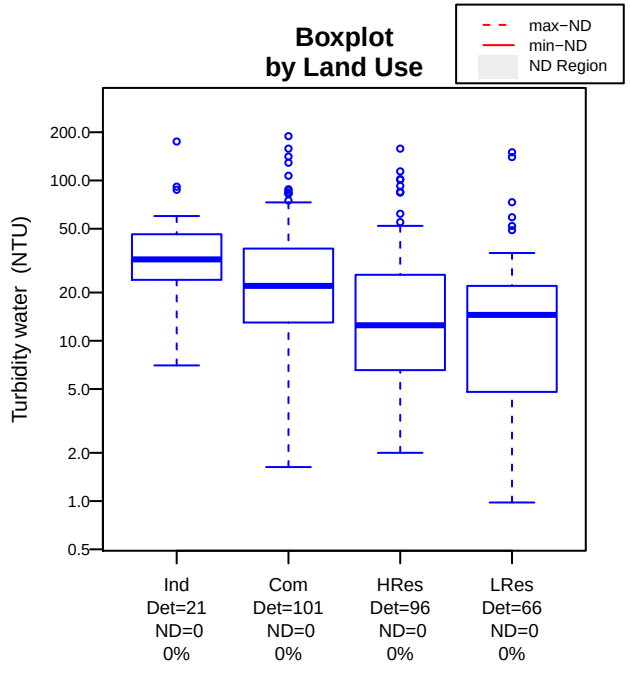
Not Plotted
(Case C)

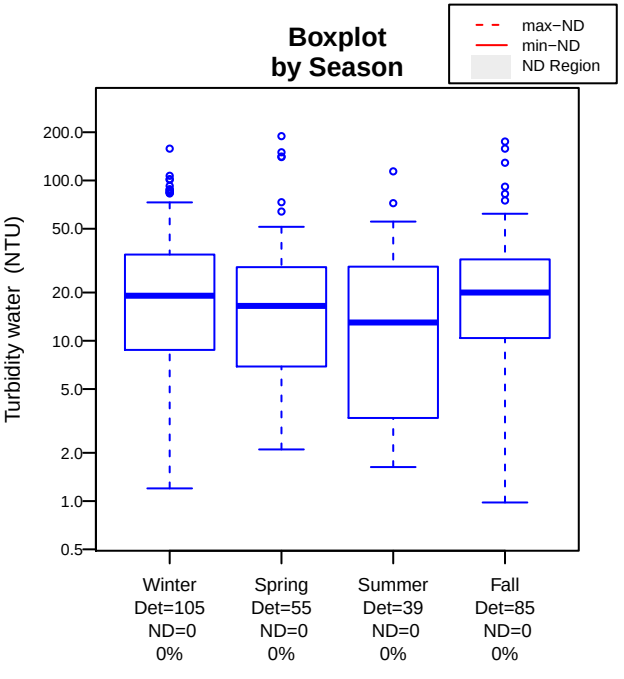


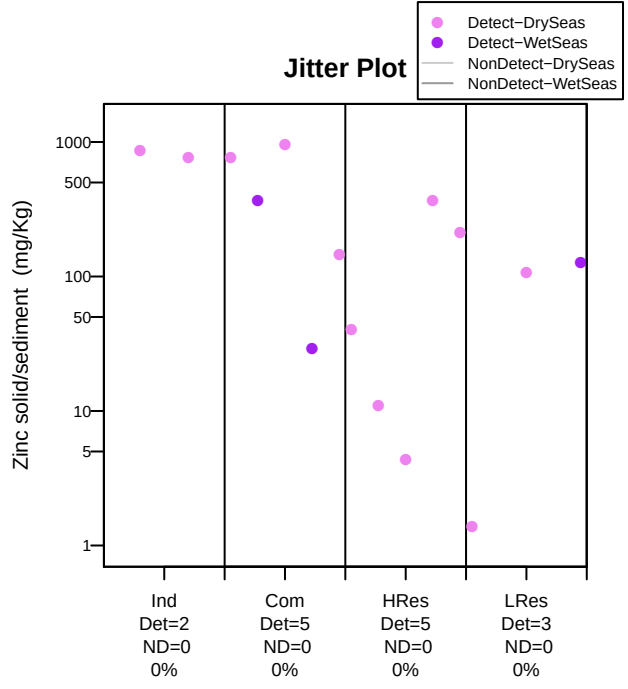


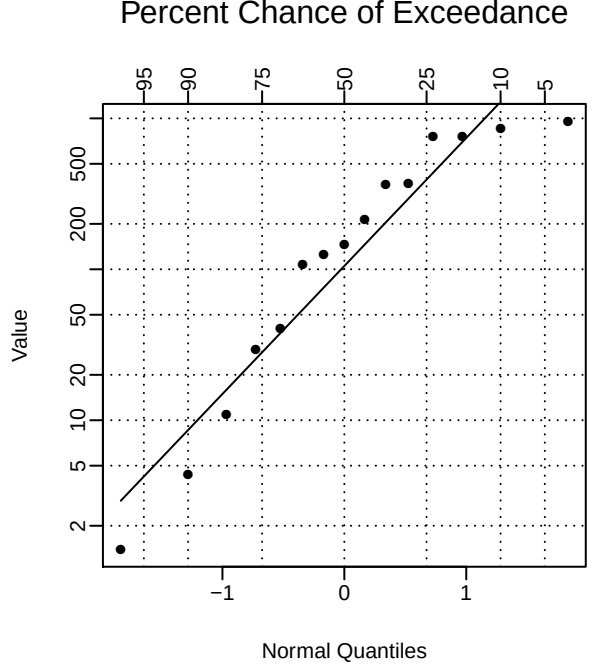
Not Plotted
(No Non−Detects)



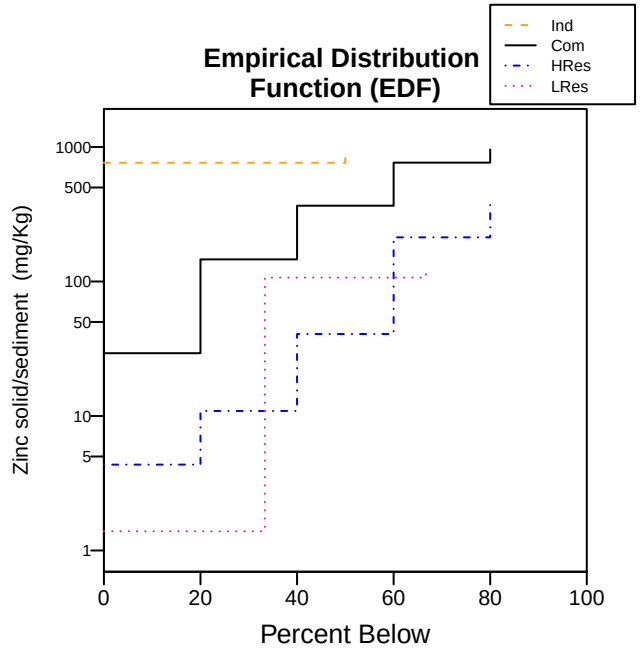


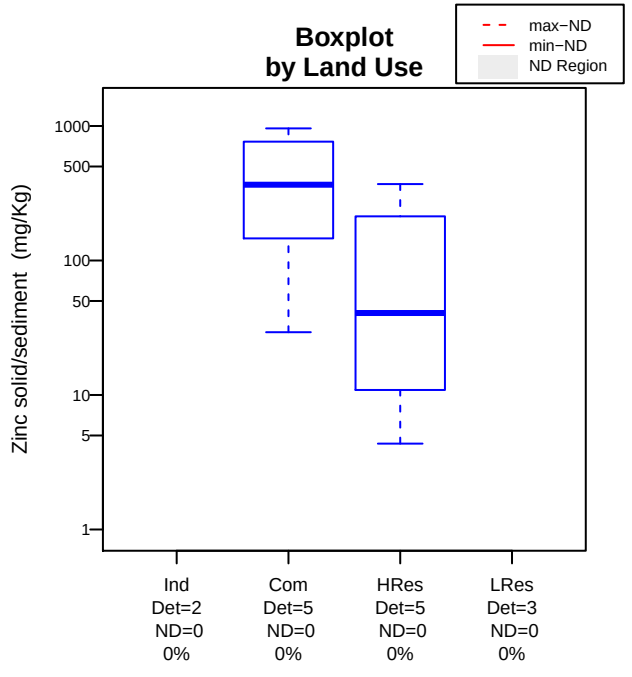


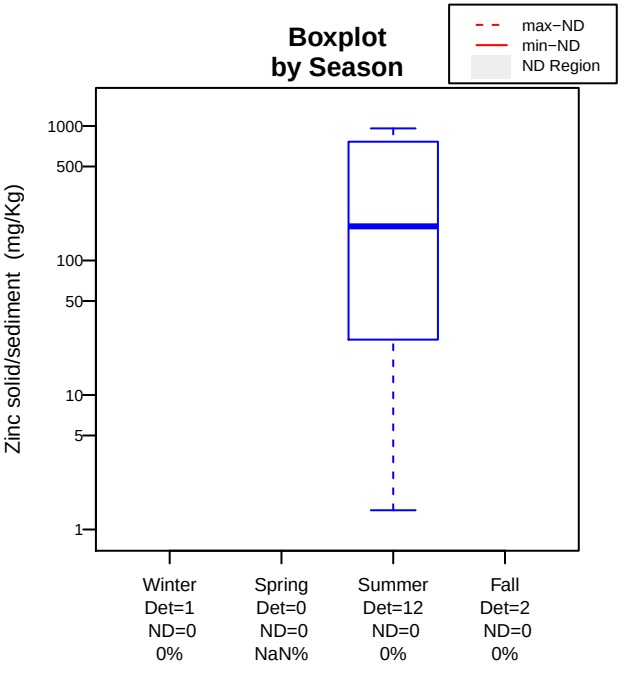


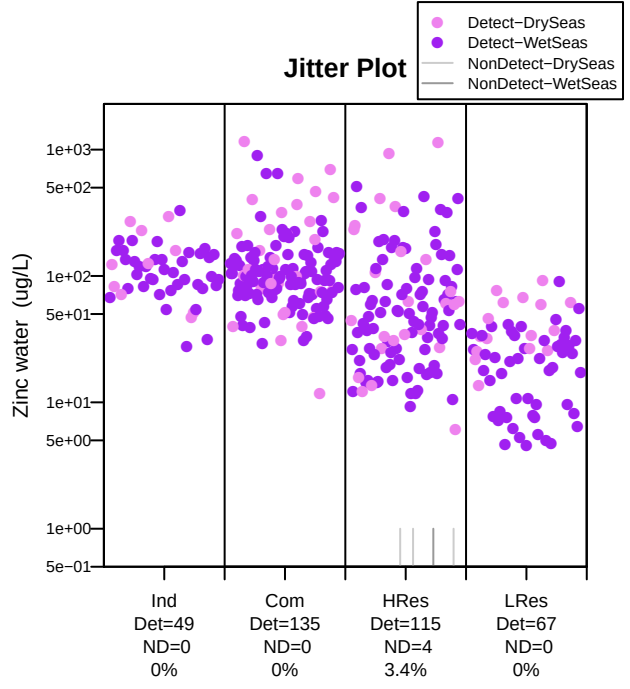


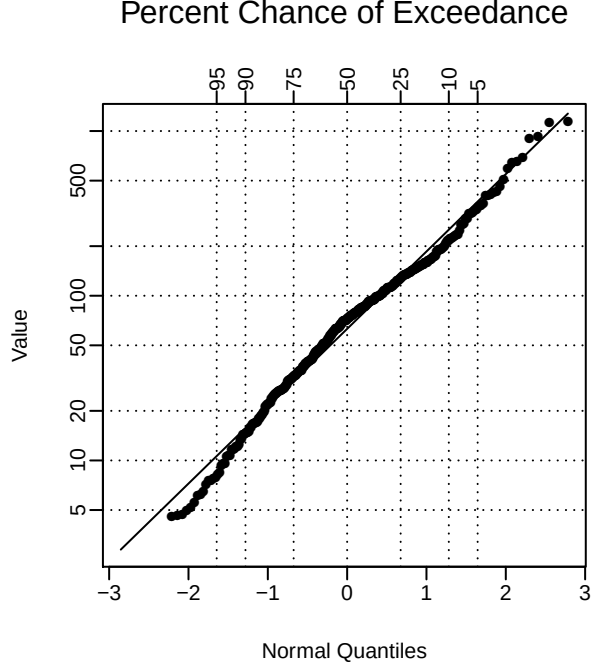
Not Plotted
(No Non−Detects)

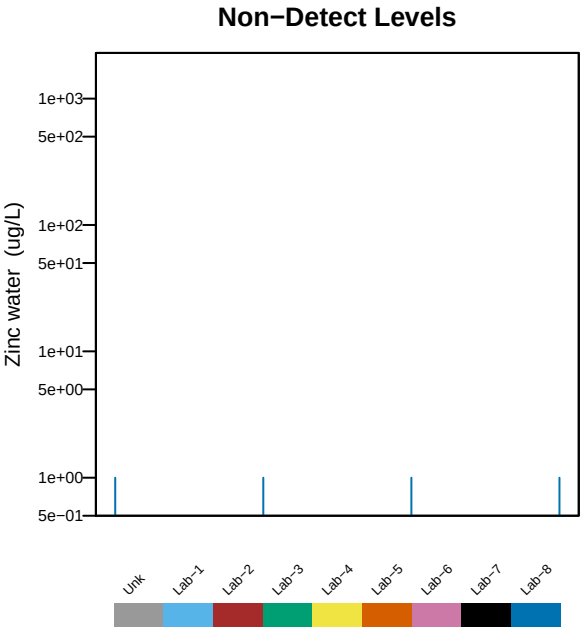


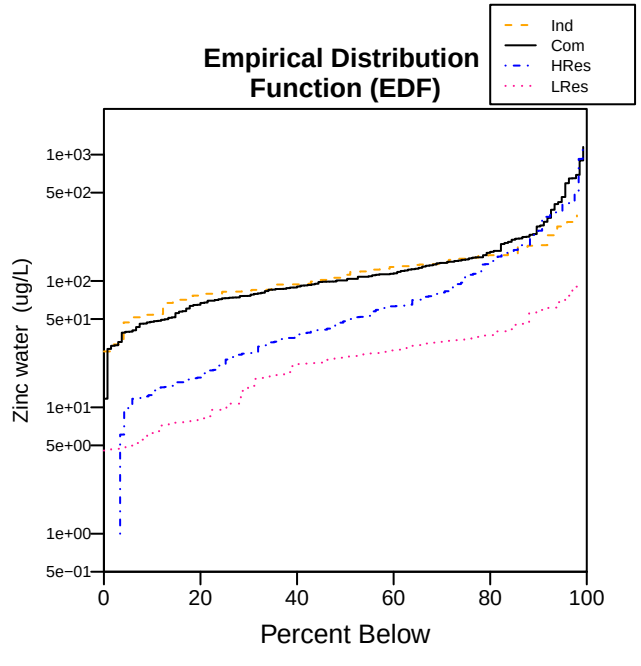


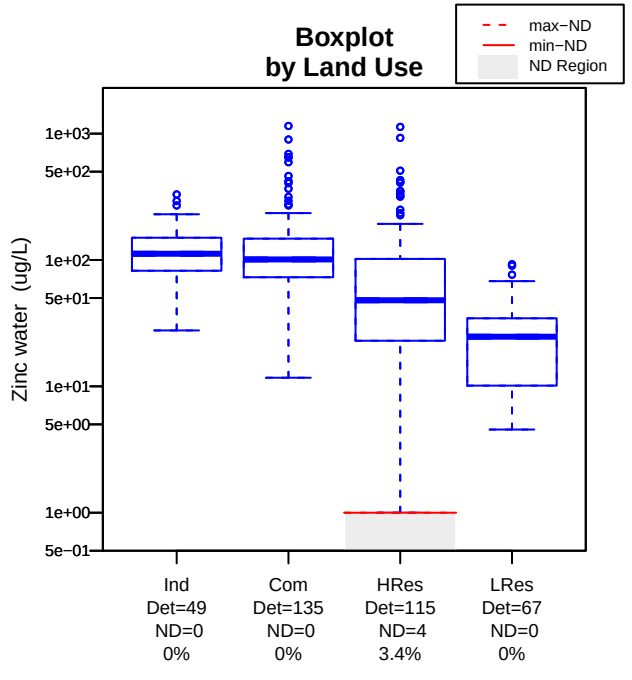


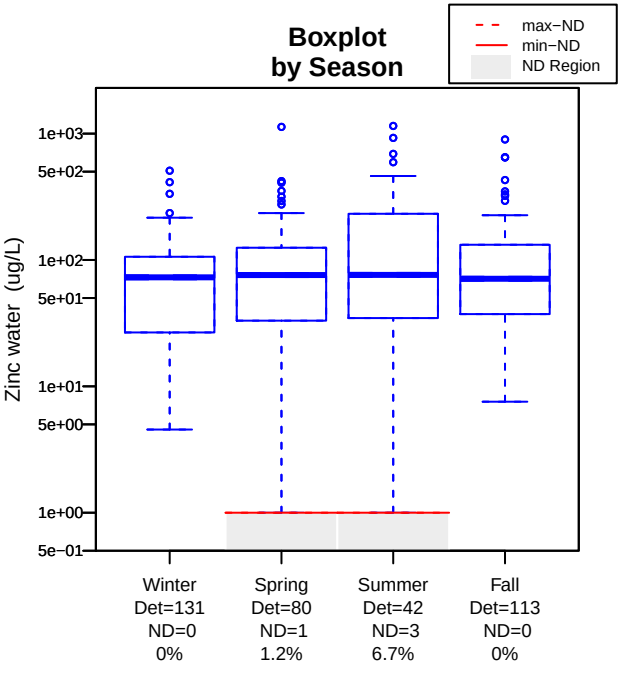

Jitter Plot
Detect−DrySeas
Detect−WetSeas
NonDetect−DrySeas
NonDetect−WetSeas
Zinc water (ug/L)
1e+03
5e+02
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
Ind
Det=49
ND=0
0%
Com
Det=135
ND=0
0%
HRes
Det=115
ND=4
3.4%
LRes
Det=67
ND=0
0%

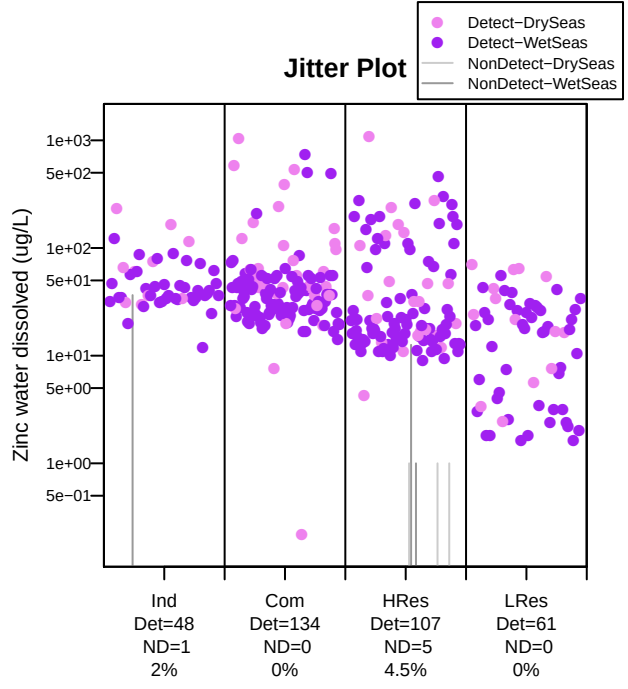

Percent Chance of Exceedance
95
90
75
50
25
10
5
Value
500
100
50
20
10
5
−3
−2
−1
0
1
2
3
Normal Quantiles

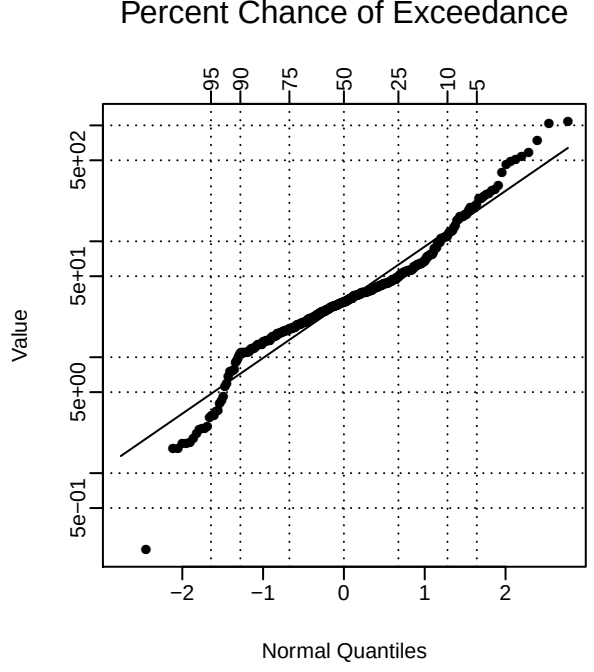

Non−Detect Levels
Zinc water (ug/L)
1e+03
5e+02
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
Unk
Lab−1
Lab−2
Lab−3
Lab−4
Lab−5
Lab−6
Lab−7
Lab−8

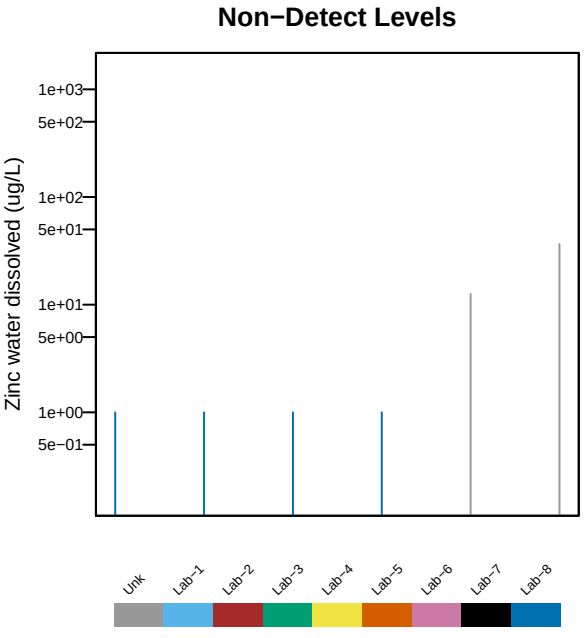

Empirical Distribution Function (EDF)
Ind
Com
HRes
LRes
Zinc water (ug/L)
1e+03
5e+02
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
0
20
40
60
80
100
Percent Below

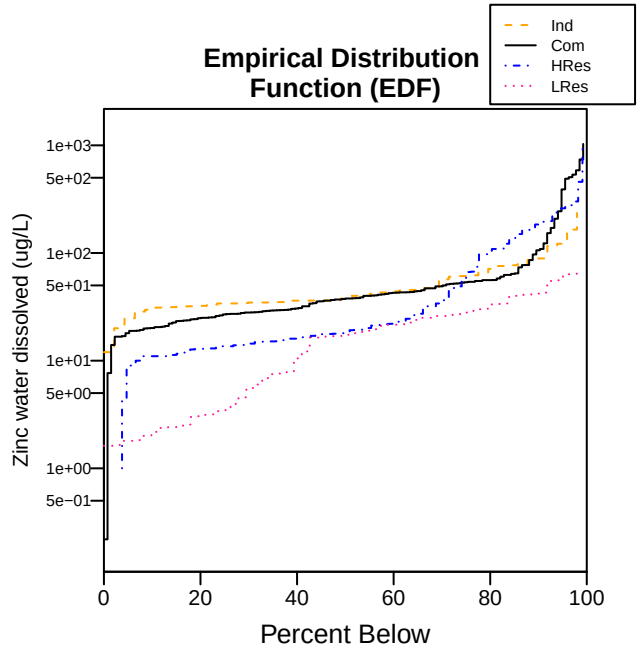

Boxplot by Land Use
max−ND
min−ND
ND Region
Zinc water (ug/L)
1e+03
5e+02
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
Ind
Det=49
ND=0
0%
Com
Det=135
ND=0
0%
HRes
Det=115
ND=4
3.4%
LRes
Det=67
ND=0
0%

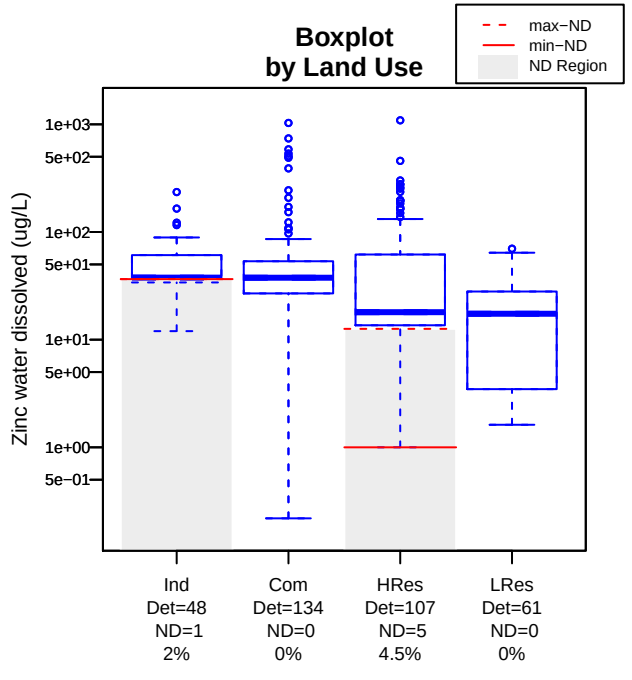

Boxplot by Season
max−ND
min−ND
ND Region
Zinc water (ug/L)
1e+03
5e+02
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
Winter
Det=131
ND=0
0%
Spring
Det=80
ND=1
1.2%
Summer
Det=42
ND=3
6.7%
Fall
Det=113
ND=0
0%

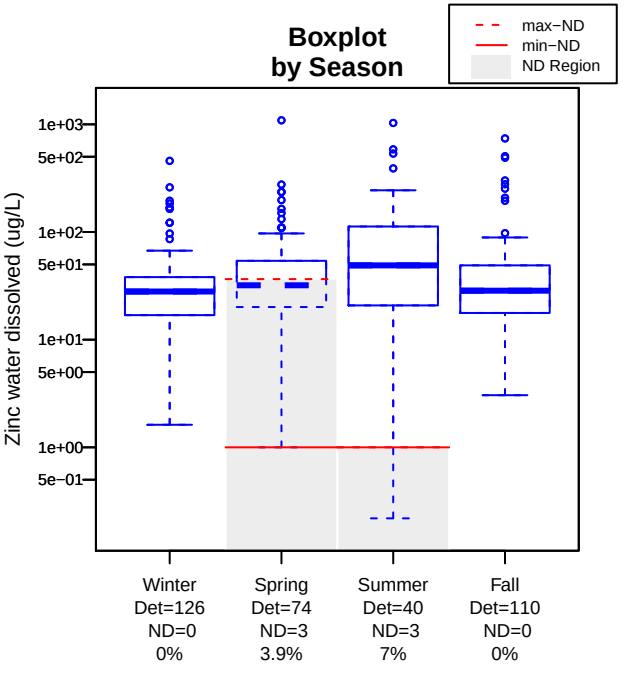

Jitter Plot
Detect−DrySeas
Detect−WetSeas
NonDetect−DrySeas
NonDetect−WetSeas
Zinc water dissolved (ug/L)
1e+03
5e+02
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
Ind
Det=48
ND=1
2%
Com
Det=134
ND=0
0%
HRes
Det=107
ND=5
4.5%
LRes
Det=61
ND=0
0%


Percent Chance of Exceedance
95
90
75
50
25
10
5
Value
5e+02
5e+01
5e+00
5e−01
−2
−1
0
1
2
Normal Quantiles


Non−Detect Levels
Zinc water dissolved (ug/L)
1e+03
5e+02
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
Unk
Lab−1
Lab−2
Lab−3
Lab−4
Lab−5
Lab−6
Lab−7
Lab−8


Empirical Distribution Function (EDF)
Ind
Com
HRes
LRes
Zinc water dissolved (ug/L)
1e+03
5e+02
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
0
20
40
60
80
100
Percent Below


Boxplot by Land Use
max−ND
min−ND
ND Region
Zinc water dissolved (ug/L)
1e+03
5e+02
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
Ind
Det=48
ND=1
2%
Com
Det=134
ND=0
0%
HRes
Det=107
ND=5
4.5%
LRes
Det=61
ND=0
0%


Boxplot by Season
max−ND
min−ND
ND Region
Zinc water dissolved (ug/L)
1e+03
5e+02
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
Winter
Det=126
ND=0
0%
Spring
Det=74
ND=3
3.9%
Summer
Det=40
ND=3
7%
Fall
Det=110
ND=0
0%