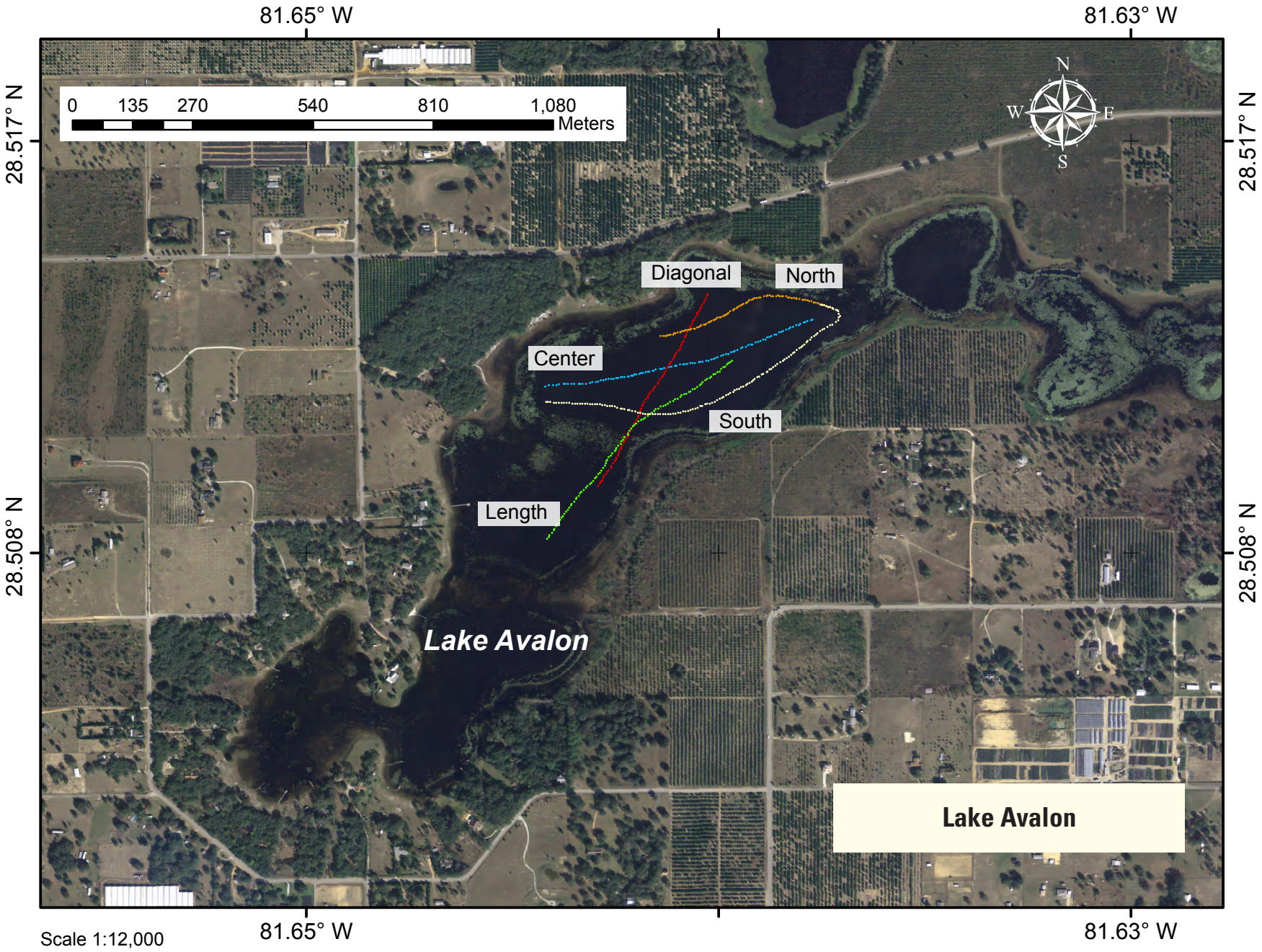
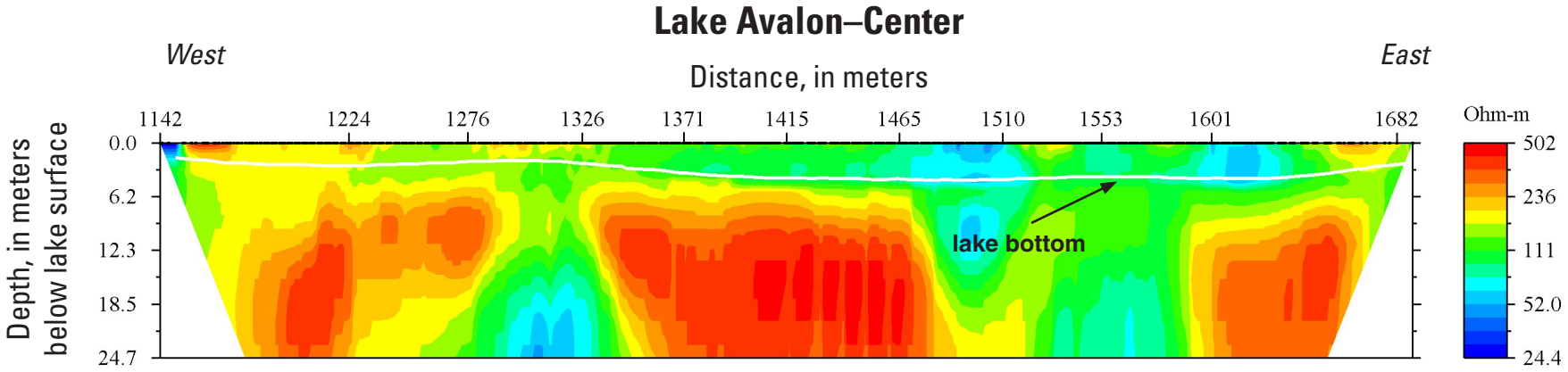
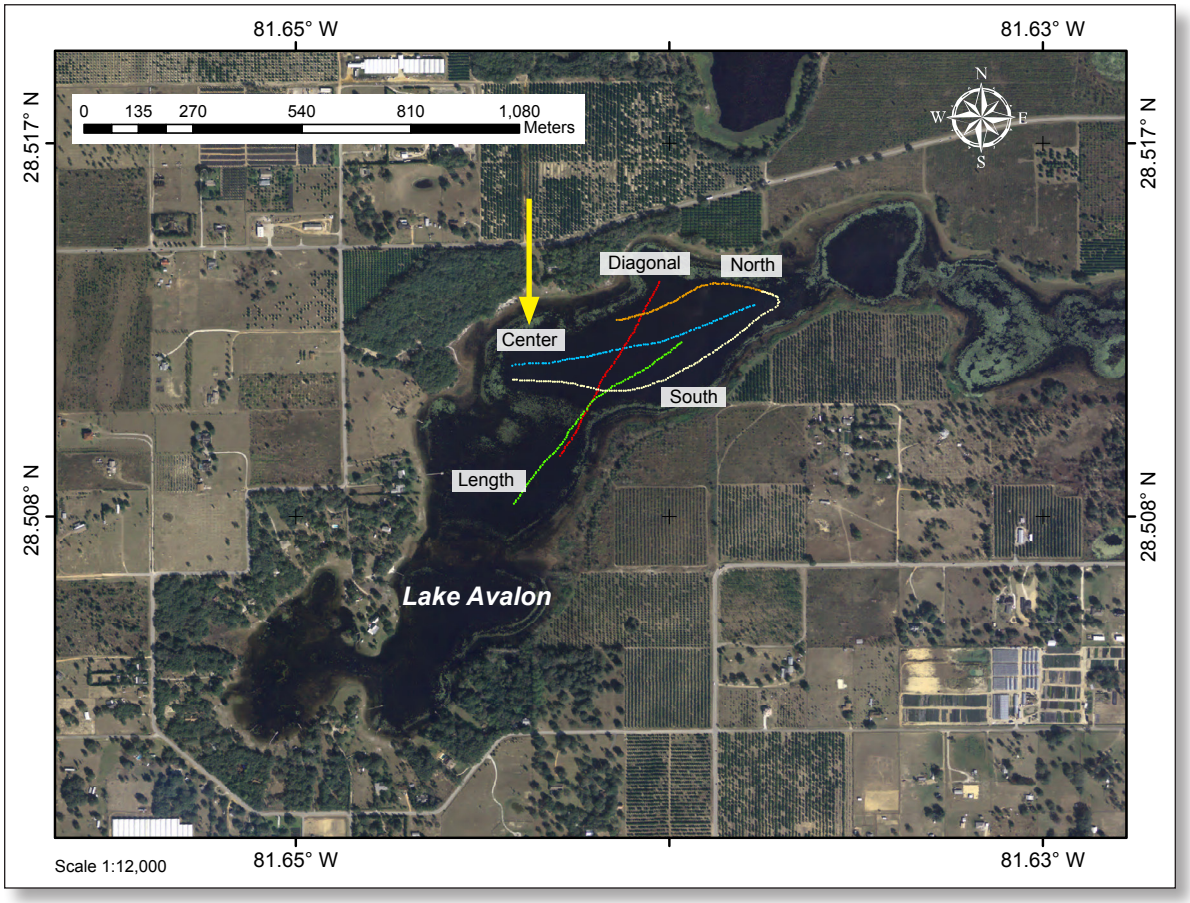
Open-File Report 2012-1201

Appendix

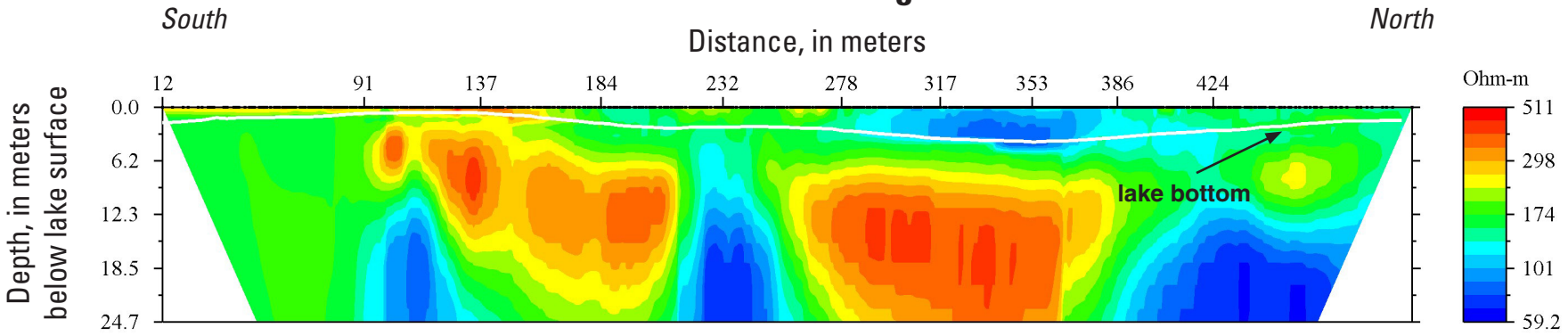
Continuous Resistivity Profiles

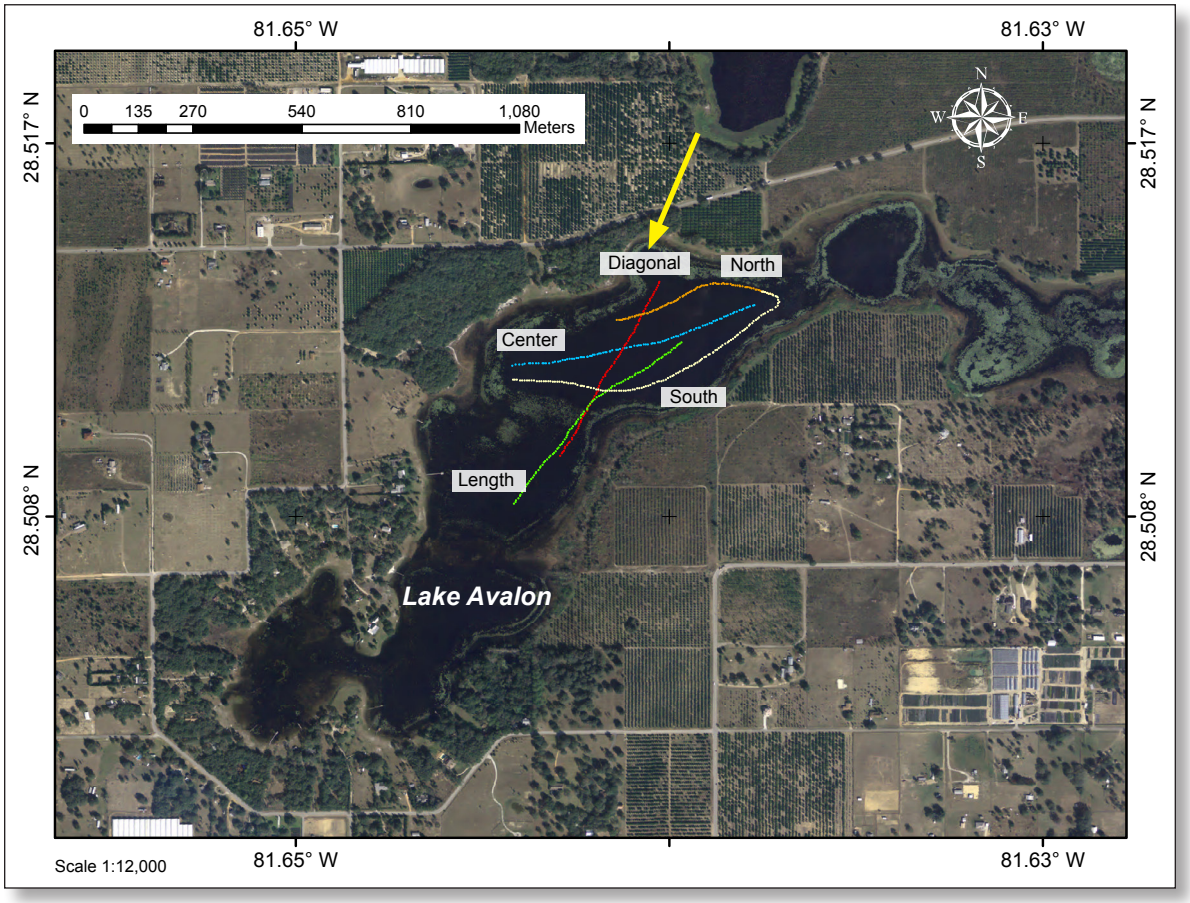



Lake Avalon–Center
West
East
Distance, in meters
1142
1224
1276
1326
1371
1415
1465
1510
1553
1601
1682
Depth, in meters below lake surface
0.0
6.2
12.3
18.5
24.7
lake bottom
Ohm-m
502
236
111
52.0
24.4

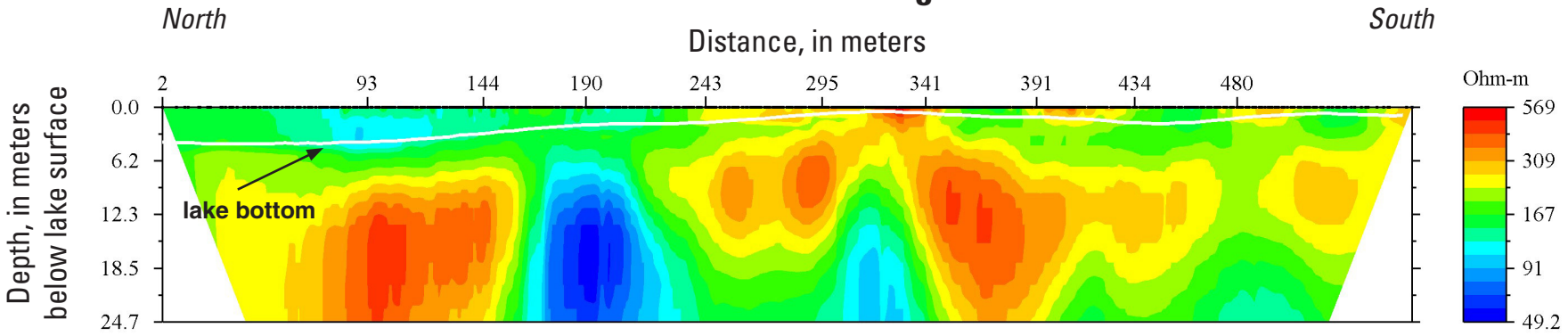

81.65° W
81.63° W
28.517° N
28.508° N
0
135
270
540
810
1,080
Meters
N
W
E
S
Diagonal
North
Center
South
Length
Lake Avalon
Scale 1:12,000

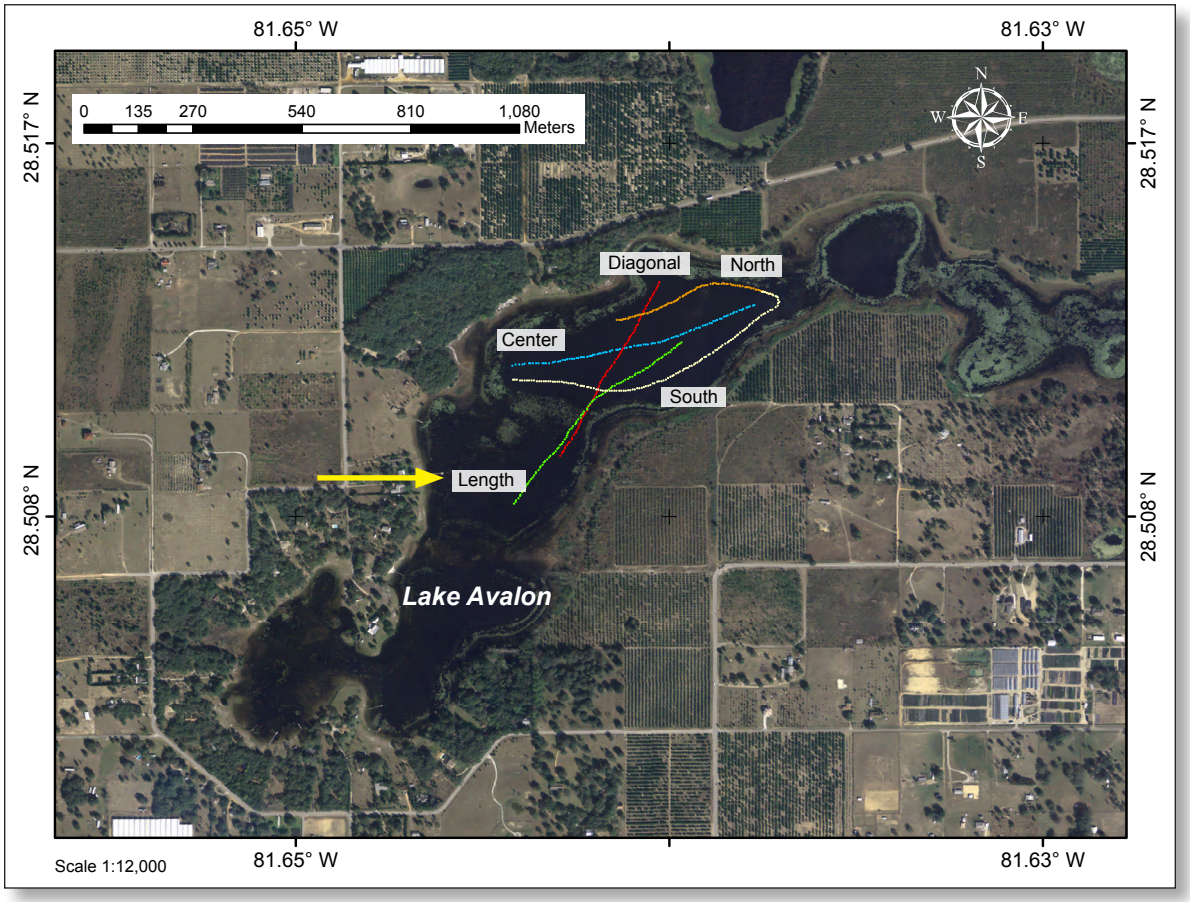
Lake Avalon–Diagonal

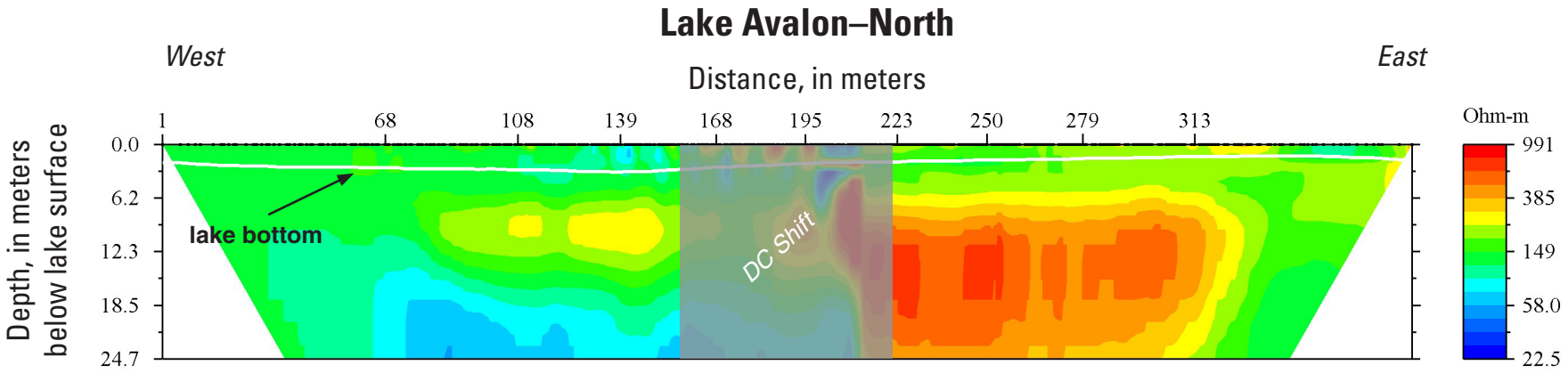


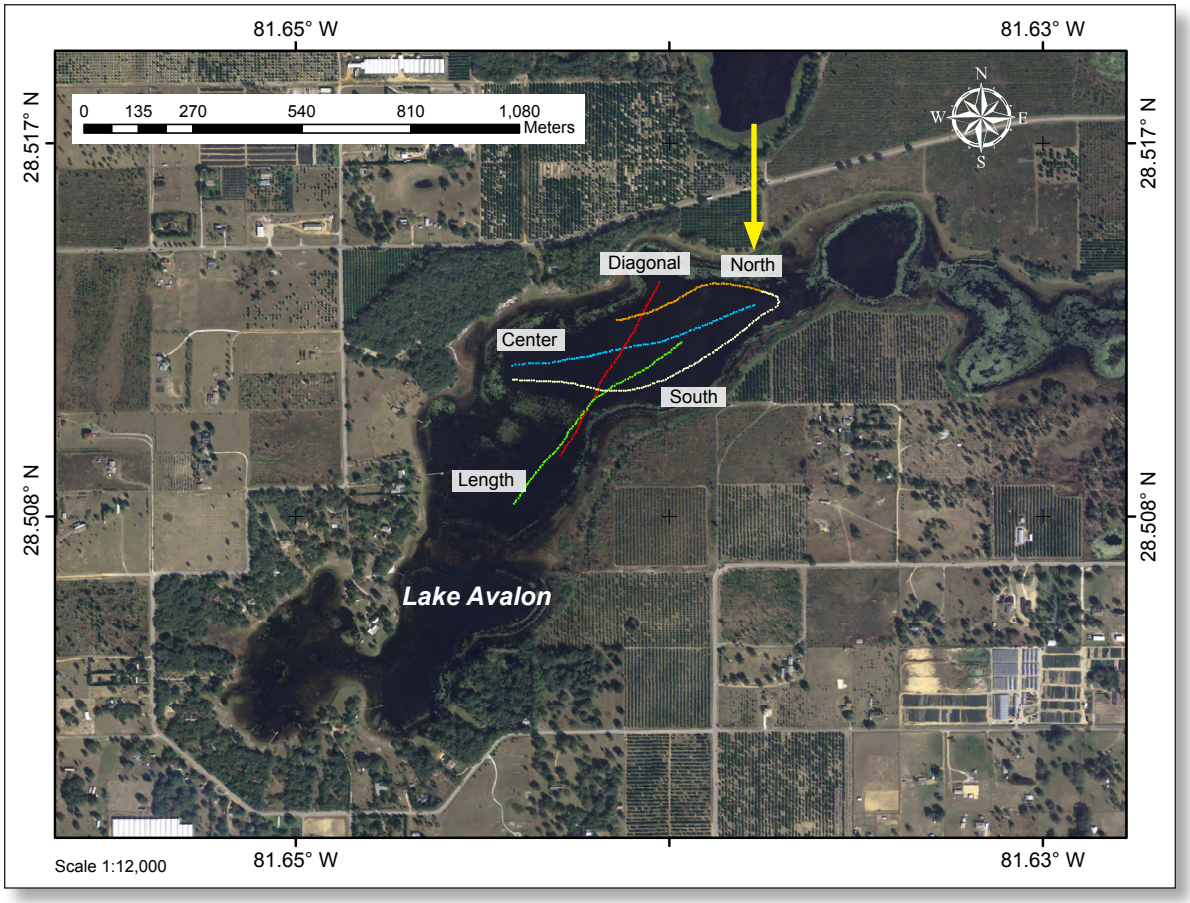


Lake Avalon–Length

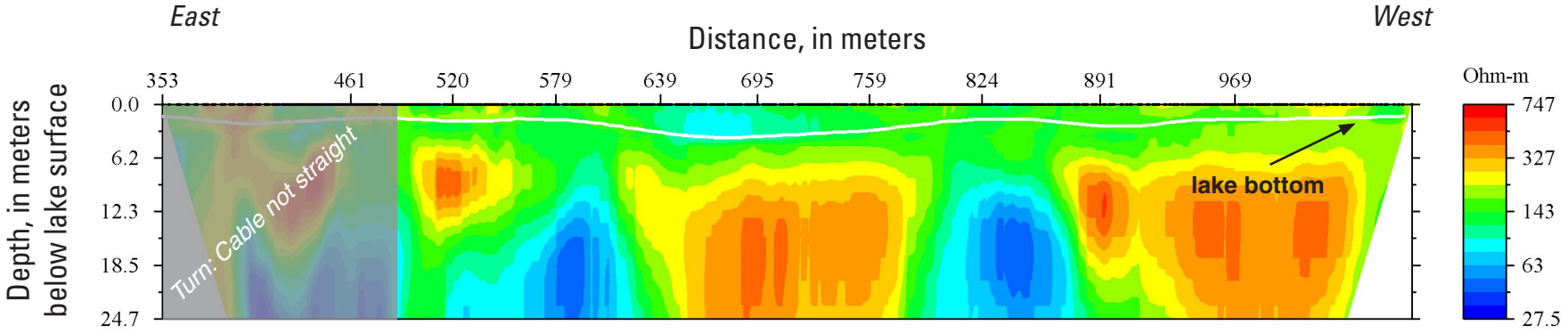


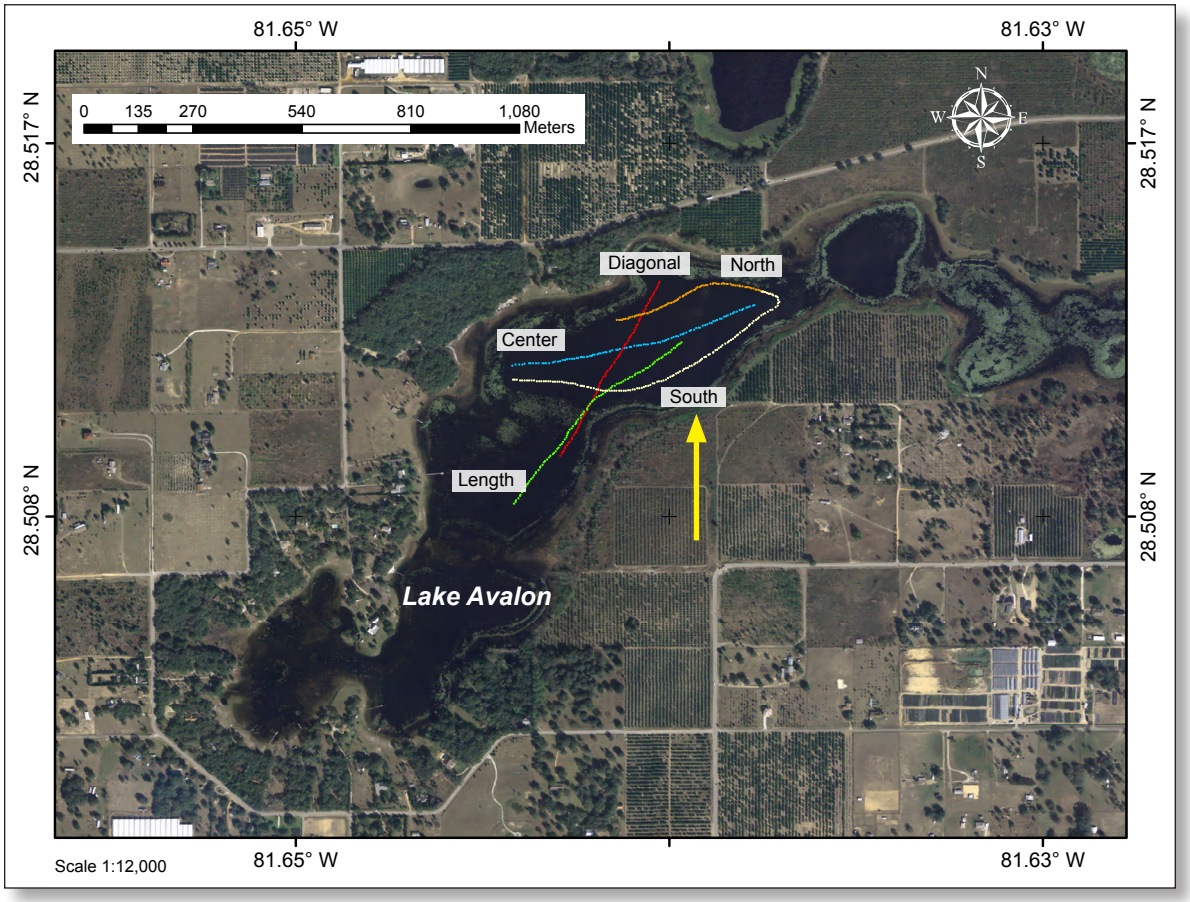



Lake Avalon–North
West
East
Distance, in meters
1
68
108
139
168
195
223
250
279
313
Depth, in meters below lake surface
0.0
6.2
12.3
18.5
24.7
lake bottom
DC Shift
Ohm-m
991
385
149
58.0
22.5

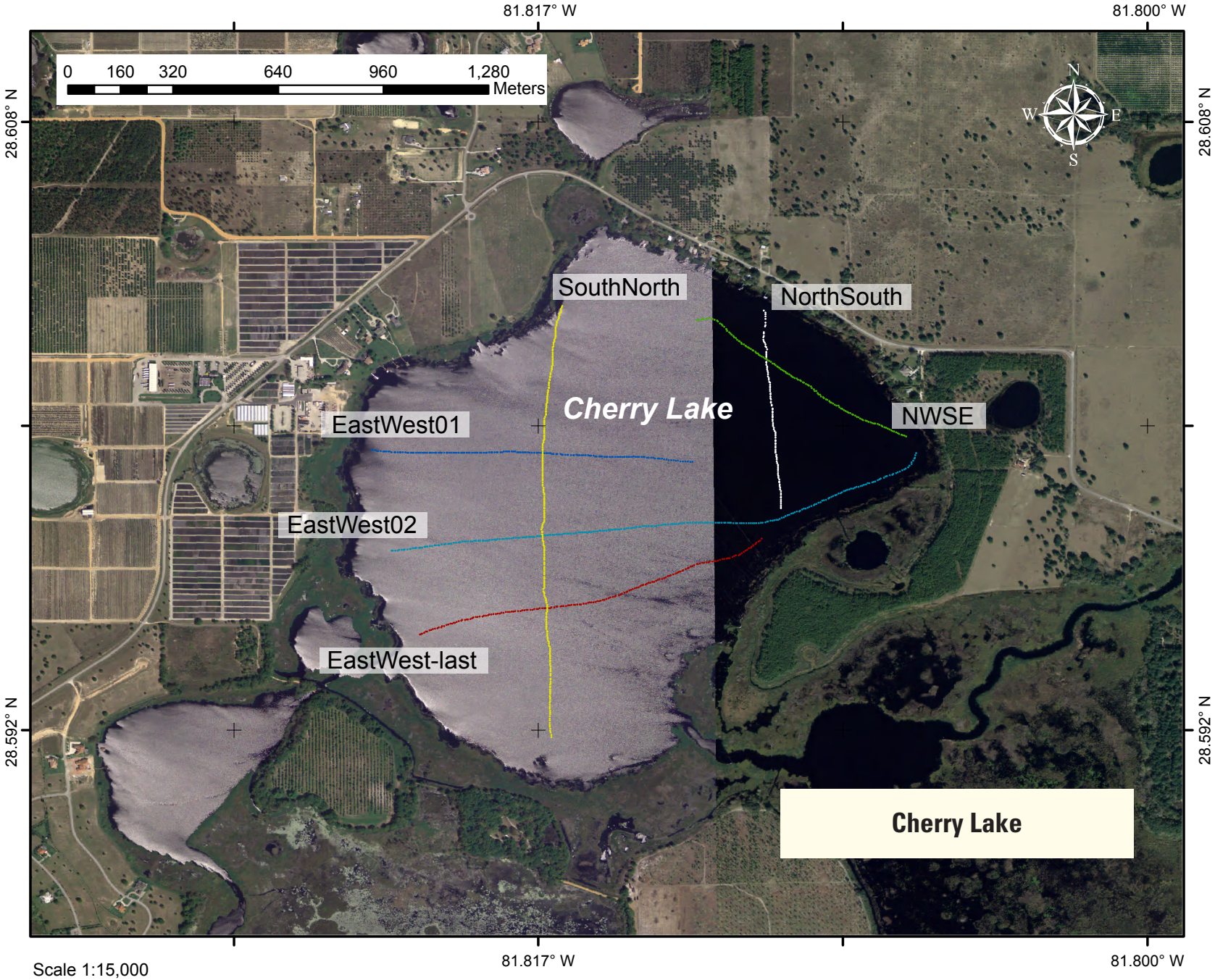

81.65° W
81.63° W
28.517° N
28.508° N
0
135
270
540
810
1,080
Meters
N
W
E
S
Diagonal
North
Center
South
Length
Lake Avalon
Scale 1:12,000

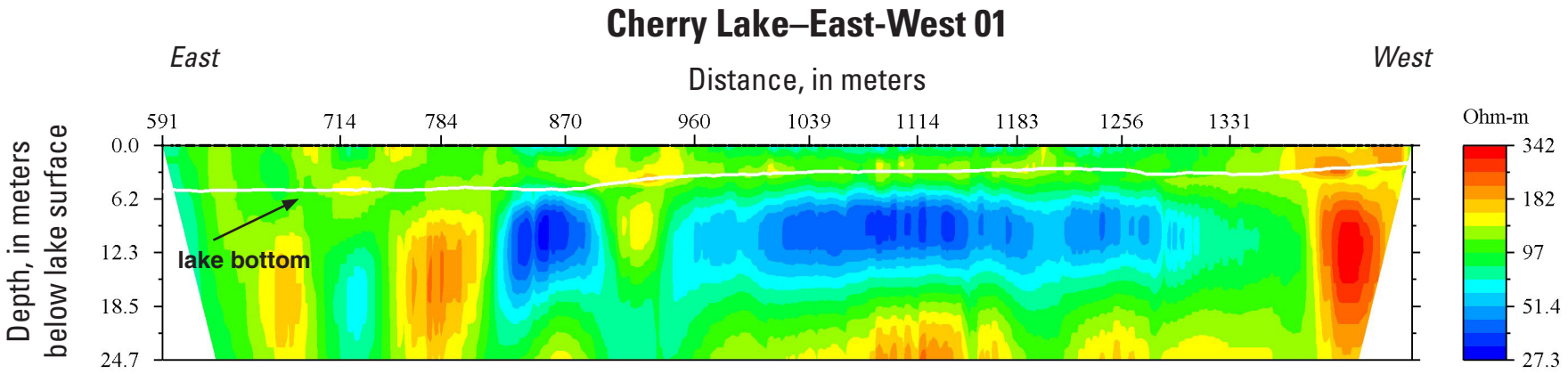
Lake Avalon–South

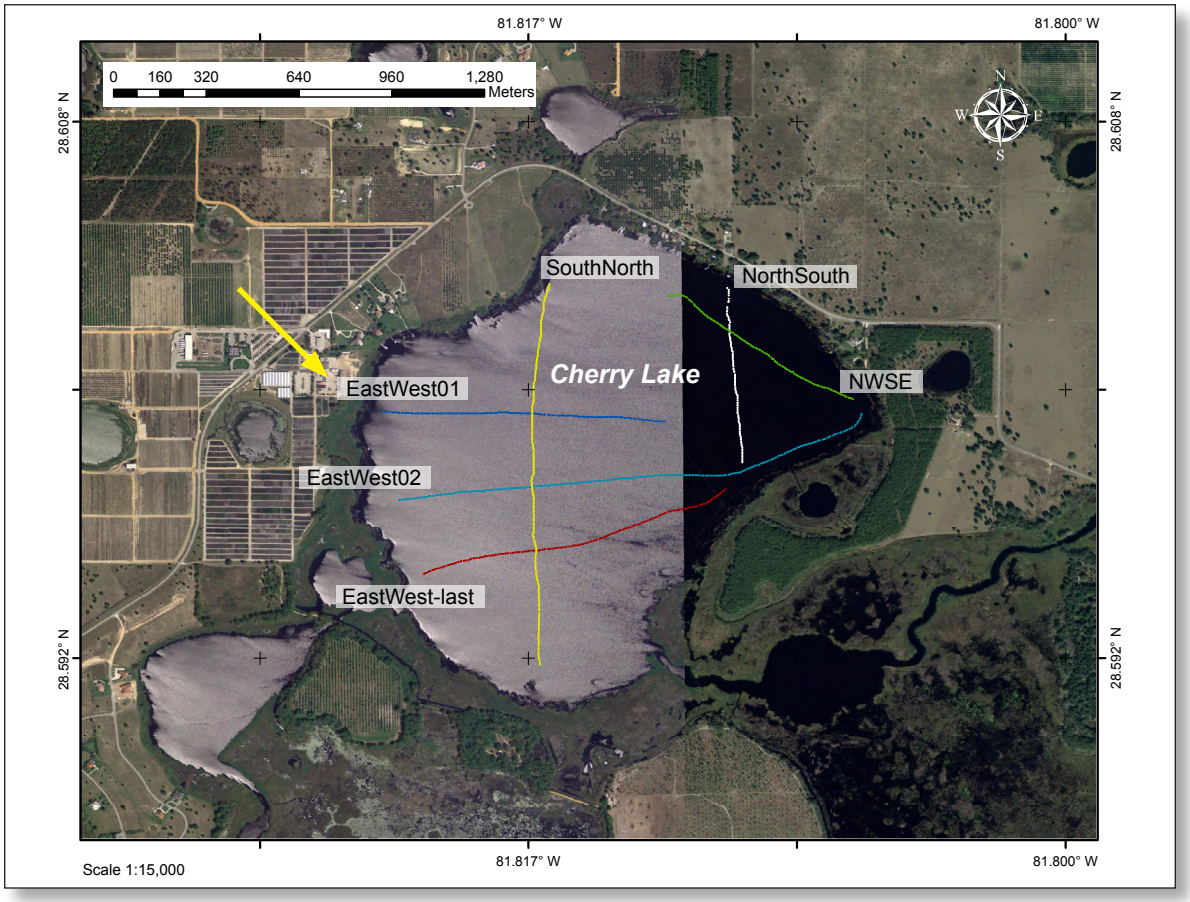


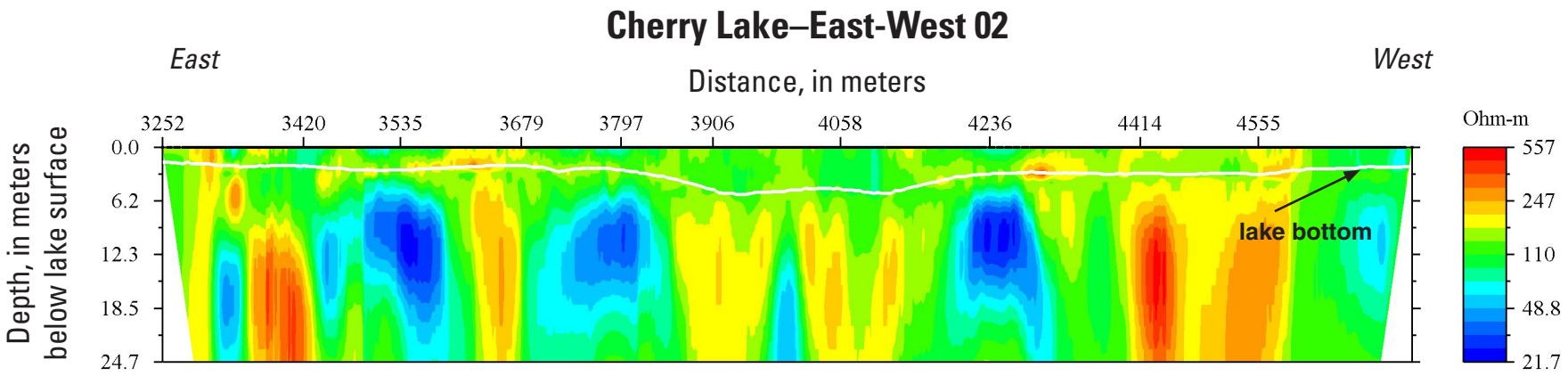


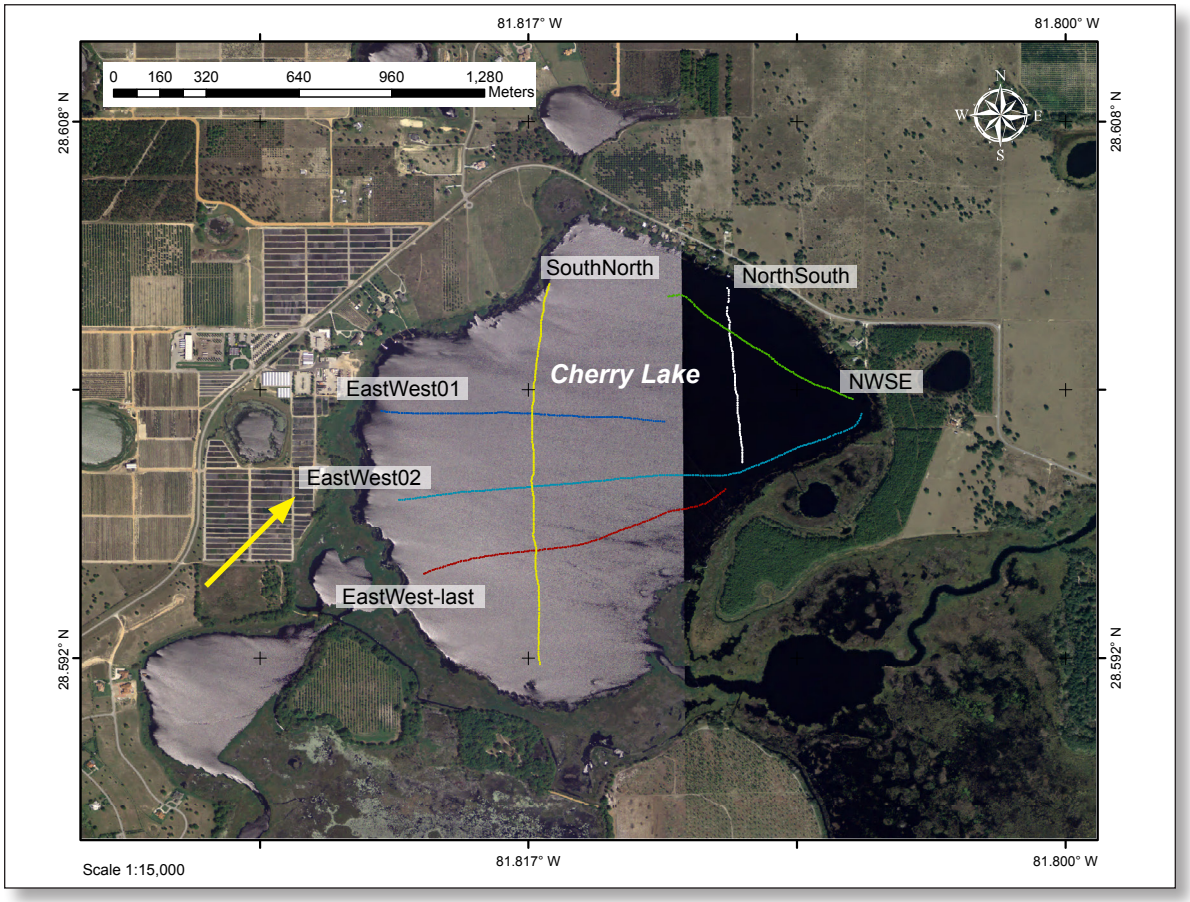
Continuous Resistivity Profiles

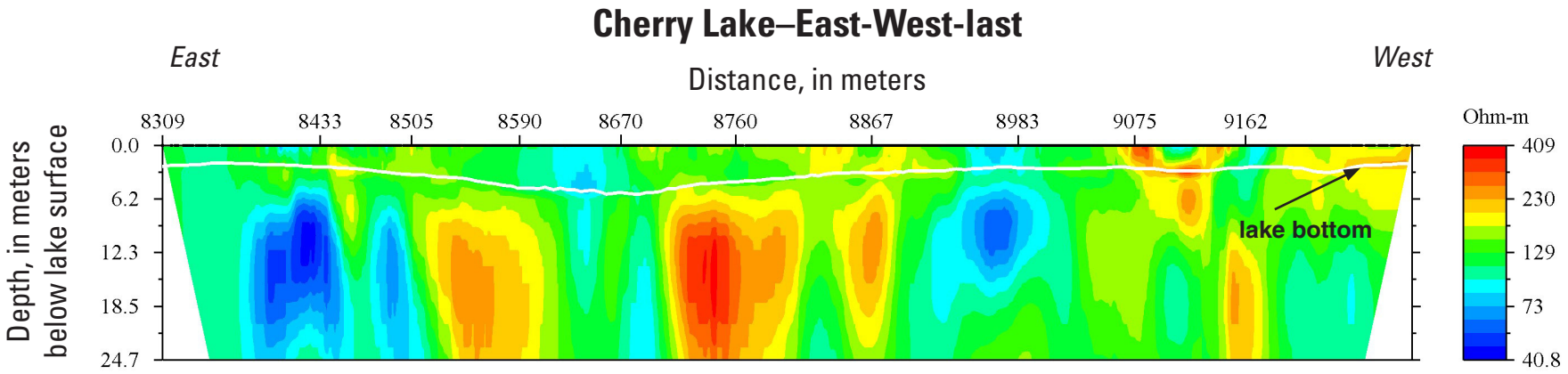


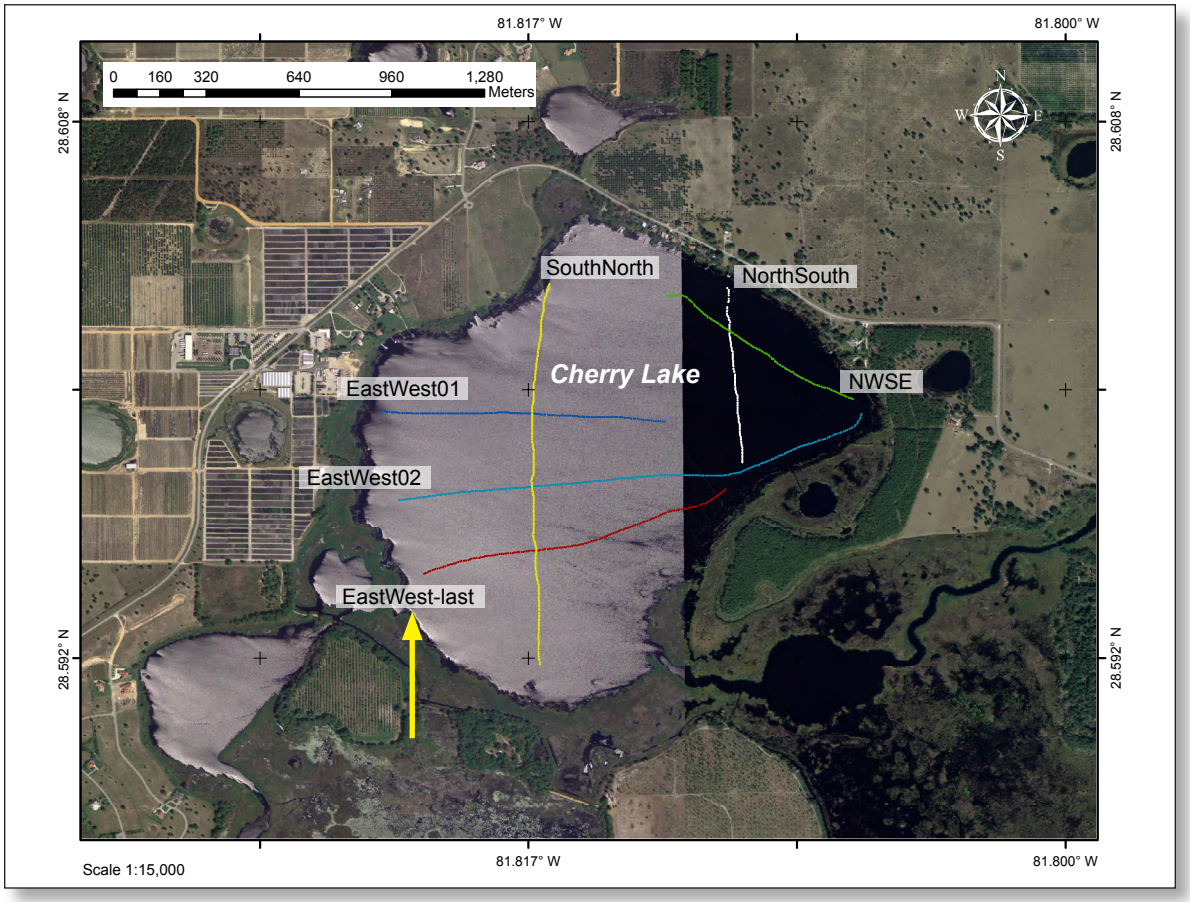

Cherry Lake–East-West 01
East
West
Distance, in meters
591
714
784
870
960
1039
1114
1183
1256
1331
Depth, in meters below lake surface
0.0
6.2
12.3
18.5
24.7
lake bottom
Ohm-m
342
182
97
51.4
27.3

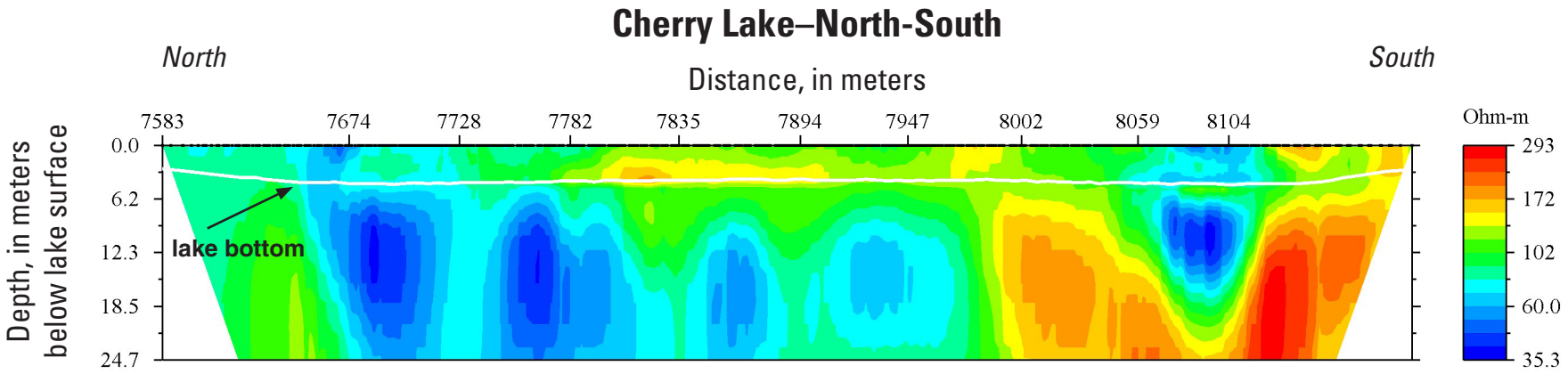

81.817° W
81.800° W
28.608° N
28.592° N
0 160 320 640 960 1,280
Meters
N
W
E
S
SouthNorth
NorthSouth
Cherry Lake
EastWest01
NWSE
EastWest02
EastWest-last
Scale 1:15,000

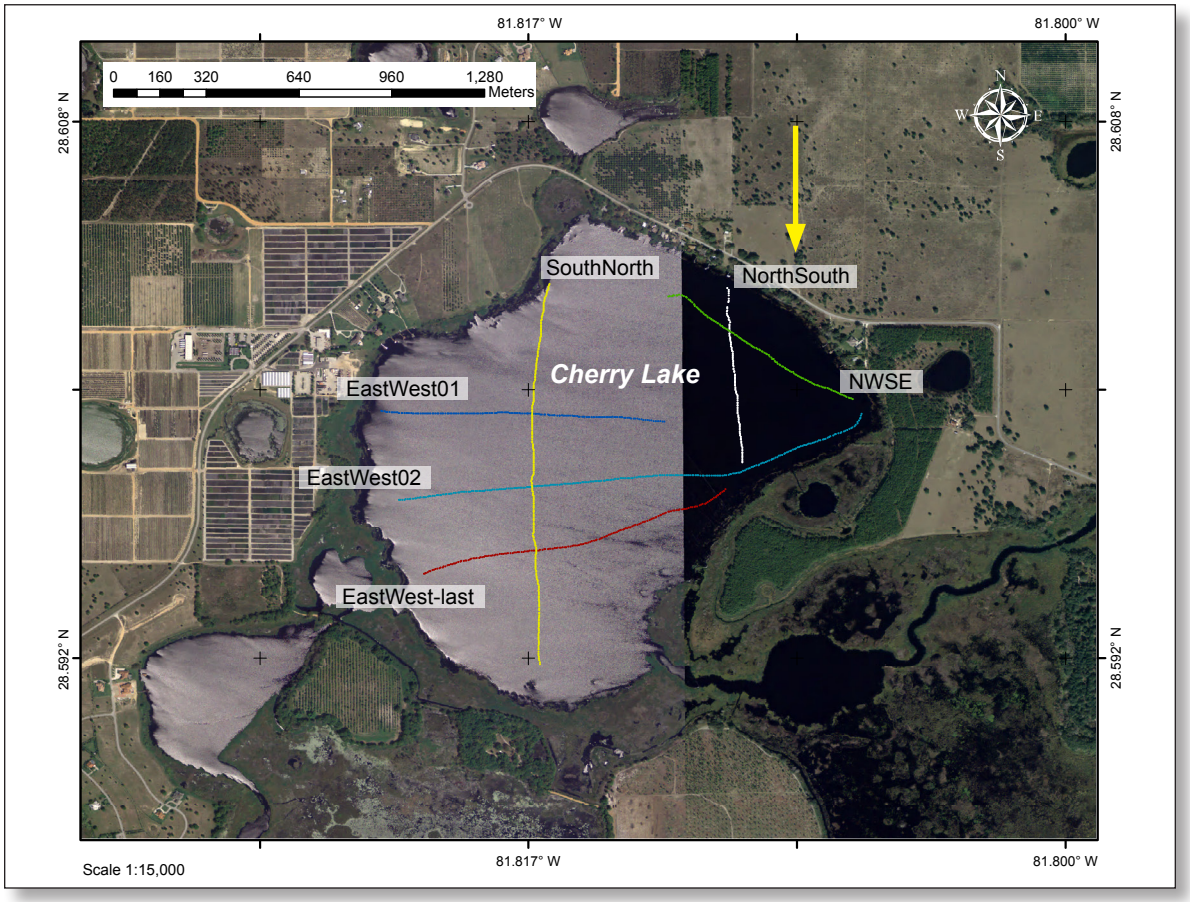

Cherry Lake–East-West 02
East
West
Distance, in meters
3252
3420
3535
3679
3797
3906
4058
4236
4414
4555
Depth, in meters below lake surface
0.0
6.2
12.3
18.5
24.7
lake bottom
Ohm-m
557
247
110
48.8
21.7

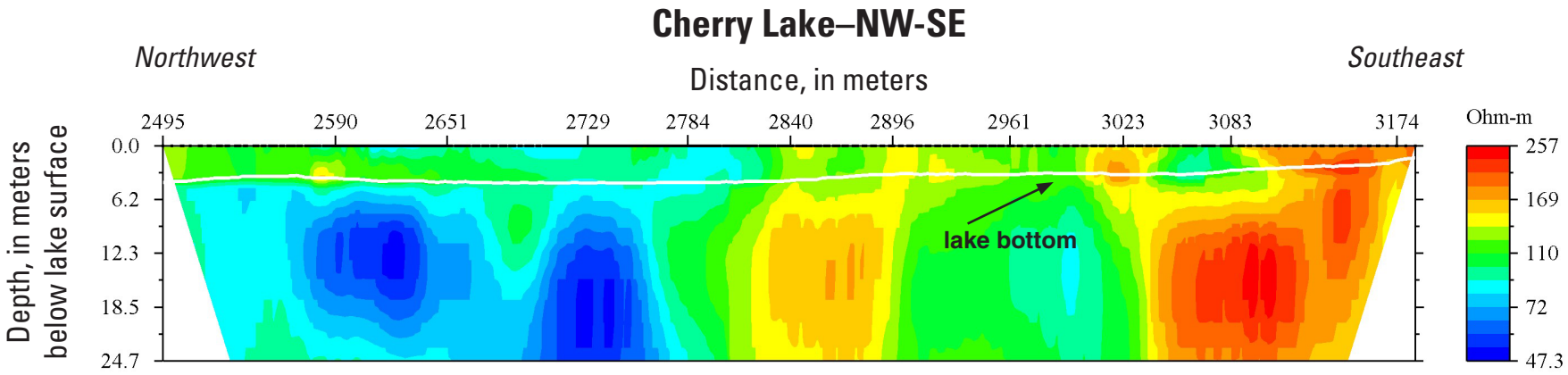

81.817° W
81.800° W
28.608° N
28.592° N
0 160 320 640 960 1,280
Meters
N
W
E
S
SouthNorth
NorthSouth
Cherry Lake
EastWest01
NWSE
EastWest02
EastWest-last
Scale 1:15,000

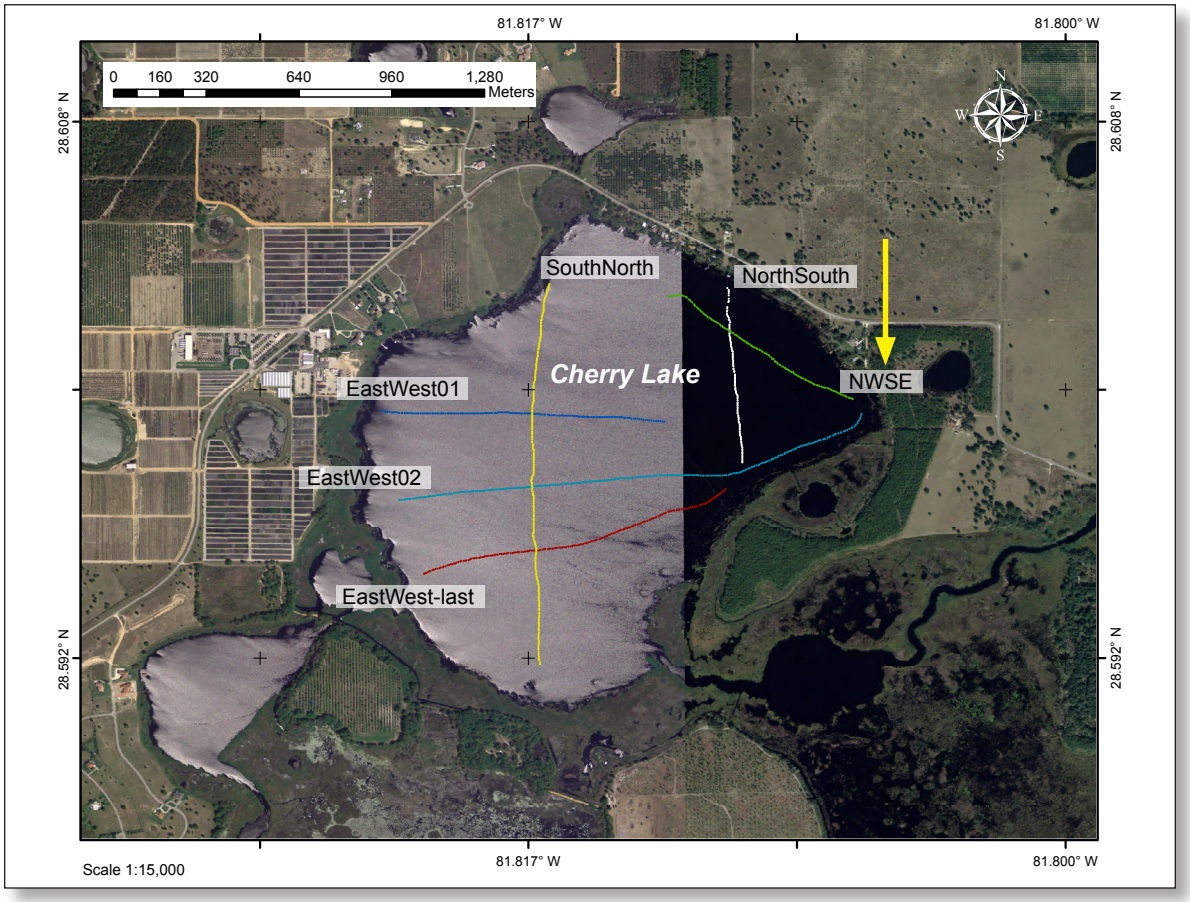

Cherry Lake–East-West-last
East
West
Distance, in meters
8309
8433
8505
8590
8670
8760
8867
8983
9075
9162
Depth, in meters below lake surface
0.0
6.2
12.3
18.5
24.7
lake bottom
Ohm-m
409
230
129
73
40.8

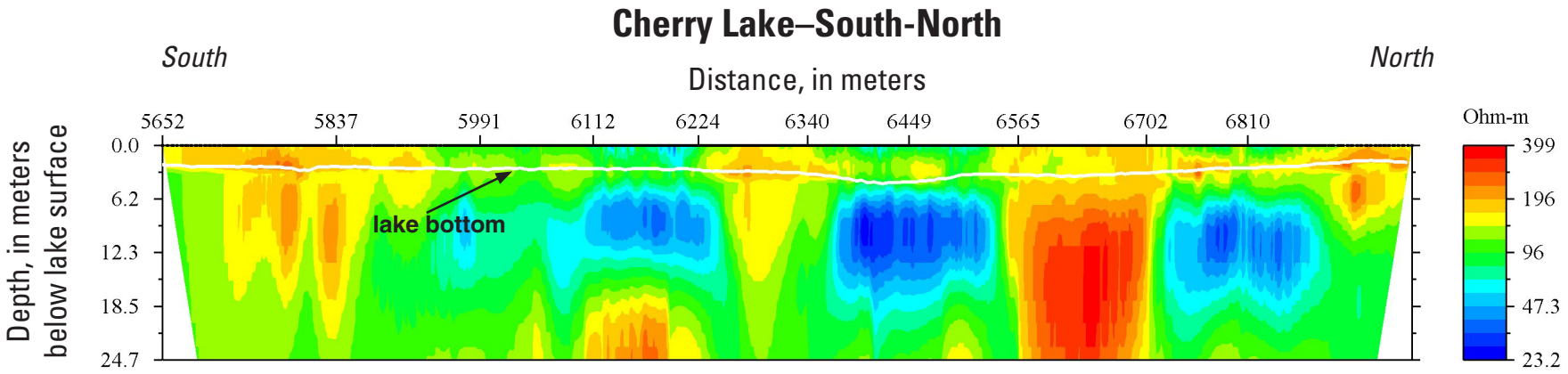

81.817° W
81.800° W
28.608° N
28.592° N
0 160 320 640 960 1,280
Meters
N
W
E
S
SouthNorth
NorthSouth
Cherry Lake
NWSE
EastWest01
EastWest02
EastWest-last
Scale 1:15,000

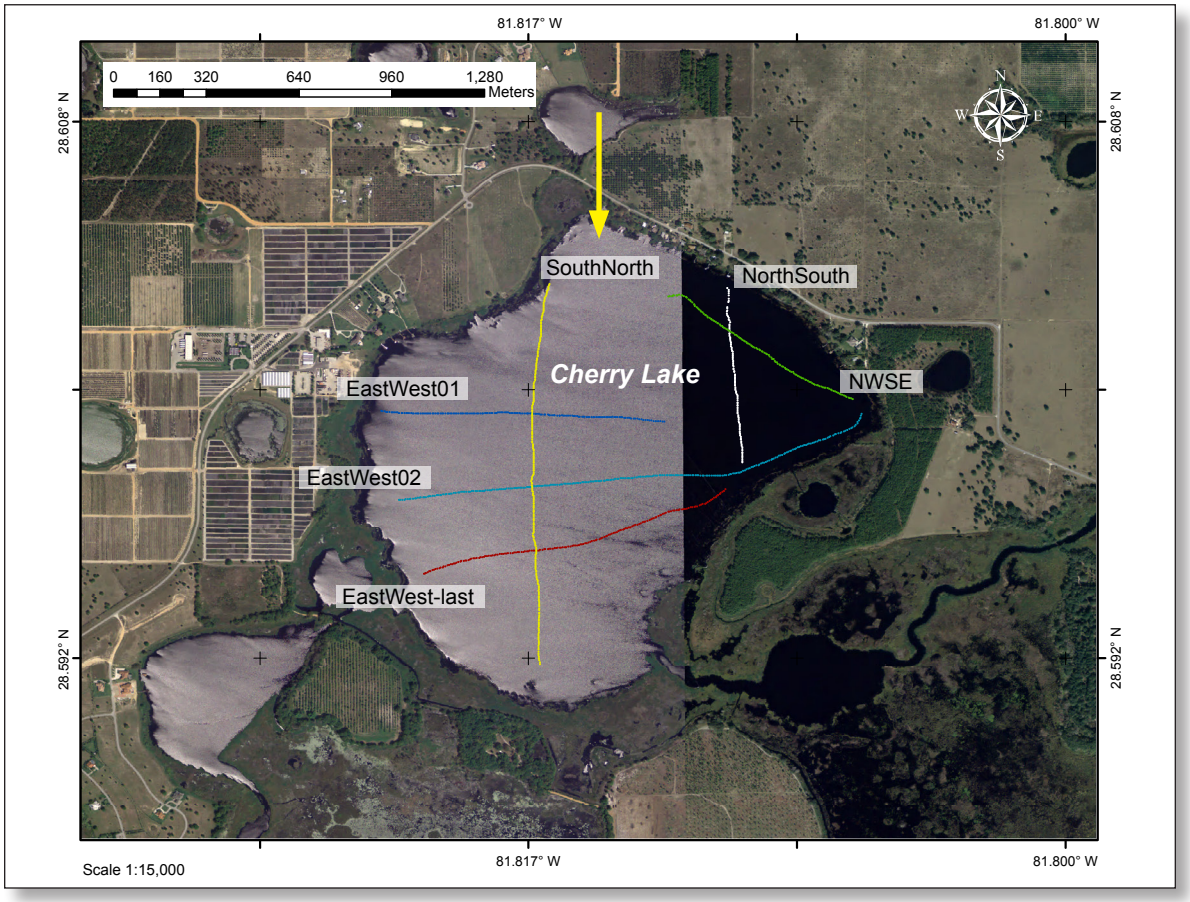

Cherry Lake–North-South
North
South
Distance, in meters
7583
7674
7728
7782
7835
7894
7947
8002
8059
8104
Depth, in meters below lake surface
0.0
6.2
12.3
18.5
24.7
lake bottom
Ohm-m
293
172
102
60.0
35.3


81.817° W
81.800° W
28.608° N
28.592° N
0 160 320 640 960 1,280
Meters
N
W
E
S
SouthNorth
NorthSouth
Cherry Lake
EastWest01
NWSE
EastWest02
EastWest-last
Scale 1:15,000

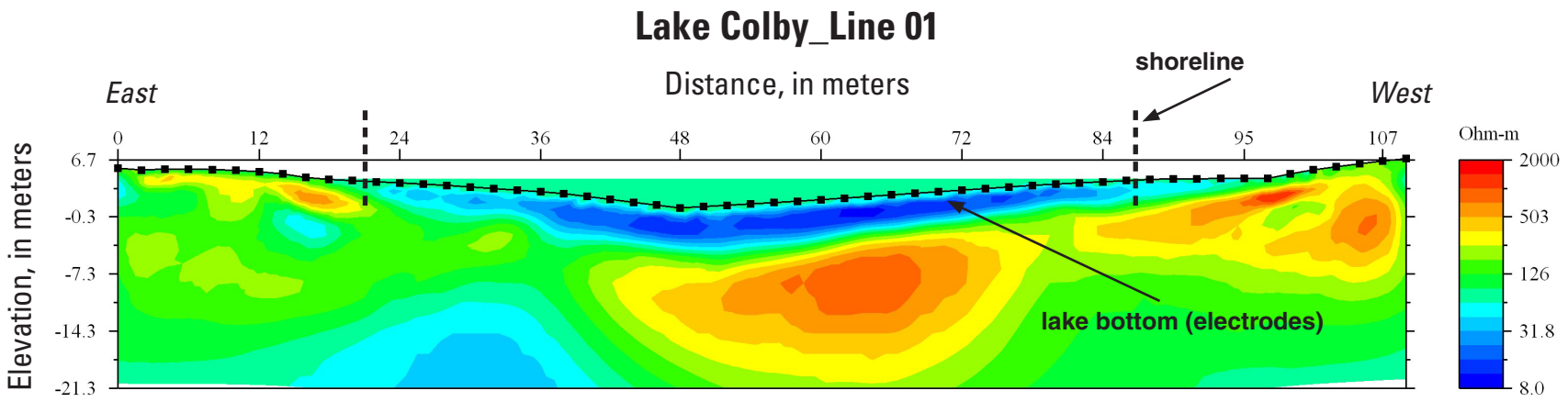

Cherry Lake–NW-SE
Northwest
Southeast
Distance, in meters
2495
2590
2651
2729
2784
2840
2896
2961
3023
3083
3174
Depth, in meters below lake surface
0.0
6.2
12.3
18.5
24.7
lake bottom
Ohm-m
257
169
110
72
47.3

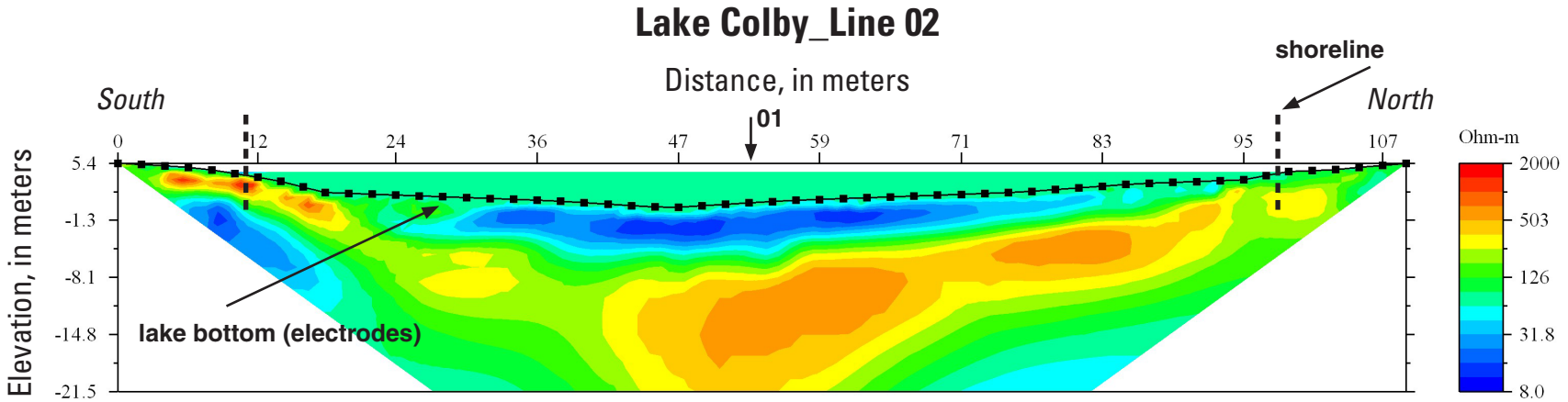

81.817° W
81.800° W
28.608° N
28.592° N
0 160 320 640 960 1,280
Meters
N
W
E
S
SouthNorth
NorthSouth
Cherry Lake
NWSE
EastWest01
EastWest02
EastWest-last
Scale 1:15,000


Cherry Lake–South-North
South
North
Distance, in meters
5652
5837
5991
6112
6224
6340
6449
6565
6702
6810
Depth, in meters below lake surface
0.0
6.2
12.3
18.5
24.7
lake bottom
Ohm-m
399
196
96
47.3
23.2

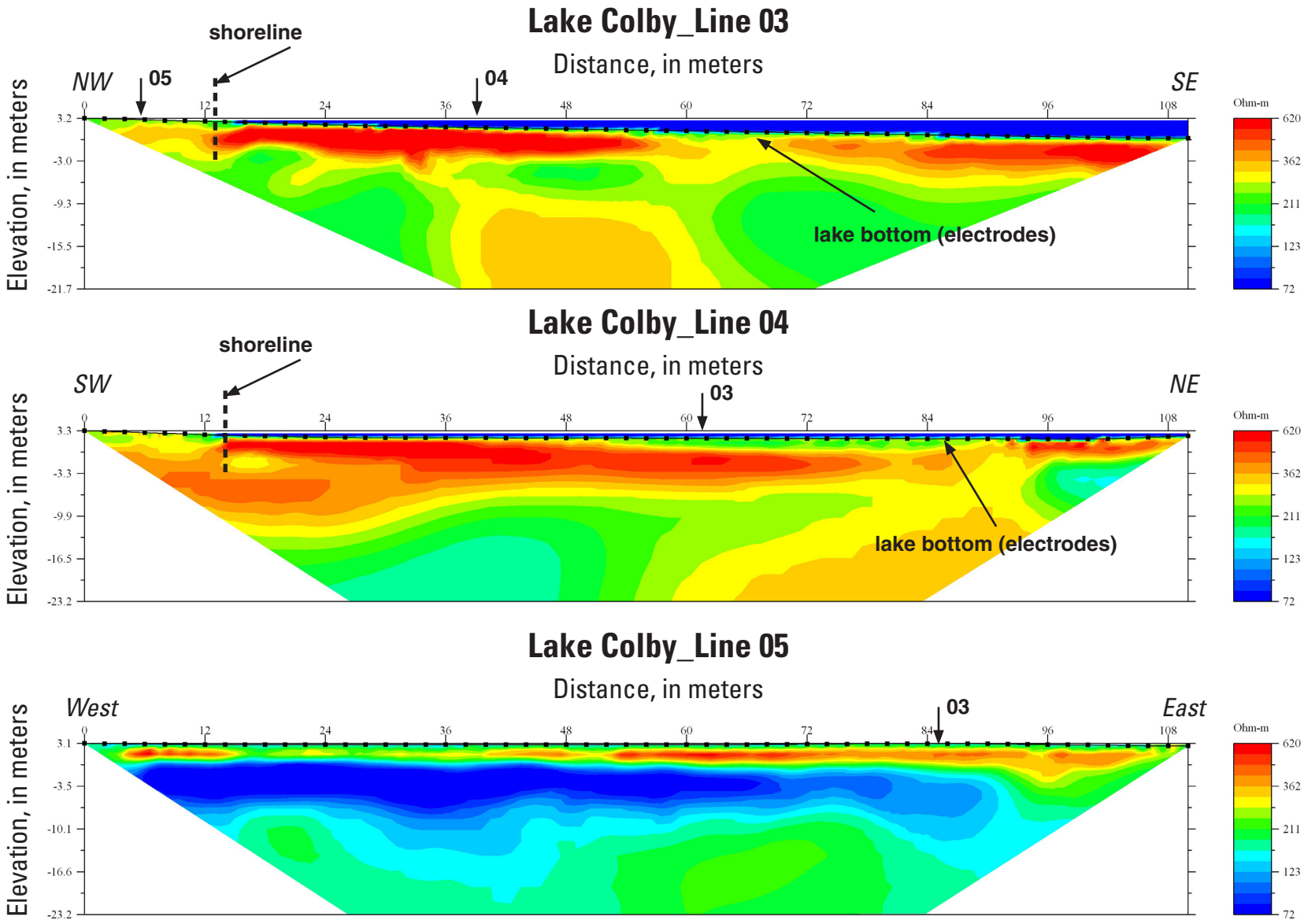

81.817° W
81.800° W
28.608° N
28.592° N
0 160 320 640 960 1,280
Meters
N
W
E
S
SouthNorth
NorthSouth
Cherry Lake
EastWest01
NWSE
EastWest02
EastWest-last
Scale 1:15,000

Land-Based Resistivity Profiles



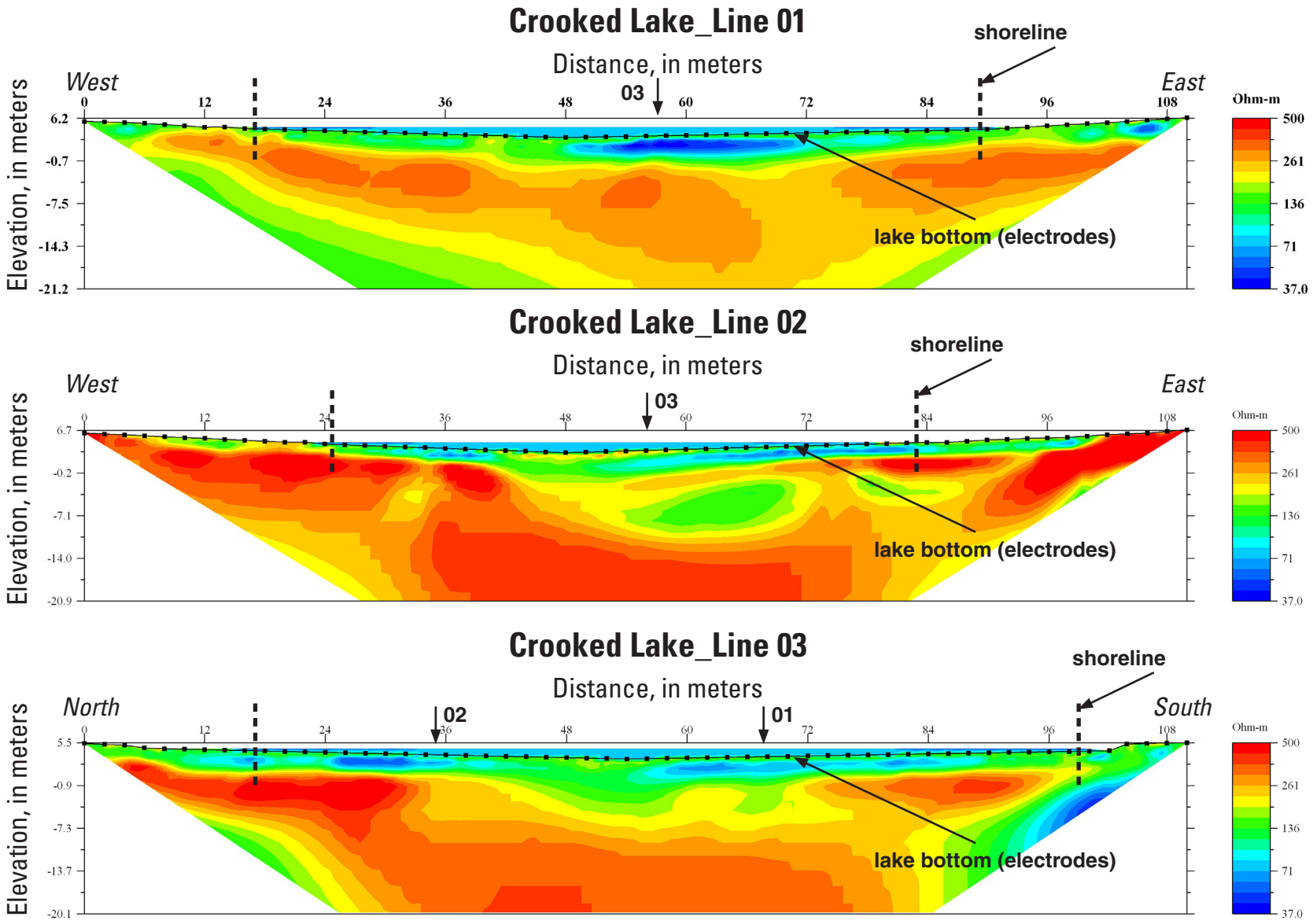


01
↓ **Position of line intersection**


Lake Colby_Line 03
shoreline
NW
05
04
SE
Distance, in meters
Elevation, in meters
3.2
-3.0
-9.3
-15.5
-21.7
0
12
24
36
48
60
72
84
96
108
lake bottom (electrodes)
Ohm-m
620
362
211
123
72
Lake Colby_Line 04
shoreline
SW
03
NE
Distance, in meters
Elevation, in meters
3.3
-3.3
-9.9
-16.5
-23.2
lake bottom (electrodes)
Lake Colby_Line 05
West
03
East
Distance, in meters
Elevation, in meters
3.1
-3.5
-10.1
-16.6
-23.2
01
Position of line intersection

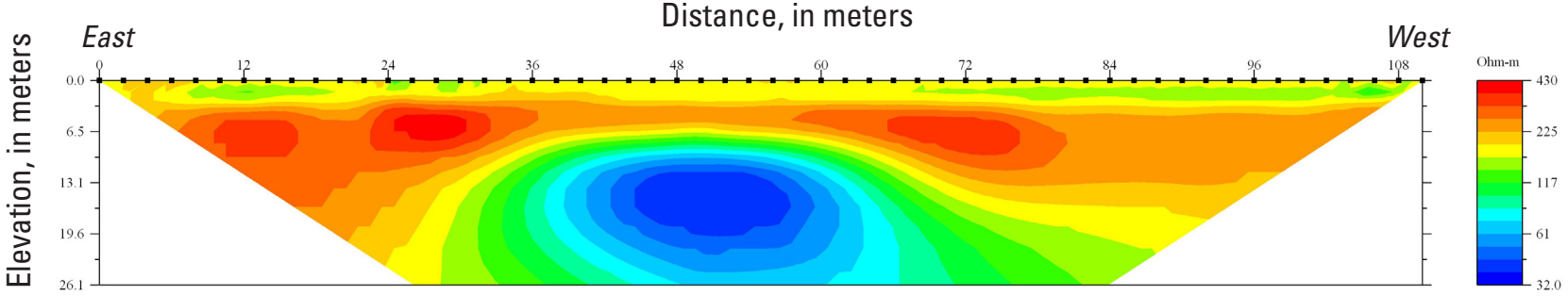
Land-Based Resistivity Profiles

Scale 1:10,000

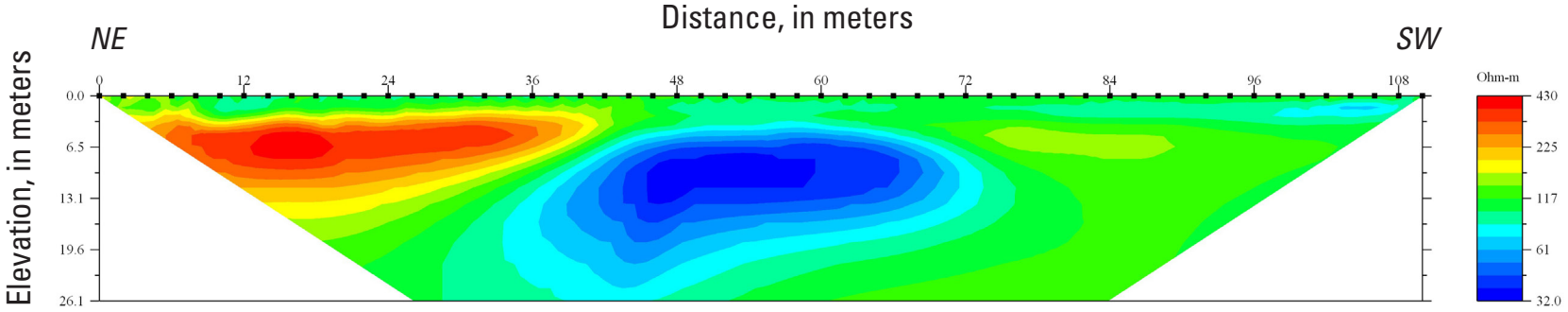


01 **Position of line intersection**

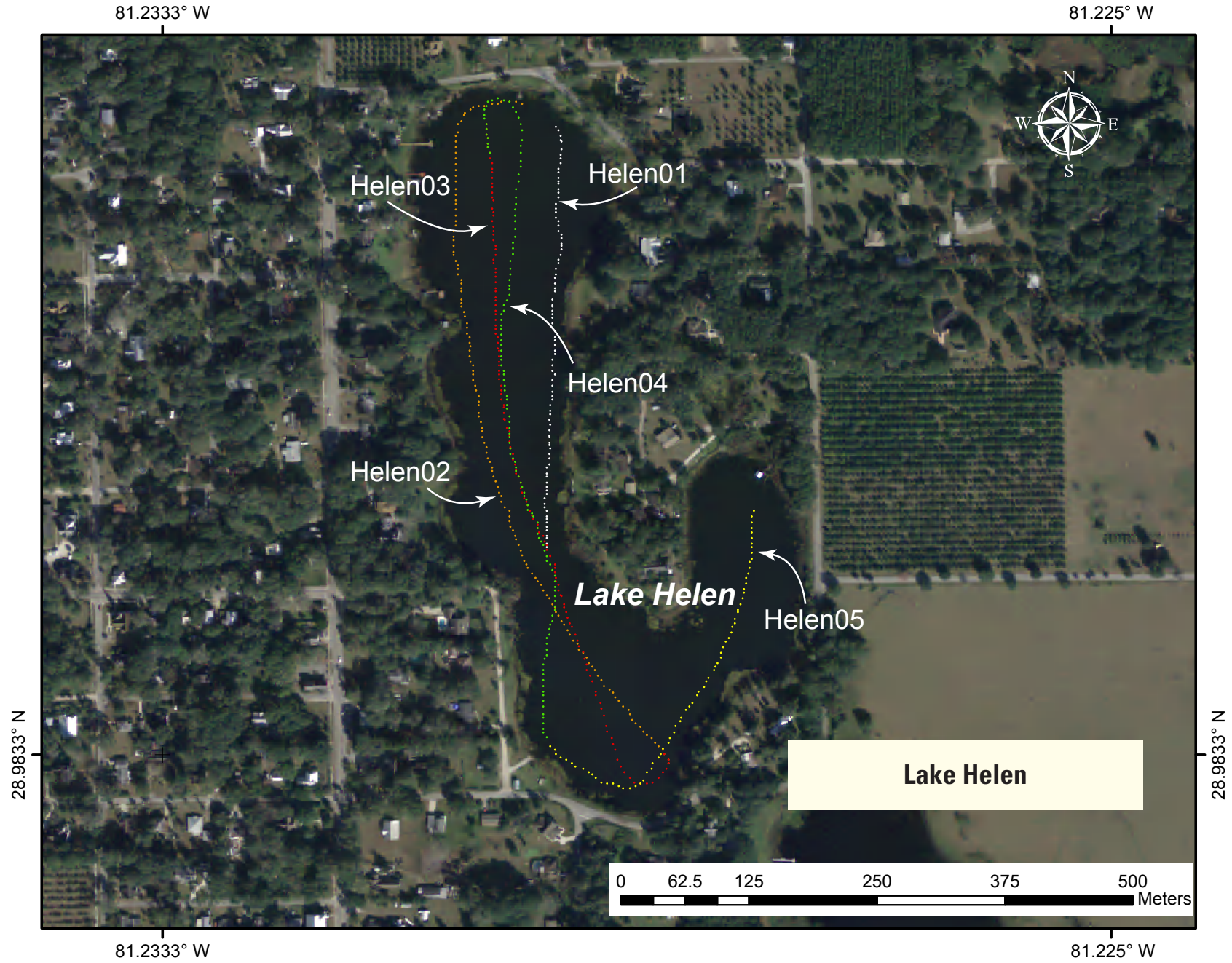
Crooked Lake_Line 04



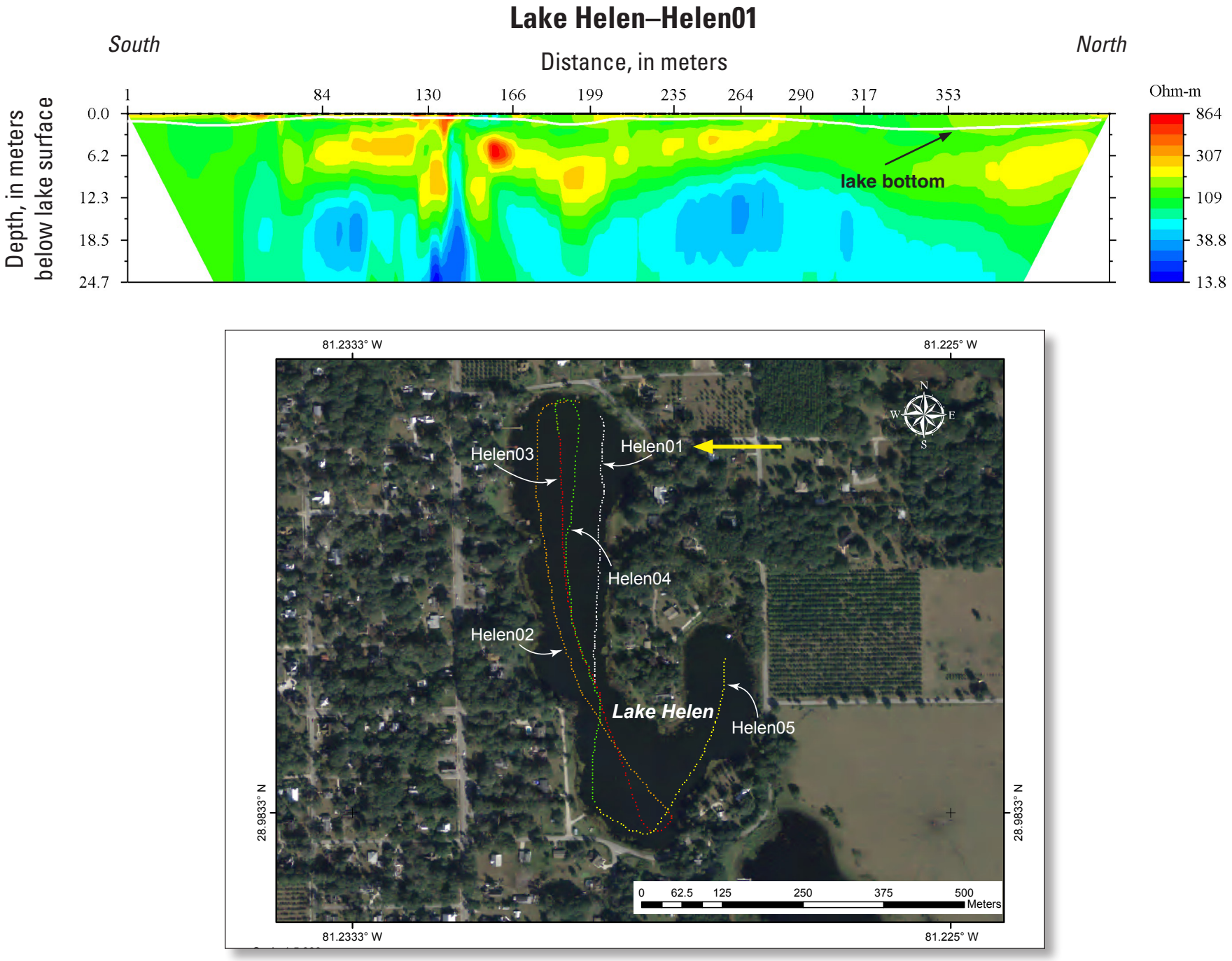
Crooked Lake_Line 05

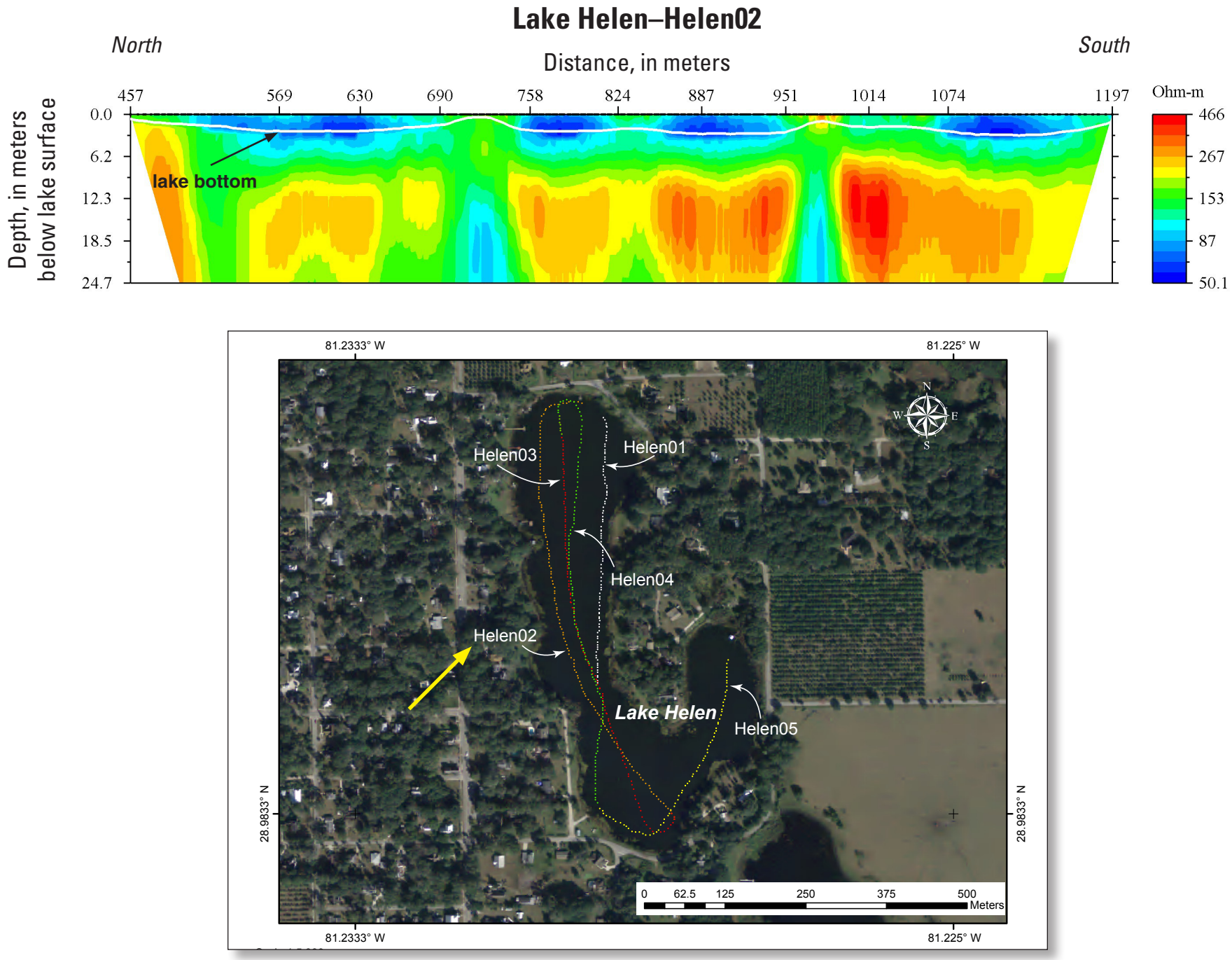


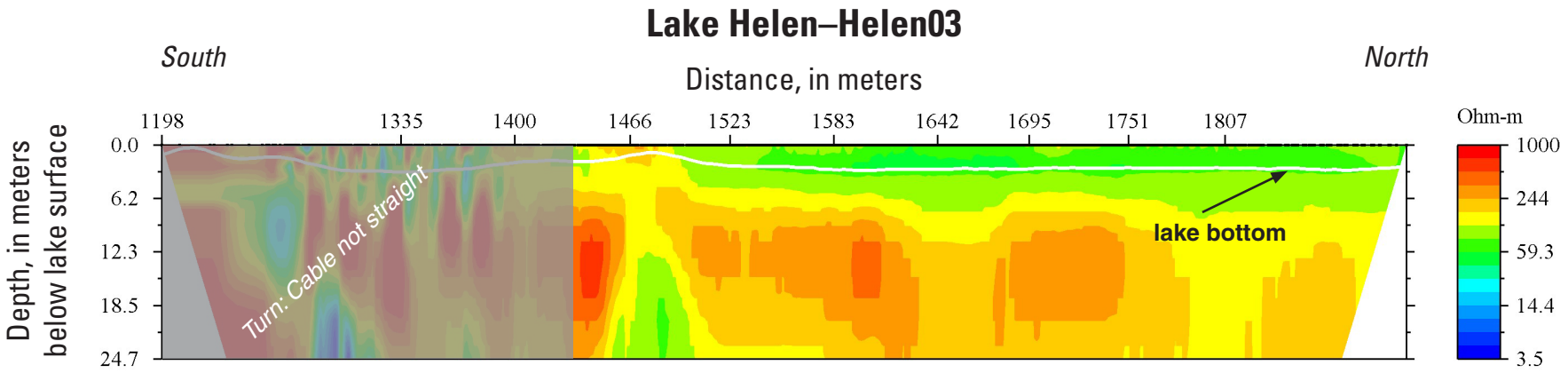
Continuous Resistivity Profiles

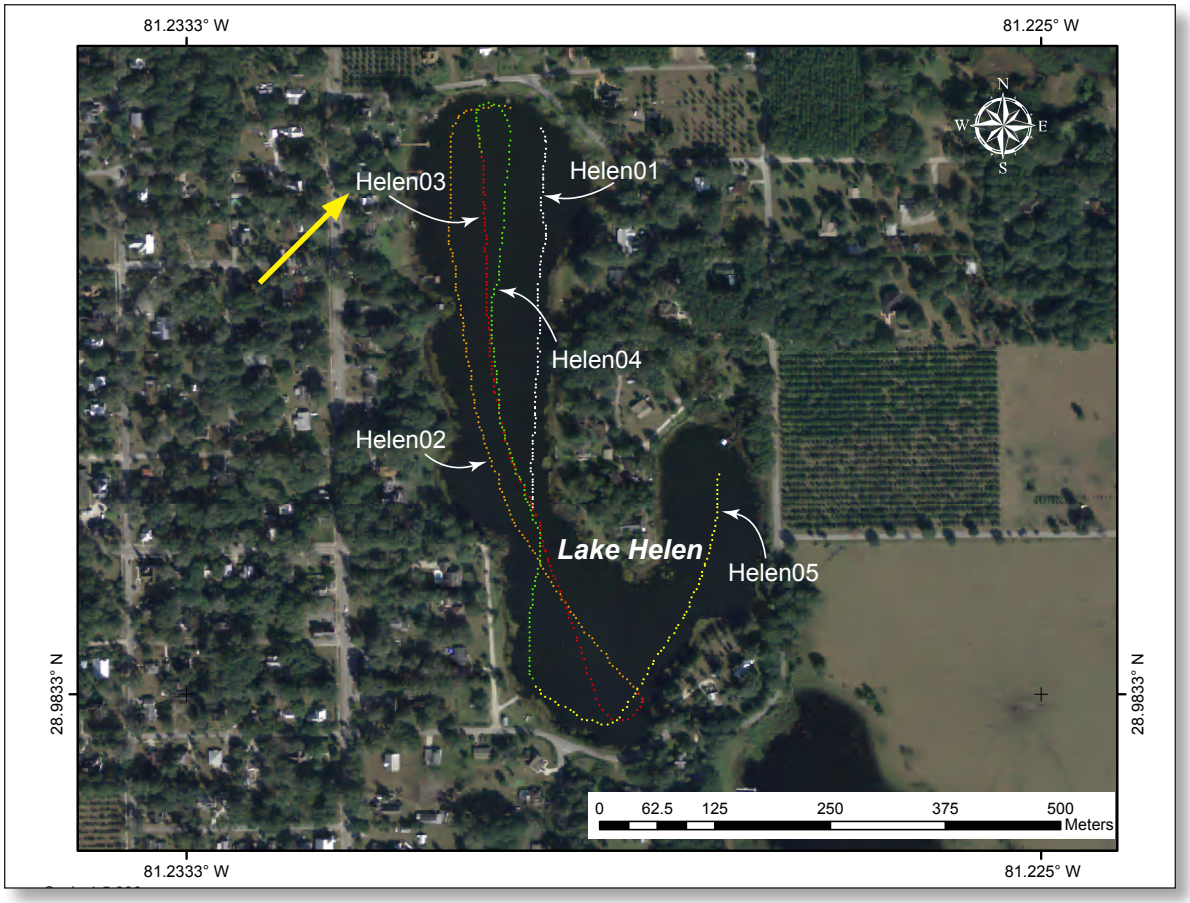


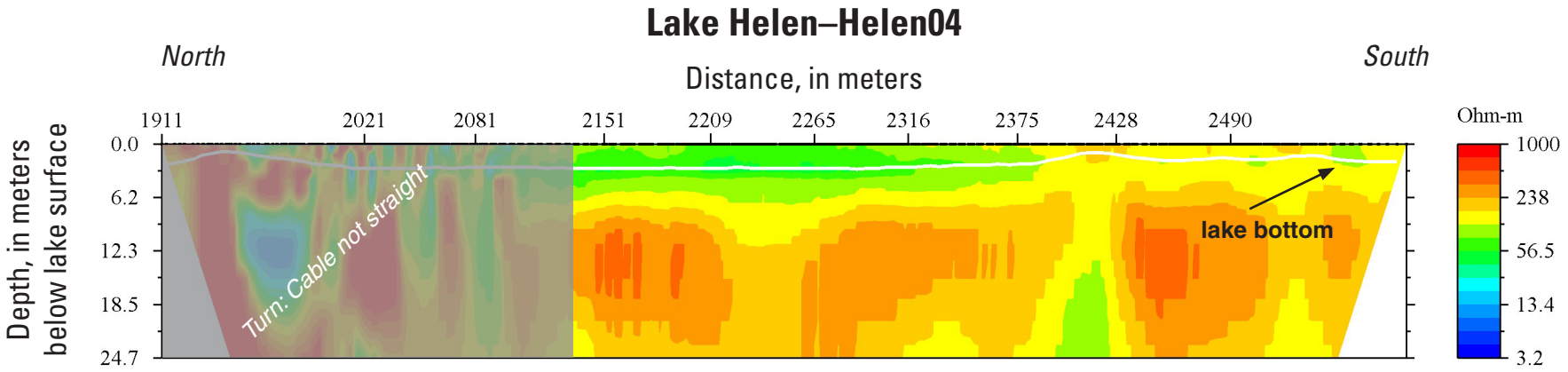
Scale 1:5,000

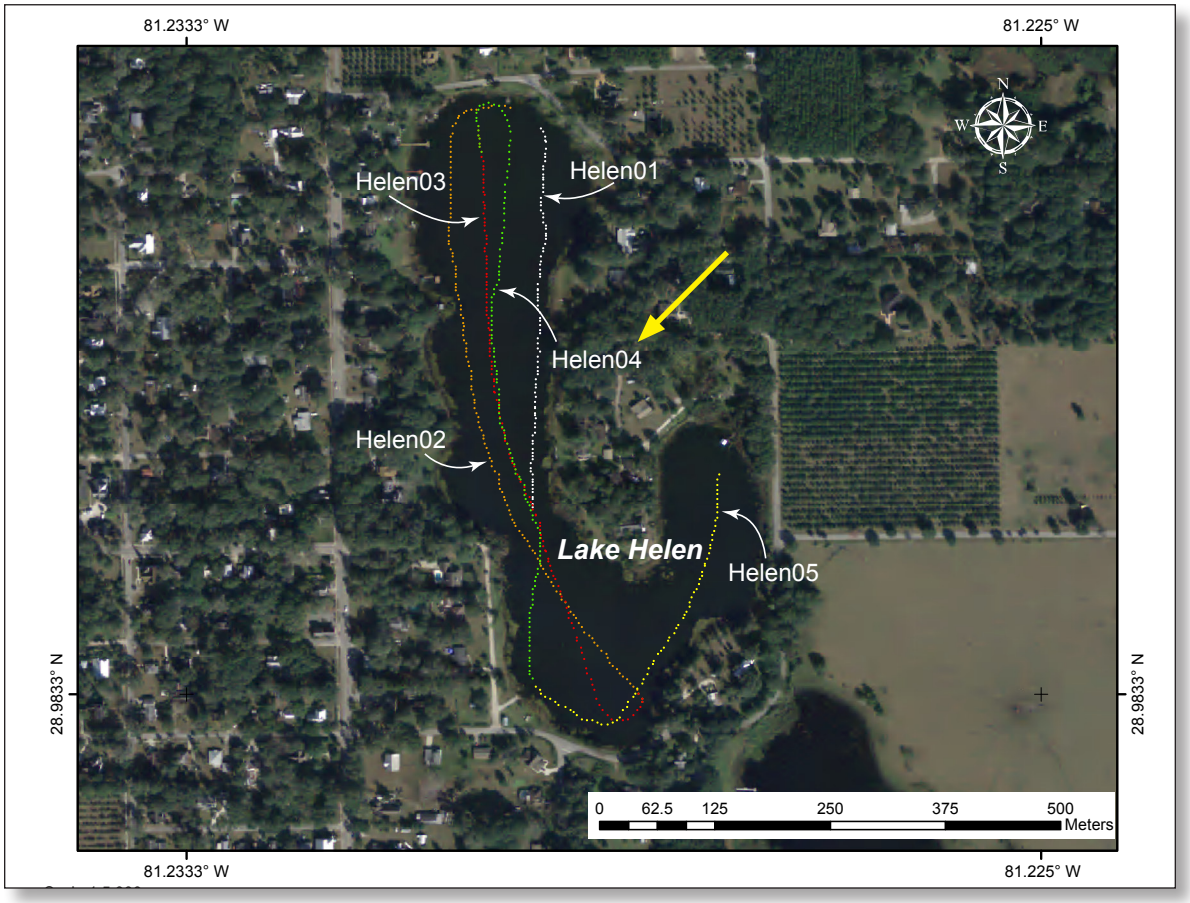

Lake Helen–Helen01
South
North
Distance, in meters
1
84
130
166
199
235
264
290
317
353
Depth, in meters below lake surface
0.0
6.2
12.3
18.5
24.7
lake bottom
Ohm-m
864
307
109
38.8
13.8
81.2333° W
81.225° W
28.9833° N
N
W
E
S
Helen03
Helen01
Helen04
Helen02
Lake Helen
Helen05
0
62.5
125
250
375
500
Meters


Lake Helen–Helen02
North
South
Distance, in meters
457
569
630
690
758
824
887
951
1014
1074
1197
Depth, in meters below lake surface
0.0
6.2
12.3
18.5
24.7
lake bottom
Ohm-m
466
267
153
87
50.1
81.2333° W
81.225° W
28.9833° N
Helen03
Helen01
Helen04
Helen02
Lake Helen
Helen05
N
W
E
S
0
62.5
125
250
375
500
Meters

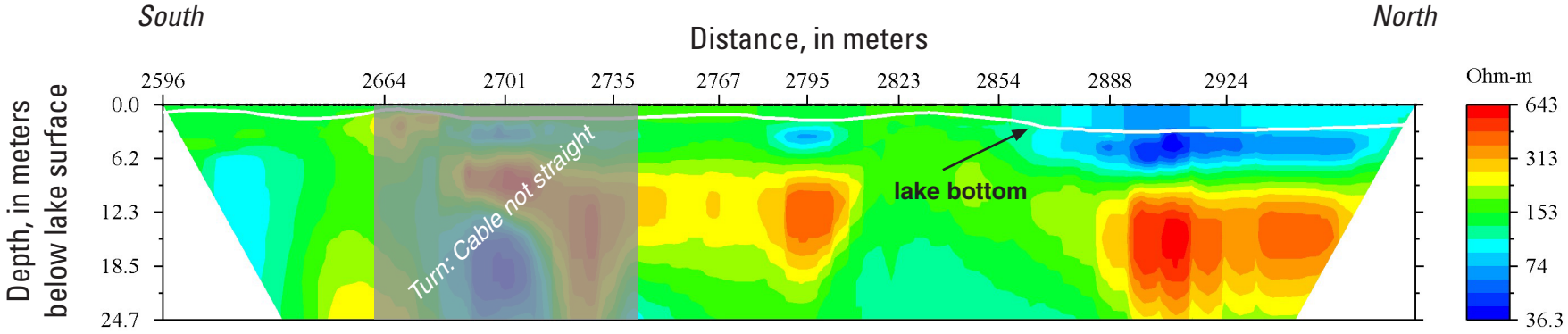

Lake Helen–Helen03
South
North
Distance, in meters
1198
1335
1400
1466
1523
1583
1642
1695
1751
1807
Depth, in meters below lake surface
0.0
6.2
12.3
18.5
24.7
Turn: Cable not straight
lake bottom
Ohm-m
1000
244
59.3
14.4
3.5

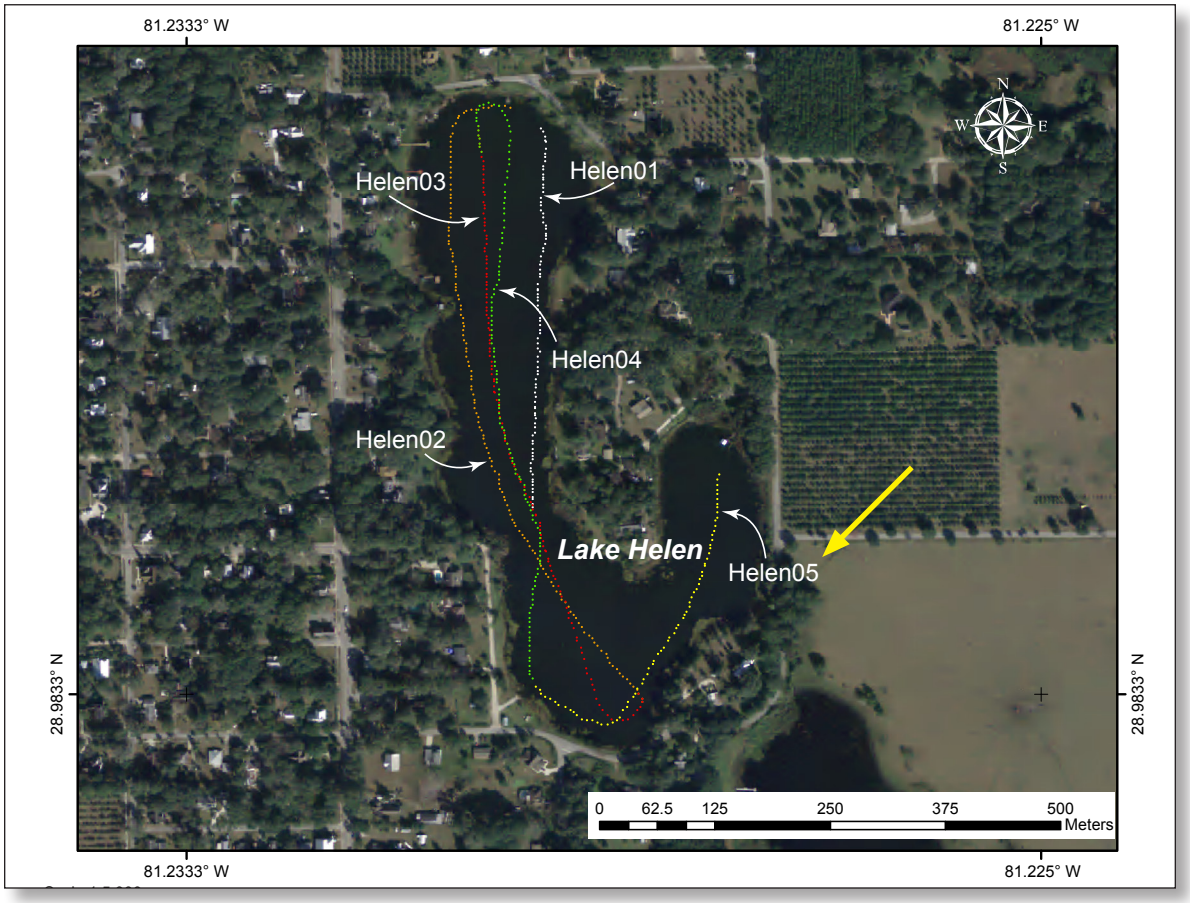

81.2333° W
81.225° W
28.9833° N
Helen03
Helen01
Helen04
Helen02
Lake Helen
Helen05
N
W
E
S
0
62.5
125
250
375
500
Meters


Lake Helen–Helen04
North
South
Distance, in meters
1911
2021
2081
2151
2209
2265
2316
2375
2428
2490
Depth, in meters below lake surface
0.0
6.2
12.3
18.5
24.7
Turn: Cable not straight
lake bottom
Ohm-m
1000
238
56.5
13.4
3.2

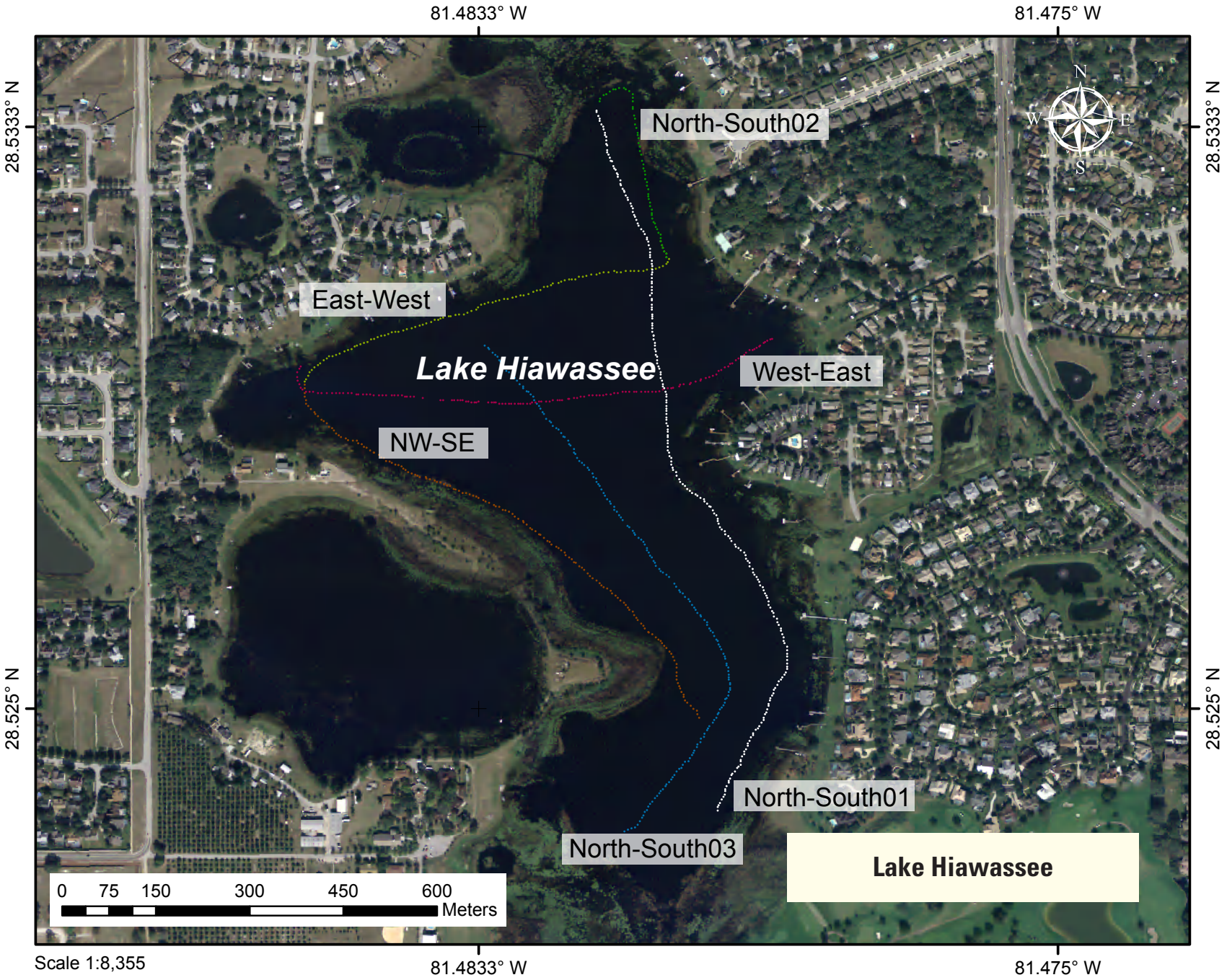

81.2333° W
81.225° W
28.9833° N
N
W
E
S
Helen03
Helen01
Helen04
Helen02
Lake Helen
Helen05
0
62.5
125
250
375
500
Meters

Lake Helen–Helen05

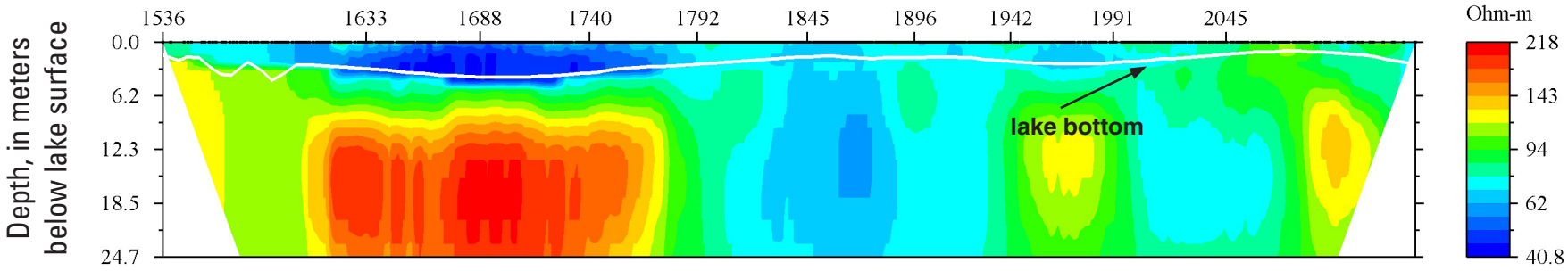


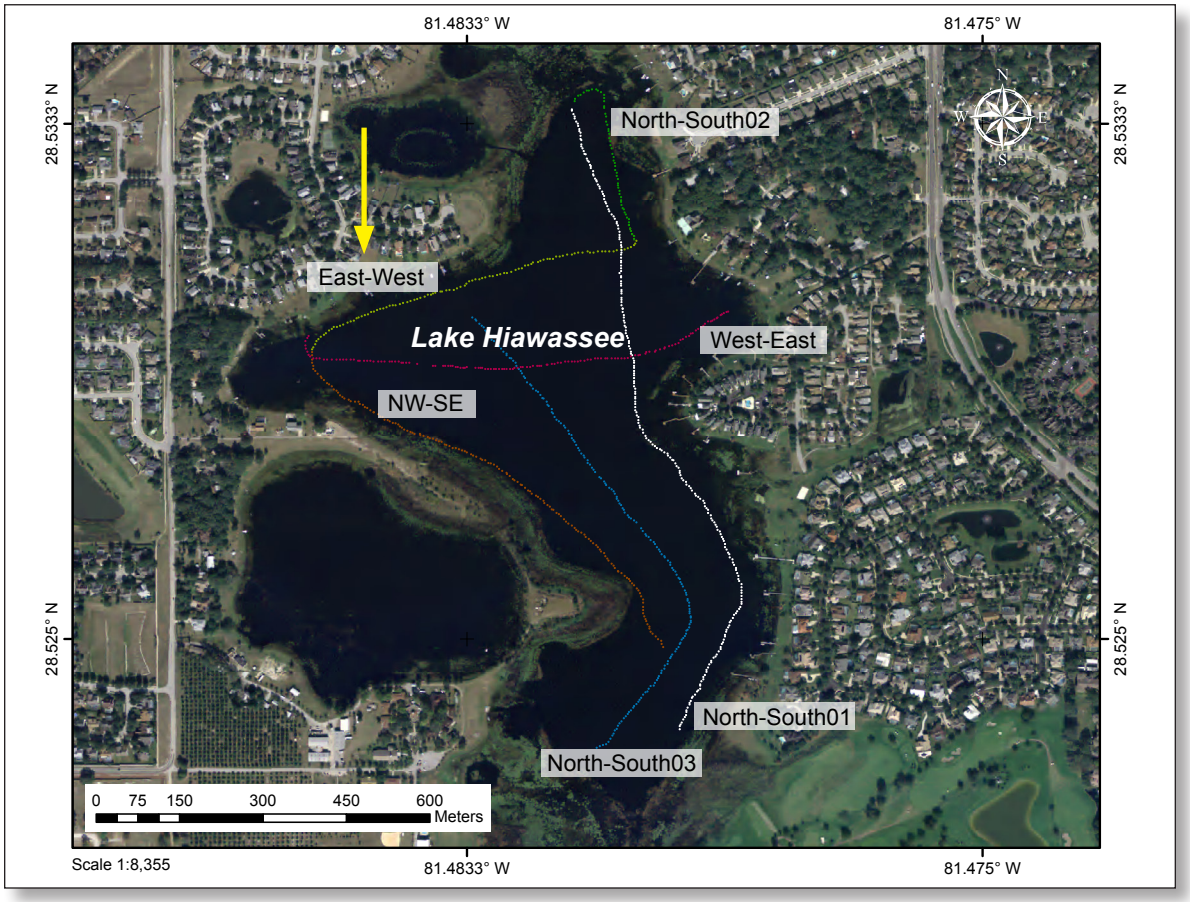


Continuous Resistivity Profiles

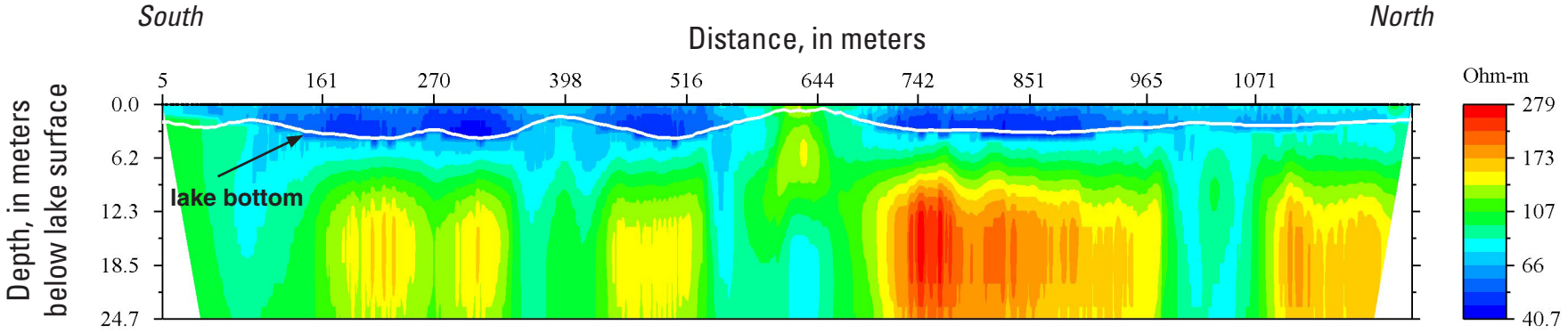


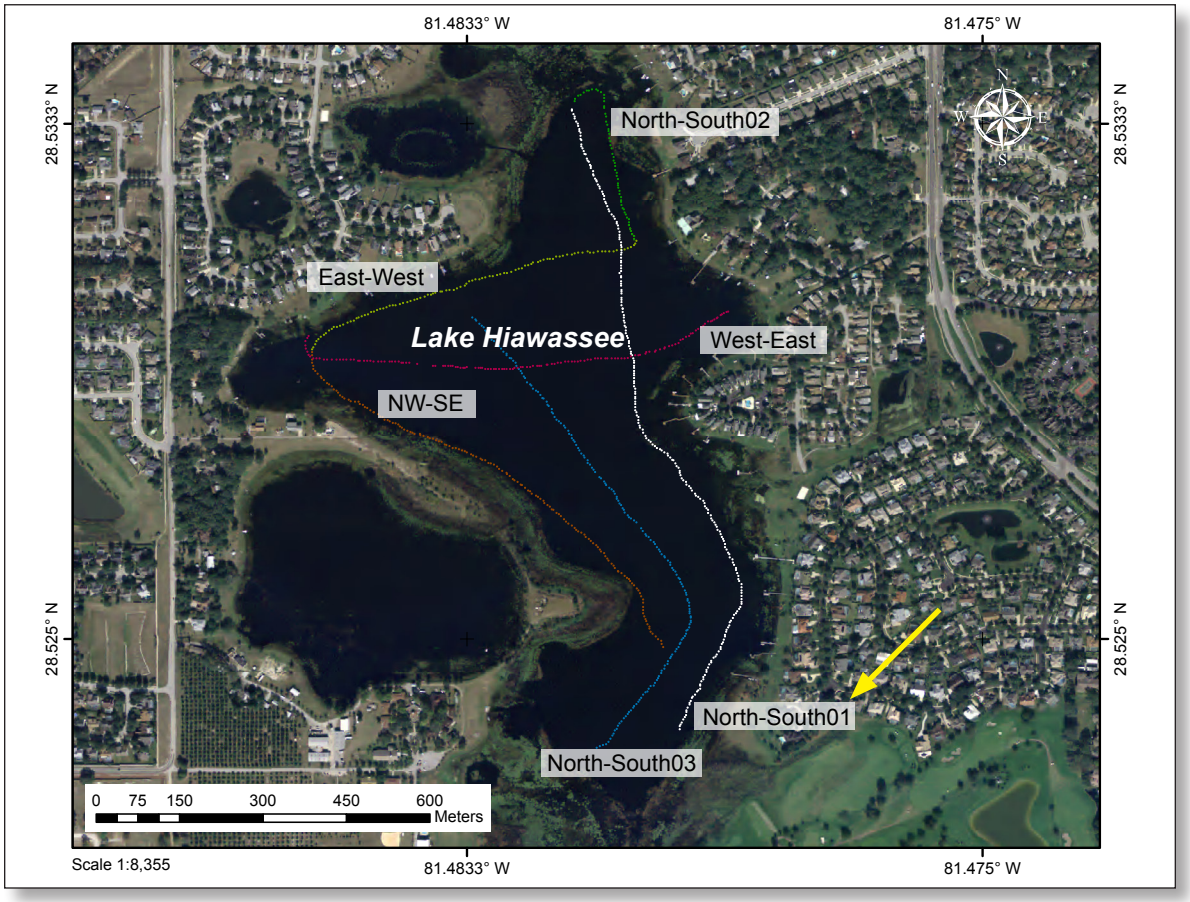
Lake Hiawassee–East-West



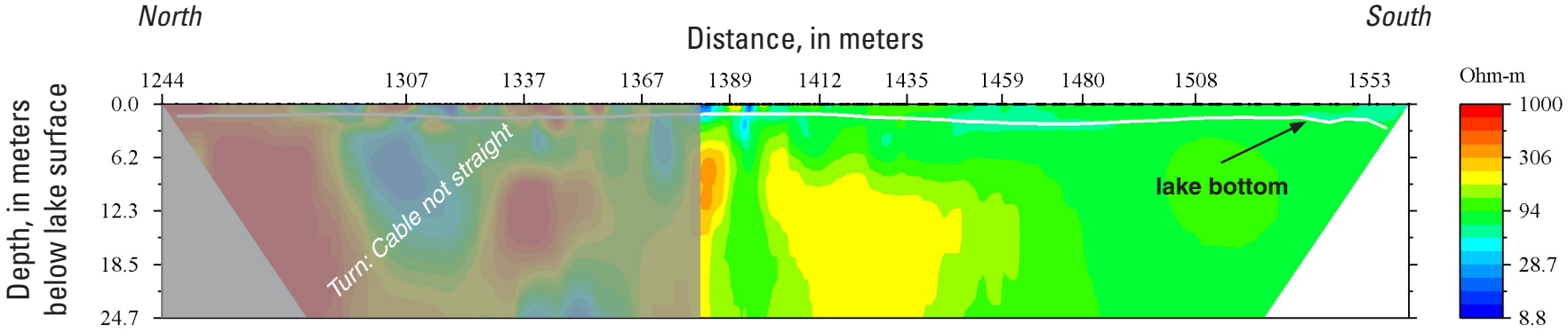


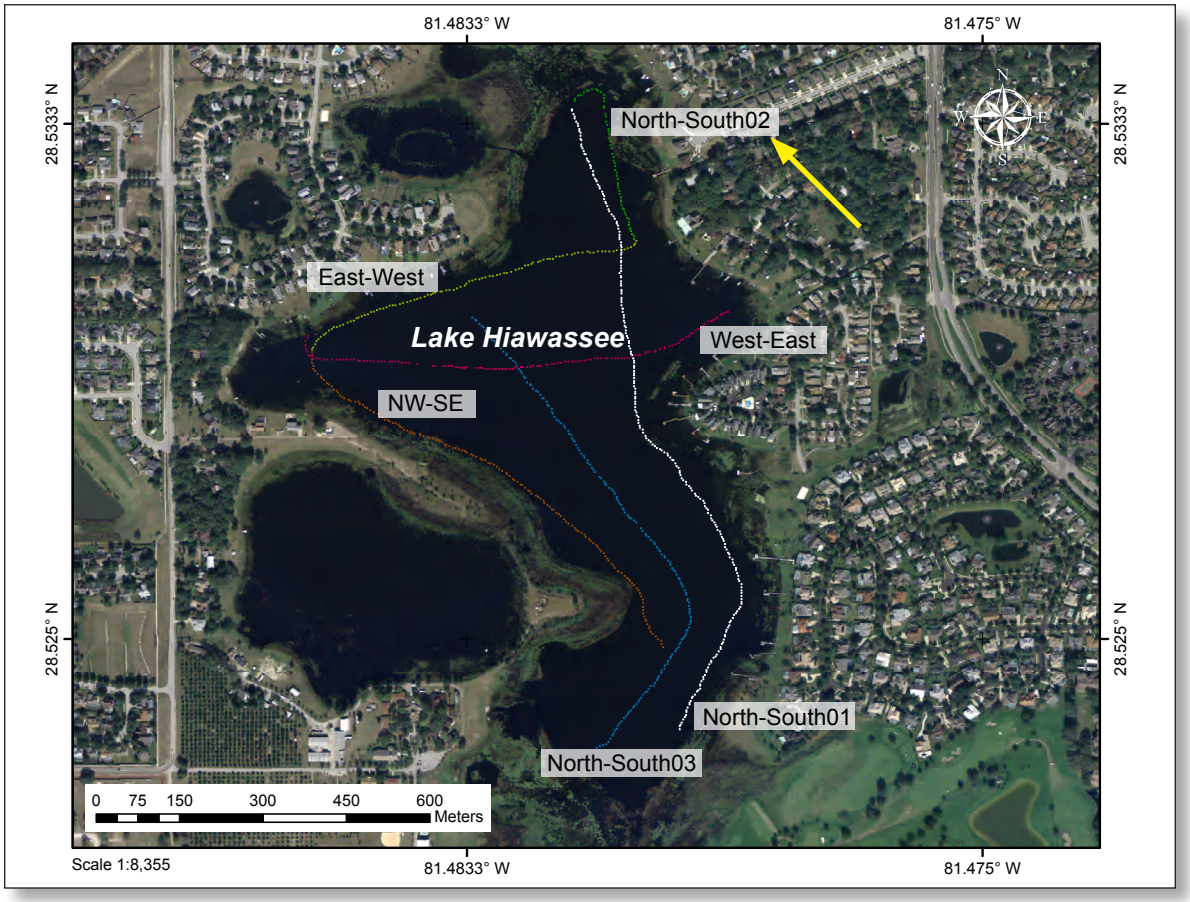
Lake Hiawassee–North-South01



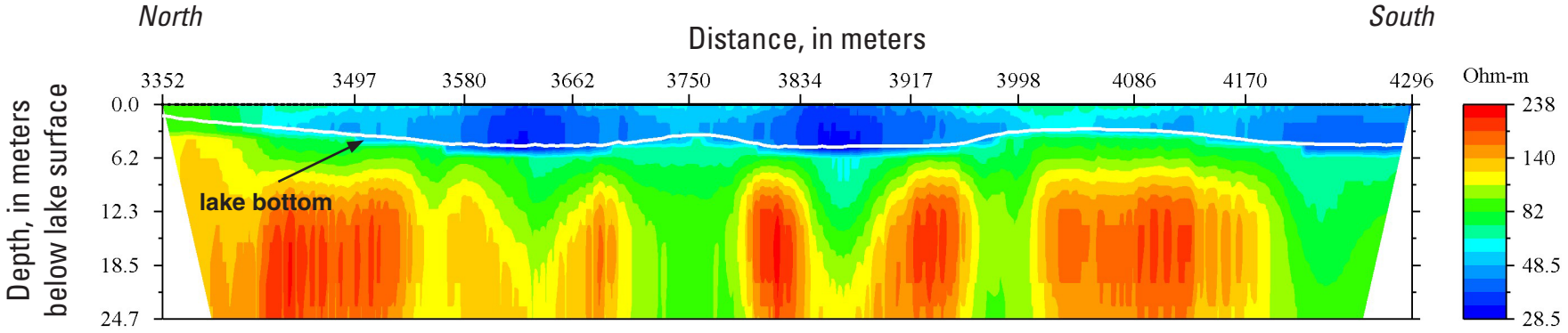


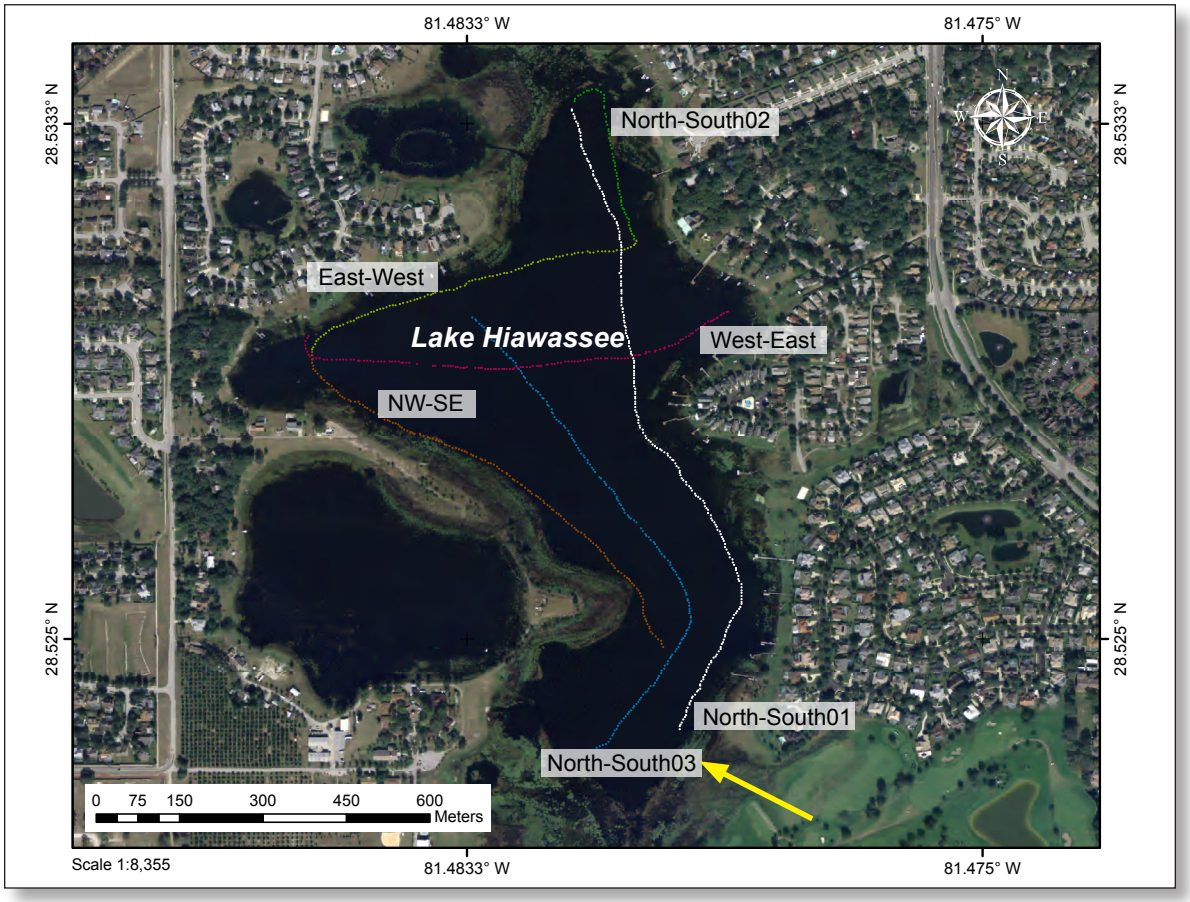
Lake Hiawassee–North-South02

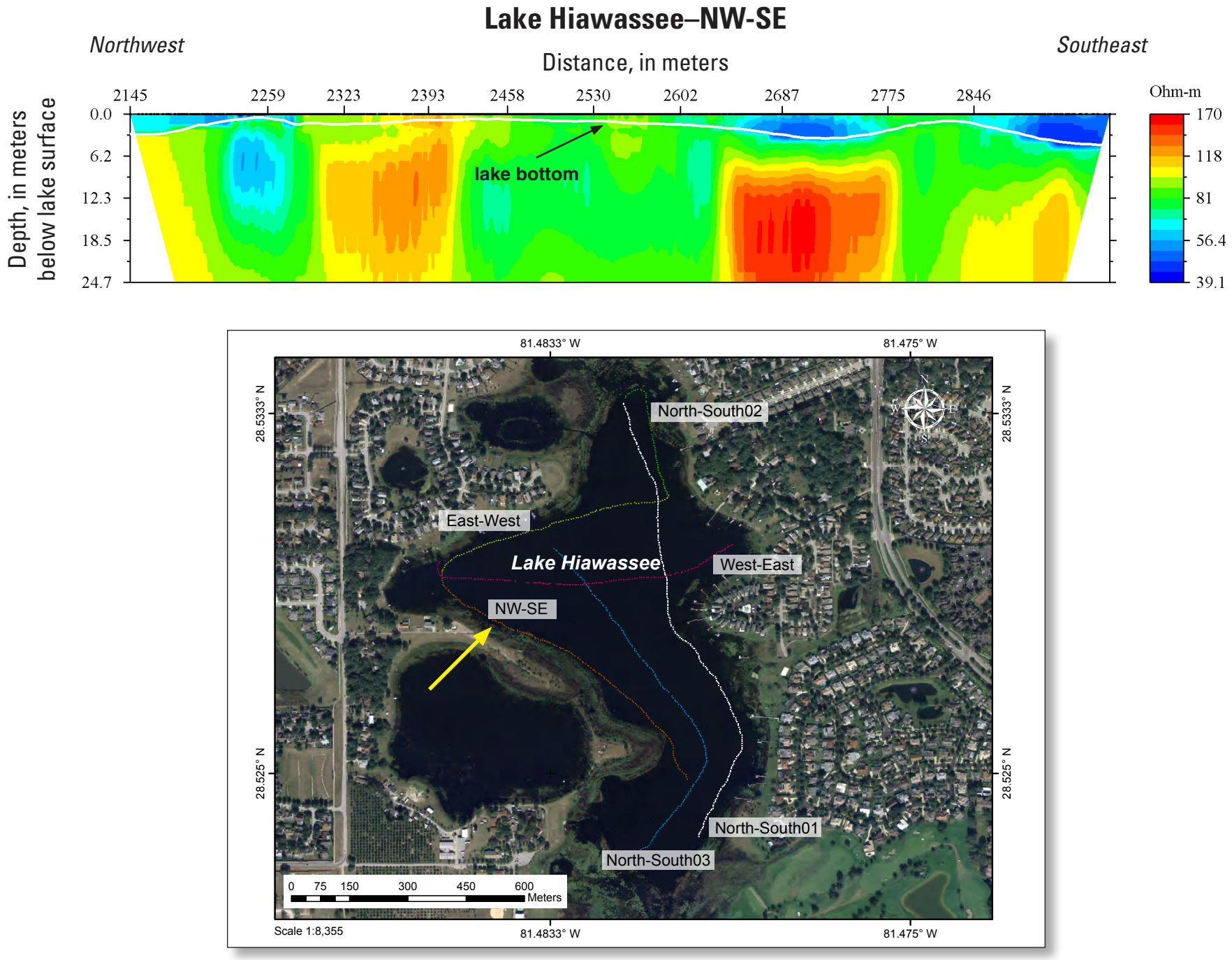


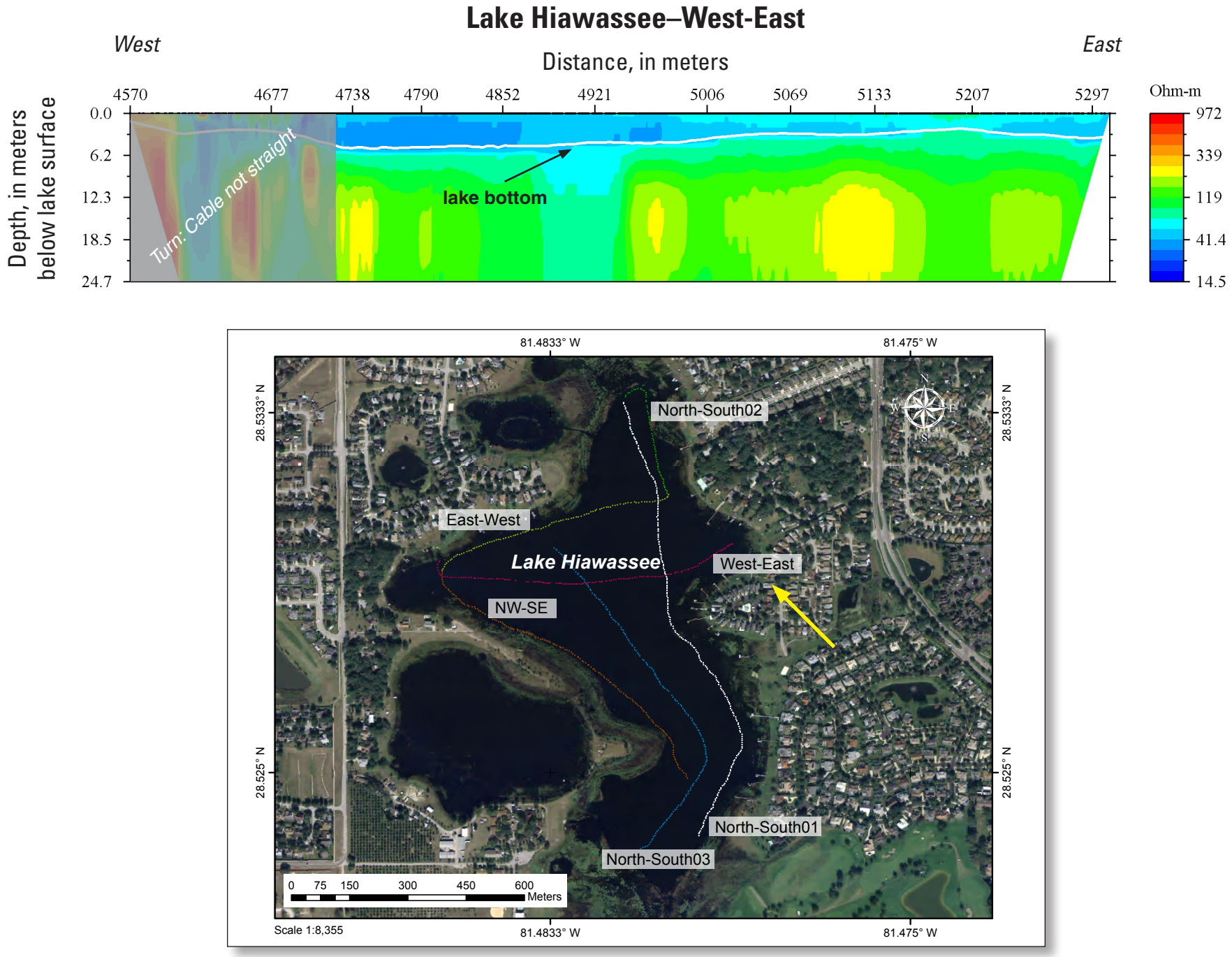


Lake Hiawassee–North-South03

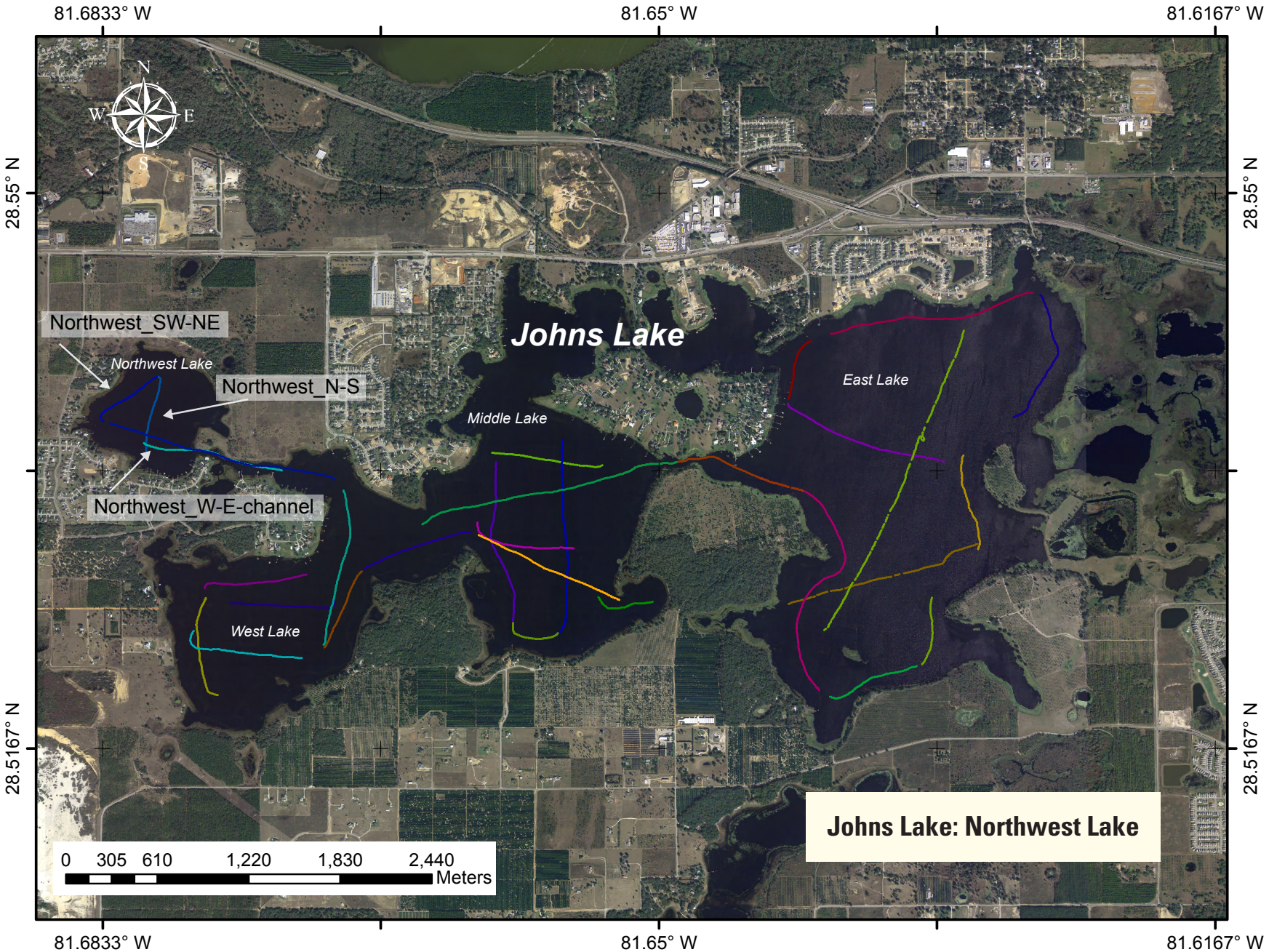




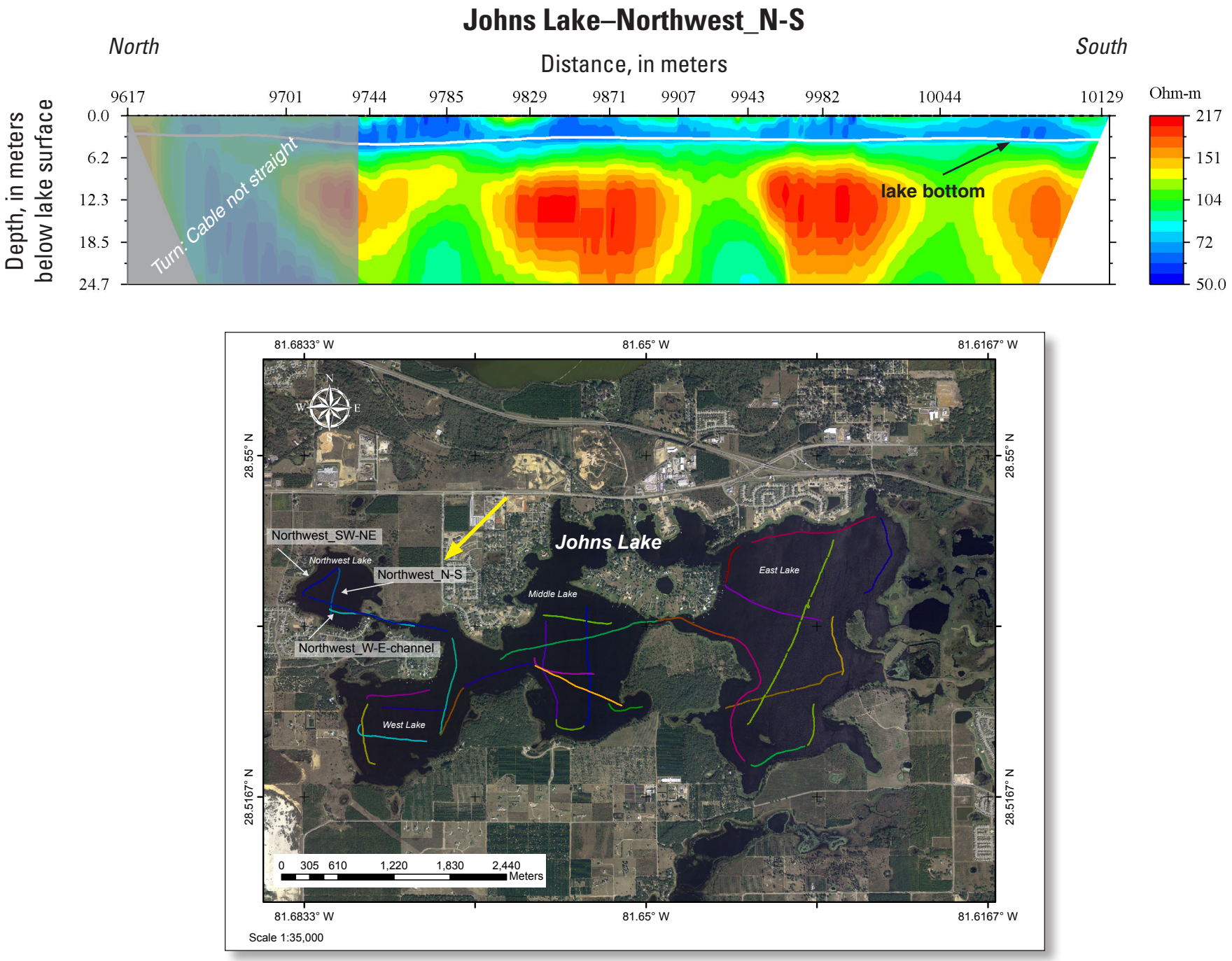

Lake Hiawassee–NW-SE
Northwest
Southeast
Distance, in meters
2145
2259
2323
2393
2458
2530
2602
2687
2775
2846
Depth, in meters below lake surface
0.0
6.2
12.3
18.5
24.7
lake bottom
Ohm-m
170
118
81
56.4
39.1
81.4833° W
81.475° W
28.5333° N
28.525° N
North-South02
East-West
Lake Hiawassee
West-East
NW-SE
North-South01
North-South03
0 75 150 300 450 600
Meters
Scale 1:8,355


Lake Hiawassee–West-East
West
East
Distance, in meters
4570
4677
4738
4790
4852
4921
5006
5069
5133
5207
5297
Depth, in meters below lake surface
0.0
6.2
12.3
18.5
24.7
Turn: Cable not straight
lake bottom
Ohm-m
972
339
119
41.4
14.5
81.4833° W
81.475° W
28.5333° N
28.525° N
North-South02
East-West
Lake Hiawassee
West-East
NW-SE
North-South01
North-South03
0 75 150 300 450 600
Meters
Scale 1:8,355

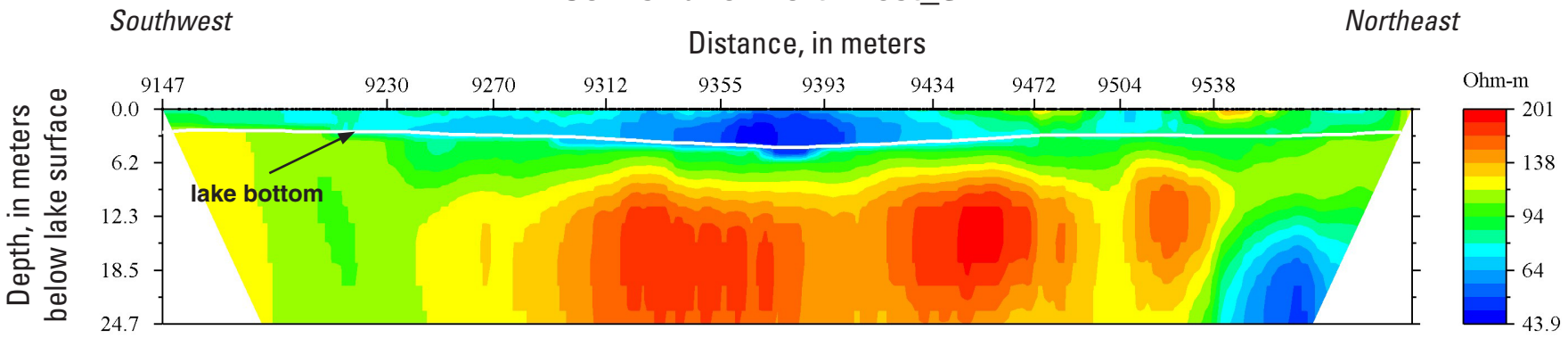
Continuous Resistivity Profiles

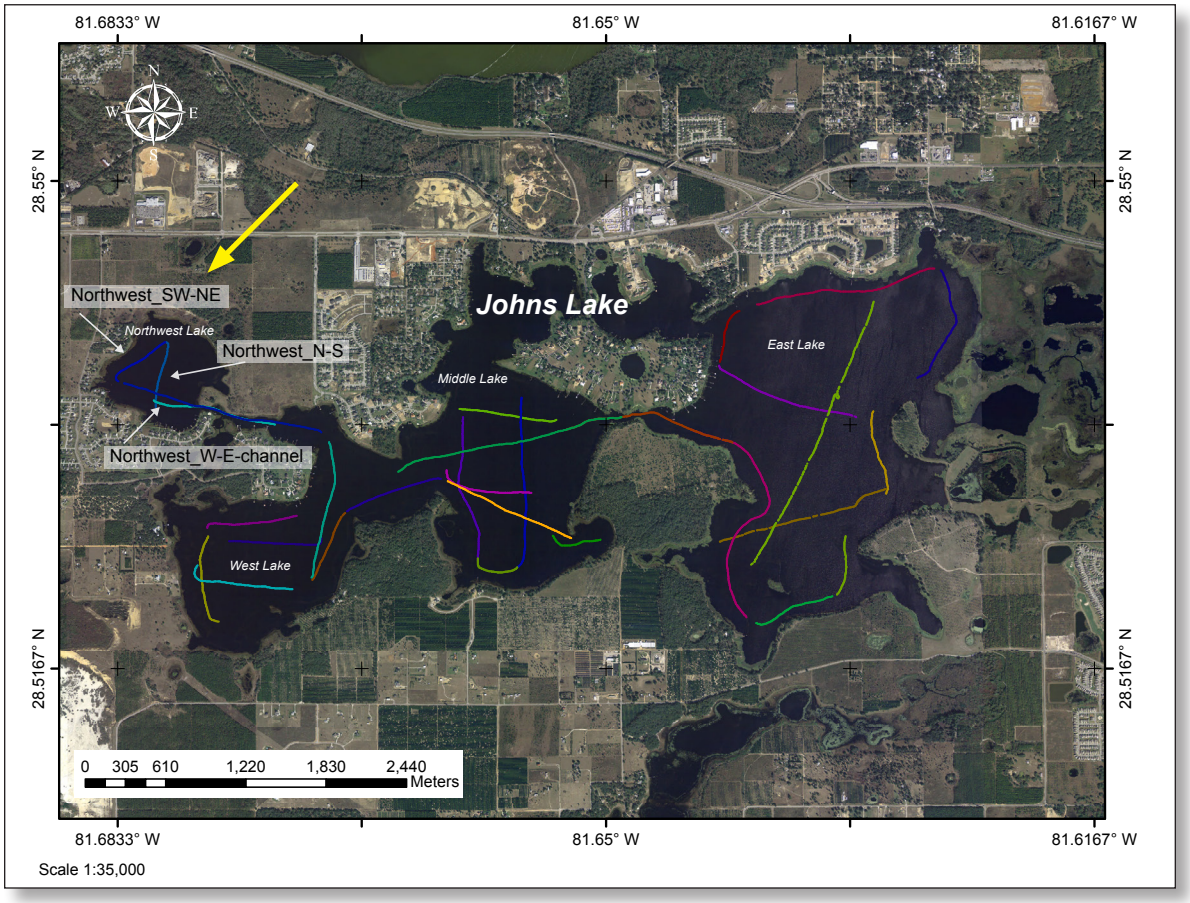


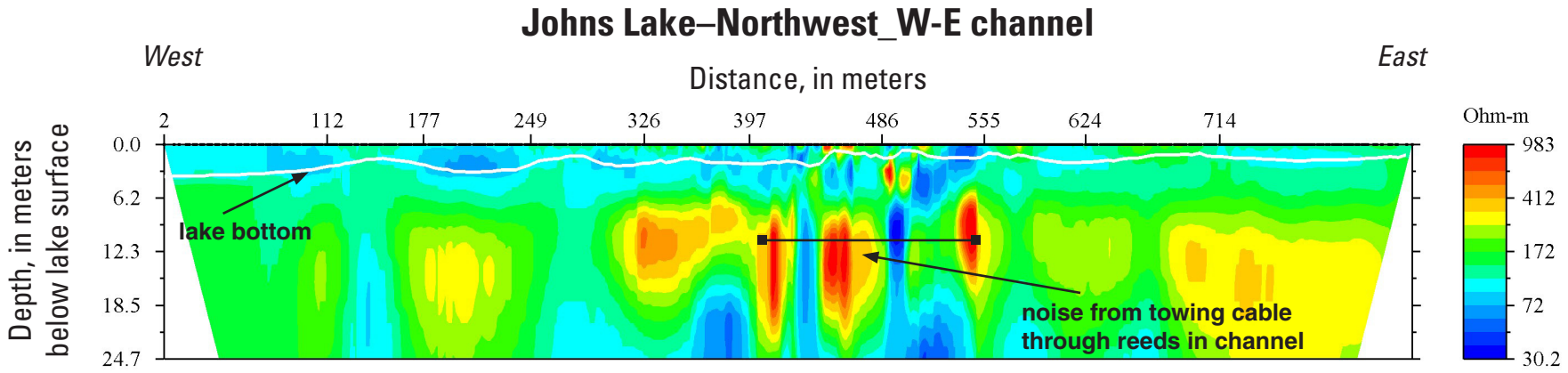
Scale 1:35,000

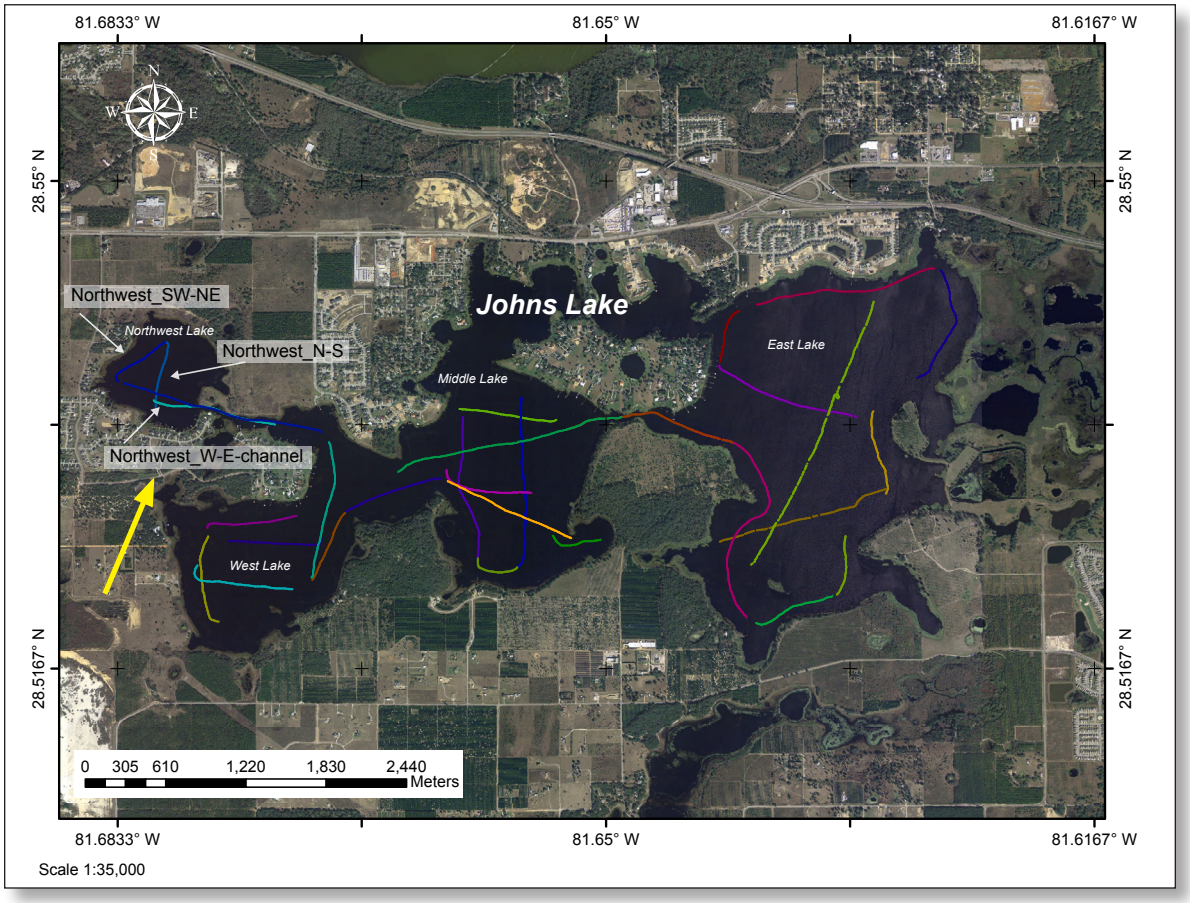

Johns Lake–Northwest_N-S
North
South
Distance, in meters
9617
9701
9744
9785
9829
9871
9907
9943
9982
10044
10129
Depth, in meters below lake surface
0.0
6.2
12.3
18.5
24.7
Turn: Cable not straight
lake bottom
Ohm-m
217
151
104
72
50.0
81.6833° W
81.65° W
81.6167° W
28.55° N
28.5167° N
Northwest_SW-NE
Northwest Lake
Northwest_N-S
Northwest_W-E-channel
Johns Lake
Middle Lake
East Lake
West Lake
0 305 610 1,220 1,830 2,440
Meters
Scale 1:35,000

Johns Lake–Northwest_SW-NE

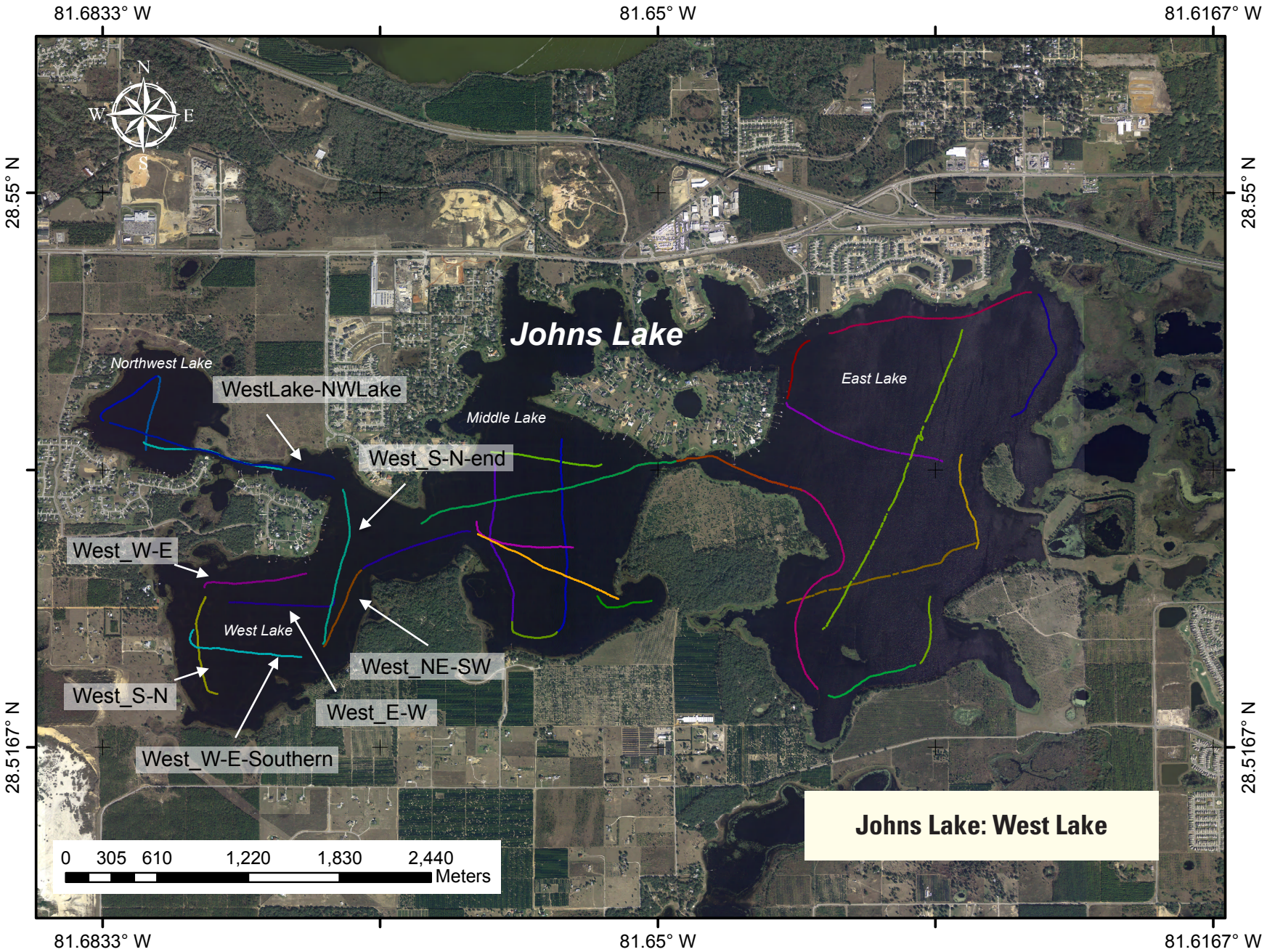




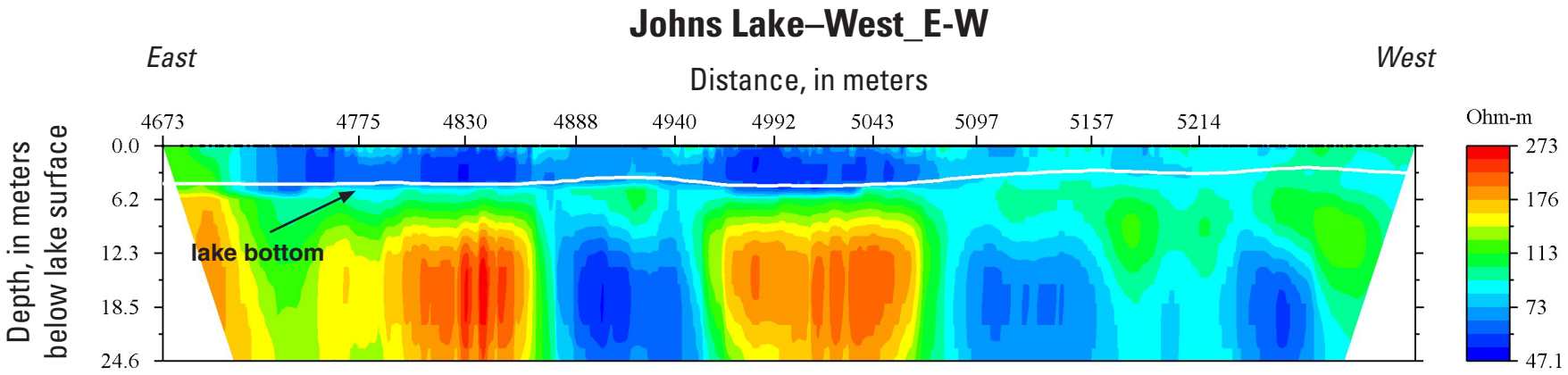

Johns Lake–Northwest_W-E channel
West
East
Distance, in meters
2
112
177
249
326
397
486
555
624
714
Depth, in meters below lake surface
0.0
6.2
12.3
18.5
24.7
lake bottom
noise from towing cable through reeds in channel
Ohm-m
983
412
172
72
30.2

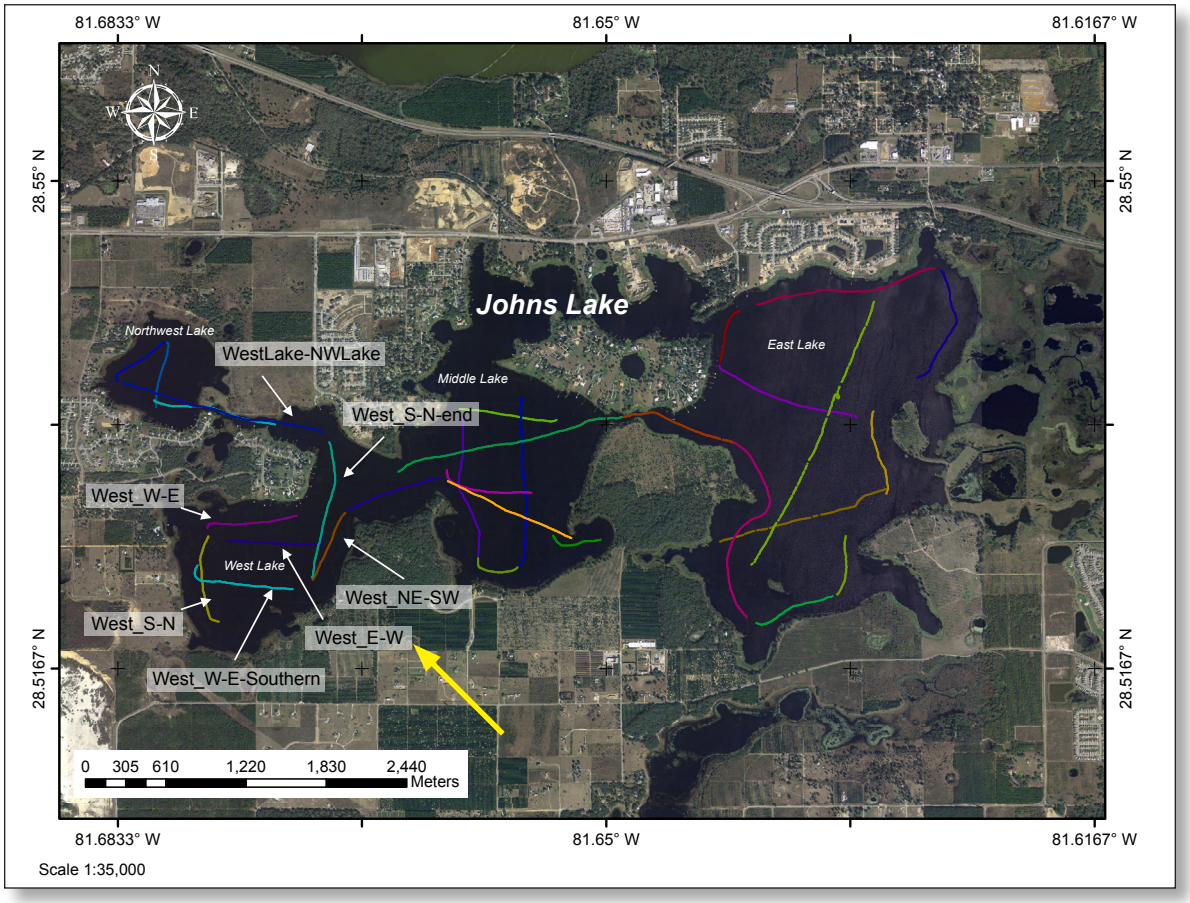

81.6833° W
81.65° W
81.6167° W
28.55° N
28.5167° N
N
W
E
Northwest_SW-NE
Northwest Lake
Northwest_N-S
Northwest_W-E-channel
Johns Lake
Middle Lake
East Lake
West Lake
0 305 610 1,220 1,830 2,440
Meters
Scale 1:35,000

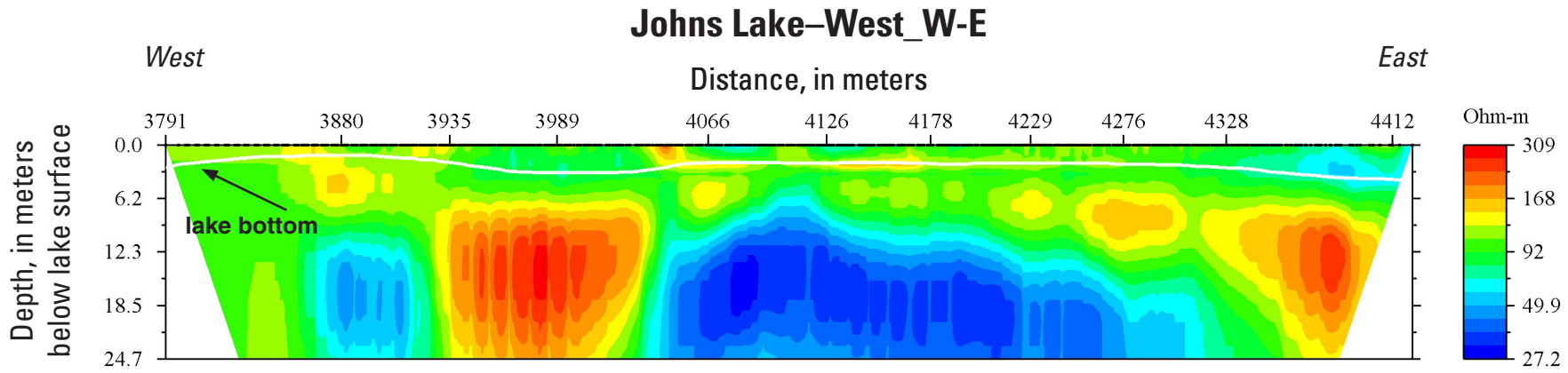
Continuous Resistivity Profiles

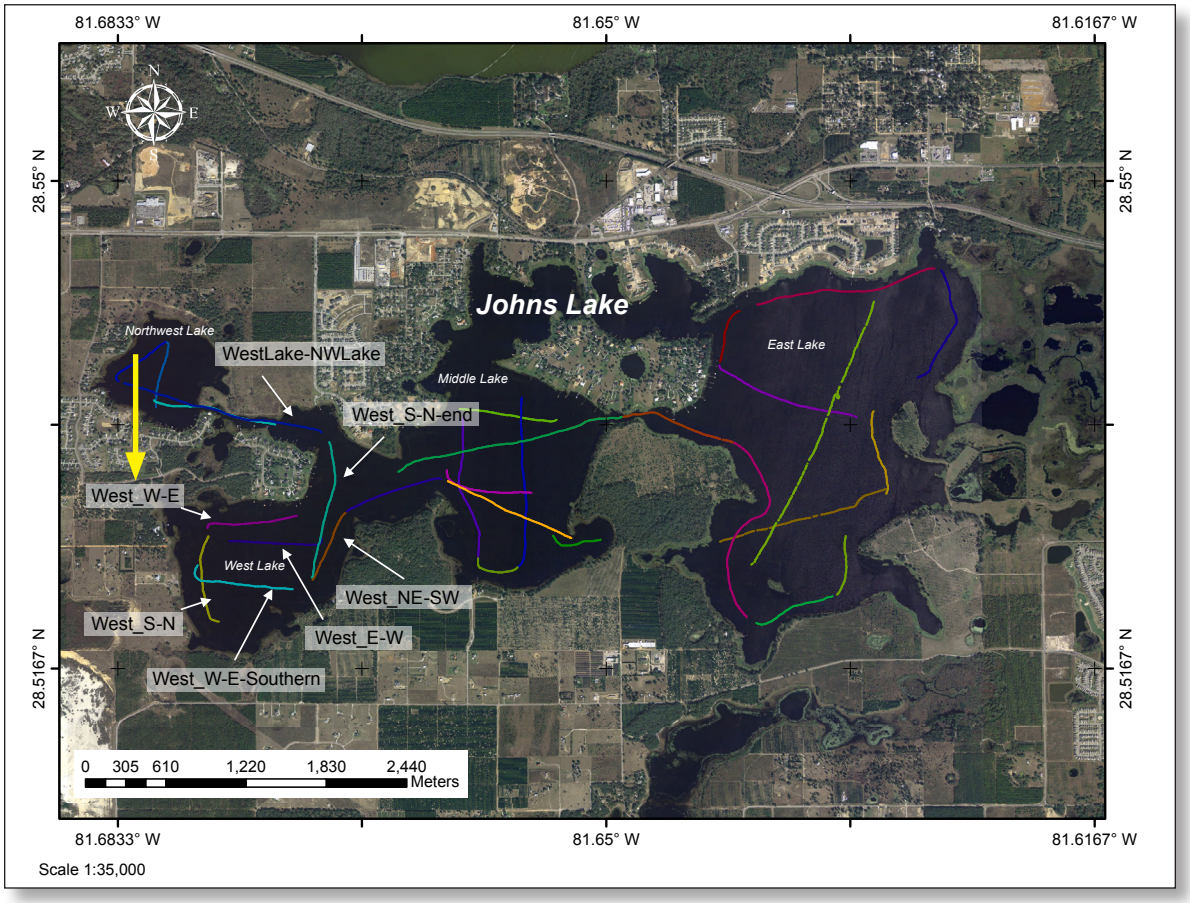


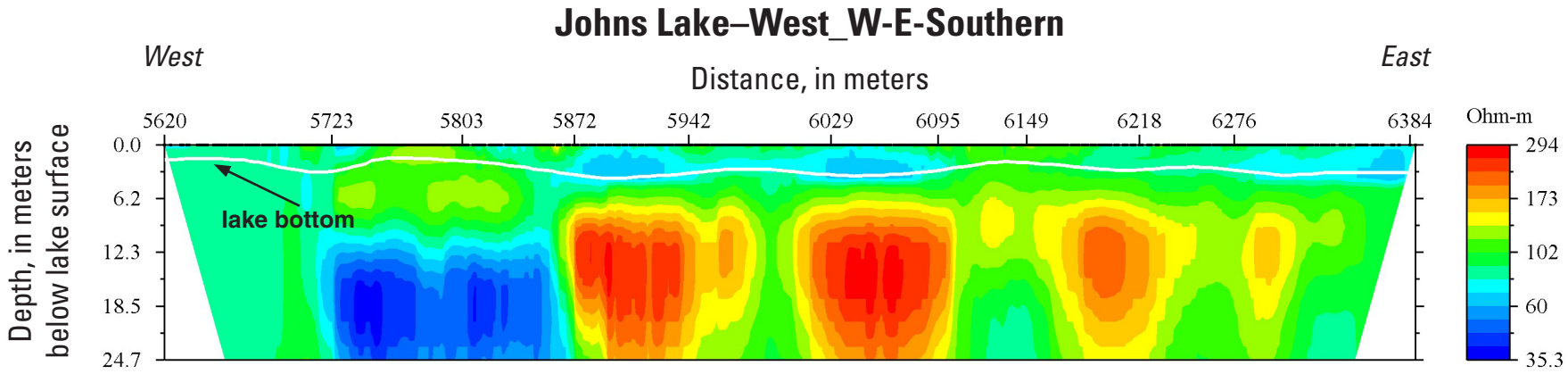
Scale 1:35,000

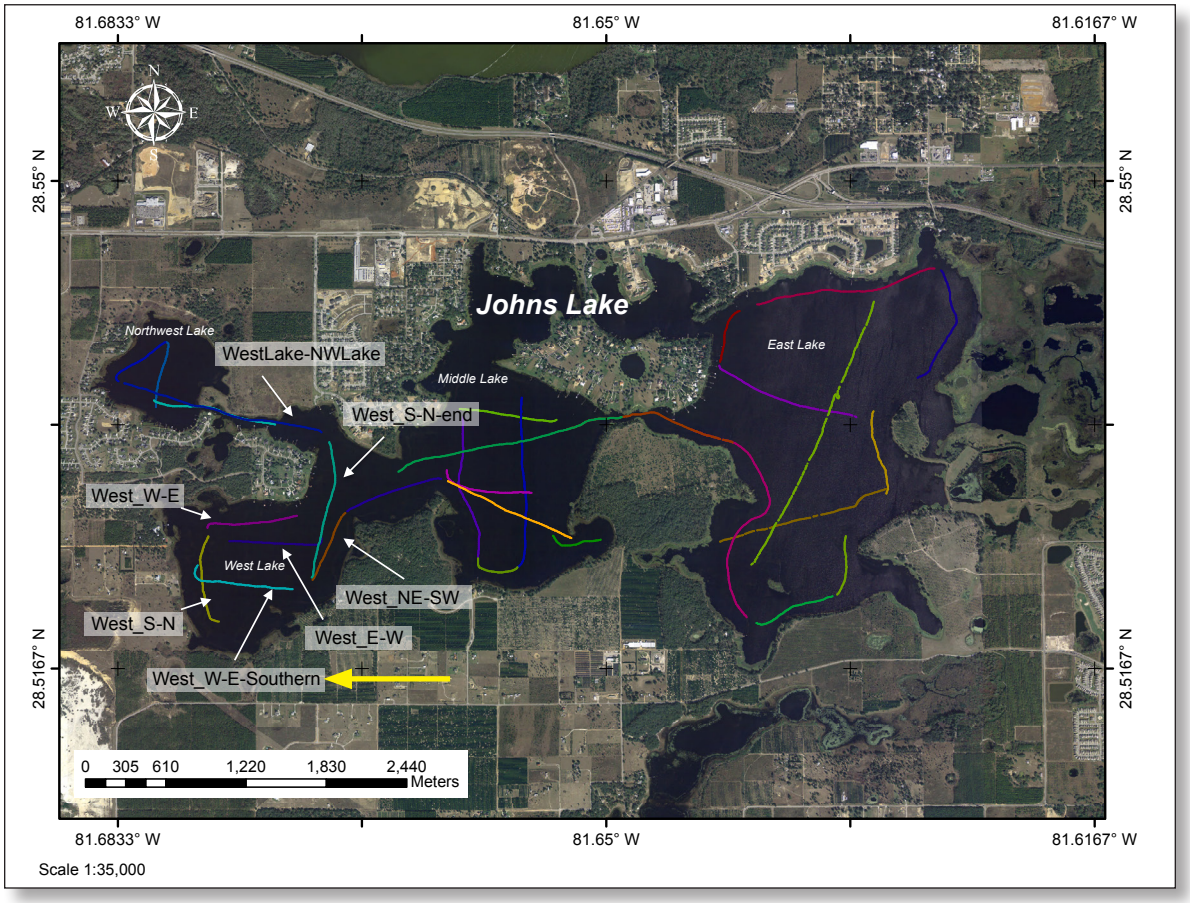

Johns Lake–West_E-W
East
West
Distance, in meters
4673
4775
4830
4888
4940
4992
5043
5097
5157
5214
Depth, in meters below lake surface
0.0
6.2
12.3
18.5
24.6
lake bottom
Ohm-m
273
176
113
73
47.1

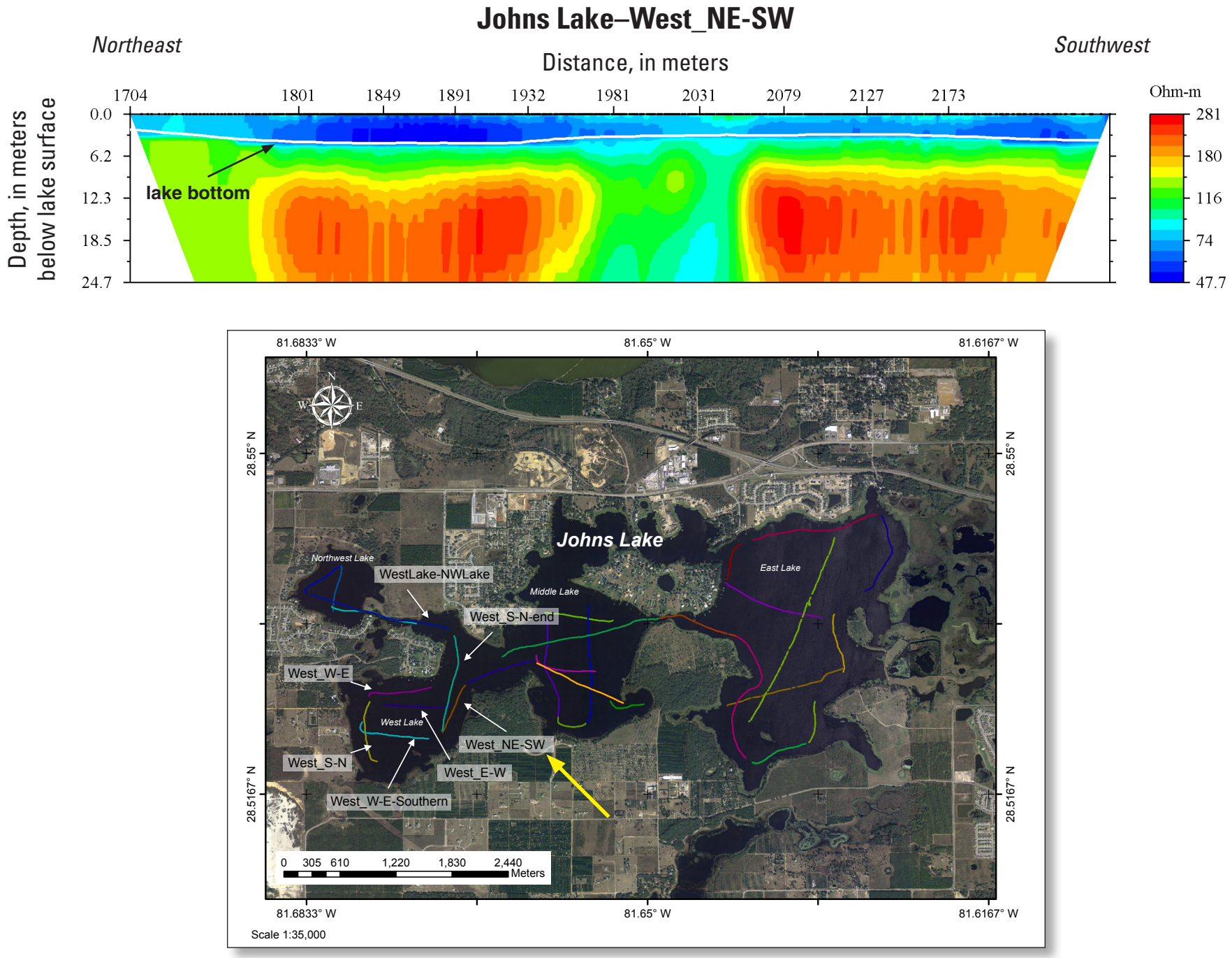

81.6833° W
81.65° W
81.6167° W
28.55° N
28.5167° N
N
W
E
S
Johns Lake
Northwest Lake
East Lake
Middle Lake
West Lake
WestLake-NWLake
West_S-N-end
West_W-E
West_NE-SW
West_S-N
West_E-W
West_W-E-Southern
0 305 610 1,220 1,830 2,440
Meters
Scale 1:35,000

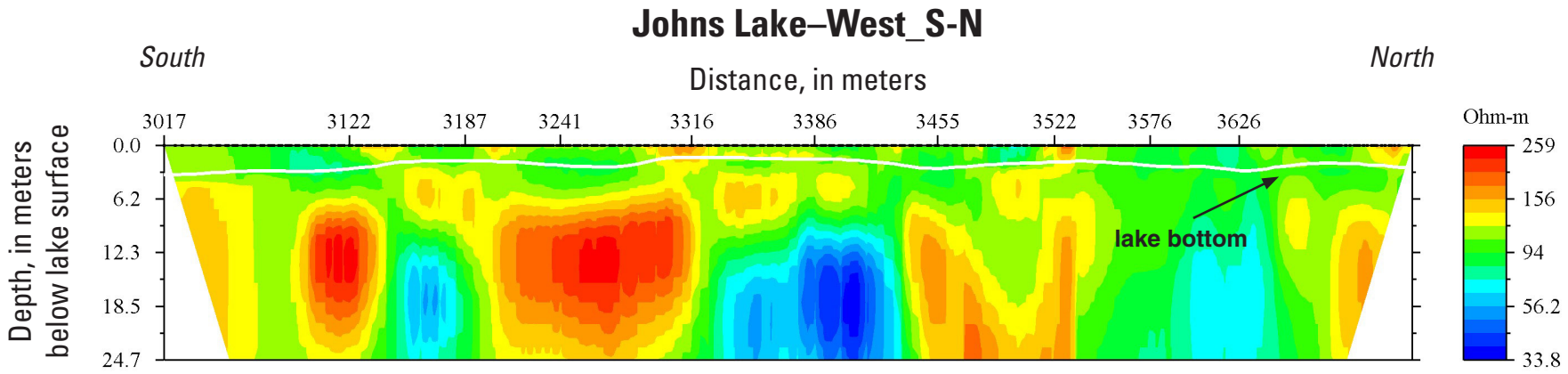

Johns Lake–West_W-E
West
East
Distance, in meters
3791
3880
3935
3989
4066
4126
4178
4229
4276
4328
4412
Depth, in meters below lake surface
0.0
6.2
12.3
18.5
24.7
lake bottom
Ohm-m
309
168
92
49.9
27.2

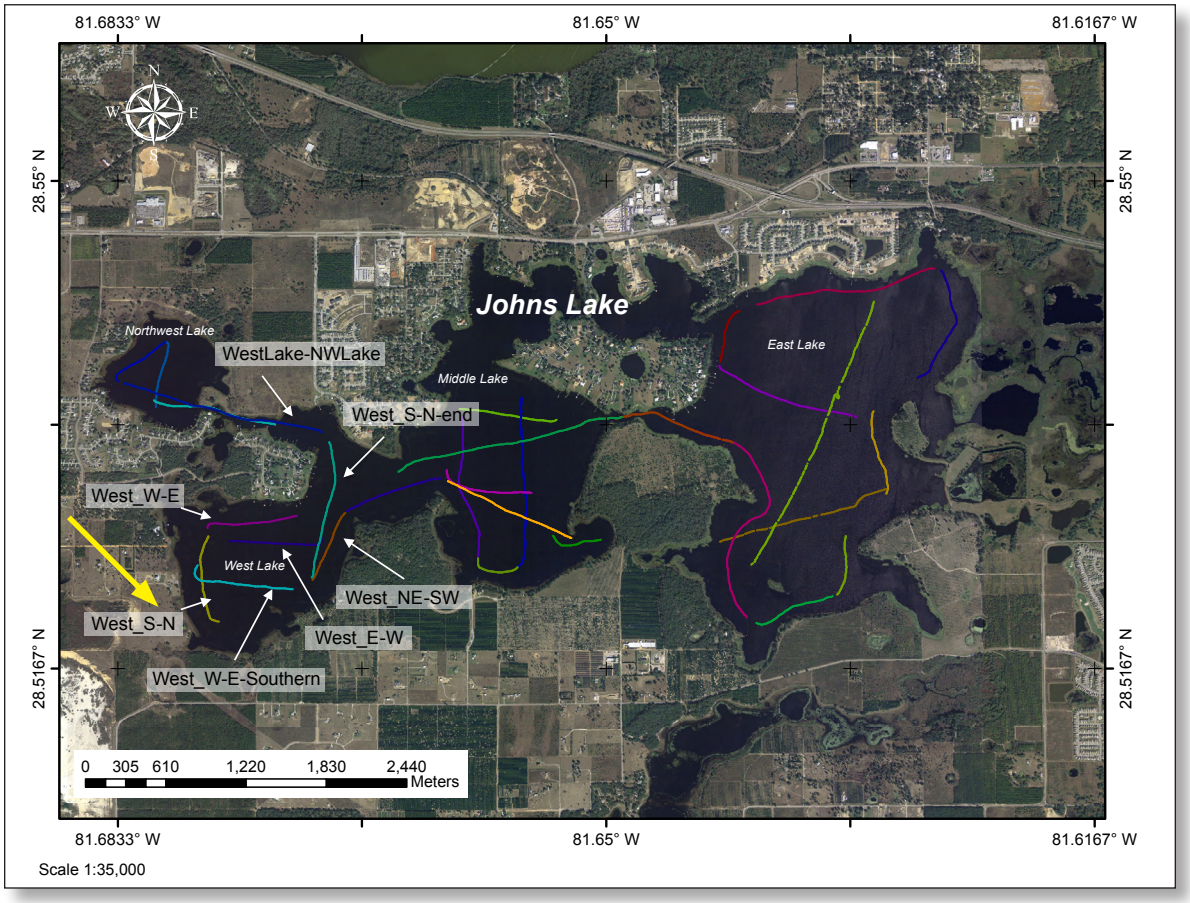

81.6833° W
81.65° W
81.6167° W
28.55° N
28.5167° N
N
W
E
S
Johns Lake
Northwest Lake
East Lake
Middle Lake
West Lake
WestLake-NWLake
West_S-N-end
West_W-E
West_NE-SW
West_S-N
West_E-W
West_W-E-Southern
0 305 610 1,220 1,830 2,440
Meters
Scale 1:35,000

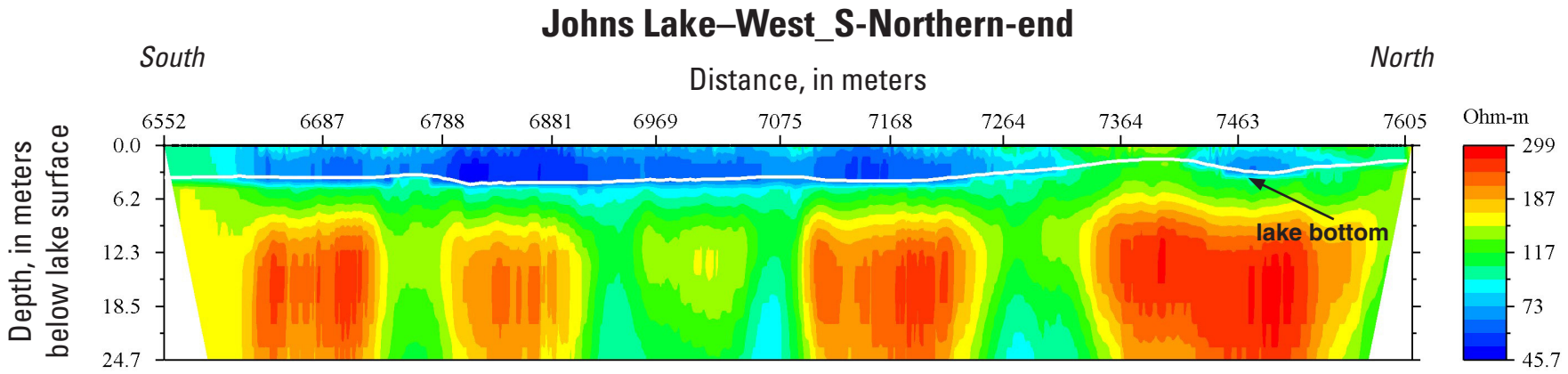

Johns Lake–West_W-E-Southern
West
East
Distance, in meters
5620
5723
5803
5872
5942
6029
6095
6149
6218
6276
6384
Depth, in meters below lake surface
0.0
6.2
12.3
18.5
24.7
lake bottom
Ohm-m
294
173
102
60
35.3

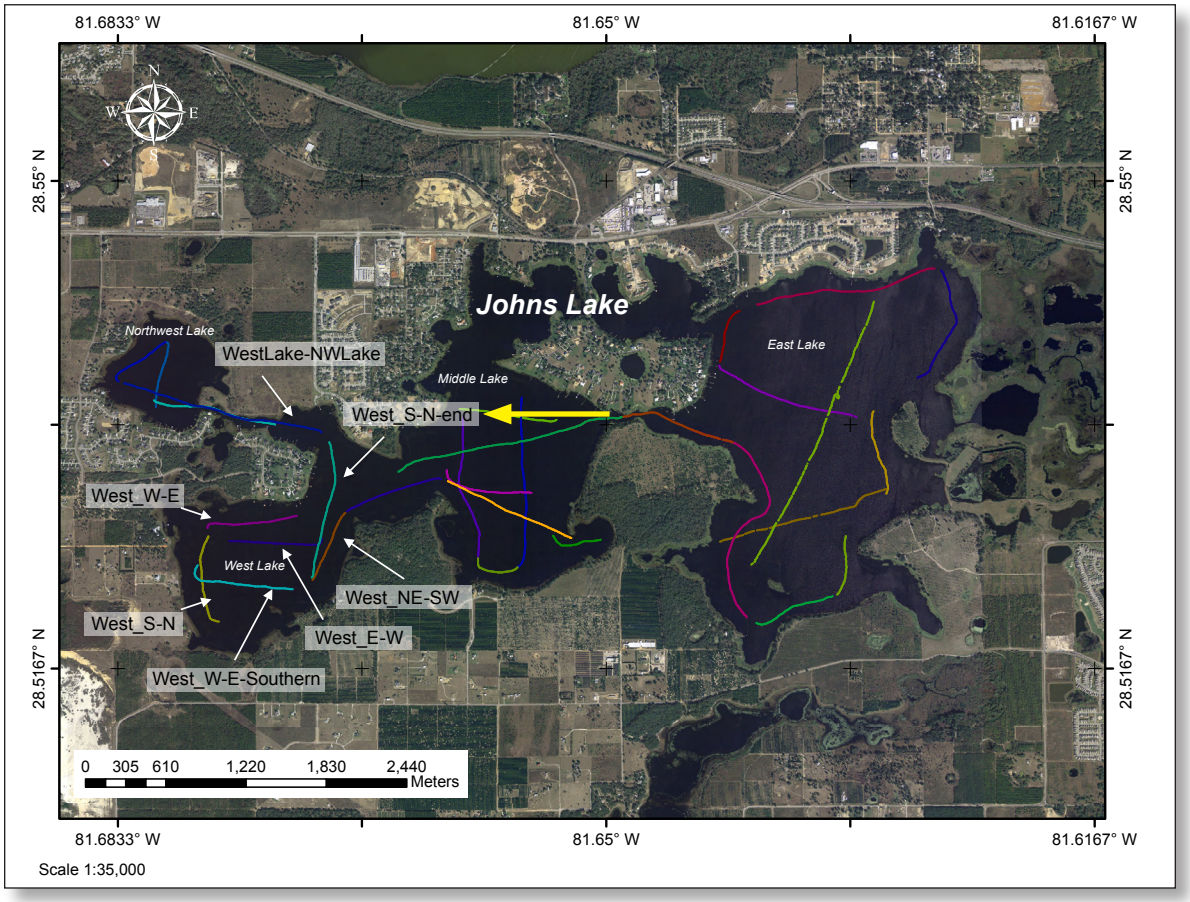

81.6833° W
81.65° W
81.6167° W
28.55° N
28.5167° N
N
W
E
S
Johns Lake
Northwest Lake
East Lake
Middle Lake
West Lake
WestLake-NWLake
West_S-N-end
West_W-E
West_NE-SW
West_S-N
West_E-W
West_W-E-Southern
0 305 610 1,220 1,830 2,440
Meters
Scale 1:35,000

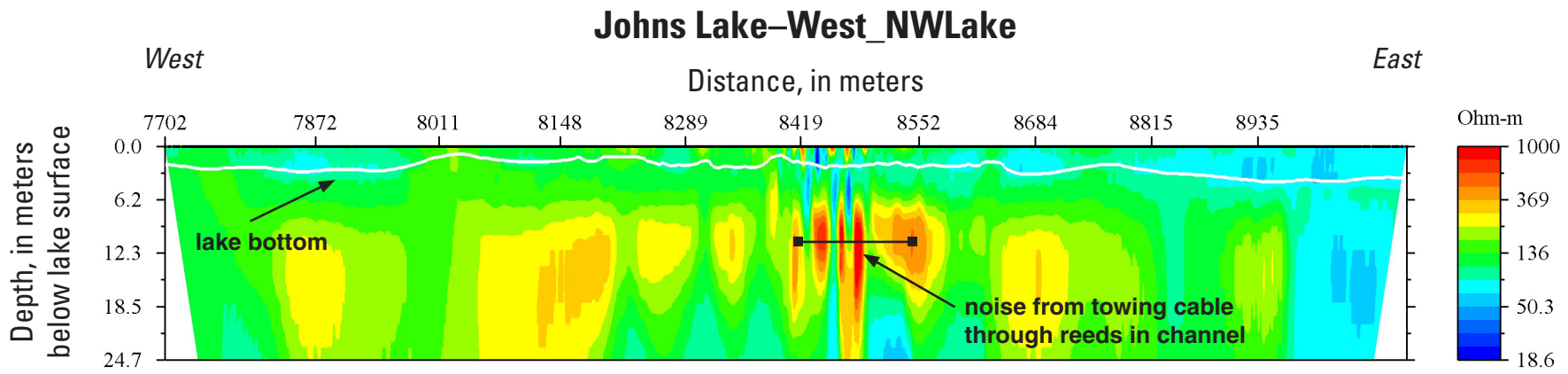

Johns Lake–West_NE-SW
Northeast
Southwest
Distance, in meters
1704
1801
1849
1891
1932
1981
2031
2079
2127
2173
Depth, in meters below lake surface
0.0
6.2
12.3
18.5
24.7
lake bottom
Ohm-m
281
180
116
74
47.7
81.6833° W
81.65° W
81.6167° W
28.55° N
28.5167° N
Johns Lake
Northwest Lake
Middle Lake
East Lake
West Lake
WestLake-NWLake
West_S-N-end
West_W-E
West_NE-SW
West_E-W
West_S-N
West_W-E-Southern
0 305 610 1,220 1,830 2,440
Meters
Scale 1:35,000

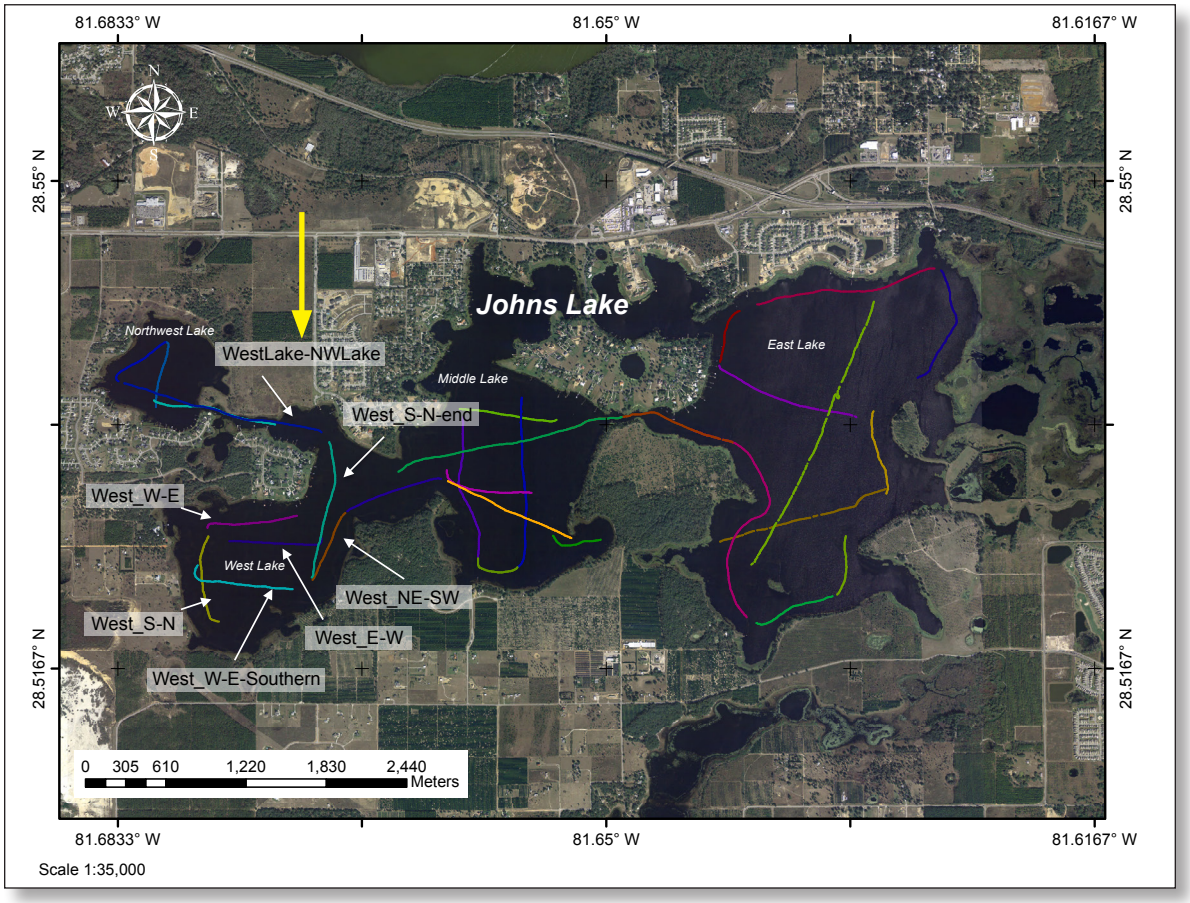

Johns Lake–West_S-N
South
North
Distance, in meters
3017
3122
3187
3241
3316
3386
3455
3522
3576
3626
Depth, in meters below lake surface
0.0
6.2
12.3
18.5
24.7
lake bottom
Ohm-m
259
156
94
56.2
33.8


81.6833° W
81.65° W
81.6167° W
28.55° N
28.5167° N
Johns Lake
Northwest Lake
East Lake
Middle Lake
West Lake
WestLake-NWLake
West_S-N-end
West_W-E
West_NE-SW
West_S-N
West_E-W
West_W-E-Southern
0 305 610 1,220 1,830 2,440
Meters
Scale 1:35,000

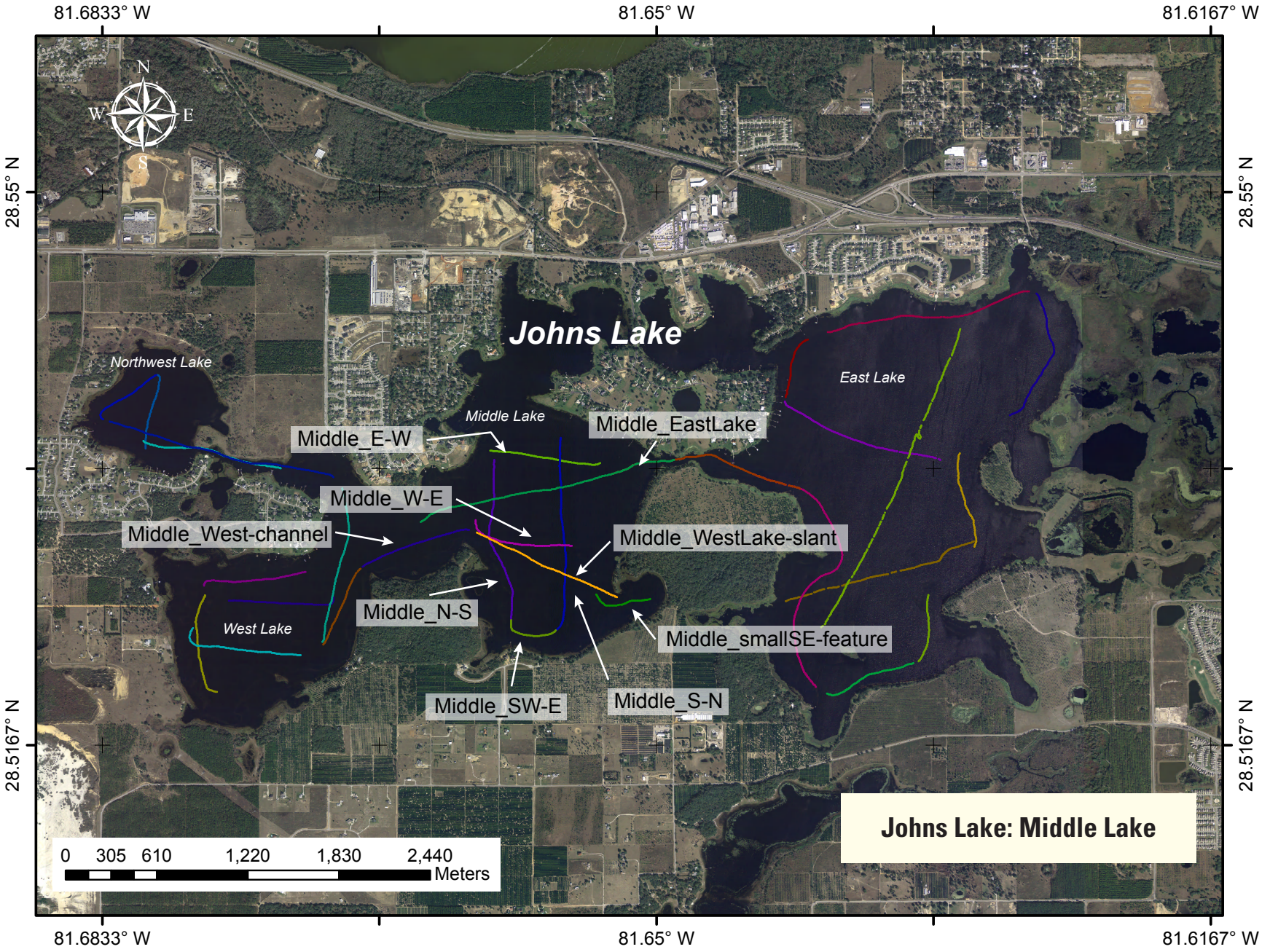

Johns Lake–West_S-Northern-end
South
North
Distance, in meters
6552
6687
6788
6881
6969
7075
7168
7264
7364
7463
7605
Depth, in meters below lake surface
0.0
6.2
12.3
18.5
24.7
lake bottom
Ohm-m
299
187
117
73
45.7


81.6833° W
81.65° W
81.6167° W
28.55° N
28.5167° N
N
W
E
S
Johns Lake
Northwest Lake
East Lake
Middle Lake
West Lake
WestLake-NWLake
West_S-N-end
West_W-E
West_NE-SW
West_S-N
West_E-W
West_W-E-Southern
0 305 610 1,220 1,830 2,440
Meters
Scale 1:35,000

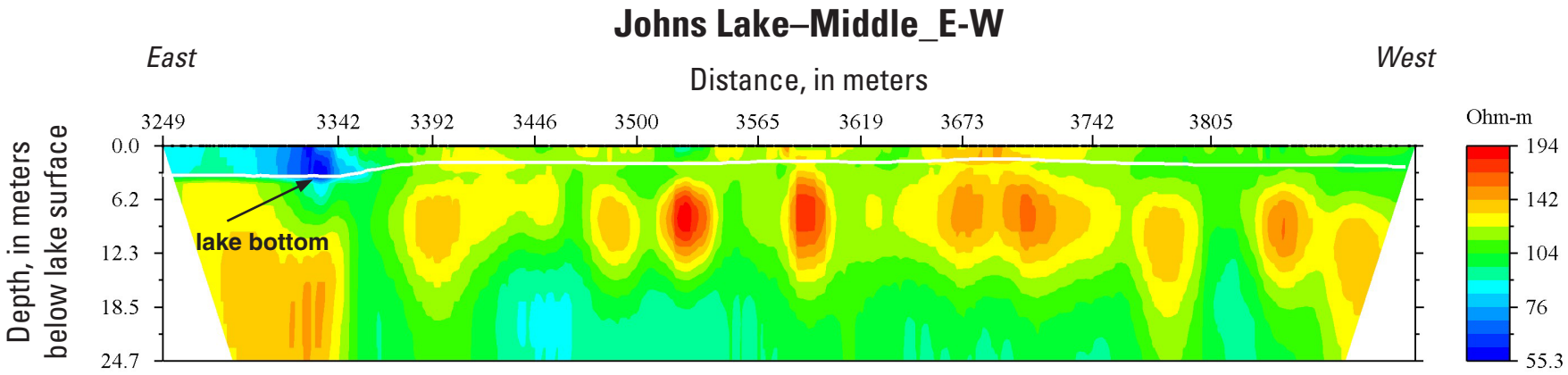

Johns Lake–West_NWLake
West
East
Distance, in meters
7702
7872
8011
8148
8289
8419
8552
8684
8815
8935
Depth, in meters below lake surface
0.0
6.2
12.3
18.5
24.7
lake bottom
noise from towing cable through reeds in channel
Ohm-m
1000
369
136
50.3
18.6

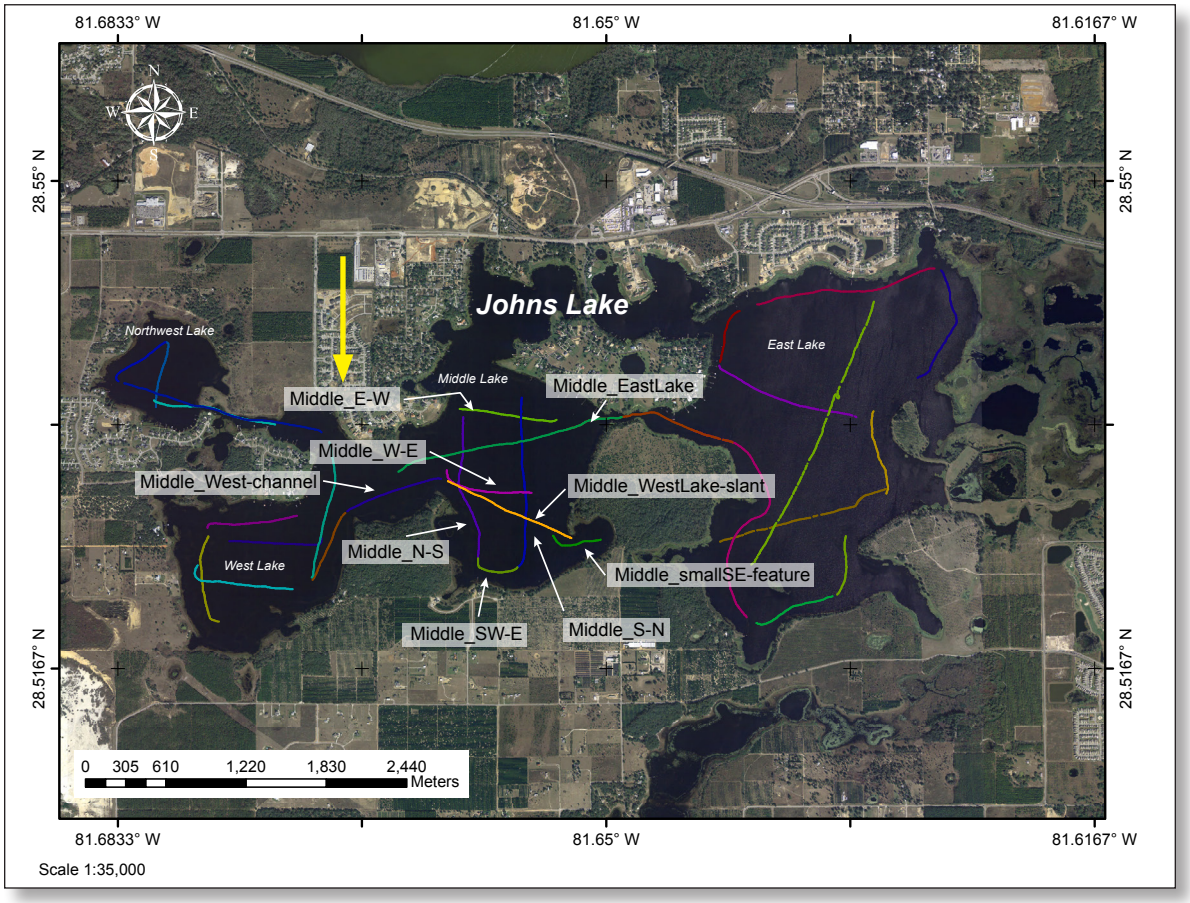

81.6833° W
81.65° W
81.6167° W
28.55° N
28.5167° N
Johns Lake
Northwest Lake
East Lake
Middle Lake
West Lake
WestLake-NWLake
West_S-N-end
West_W-E
West_NE-SW
West_S-N
West_E-W
West_W-E-Southern
0 305 610 1,220 1,830 2,440
Meters
Scale 1:35,000

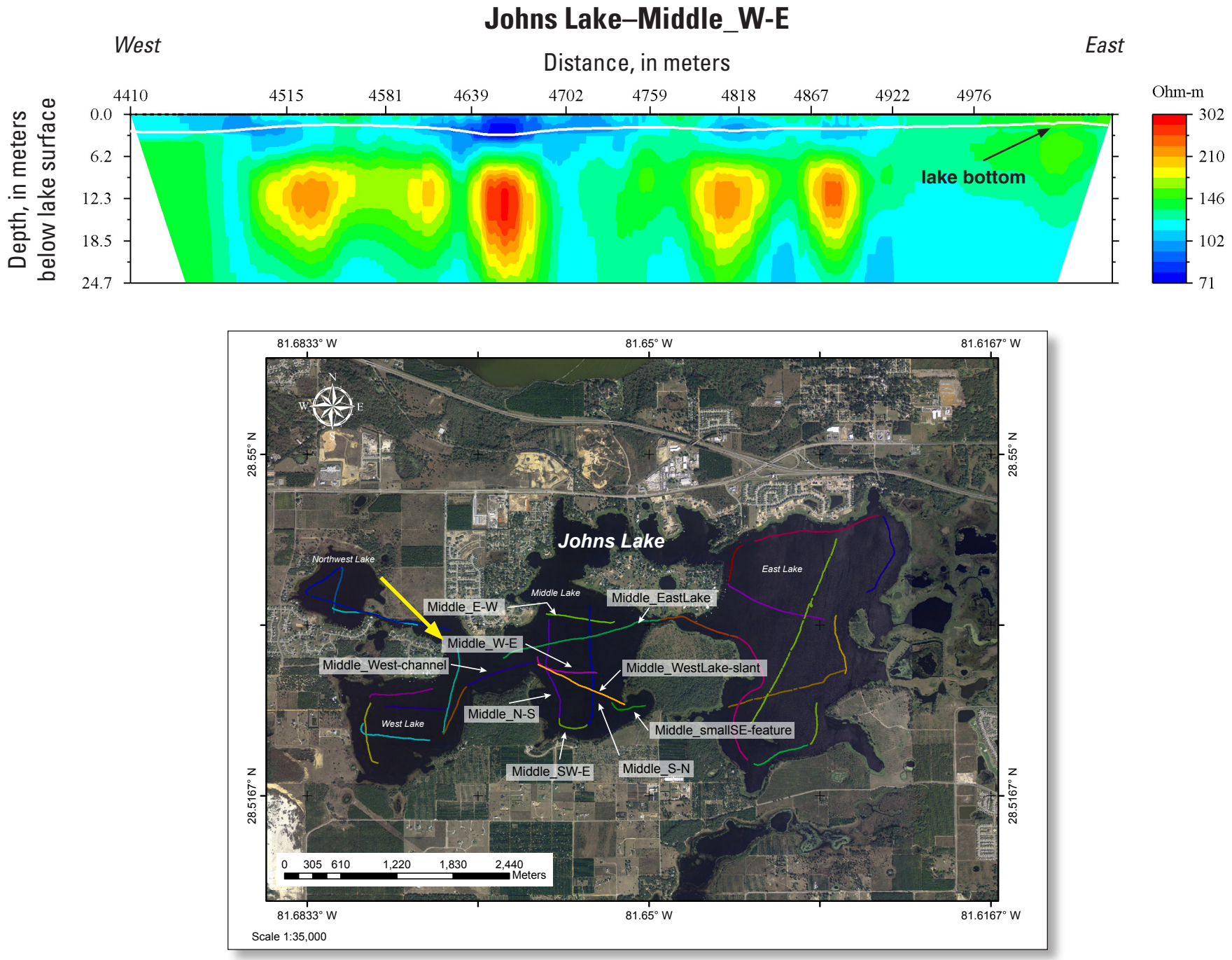
Continuous Resistivity Profiles



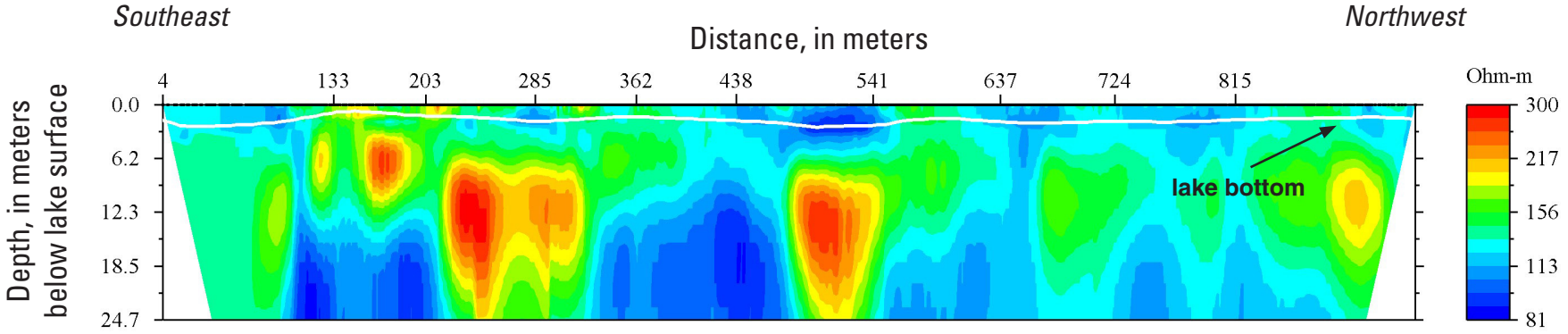
Scale 1:35,000

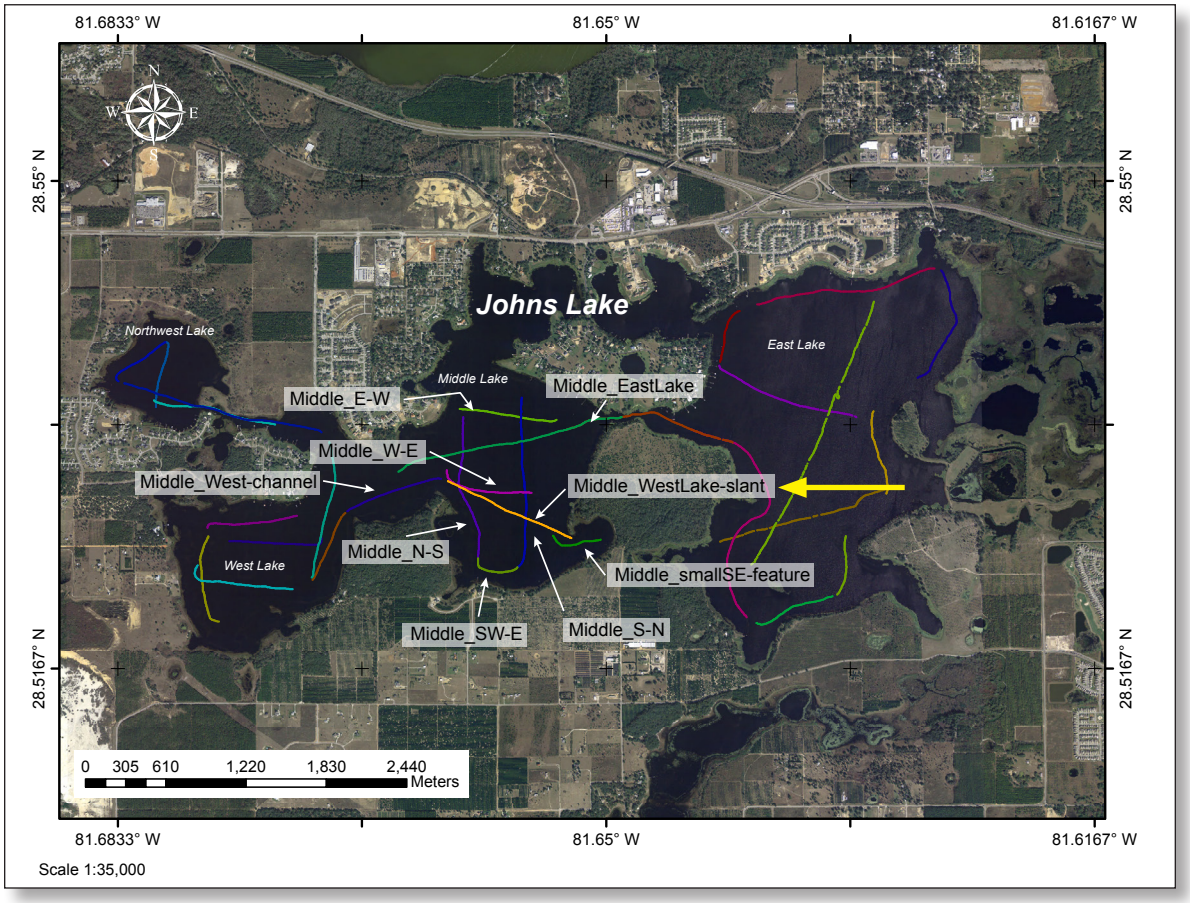

Johns Lake–Middle_E-W
East
West
Distance, in meters
3249
3342
3392
3446
3500
3565
3619
3673
3742
3805
Depth, in meters below lake surface
0.0
6.2
12.3
18.5
24.7
lake bottom
Ohm-m
194
142
104
76
55.3

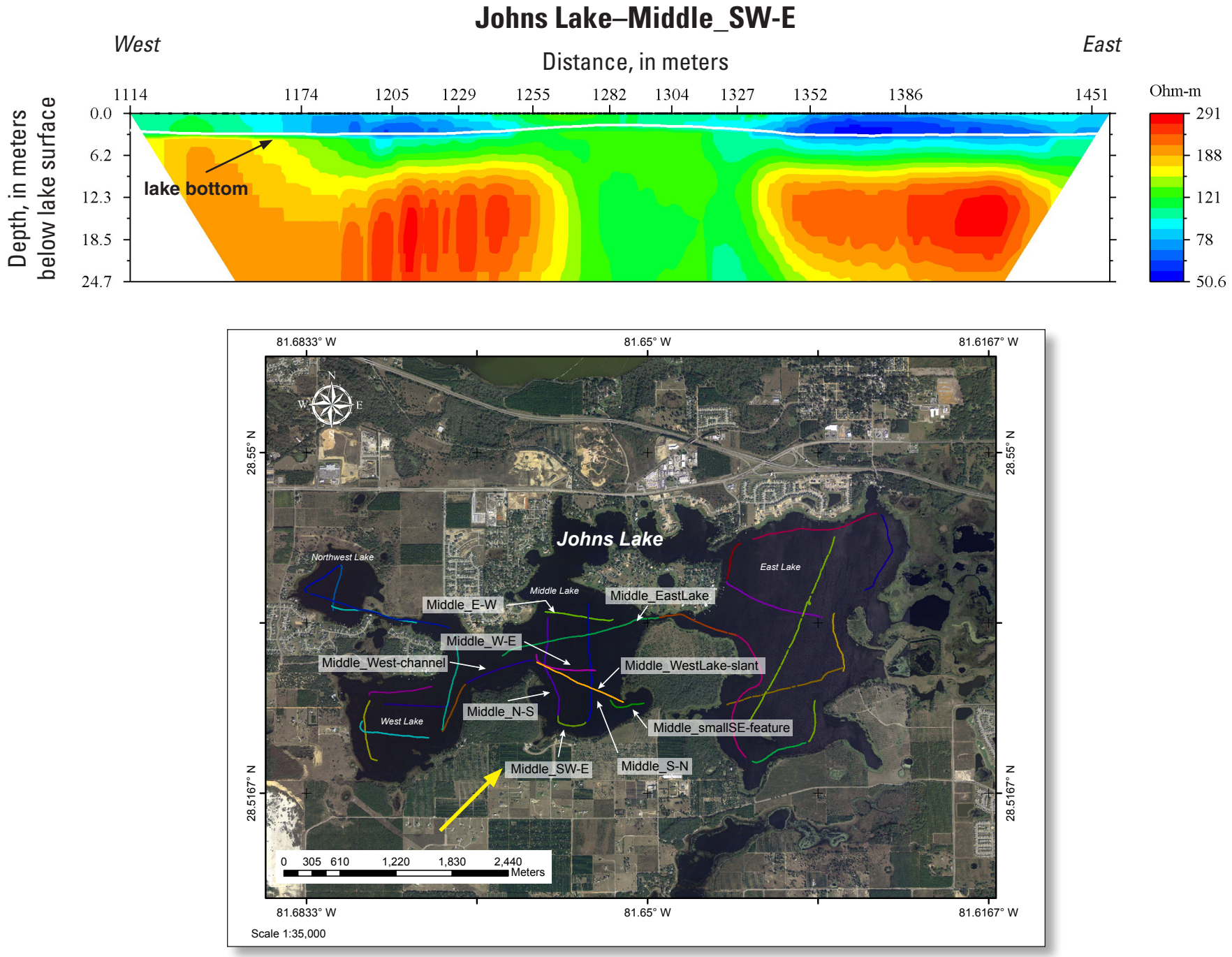

81.6833° W
81.65° W
81.6167° W
28.55° N
28.5167° N
N
W
E
S
Johns Lake
Northwest Lake
Middle Lake
East Lake
West Lake
Middle_E-W
Middle_EastLake
Middle_W-E
Middle_West-channel
Middle_WestLake-slant
Middle_N-S
Middle_smallSE-feature
Middle_SW-E
Middle_S-N
0 305 610 1,220 1,830 2,440
Meters
Scale 1:35,000

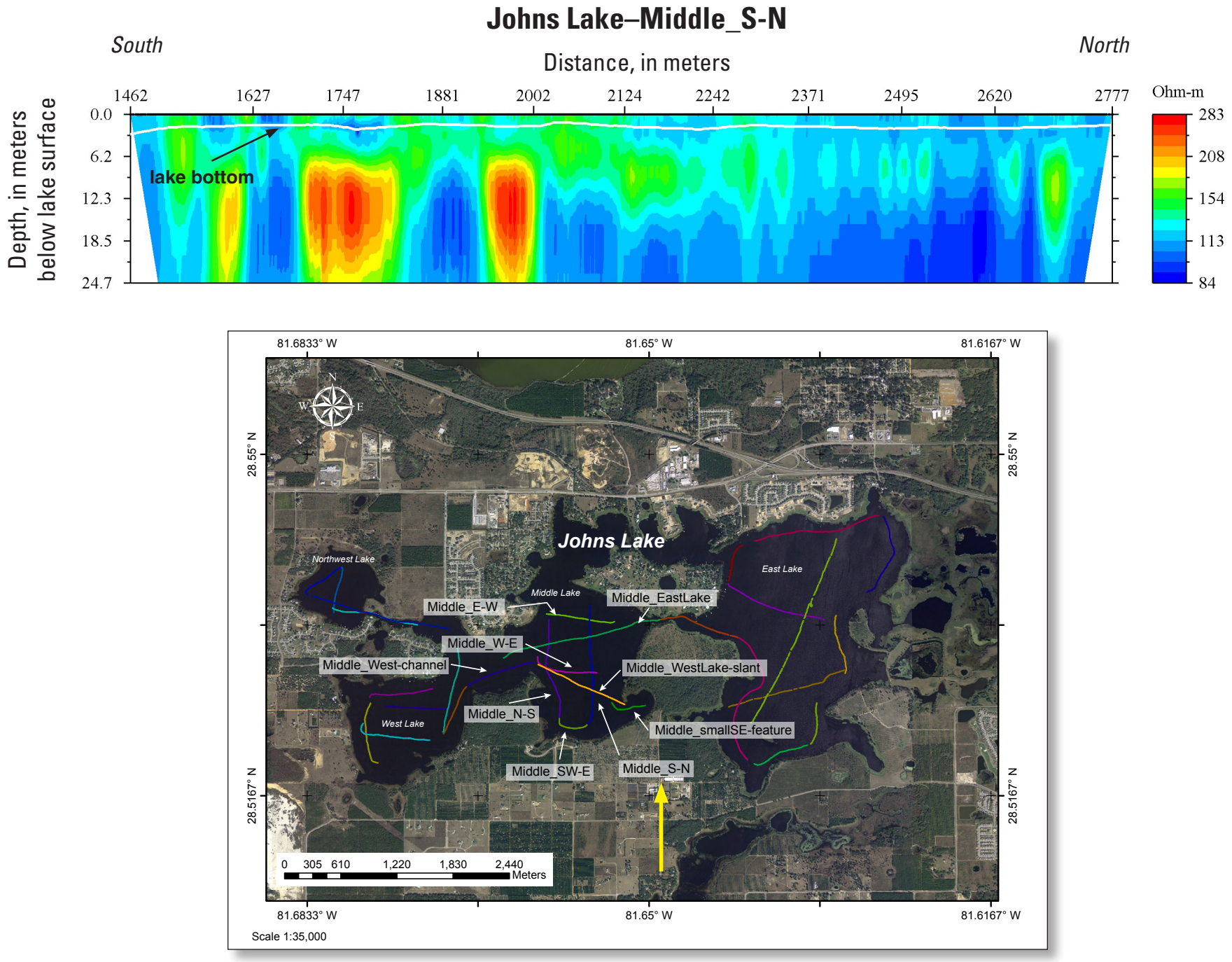

Johns Lake–Middle_W-E
West
East
Distance, in meters
4410
4515
4581
4639
4702
4759
4818
4867
4922
4976
Depth, in meters below lake surface
0.0
6.2
12.3
18.5
24.7
lake bottom
Ohm-m
302
210
146
102
71
81.6833° W
81.65° W
81.6167° W
28.55° N
28.5167° N
Johns Lake
Northwest Lake
Middle Lake
East Lake
West Lake
Middle_E-W
Middle_EastLake
Middle_W-E
Middle_West-channel
Middle_WestLake-slant
Middle_N-S
Middle_smallSE-feature
Middle_SW-E
Middle_S-N
0 305 610 1,220 1,830 2,440
Meters
Scale 1:35,000

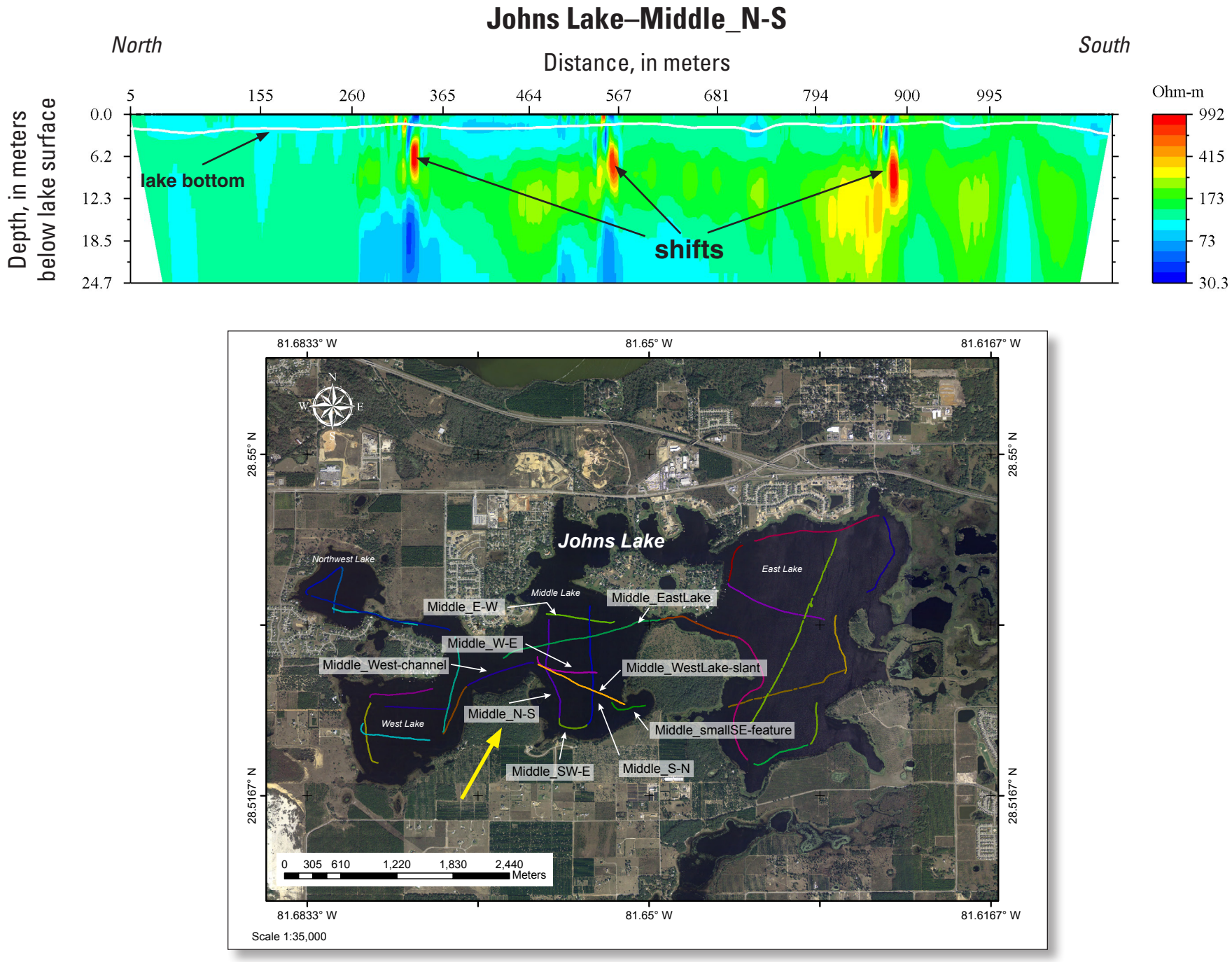
Johns Lake–Middle-slant

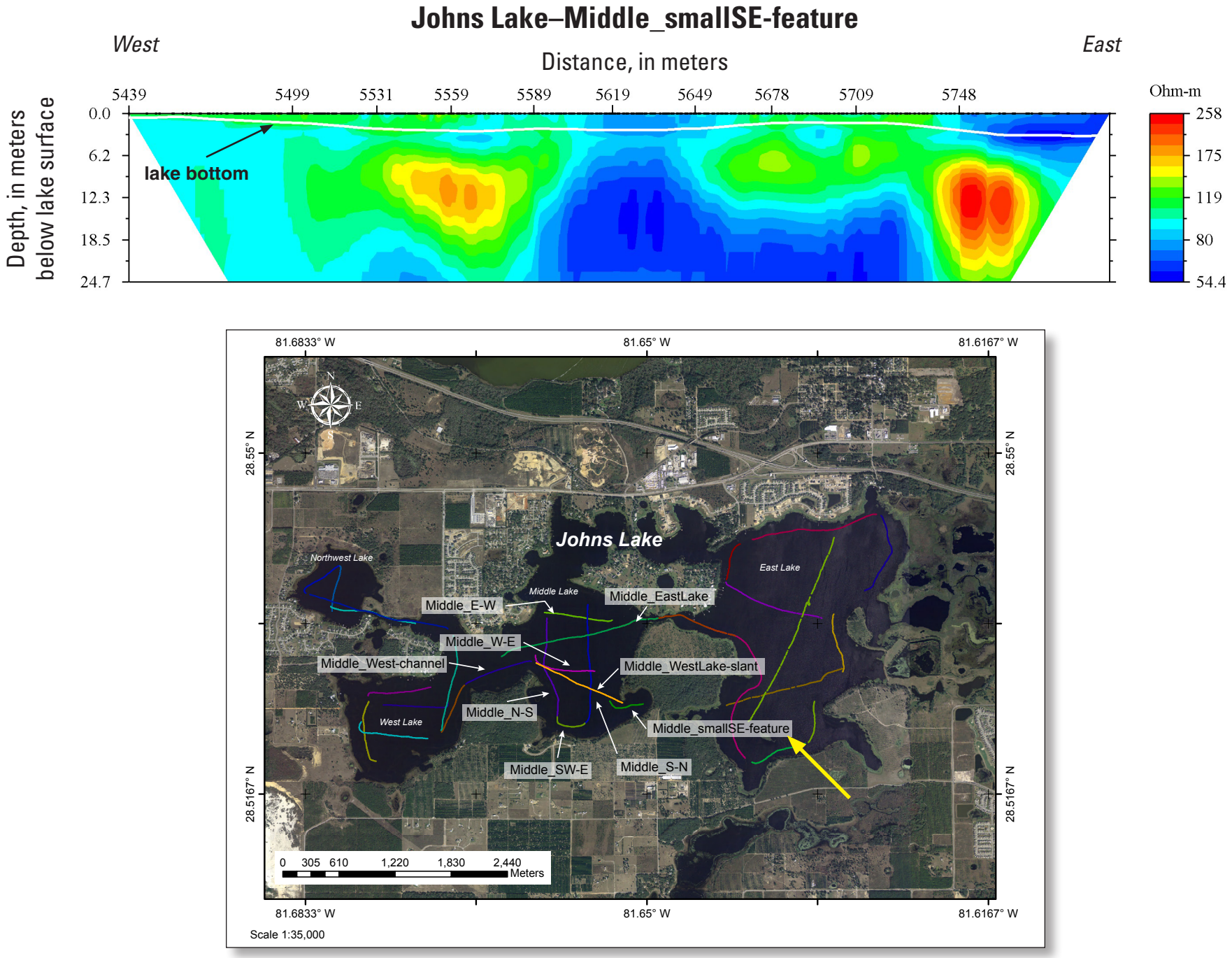




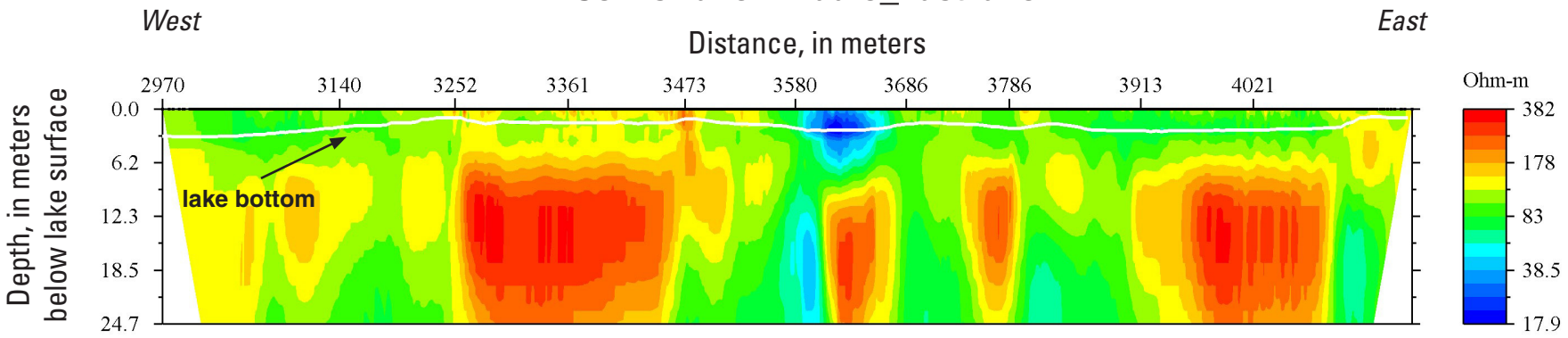

Johns Lake–Middle_SW-E
West
East
Distance, in meters
1114
1174
1205
1229
1255
1282
1304
1327
1352
1386
1451
Depth, in meters below lake surface
0.0
6.2
12.3
18.5
24.7
lake bottom
Ohm-m
291
188
121
78
50.6
81.6833° W
81.65° W
81.6167° W
28.55° N
28.5167° N
Johns Lake
Northwest Lake
Middle Lake
East Lake
West Lake
Middle_E-W
Middle_EastLake
Middle_W-E
Middle_West-channel
Middle_WestLake-slant
Middle_N-S
Middle_smallSE-feature
Middle_SW-E
Middle_S-N
0 305 610 1,220 1,830 2,440
Meters
Scale 1:35,000

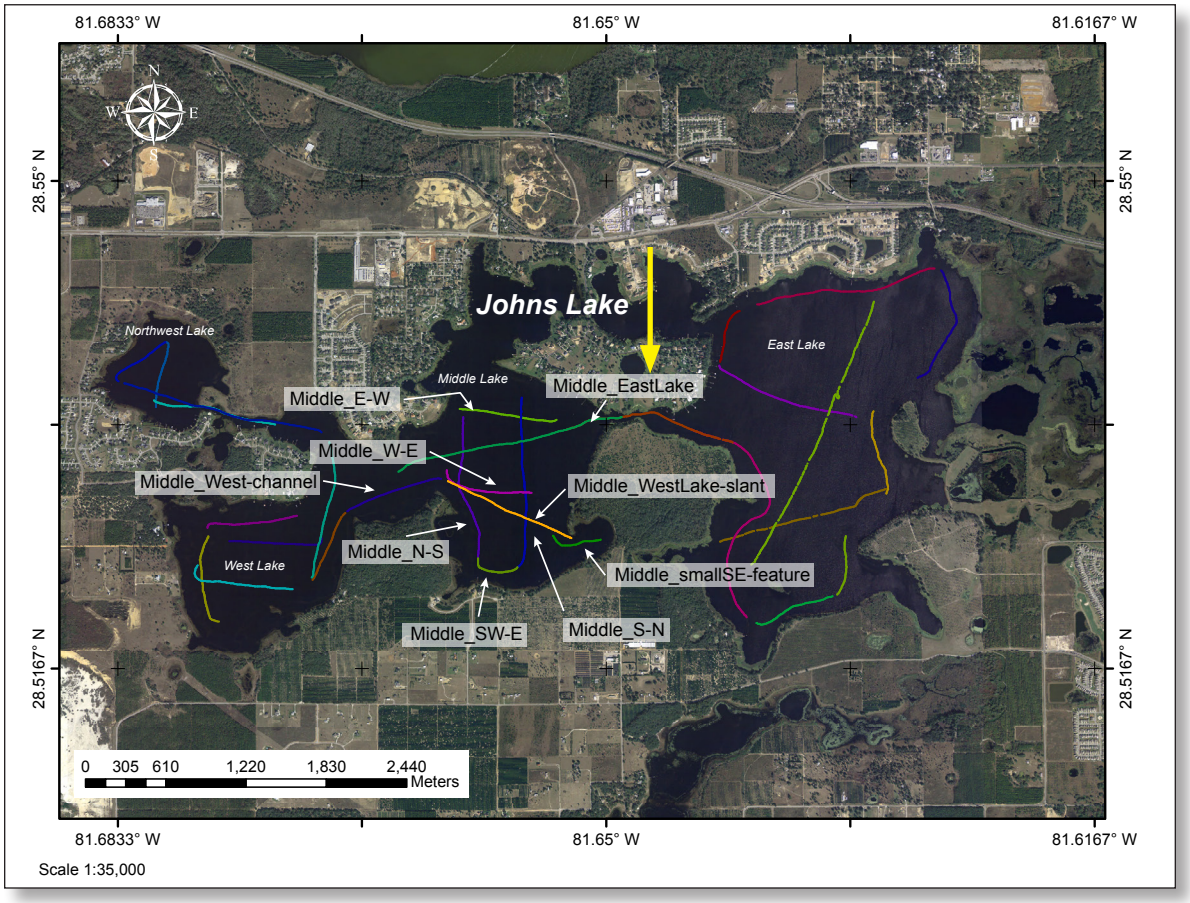

Johns Lake–Middle_S-N
South
North
Distance, in meters
1462
1627
1747
1881
2002
2124
2242
2371
2495
2620
2777
Depth, in meters below lake surface
0.0
6.2
12.3
18.5
24.7
lake bottom
Ohm-m
283
208
154
113
84
81.6833° W
81.65° W
81.6167° W
28.55° N
28.5167° N
Johns Lake
Northwest Lake
Middle Lake
East Lake
West Lake
Middle_E-W
Middle_EastLake
Middle_W-E
Middle_West-channel
Middle_WestLake-slant
Middle_N-S
Middle_smallSE-feature
Middle_SW-E
Middle_S-N
0 305 610 1,220 1,830 2,440
Meters
Scale 1:35,000

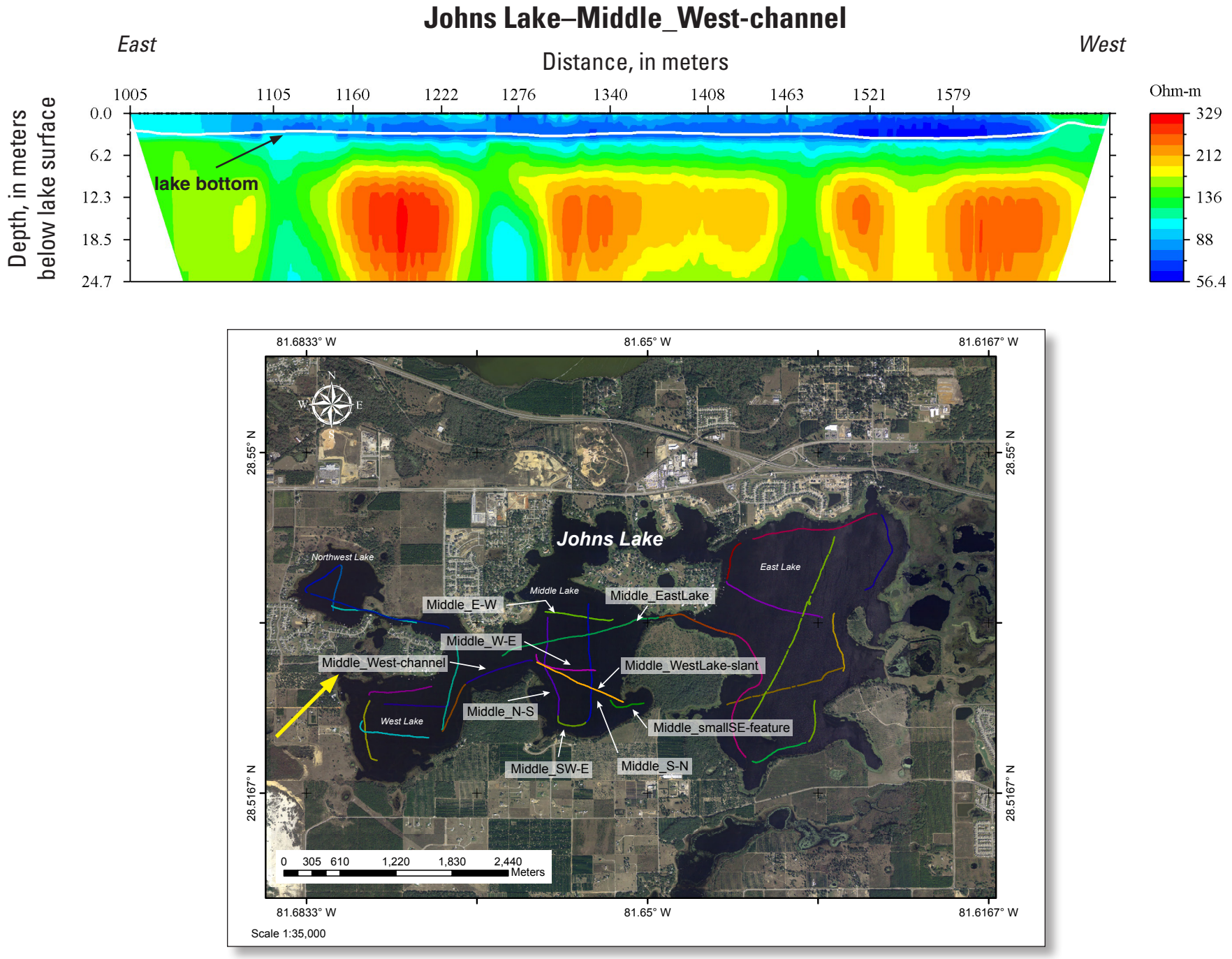

Johns Lake–Middle_N-S
North
South
Distance, in meters
5
155
260
365
464
567
681
794
900
995
Depth, in meters below lake surface
0.0
6.2
12.3
18.5
24.7
lake bottom
shifts
Ohm-m
992
415
173
73
30.3
81.6833° W
81.65° W
81.6167° W
28.55° N
28.5167° N
Johns Lake
Northwest Lake
Middle Lake
East Lake
West Lake
Middle_E-W
Middle_EastLake
Middle_W-E
Middle_West-channel
Middle_WestLake-slant
Middle_N-S
Middle_smallSE-feature
Middle_SW-E
Middle_S-N
0 305 610 1,220 1,830 2,440
Meters
Scale 1:35,000


Johns Lake–Middle_smallSE-feature
West
East
Distance, in meters
5439
5499
5531
5559
5589
5619
5649
5678
5709
5748
Depth, in meters below lake surface
0.0
6.2
12.3
18.5
24.7
lake bottom
Ohm-m
258
175
119
80
54.4
81.6833° W
81.65° W
81.6167° W
28.55° N
28.5167° N
N
W
E
S
Johns Lake
Northwest Lake
Middle Lake
East Lake
West Lake
Middle_E-W
Middle_EastLake
Middle_W-E
Middle_West-channel
Middle_WestLake-slant
Middle_N-S
Middle_smallSE-feature
Middle_SW-E
Middle_S-N
0 305 610 1,220 1,830 2,440
Meters
Scale 1:35,000

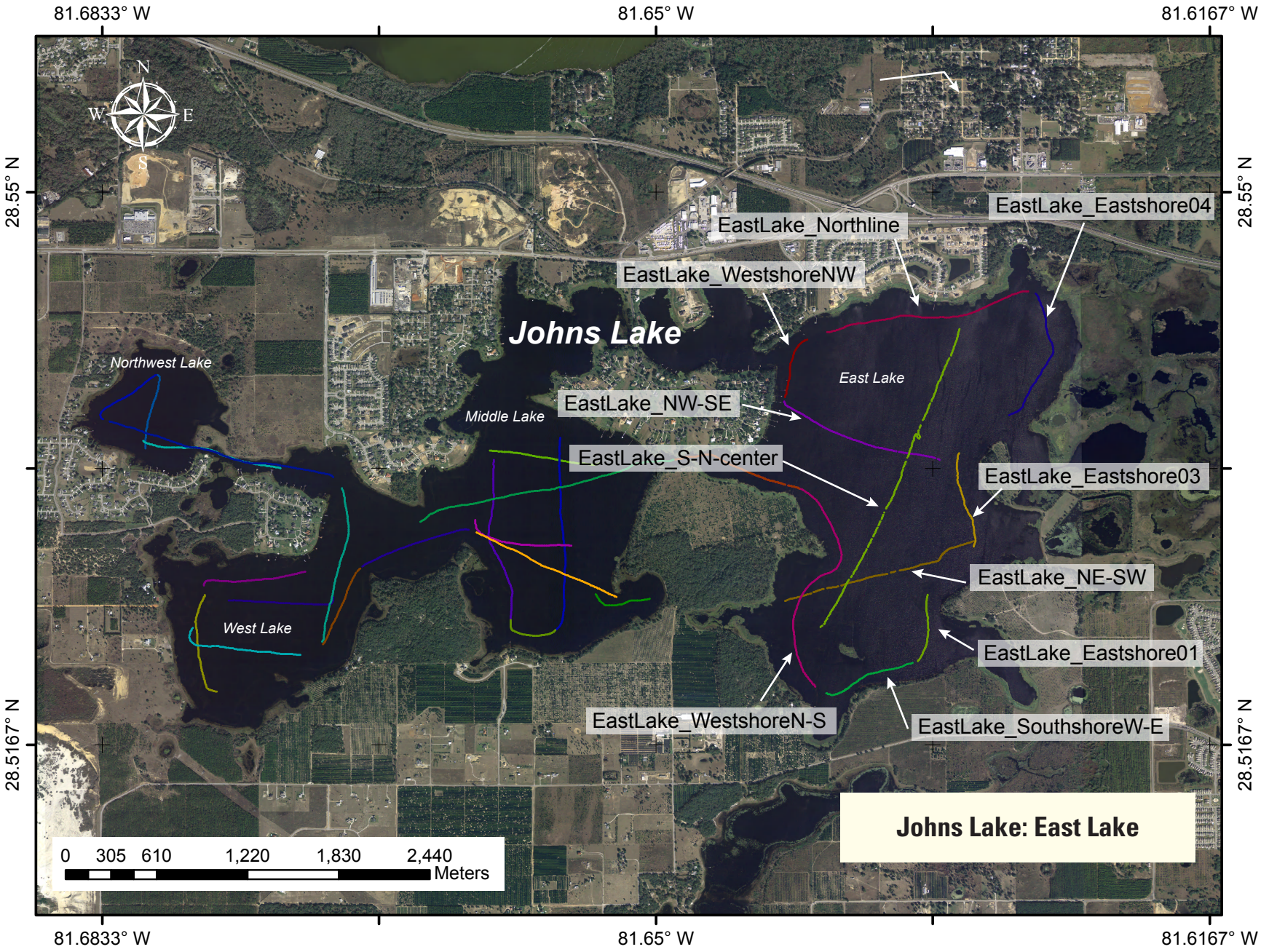
Johns Lake–Middle_EastLake





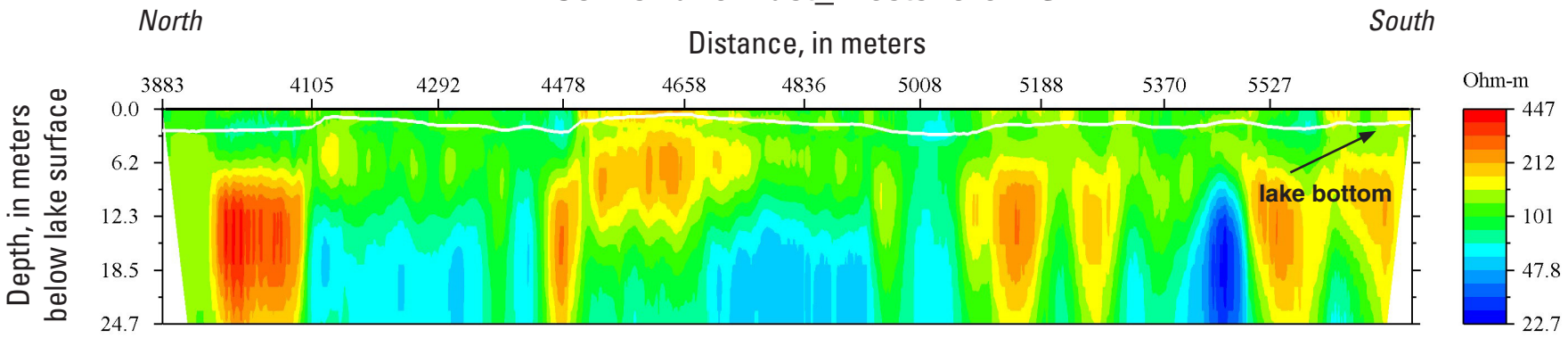

Johns Lake–Middle_West-channel
East
West
Distance, in meters
1005
1105
1160
1222
1276
1340
1408
1463
1521
1579
Depth, in meters below lake surface
0.0
6.2
12.3
18.5
24.7
lake bottom
Ohm-m
329
212
136
88
56.4
81.6833° W
81.65° W
81.6167° W
28.55° N
28.5167° N
Johns Lake
Northwest Lake
Middle Lake
East Lake
West Lake
Middle_E-W
Middle_EastLake
Middle_W-E
Middle_West-channel
Middle_WestLake-slant
Middle_N-S
Middle_smallSE-feature
Middle_SW-E
Middle_S-N
0 305 610 1,220 1,830 2,440
Meters
Scale 1:35,000

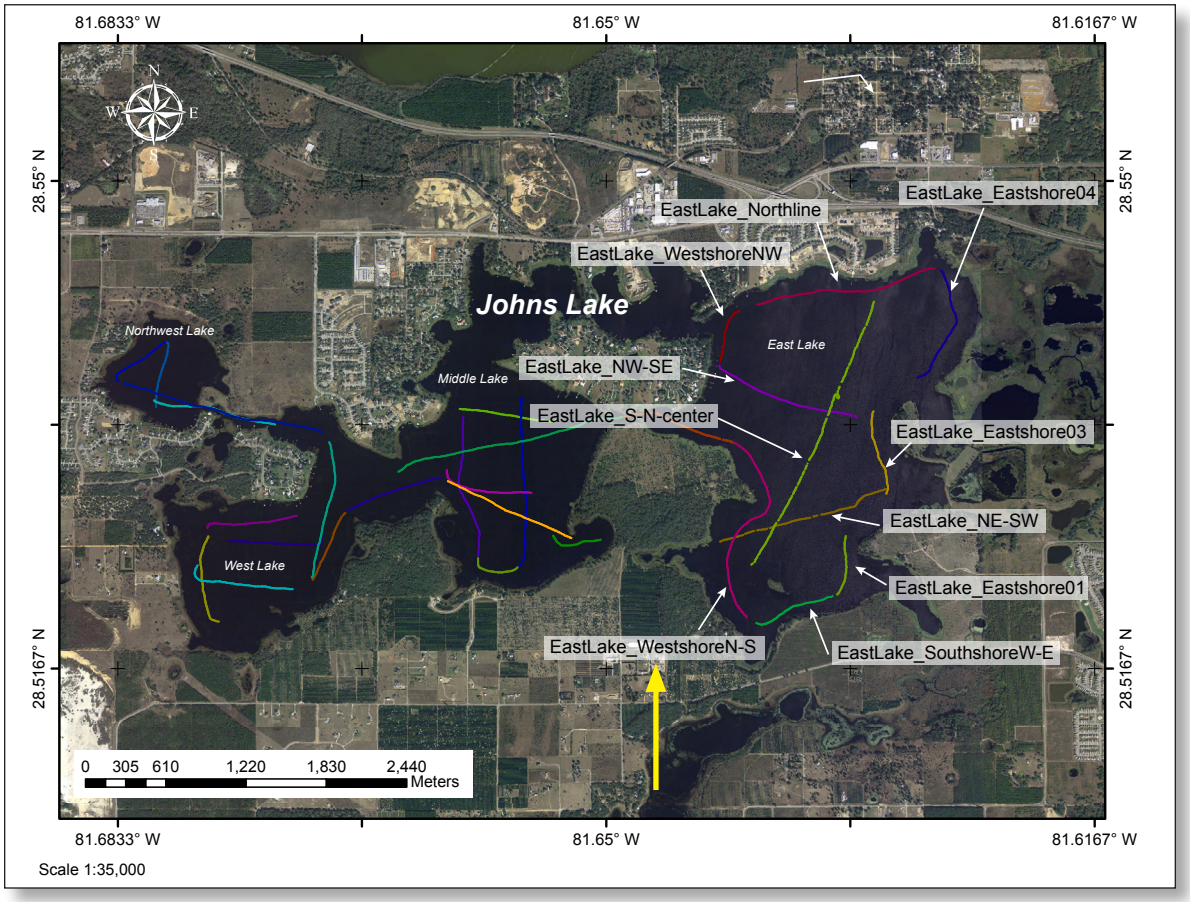
Continuous Resistivity Profiles

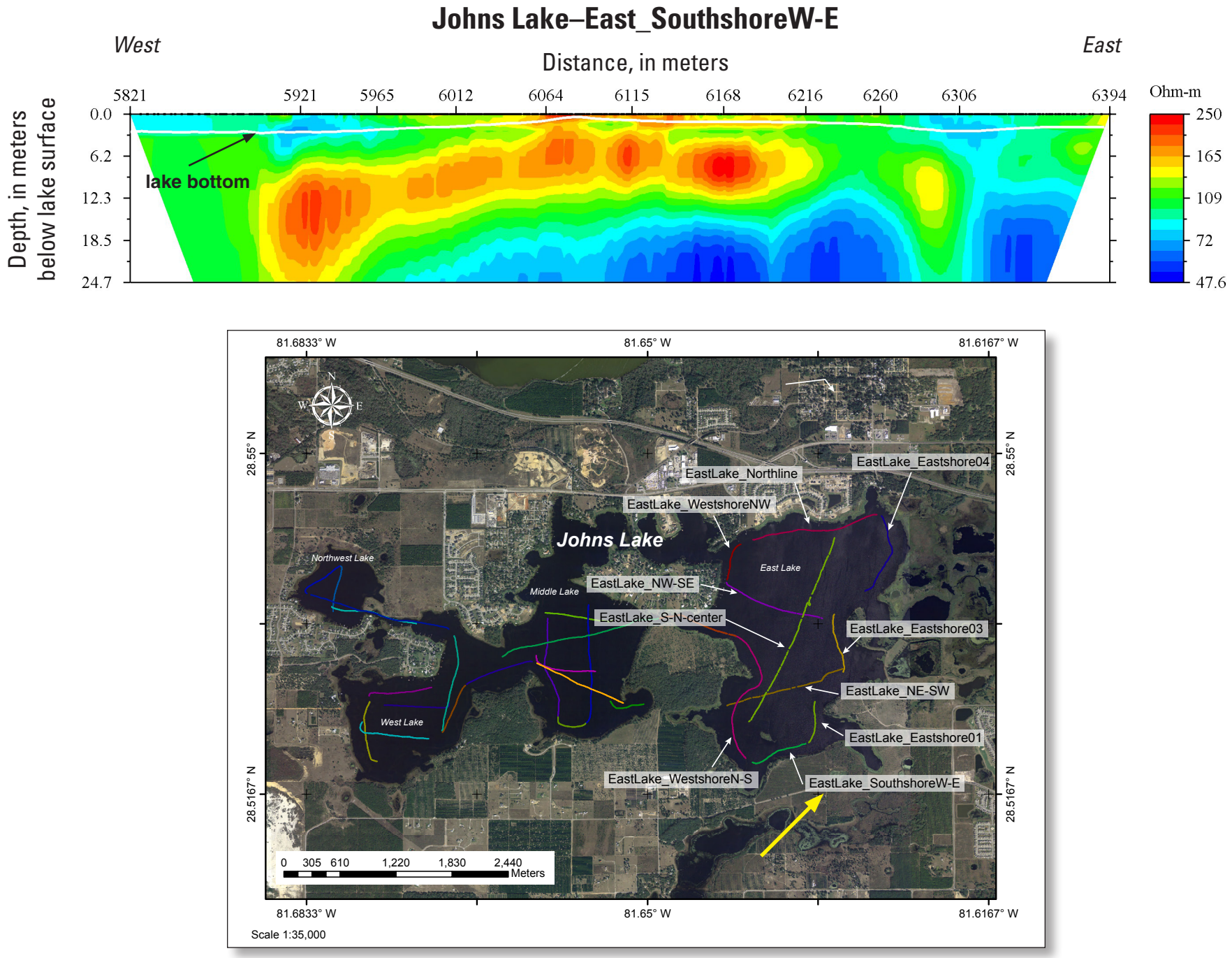


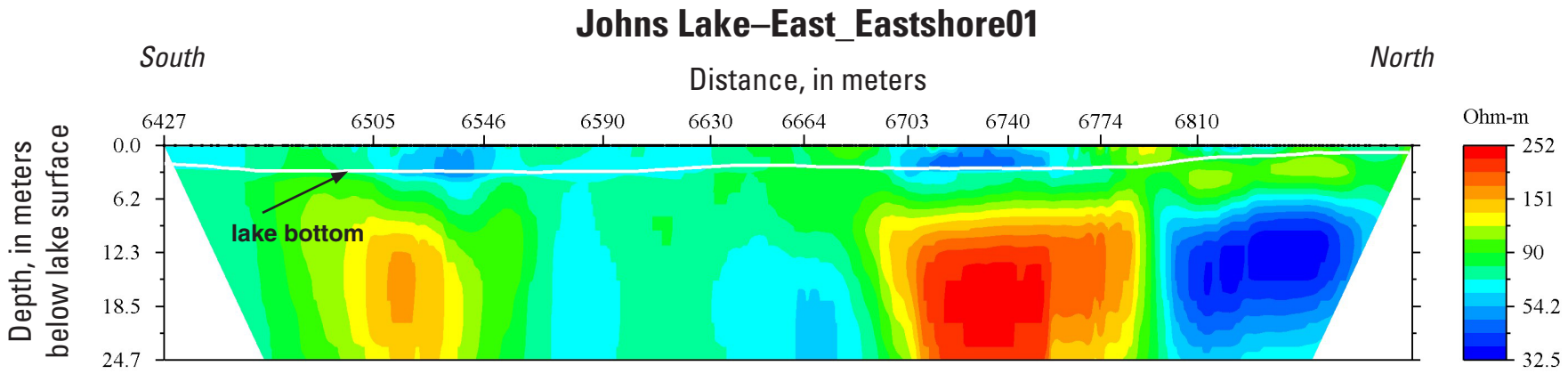
Scale 1:35,000

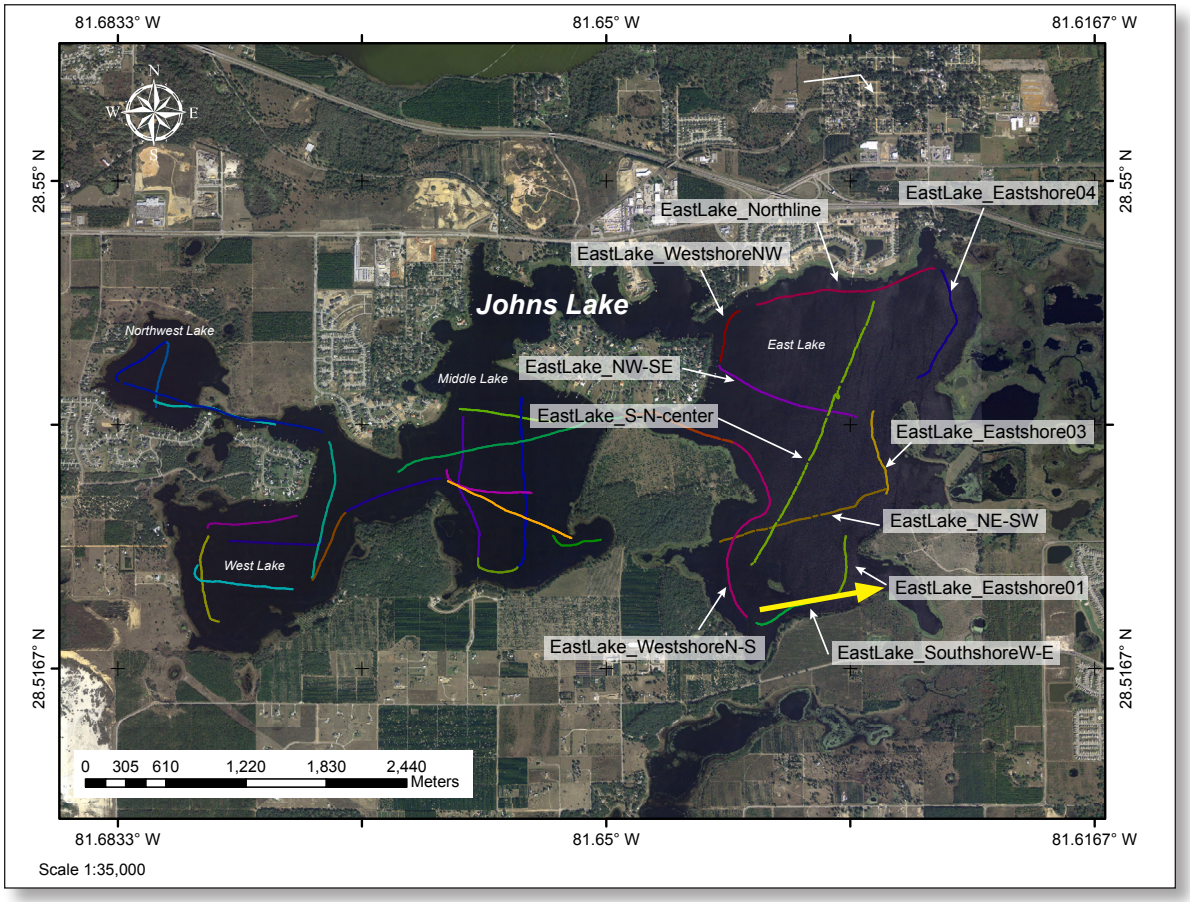
Johns Lake–East_WestshoreN-S



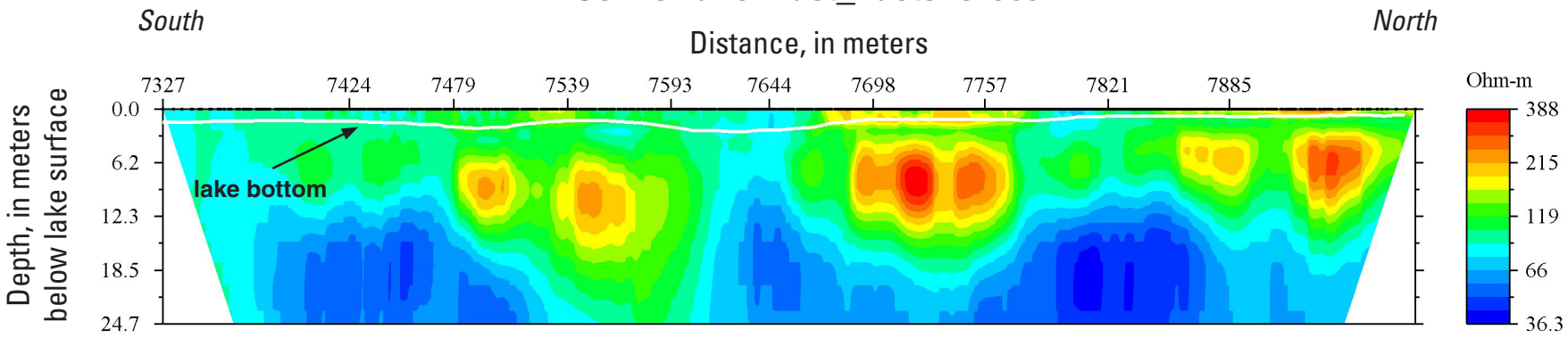


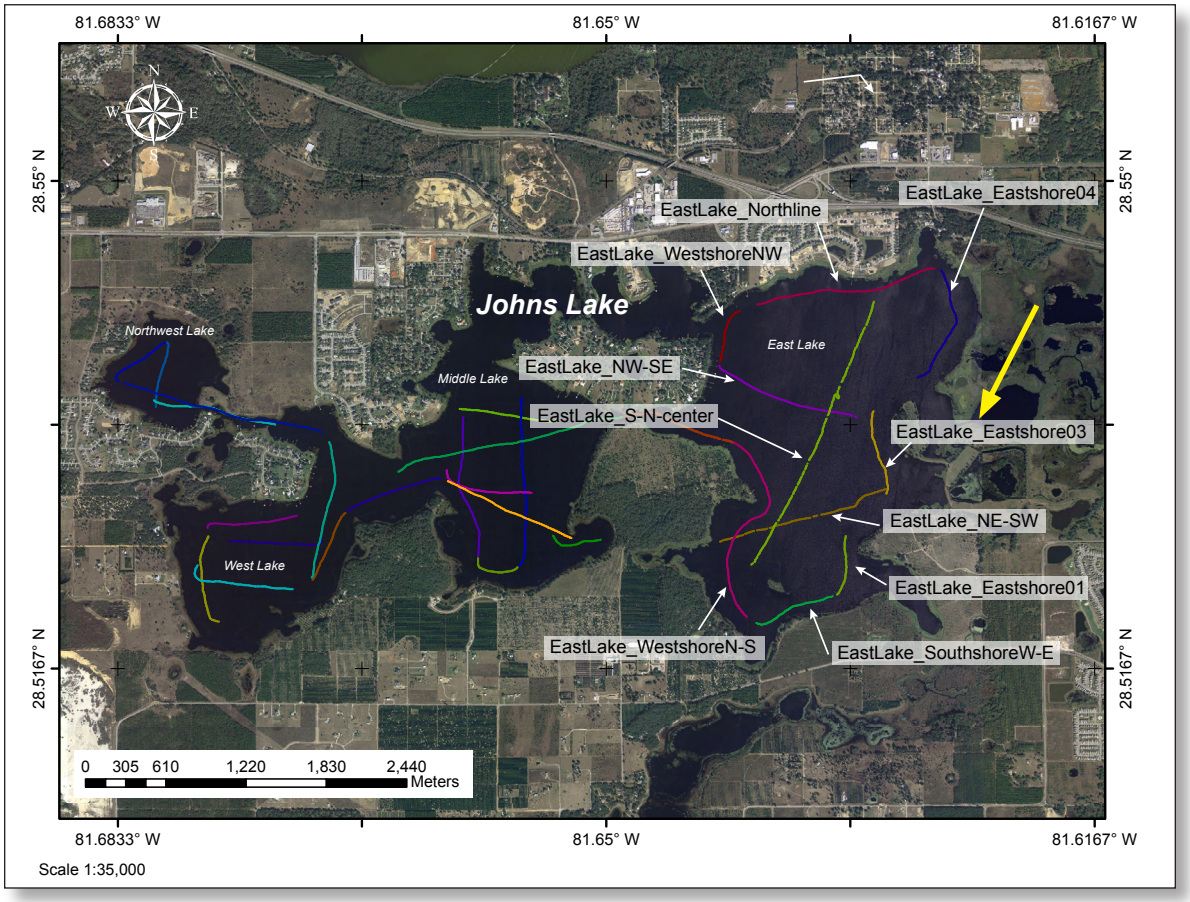

Johns Lake–East_SouthshoreW-E
West
East
Distance, in meters
5821
5921
5965
6012
6064
6115
6168
6216
6260
6306
6394
Depth, in meters below lake surface
0.0
6.2
12.3
18.5
24.7
lake bottom
Ohm-m
250
165
109
72
47.6
81.6833° W
81.65° W
81.6167° W
28.55° N
28.5167° N
EastLake_Northline
EastLake_Eastshore04
EastLake_WestshoreNW
Johns Lake
Northwest Lake
East Lake
Middle Lake
EastLake_NW-SE
EastLake_S-N-center
EastLake_Eastshore03
EastLake_NE-SW
West Lake
EastLake_Eastshore01
EastLake_WestshoreN-S
EastLake_SouthshoreW-E
0 305 610 1,220 1,830 2,440
Meters
Scale 1:35,000


Johns Lake–East_Eastshore01
South
North
Distance, in meters
6427
6505
6546
6590
6630
6664
6703
6740
6774
6810
Depth, in meters below lake surface
0.0
6.2
12.3
18.5
24.7
lake bottom
Ohm-m
252
151
90
54.2
32.5

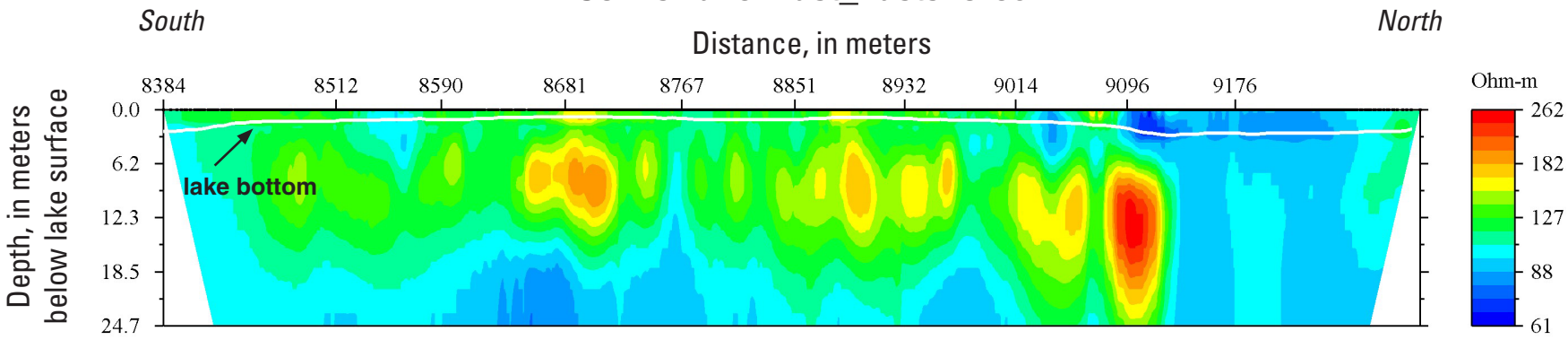

81.6833° W
81.65° W
81.6167° W
28.55° N
28.5167° N
N
W
E
S
EastLake_Northline
EastLake_Eastshore04
EastLake_WestshoreNW
Johns Lake
Northwest Lake
East Lake
Middle Lake
EastLake_NW-SE
EastLake_S-N-center
EastLake_Eastshore03
EastLake_NE-SW
West Lake
EastLake_Eastshore01
EastLake_WestshoreN-S
EastLake_SouthshoreW-E
0 305 610 1,220 1,830 2,440
Meters
Scale 1:35,000

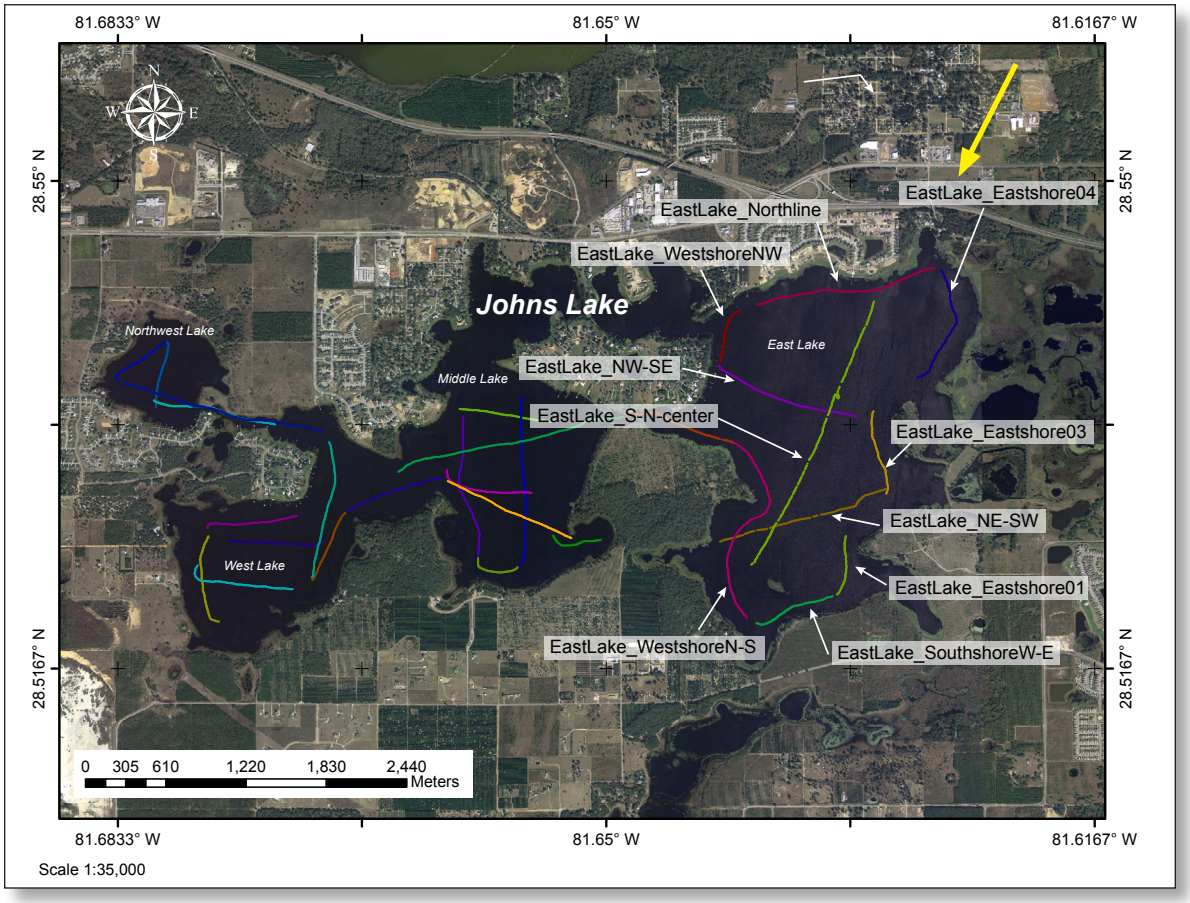
Johns Lake–East_Eastshore03

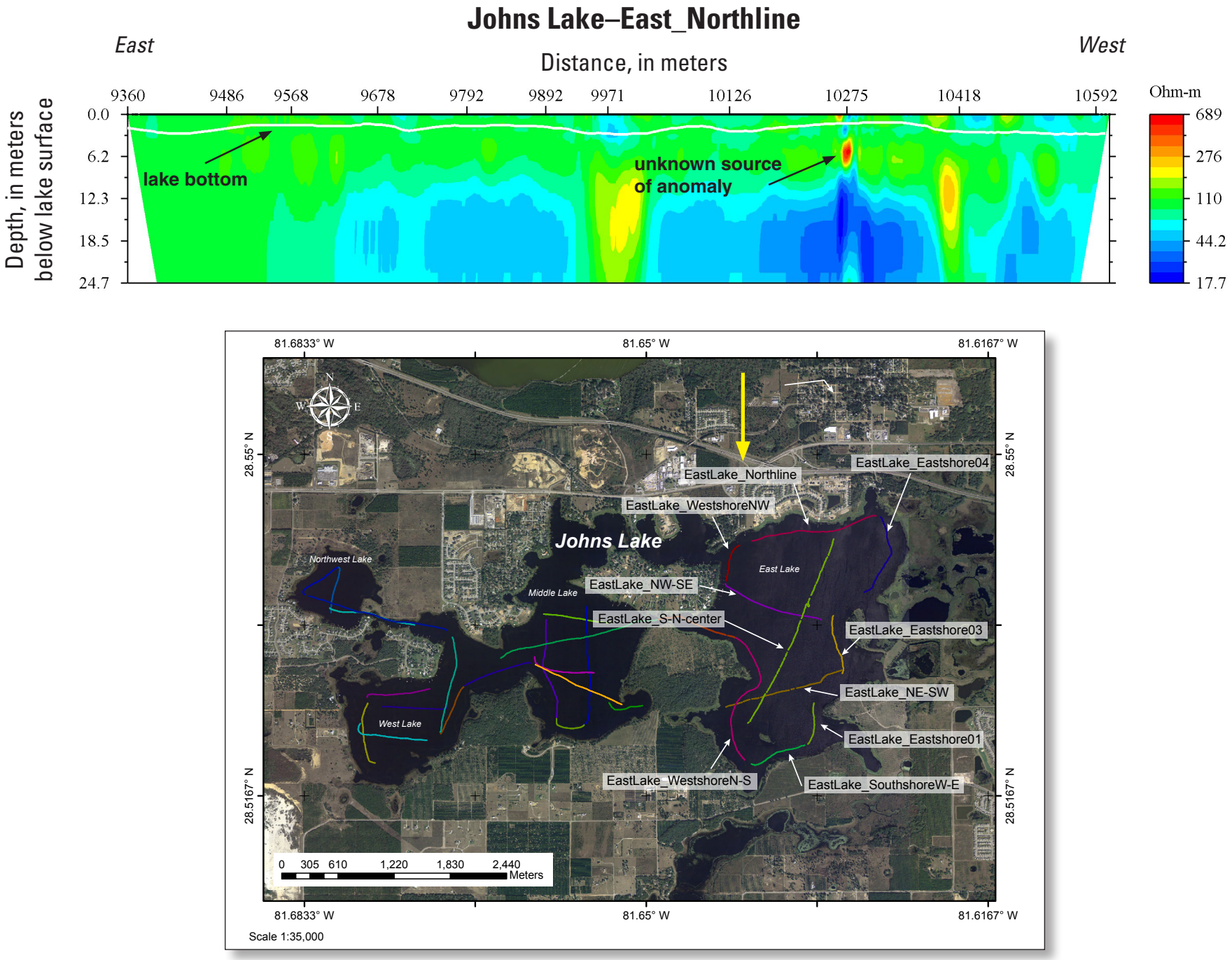


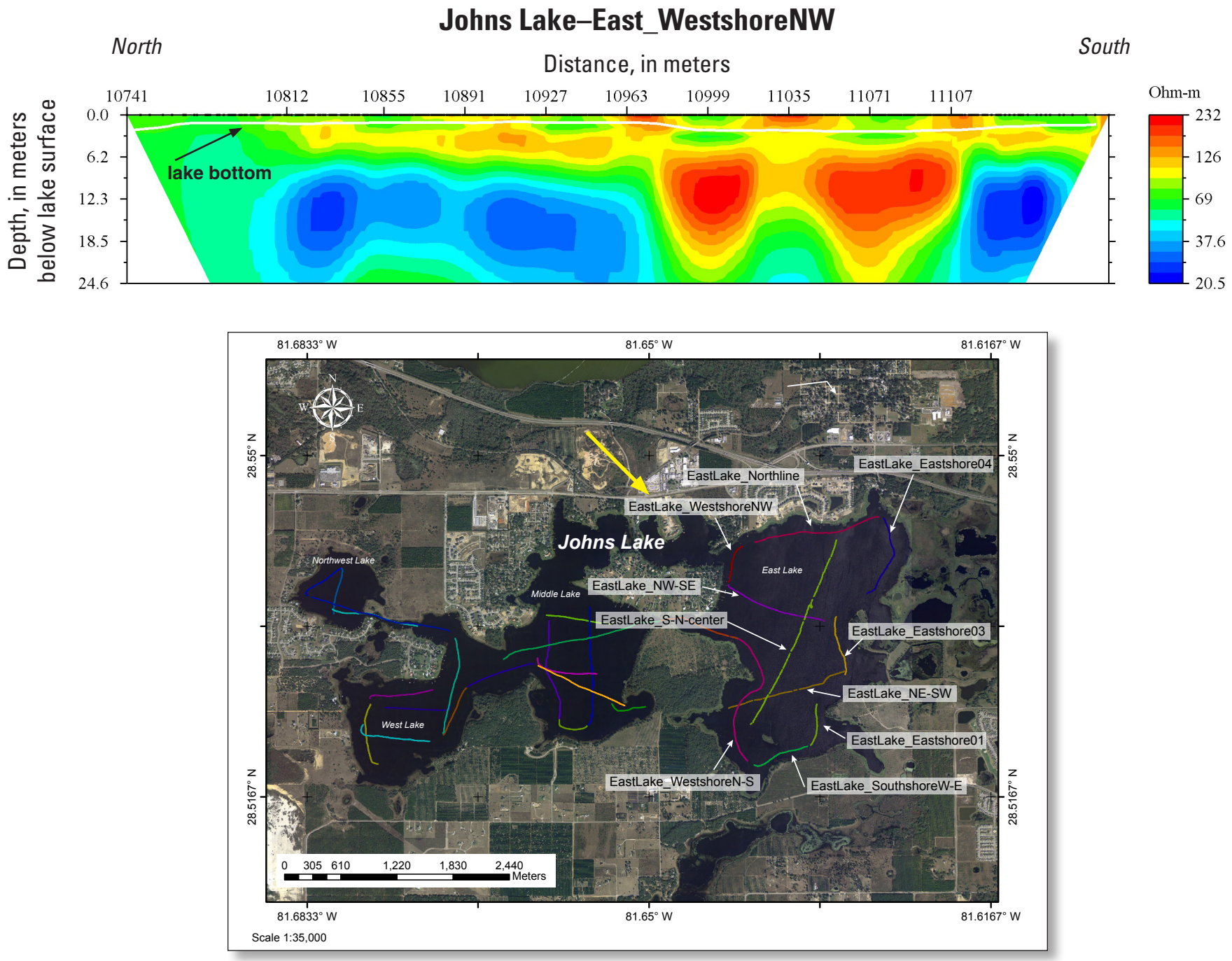


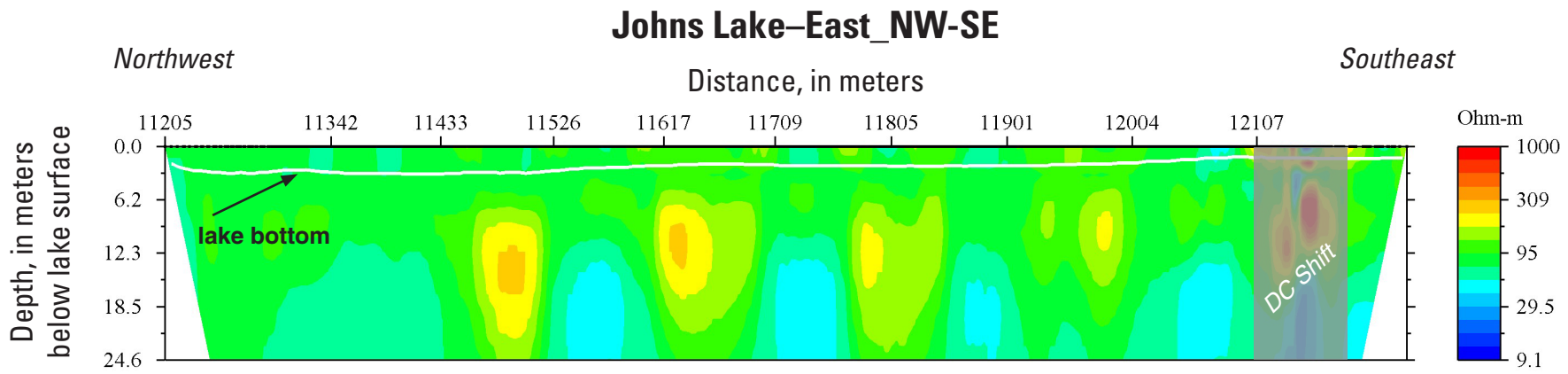
Johns Lake–East_Eastshore04

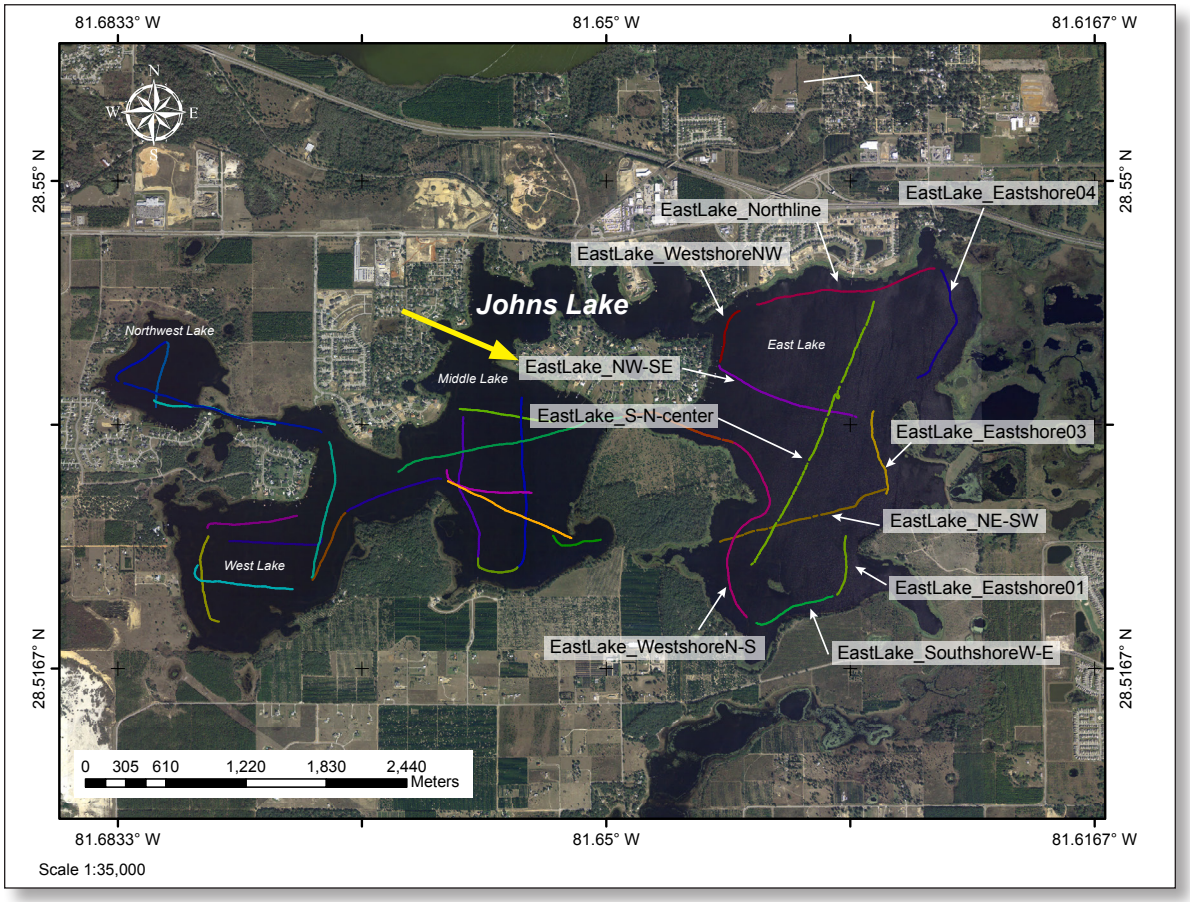


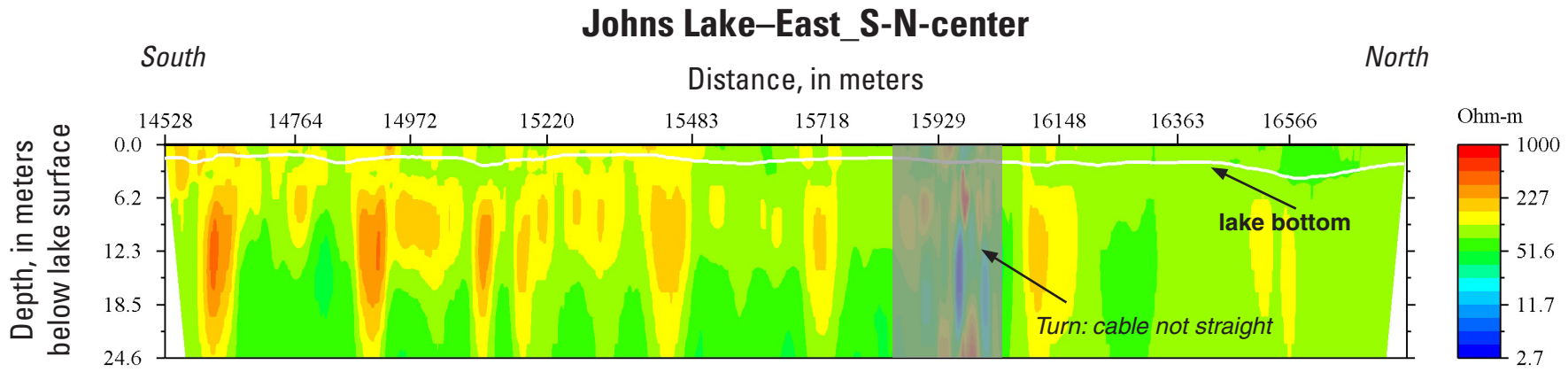


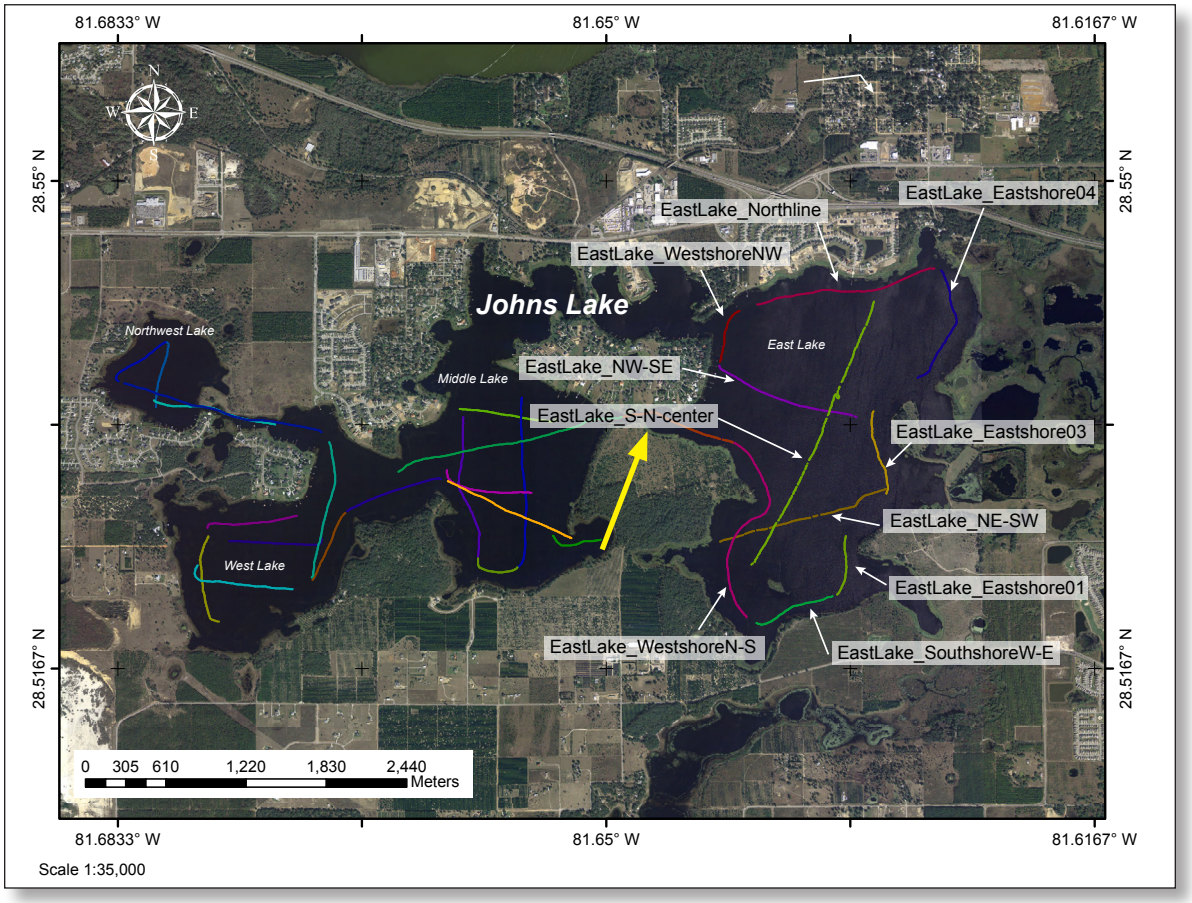

Johns Lake–East_Northline
East
West
Distance, in meters
9360
9486
9568
9678
9792
9892
9971
10126
10275
10418
10592
Depth, in meters below lake surface
0.0
6.2
12.3
18.5
24.7
lake bottom
unknown source of anomaly
Ohm-m
689
276
110
44.2
17.7
81.6833° W
81.65° W
81.6167° W
28.55° N
28.5167° N
EastLake_Northline
EastLake_Eastshore04
EastLake_WestshoreNW
Johns Lake
Northwest Lake
East Lake
Middle Lake
EastLake_NW-SE
EastLake_S-N-center
EastLake_Eastshore03
EastLake_NE-SW
West Lake
EastLake_Eastshore01
EastLake_WestshoreN-S
EastLake_SouthshoreW-E
0 305 610 1,220 1,830 2,440
Meters
Scale 1:35,000

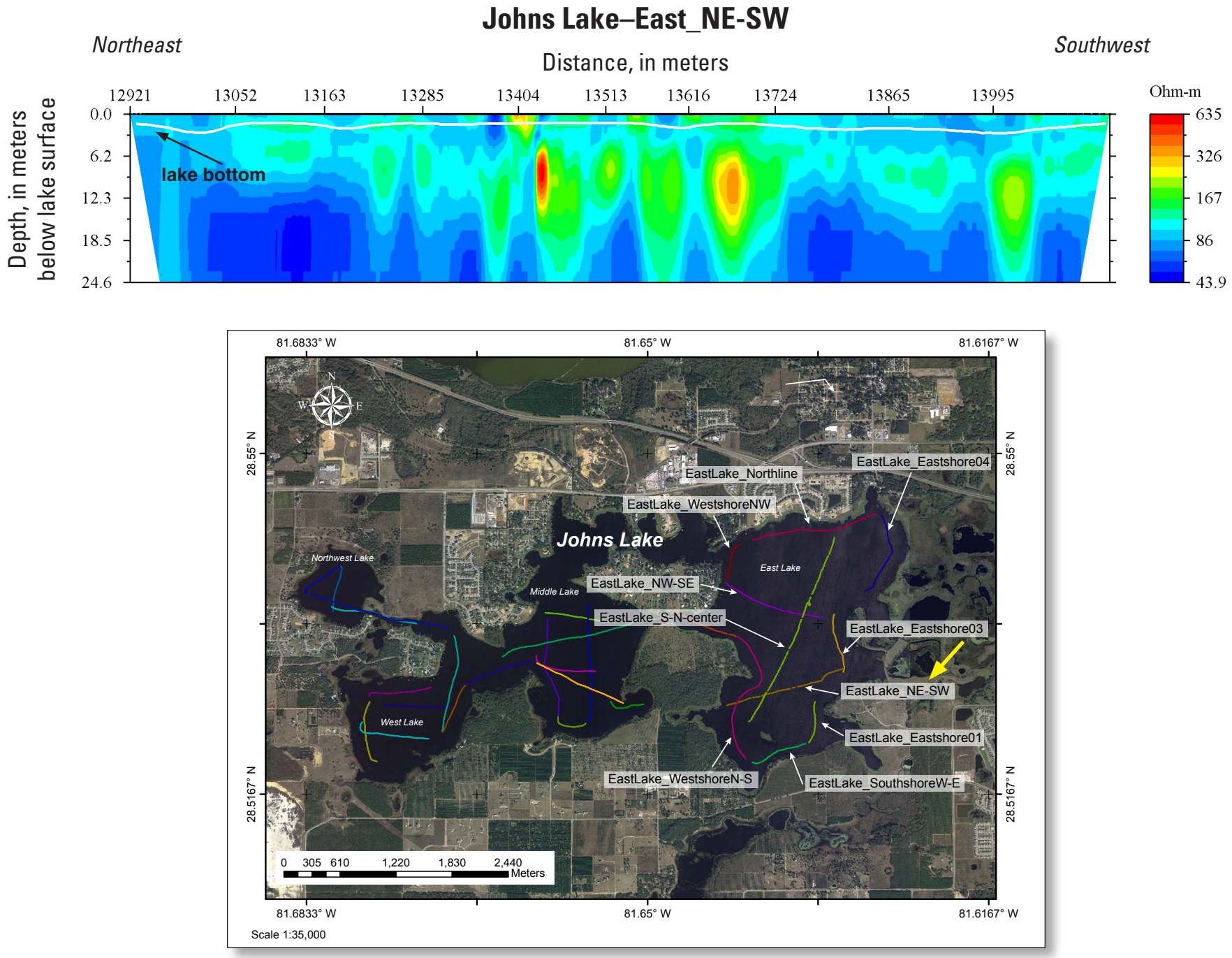

Johns Lake–East_WestshoreNW
North
South
Distance, in meters
10741
10812
10855
10891
10927
10963
10999
11035
11071
11107
Depth, in meters below lake surface
0.0
6.2
12.3
18.5
24.6
lake bottom
Ohm-m
232
126
69
37.6
20.5
81.6833° W
81.65° W
81.6167° W
28.55° N
28.5167° N
EastLake_Northline
EastLake_Eastshore04
EastLake_WestshoreNW
Johns Lake
Northwest Lake
East Lake
Middle Lake
EastLake_NW-SE
EastLake_S-N-center
EastLake_Eastshore03
EastLake_NE-SW
West Lake
EastLake_Eastshore01
EastLake_WestshoreN-S
EastLake_SouthshoreW-E
0 305 610 1,220 1,830 2,440
Meters
Scale 1:35,000


Johns Lake–East_NW-SE
Northwest
Southeast
Distance, in meters
11205
11342
11433
11526
11617
11709
11805
11901
12004
12107
Depth, in meters below lake surface
0.0
6.2
12.3
18.5
24.6
lake bottom
DC Shift
Ohm-m
1000
309
95
29.5
9.1

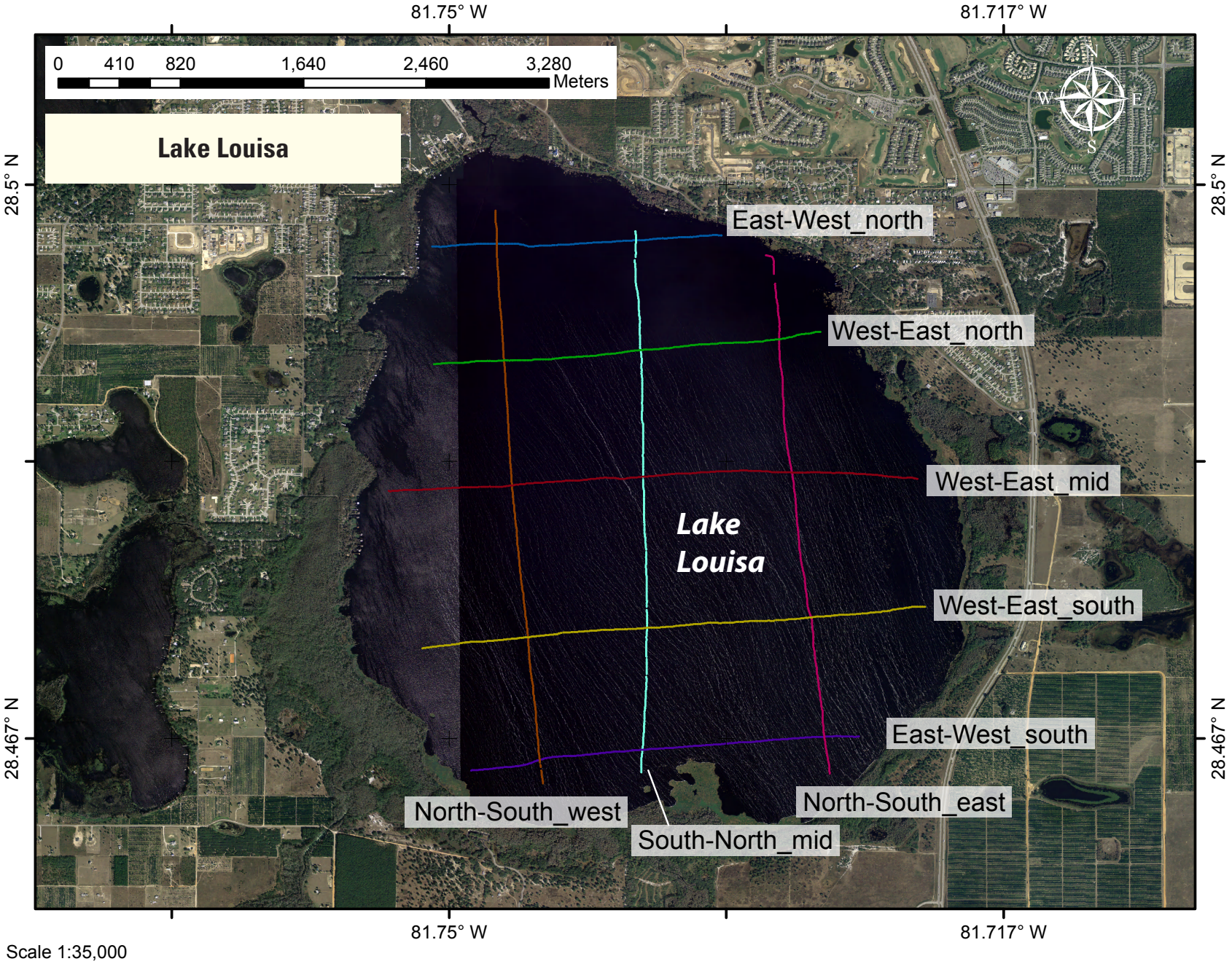

81.6833° W
81.65° W
81.6167° W
28.55° N
28.5167° N
N
W
E
S
EastLake_Northline
EastLake_Eastshore04
EastLake_WestshoreNW
Johns Lake
Northwest Lake
East Lake
Middle Lake
EastLake_NW-SE
EastLake_S-N-center
EastLake_Eastshore03
EastLake_NE-SW
West Lake
EastLake_Eastshore01
EastLake_WestshoreN-S
EastLake_SouthshoreW-E
0 305 610 1,220 1,830 2,440
Meters
Scale 1:35,000


Johns Lake–East_S-N-center
South
North
Distance, in meters
14528
14764
14972
15220
15483
15718
15929
16148
16363
16566
Depth, in meters below lake surface
0.0
6.2
12.3
18.5
24.6
lake bottom
Turn: cable not straight
Ohm-m
1000
227
51.6
11.7
2.7

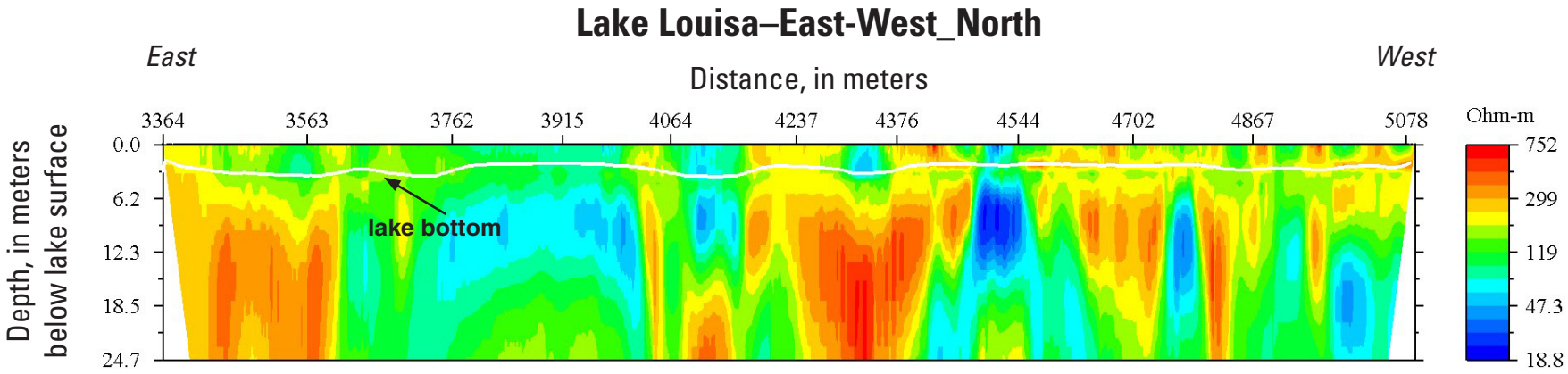

81.6833° W
81.65° W
81.6167° W
28.55° N
28.5167° N
EastLake_Northline
EastLake_Eastshore04
EastLake_WestshoreNW
Johns Lake
Northwest Lake
East Lake
Middle Lake
EastLake_NW-SE
EastLake_S-N-center
EastLake_Eastshore03
EastLake_NE-SW
West Lake
EastLake_Eastshore01
EastLake_WestshoreN-S
EastLake_SouthshoreW-E
0 305 610 1,220 1,830 2,440
Meters
Scale 1:35,000

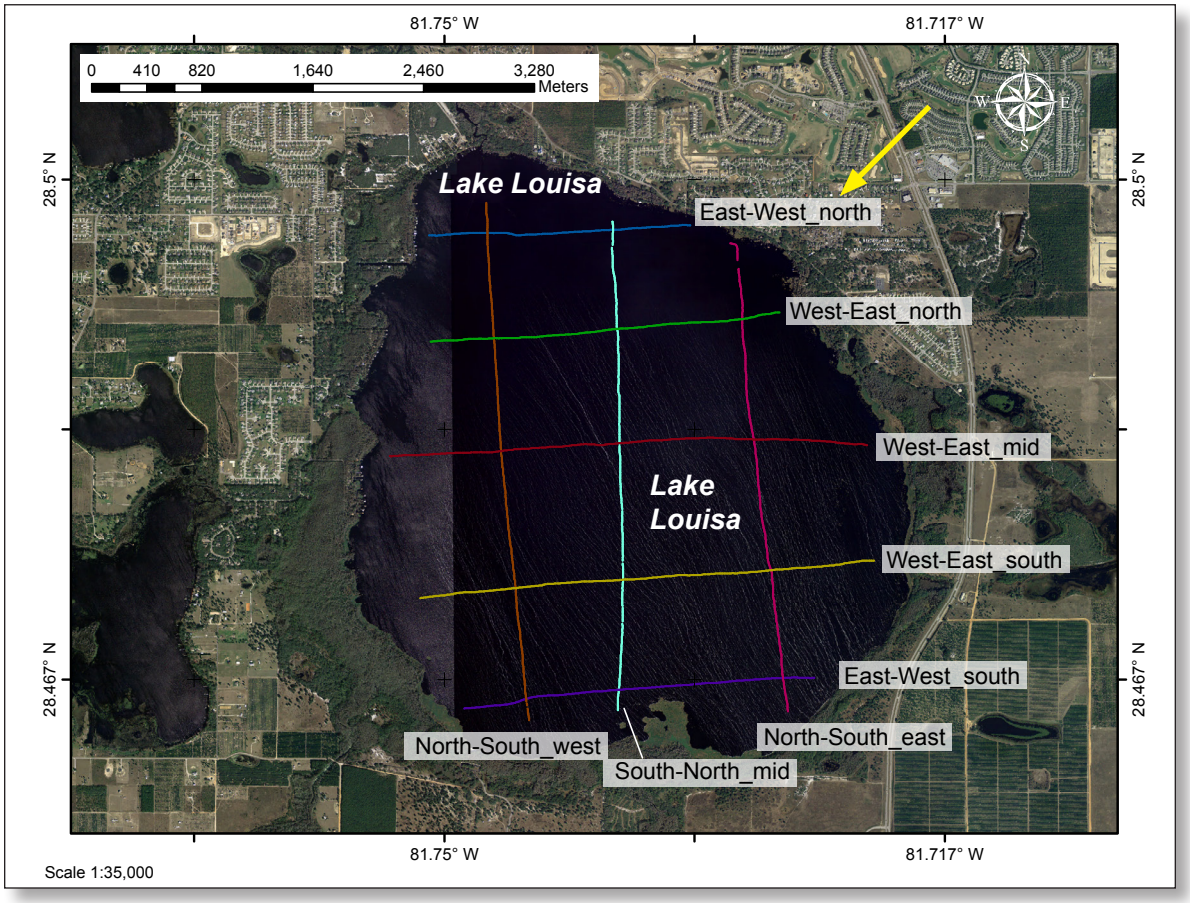

Johns Lake–East_NE-SW
Northeast
Southwest
Distance, in meters
12921
13052
13163
13285
13404
13513
13616
13724
13865
13995
Depth, in meters below lake surface
0.0
6.2
12.3
18.5
24.6
lake bottom
Ohm-m
635
326
167
86
43.9
81.6833° W
81.65° W
81.6167° W
28.55° N
28.5167° N
EastLake_Northline
EastLake_Eastshore04
EastLake_WestshoreNW
Johns Lake
Northwest Lake
East Lake
Middle Lake
EastLake_NW-SE
EastLake_S-N-center
EastLake_Eastshore03
EastLake_NE-SW
West Lake
EastLake_Eastshore01
EastLake_WestshoreN-S
EastLake_SouthshoreW-E
0 305 610 1,220 1,830 2,440
Meters
Scale 1:35,000

Continuous Resistivity Profiles

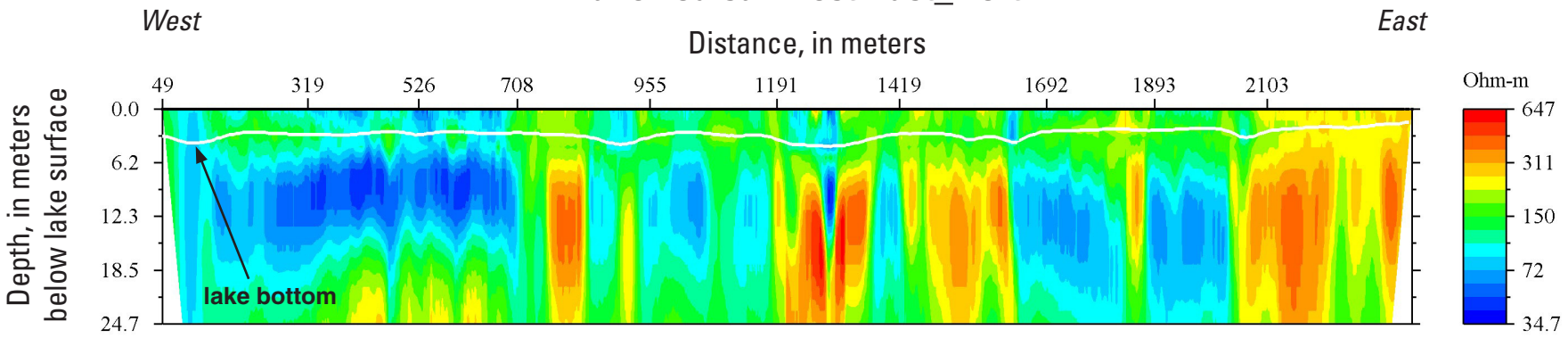


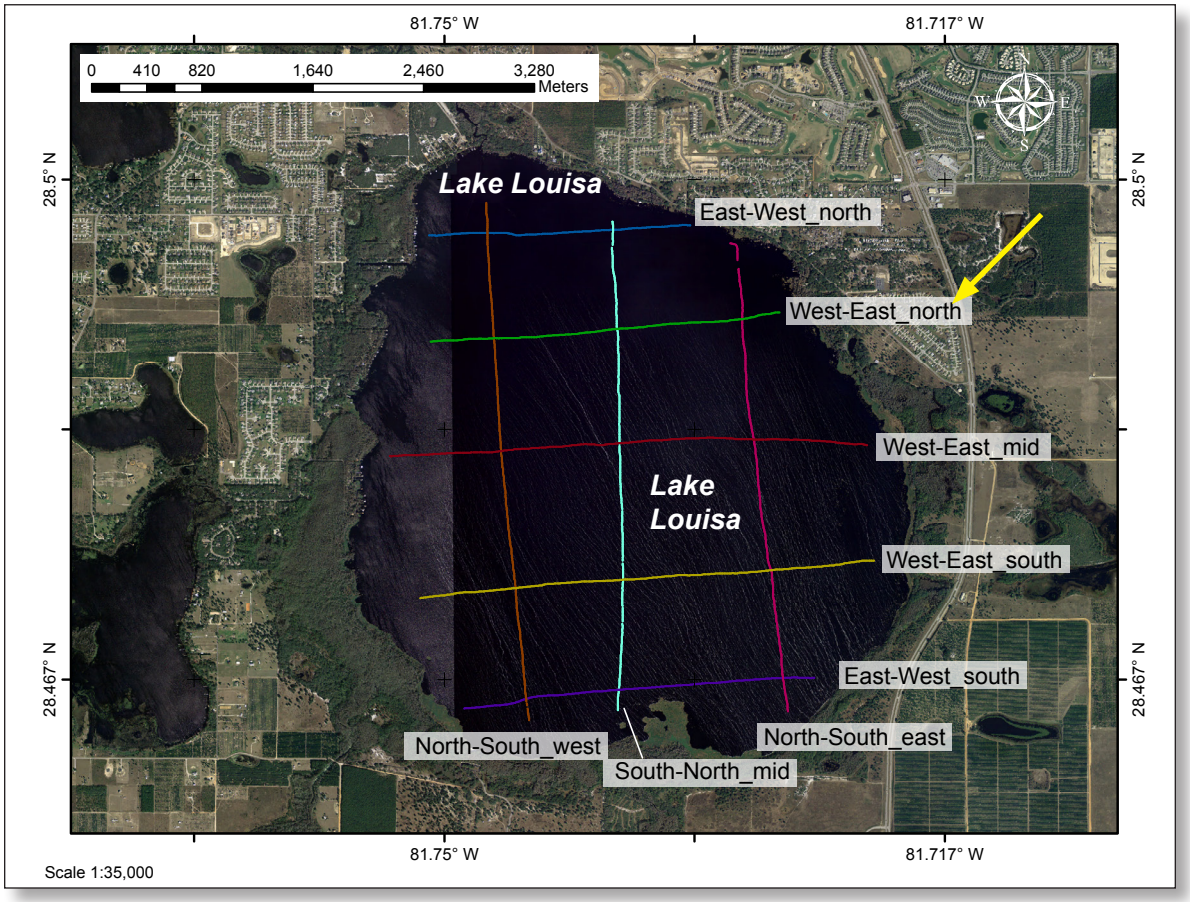
Scale 1:35,000

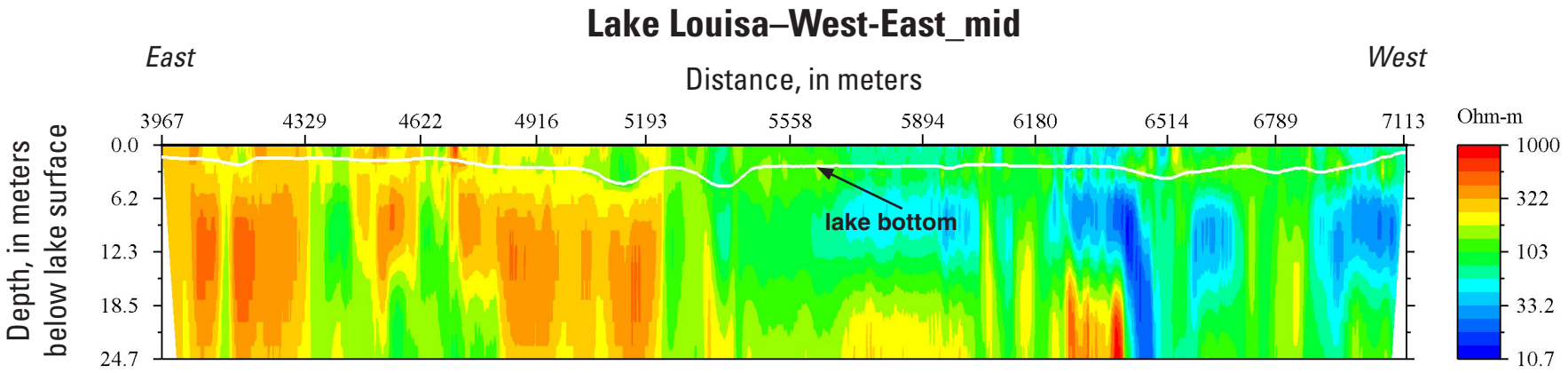

Lake Louisa–East-West_North
East
West
Distance, in meters
3364
3563
3762
3915
4064
4237
4376
4544
4702
4867
5078
Depth, in meters below lake surface
0.0
6.2
12.3
18.5
24.7
lake bottom
Ohm-m
752
299
119
47.3
18.8

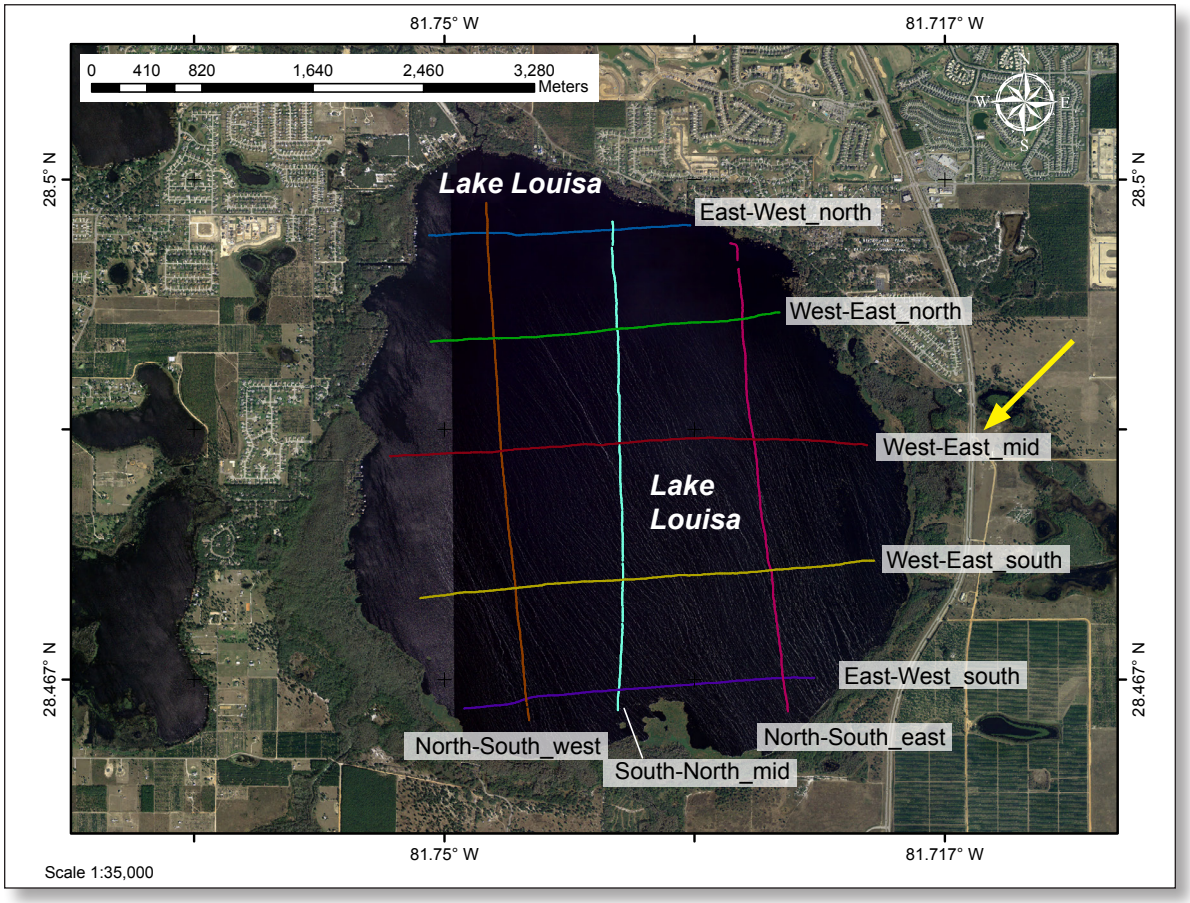

81.75° W
81.717° W
28.5° N
28.467° N
0
410
820
1,640
2,460
3,280
Meters
Lake Louisa
East-West_north
West-East_north
West-East_mid
Lake Louisa
West-East_south
East-West_south
North-South_west
South-North_mid
North-South_east
Scale 1:35,000

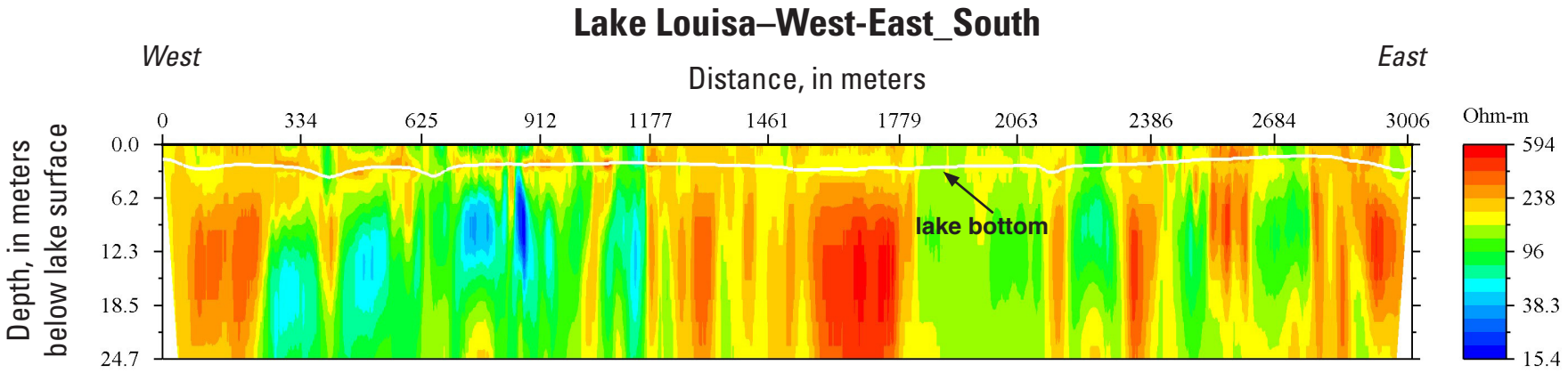
Lake Louisa–West-East_North

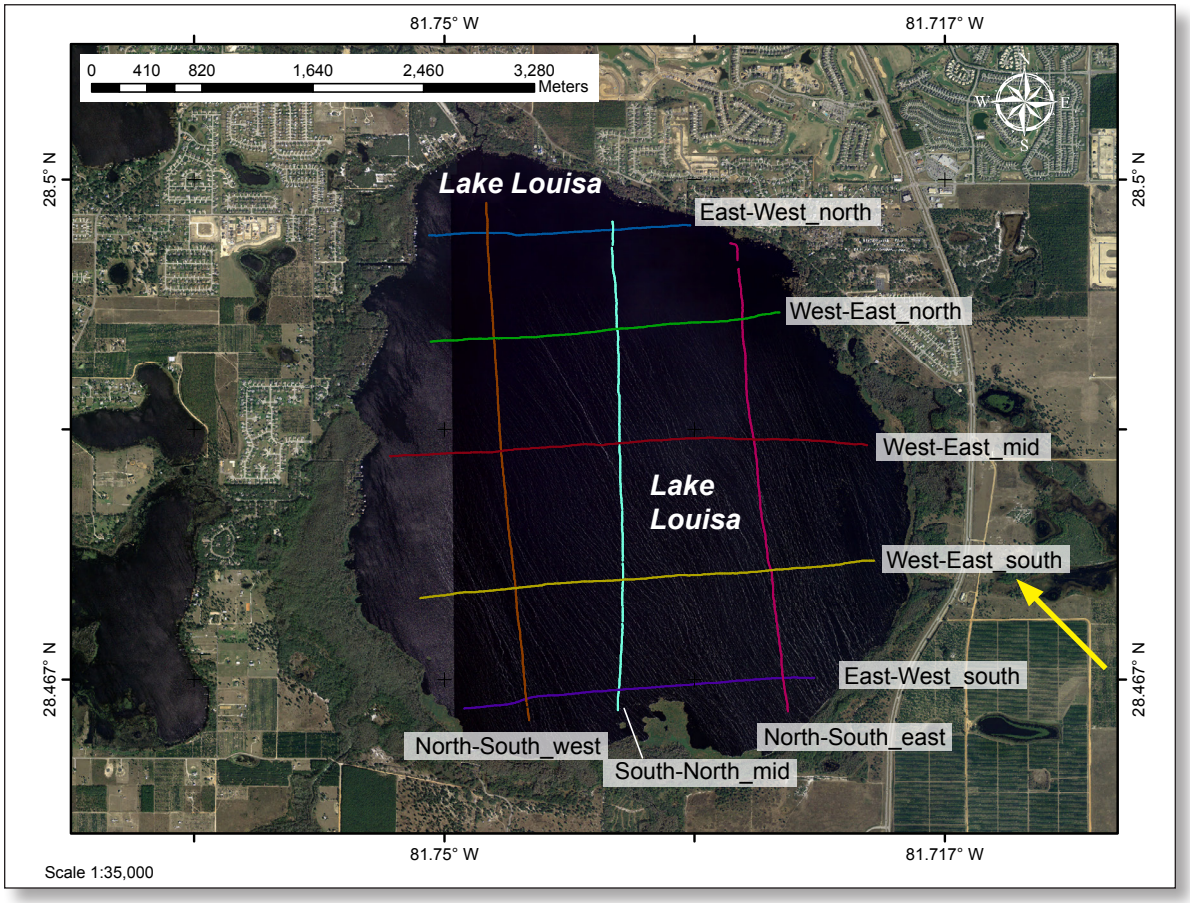




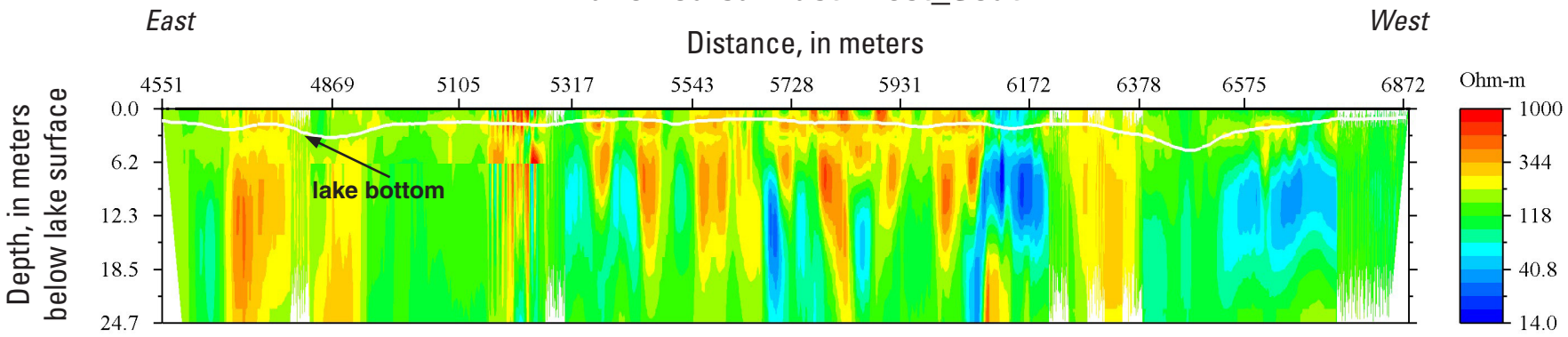

Lake Louisa–West-East_mid
East
West
Distance, in meters
3967
4329
4622
4916
5193
5558
5894
6180
6514
6789
7113
Depth, in meters below lake surface
0.0
6.2
12.3
18.5
24.7
lake bottom
Ohm-m
1000
322
103
33.2
10.7

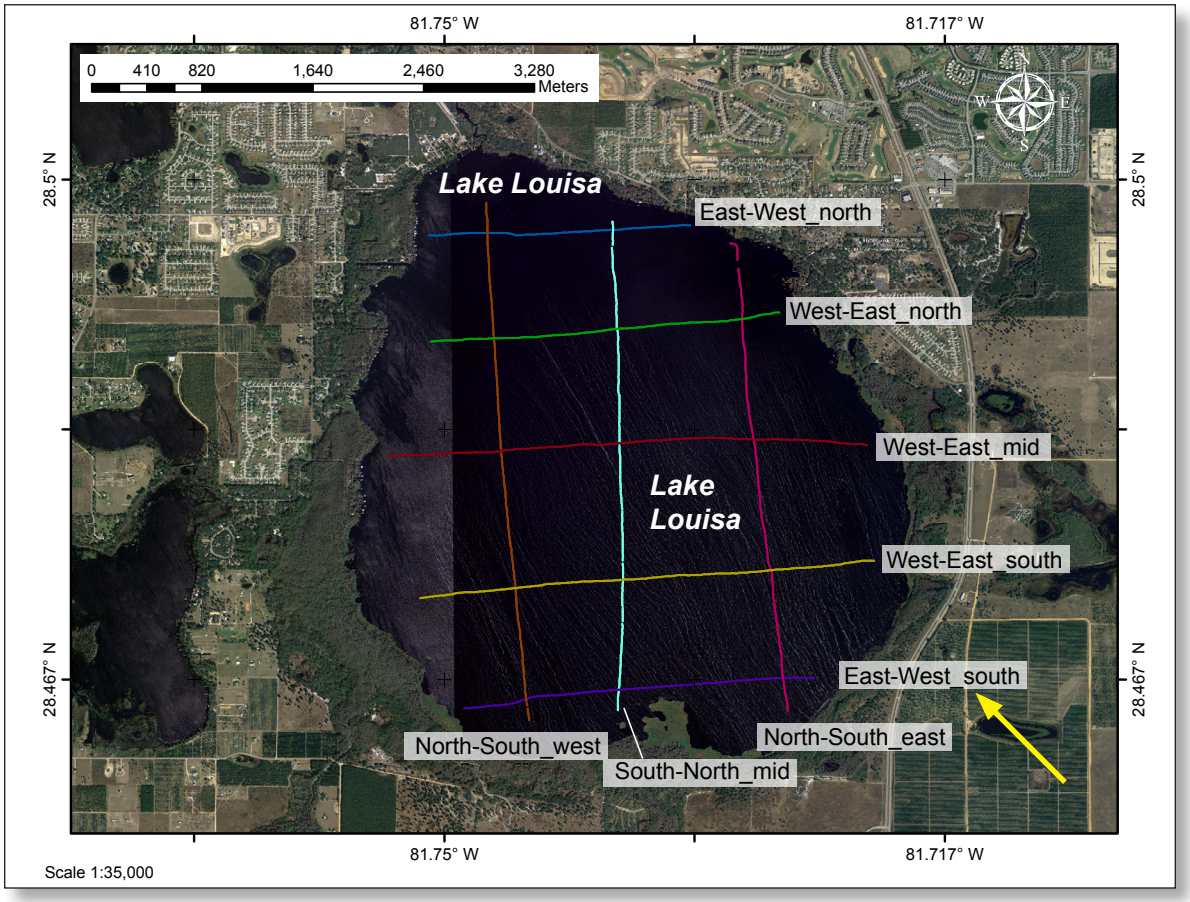

81.75° W
81.717° W
28.5° N
28.467° N
0 410 820 1,640 2,460 3,280
Meters
Lake Louisa
East-West_north
West-East_north
West-East_mid
Lake Louisa
West-East_south
East-West_south
North-South_west
South-North_mid
North-South_east
Scale 1:35,000


Lake Louisa–West-East_South
West
East
Distance, in meters
0
334
625
912
1177
1461
1779
2063
2386
2684
3006
Depth, in meters below lake surface
0.0
6.2
12.3
18.5
24.7
lake bottom
Ohm-m
594
238
96
38.3
15.4

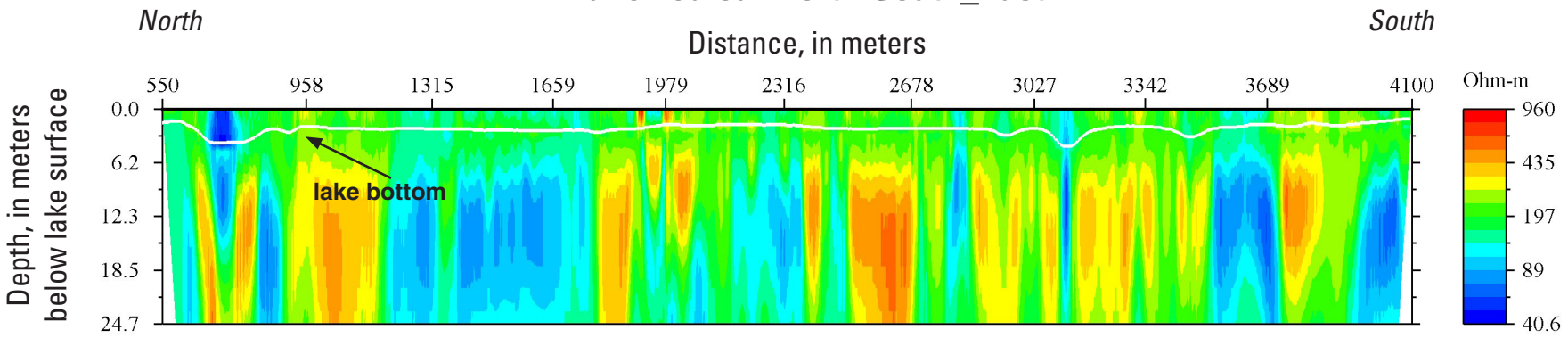

81.75° W
81.717° W
0
410
820
1,640
2,460
3,280
Meters
28.5° N
28.467° N
Lake Louisa
East-West_north
West-East_north
West-East_mid
Lake Louisa
West-East_south
East-West_south
North-South_west
South-North_mid
North-South_east
Scale 1:35,000

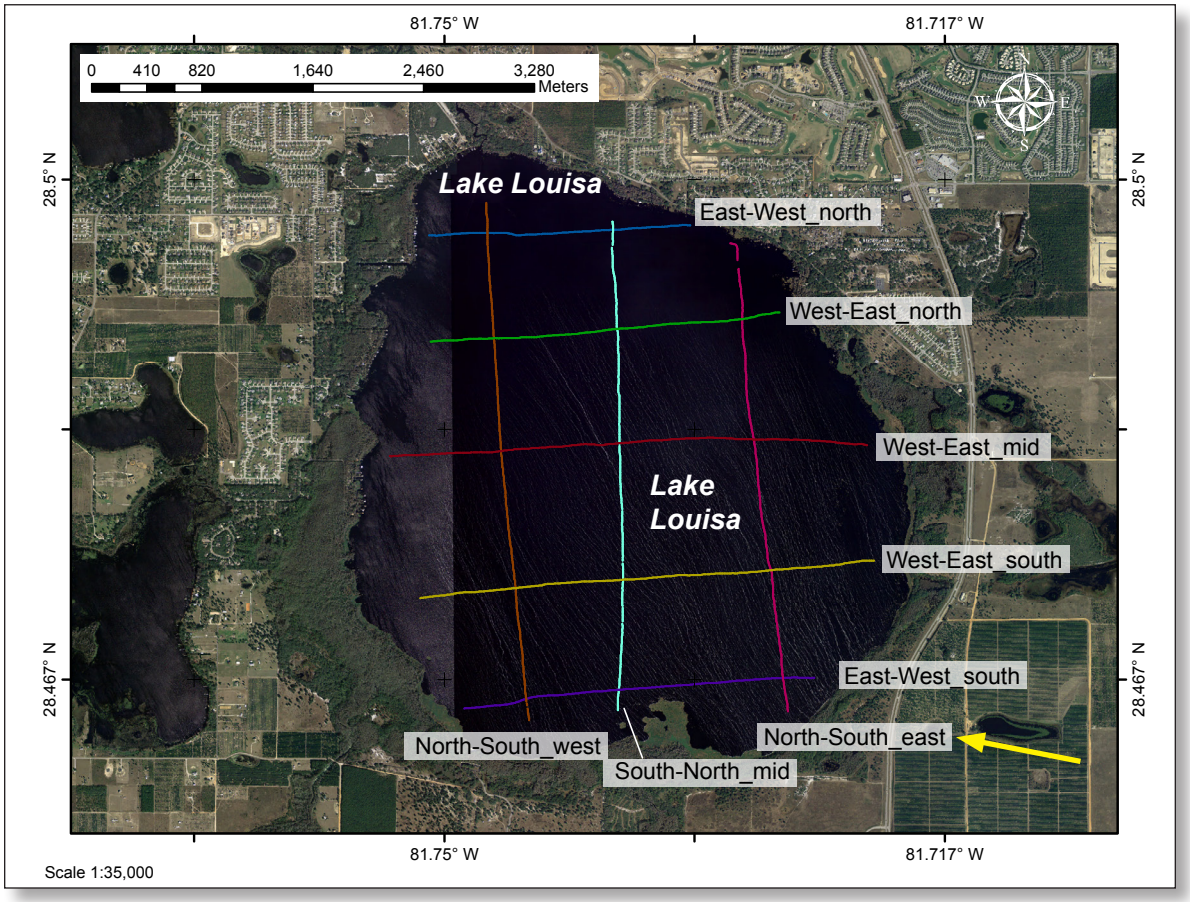
Lake Louisa–East-West_South

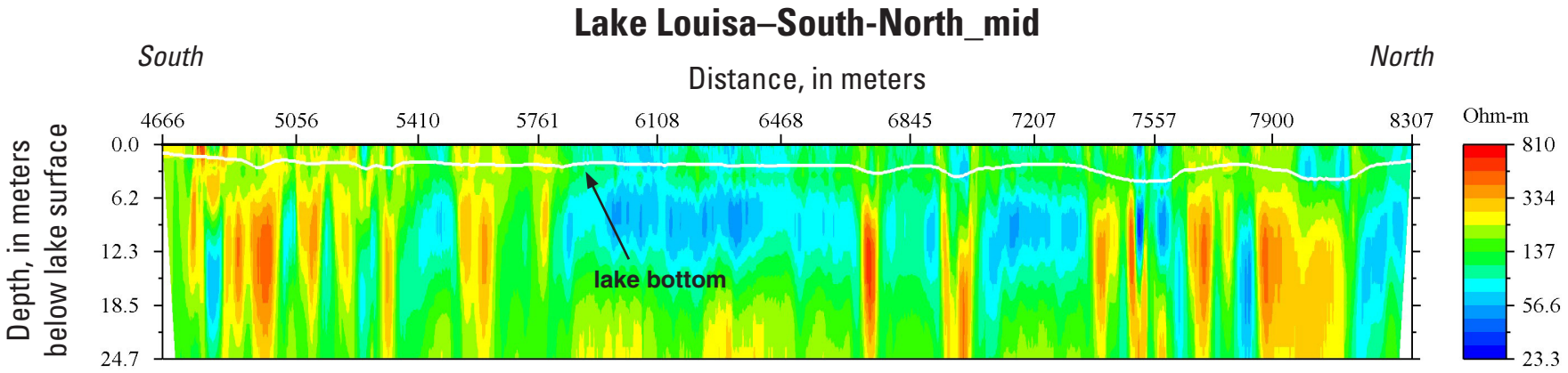


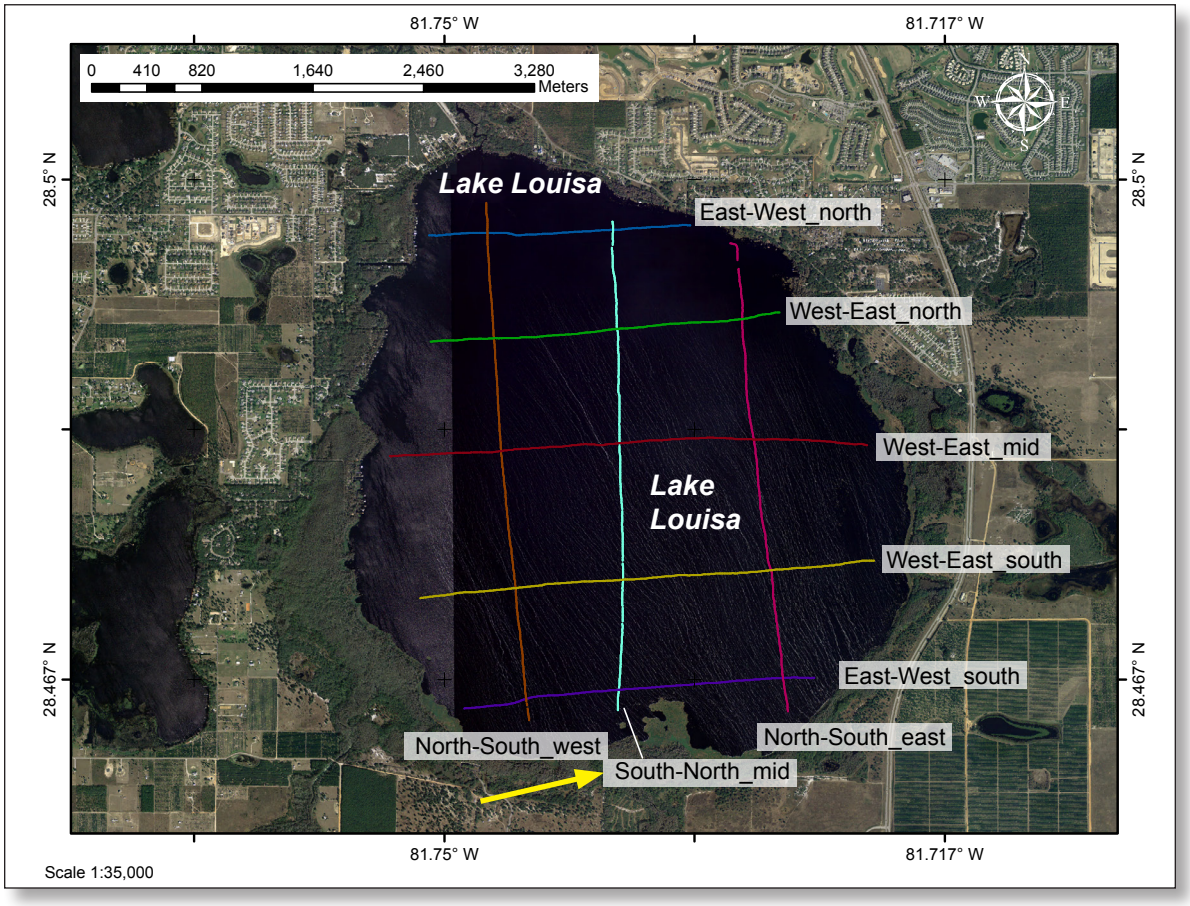


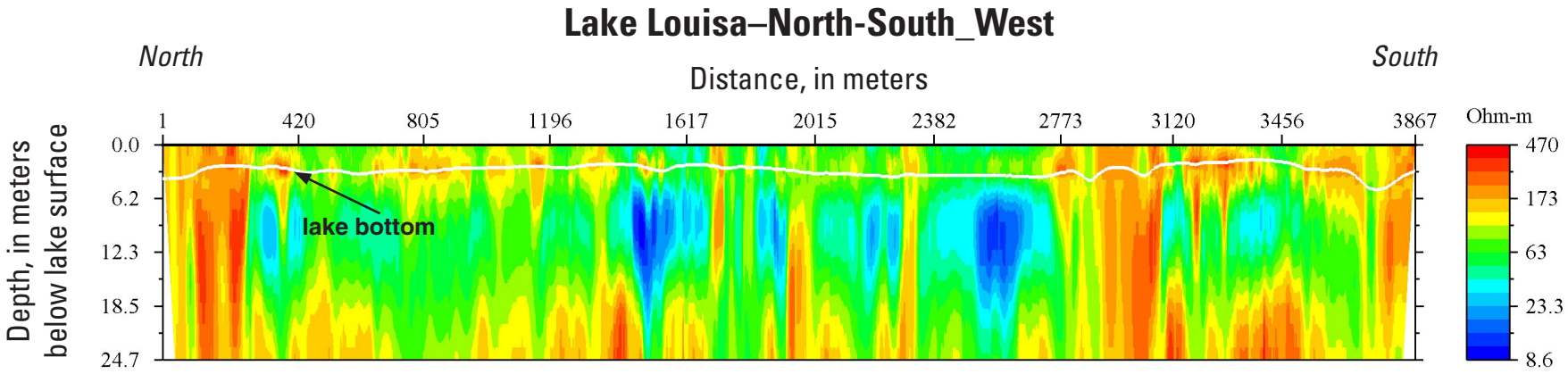
Lake Louisa–North-South_East

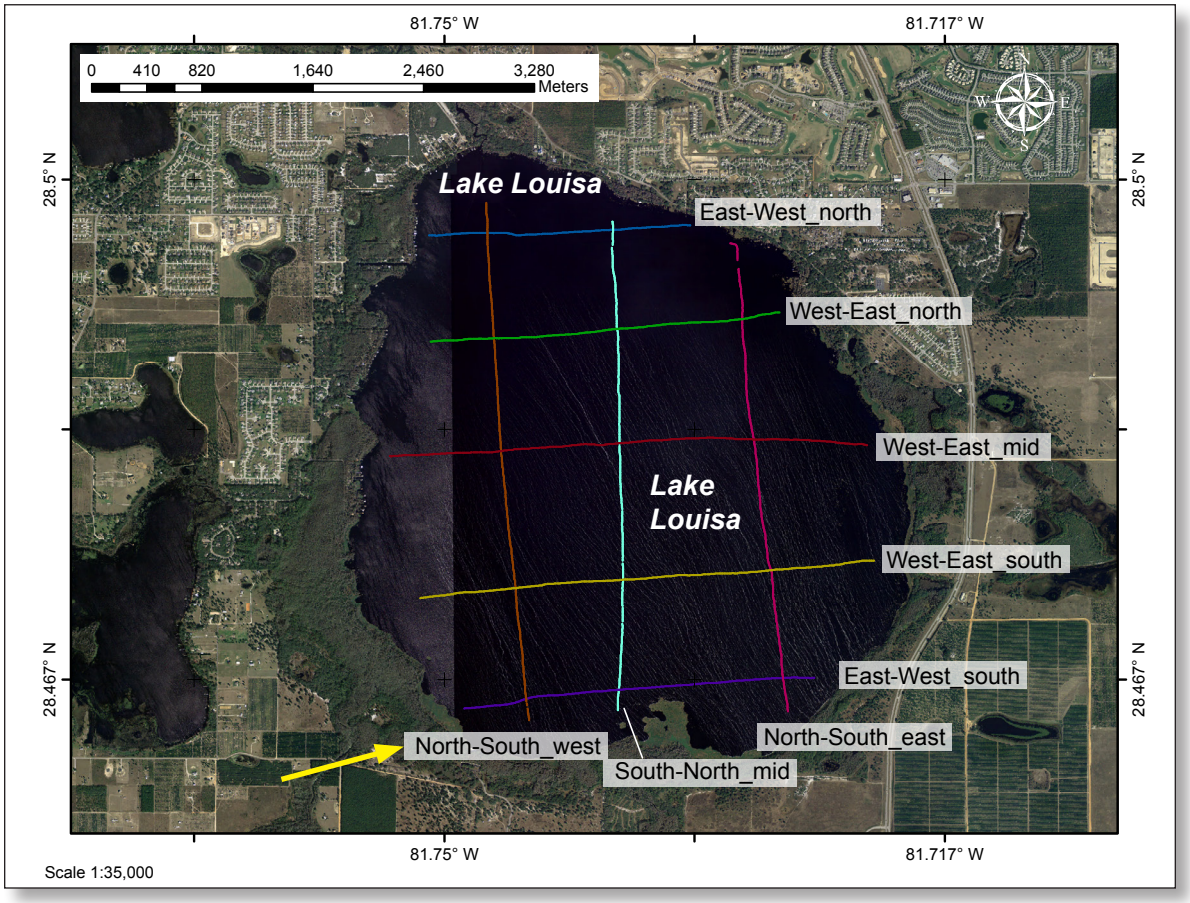




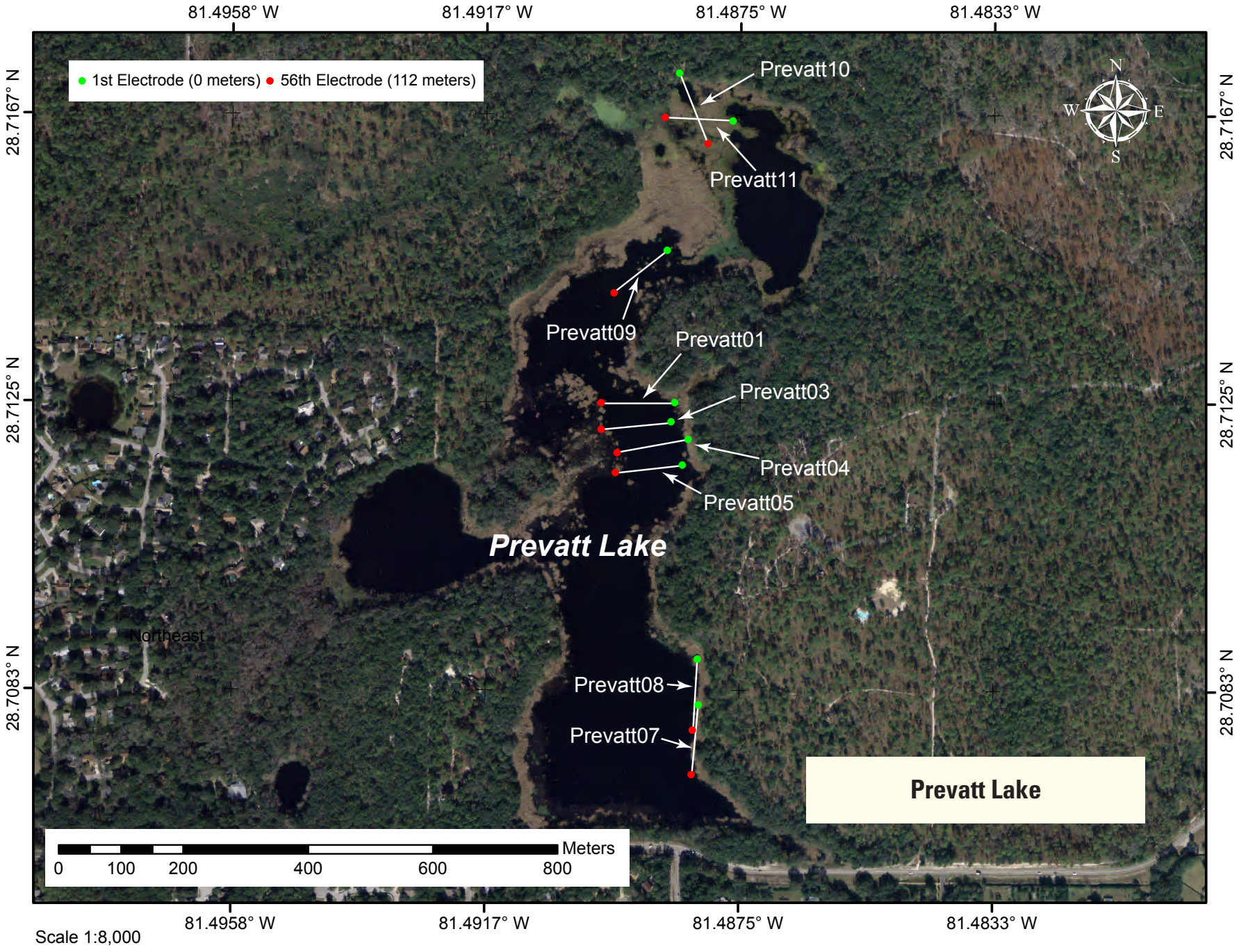

Lake Louisa–South-North_mid
South
North
Distance, in meters
4666
5056
5410
5761
6108
6468
6845
7207
7557
7900
8307
Depth, in meters below lake surface
0.0
6.2
12.3
18.5
24.7
lake bottom
Ohm-m
810
334
137
56.6
23.3


81.75° W
81.717° W
0
410
820
1,640
2,460
3,280
Meters
28.5° N
28.467° N
Lake Louisa
East-West_north
West-East_north
West-East_mid
Lake Louisa
West-East_south
East-West_south
North-South_west
North-South_east
South-North_mid
Scale 1:35,000

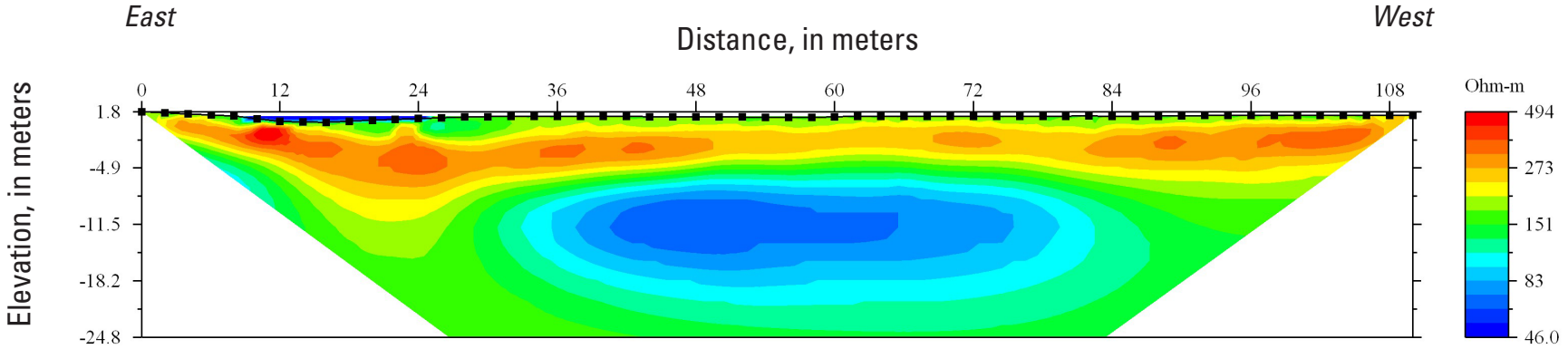

Lake Louisa–North-South_West
North
South
Distance, in meters
1
420
805
1196
1617
2015
2382
2773
3120
3456
3867
Depth, in meters below lake surface
0.0
6.2
12.3
18.5
24.7
lake bottom
Ohm-m
470
173
63
23.3
8.6

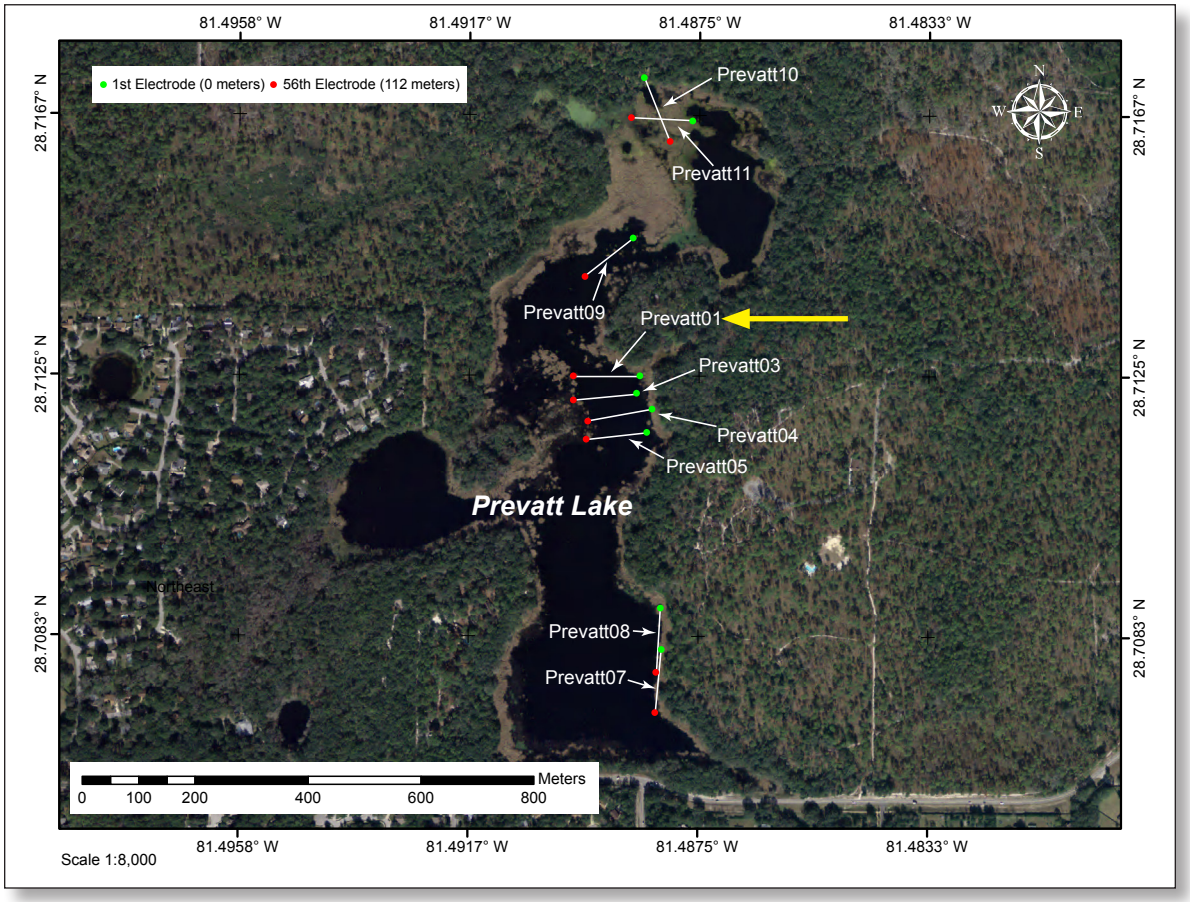

81.75° W
81.717° W
0
410
820
1,640
2,460
3,280
Meters
28.5° N
28.467° N
Lake Louisa
East-West_north
West-East_north
West-East_mid
Lake Louisa
West-East_south
East-West_south
North-South_west
South-North_mid
North-South_east
Scale 1:35,000

Land-Based Resistivity Profiles

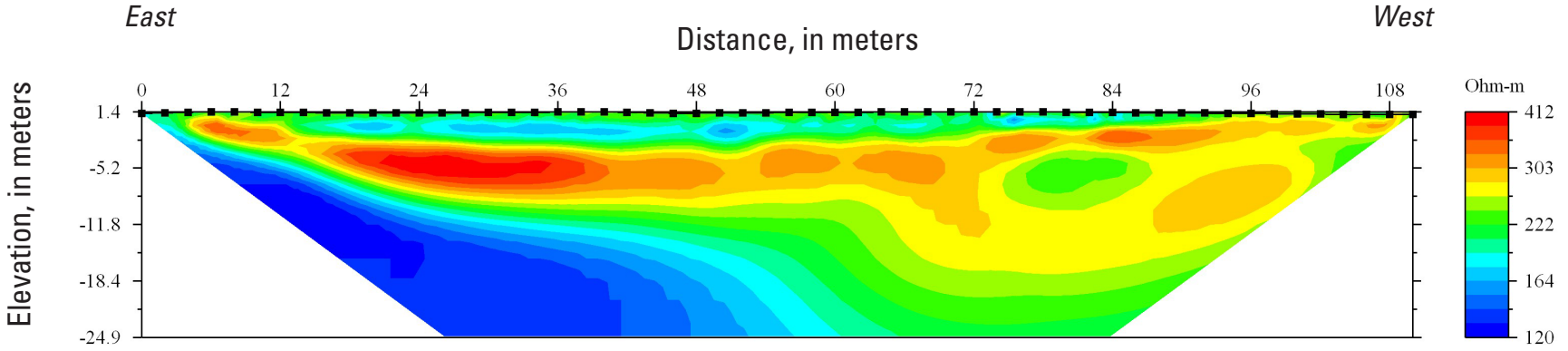


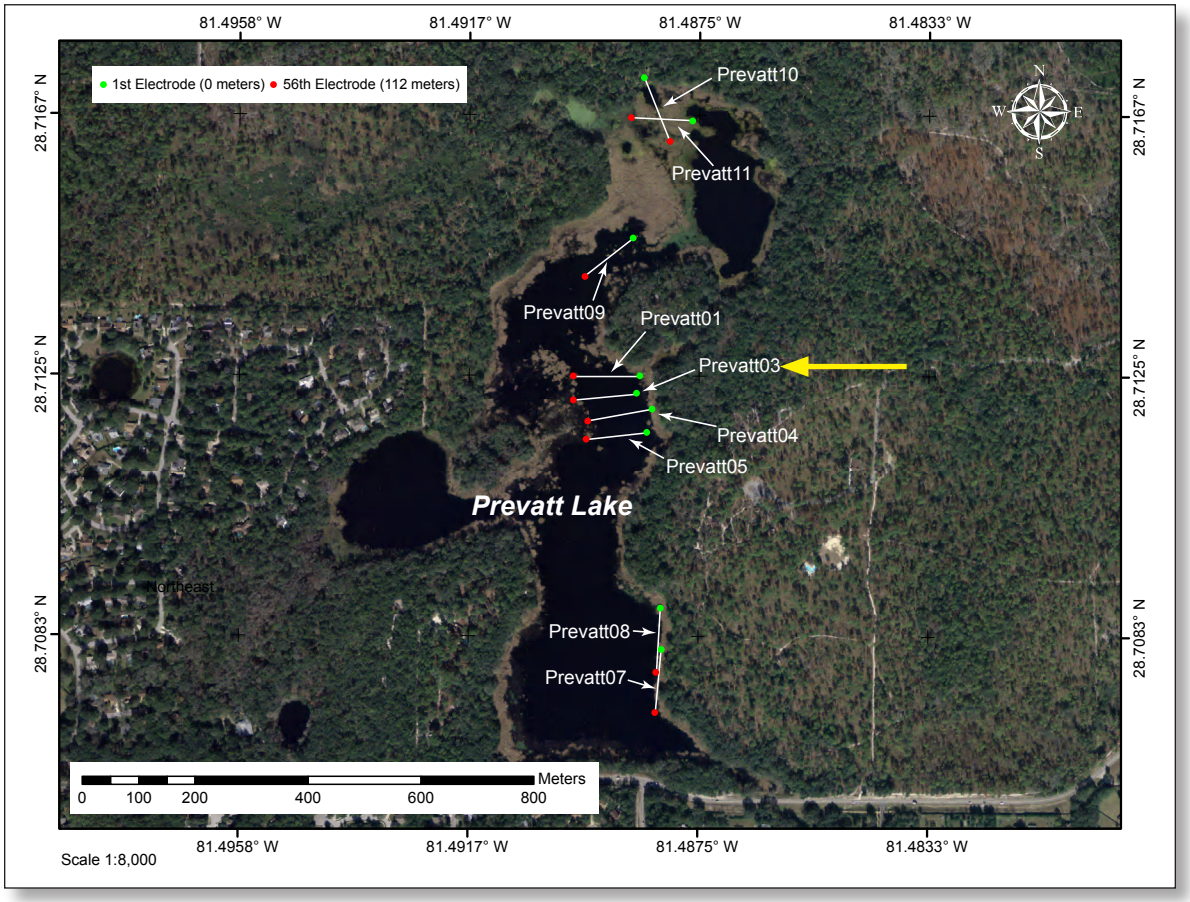
Prevatt Lake–Line01



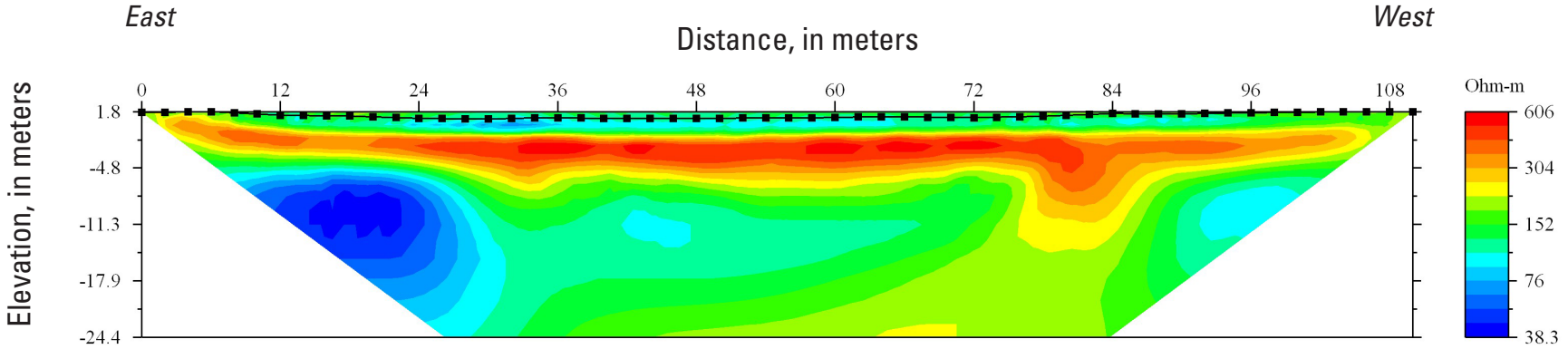


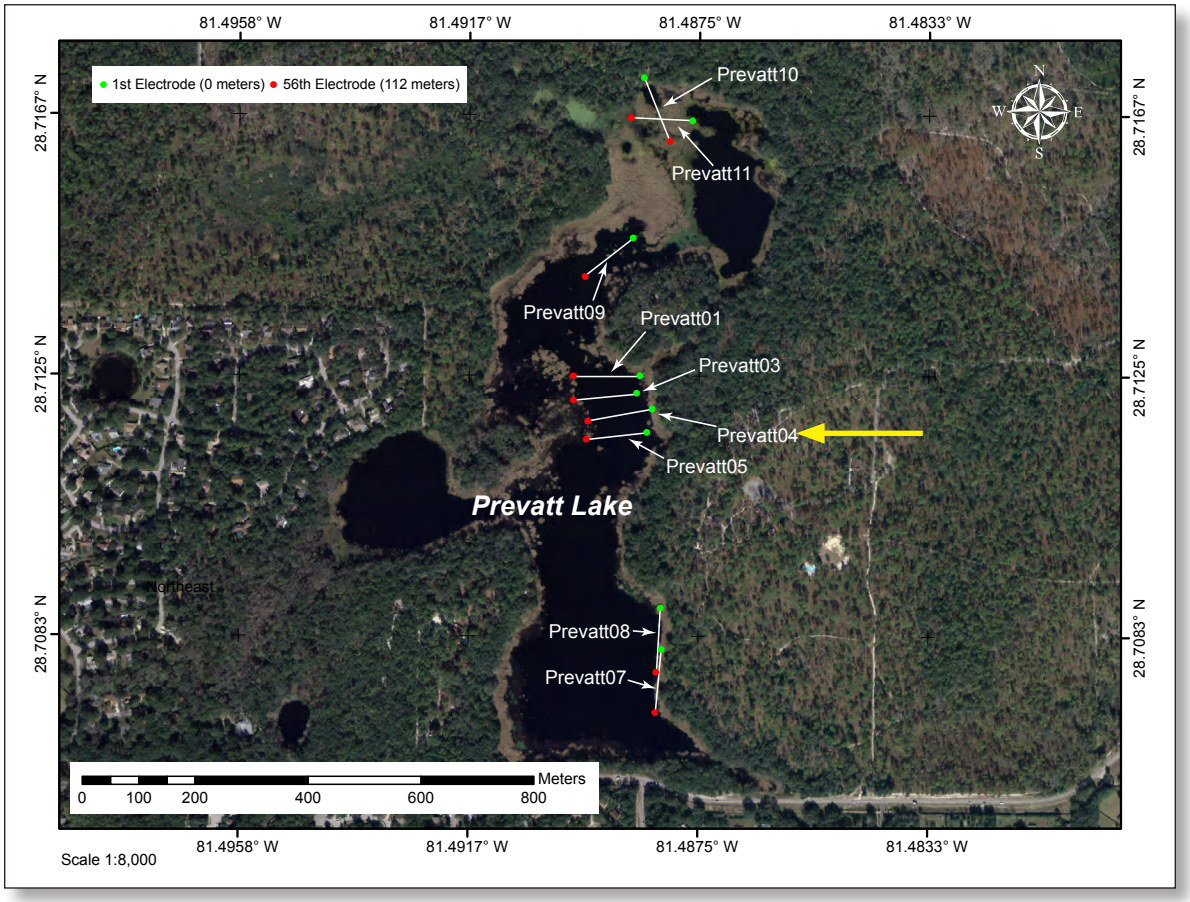
Prevatt Lake–Line03



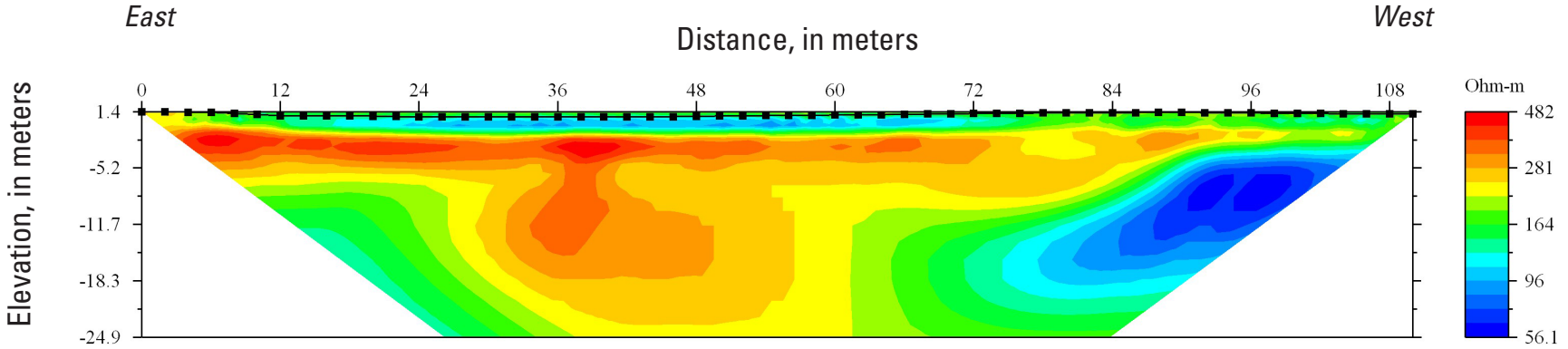


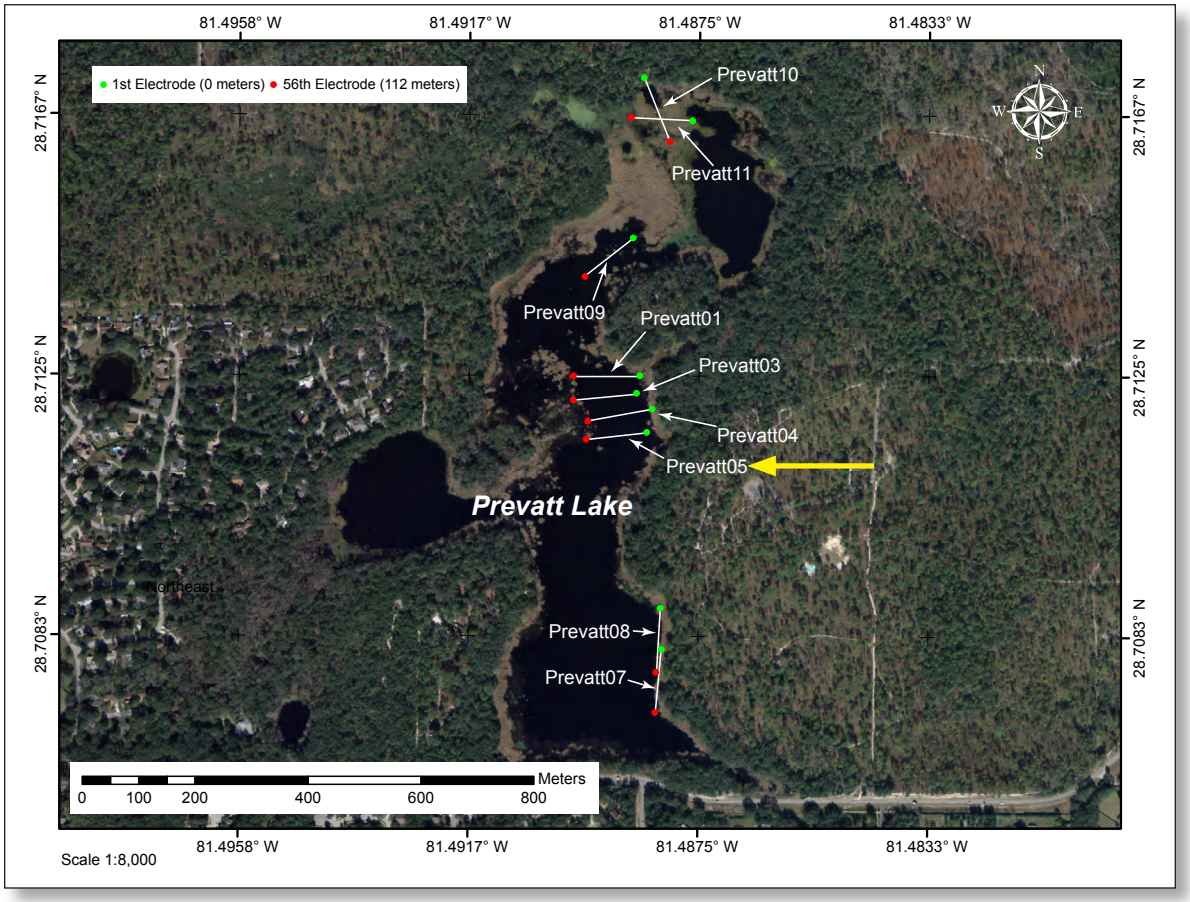
Prevatt Lake–Line04



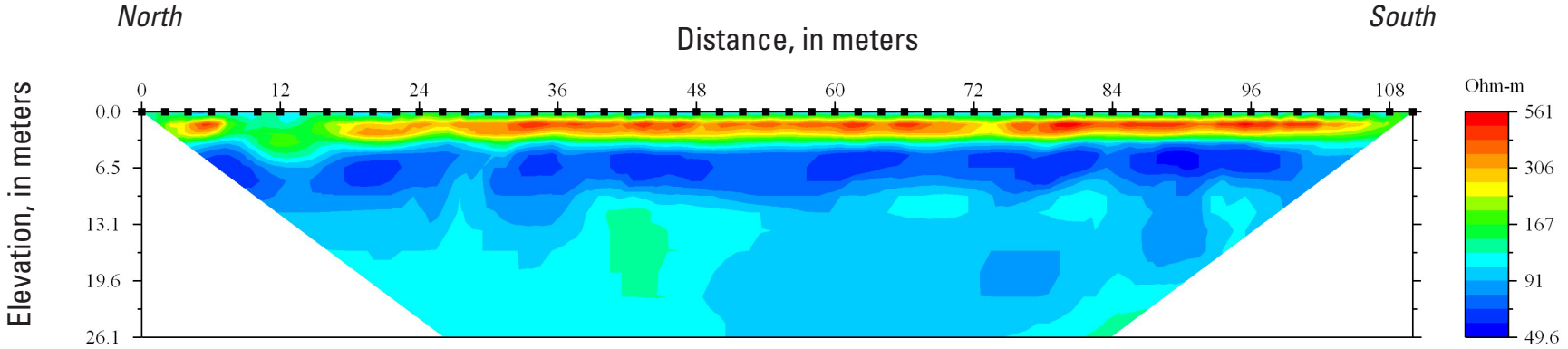


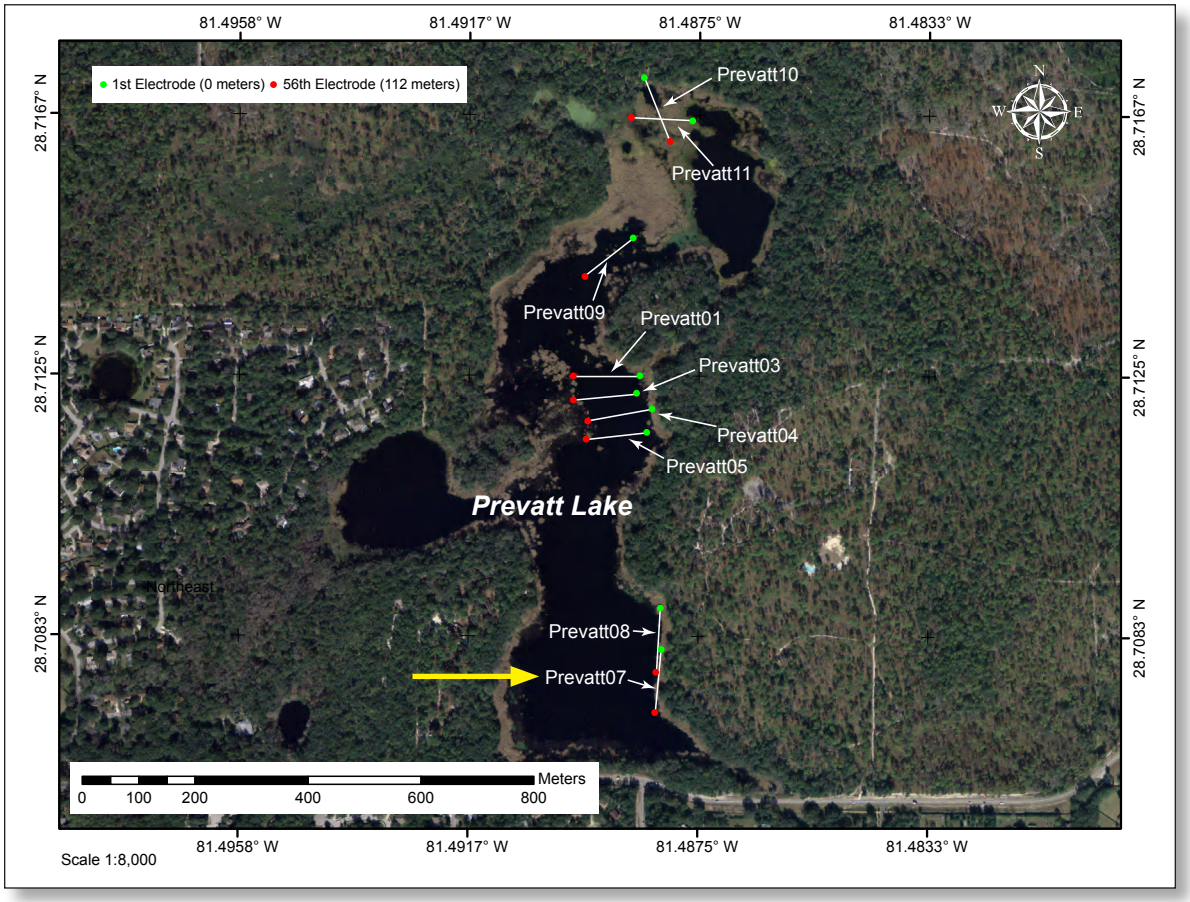
Prevatt Lake–Line05



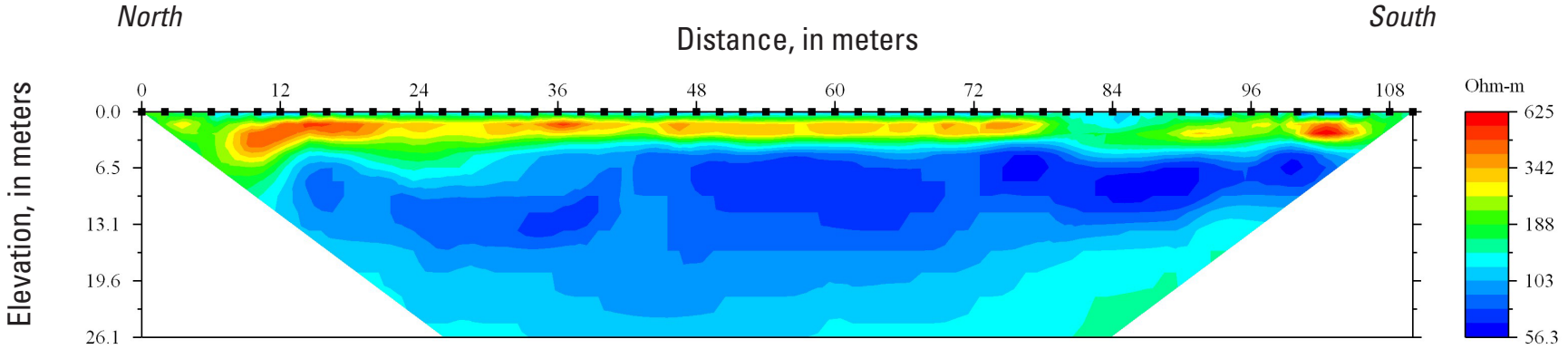


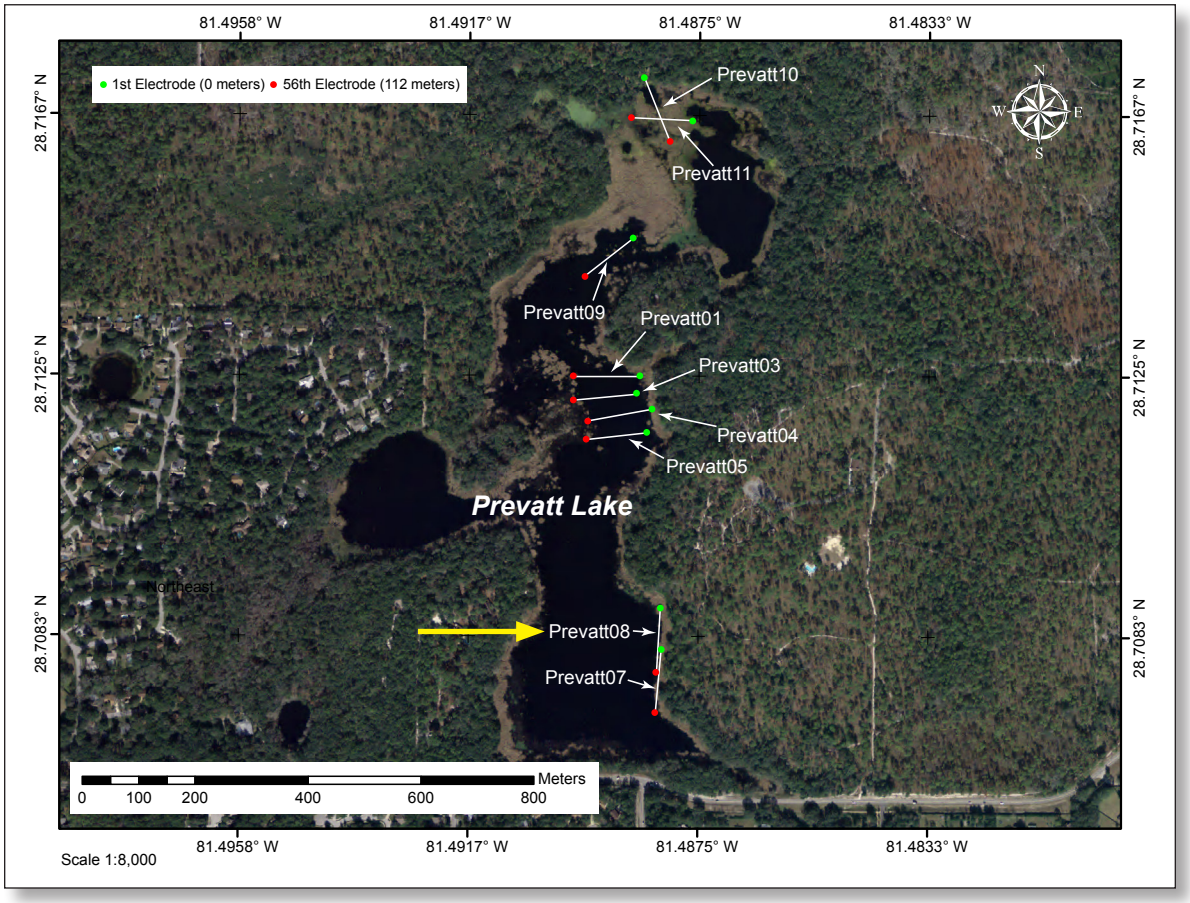
Prevatt Lake–Line07



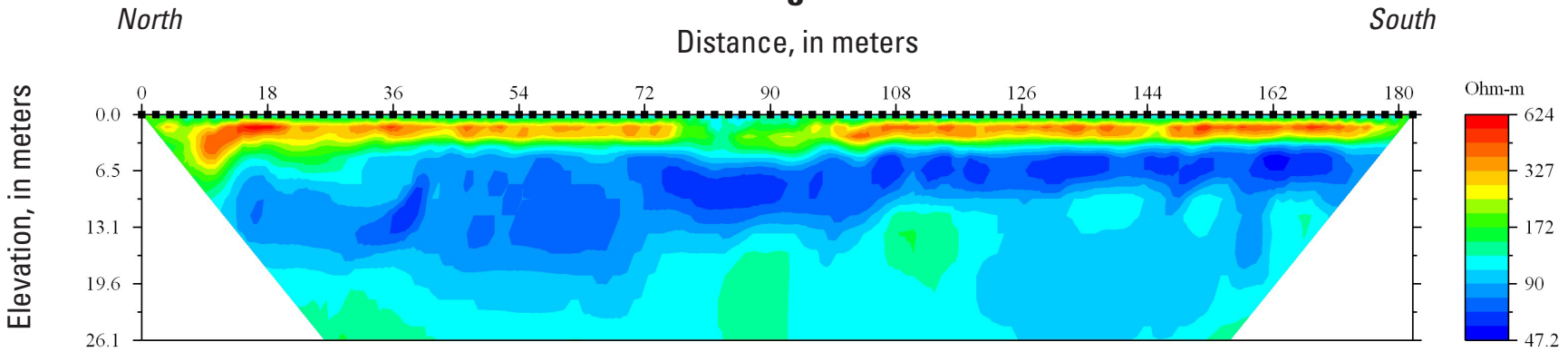


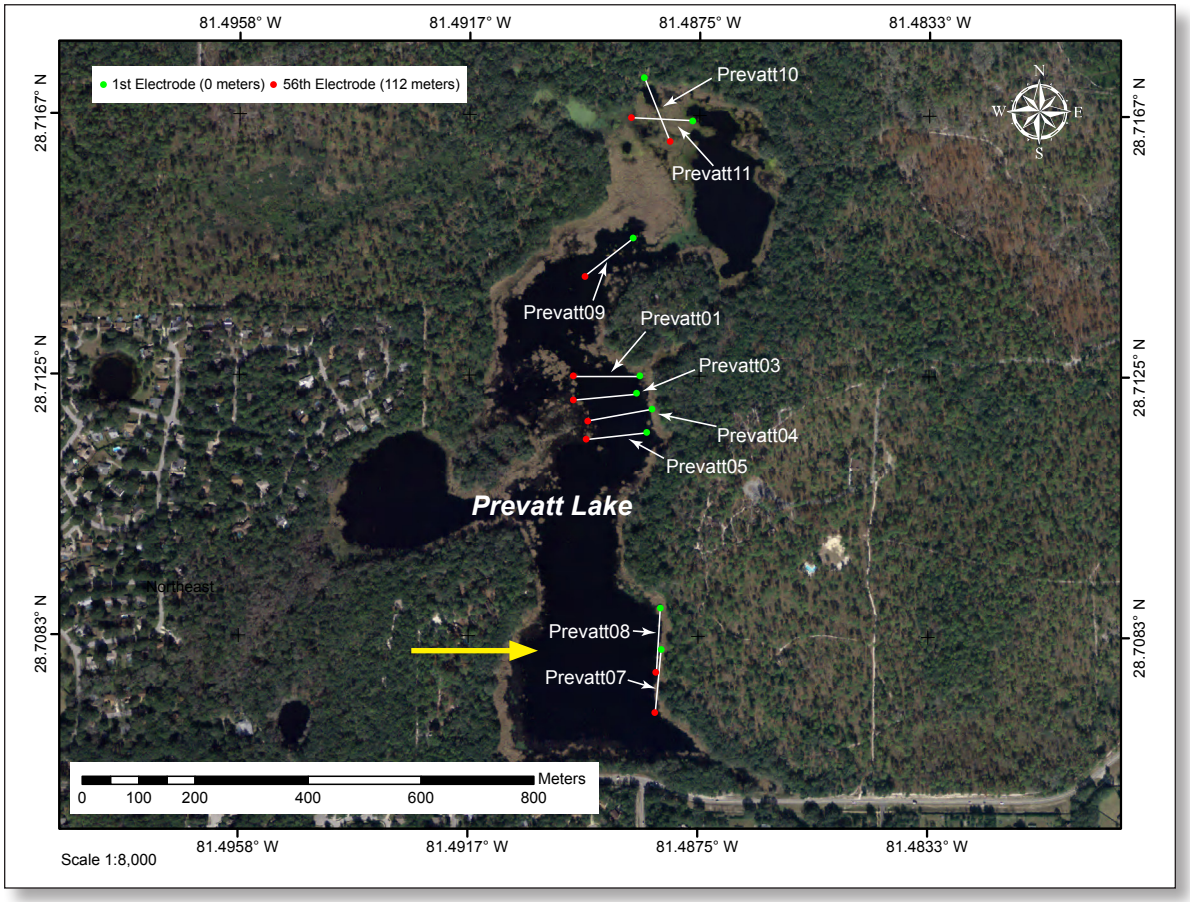
Prevatt Lake–Line08



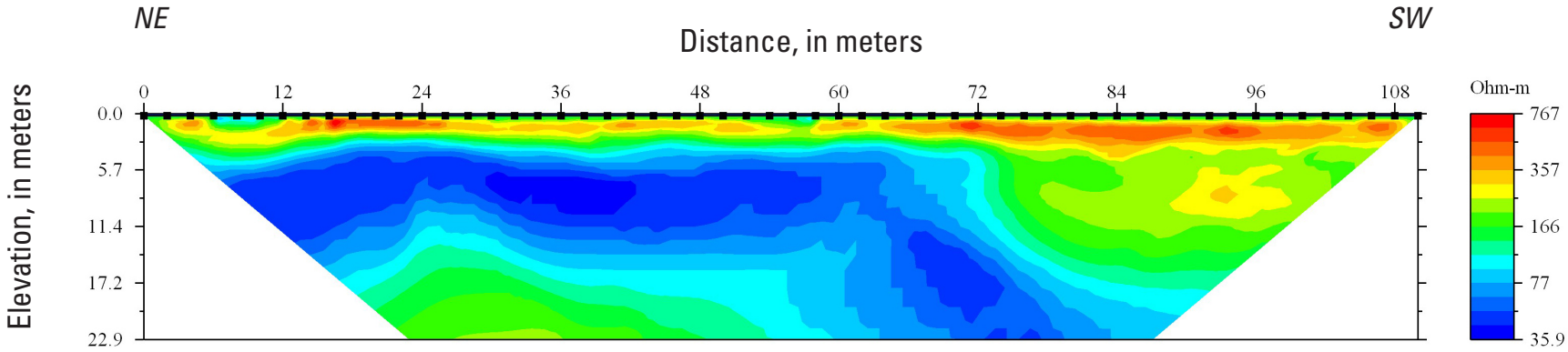


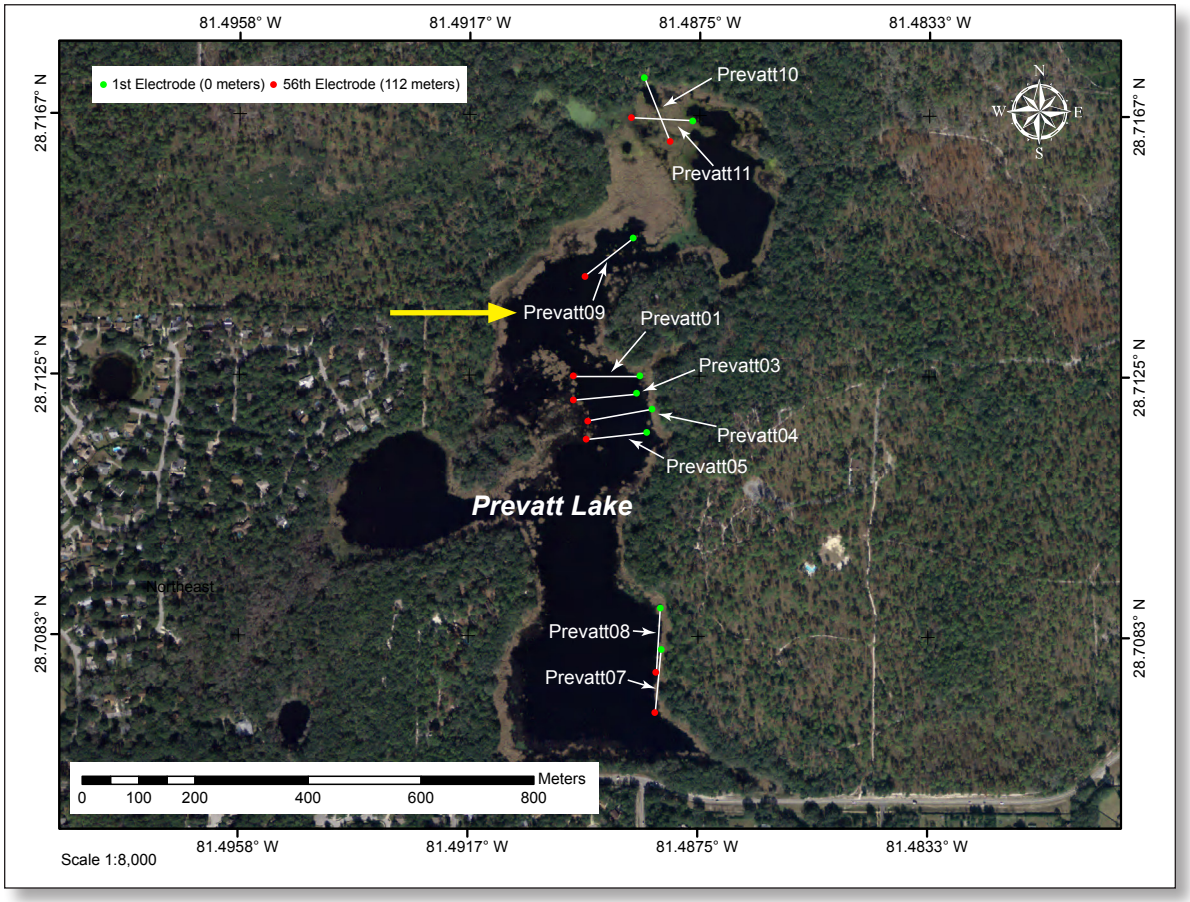
Prevatt Lake–Merged Lines 07 and 08

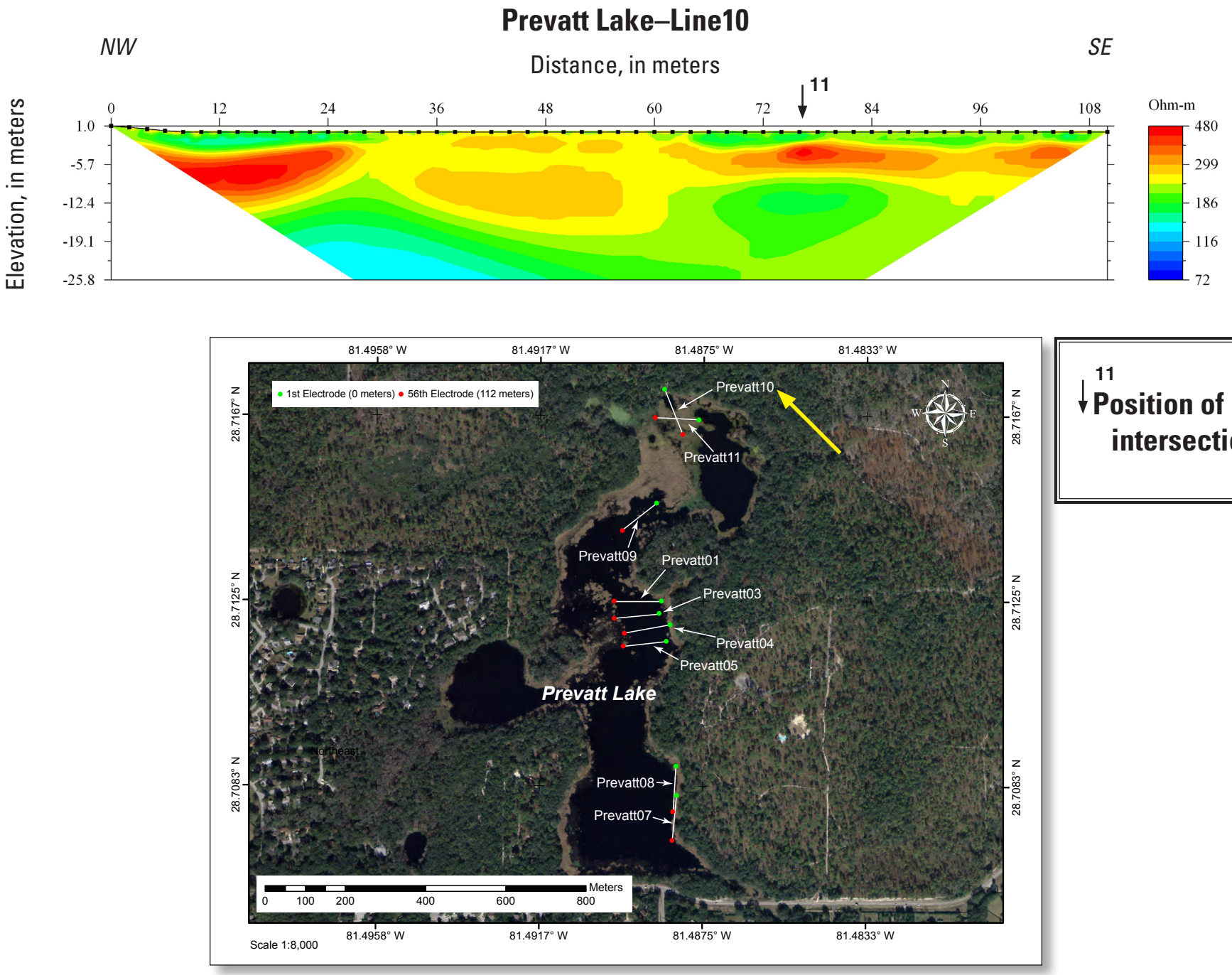


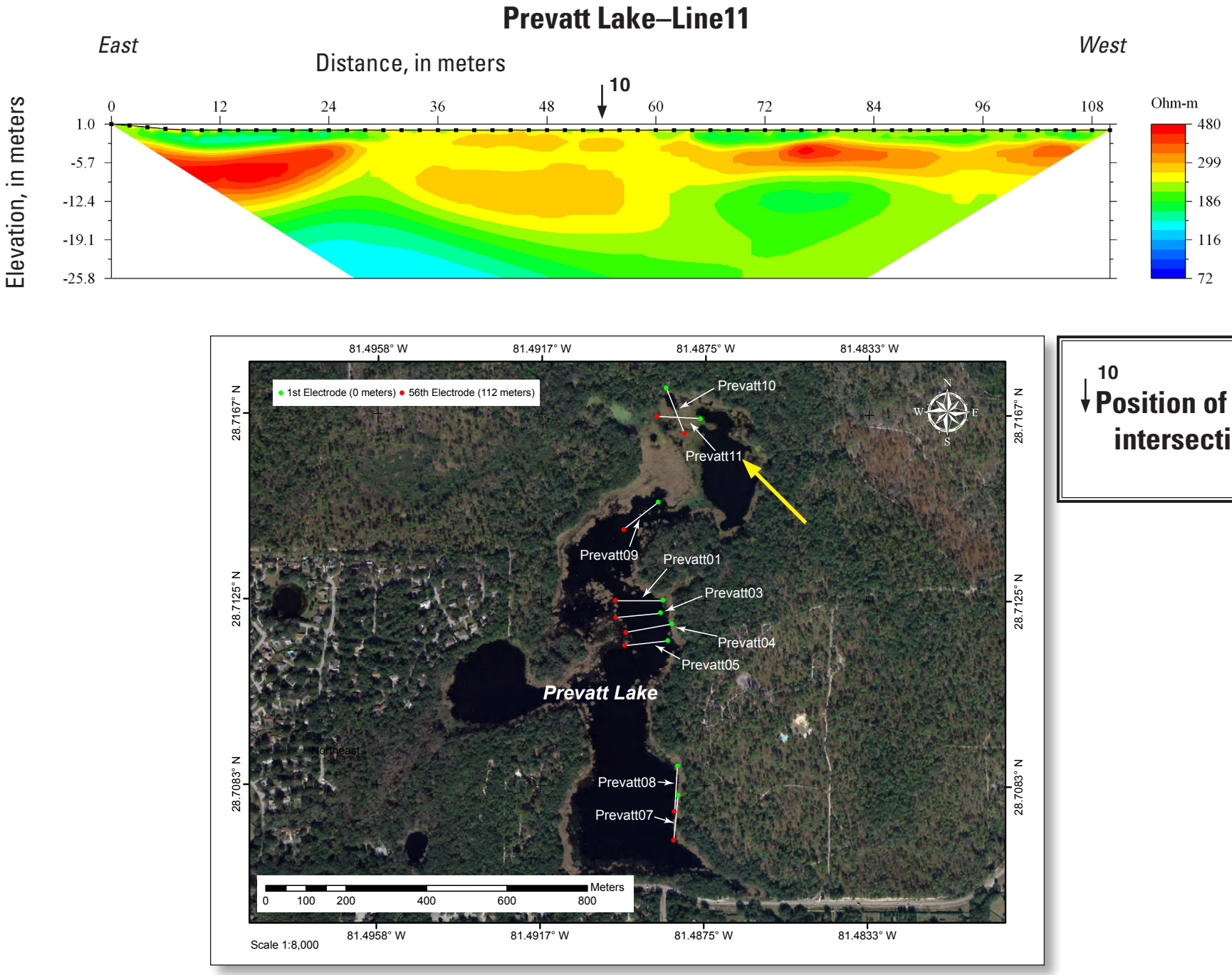


Prevatt Lake–Line09

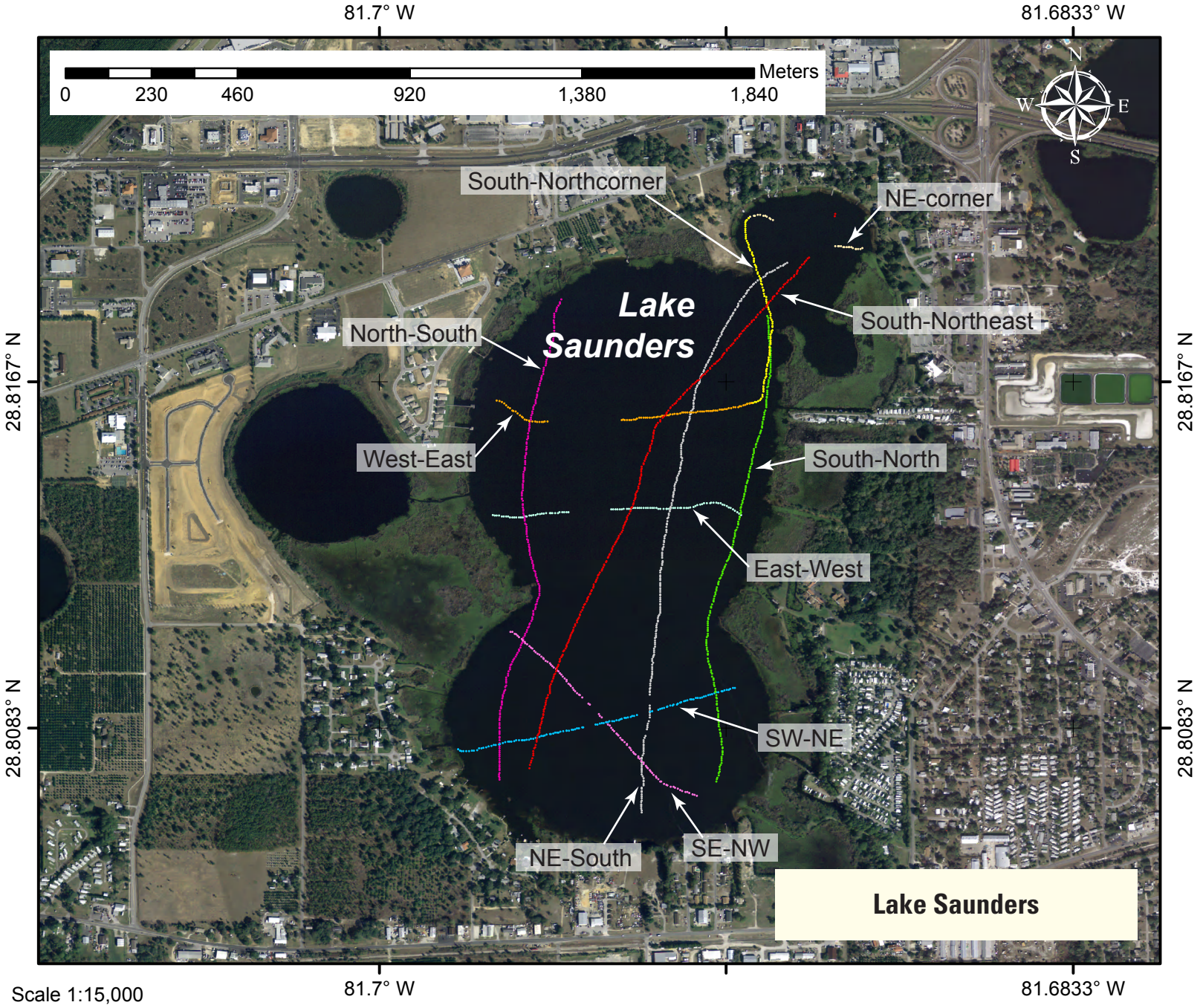


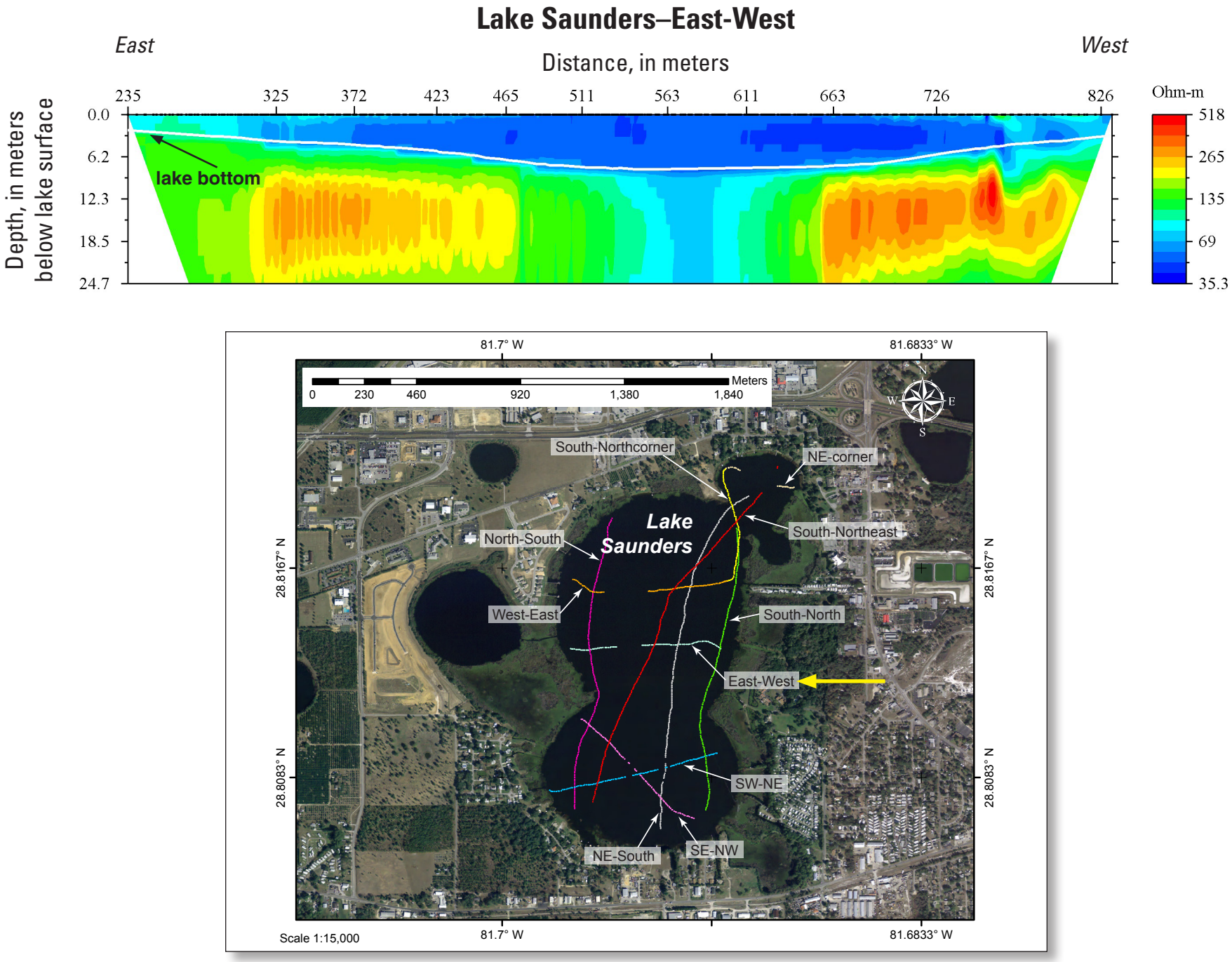



Prevatt Lake–Line10
NW
SE
Distance, in meters
11
0
12
24
36
48
60
72
84
96
108
Elevation, in meters
1.0
-5.7
-12.4
-19.1
-25.8
Ohm-m
480
299
186
116
72
81.4958° W
81.4917° W
81.4875° W
81.4833° W
28.7167° N
28.7125° N
28.7083° N
1st Electrode (0 meters)
56th Electrode (112 meters)
Prevatt10
Prevatt11
Prevatt09
Prevatt01
Prevatt03
Prevatt04
Prevatt05
Prevatt Lake
Prevatt08
Prevatt07
N
S
E
W
Meters
0
100
200
400
600
800
Scale 1:8,000
11
Position of line intersection

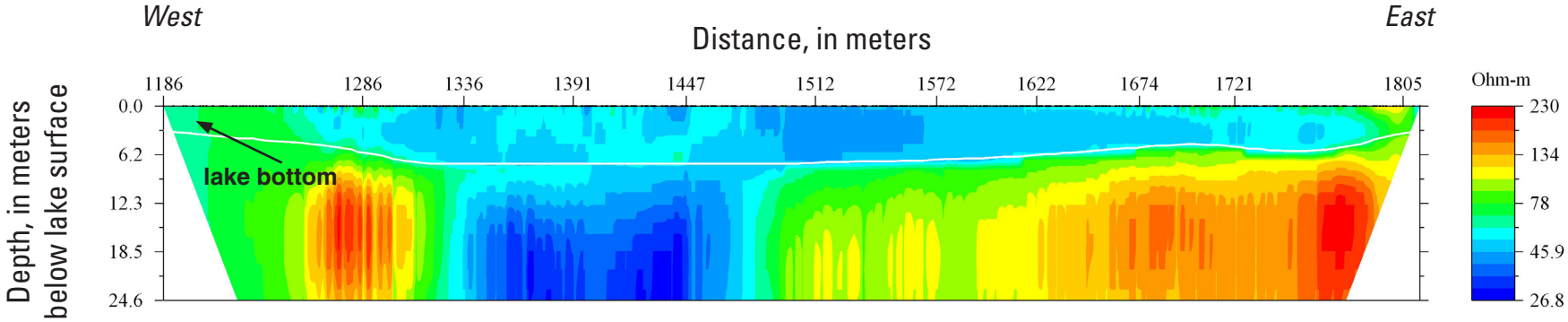

Prevatt Lake–Line11
East
West
Distance, in meters
10
0
12
24
36
48
60
72
84
96
108
Elevation, in meters
1.0
-5.7
-12.4
-19.1
-25.8
Ohm-m
480
299
186
116
72
81.4958° W
81.4917° W
81.4875° W
81.4833° W
28.7167° N
28.7125° N
28.7083° N
1st Electrode (0 meters)
56th Electrode (112 meters)
Prevatt10
Prevatt11
Prevatt09
Prevatt01
Prevatt03
Prevatt04
Prevatt05
Prevatt Lake
Prevatt08
Prevatt07
N
S
E
W
Meters
0
100
200
400
600
800
Scale 1:8,000
10
Position of line intersection

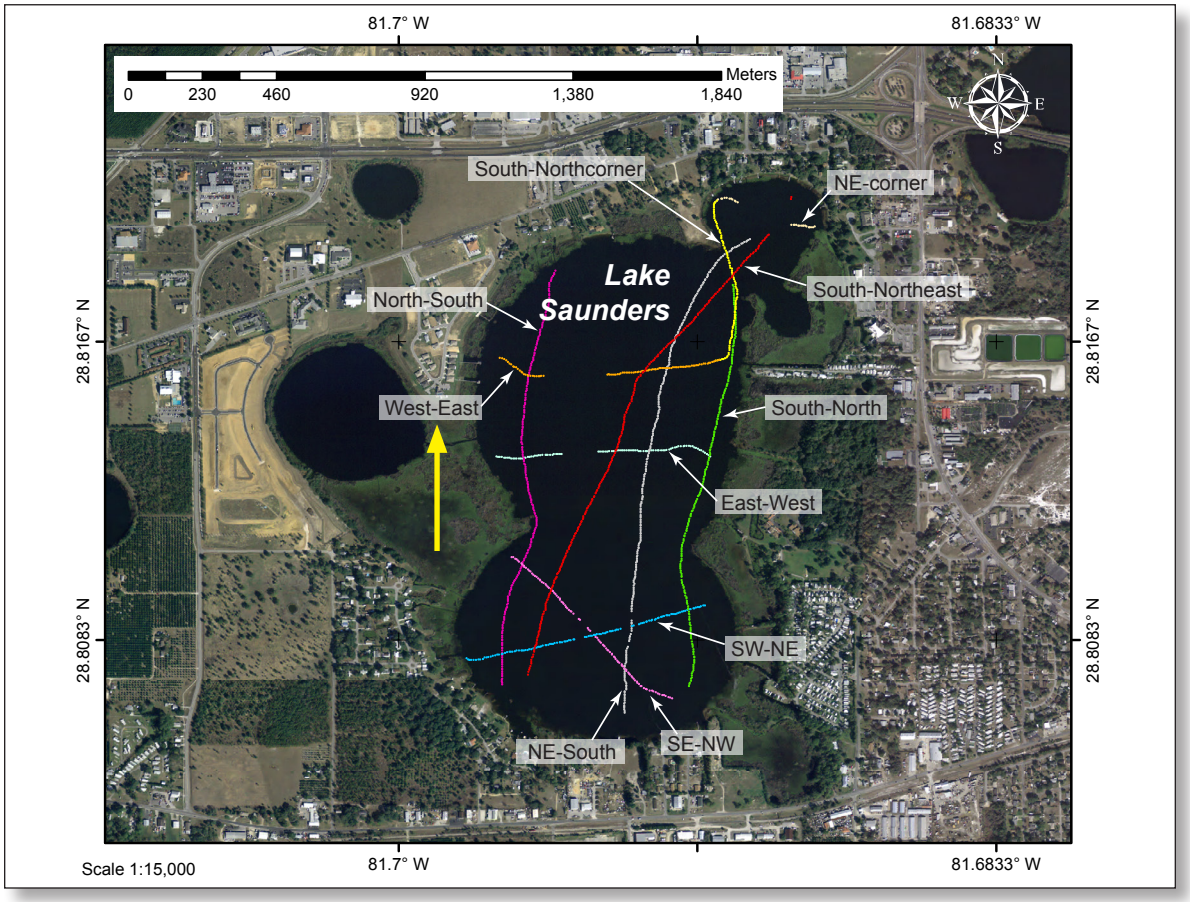
Continuous Resistivity Profiles

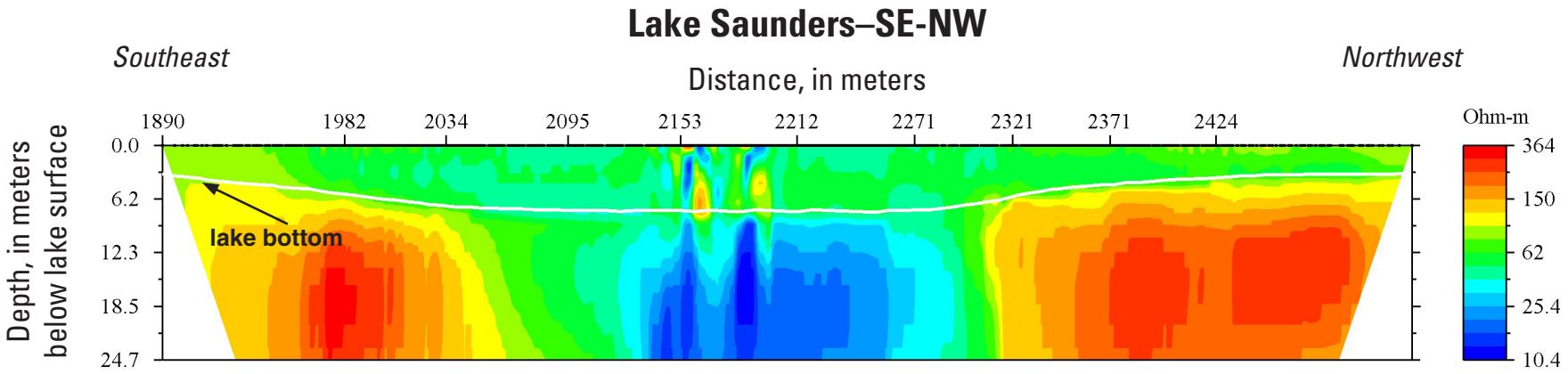


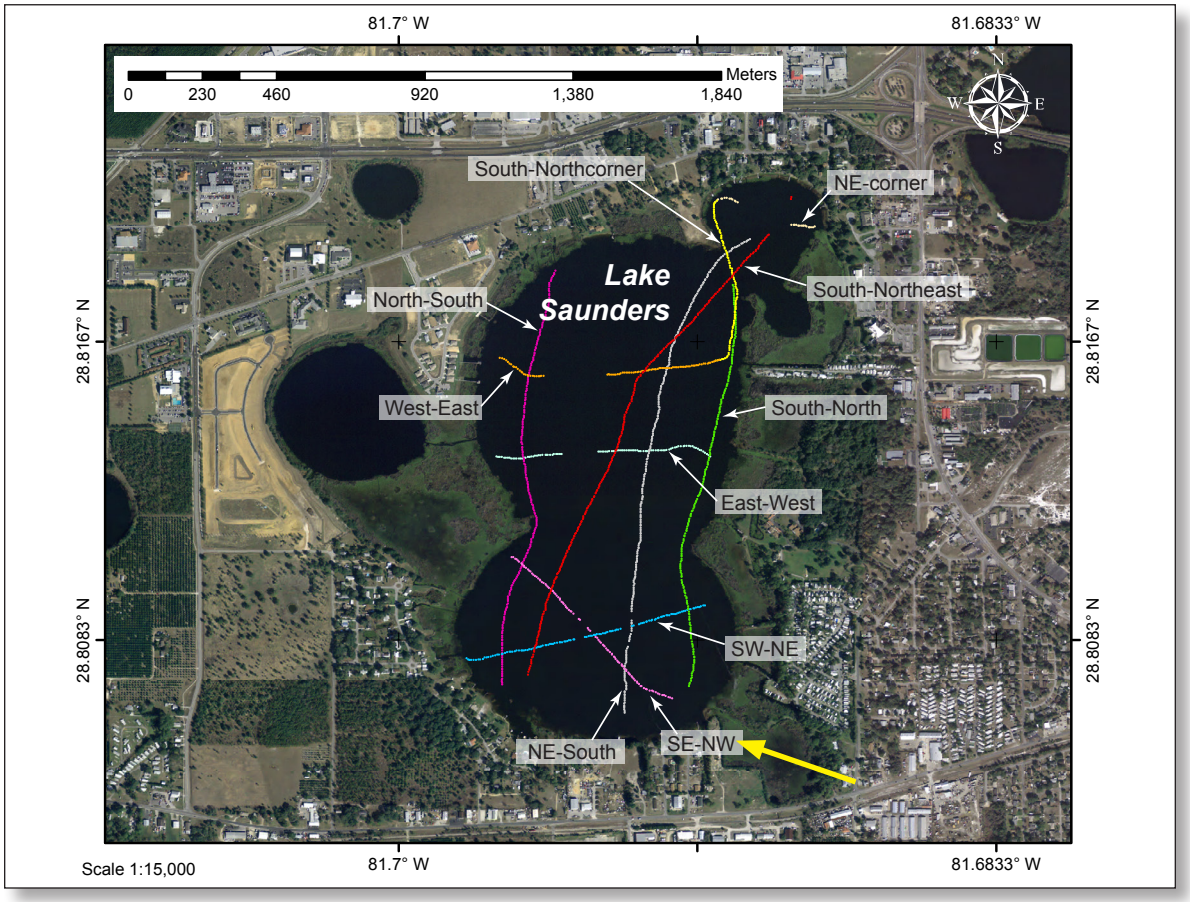

Lake Saunders–East-West
East
West
Distance, in meters
235
325
372
423
465
511
563
611
663
726
826
Depth, in meters below lake surface
0.0
6.2
12.3
18.5
24.7
lake bottom
Ohm-m
518
265
135
69
35.3
81.7° W
81.6833° W
Meters
0
230
460
920
1,380
1,840
N
W
E
S
South-Northcorner
NE-corner
Lake Saunders
North-South
South-Northeast
West-East
South-North
East-West
SW-NE
NE-South
SE-NW
28.8167° N
28.8083° N
Scale 1:15,000

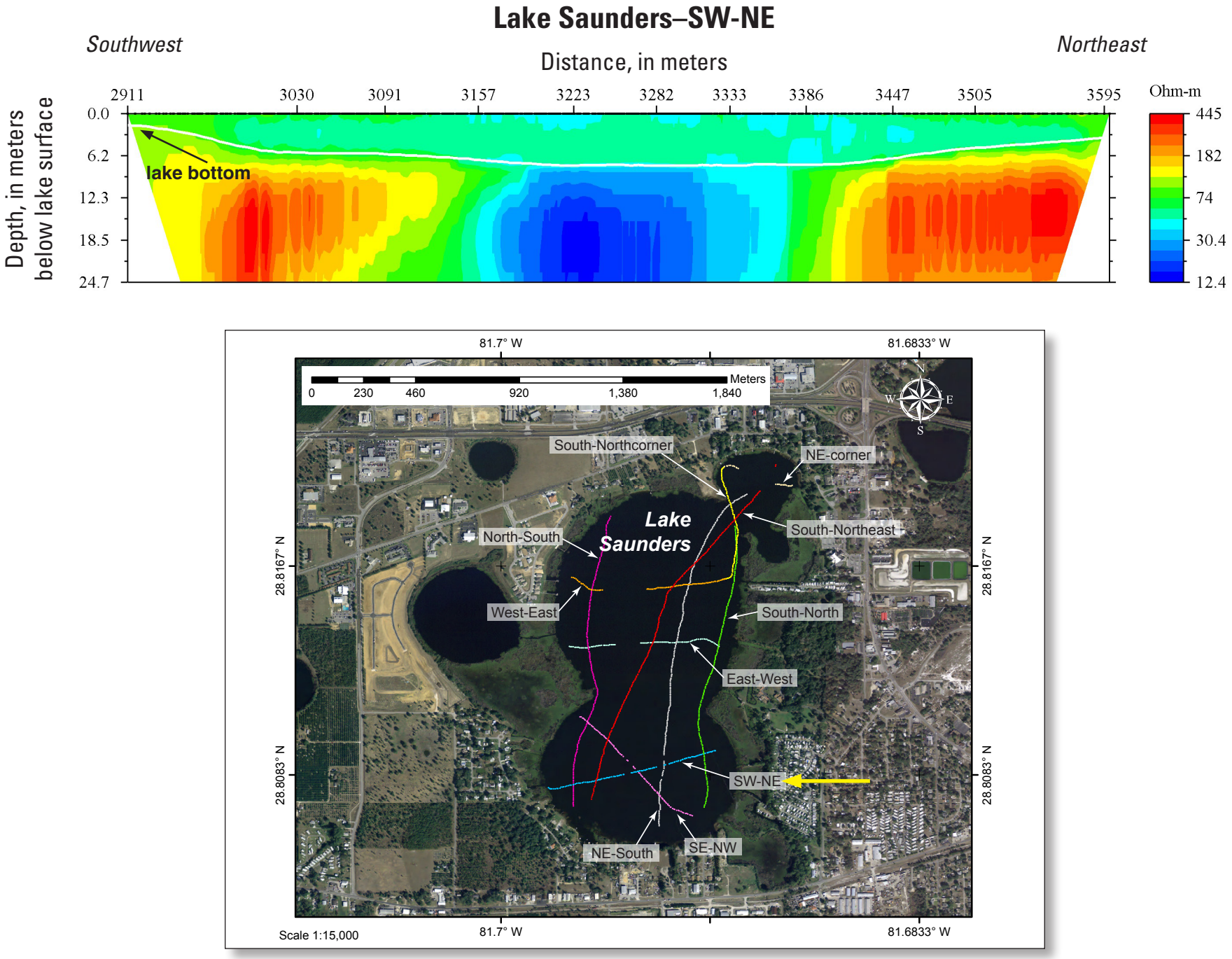
Lake Saunders–West-East

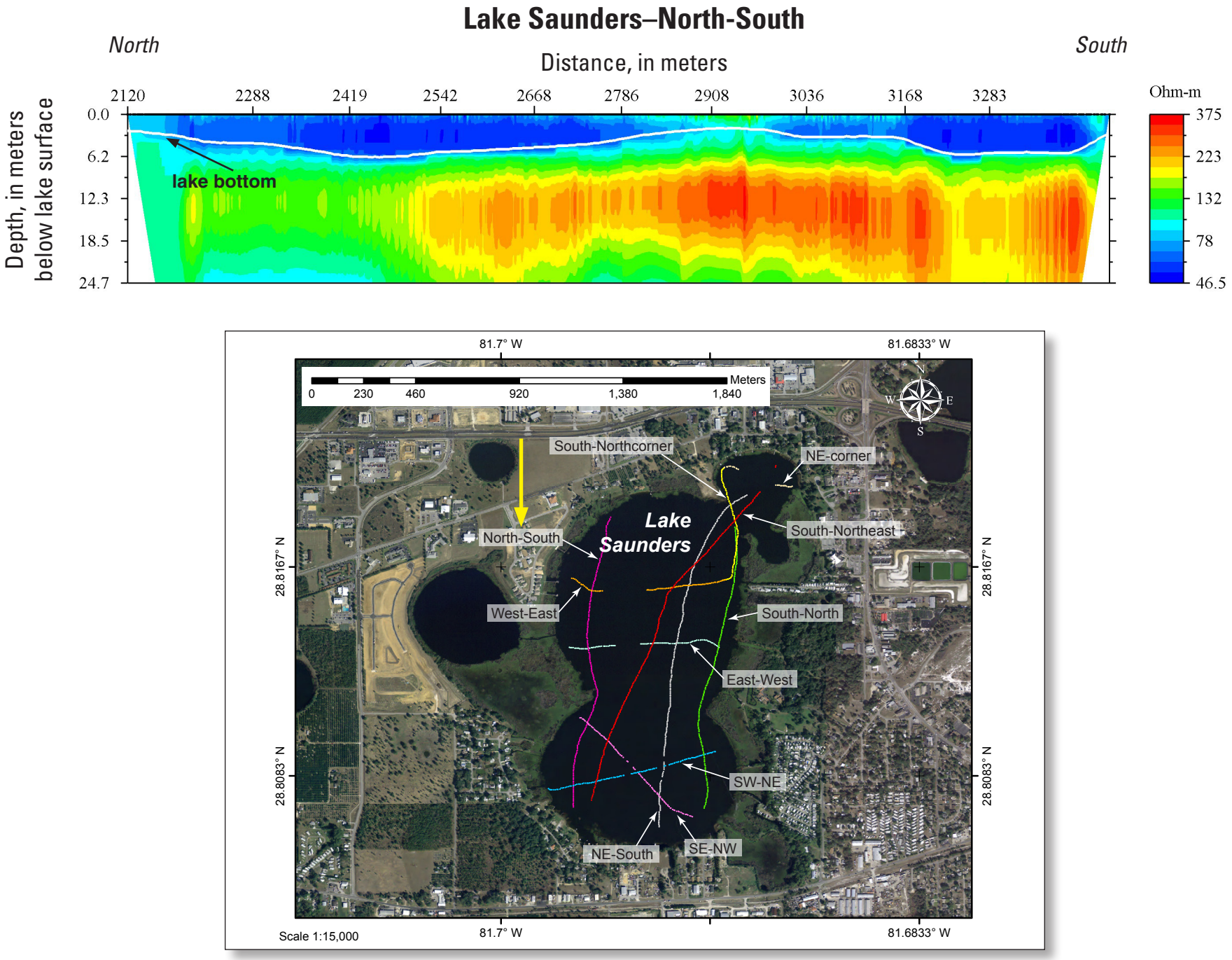


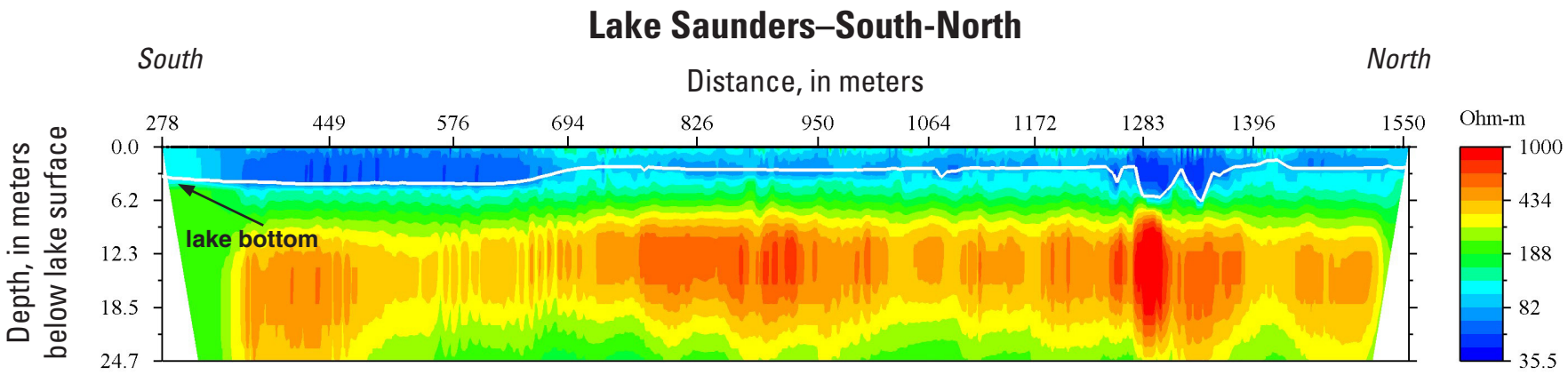


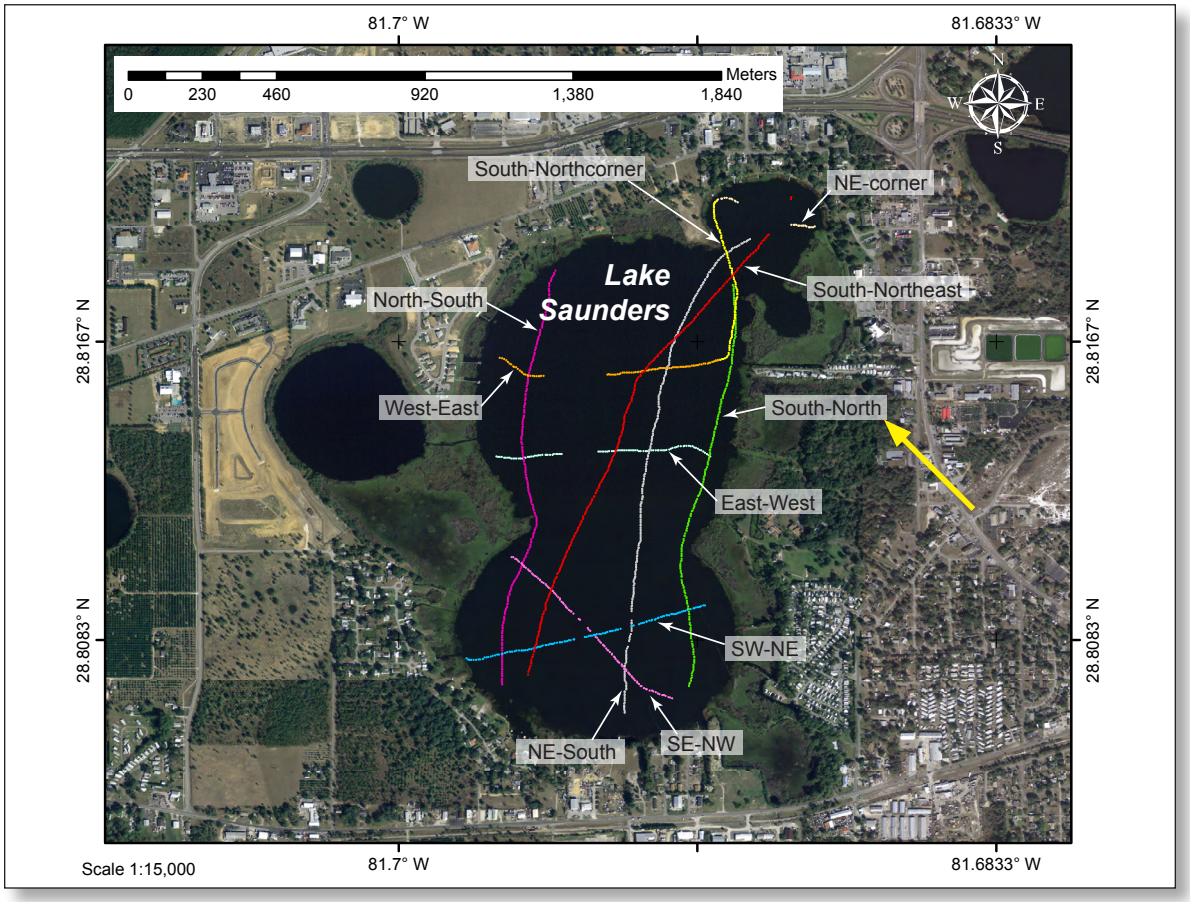

Lake Saunders–SE-NW
Southeast
Northwest
Distance, in meters
1890
1982
2034
2095
2153
2212
2271
2321
2371
2424
Depth, in meters below lake surface
0.0
6.2
12.3
18.5
24.7
lake bottom
Ohm-m
364
150
62
25.4
10.4


81.7° W
81.6833° W
Meters
0
230
460
920
1,380
1,840
N
W
E
S
South-Northcorner
NE-corner
Lake Saunders
North-South
South-Northeast
West-East
South-North
East-West
SW-NE
NE-South
SE-NW
28.8167° N
28.8083° N
Scale 1:15,000

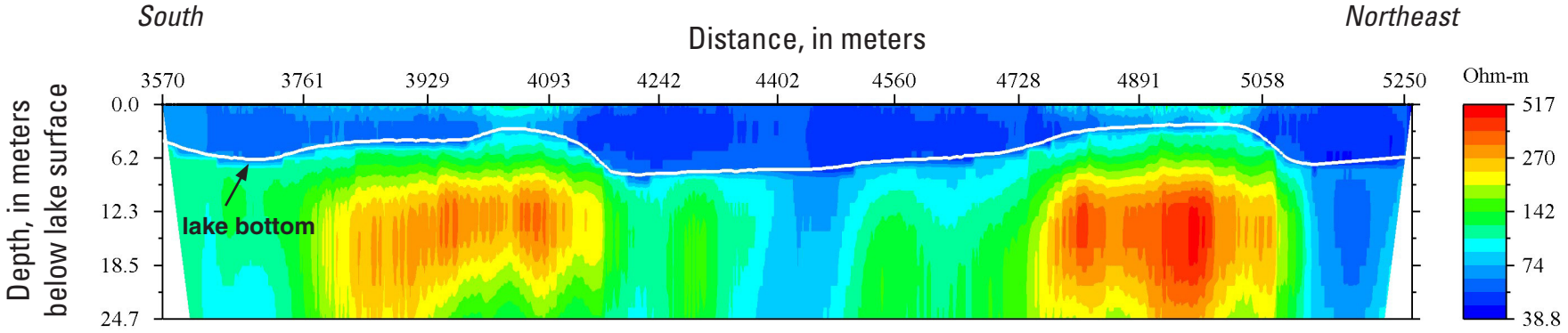

Lake Saunders–SW-NE
Southwest
Northeast
Distance, in meters
2911
3030
3091
3157
3223
3282
3333
3386
3447
3505
3595
Depth, in meters below lake surface
0.0
6.2
12.3
18.5
24.7
lake bottom
Ohm-m
445
182
74
30.4
12.4
81.7° W
81.6833° W
Meters
0
230
460
920
1,380
1,840
N
W
E
S
South-Northcorner
NE-corner
Lake Saunders
North-South
South-Northeast
West-East
South-North
East-West
SW-NE
NE-South
SE-NW
28.8167° N
28.8083° N
Scale 1:15,000

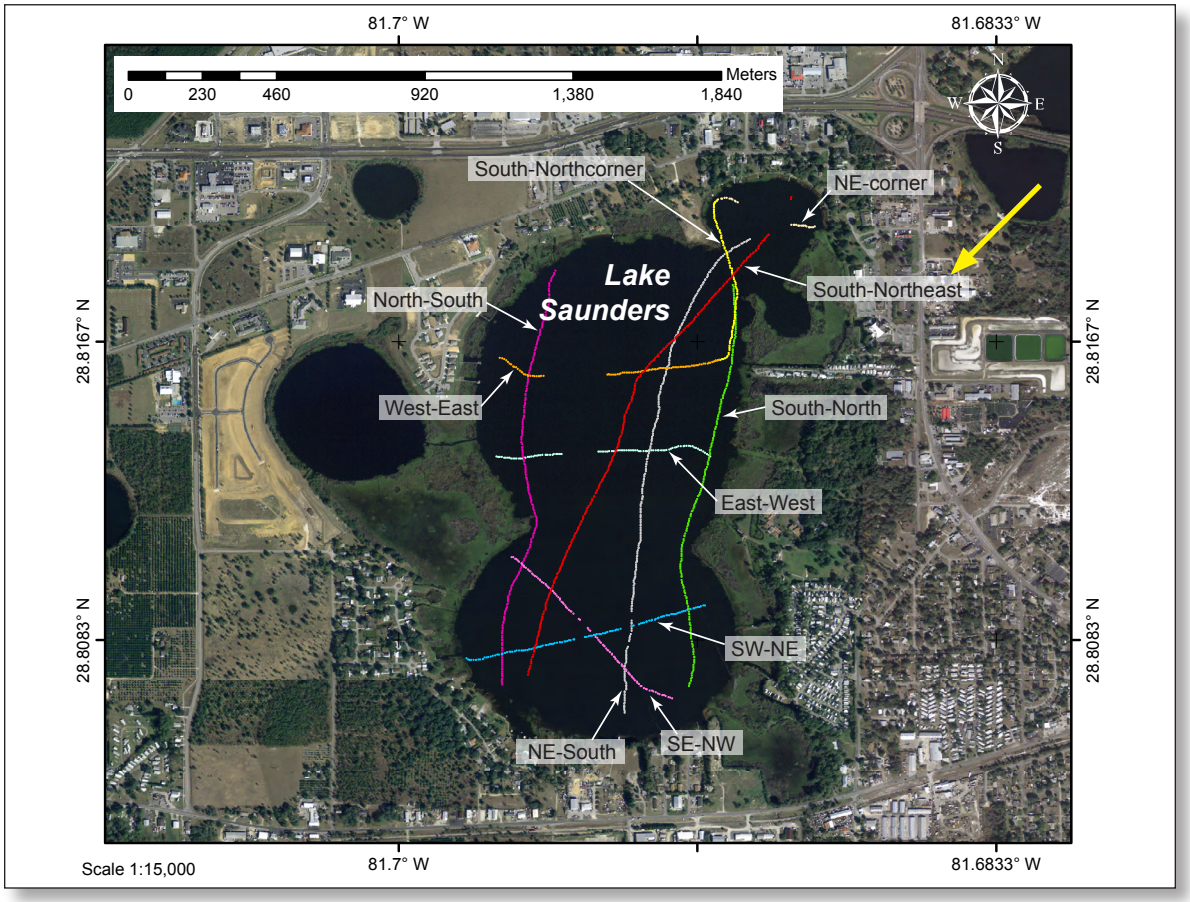

Lake Saunders–North-South
North
South
Distance, in meters
2120
2288
2419
2542
2668
2786
2908
3036
3168
3283
Depth, in meters below lake surface
0.0
6.2
12.3
18.5
24.7
lake bottom
Ohm-m
375
223
132
78
46.5
81.7° W
81.6833° W
Meters
0
230
460
920
1,380
1,840
N
W
E
S
South-Northcorner
NE-corner
Lake Saunders
North-South
South-Northeast
West-East
South-North
East-West
SW-NE
NE-South
SE-NW
28.8167° N
28.8083° N
Scale 1:15,000

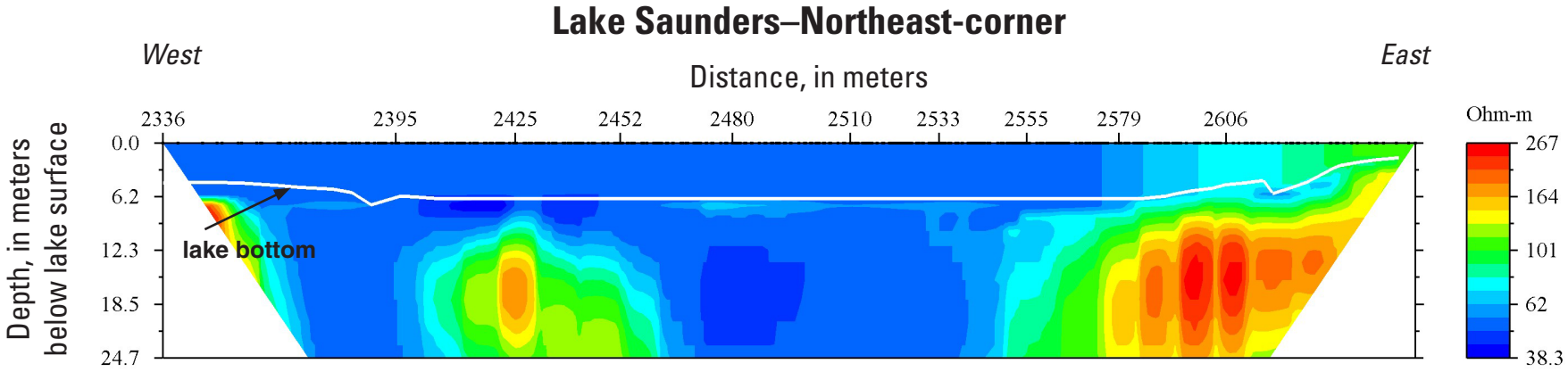

Lake Saunders–South-North
South
North
Distance, in meters
278
449
576
694
826
950
1064
1172
1283
1396
1550
Depth, in meters below lake surface
0.0
6.2
12.3
18.5
24.7
lake bottom
Ohm-m
1000
434
188
82
35.5

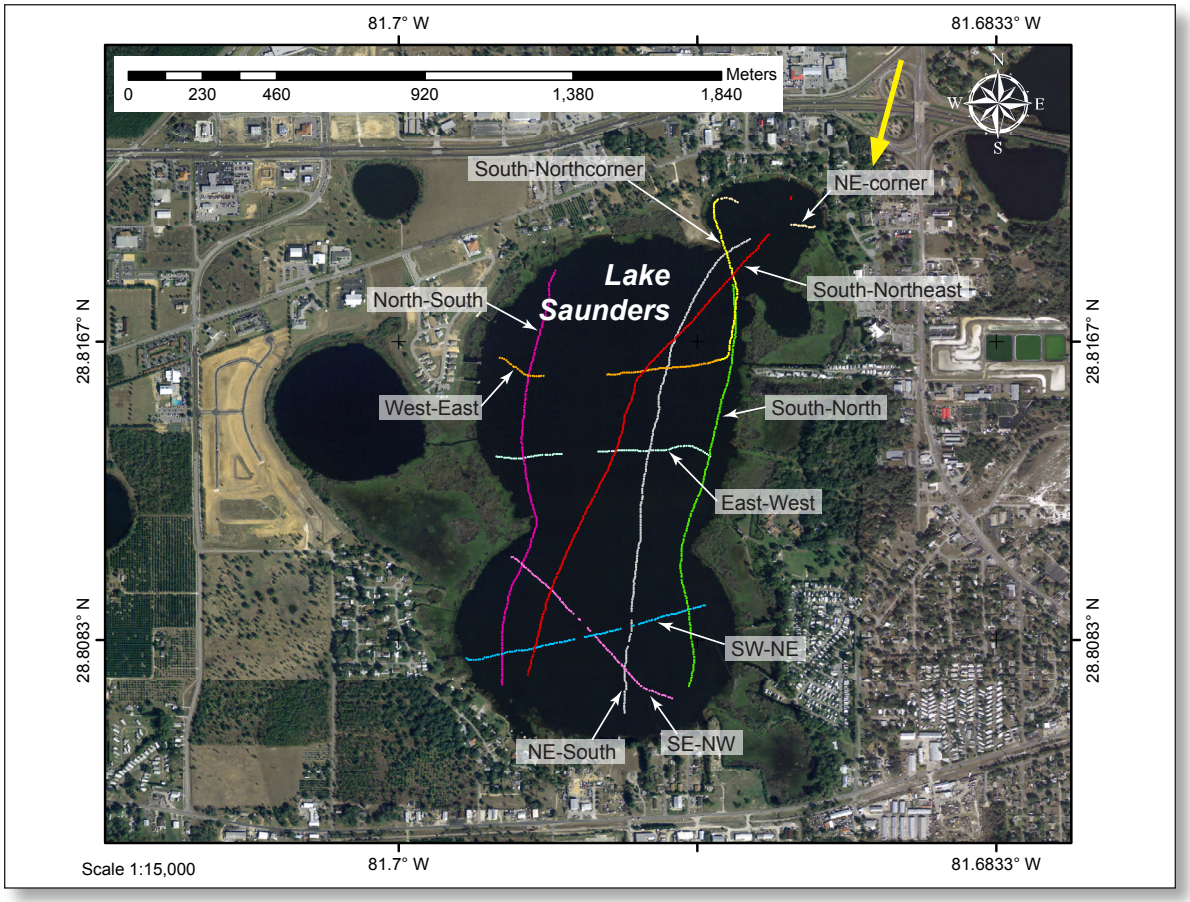

81.7° W
81.6833° W
Meters
0
230
460
920
1,380
1,840
N
W
E
S
South-Northcorner
NE-corner
Lake Saunders
North-South
South-Northeast
West-East
South-North
East-West
SW-NE
NE-South
SE-NW
28.8167° N
28.8083° N
Scale 1:15,000

Lake Saunders–South-Northeast

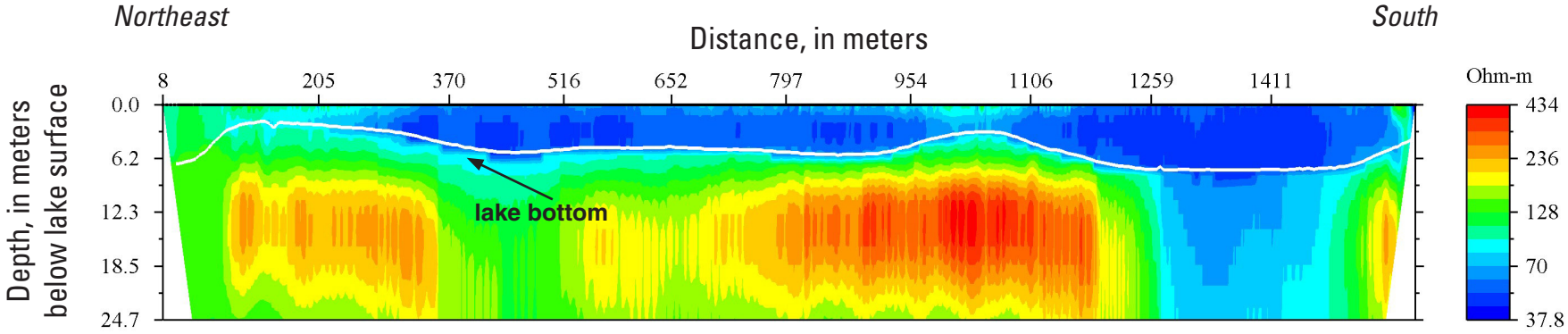


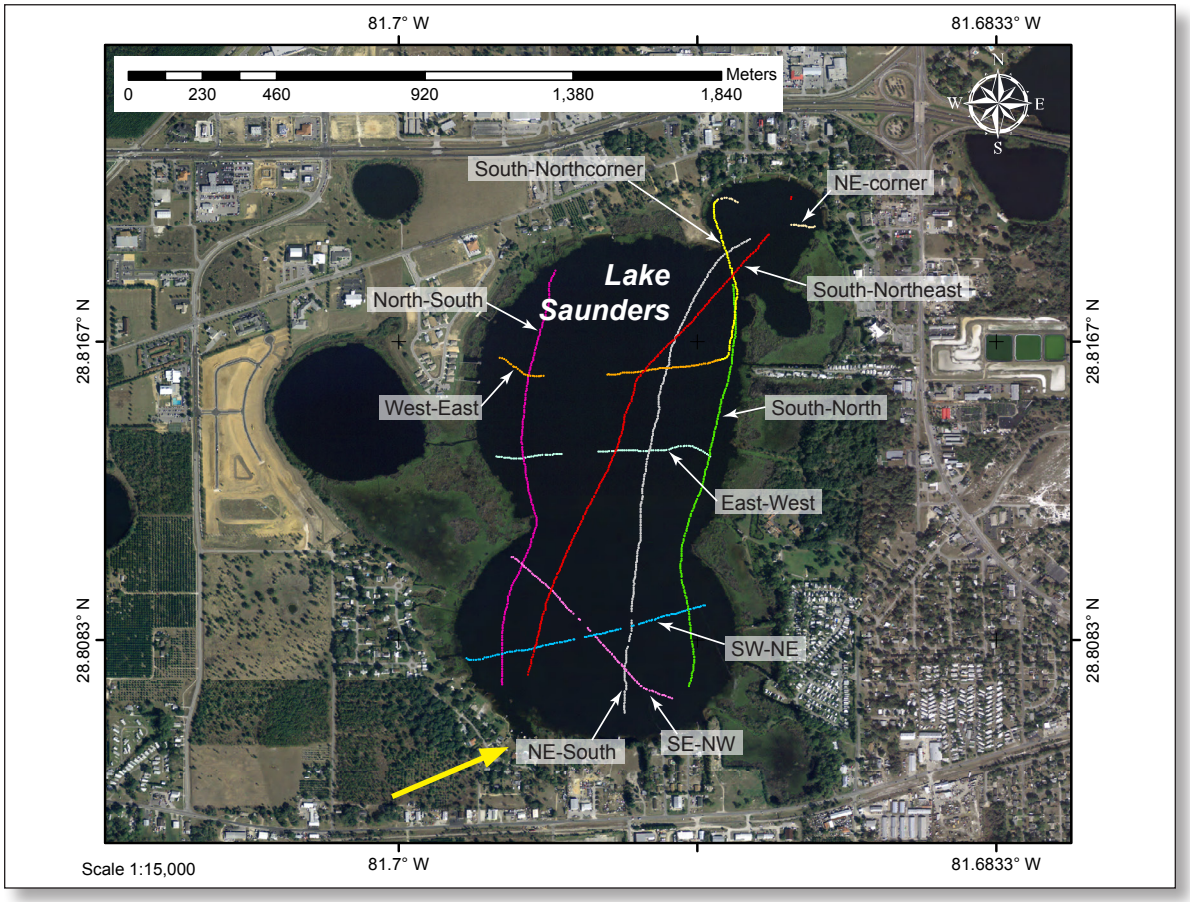



Lake Saunders–Northeast-corner
West
East
Distance, in meters
2336
2395
2425
2452
2480
2510
2533
2555
2579
2606
Depth, in meters below lake surface
0.0
6.2
12.3
18.5
24.7
lake bottom
Ohm-m
267
164
101
62
38.3

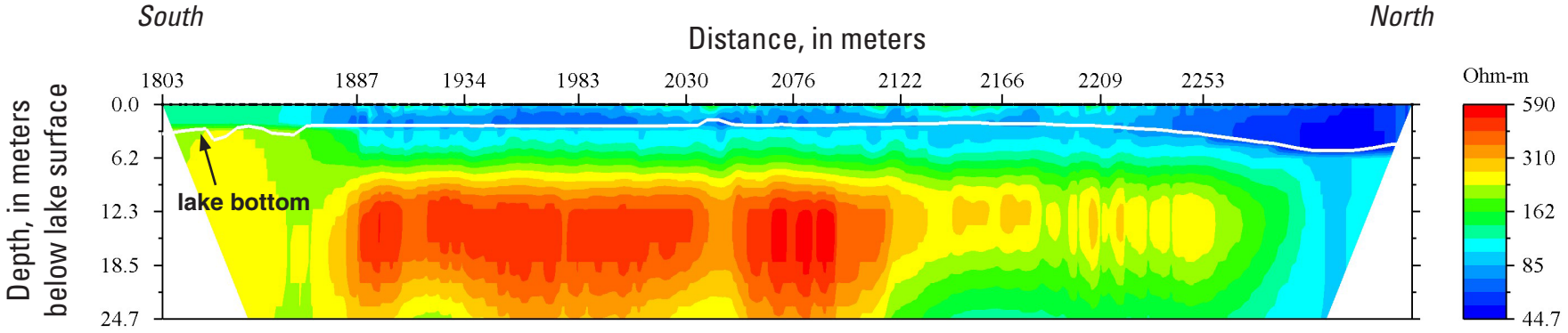

81.7° W
81.6833° W
Meters
0
230
460
920
1,380
1,840
N
W
E
S
South-Northcorner
NE-corner
Lake Saunders
North-South
South-Northeast
West-East
South-North
East-West
SW-NE
NE-South
SE-NW
28.8167° N
28.8083° N
Scale 1:15,000

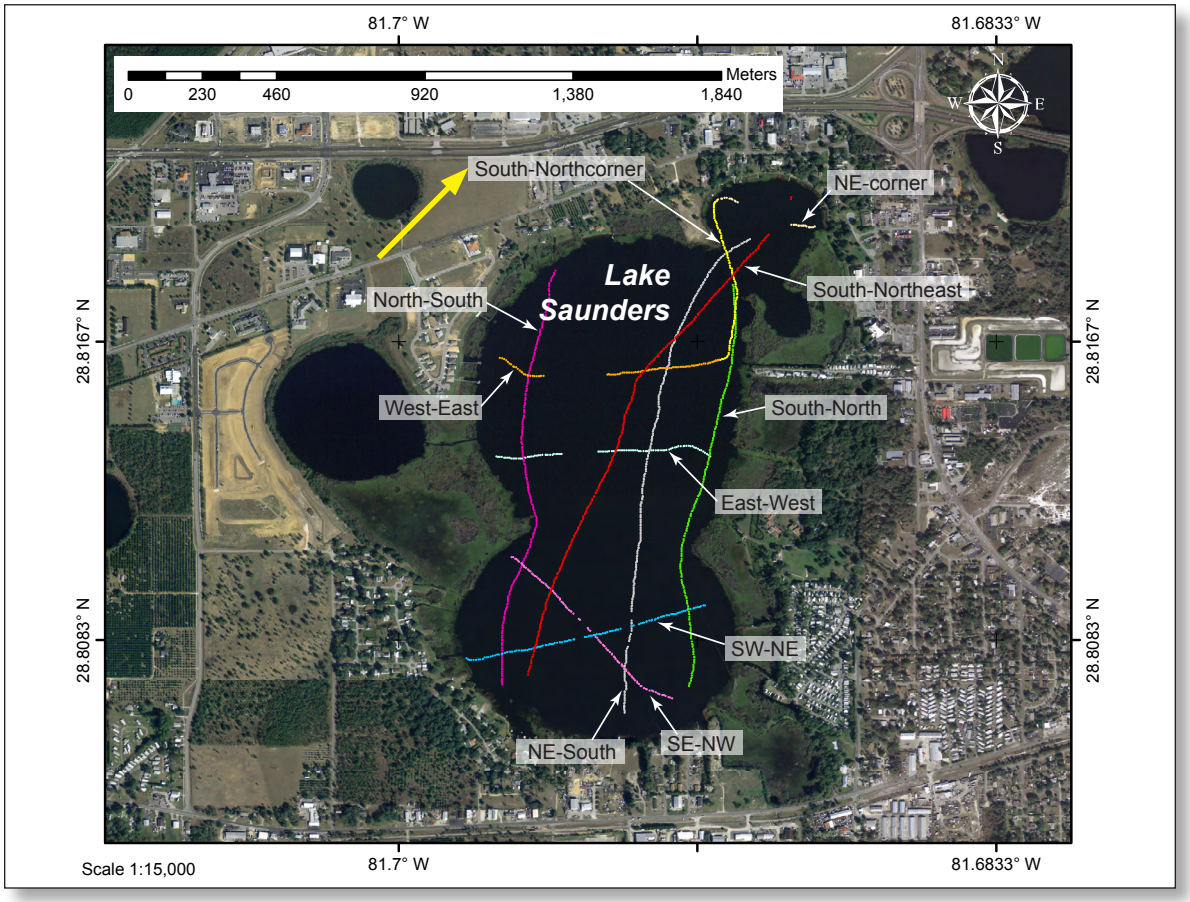
Lake Saunders–Northeast-South



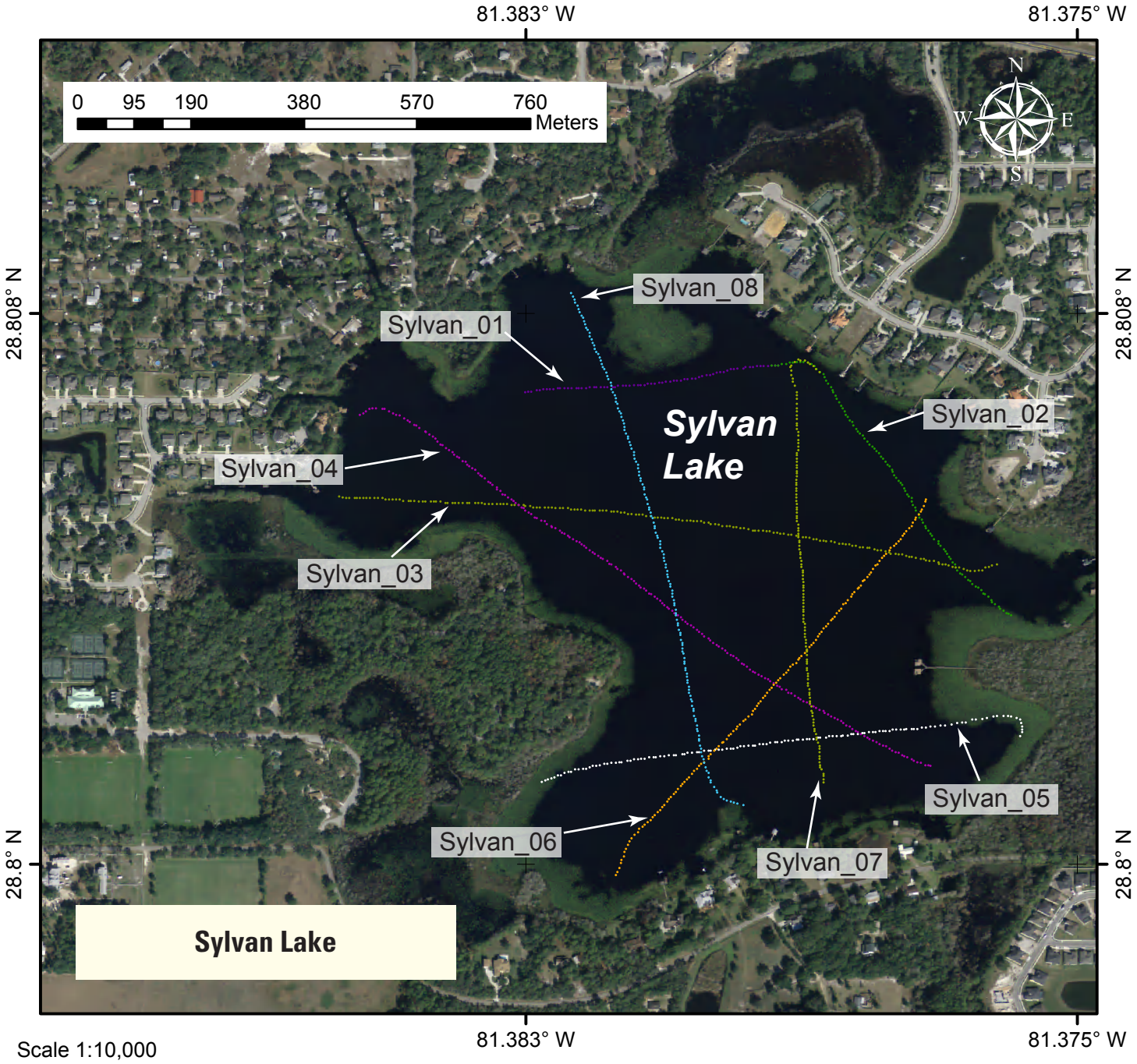


Lake Saunders–South-Northcorner

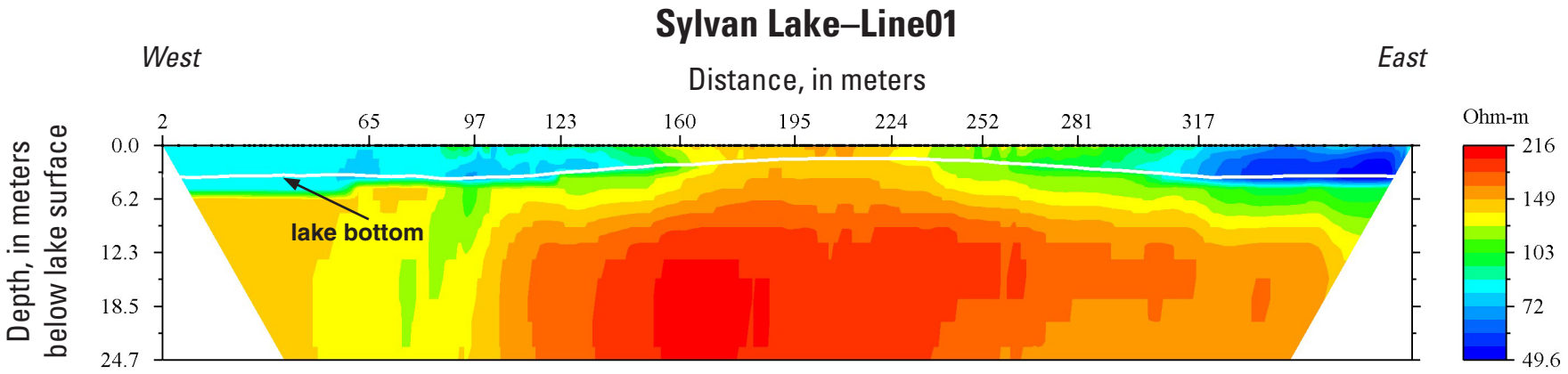


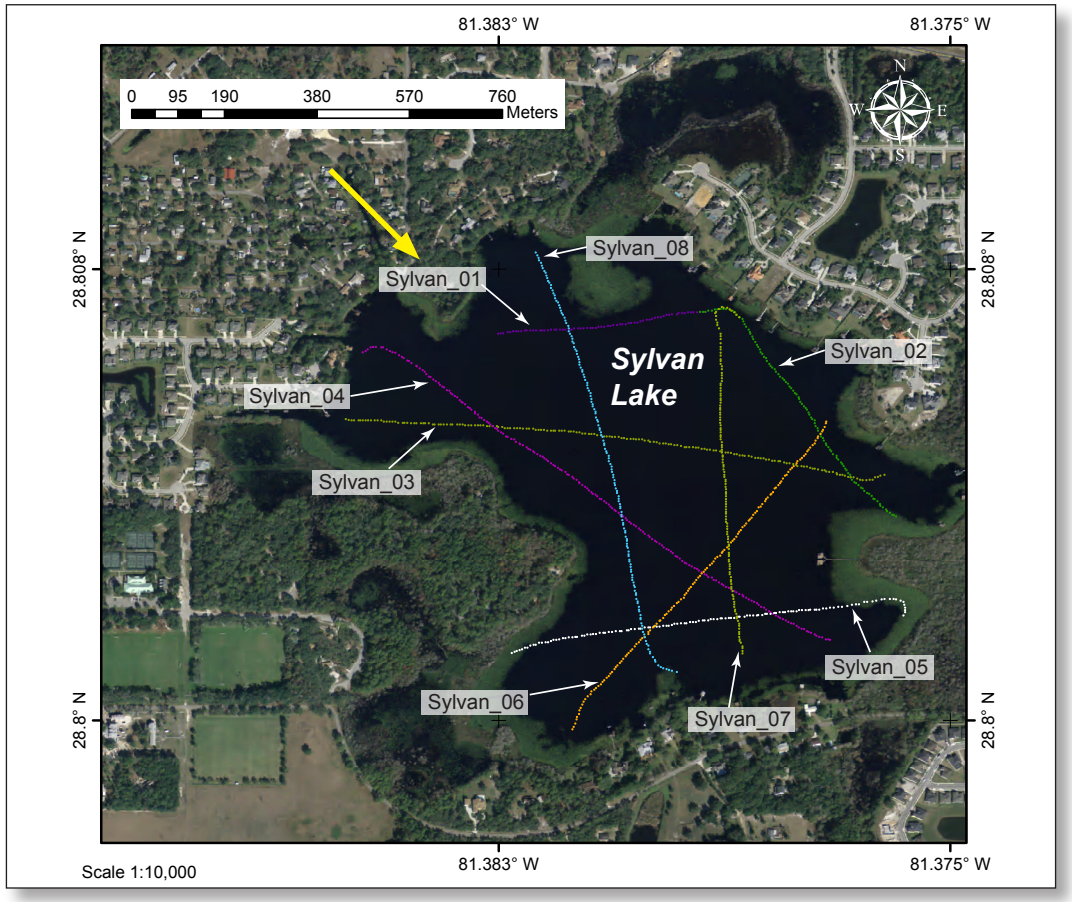


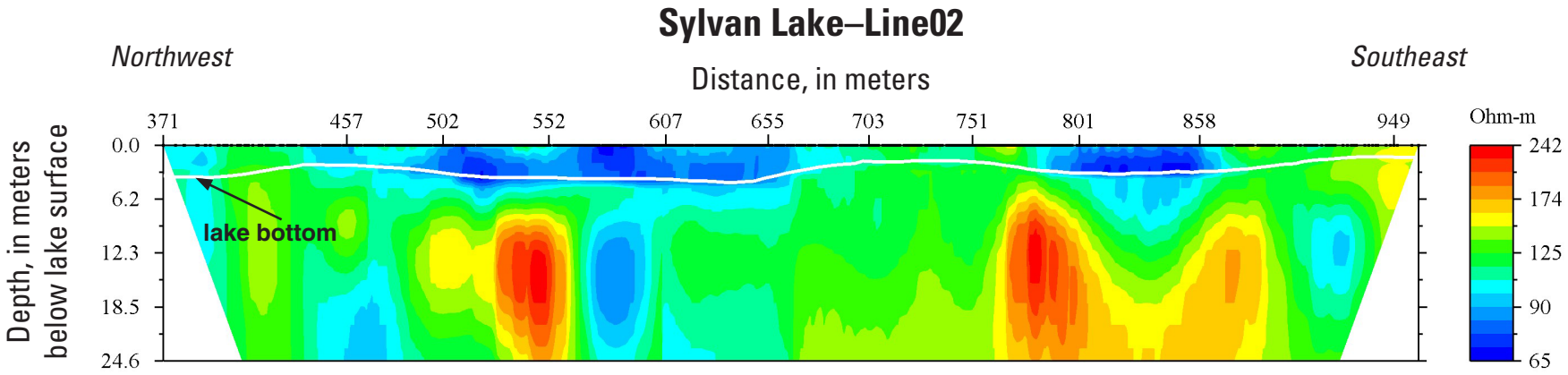
Continuous Resistivity Profiles

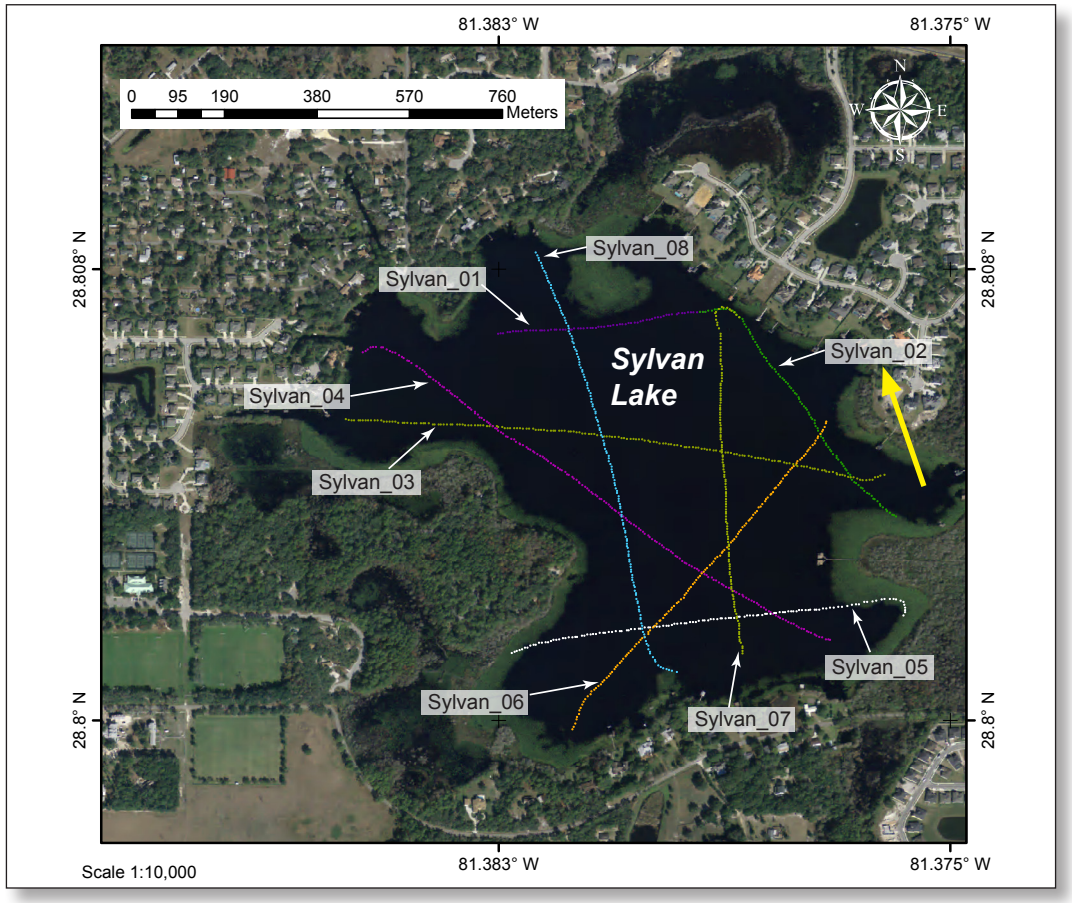


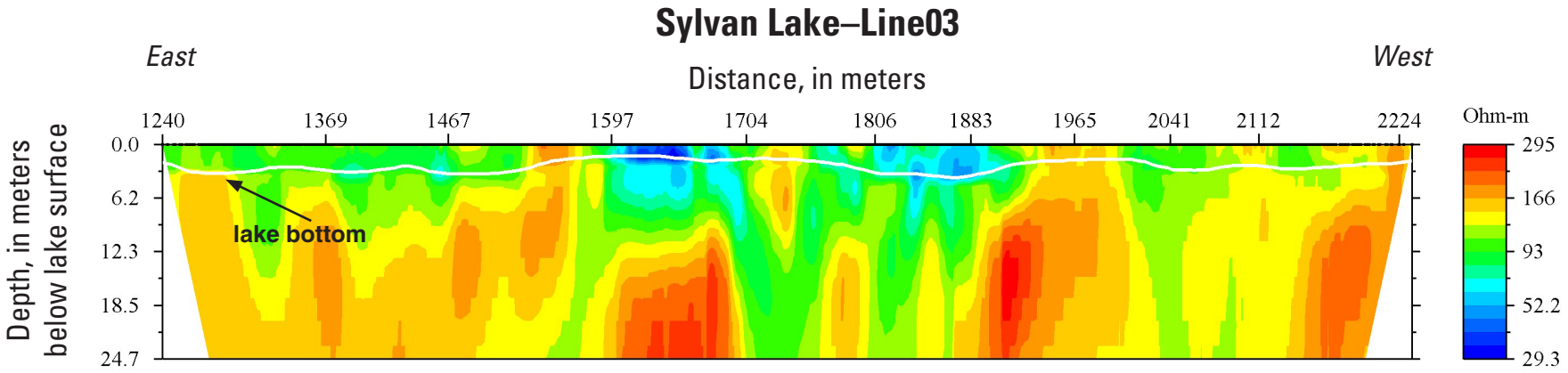
Scale 1:10,000

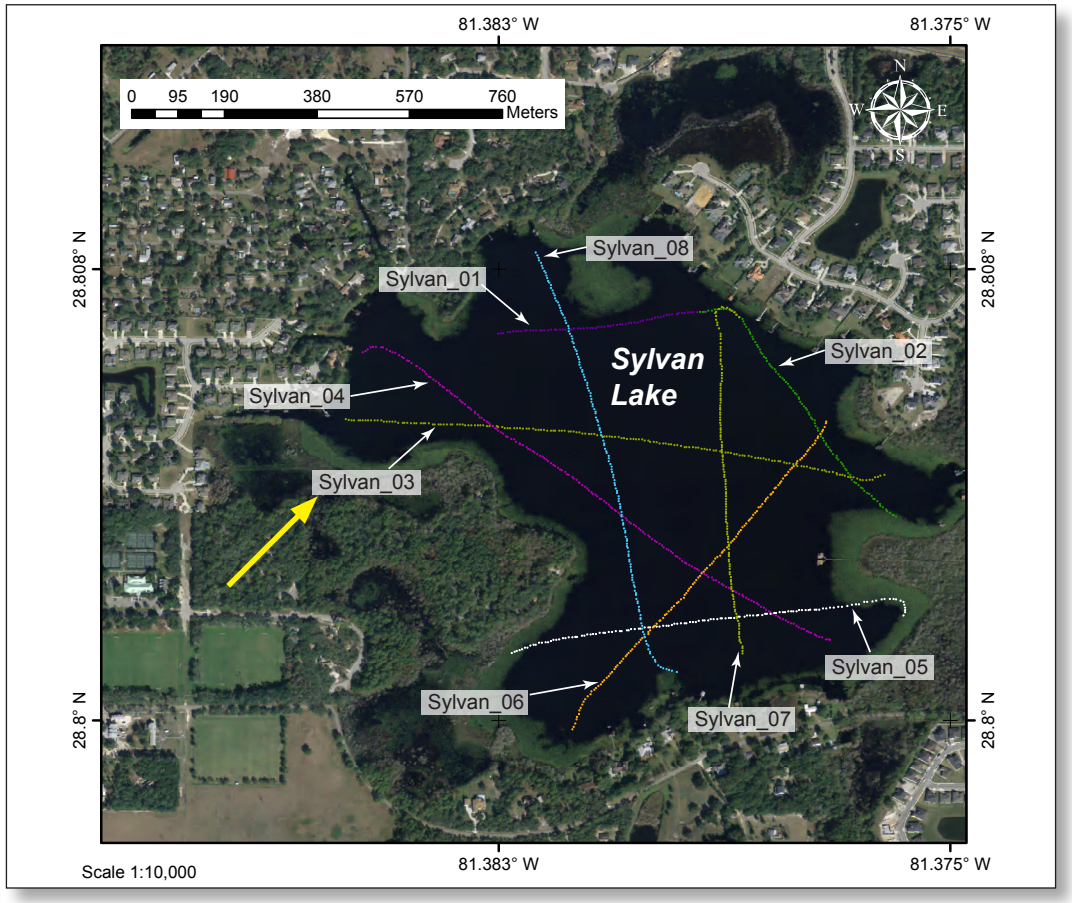

Sylvan Lake–Line01
West
East
Distance, in meters
2
65
97
123
160
195
224
252
281
317
Depth, in meters below lake surface
0.0
6.2
12.3
18.5
24.7
lake bottom
Ohm-m
216
149
103
72
49.6

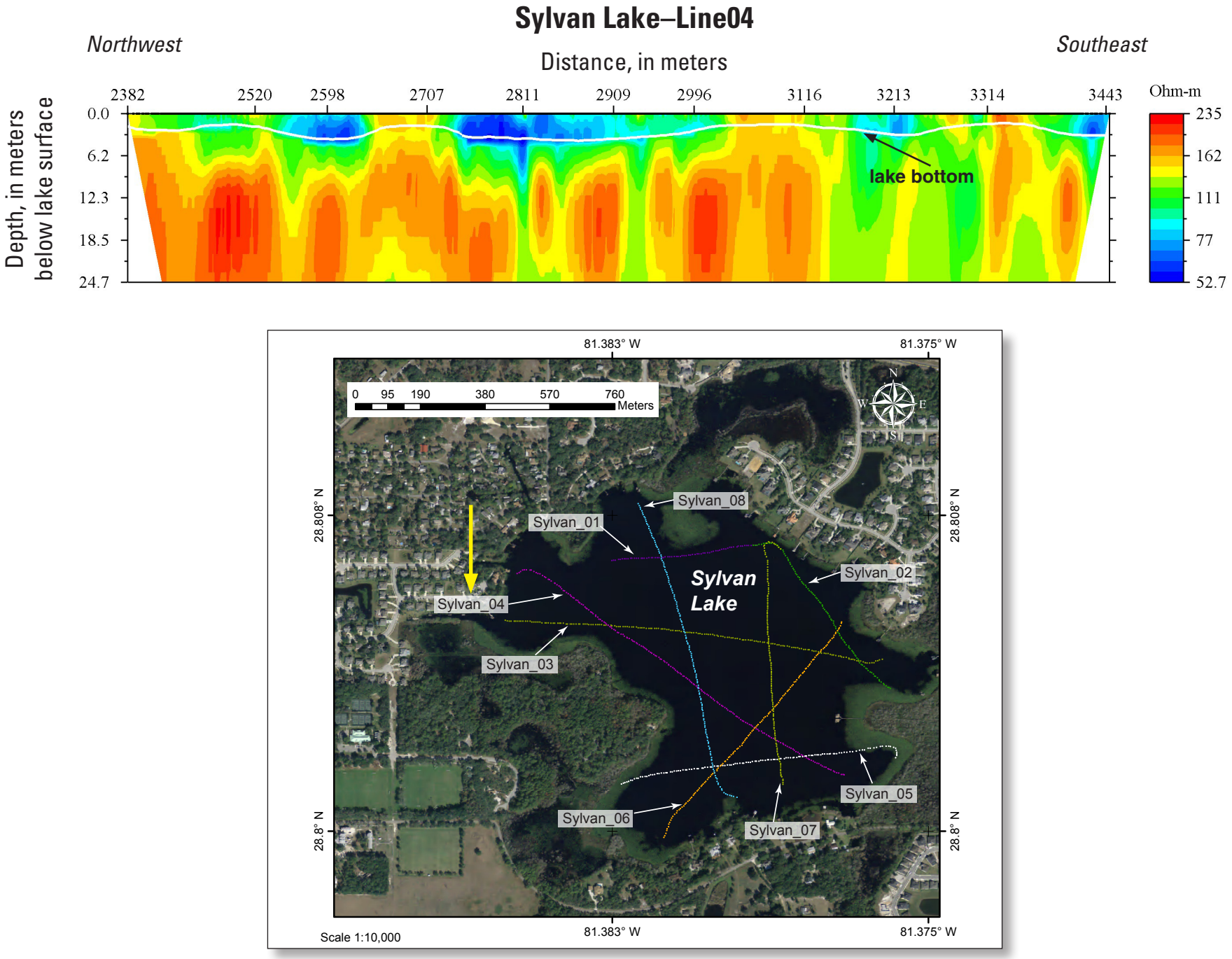

81.383° W
81.375° W
0 95 190 380 570 760
Meters
N
W
E
S
28.808° N
28.8° N
Sylvan_01
Sylvan_08
Sylvan_02
Sylvan_04
Sylvan_03
Sylvan_05
Sylvan_06
Sylvan_07
Sylvan Lake
Scale 1:10,000

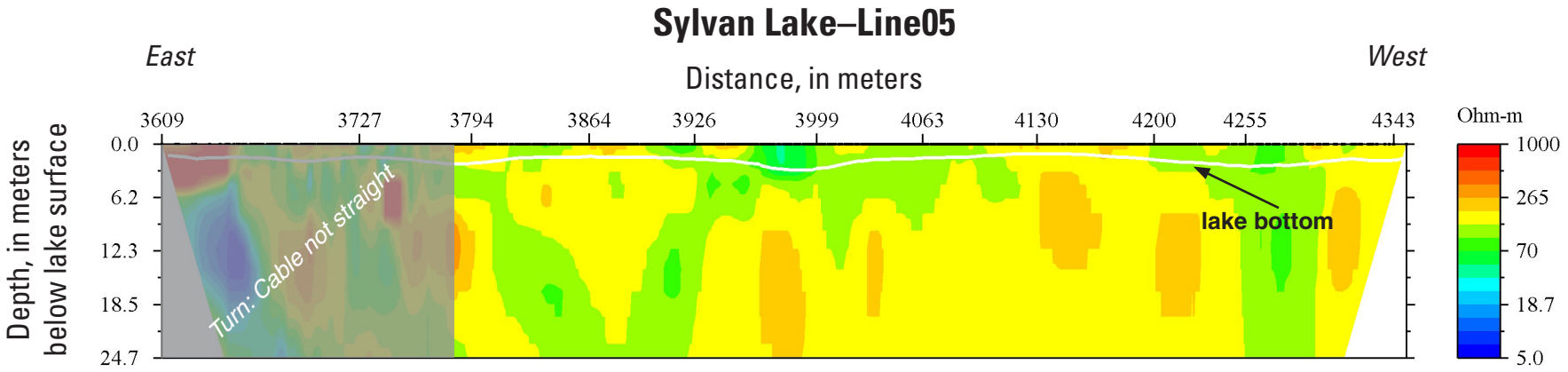

Sylvan Lake–Line02
Northwest
Southeast
Distance, in meters
371
457
502
552
607
655
703
751
801
858
949
Depth, in meters below lake surface
0.0
6.2
12.3
18.5
24.6
lake bottom
Ohm-m
242
174
125
90
65

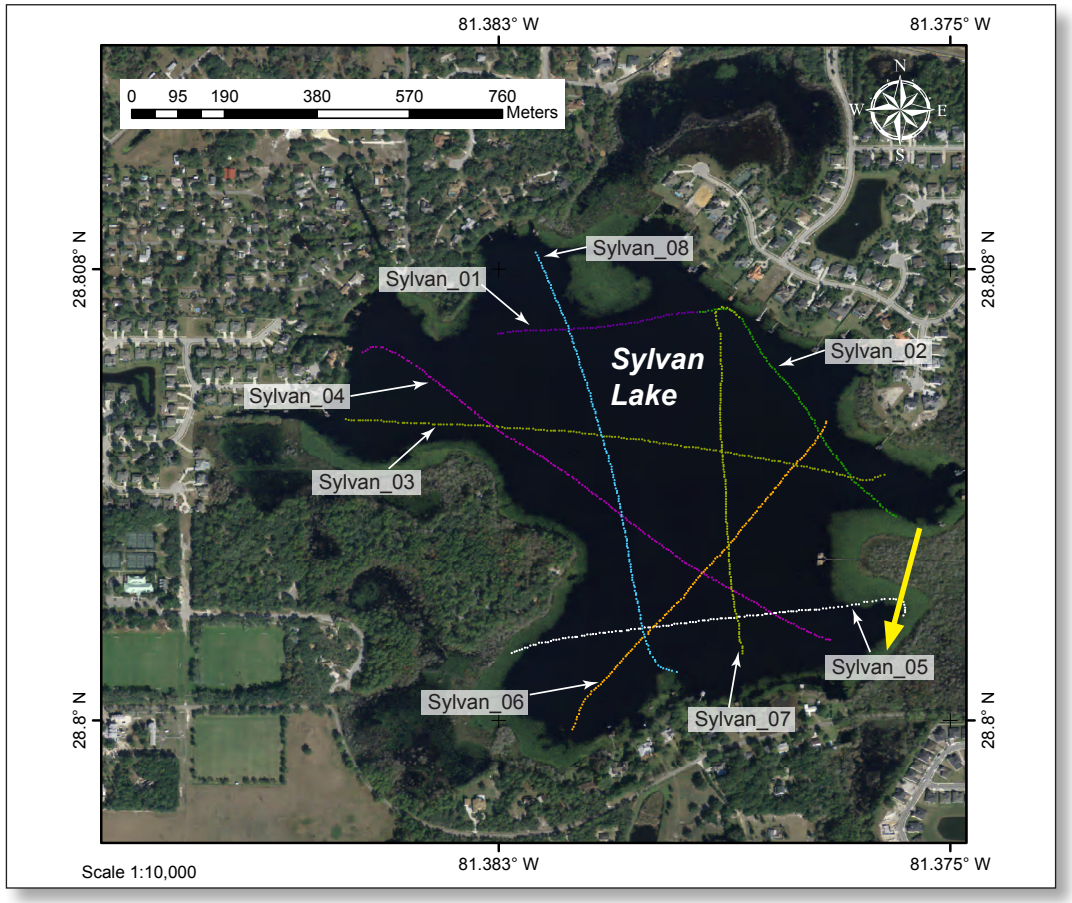

81.383° W
81.375° W
0 95 190 380 570 760
Meters
N
W
E
S
28.808° N
28.8° N
Sylvan_08
Sylvan_01
Sylvan_02
Sylvan_04
Sylvan_03
Sylvan Lake
Sylvan_05
Sylvan_06
Sylvan_07
Scale 1:10,000

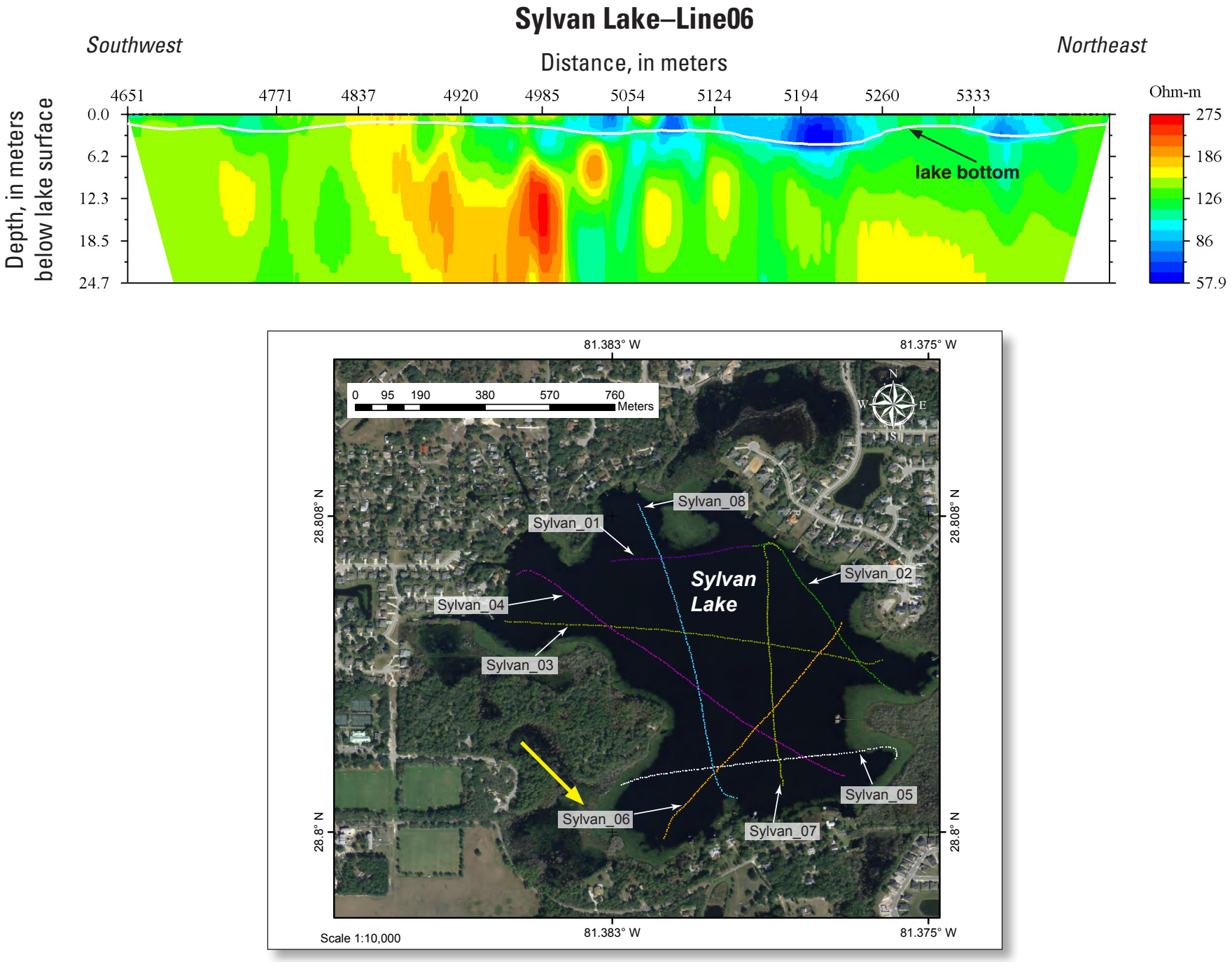

Sylvan Lake–Line03
East
West
Distance, in meters
1240
1369
1467
1597
1704
1806
1883
1965
2041
2112
2224
Depth, in meters below lake surface
0.0
6.2
12.3
18.5
24.7
lake bottom
Ohm-m
295
166
93
52.2
29.3

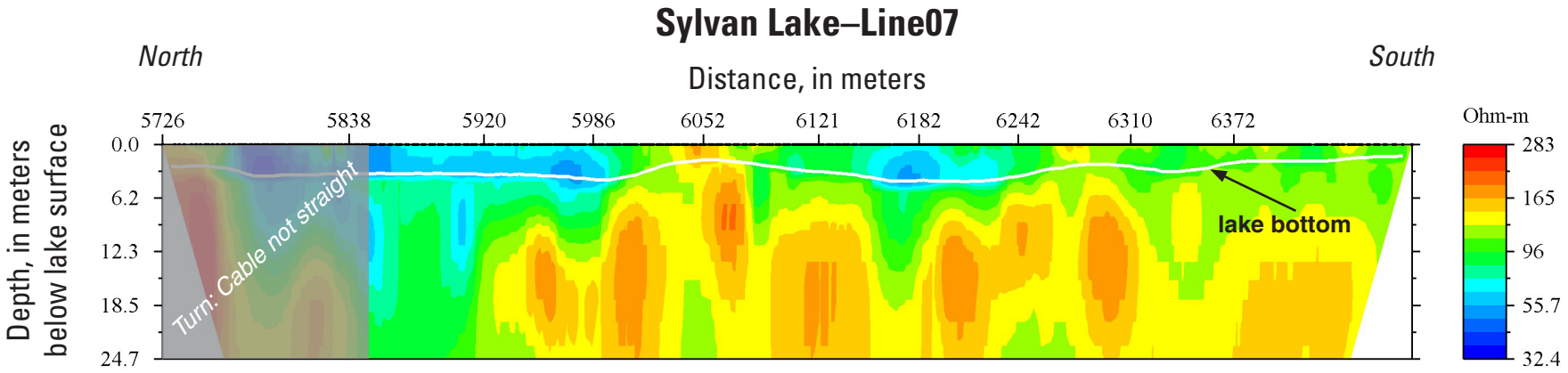

81.383° W
81.375° W
0 95 190 380 570 760
Meters
N
W
E
S
28.808° N
28.8° N
Sylvan_08
Sylvan_01
Sylvan_02
Sylvan Lake
Sylvan_04
Sylvan_03
Sylvan_05
Sylvan_06
Sylvan_07
Scale 1:10,000

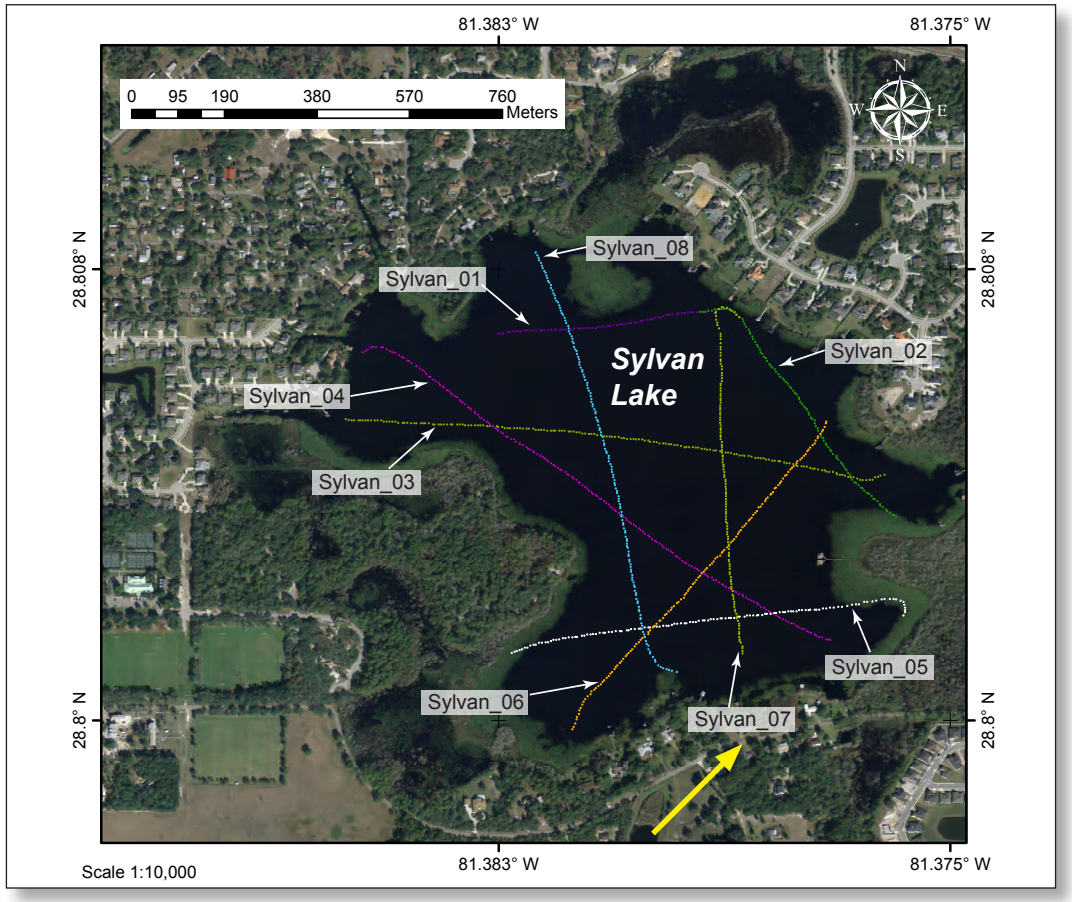
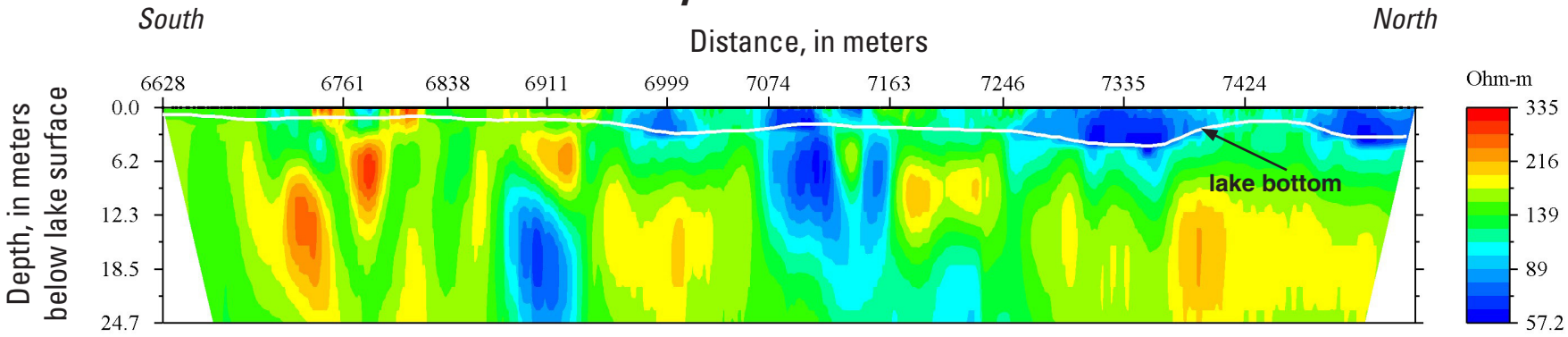
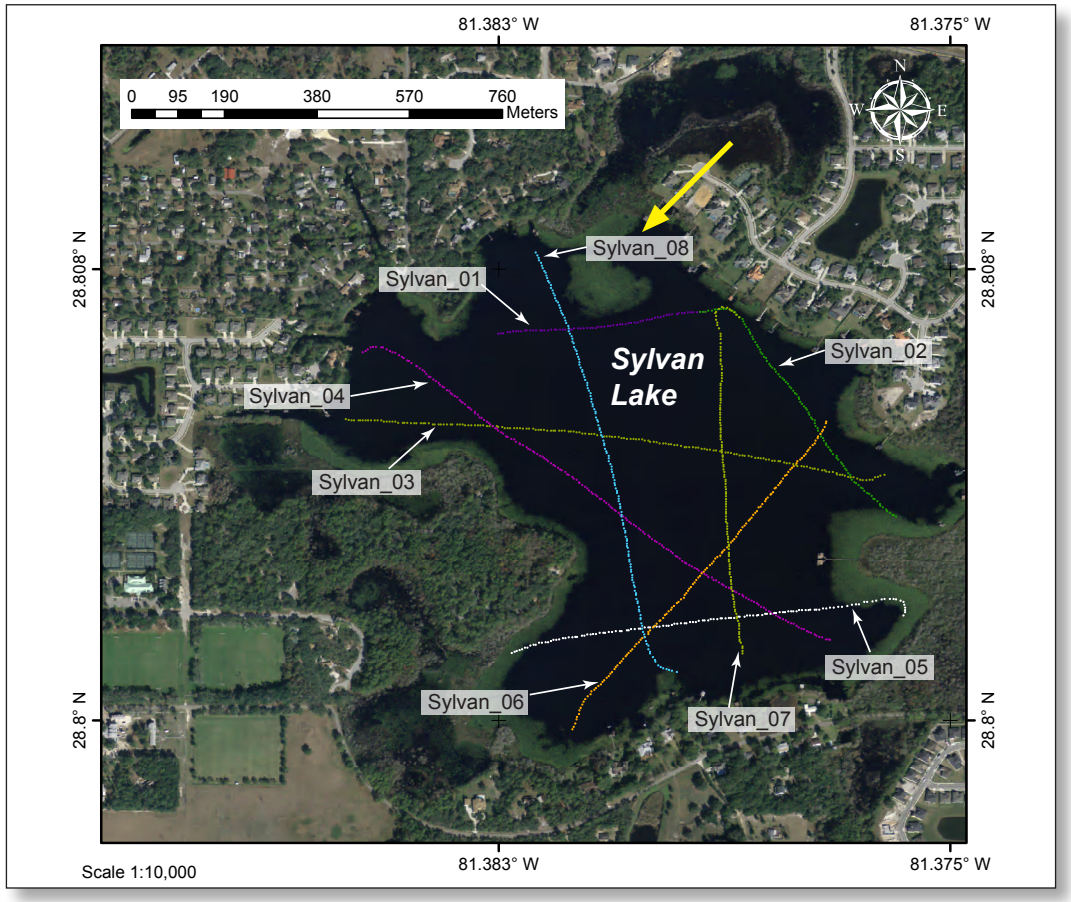

Sylvan Lake–Line04
Northwest
Southeast
Distance, in meters
2382
2520
2598
2707
2811
2909
2996
3116
3213
3314
3443
Depth, in meters below lake surface
0.0
6.2
12.3
18.5
24.7
lake bottom
Ohm-m
235
162
111
77
52.7
81.383° W
81.375° W
0 95 190 380 570 760
Meters
N
W
E
S
28.808° N
28.8° N
Sylvan_01
Sylvan_02
Sylvan_03
Sylvan_04
Sylvan_05
Sylvan_06
Sylvan_07
Sylvan_08
Sylvan Lake
Scale 1:10,000


Sylvan Lake–Line05
East
West
Distance, in meters
3609
3727
3794
3864
3926
3999
4063
4130
4200
4255
4343
Depth, in meters below lake surface
0.0
6.2
12.3
18.5
24.7
Turn: Cable not straight
lake bottom
Ohm-m
1000
265
70
18.7
5.0


81.383° W
81.375° W
0 95 190 380 570 760
Meters
N
W
E
S
28.808° N
28.8° N
Sylvan_08
Sylvan_01
Sylvan_02
Sylvan Lake
Sylvan_04
Sylvan_03
Sylvan_05
Sylvan_06
Sylvan_07
Scale 1:10,000


Sylvan Lake–Line06
Southwest
Northeast
Distance, in meters
4651
4771
4837
4920
4985
5054
5124
5194
5260
5333
Depth, in meters below lake surface
0.0
6.2
12.3
18.5
24.7
lake bottom
Ohm-m
275
186
126
86
57.9
81.383° W
81.375° W
0 95 190 380 570 760
Meters
N
W
E
S
28.808° N
28.8° N
Sylvan_08
Sylvan_01
Sylvan_02
Sylvan Lake
Sylvan_04
Sylvan_03
Sylvan_05
Sylvan_06
Sylvan_07
Scale 1:10,000


Sylvan Lake–Line07
North
South
Distance, in meters
5726
5838
5920
5986
6052
6121
6182
6242
6310
6372
Depth, in meters below lake surface
0.0
6.2
12.3
18.5
24.7
Turn: Cable not straight
lake bottom
Ohm-m
283
165
96
55.7
32.4


81.383° W
81.375° W
0 95 190 380 570 760
Meters
N
W
E
S
28.808° N
Sylvan_08
Sylvan_01
Sylvan_02
Sylvan Lake
Sylvan_04
Sylvan_03
Sylvan_05
Sylvan_06
Sylvan_07
28.8° N
Scale 1:10,000

Sylvan Lake–Line08