Comment on Limitations of Map Precision

The limits of precision of the stratigraphic picks and gridding method should be understood when utilizing these aquifer maps. The computed map data only provide estimates of the depths and thicknesses of the physical stratigraphic units on the basis of the available borehole data and methods selected.

The borehole type impacts data quality. Depths of stratigraphic picks based on geophysical logs may be accurate to within a few feet, depending on the log type. Picks made in cores are very accurate, within the limits of any incomplete core recovery. In contrast, depths picked from cuttings sample or drillers logs might in some cases only be considered confidently accurate to the nearest 10 ft, depending on the methodology and care used by the driller. More data were available from lower quality drillers log-based picks (85%) and less higher-quality data were available from holes with geophysical logs. As explained in the Methods section, we mostly used the higher-quality stratigraphic picks from geophysical logs to construct the maps of the more consistently occurring confined aquifers; mapping of the unconfined aquifer used the drillers logs as well to allow higher data density that better captures the greater thickness variations.

In addition, the distribution of the data and the gridding methodology impacts the accuracy of the depth and thickness maps. The gridding approach used here is sensitive to the spatial distribution of data and the variability of those data between boreholes. More data were available for the aquifers at shallower depths and less data from those that occur at greater depths. Data tends to be more densely concentrated in populated areas where water users live and is more sparsely distributed in rural areas. The rasters were computed at 100 m geographic precision so are only precise to that scale, at best.

As a result, the user of these maps should be cautioned not to assume greater precision of aquifer depth or thickness values than the underlying limitations of the data and methods will support. Near the data control points, the maps may have a precision close to the precision range of the borehole data type. Between data control points in areas of sparse data, precision could be significantly less.

Figure B1 (Text-figure 23).
Cheswold aquifer: Map of elevation of base of aquifer and stratigraphic equivalents.

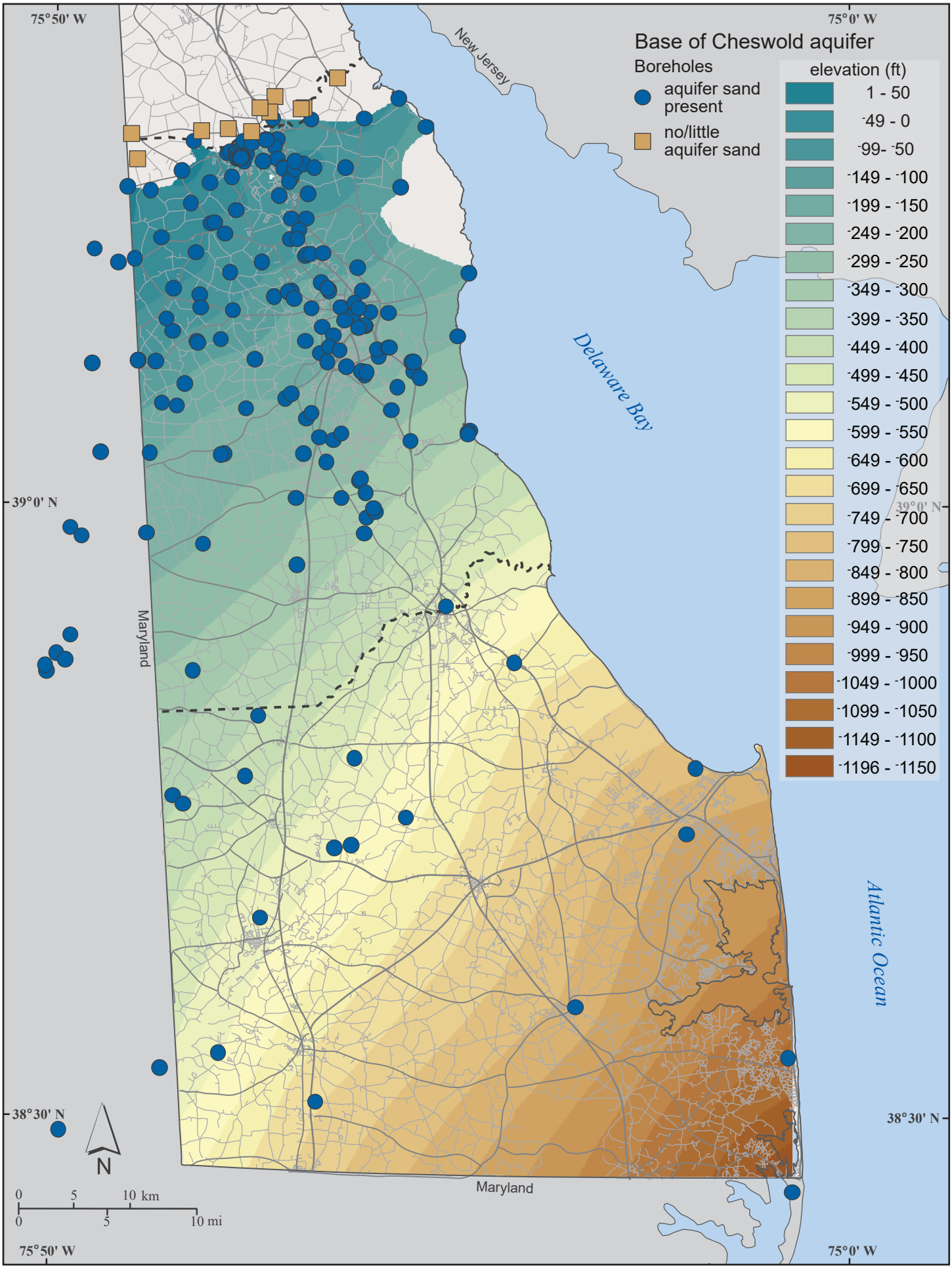

Base of Cheswold aquifer
Boreholes
aquifer sand present
no/little aquifer sand
elevation (ft)
1 - 50
-49 - 0
-99- -50
-149 - -100
-199 - -150
-249 - -200
-299 - -250
-349 - -300
-399 - -350
-449 - -400
-499 - -450
-549 - -500
-599 - -550
-649 - -600
-699 - -650
-749 - -700
-799 - -750
-849 - -800
-899 - -850
-949 - -900
-999 - -950
-1049 - -1000
-1099 - -1050
-1149 - -1100
-1196 - -1150
75°50' W
75°0' W
39°0' N
38°30' N
New Jersey
Delaware Bay
Atlantic Ocean
Maryland
Maryland
N
0 5 10 km
0 5 10 mi

Figure B2 (Text-figure 24).
Cheswold aquifer: Map of thickness of aquifer and stratigraphic equivalents.

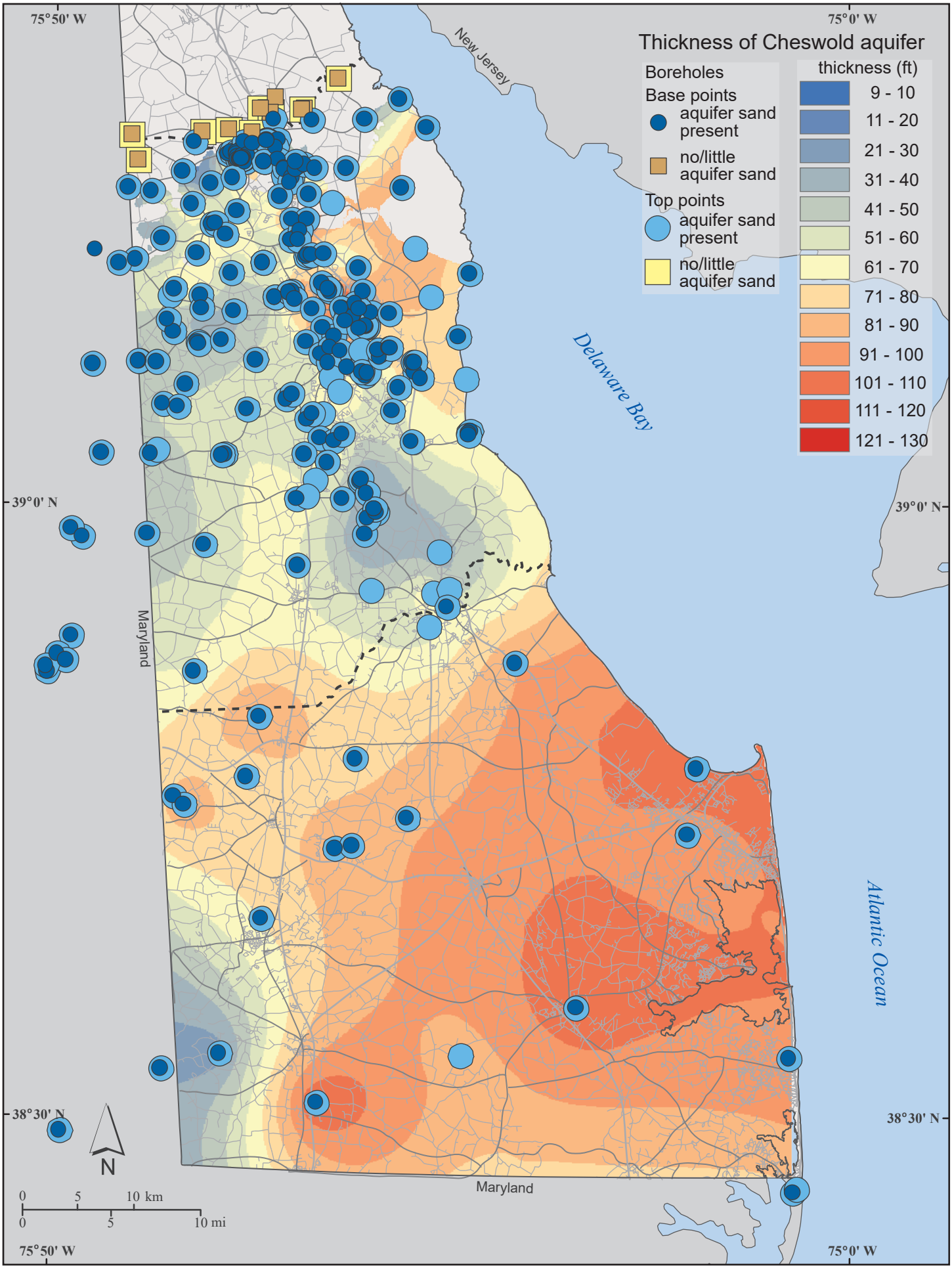

Thickness of Cheswold aquifer
Boreholes
Base points
aquifer sand present
no/little aquifer sand
Top points
aquifer sand present
no/little aquifer sand
thickness (ft)
9 - 10
11 - 20
21 - 30
31 - 40
41 - 50
51 - 60
61 - 70
71 - 80
81 - 90
91 - 100
101 - 110
111 - 120
121 - 130
75°50' W
75°0' W
39°0' N
38°30' N
New Jersey
Delaware Bay
Atlantic Ocean
Maryland
Maryland
N
0 5 10 km
0 5 10 mi

Figure B3 (Text-figure 22).
Cheswold aquifer: Map of elevation of top of aquifer and stratigraphic equivalents.

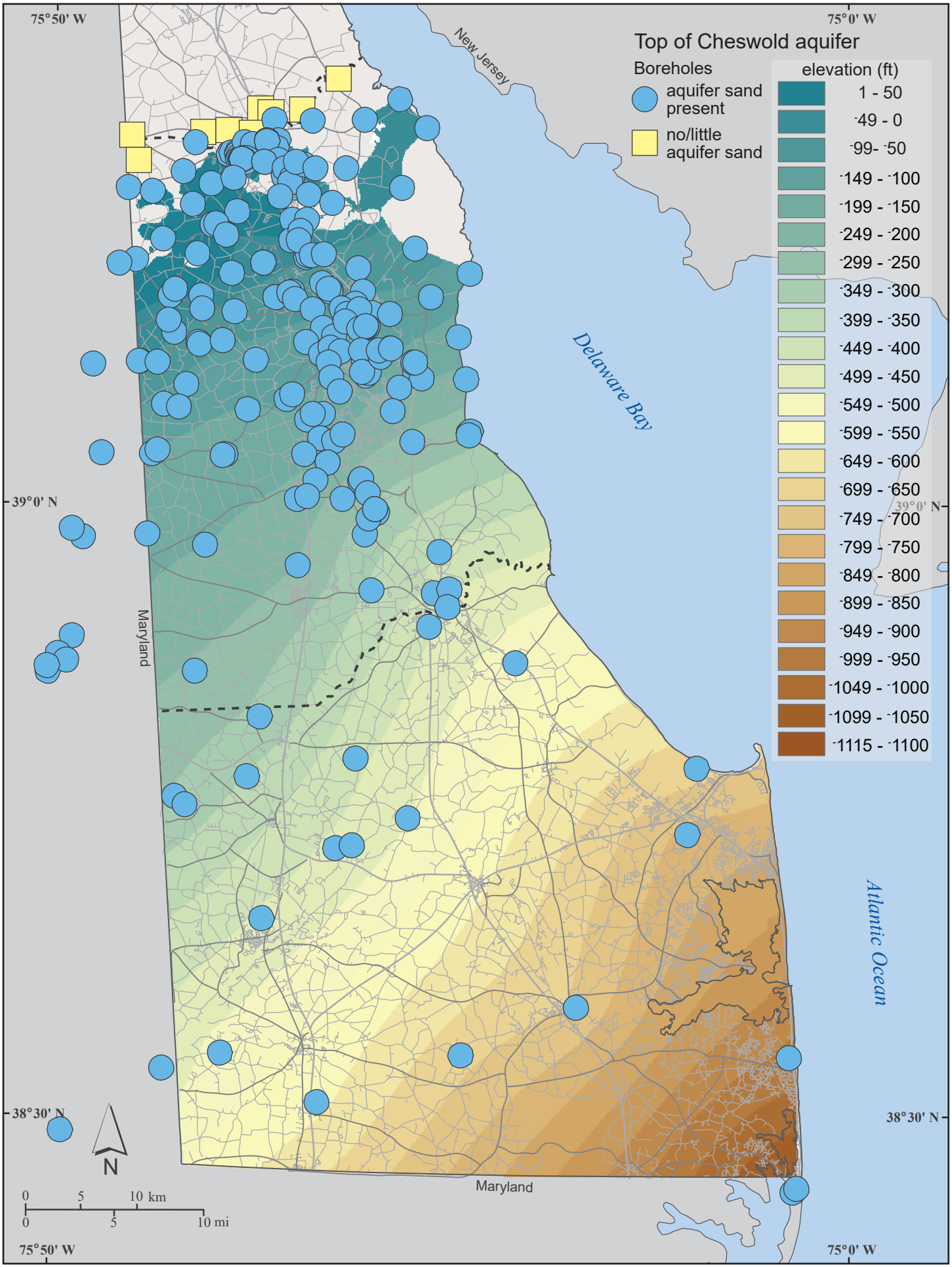

Top of Cheswold aquifer
Boreholes
aquifer sand present
no/little aquifer sand
elevation (ft)
1 - 50
-49 - 0
-99- -50
-149 - -100
-199 - -150
-249 - -200
-299 - -250
-349 - -300
-399 - -350
-449 - -400
-499 - -450
-549 - -500
-599 - -550
-649 - -600
-699 - -650
-749 - -700
-799 - -750
-849 - -800
-899 - -850
-949 - -900
-999 - -950
-1049 - -1000
-1099 - -1050
-1115 - -1100
New Jersey
Delaware Bay
Atlantic Ocean
Maryland
Maryland
75°50' W
75°0' W
39°0' N
38°30' N
N
0 5 10 km
0 5 10 mi

Figure B4 (Text-figure 26).
Federalsburg aquifer: Map of elevation of base of aquifer and stratigraphic equivalents.

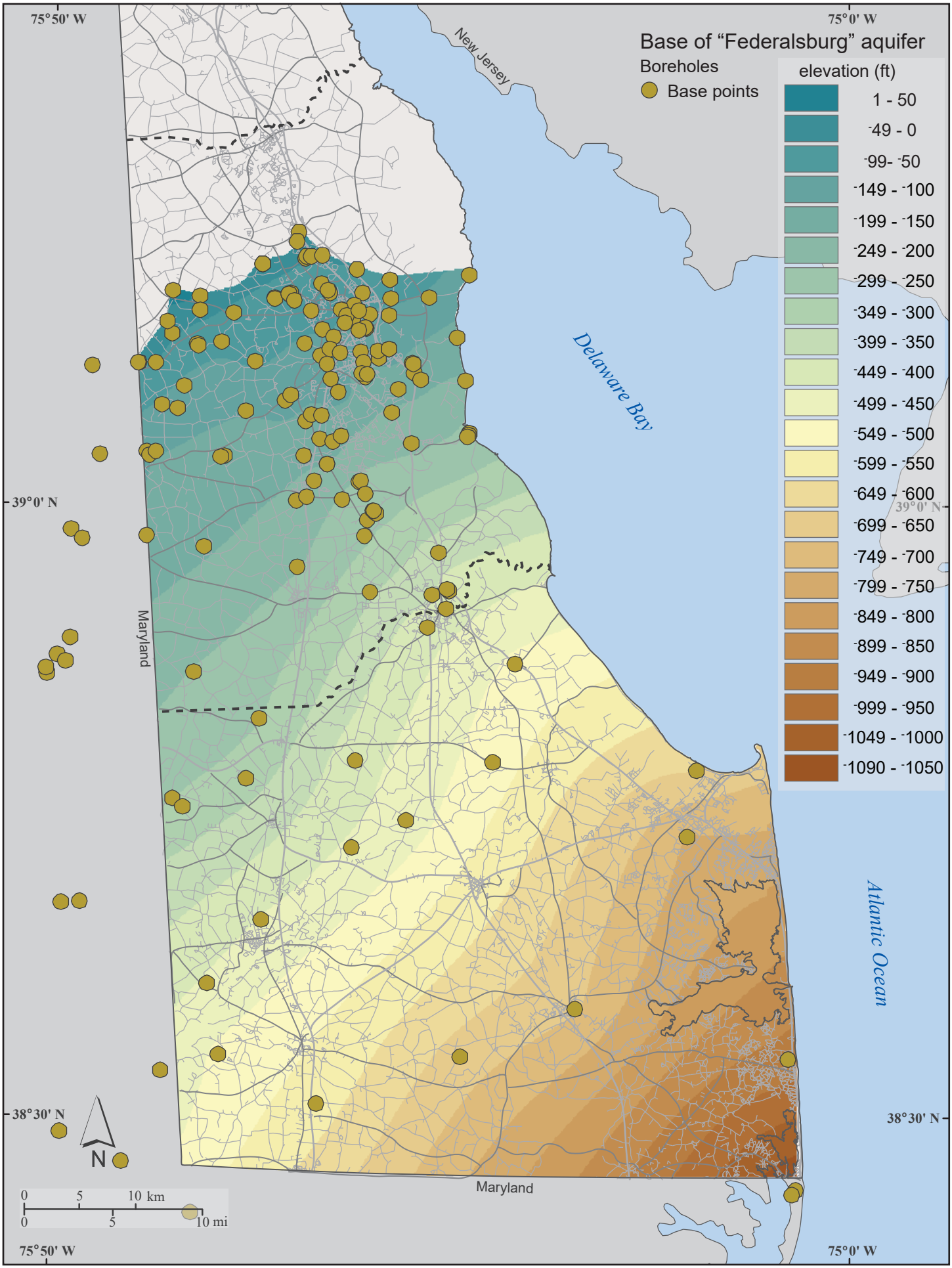

Base of “Federalsburg” aquifer
Boreholes
Base points
elevation (ft)
1 - 50
-49 - 0
-99- -50
-149 - -100
-199 - -150
-249 - -200
-299 - -250
-349 - -300
-399 - -350
-449 - -400
-499 - -450
-549 - -500
-599 - -550
-649 - -600
-699 - -650
-749 - -700
-799 - -750
-849 - -800
-899 - -850
-949 - -900
-999 - -950
-1049 - -1000
-1090 - -1050
New Jersey
Delaware Bay
Atlantic Ocean
Maryland
Maryland
75°50' W
75°0' W
39°0' N
38°30' N
N
0 5 10 km
0 5 10 mi

Figure B5 (Text-figure 27).
Federalsburg aquifer: Map of thickness of aquifer and stratigraphic equivalents.

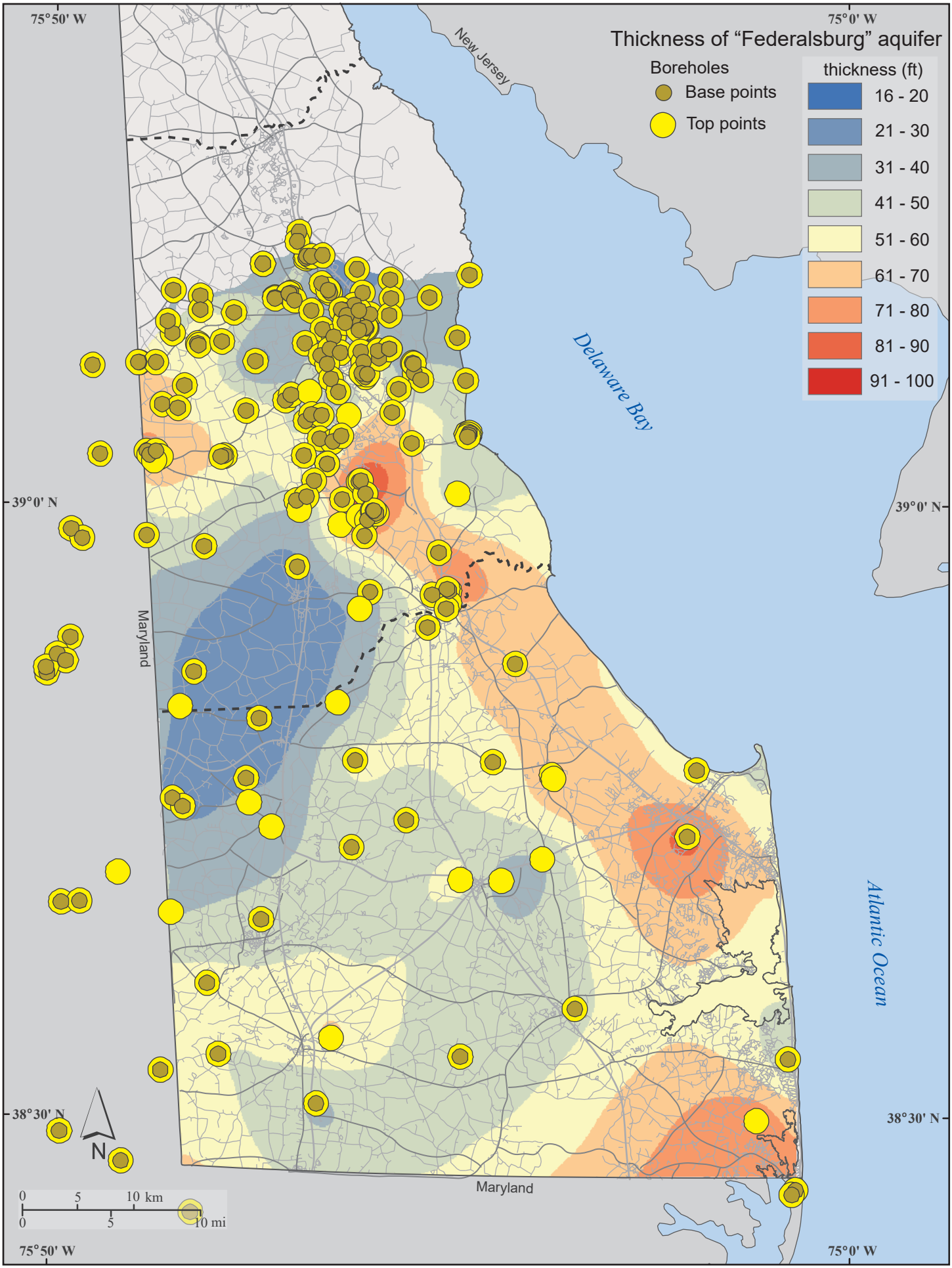

Thickness of “Federalsburg” aquifer
Boreholes
Base points
Top points
thickness (ft)
16 - 20
21 - 30
31 - 40
41 - 50
51 - 60
61 - 70
71 - 80
81 - 90
91 - 100
New Jersey
Delaware Bay
Atlantic Ocean
Maryland
Maryland
75°50' W
75°0' W
39°0' N
38°30' N
N
0 5 10 km
0 5 10 mi

Figure B6 (Text-figure 25).
Federalsburg aquifer: Map of elevation of top of aquifer and stratigraphic equivalents.

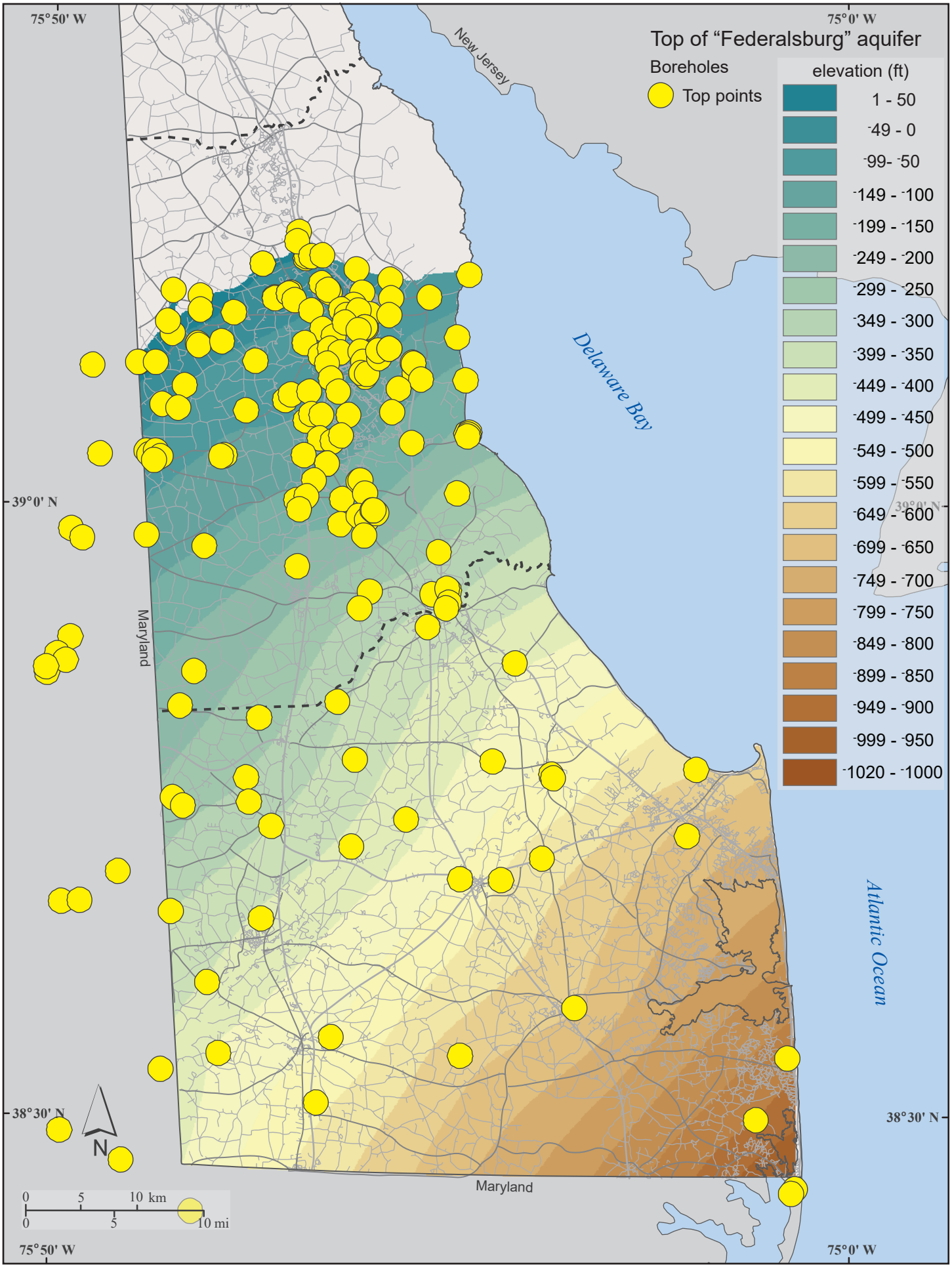

Top of “Federalsburg” aquifer
Boreholes
Top points
elevation (ft)
1 - 50
-49 - 0
-99- -50
-149 - -100
-199 - -150
-249 - -200
-299 - -250
-349 - -300
-399 - -350
-449 - -400
-499 - -450
-549 - -500
-599 - -550
-649 - -600
-699 - -650
-749 - -700
-799 - -750
-849 - -800
-899 - -850
-949 - -900
-999 - -950
-1020 - -1000
75°50' W
75°0' W
39°0' N
38°30' N
New Jersey
Delaware Bay
Atlantic Ocean
Maryland
Maryland
N
0 5 10 km
0 5 10 mi

Figure B7 (Text-figure 29).
Frederica aquifer: Map of elevation of base of aquifer and stratigraphic equivalents.

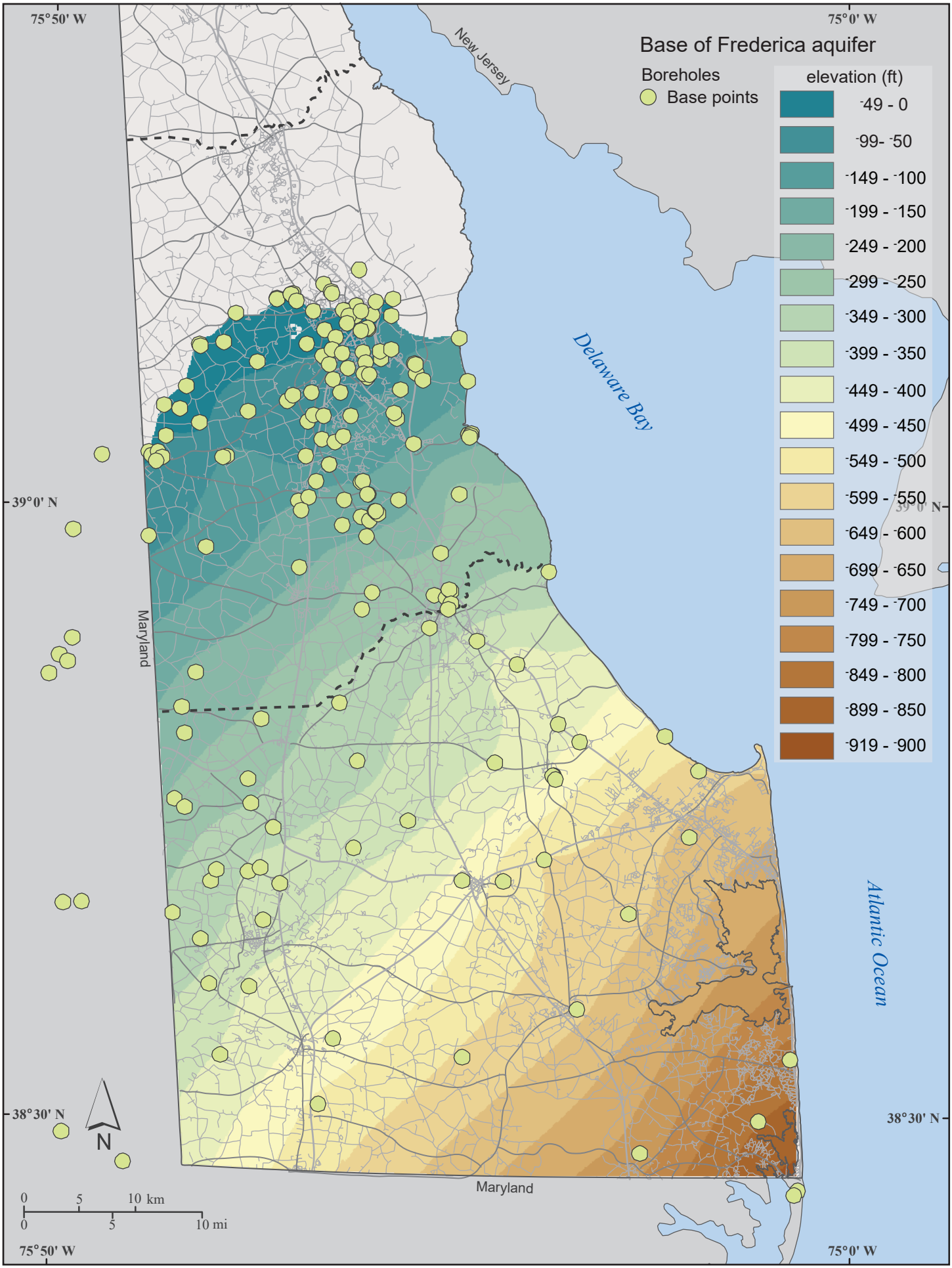

Base of Frederica aquifer
Boreholes
Base points
elevation (ft)
-49 - 0
-99- -50
-149 - -100
-199 - -150
-249 - -200
-299 - -250
-349 - -300
-399 - -350
-449 - -400
-499 - -450
-549 - -500
-599 - -550
-649 - -600
-699 - -650
-749 - -700
-799 - -750
-849 - -800
-899 - -850
-919 - -900
New Jersey
Delaware Bay
Atlantic Ocean
Maryland
Maryland
75°50' W
75°0' W
39°0' N
38°30' N
N
0 5 10 km
0 5 10 mi

Figure B8 (Text-figure 30).
Frederica aquifer: Map of thickness of aquifer and stratigraphic equivalents.

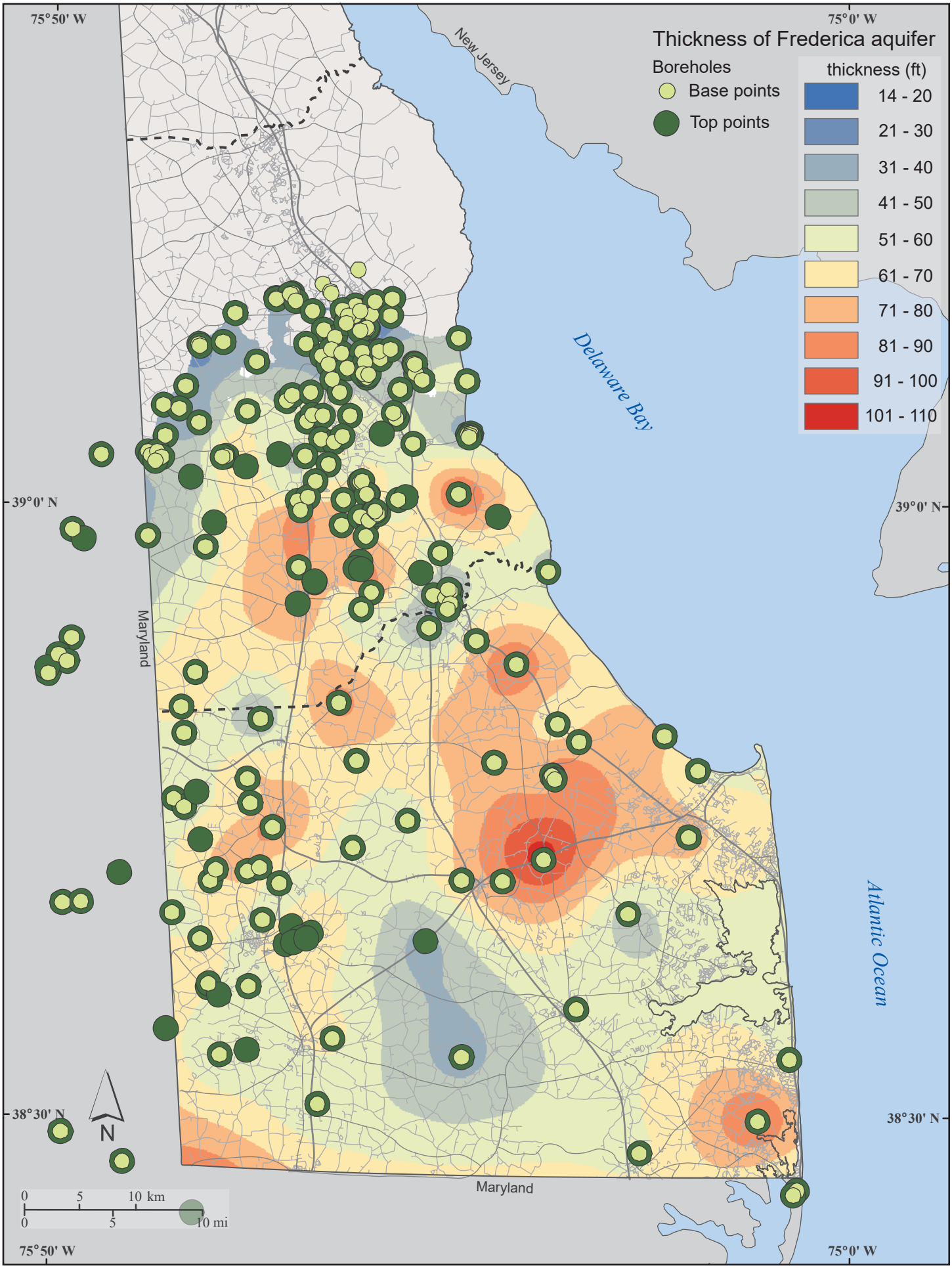

Thickness of Frederica aquifer
Boreholes
Base points
Top points
thickness (ft)
14 - 20
21 - 30
31 - 40
41 - 50
51 - 60
61 - 70
71 - 80
81 - 90
91 - 100
101 - 110
75°50' W
75°0' W
39°0' N
38°30' N
New Jersey
Delaware Bay
Atlantic Ocean
Maryland
Maryland
N
0 5 10 km
0 5 10 mi

Figure B9 (Text-figure 28).
Frederica aquifer: Map of elevation of top of aquifer and stratigraphic equivalents.

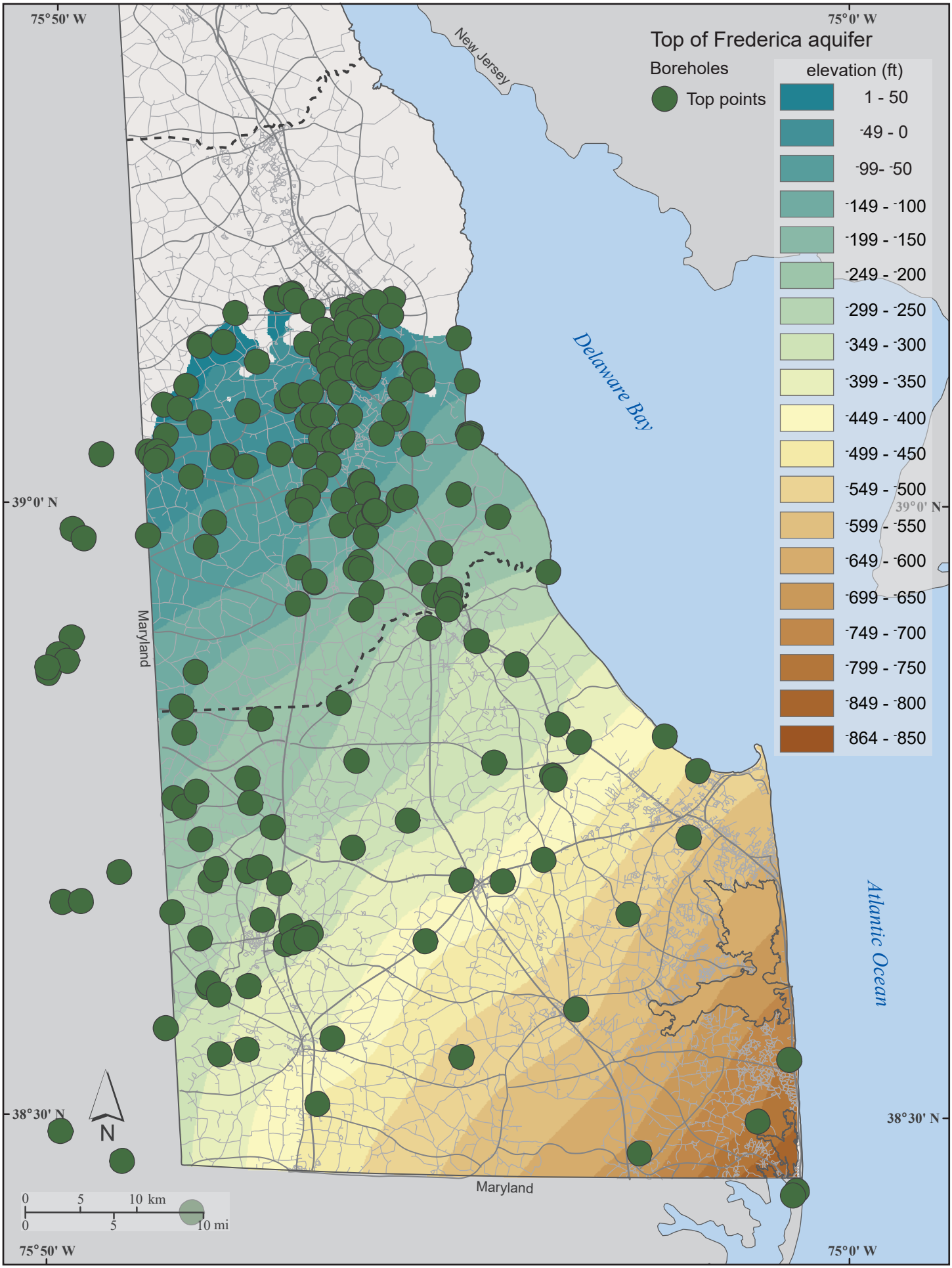

Top of Frederica aquifer
Boreholes
Top points
elevation (ft)
1 - 50
-49 - 0
-99- -50
-149 - -100
-199 - -150
-249 - -200
-299 - -250
-349 - -300
-399 - -350
-449 - -400
-499 - -450
-549 - -500
-599 - -550
-649 - -600
-699 - -650
-749 - -700
-799 - -750
-849 - -800
-864 - -850
75°50' W
75°0' W
39°0' N
38°30' N
New Jersey
Delaware Bay
Atlantic Ocean
Maryland
Maryland
N
0 5 10 km
0 5 10 mi

Figure B10 (Text-figure 19).
Lower Calvert aquifer: Map of elevation of base of aquifer and stratigraphic equivalents.

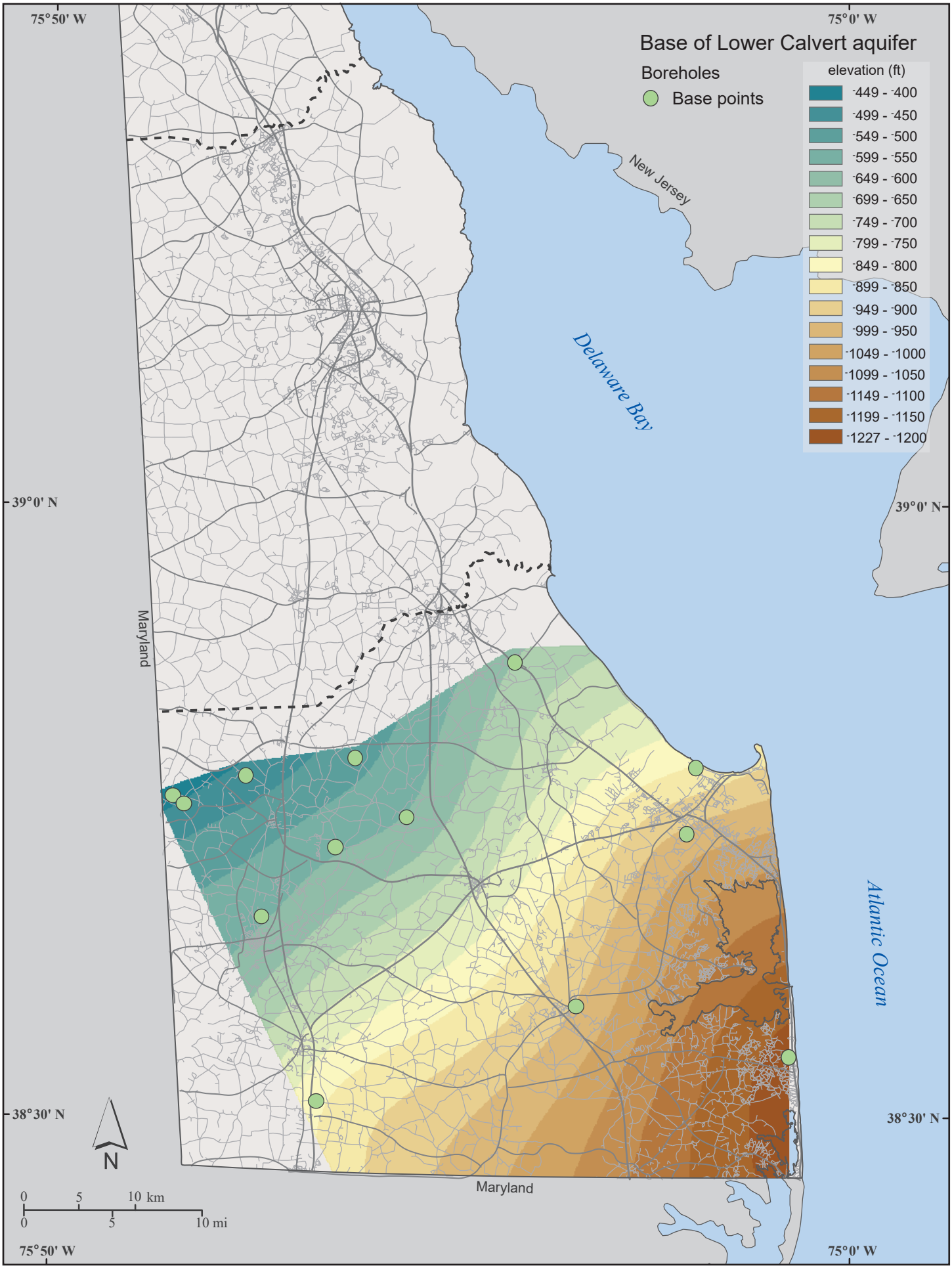

Base of Lower Calvert aquifer
Boreholes
Base points
elevation (ft)
-449 - -400
-499 - -450
-549 - -500
-599 - -550
-649 - -600
-699 - -650
-749 - -700
-799 - -750
-849 - -800
-899 - -850
-949 - -900
-999 - -950
-1049 - -1000
-1099 - -1050
-1149 - -1100
-1199 - -1150
-1227 - -1200
75°50' W
75°0' W
39°0' N
38°30' N
New Jersey
Delaware Bay
Atlantic Ocean
Maryland
Maryland
N
0 5 10 km
0 5 10 mi

Figure B11 (Text-figure 20).
Lower Calvert aquifer: Map of thickness of aquifer and stratigraphic equivalents.

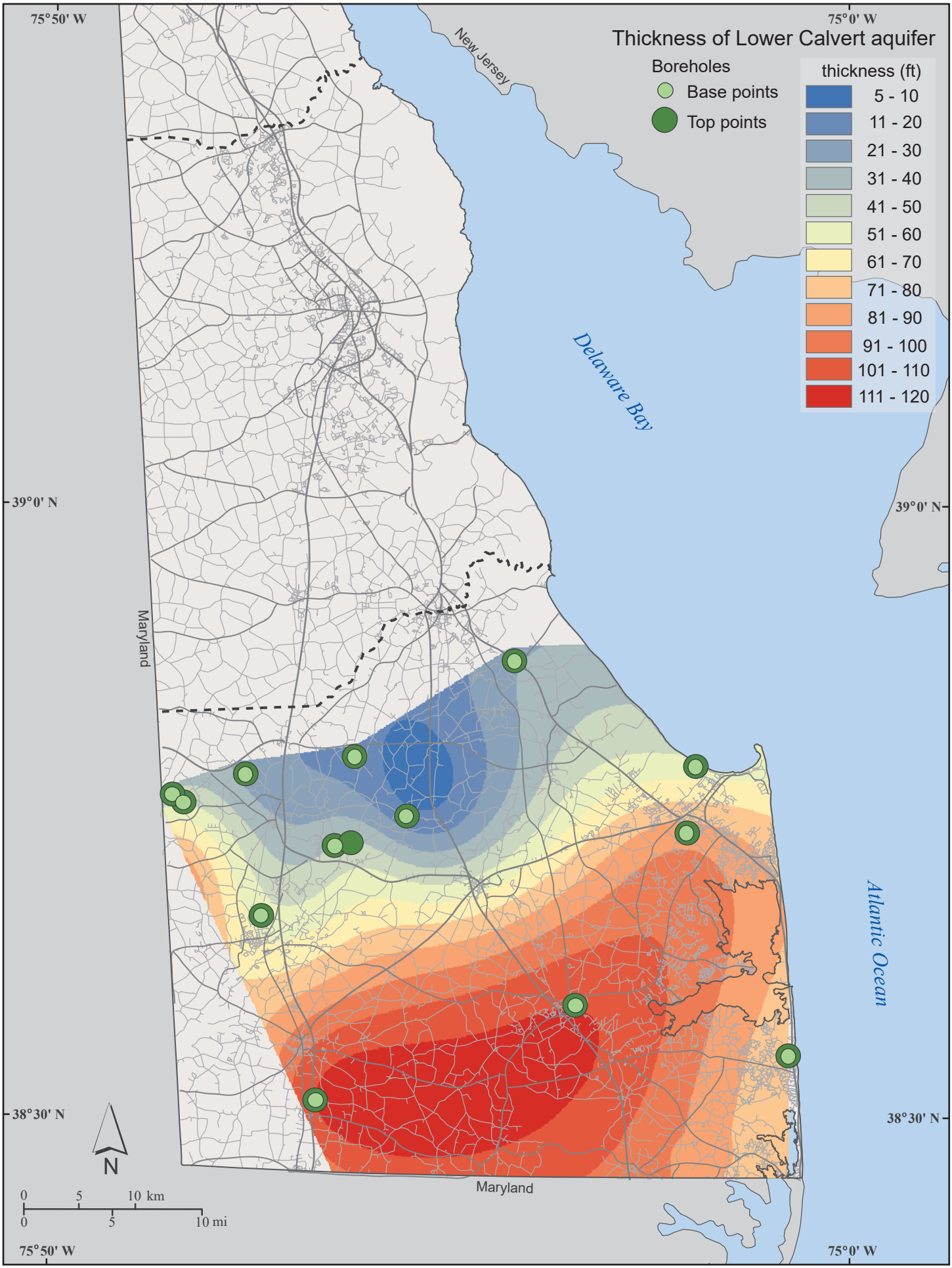

Thickness of Lower Calvert aquifer
Boreholes
Base points
Top points
thickness (ft)
5 - 10
11 - 20
21 - 30
31 - 40
41 - 50
51 - 60
61 - 70
71 - 80
81 - 90
91 - 100
101 - 110
111 - 120
75°50' W
75°0' W
39°0' N
38°30' N
New Jersey
Delaware Bay
Atlantic Ocean
Maryland
Maryland
N
0 5 10 km
0 5 10 mi

Figure B12 (Text-figure 18).
Lower Calvert aquifer: Map of elevation of top of aquifer and stratigraphic equivalents.

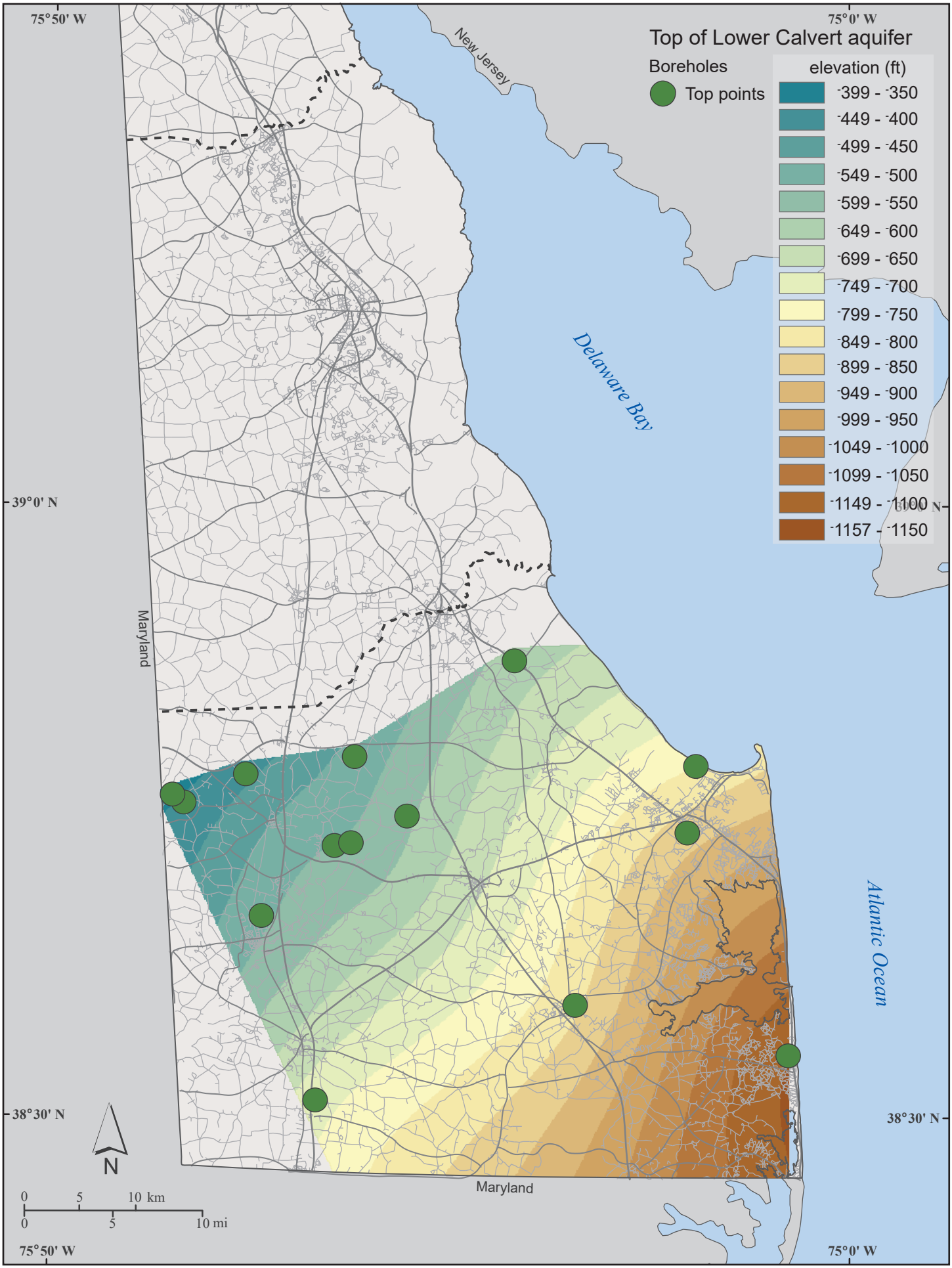

Top of Lower Calvert aquifer
Boreholes
Top points
elevation (ft)
-399 - -350
-449 - -400
-499 - -450
-549 - -500
-599 - -550
-649 - -600
-699 - -650
-749 - -700
-799 - -750
-849 - -800
-899 - -850
-949 - -900
-999 - -950
-1049 - -1000
-1099 - -1050
-1149 - -1100
-1157 - -1150
75°50' W
75°0' W
39°0' N
38°30' N
New Jersey
Delaware Bay
Atlantic Ocean
Maryland
Maryland
N
0 5 10 km
0 5 10 mi

Figure B13 (Text-figure 41).
Manokin aquifer: Map of elevation of base of aquifer and stratigraphic equivalents.

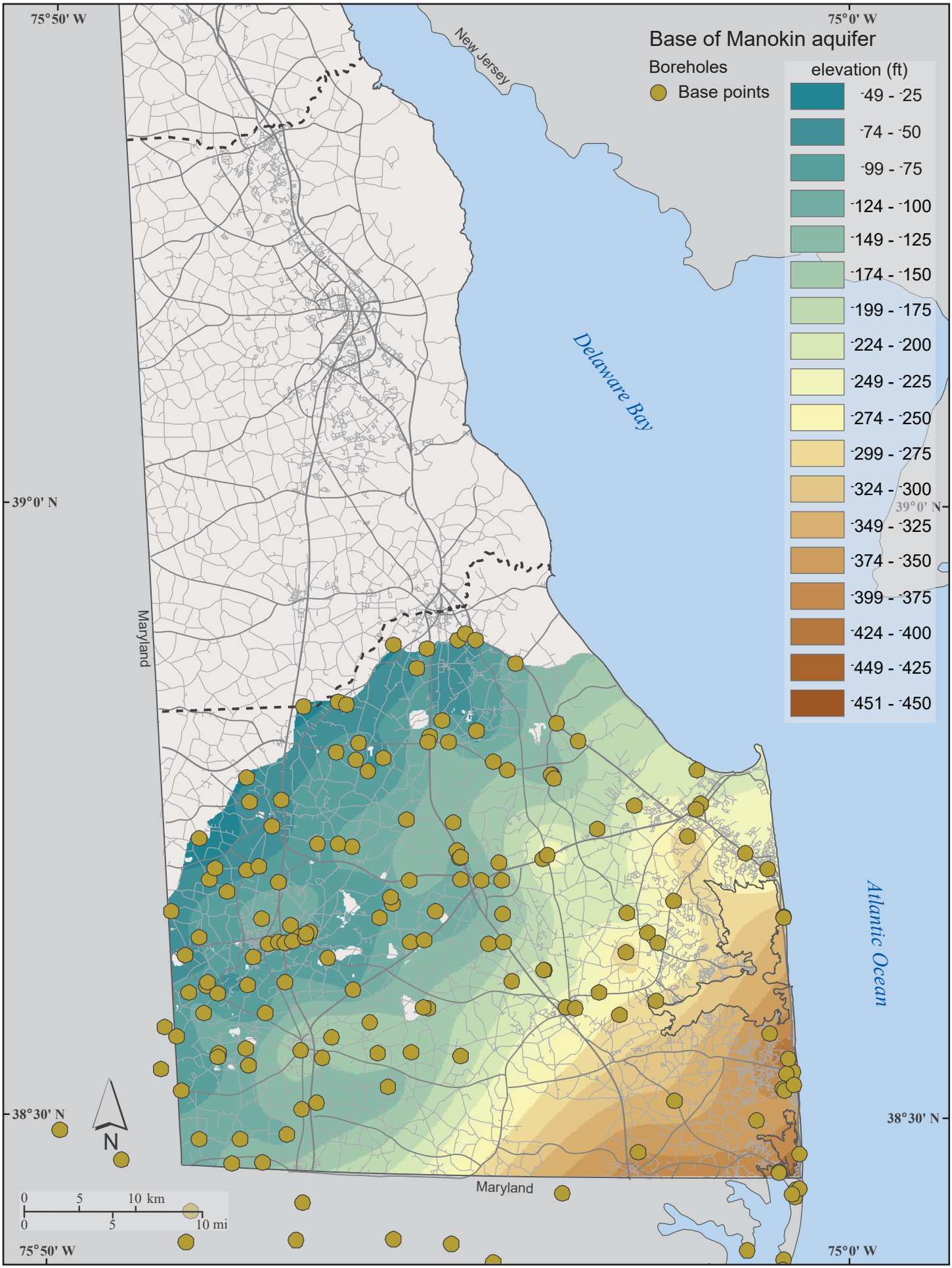

Base of Manokin aquifer
Boreholes
Base points
elevation (ft)
-49 - -25
-74 - -50
-99 - -75
-124 - -100
-149 - -125
-174 - -150
-199 - -175
-224 - -200
-249 - -225
-274 - -250
-299 - -275
-324 - -300
-349 - -325
-374 - -350
-399 - -375
-424 - -400
-449 - -425
-451 - -450
New Jersey
Delaware Bay
Atlantic Ocean
Maryland
Maryland
75°50' W
75°0' W
39°0' N
38°30' N
N
0 5 10 km
0 5 10 mi

Figure B14 (Text-figure 42).
Manokin aquifer: Map of thickness of aquifer.

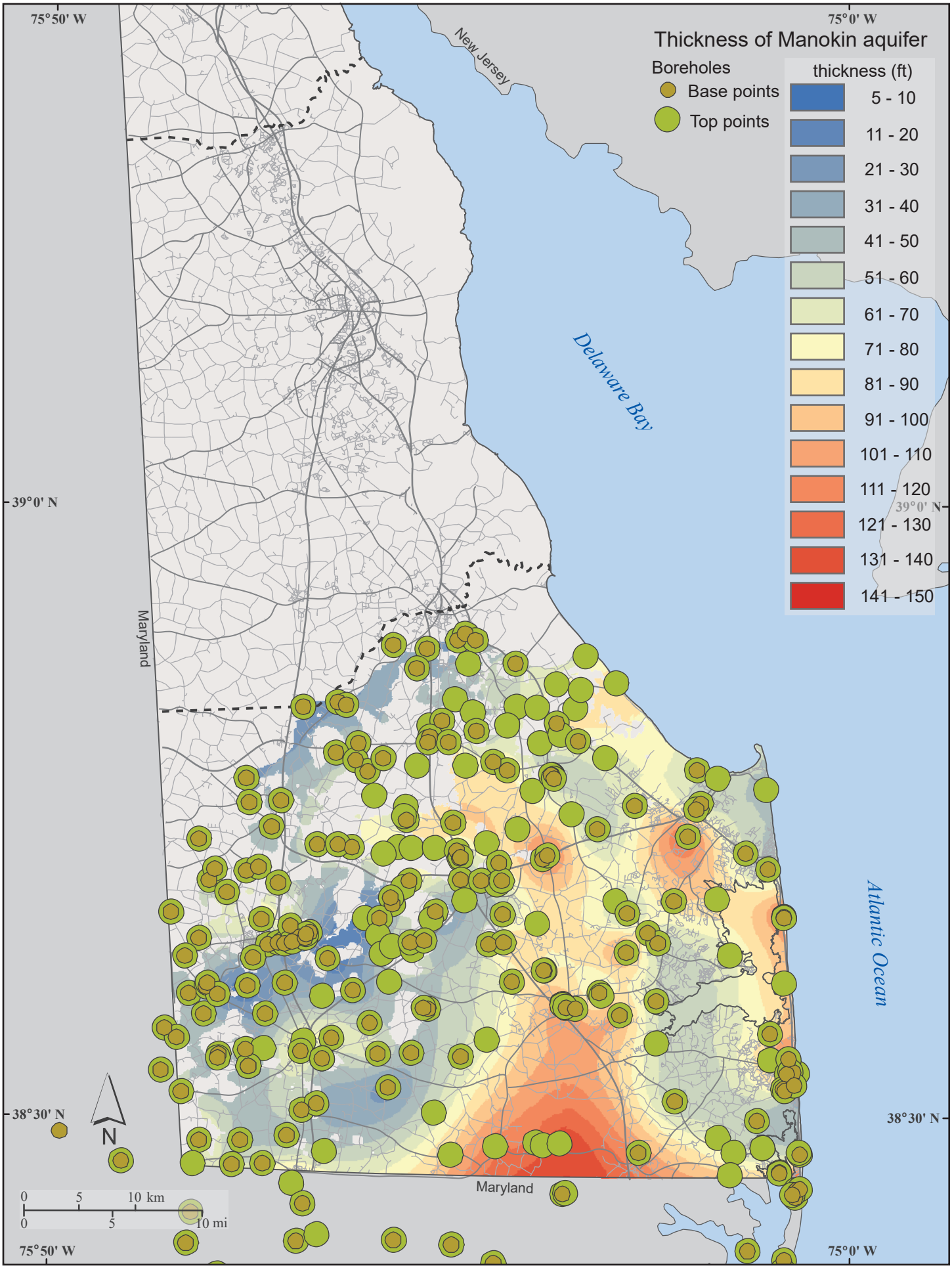

Thickness of Manokin aquifer
Boreholes
Base points
Top points
thickness (ft)
5 - 10
11 - 20
21 - 30
31 - 40
41 - 50
51 - 60
61 - 70
71 - 80
81 - 90
91 - 100
101 - 110
111 - 120
121 - 130
131 - 140
141 - 150
New Jersey
Delaware Bay
Atlantic Ocean
Maryland
Maryland
75°50' W
75°0' W
39°0' N
38°30' N
N
0 5 10 km
0 5 10 mi

Figure B15 (Text-figure 40).
Manokin aquifer: Map of elevation of top of aquifer.

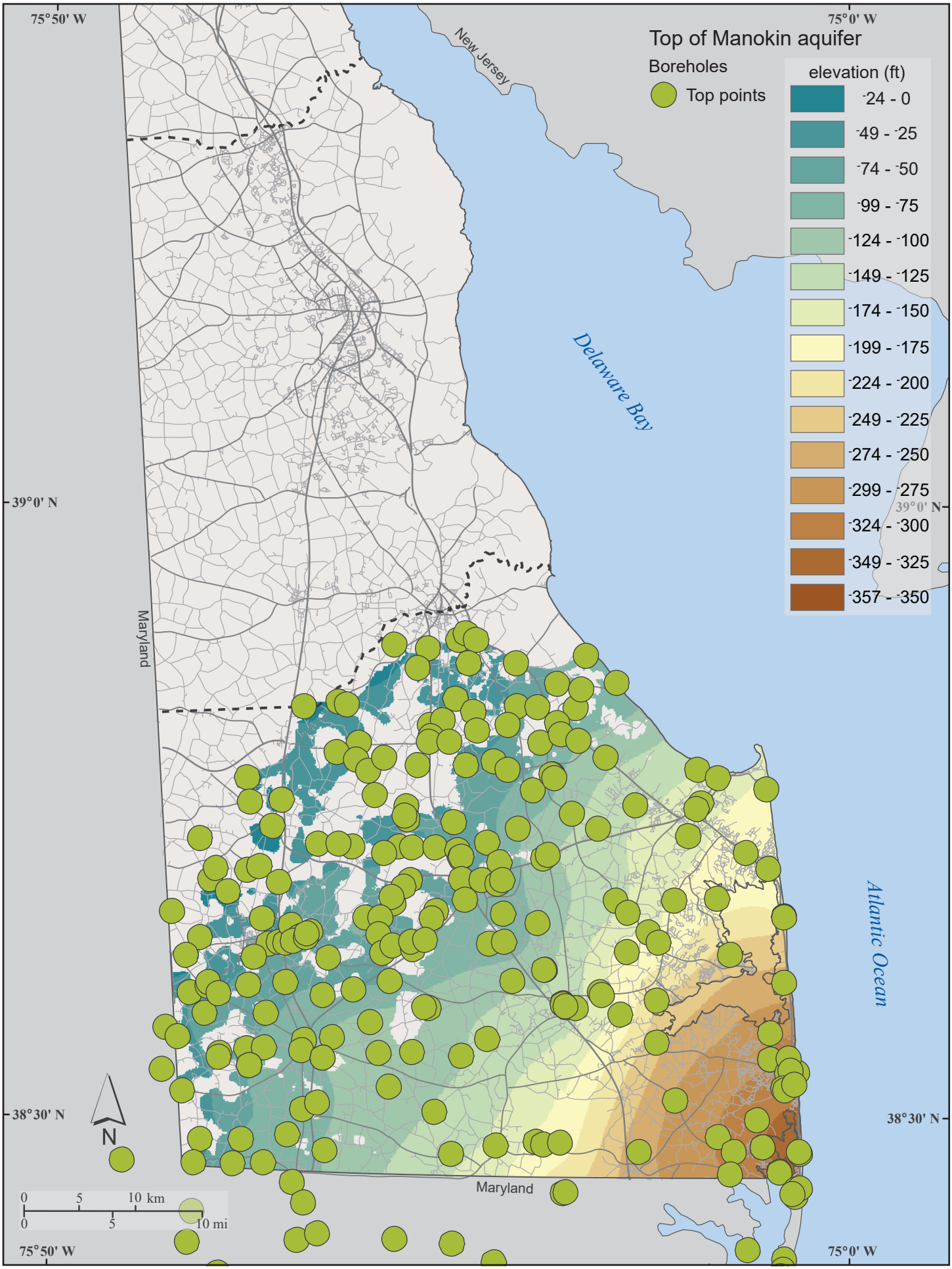

Top of Manokin aquifer
Boreholes
Top points
elevation (ft)
-24 - 0
-49 - -25
-74 - -50
-99 - -75
-124 - -100
-149 - -125
-174 - -150
-199 - -175
-224 - -200
-249 - -225
-274 - -250
-299 - -275
-324 - -300
-349 - -325
-357 - -350
75°50' W
75°0' W
39°0' N
38°30' N
New Jersey
Delaware Bay
Atlantic Ocean
Maryland
Maryland
N
0 5 10 km
0 5 10 mi

Figure B16 (Text-figure 43).
Manokin aquifer: Map of recharge windows into aquifer.

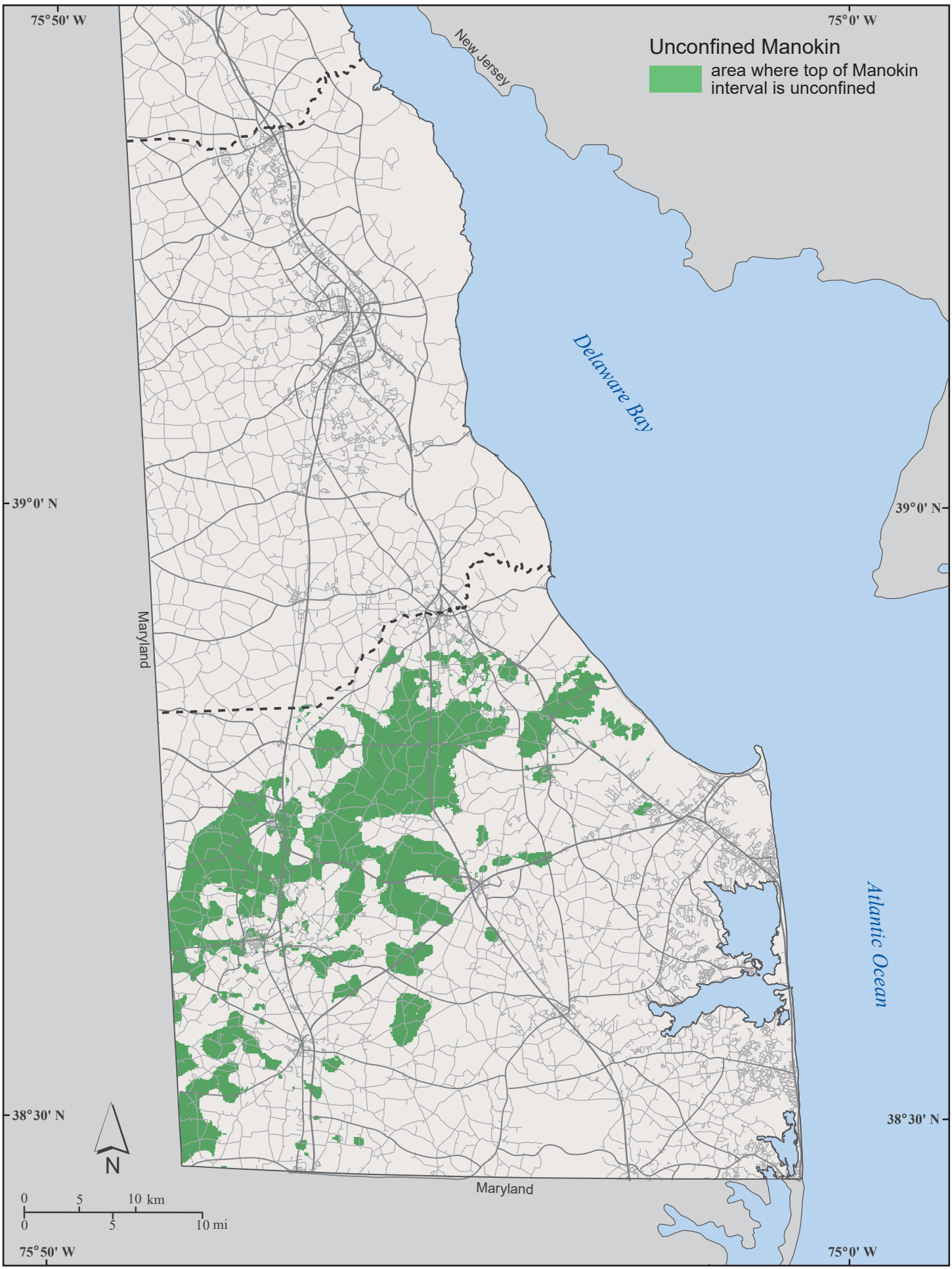

Unconfined Manokin
area where top of Manokin interval is unconfined
75°50' W
75°0' W
39°0' N
38°30' N
New Jersey
Delaware Bay
Atlantic Ocean
Maryland
Maryland
N
0 5 10 km
0 5 10 mi

Figure B17 (Text-figure 35).
Middle Choptank aquifer: Map of elevation of base of aquifer and stratigraphic equivalents.

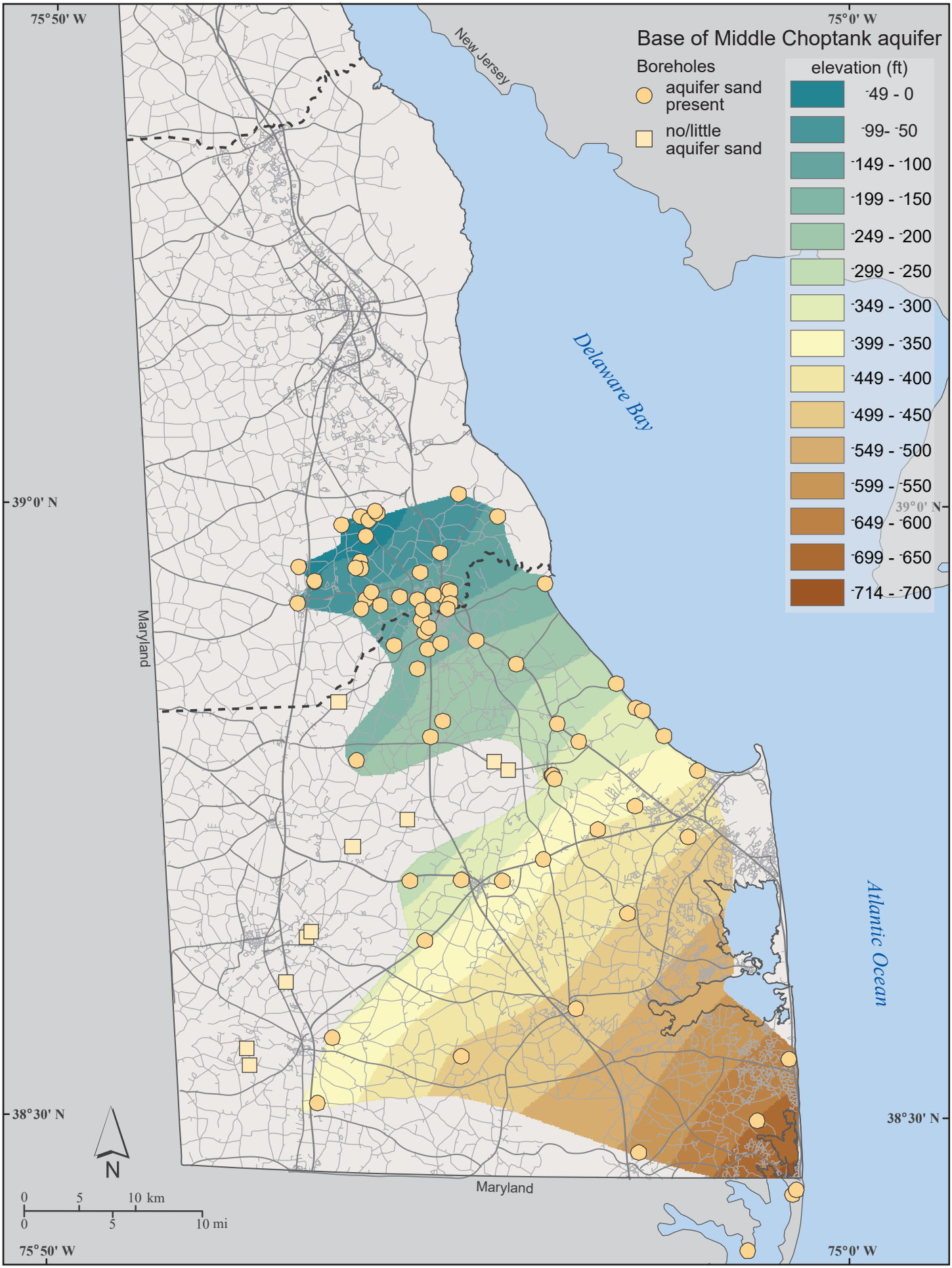

Base of Middle Choptank aquifer
Boreholes
aquifer sand present
no/little aquifer sand
elevation (ft)
-49 - 0
-99- -50
-149 - -100
-199 - -150
-249 - -200
-299 - -250
-349 - -300
-399 - -350
-449 - -400
-499 - -450
-549 - -500
-599 - -550
-649 - -600
-699 - -650
-714 - -700
New Jersey
Delaware Bay
Atlantic Ocean
Maryland
Maryland
75°50' W
75°0' W
39°0' N
38°30' N
N
0 5 10 km
0 5 10 mi

Figure B18 (Text-figure 36).
Middle Choptank aquifer: Map of thickness of aquifer and stratigraphic equivalents.

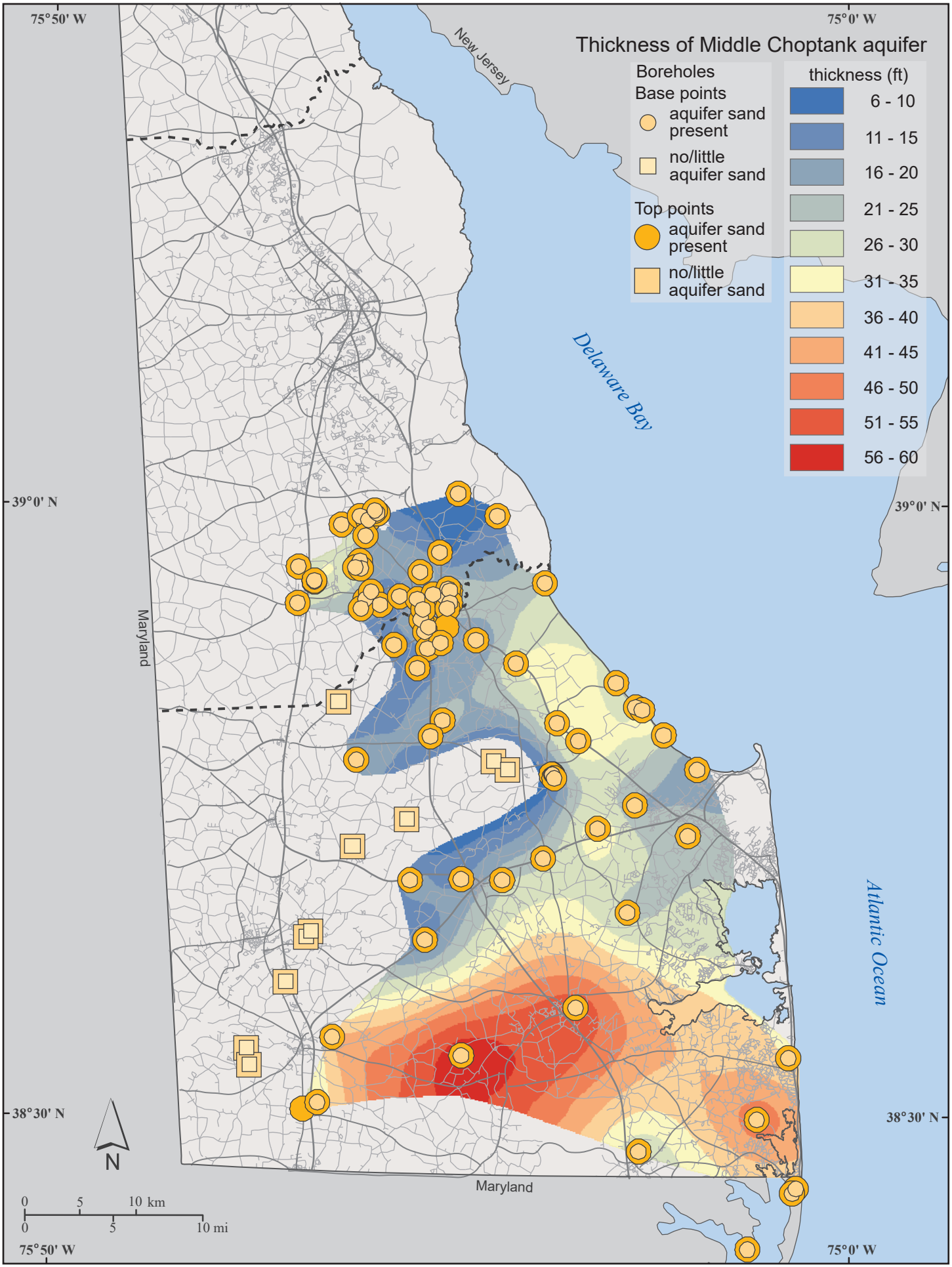

Thickness of Middle Choptank aquifer
Boreholes
Base points
aquifer sand present
no/little aquifer sand
Top points
aquifer sand present
no/little aquifer sand
thickness (ft)
6 - 10
11 - 15
16 - 20
21 - 25
26 - 30
31 - 35
36 - 40
41 - 45
46 - 50
51 - 55
56 - 60
75°50' W
75°0' W
39°0' N
38°30' N
New Jersey
Delaware Bay
Atlantic Ocean
Maryland
Maryland
N
0 5 10 km
0 5 10 mi

Figure B19 (Text-figure 34).
Middle Choptank aquifer: Map of elevation of top of aquifer and stratigraphic equivalents.

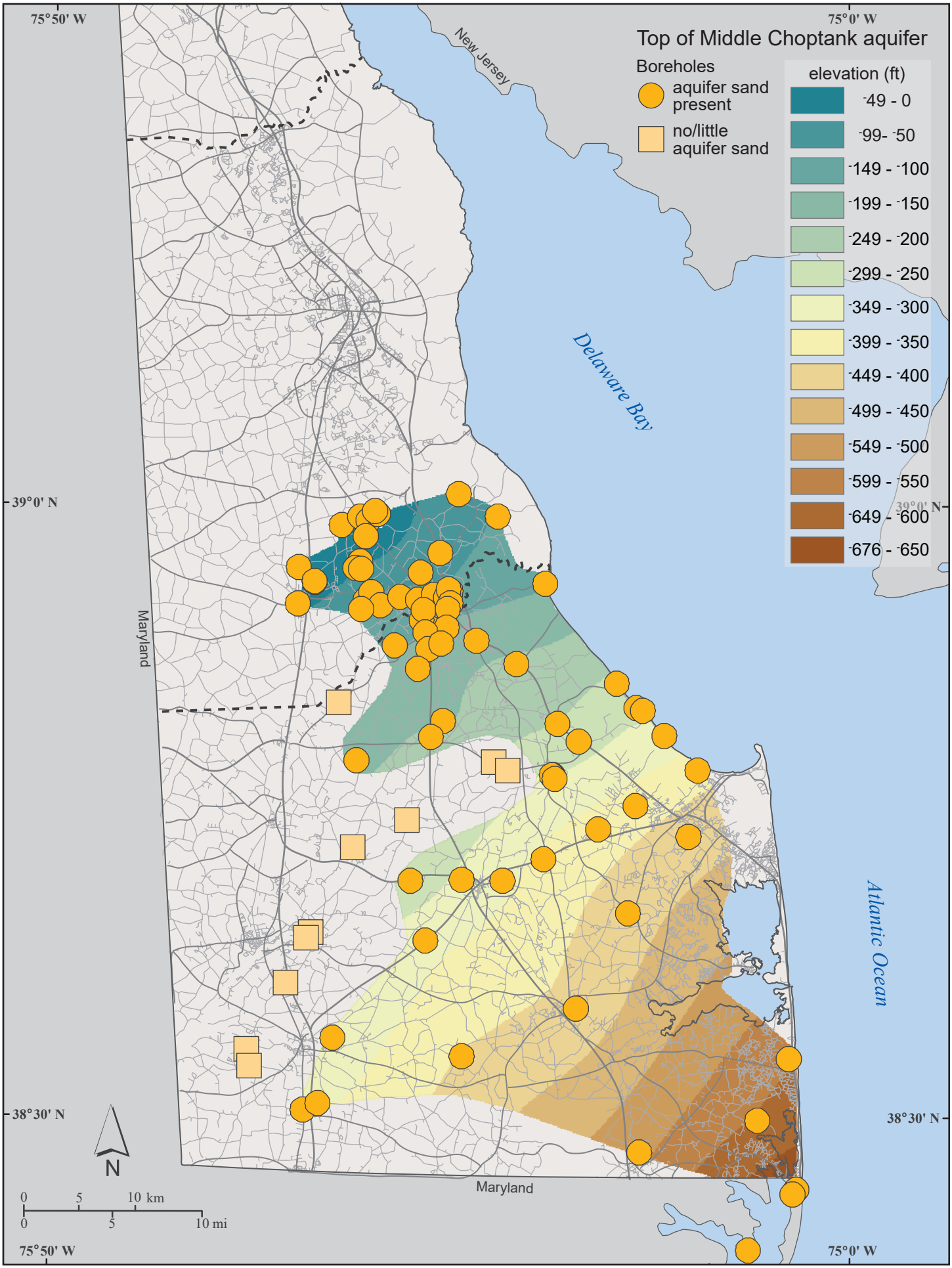

Top of Middle Choptank aquifer
Boreholes
aquifer sand present
no/little aquifer sand
elevation (ft)
-49 - 0
-99 - -50
-149 - -100
-199 - -150
-249 - -200
-299 - -250
-349 - -300
-399 - -350
-449 - -400
-499 - -450
-549 - -500
-599 - -550
-649 - -600
-676 - -650
New Jersey
Delaware Bay
Atlantic Ocean
Maryland
Maryland
75°50' W
75°0' W
39°0' N
38°30' N
N
0 5 10 km
0 5 10 mi

Figure B20 (Text-figure 32).
Milford aquifer: Map of elevation of base of aquifer and stratigraphic equivalents.

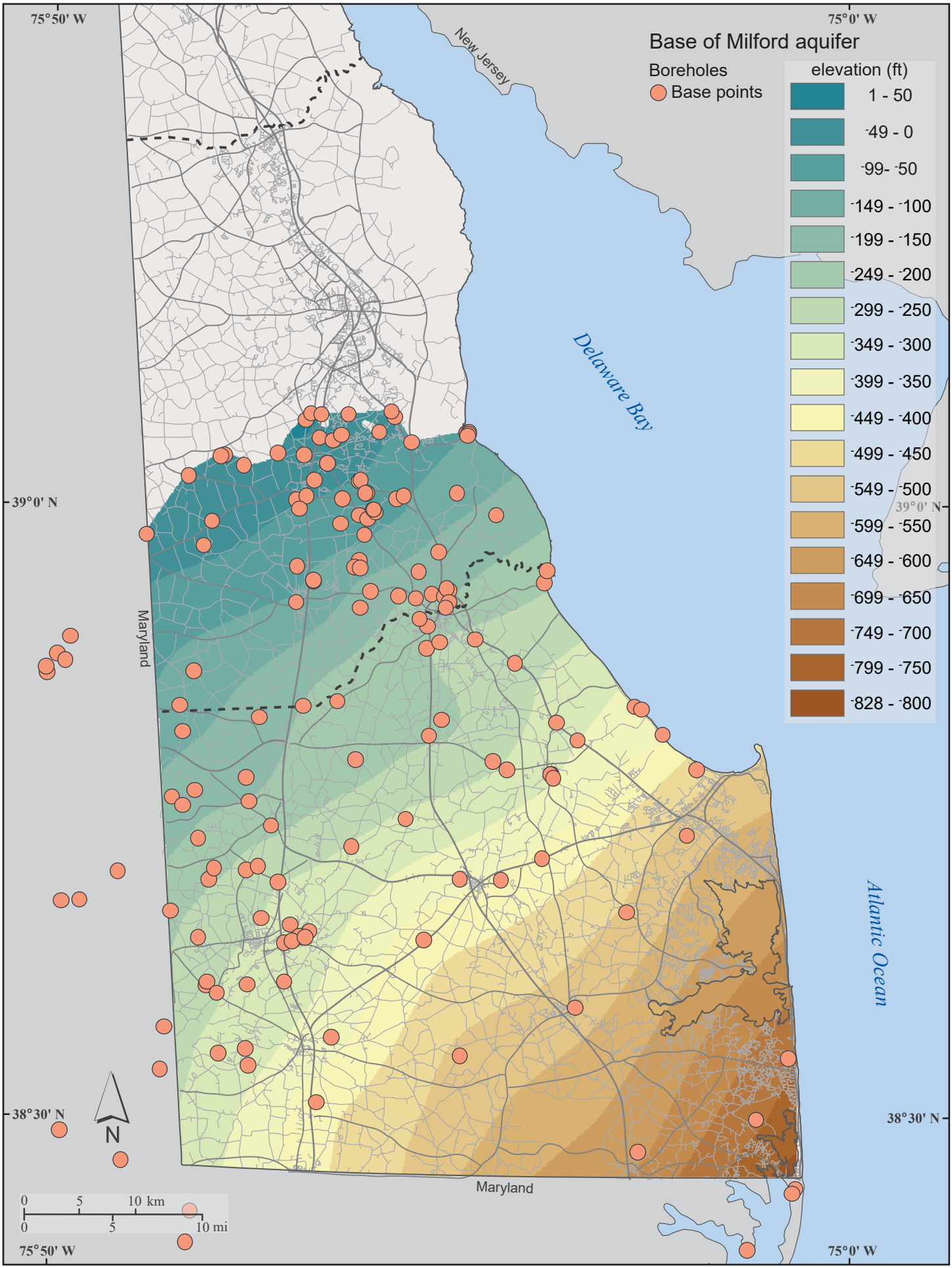

Base of Milford aquifer
Boreholes
Base points
elevation (ft)
1 - 50
-49 - 0
-99- -50
-149 - -100
-199 - -150
-249 - -200
-299 - -250
-349 - -300
-399 - -350
-449 - -400
-499 - -450
-549 - -500
-599 - -550
-649 - -600
-699 - -650
-749 - -700
-799 - -750
-828 - -800
New Jersey
Delaware Bay
Atlantic Ocean
Maryland
Maryland
75°50' W
75°0' W
39°0' N
38°30' N
N
0 5 10 km
0 5 10 mi

Figure B21 (Text-figure 33).
Milford aquifer: Map of thickness of aquifer and stratigraphic equivalents.

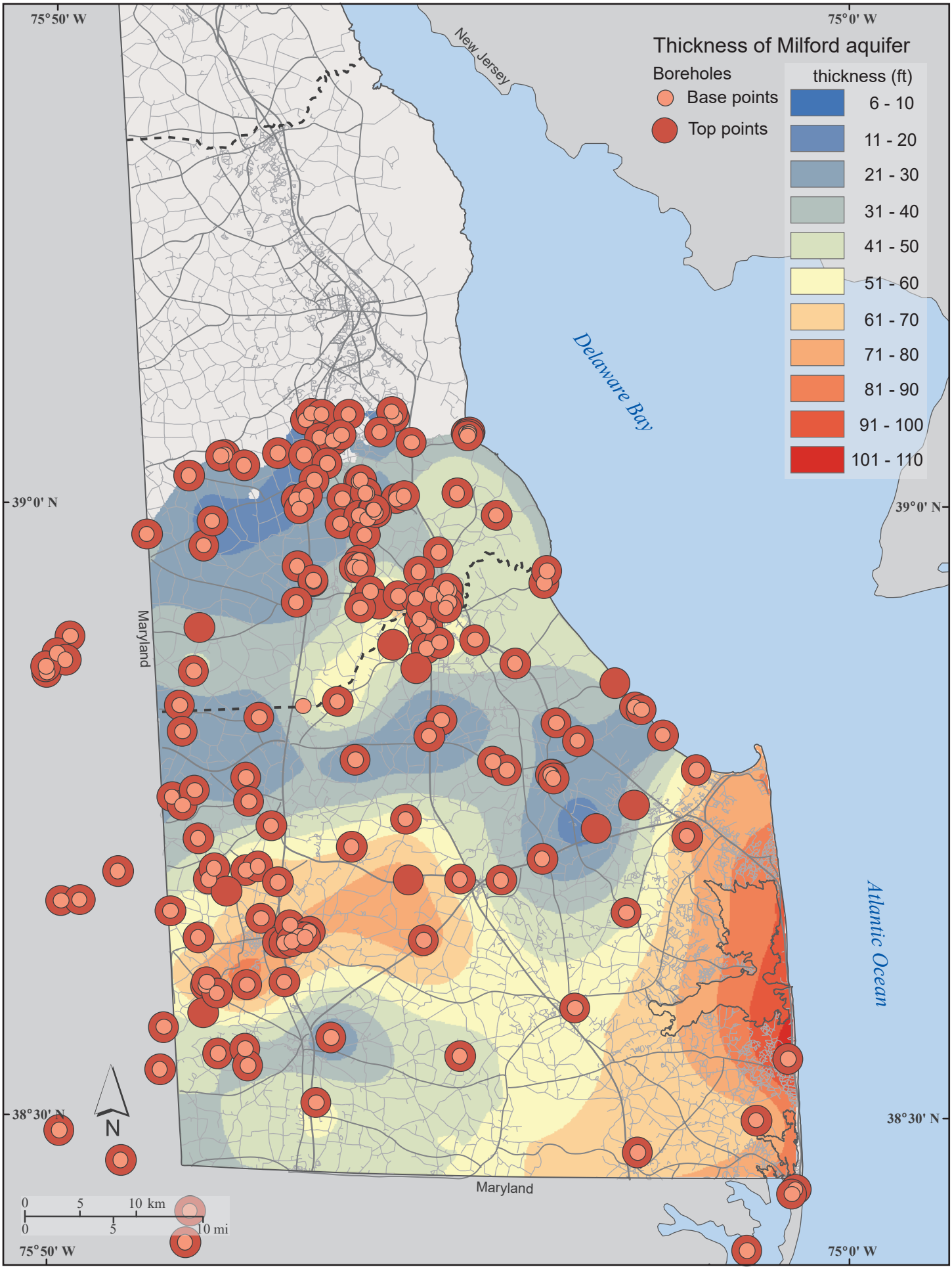

Thickness of Milford aquifer
Boreholes
Base points
Top points
thickness (ft)
6 - 10
11 - 20
21 - 30
31 - 40
41 - 50
51 - 60
61 - 70
71 - 80
81 - 90
91 - 100
101 - 110
75°50' W
75°0' W
39°0' N
38°30' N
New Jersey
Delaware Bay
Atlantic Ocean
Maryland
Maryland
N
0 5 10 km
0 5 10 mi

Figure B22 (Text-figure 31).
Milford aquifer: Map of elevation of top of aquifer and stratigraphic equivalents.

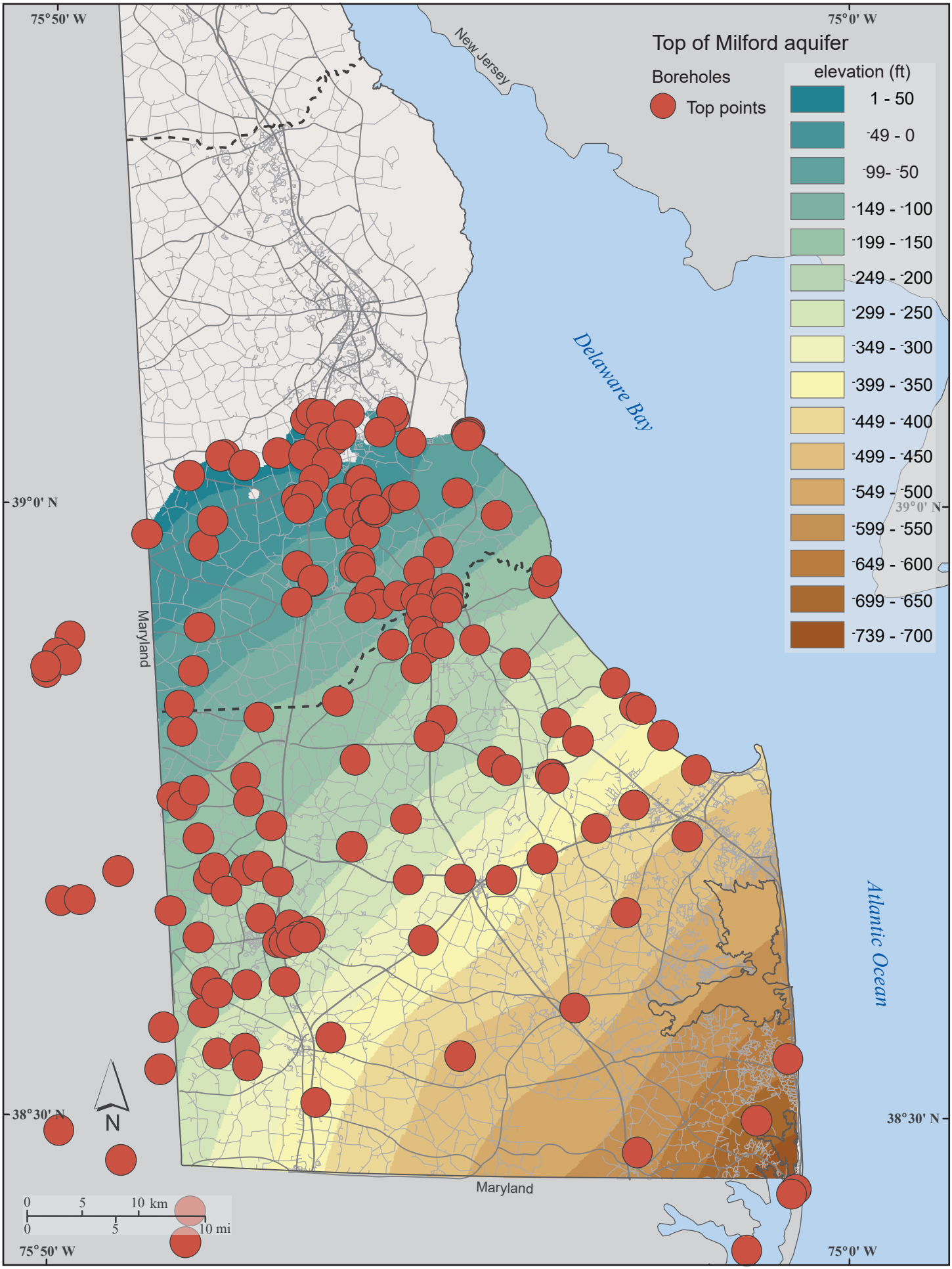

Top of Milford aquifer
Boreholes
Top points
elevation (ft)
1 - 50
-49 - 0
-99- -50
-149 - -100
-199 - -150
-249 - -200
-299 - -250
-349 - -300
-399 - -350
-449 - -400
-499 - -450
-549 - -500
-599 - -550
-649 - -600
-699 - -650
-739 - -700
New Jersey
Delaware Bay
Atlantic Ocean
Maryland
Maryland
75°50' W
75°0' W
39°0' N
38°30' N
N
0 5 10 km
0 5 10 mi

Figure B23 (Text-figure 10).
Mount Laurel aquifer: Map of elevation of base of aquifer and stratigraphic equivalents.

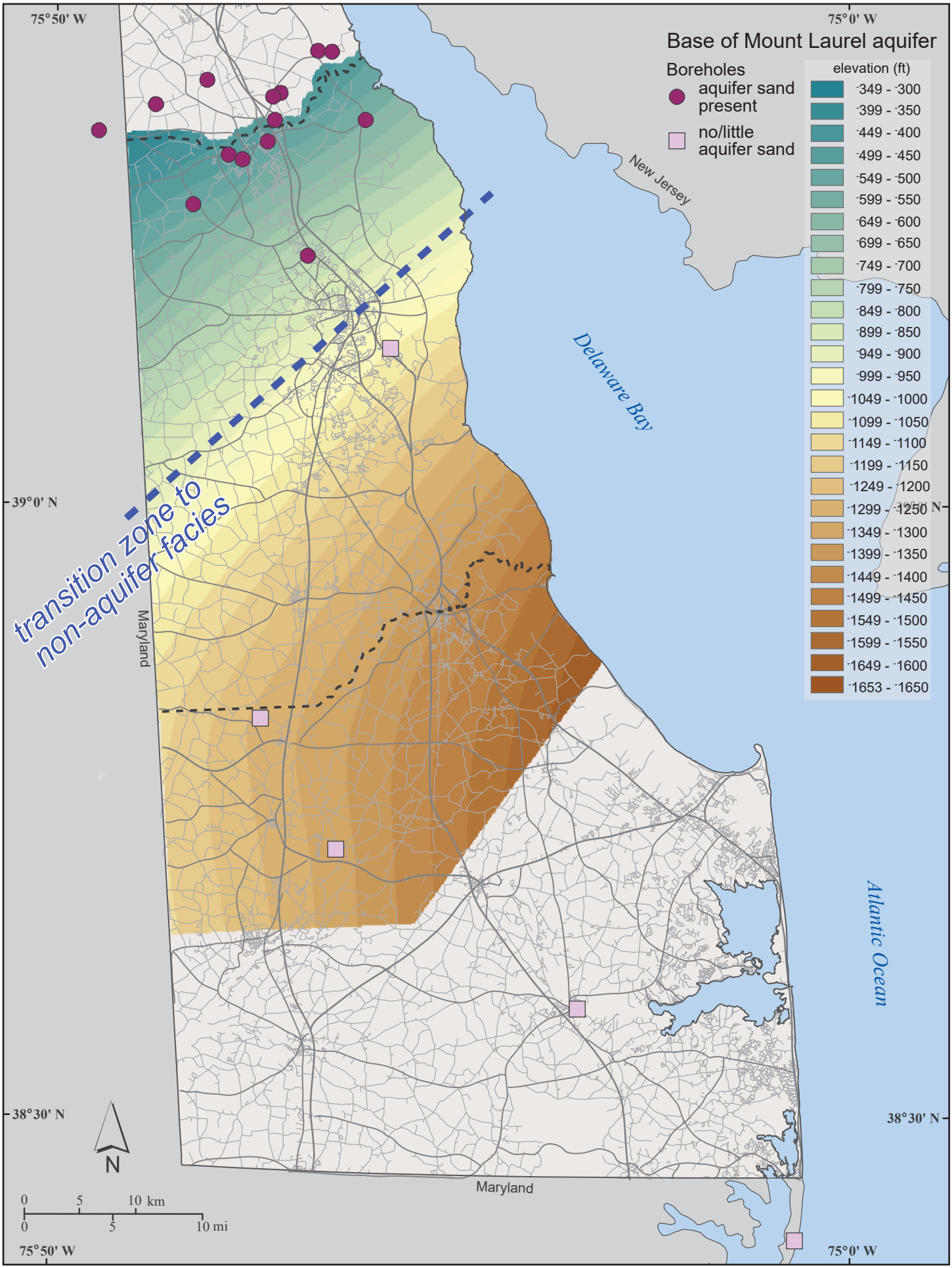

Base of Mount Laurel aquifer
Boreholes
aquifer sand present
no/little aquifer sand
elevation (ft)
-349 - -300
-399 - -350
-449 - -400
-499 - -450
-549 - -500
-599 - -550
-649 - -600
-699 - -650
-749 - -700
-799 - -750
-849 - -800
-899 - -850
-949 - -900
-999 - -950
-1049 - -1000
-1099 - -1050
-1149 - -1100
-1199 - -1150
-1249 - -1200
-1299 - -1250
-1349 - -1300
-1399 - -1350
-1449 - -1400
-1499 - -1450
-1549 - -1500
-1599 - -1550
-1649 - -1600
-1653 - -1650
transition zone to non-aquifer facies
New Jersey
Delaware Bay
Atlantic Ocean
Maryland
Maryland
75°50' W
75°0' W
39°0' N
38°30' N
N
0 5 10 km
0 5 10 mi

Figure B24 (Text-figure 11).
Mount Laurel aquifer: Map of thickness of aquifer and stratigraphic equivalents.

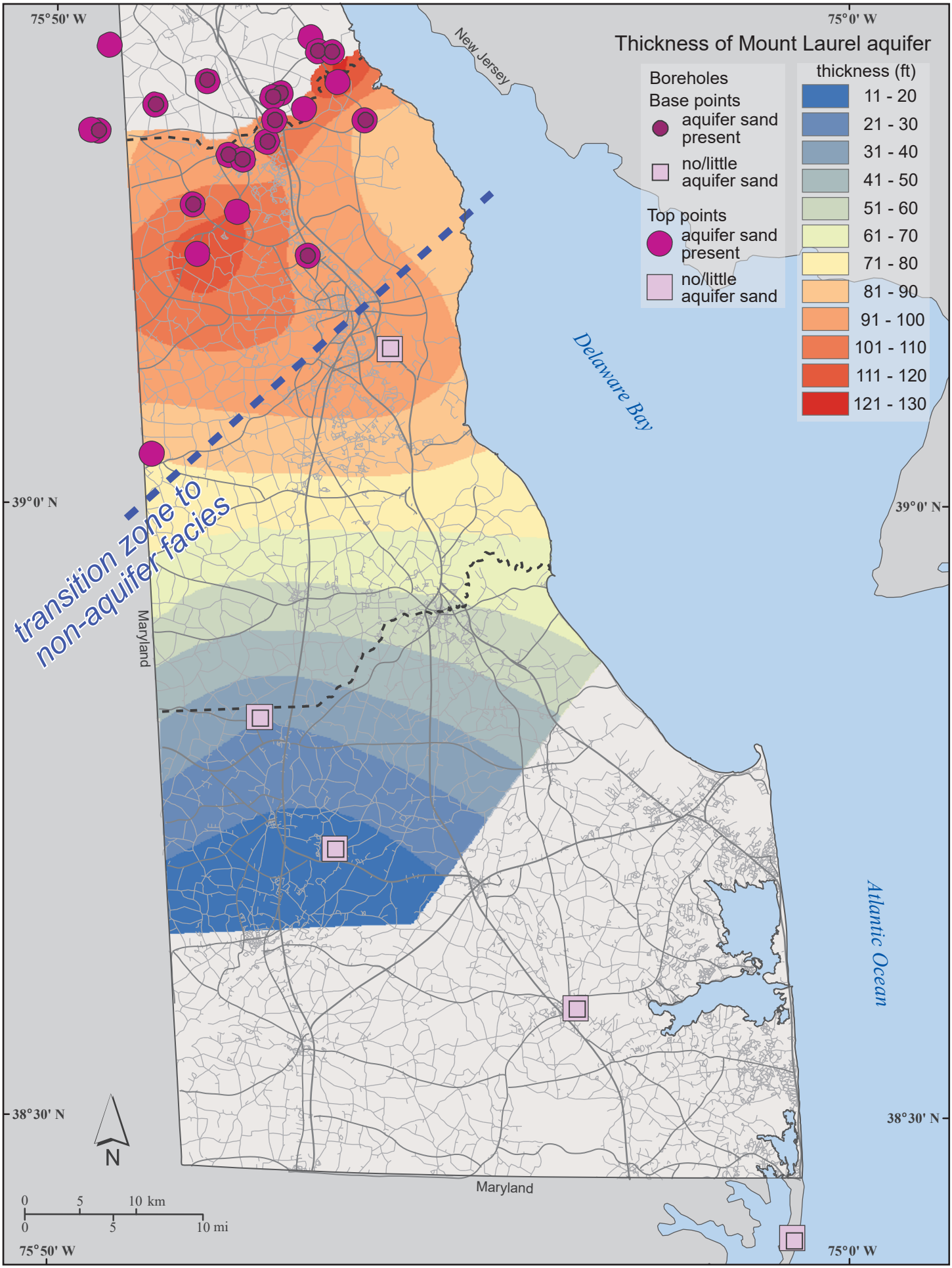

Thickness of Mount Laurel aquifer
Boreholes
Base points
aquifer sand present
no/little aquifer sand
Top points
aquifer sand present
no/little aquifer sand
thickness (ft)
11 - 20
21 - 30
31 - 40
41 - 50
51 - 60
61 - 70
71 - 80
81 - 90
91 - 100
101 - 110
111 - 120
121 - 130
transition zone to non-aquifer facies
New Jersey
Delaware Bay
Atlantic Ocean
Maryland
Maryland
75°50' W
75°0' W
39°0' N
38°30' N
N
0 5 10 km
0 5 10 mi

Figure B25 (Text-figure 9).
Mount Laurel aquifer: Map of elevation of top of aquifer and stratigraphic equivalents.

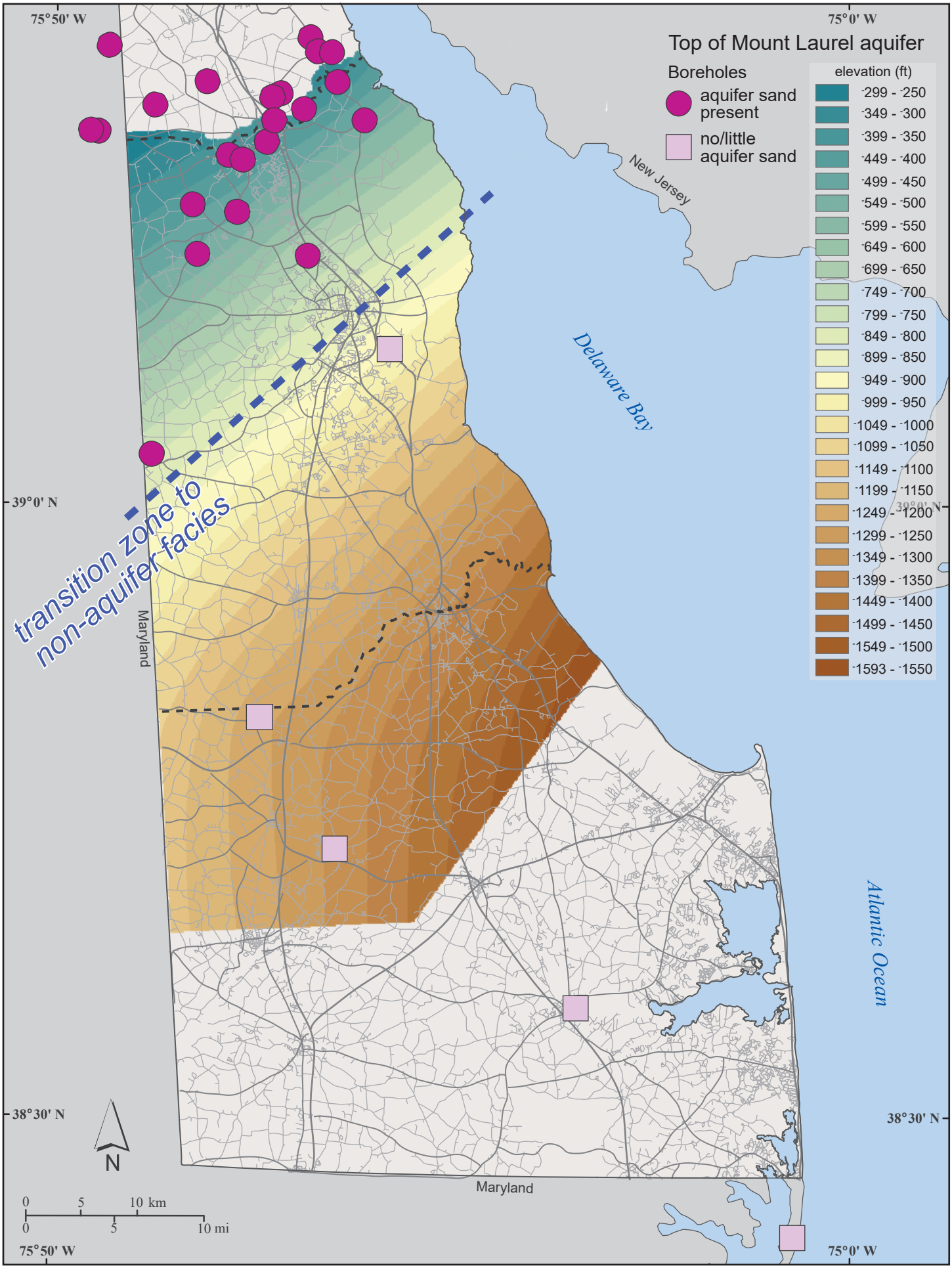

Top of Mount Laurel aquifer
Boreholes
aquifer sand present
no/little aquifer sand
elevation (ft)
-299 - -250
-349 - -300
-399 - -350
-449 - -400
-499 - -450
-549 - -500
-599 - -550
-649 - -600
-699 - -650
-749 - -700
-799 - -750
-849 - -800
-899 - -850
-949 - -900
-999 - -950
-1049 - -1000
-1099 - -1050
-1149 - -1100
-1199 - -1150
-1249 - -1200
-1299 - -1250
-1349 - -1300
-1399 - -1350
-1449 - -1400
-1499 - -1450
-1549 - -1500
-1593 - -1550
transition zone to non-aquifer facies
New Jersey
Delaware Bay
Atlantic Ocean
Maryland
Maryland
75°50' W
75°0' W
39°0' N
38°30' N
N
0 5 10 km
0 5 10 mi

Figure B26 (Text-figure 16).
Piney Point aquifer: Map of elevation of base of aquifer and stratigraphic equivalents.

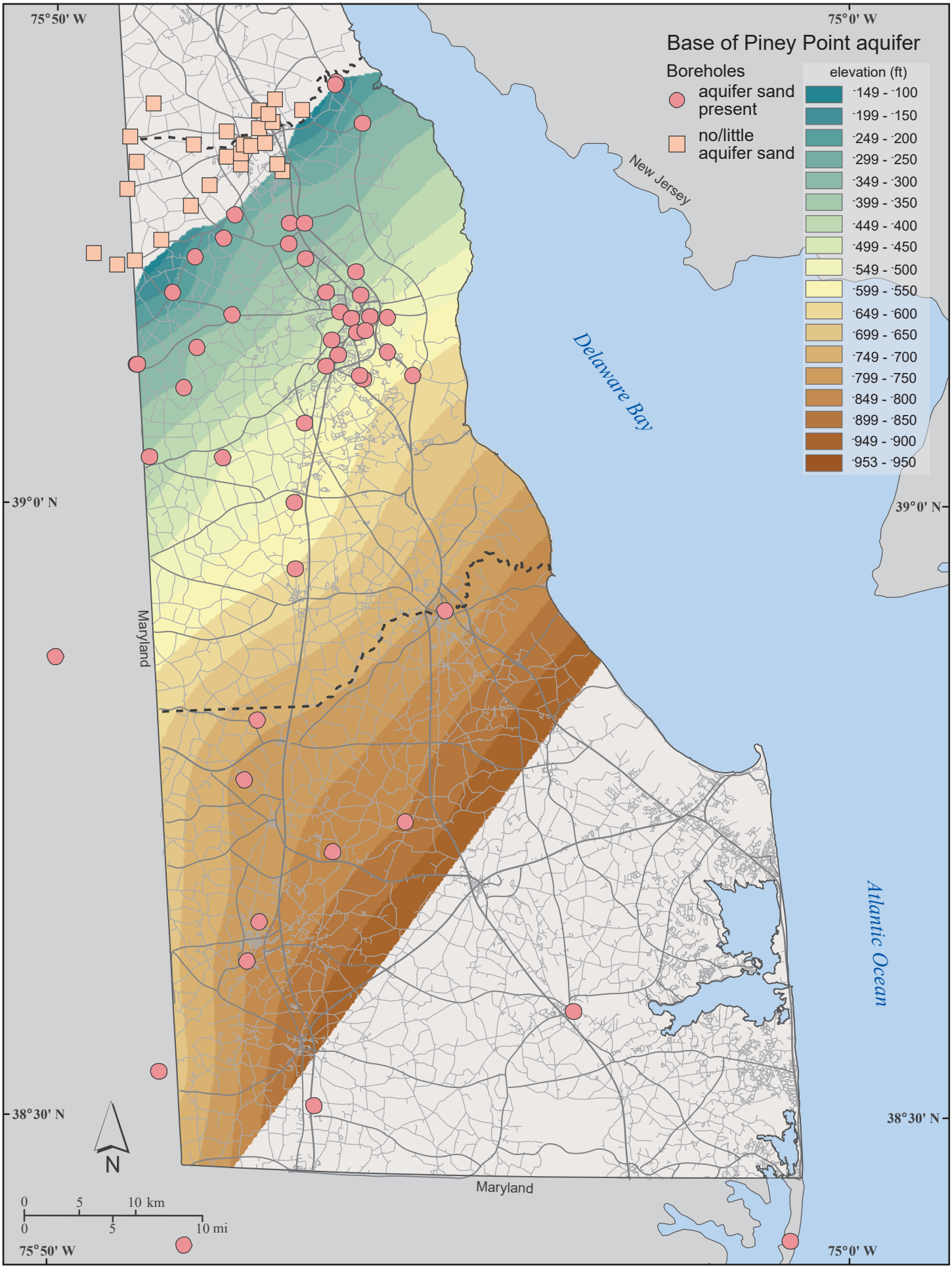

Base of Piney Point aquifer
Boreholes
aquifer sand present
no/little aquifer sand
elevation (ft)
-149 - -100
-199 - -150
-249 - -200
-299 - -250
-349 - -300
-399 - -350
-449 - -400
-499 - -450
-549 - -500
-599 - -550
-649 - -600
-699 - -650
-749 - -700
-799 - -750
-849 - -800
-899 - -850
-949 - -900
-953 - -950
75°50' W
75°0' W
39°0' N
38°30' N
New Jersey
Delaware Bay
Atlantic Ocean
Maryland
Maryland
N
0 5 10 km
0 5 10 mi

Figure B27 (Text-figure 17).
Piney Point aquifer: Map of thickness of aquifer and stratigraphic equivalents.

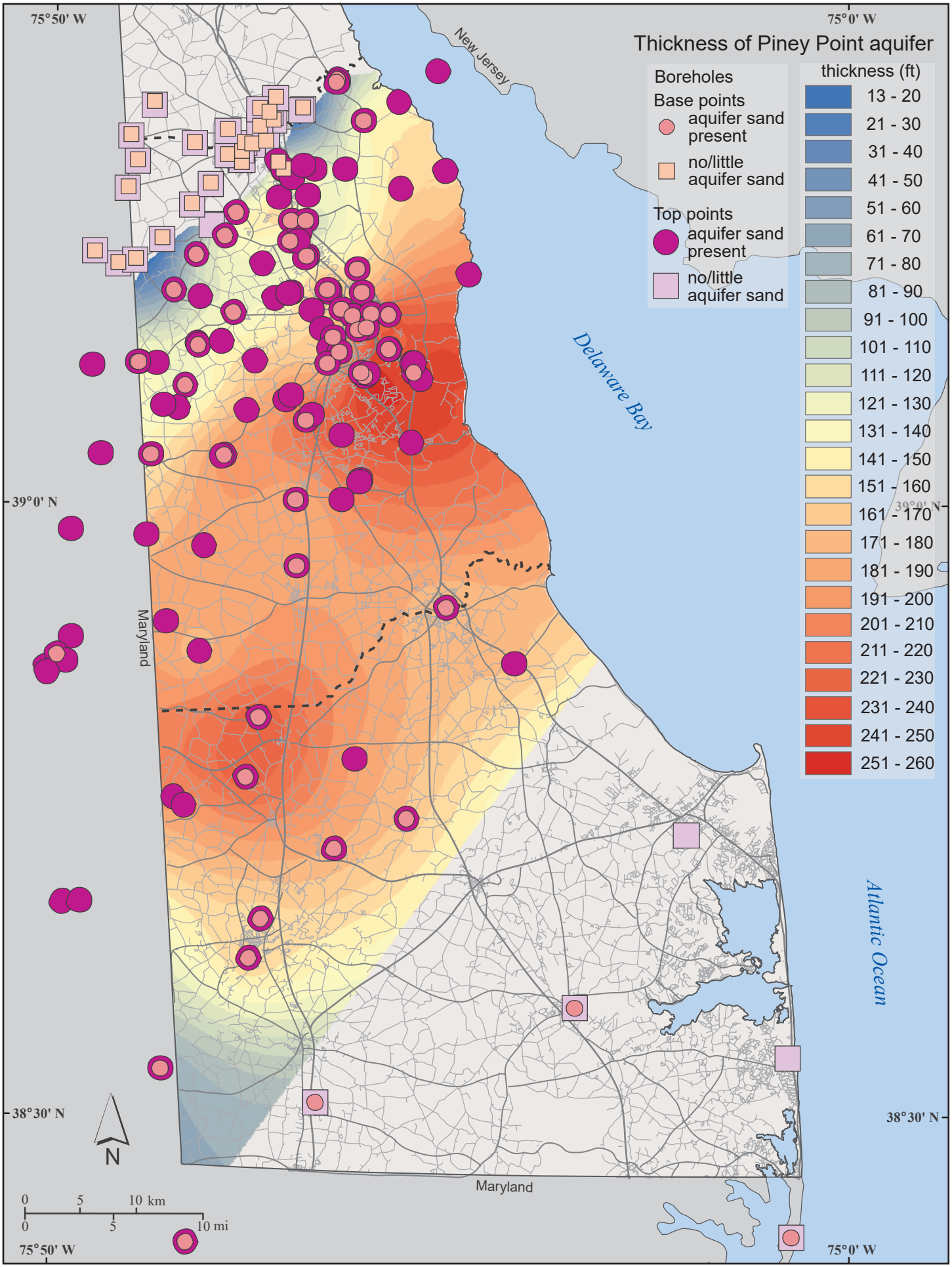

Thickness of Piney Point aquifer
Boreholes
Base points
aquifer sand present
no/little aquifer sand
Top points
aquifer sand present
no/little aquifer sand
thickness (ft)
13 - 20
21 - 30
31 - 40
41 - 50
51 - 60
61 - 70
71 - 80
81 - 90
91 - 100
101 - 110
111 - 120
121 - 130
131 - 140
141 - 150
151 - 160
161 - 170
171 - 180
181 - 190
191 - 200
201 - 210
211 - 220
221 - 230
231 - 240
241 - 250
251 - 260
75°50' W
75°0' W
39°0' N
38°30' N
New Jersey
Delaware Bay
Atlantic Ocean
Maryland
Maryland
N
0 5 10 km
0 5 10 mi

Figure B28 (Text-figure 15).
Piney Point aquifer: Map of elevation of top of aquifer and stratigraphic equivalents.

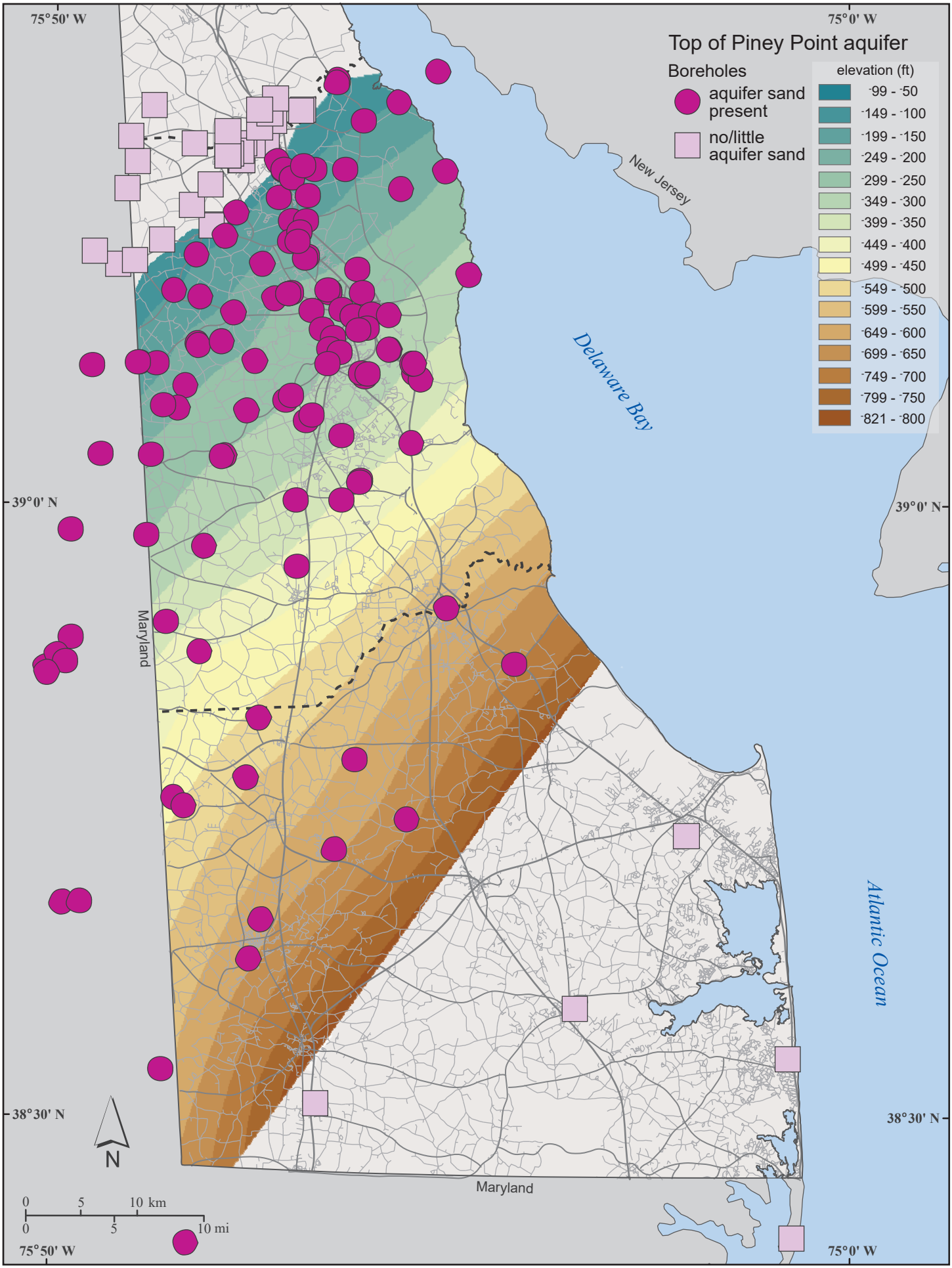

Top of Piney Point aquifer
Boreholes
aquifer sand present
no/little aquifer sand
elevation (ft)
-99 - -50
-149 - -100
-199 - -150
-249 - -200
-299 - -250
-349 - -300
-399 - -350
-449 - -400
-499 - -450
-549 - -500
-599 - -550
-649 - -600
-699 - -650
-749 - -700
-799 - -750
-821 - -800
75°50' W
75°0' W
39°0' N
38°30' N
New Jersey
Delaware Bay
Atlantic Ocean
Maryland
Maryland
N
0 5 10 km
0 5 10 mi

Figure B29 (Text-figure 45).
Pocomoke aquifer: Map of elevation of base of aquifer.

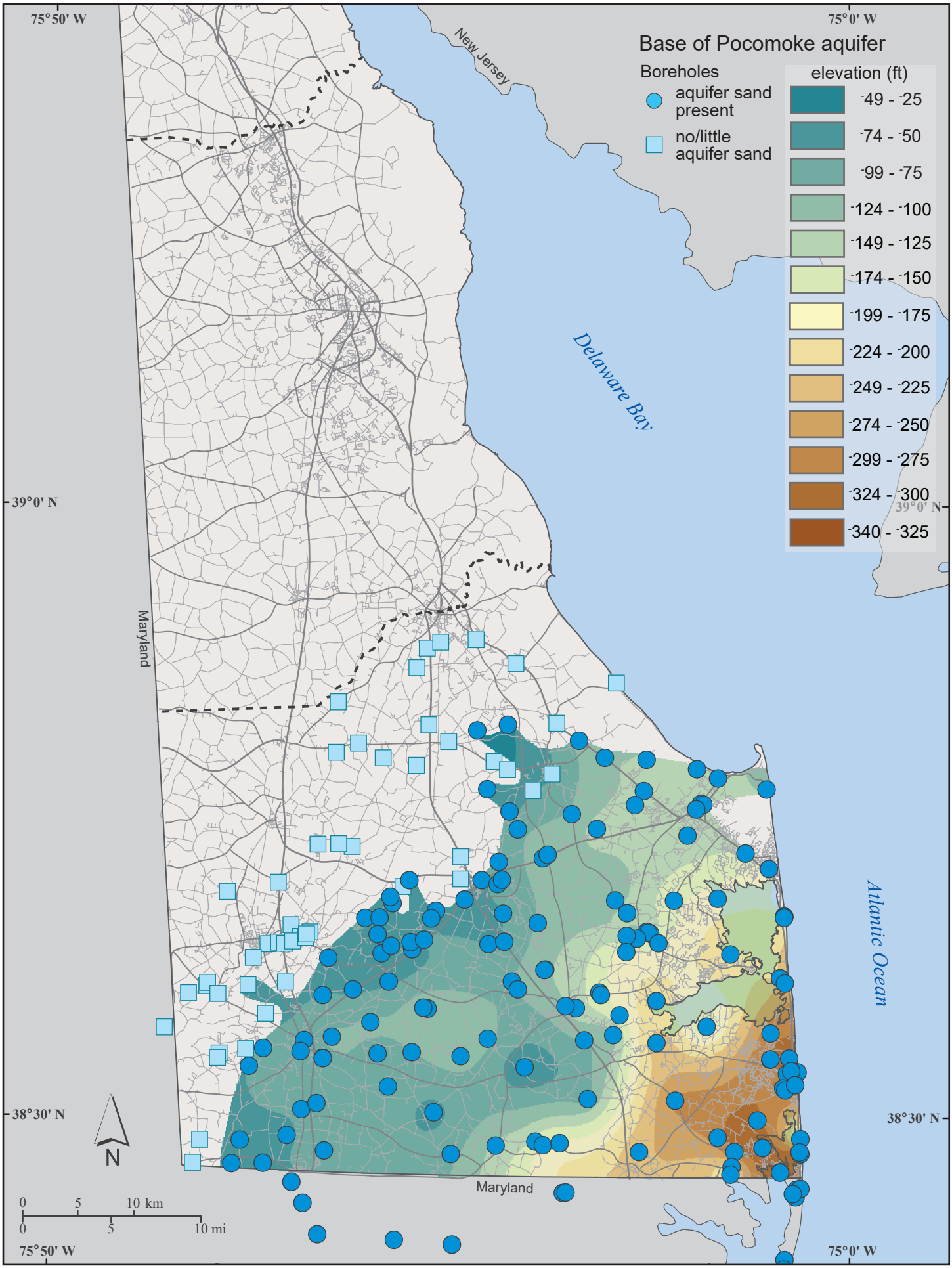

Base of Pocomoke aquifer
Boreholes
aquifer sand present
no/little aquifer sand
elevation (ft)
-49 - -25
-74 - -50
-99 - -75
-124 - -100
-149 - -125
-174 - -150
-199 - -175
-224 - -200
-249 - -225
-274 - -250
-299 - -275
-324 - -300
-340 - -325
75°50' W
75°0' W
39°0' N
38°30' N
New Jersey
Delaware Bay
Atlantic Ocean
Maryland
Maryland
N
0 5 10 km
0 5 10 mi

Figure B30 (Text-figure 46).
Pocomoke aquifer: Map of net sand thickness of aquifer.

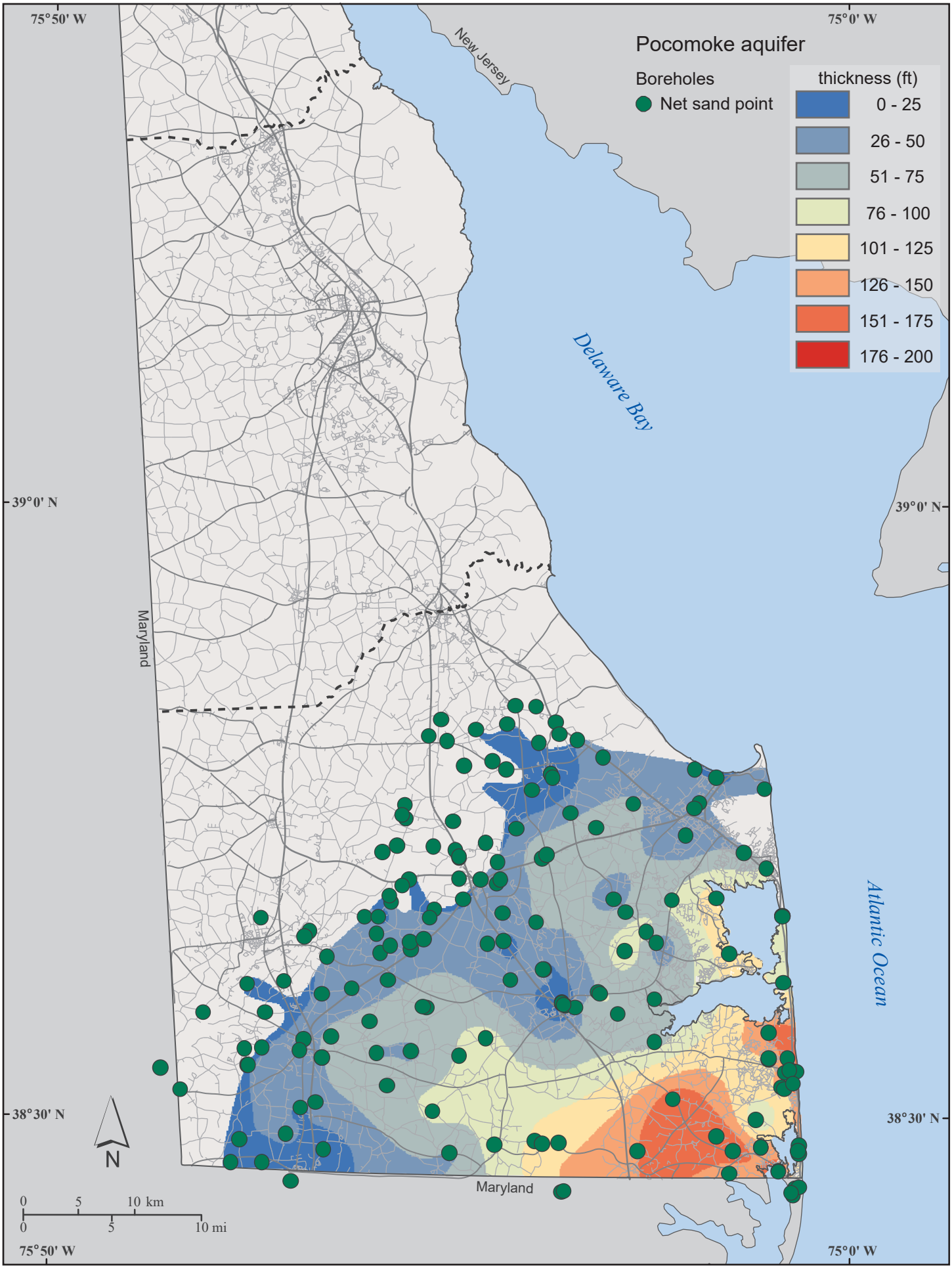

Pocomoke aquifer
Boreholes
Net sand point
thickness (ft)
0 - 25
26 - 50
51 - 75
76 - 100
101 - 125
126 - 150
151 - 175
176 - 200
New Jersey
Delaware Bay
Atlantic Ocean
Maryland
Maryland
75°50' W
75°0' W
39°0' N
38°30' N
N
0 5 10 km
0 5 10 mi

Figure B31 (Text-figure 44).
Pocomoke aquifer: Map of elevation of top of aquifer.

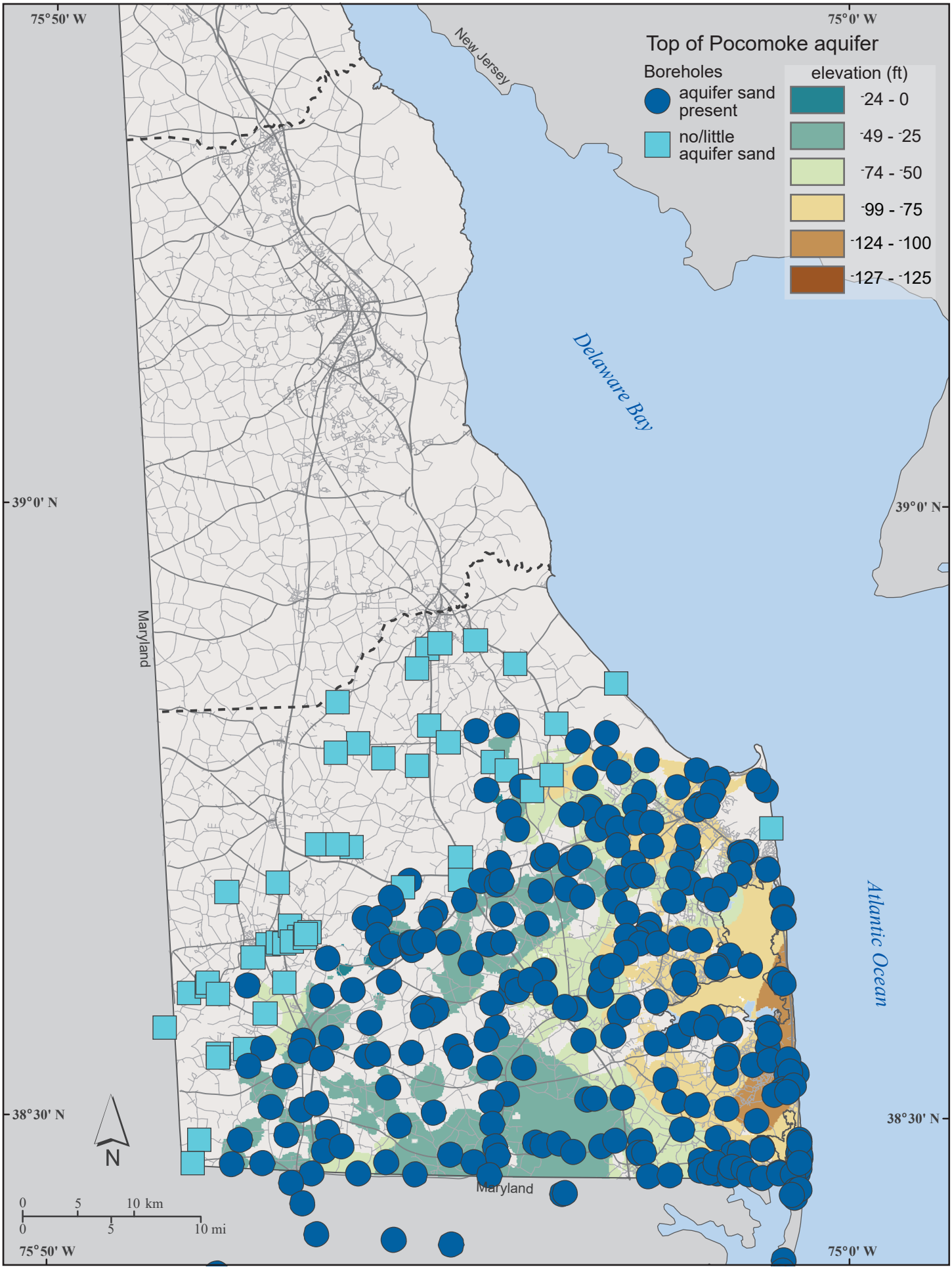

Top of Pocomoke aquifer
Boreholes
aquifer sand present
no/little aquifer sand
elevation (ft)
-24 - 0
-49 - -25
-74 - -50
-99 - -75
-124 - -100
-127 - -125
75°50' W
75°0' W
39°0' N
38°30' N
New Jersey
Delaware Bay
Atlantic Ocean
Maryland
Maryland
N
0 5 10 km
0 5 10 mi

Figure B32 (Text-figure 47).
Pocomoke aquifer: Map of recharge windows into aquifer.

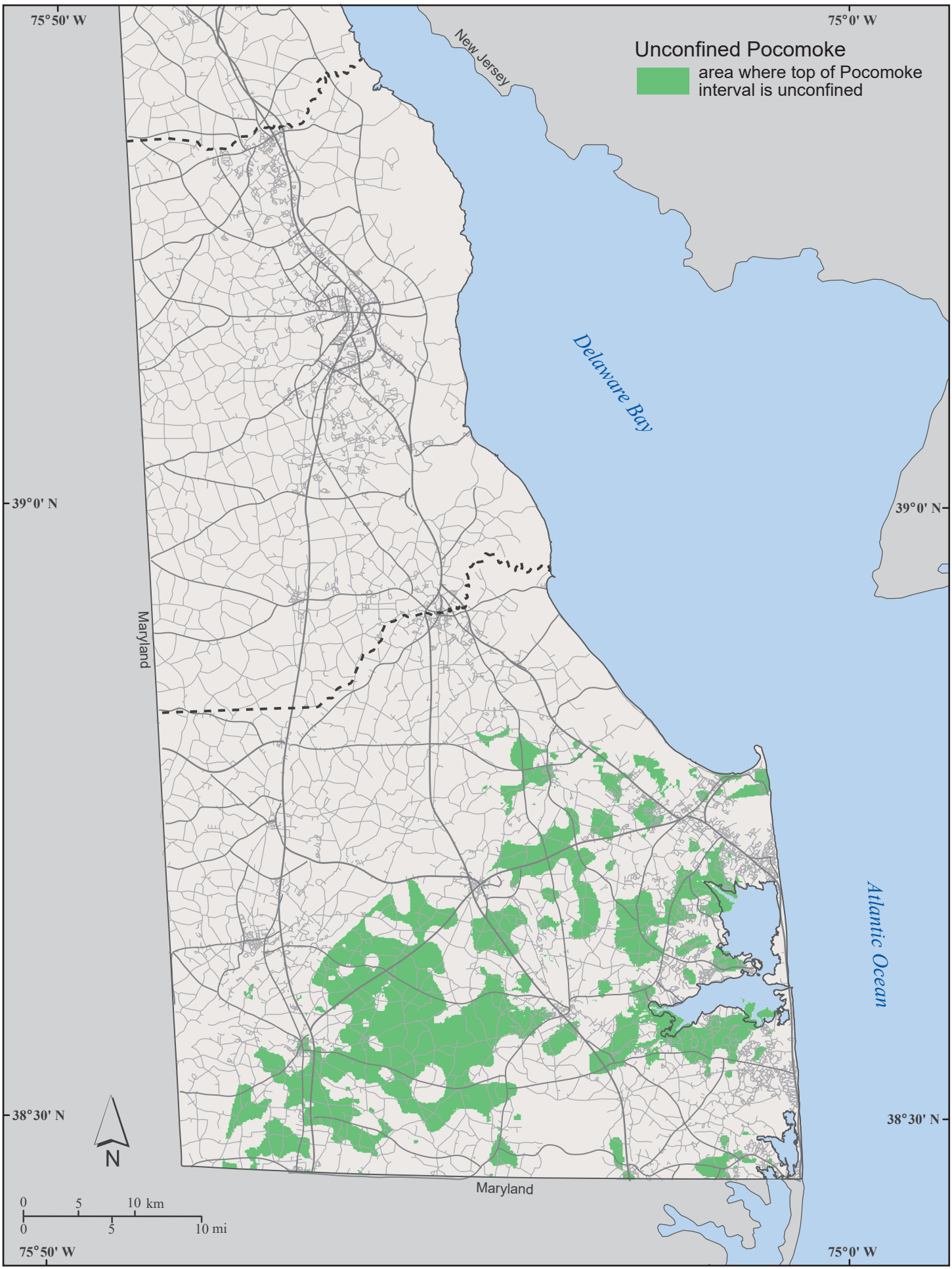

Unconfined Pocomoke
area where top of Pocomoke interval is unconfined
75°50' W
75°0' W
39°0' N
38°30' N
New Jersey
Delaware Bay
Atlantic Ocean
Maryland
Maryland
N
0 5 10 km
0 5 10 mi

Figure B33 (Text-figure 13).
Rancocas aquifer: Map of elevation of base of aquifer and stratigraphic equivalents.

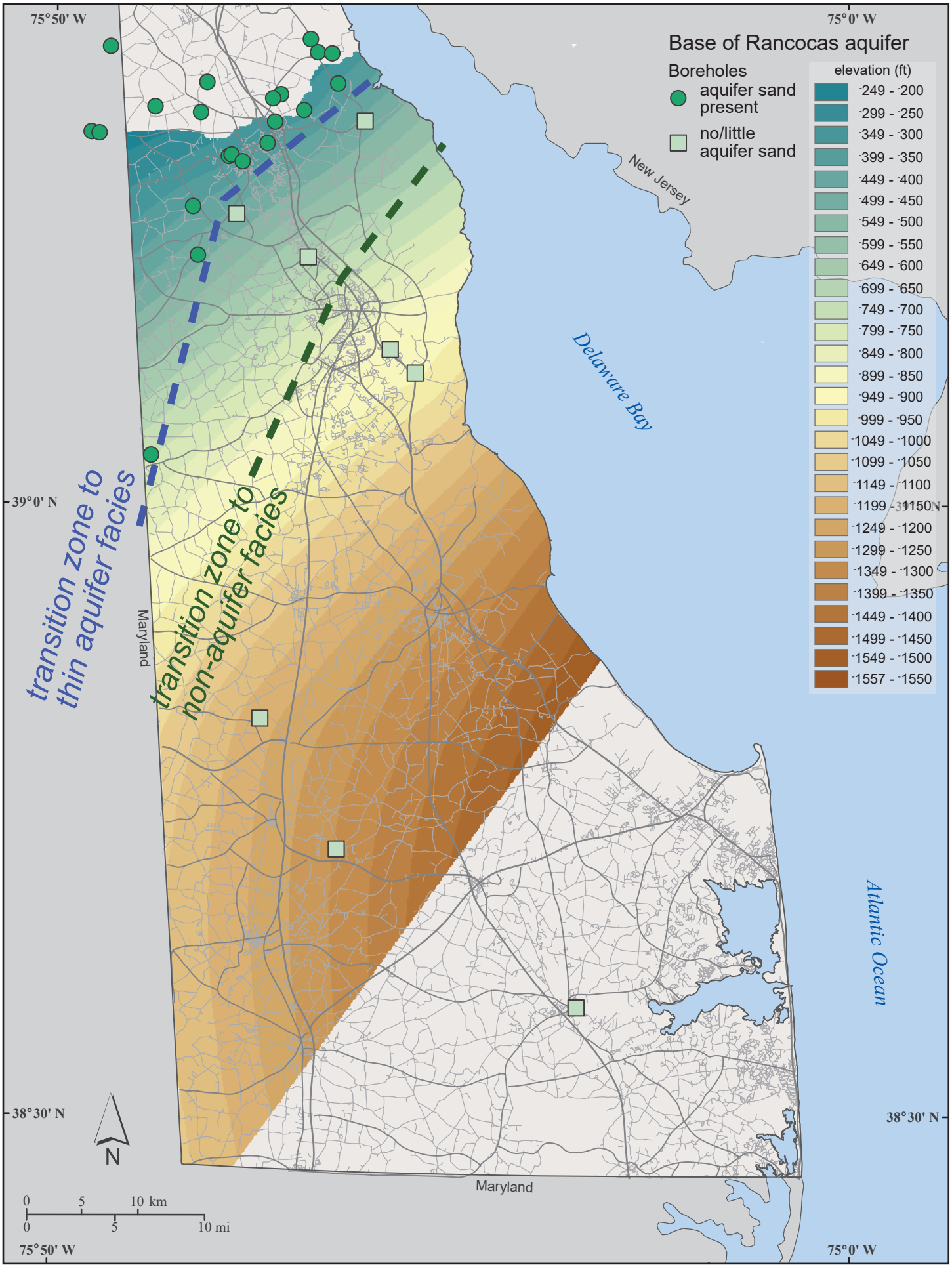

Base of Rancocas aquifer
Boreholes
aquifer sand present
no/little aquifer sand
elevation (ft)
249 - 200
299 - 250
349 - 300
399 - 350
449 - 400
499 - 450
549 - 500
599 - 550
649 - 600
699 - 650
749 - 700
799 - 750
849 - 800
899 - 850
949 - 900
999 - 950
1049 - 1000
1099 - 1050
1149 - 1100
1199 - 1150
1249 - 1200
1299 - 1250
1349 - 1300
1399 - 1350
1449 - 1400
1499 - 1450
1549 - 1500
1557 - 1550
75°50' W
75°0' W
39°0' N
38°30' N
New Jersey
Delaware Bay
Atlantic Ocean
Maryland
Maryland
transition zone to thin aquifer facies
transition zone to non-aquifer facies
N
0 5 10 km
0 5 10 mi

Figure B34 (Text-figure 14).
Rancocas aquifer: Map of thickness of aquifer and stratigraphic equivalents.

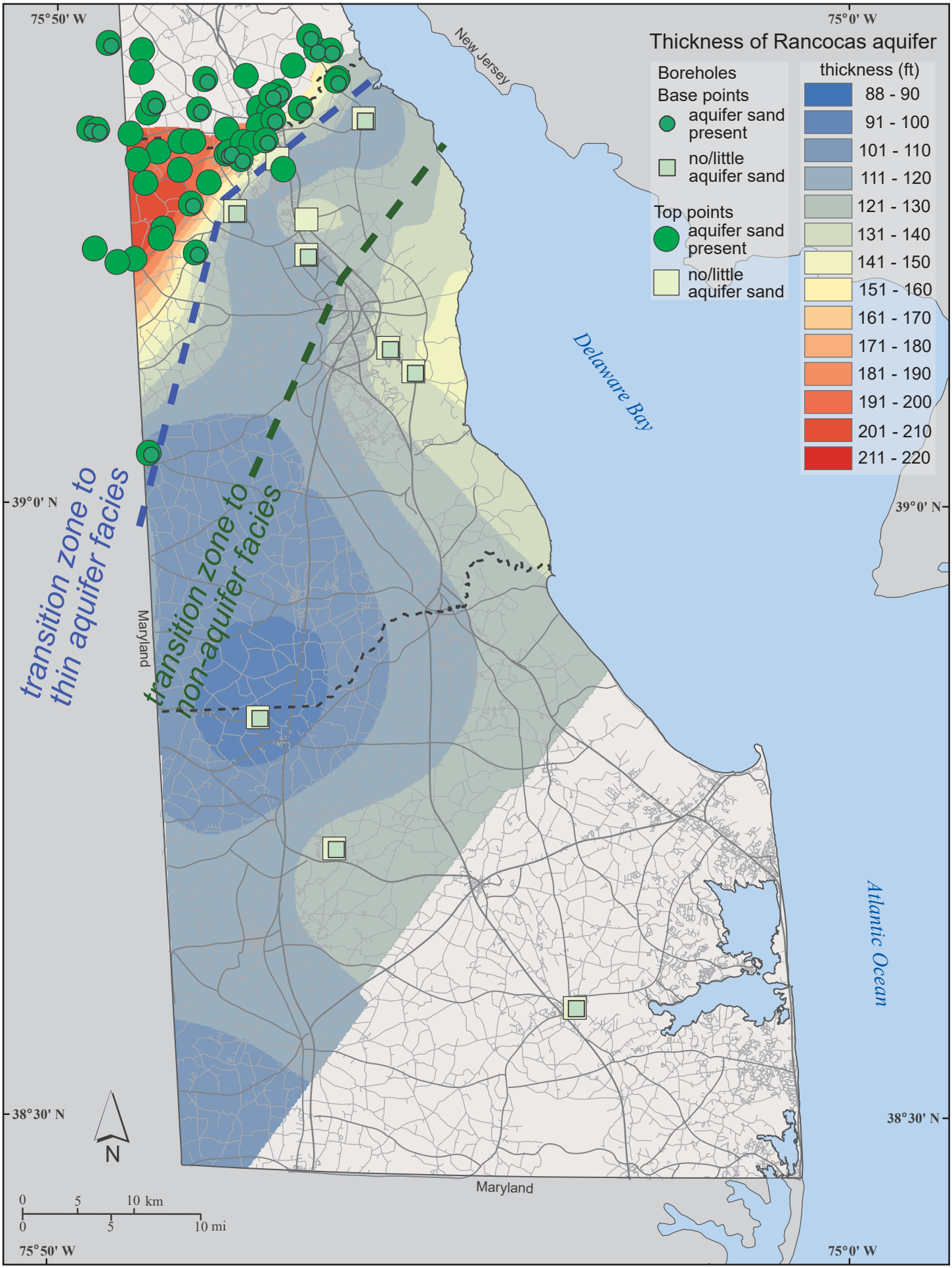

Thickness of Rancocas aquifer
Boreholes
Base points
aquifer sand present
no/little aquifer sand
Top points
aquifer sand present
no/little aquifer sand
thickness (ft)
88 - 90
91 - 100
101 - 110
111 - 120
121 - 130
131 - 140
141 - 150
151 - 160
161 - 170
171 - 180
181 - 190
191 - 200
201 - 210
211 - 220
transition zone to thin aquifer facies
transition zone to non-aquifer facies
New Jersey
Delaware Bay
Atlantic Ocean
Maryland
Maryland
75°50' W
75°0' W
39°0' N
38°30' N
N
0 5 10 km
0 5 10 mi

Figure B35 (Text-figure 12).
Rancocas aquifer: Map of elevation of top of aquifer and stratigraphic equivalents.

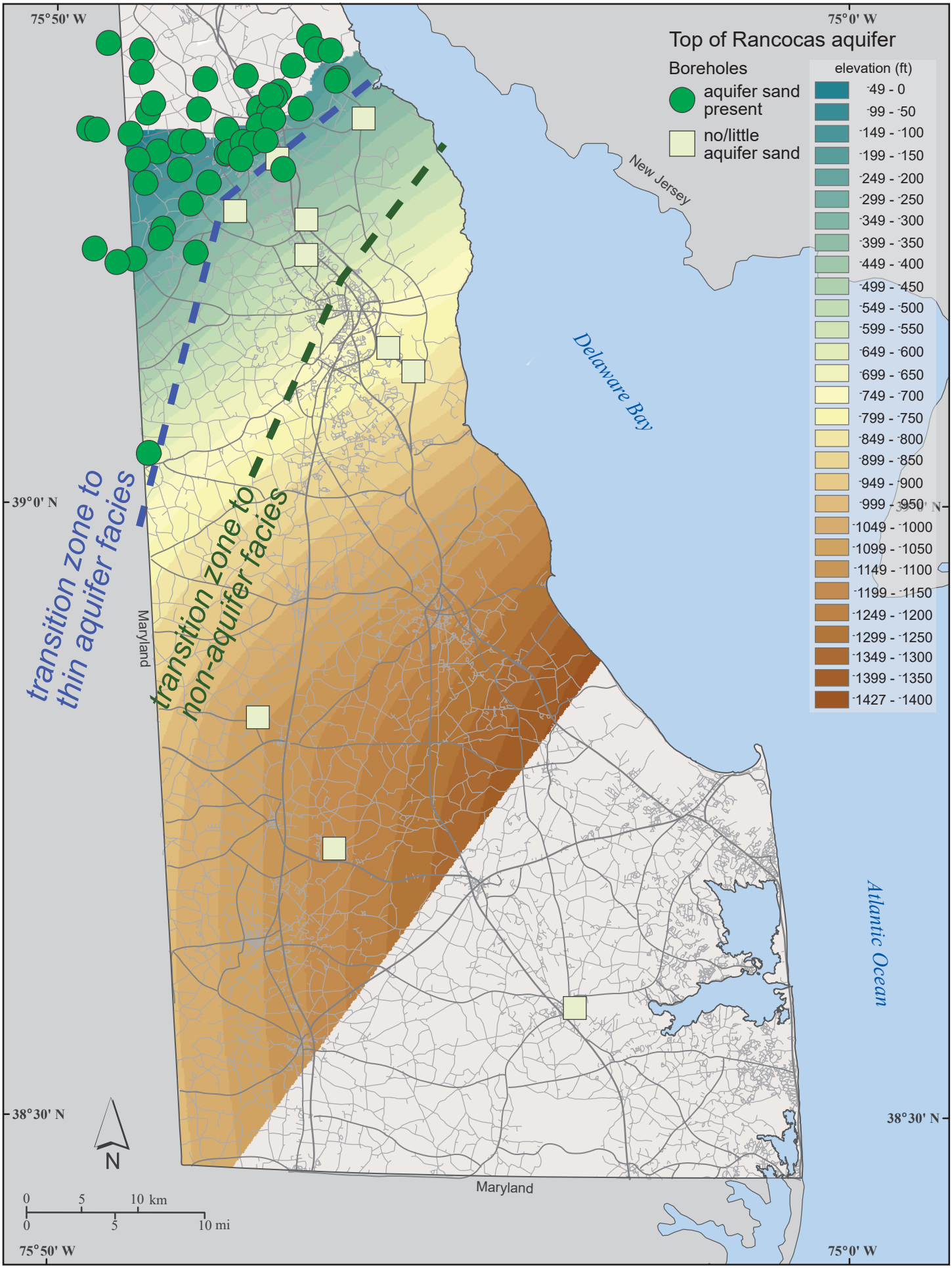

Top of Rancocas aquifer
Boreholes
aquifer sand present
no/little aquifer sand
elevation (ft)
-49 - 0
-99 - -50
-149 - -100
-199 - -150
-249 - -200
-299 - -250
-349 - -300
-399 - -350
-449 - -400
-499 - -450
-549 - -500
-599 - -550
-649 - -600
-699 - -650
-749 - -700
-799 - -750
-849 - -800
-899 - -850
-949 - -900
-999 - -950
-1049 - -1000
-1099 - -1050
-1149 - -1100
-1199 - -1150
-1249 - -1200
-1299 - -1250
-1349 - -1300
-1399 - -1350
-1427 - -1400
75°50' W
75°0' W
39°0' N
38°30' N
New Jersey
Delaware Bay
Atlantic Ocean
Maryland
Maryland
transition zone to thin aquifer facies
transition zone to non-aquifer facies
N
0 5 10 km
0 5 10 mi

Figure B36 (Text-figure 38).
Upper Choptank aquifer: Map of elevation of base of aquifer and stratigraphic equivalents.

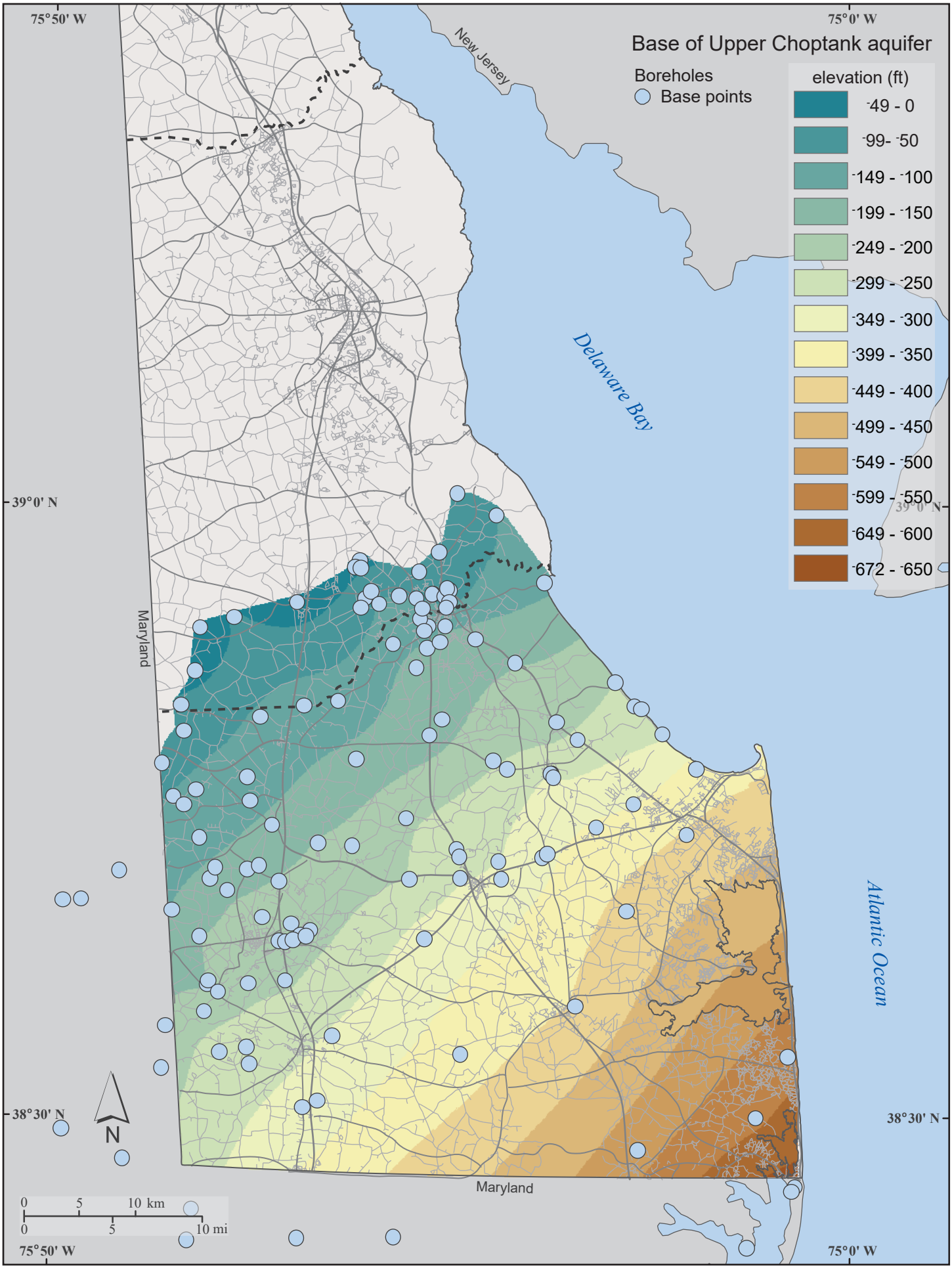

Base of Upper Choptank aquifer
Boreholes
Base points
elevation (ft)
-49 - 0
-99- -50
-149 - -100
-199 - -150
-249 - -200
-299 - -250
-349 - -300
-399 - -350
-449 - -400
-499 - -450
-549 - -500
-599 - -550
-649 - -600
-672 - -650
75°50' W
75°0' W
39°0' N
38°30' N
New Jersey
Delaware Bay
Atlantic Ocean
Maryland
Maryland
N
0 5 10 km
0 5 10 mi

Figure B37 (Text-figure 39).
Upper Choptank aquifer: Map of thickness of aquifer and stratigraphic equivalents.

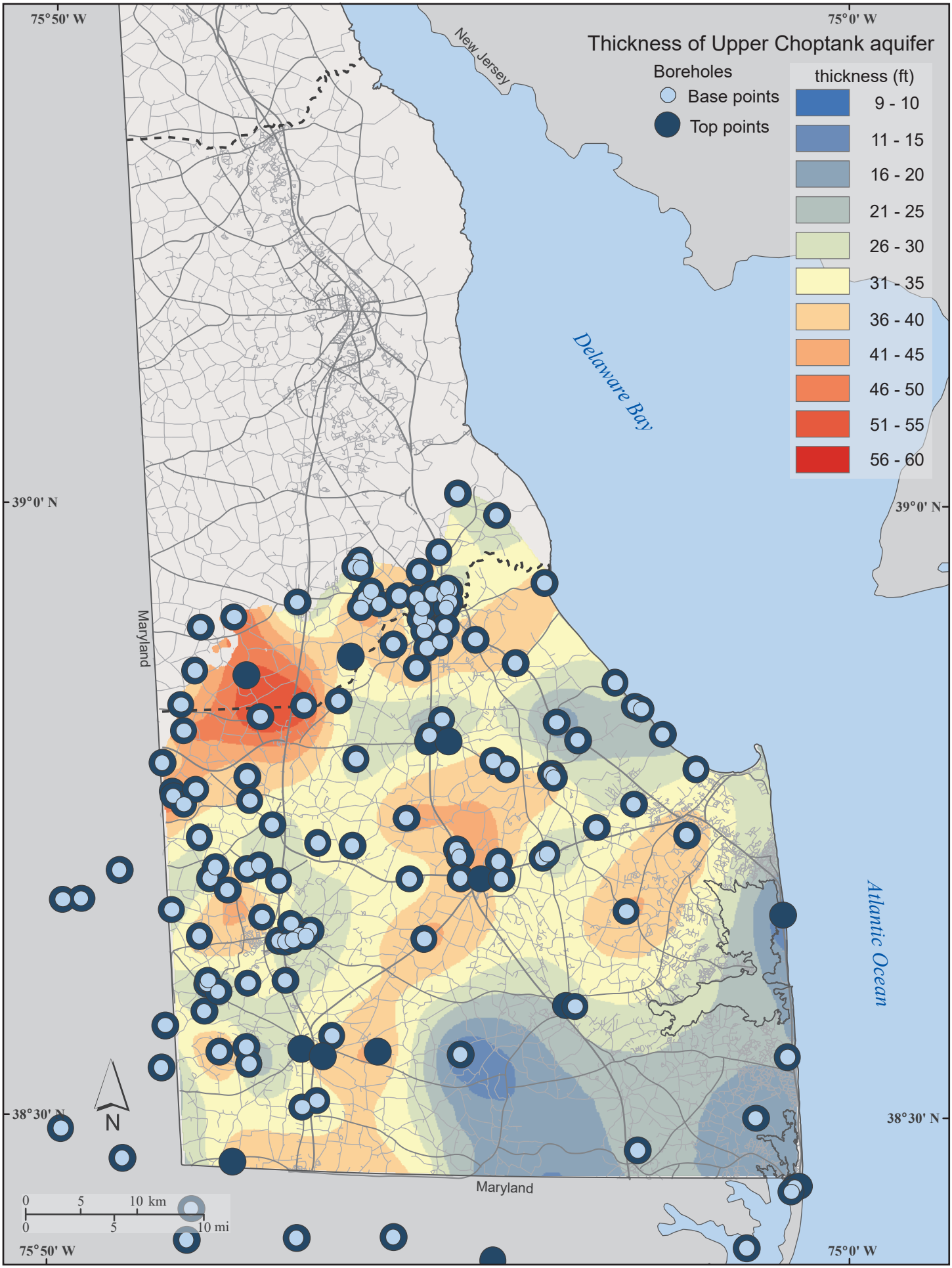

Thickness of Upper Choptank aquifer
Boreholes
Base points
Top points
thickness (ft)
9 - 10
11 - 15
16 - 20
21 - 25
26 - 30
31 - 35
36 - 40
41 - 45
46 - 50
51 - 55
56 - 60
75°50' W
75°0' W
39°0' N
38°30' N
New Jersey
Delaware Bay
Atlantic Ocean
Maryland
Maryland
N
0 5 10 km
0 5 10 mi

Figure B38 (Text-figure 37).
Upper Choptank aquifer: Map of elevation of top of aquifer and stratigraphic equivalents.

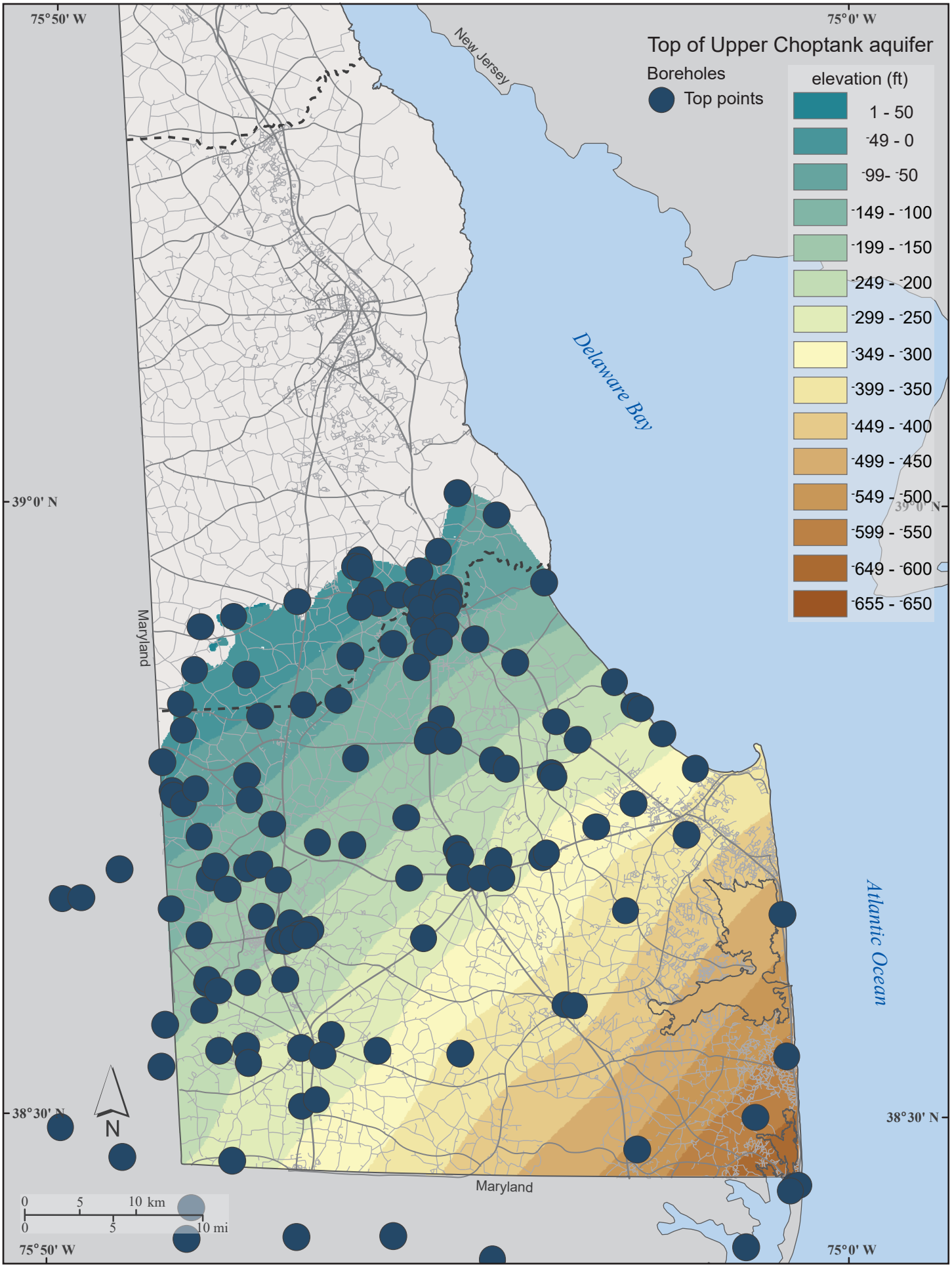

Top of Upper Choptank aquifer
Boreholes
Top points
elevation (ft)
1 - 50
-49 - 0
-99- -50
-149 - -100
-199 - -150
-249 - -200
-299 - -250
-349 - -300
-399 - -350
-449 - -400
-499 - -450
-549 - -500
-599 - -550
-649 - -600
-655 - -650
75°50' W
75°0' W
39°0' N
38°30' N
New Jersey
Delaware Bay
Atlantic Ocean
Maryland
Maryland
N
0 5 10 km
0 5 10 mi

Figure B39 (Text-figure 48).
Unconfined aquifer: Map of elevation of base of aquifer.

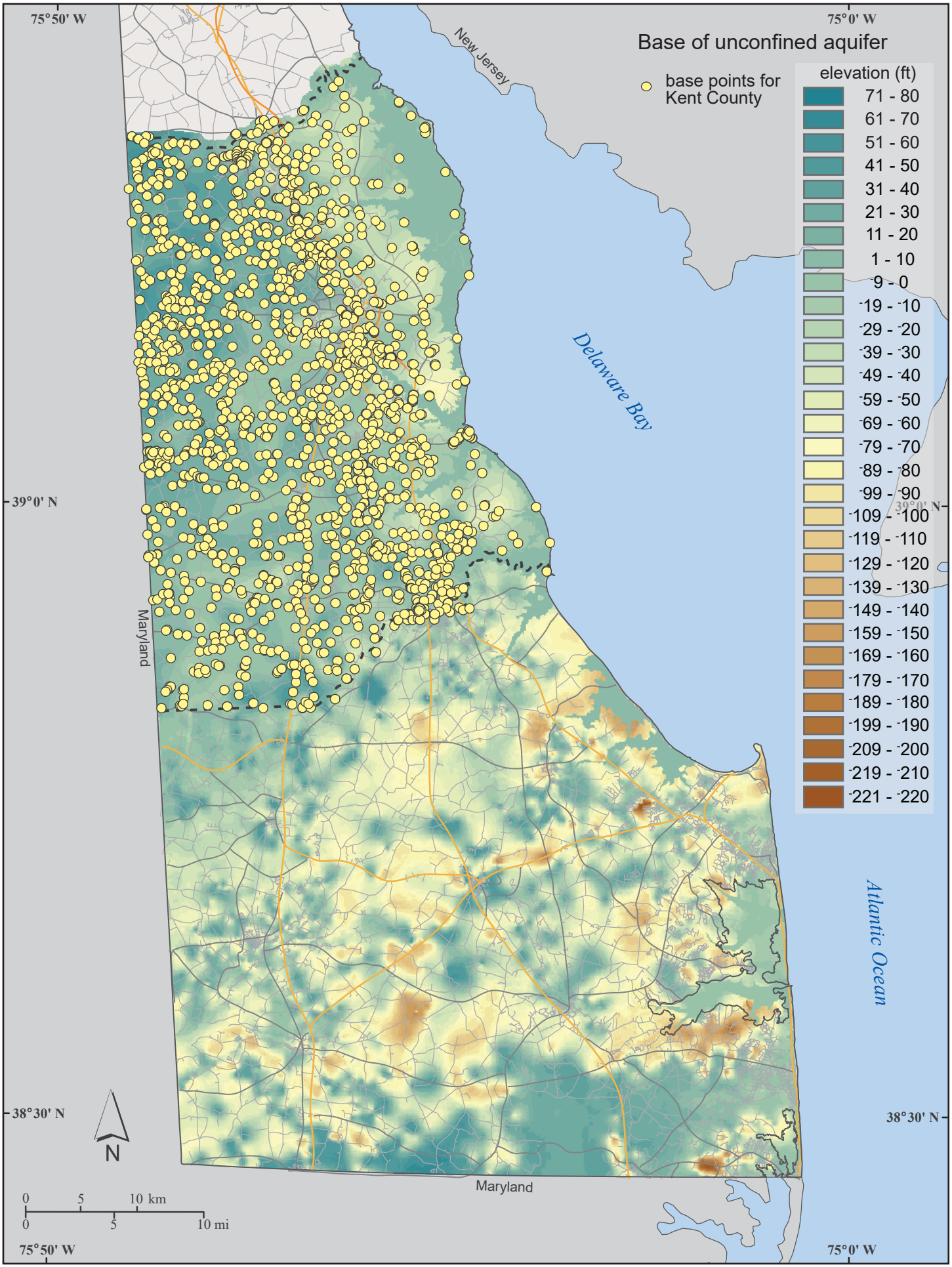
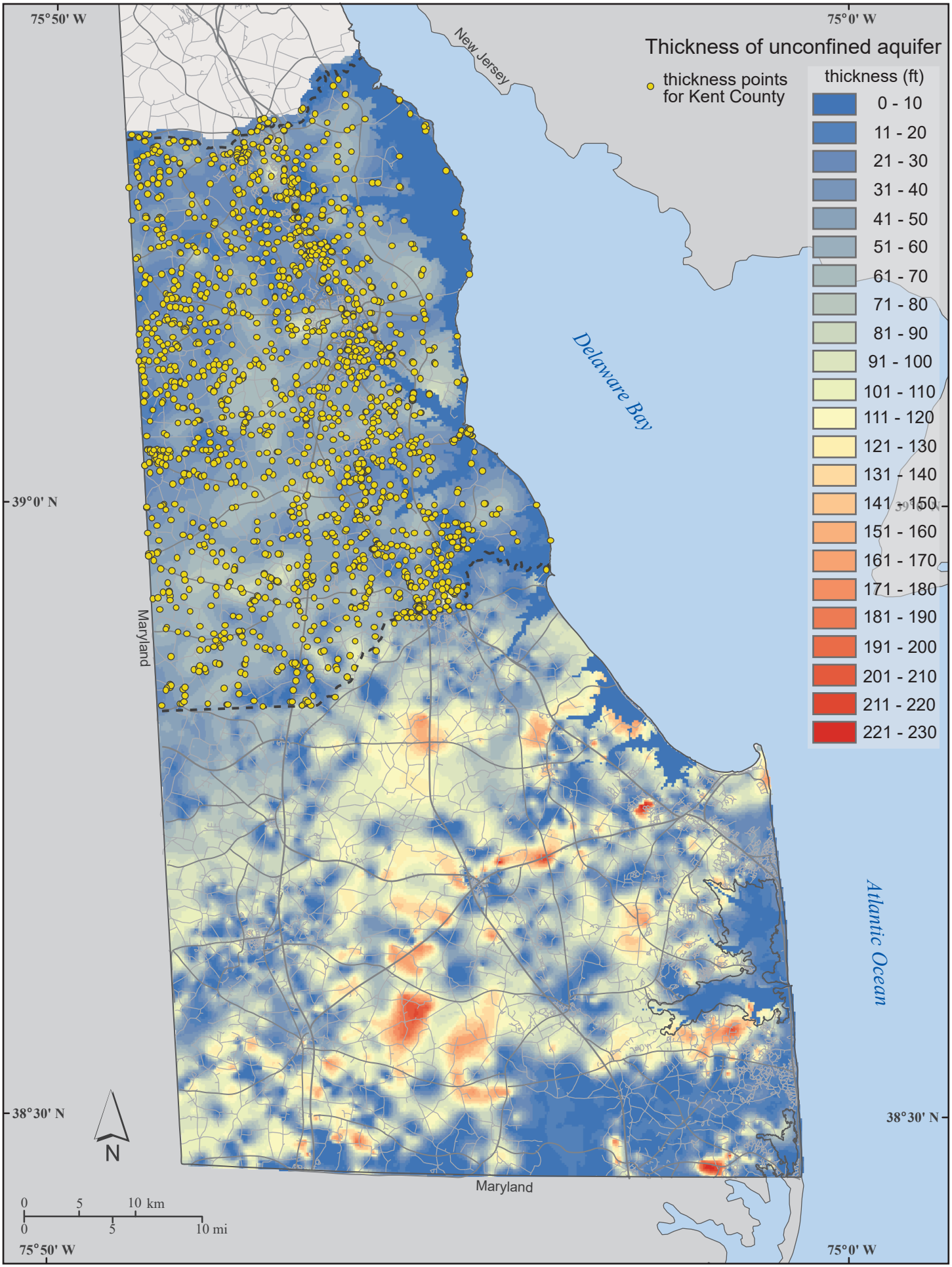

Base of unconfined aquifer
base points for Kent County
elevation (ft)
71 - 80
61 - 70
51 - 60
41 - 50
31 - 40
21 - 30
11 - 20
1 - 10
-9 - 0
-19 - -10
-29 - -20
-39 - -30
-49 - -40
-59 - -50
-69 - -60
-79 - -70
-89 - -80
-99 - -90
-109 - -100
-119 - -110
-129 - -120
-139 - -130
-149 - -140
-159 - -150
-169 - -160
-179 - -170
-189 - -180
-199 - -190
-209 - -200
-219 - -210
-221 - -220
New Jersey
Delaware Bay
Atlantic Ocean
Maryland
Maryland
75°50' W
75°0' W
39°0' N
38°30' N
N
0 5 10 km
0 5 10 mi

Figure B40 (Text-figure 49).
Unconfined aquifer: Map of thickness of aquifer.


Thickness of unconfined aquifer
thickness points for Kent County
thickness (ft)
0 - 10
11 - 20
21 - 30
31 - 40
41 - 50
51 - 60
61 - 70
71 - 80
81 - 90
91 - 100
101 - 110
111 - 120
121 - 130
131 - 140
141 - 150
151 - 160
161 - 170
171 - 180
181 - 190
191 - 200
201 - 210
211 - 220
221 - 230
75°50' W
75°0' W
39°0' N
38°30' N
New Jersey
Delaware Bay
Atlantic Ocean
Maryland
Maryland
N
0 5 10 km
0 5 10 mi