

PLATE		OPP. PAGE
XLI.	A, Flowing well from strata of the Black Creek formation at the Fair Grounds, Lumberton, N. C.....	465
	B, Flowing well from strata of the Patuxent formation, Red Springs, N. C.....	465
XLII.	A, Deep well of the Clarendon Waterworks Company, Wilmington, N. C.....	481
	B, The Waterworks plant at Wilson, N. C.....	481

PART I.

FIGURE		PAGE
1.	Sketch showing the relations of the Patuxent and Black Creek formations to each other and to overlying Pleistocene deposits; Cape Fear River, between mileposts 100 and 101.....	92
2.	Sketch showing the relation of the Patuxent formation to the Black Creek formation, near Church Landing, Cape Fear River.....	92
3.	Sketch showing the relation of the Patuxent formation to the Coharie formation; cut of Atlantic Coast Line Railroad, 2¾ miles northeast of Four Oaks, Johnston County, N. C. (near Corinth Church)	94
4.	Sketch map of part of Neuse River and part of Contentnea Creek..	96
5.	Sketch showing the relation of the Patuxent formation to the Black Creek formation, and the relation of the latter to post-Cretaceous deposits; Neuse River, milepost 105.....	97
6.	Sketch showing the relation of the Patuxent formation to the Black Creek formation, and of the latter to overlying Pleistocene deposits; Neuse River, at the county bridge, 2 miles southwest of Goldsboro, N. C.....	98
7.	Sketch map of part of Tar River, N. C.....	101
8.	Sketch map of part of Roanoke River, N. C.....	106
9.	Sketch showing the relation of the Patuxent formation to the Lafayette formation; cut of Seaboard Air Line Railway, 1½ miles southwest of Lake View, N. C.....	109
10.	Sketch showing the relations of the Patuxent and Black Creek formations to each other, and to overlying Pleistocene deposits; cut of Atlantic Coast Line Railroad, 1 mile northeast of Hope Mills, N. C.....	110
11.	Sketch showing the irregularly bedded character of the Black Creek formation; Cape Fear River, Prospect Hall Bluff, N. C.....	117
12.	Sketch map of part of Black Creek River, N. C.....	124
13.	Sketch showing the undulating surface of the Black Creek formation overlain by Pleistocene deposits; Contentnea Creek, above milepost 26	142
14.	Sketch map of part of Northeast Cape Fear River, N. C.....	152
15.	Sketch showing the relation of the basement rocks to the Lafayette formation; cut of Seaboard Air Line Railway, 1 mile west of Thelma, N. C.....	263
16.	Sketch showing the relation of the Patuxent formation to the Lafayette formation; cut of Seaboard Air Line Railway, milepost 58, Moore County	265