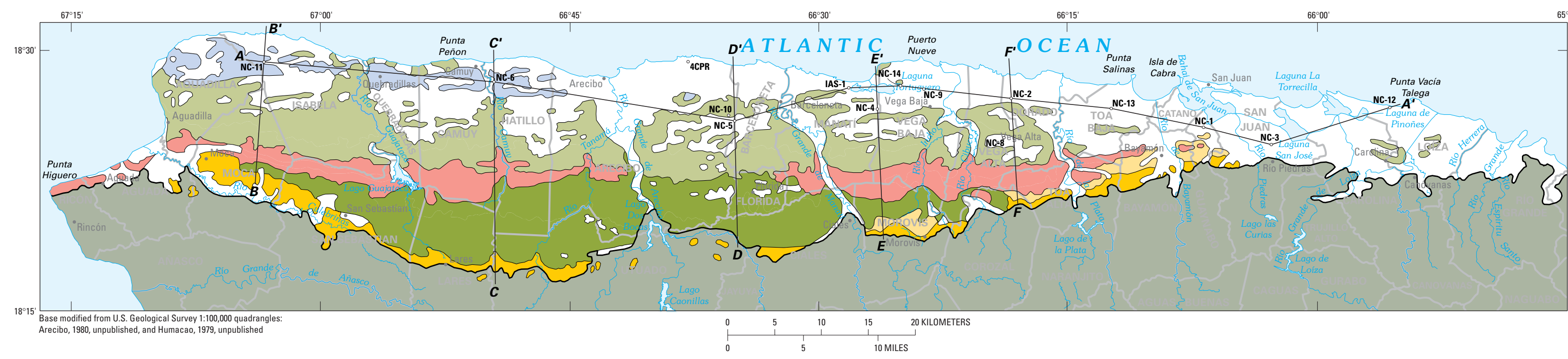


EXPLANATION

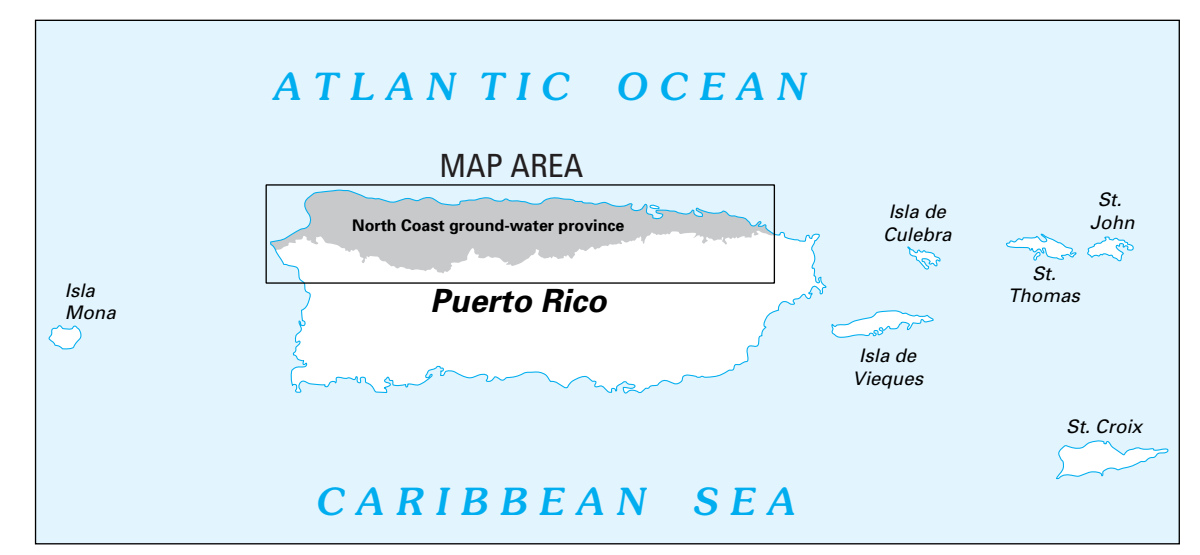
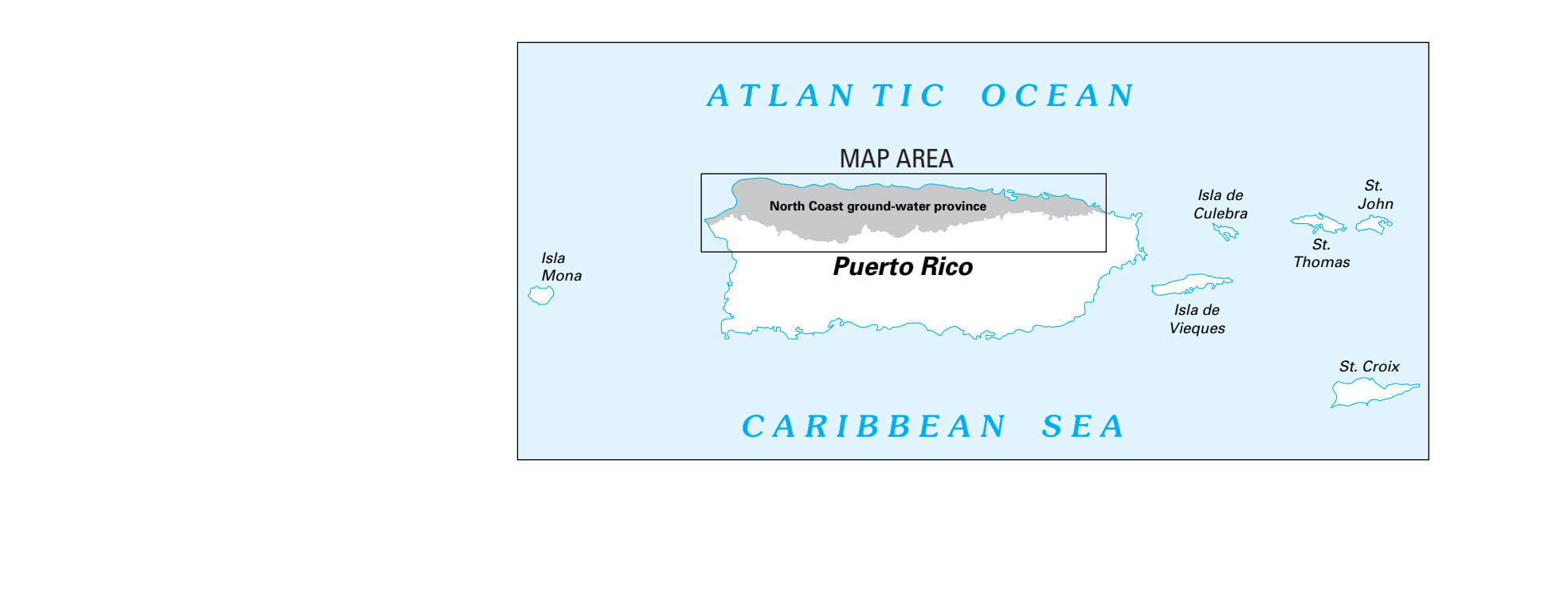
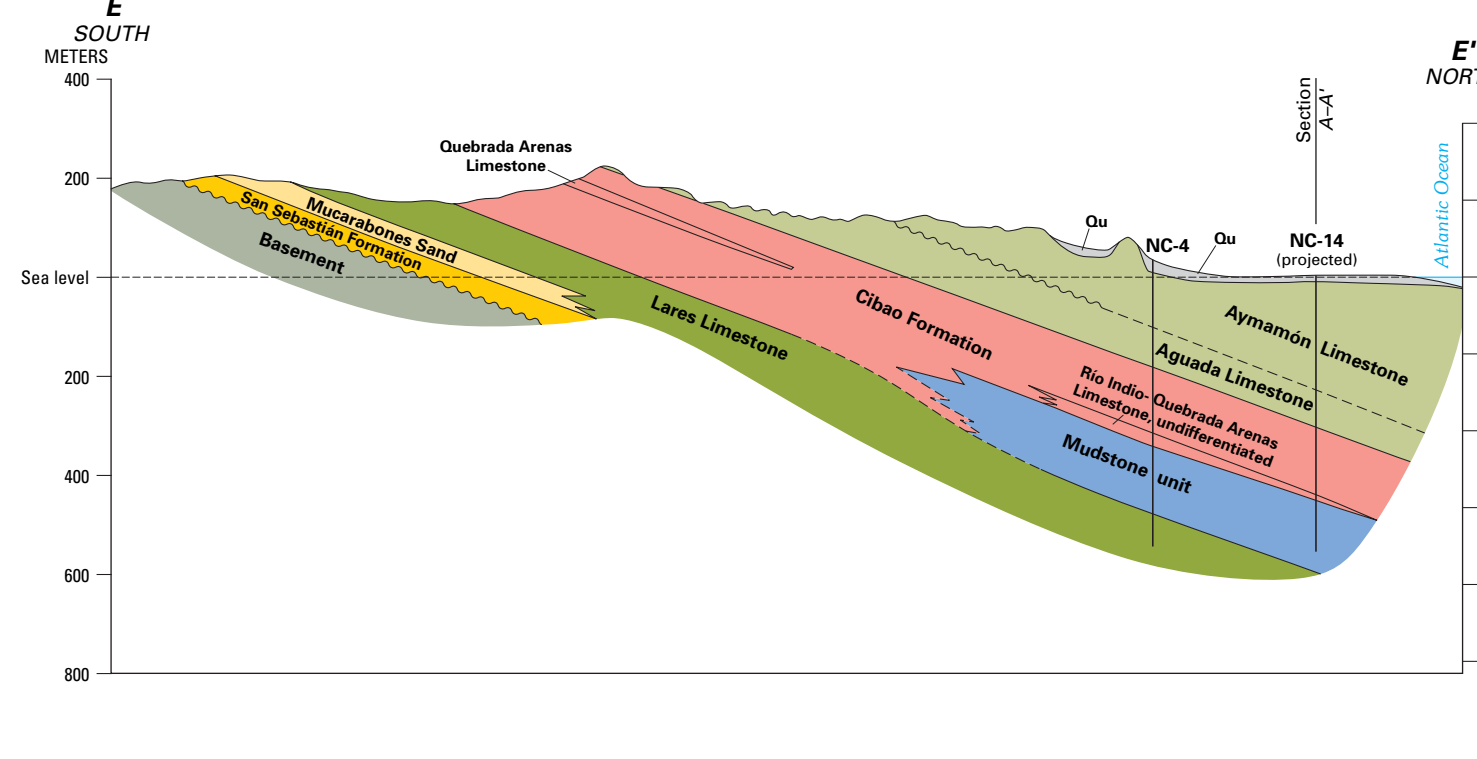
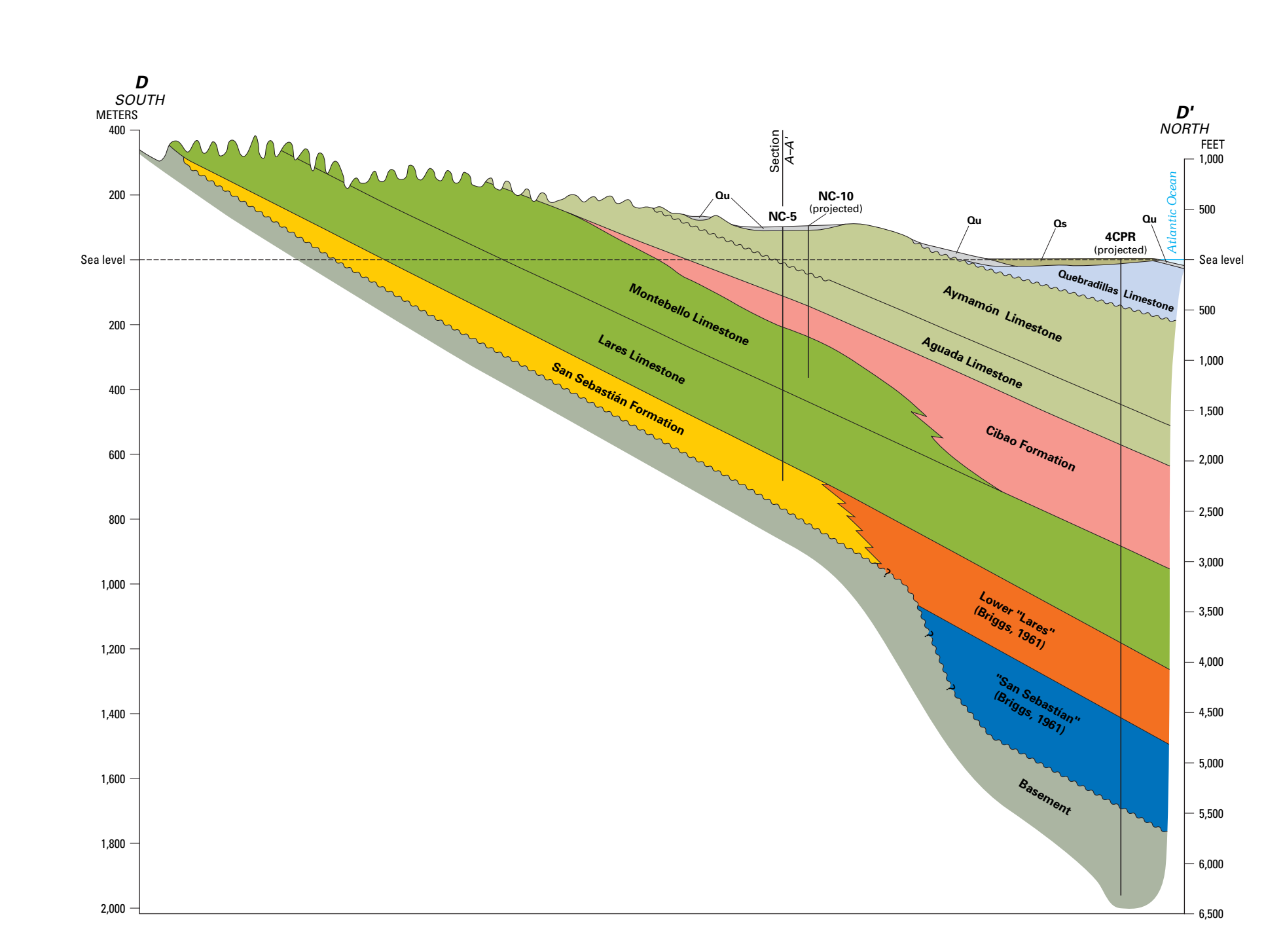
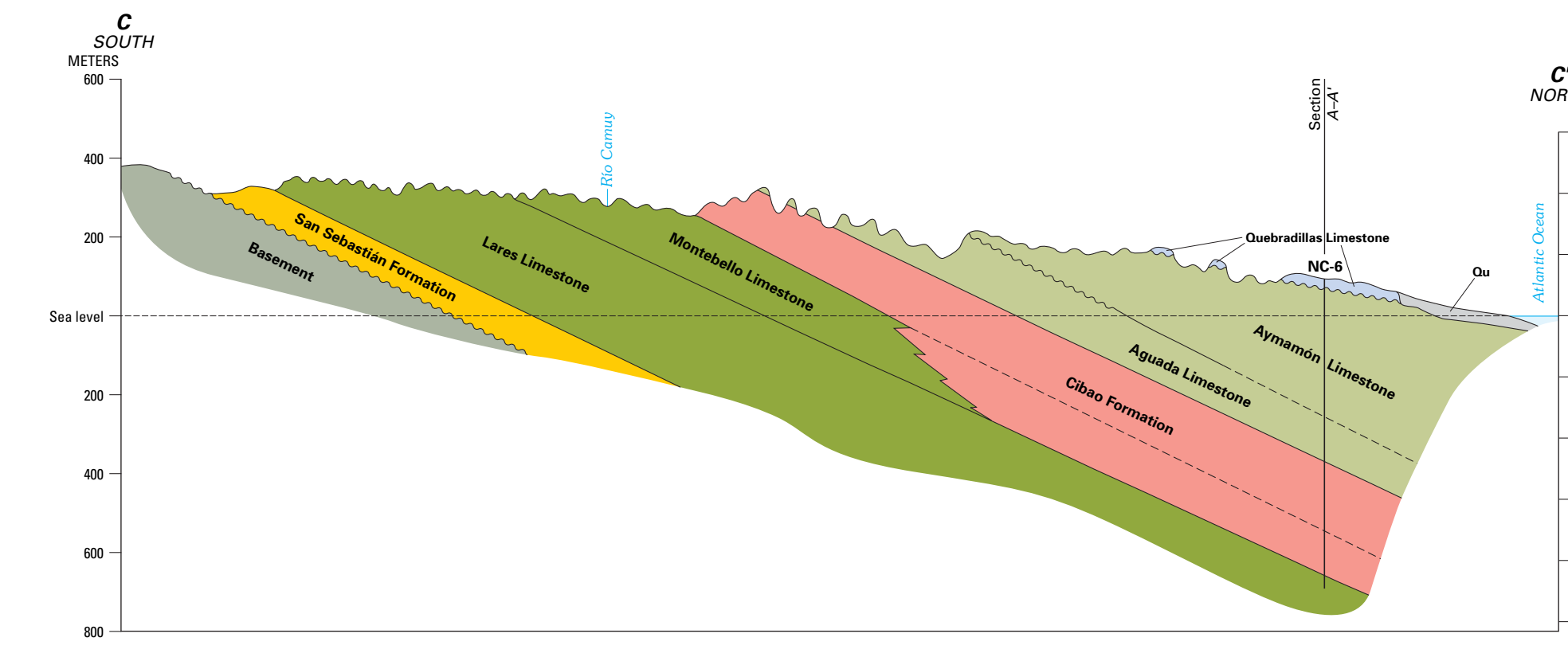
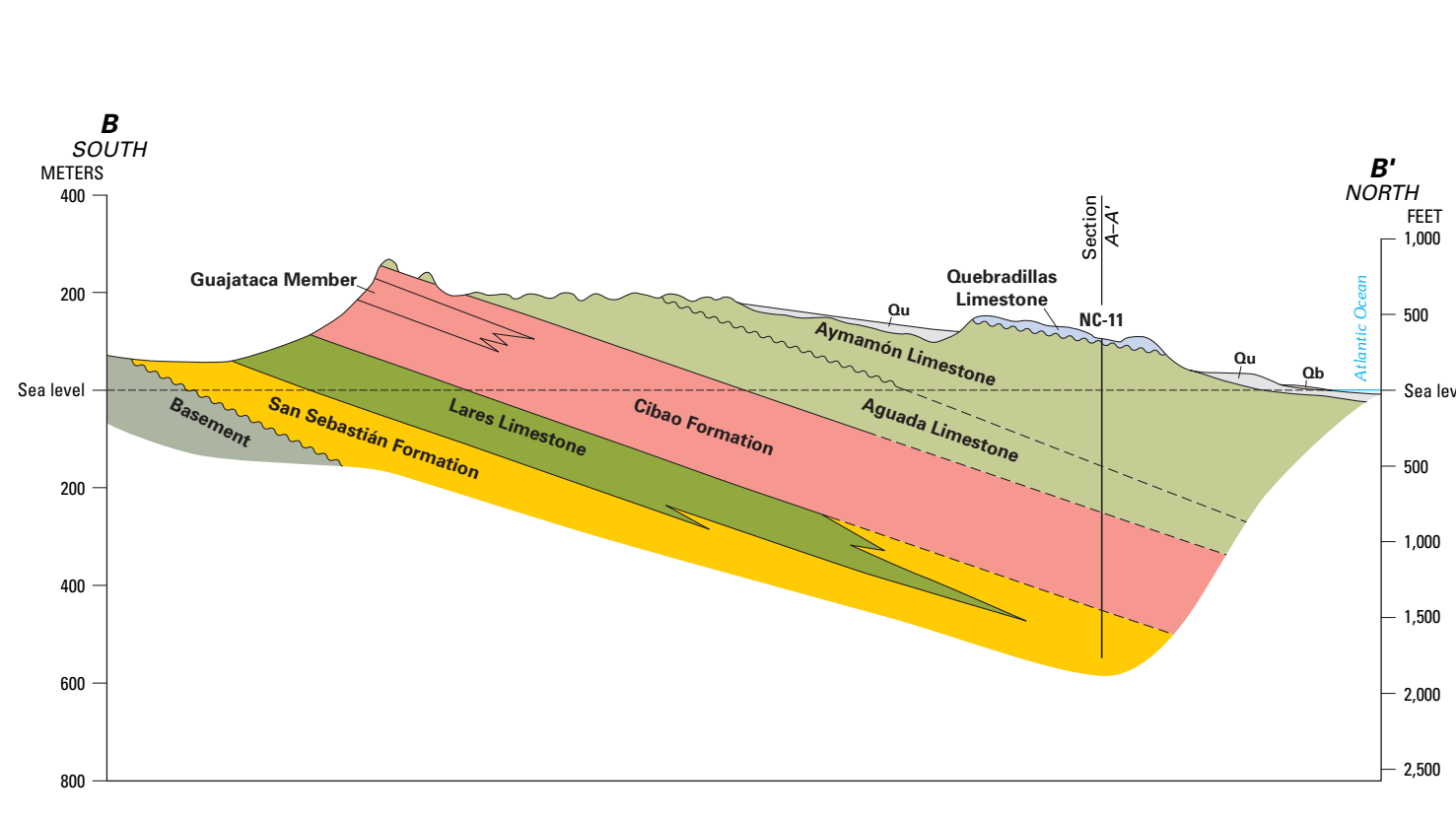
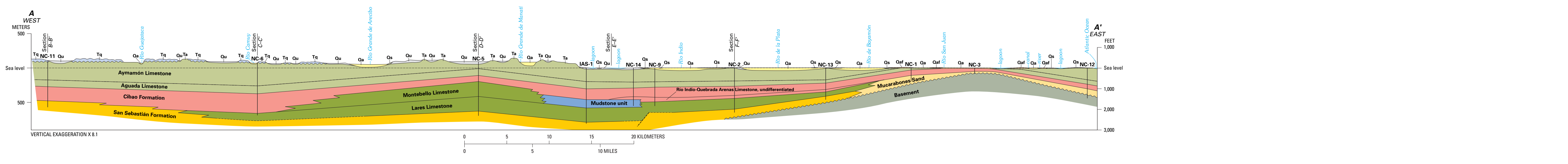
Quaternary deposits	Miocene rocks	Miocene and Oligocene rocks
Qa Albakam	Ta Aymamón Limestone	Tms Mucrabones Sand
Ql Landslide deposits	Tal Aguada (Los Puertos) Limestone	TLares Lares Formation
Qb Beach deposits	Tc Cibao Formation	TS San Sebastián Formation
Qs Swamp, marsh deposits	Tm Montebello Limestone Member— Includes Miranda Sand Member	A Line of hydrogeologic section
Qaf Artificial fill	Tqa Quebrada Arenas Limestone Member— Includes Miranda Sand Member	— Southern extent of rocks of Middle Oligocene to Pliocene age
Qu Undifferentiated surficial deposits	Tr Rio Indo Limestone Member—Includes Almirante San Lantil	— Contact
Pliocene and Miocene rocks	Tq Quebradillas Limestone	NC-11 Well control point and number
	Tg Guajitaca Member	

AGE	Rock-stratigraphic unit	
HOLOCENE	Alluvial deposits	
PLEISTOCENE	Undifferentiated surficial deposits	
PLIOCENE	Quebradillas Limestone	
MIOCENE	LATE	Aymamón Limestone
	MIDDLE	Aguada (Los Puertos) Limestone
	EARLY	Undifferentiated Cibao Formation Montebello Limestone Quebrada Arenas and Rio Indo Limestone Members
OLIGOCENE	LATE	Lares Limestone
	"MIDDLE"	San Sebastián Formation
EOCENE		
PALEOCENE	Undifferentiated	
CRETACEOUS		



EXPLANATION

Age	Depositional environments and lithofacies
PLIOCENE	Outer to middle neritic limestone
MIDDLE MIOCENE	Inner to middle neritic limestone and dolomite
	Inner to middle neritic mixed siliclastic and carbonate rocks
EARLY MIOCENE	Inner to middle neritic limestone and dolomite
LATE OLIGOCENE	Nonmarine to inner neritic siliclastic sandstone, mudstone, conglomerate with limestone
"MIDDLE" OLIGOCENE	Middle to inner neritic clays, sandstone, mud
EARLY TERTIARY-CRETACEOUS	Volcanic rock, volcanoclastic sandstone and conglomerate, metavolcanic rock, sedimentary rocks



RAKE SCALE BELOW APPLIES TO SECTIONS B-B' THROUGH F-F'
CROSS SECTIONS CONSTRUCTED TO COMPLY WITH GEOLOGIC MAP OF W.H. MONROE (1980)

VERTICAL SCALES OF ALL SECTIONS EXAGGERATED
NATIONAL GEODETIC VERTICAL DATUM OF 1929

GEOLOGIC MAP AND SECTIONS SHOWING PRINCIPAL STRATIGRAPHIC UNITS, DEPOSITIONAL ENVIRONMENTS AND LITHOFACIES OF ROCKS OF OLIGOCENE TO PLIOCENE AGE IN THE NORTH COAST LIMESTONE AQUIFER SYSTEM

By
W.C. Ward, R.A. Scharlach, and J.R. Hartley
2002