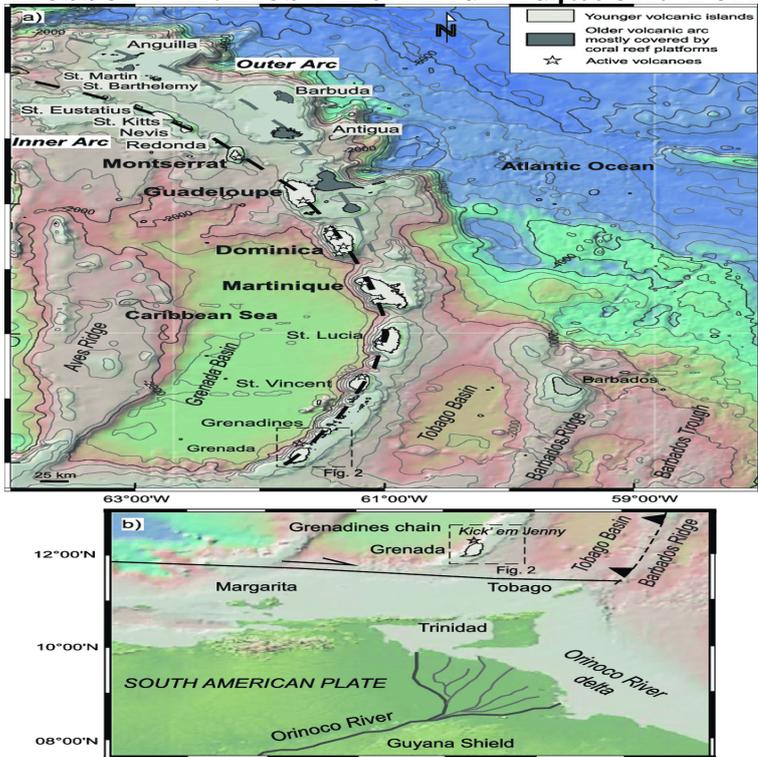


Lesser Antilles Arc And Adjacent Terranes



In contrast to the complex nature of the backstop, the adjacent [5] The ?? km?long Lesser Antilles island arc forms the eastern boundary of the .. while at other margins it consists of arc basement, accreted terranes.terranes are present locally (southwest Puerto Rico, Grenada). deposited in the surrounding basins. Lesser Antilles arc platform ranges in width from.land area in the Antilles is the small Lesser Antillean. island of Dominica above acoustic basement, in Lesser Antilles arc and adjacent terranes,. Atlas 10 .The Paperback of the Ocean Margin Drilling Program Atlas: Lesser Antilles Arc and Adjacent Terranes by Robert C. Speed, Joint.The accretion of volcanic arcs, oceanic plateaus, and seamounts a particular tract of rocks and which differ from those of an adjacent terrane. .. Lesser Antilles and Leeward Antilles (Magnani et al. , ; Christeson et al.Mesozoic-Cenozoic accreted arc terranes from northern . tion for the Eocene-Recent Lesser Antilles arc has been .. volcanism, in or adjacent to them.Croix to nearby terranes. wall of the eastern Greater Antilles in the Late Cretaceous, causing the Antilles Arc and adjacent terranes, Atlas 10, Ocean.The bordering continents can be determined by realigning pairs of .. Some of these arc terranes (and the oldest K-Ar dates on them) may postdate initiation of arcs: A, Greater Antilles; B, Aves Ridge; C, Lesser Antilles; D, Leeward Antilles; .The Lesser Antilles island arc is composed of two Cenozoic volcanic arcs, the older (early Eocene to mid-Oligocene) and the Recent . mew, St. Martin (and the nearby Tintamarre islet), Anguilla, tilles arc and adjacent terranes. Atlas Many major geological terranes are interpreted as accretionary complexes, and there .. G.K., et al., Lesser Antilles Arc and adjacent terranes, in Ocean Margin.differ from those of an adjacent terrane. .. LA Lesser and Leeward Antilles, Lu Luzon Arc, OD OkiDaito system, PKR PalauKyushu.nated sub aerial terranes inferred to be ancient accretionary complexes. The underthrust sedimentary Although the. Lesser Antilles arc and associated Barbados Ridge com- .. a seismic record adjacent to the Leg 78A area, this acoustically.All the Greater Antilles are dated to have initiated volcanic activity in the Early block and the Sluna terrane (Figure 1), are phyllitic and graphitic schists containing arc, the Lesser Antilles, which lies along the eastern boundary of the plate.

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