Intra-Americas Sea – Paleo-Tsunami Evidence and Dating

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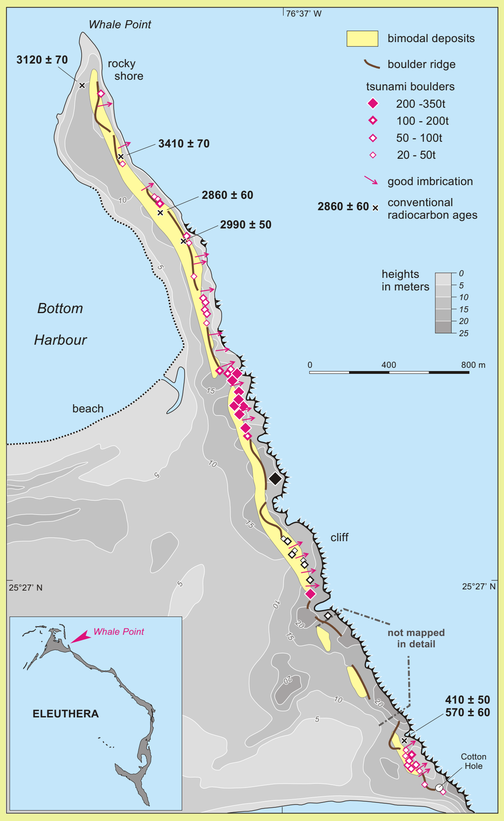
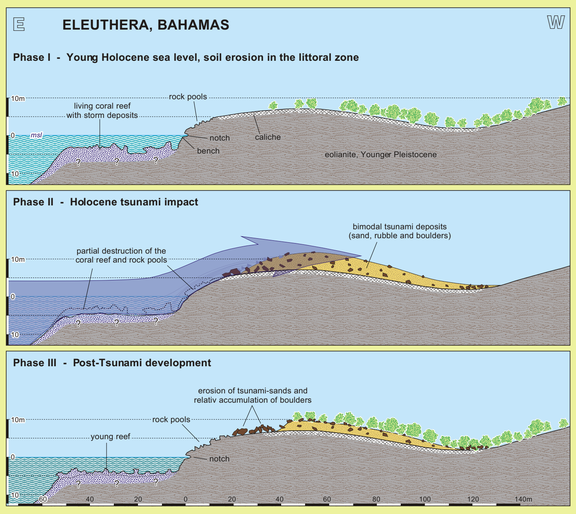
BAHAMAS



Tsunami boulder ridge. Distance to the coastline is 80-100 m.

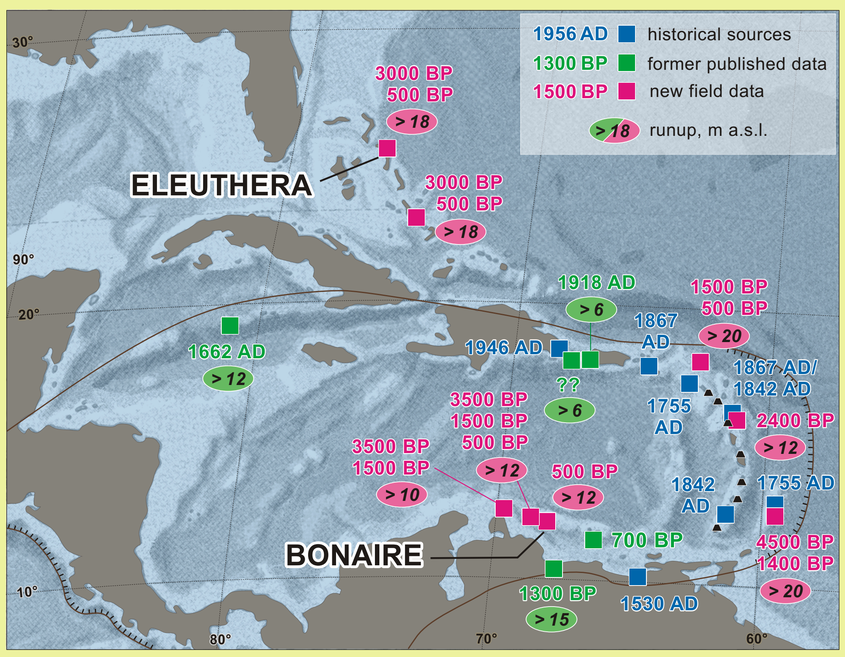


Eleuthera, Whale Point

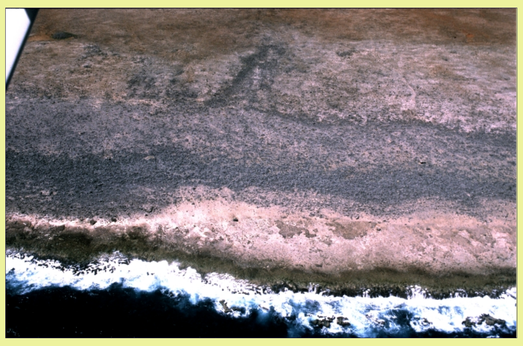
Tsunami boulders. Note the brighter colour at the bottom caused by subsequent erosion of the sandy matrix by runoff from land.

Bimodal tsunami deposits – European ship ballast (black basalt rocks) indicate a young age for the event.

Tsunami Events around the Caribbean Sea



BONAIRE



Aerial view of tsunami ridges and ramparts. They reach up to 400 m inland.

40 ESR / Radiocarbon-Ages of coral suggest two impacts: 500 BP and 3500 BP.

Spelonk – the city of tsunami rocks.

Cross sections of tsunami ridges. Note the bimodal sediment character.