

## Bathymetry of the tsunami source region of the 1998 Papua New Guinea earthquake

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Swath bathymetric survey was conducted in the source region of the 1998 Papua New Guinea tsunami. The topographic characteristics whose may be related to the origin and its propagation of the tsunami, are revealed. The water depth of the shelf edge is about 600 to 800m. To the east of Aitape, old shelf is also recognized below the 'recent' shelf that is presumably located at about 1,500m depth. This topography suggests that the tsunami generated in offshore may be concentrate to the coast of Sissano lagoon. WNW-ESE and E-W trending lineament are recognized on the landward slope. Some of them show left lateral topographic features. Many landslide topographies are found in the survey area. However, most of robes are deformed or barred.