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ABSTRACT

THINSKINNED EXTENSIONAL TECTONICS OF GALERA POINT, NORTHEAST TRINIDAD

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Extensional tectonics of Galera Point, northeast Trinidad appears to have developed over a thin-skinned decollement. Both footwall (FW) and hanging wall (HW) blocks of the fault show extensional structures although the amount of extension accommodated by them differs. The rift shoulder (which is a part of the FW) accommodated extension by jointing and pervasive irregular fracturing. The rift shoulder was progressively uplifted relative to the HW, as indicated by progressive shallowing of the basin. The HW is thought to have accommodated major amount of extension by imbricated listric faulting over a thin-skinned master decollement. The imbricated fault blocks subsided over the master decollement.