



Fig. 3. Map of the LUCKY STRIKE vent field showing the location of the active sites (“EM 12” bathymetric survey — FLORES cruise). The central topographic high is made up of a composite volcano 13 km long, 7 km wide and 430 m high and divided into two parts separated by a N-S valley. The eastern part has a semicircular shape with three volcanic cones at its summit. The LUCKY STRIKE vent field is situated around a circular lava lake between these three cones.