

GEOLOGICAL SOCIETY SPECIAL PUBLICATION NO. 322

Geohazard in Rocky Coastal Areas

EDITED BY

C. VIOLANTE
IAMC–CNR, Italy

2009
Published by
The Geological Society
London

Contents

Preface	vii
VIOLANTE, C. Rocky coast: geological constraints for hazard assessment	1
SACCHI, M., MOLISSO, F., VIOLANTE, C., ESPOSITO, E., INSINGA, D., LUBRITTO, C., PORFIDO, S. & TÓTH, T. Insights into flood-dominated fan-deltas: very high-resolution seismic examples off the Amalfi cliffed coasts, eastern Tyrrhenian Sea	33
DE ALTERIIS, G. & VIOLANTE, C. Catastrophic landslides off Ischia volcanic island (Italy) during prehistory	73
MILIA, A., RASPINI, A. & TORRENTE, M. M. Evidence of slope instabilities and tsunami associated with the 3.5 ka Avellino eruption of Somma–Vesuvius volcano, Italy	105
IADANZA, C., TRIGILA, A., VITTORI, E. & SERVA, L. Landslides in coastal areas of Italy	121
BRANDOLINI, P., FACCINI, F., ROBBIANO, A. & TERRANOVA, R. Slope instability on rocky coast: a case study of Le Grazie landslides (eastern Liguria, northern Italy)	143
CINQUE, A. & ROBUSTELLI, G. Alluvial and coastal hazards caused by long-range effects of Plinian eruptions: the case of the Lattari Mts. after the AD 79 eruption of Vesuvius	155
PORFIDO, S., ESPOSITO, E., ALAIA, F., MOLISSO, F. & SACCHI, M. The use of documentary sources for reconstructing flood chronologies on the Amalfi rocky coast (southern Italy)	173
DE PIPPO, T., DONADIO, C., PENNETTA, M., TERLIZZI, F. & VALENTE, A. Application of a method to assess coastal hazard: the cliffs of the Sorrento Peninsula and Capri (southern Italy)	189
Index	205