

1. Record Nr.	UNINA9910826794303321
Titolo	The March 5, 1987, Ecuador earthquakes : mass wasting and socioeconomic effects // study team, Robert L. Schuster ... [et al.] ; contributing authors, Jose Egred ... [et al.] for Committee on Natural Disasters, Division of Natural Hazard Mitigation, Commission on Engineering and Technical Systems, National Research Council
Pubbl/distr/stampa	Washington, D.C., : National Academy Press, 1991
ISBN	1-280-20384-6 9786610203840 0-309-59513-4 0-585-14864-3
Edizione	[1st ed.]
Descrizione fisica	1 online resource (xiv, 164 pages) : illustrations, maps, charts
Collana	Natural disaster studies ; ; v. 5
Altri autori (Persone)	SchusterRobert L EgredJose
Disciplina	363.3/495/09866
Soggetti	Earthquakes - Ecuador - Napo (Province) Earthquakes - Social aspects - Ecuador - Napo (Province) Earthquakes - Economic aspects - Ecuador - Napo (Province) Mass-wasting - Ecuador - Napo (Province)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	NATURAL DISASTER STUDIES -- Copyright -- INVITATION FOR DISCUSSION -- Acknowledgments -- Preface -- Contents -- Executive Summary -- GENERAL GEOLOGY OF NORTHEASTERN ECUADOR -- SEISMICITY AND TECTONICS -- INTENSITY AND DAMAGE DISTRIBUTION -- MASS WASTING AND FLOODING -- EFFECTS ON LIFELINES -- LOCAL-LEVEL ECONOMIC AND SOCIAL CONSEQUENCES -- ORGANIZATIONAL INTERACTION IN RESPONSE AND RECOVERY -- 1 Introduction -- REFERENCES -- 2 General Geology of Northeastern Ecuador -- THE SIERRA -- THE ORIENTE -- REFERENCES -- 3 Tectonics and Seismicity -- INTRODUCTION -- TECTONIC SETTING -- SEISMICITY AND FOCAL MECHANISMS -- RECOMMENDATIONS -- REFERENCES -- 4 Intensity and Damage Distribution -- INTRODUCTION -- RELATIONSHIP OF BUILDING DAMAGE TO CONSTRUCTION PRACTICES -- INTENSITY

DISTRIBUTION -- REFERENCES -- 5 Mass Wasting and Flooding --
INTRODUCTION -- LANDSLIDES -- Quito-Baeza -- Baeza-Salado --
Reventador Volcano -- Geological Background -- General
Characteristics of Landslides in the Reventador Zone -- Areal
Distribution of Landslides and Denudation Intensity -- Slope Stability-
Preliminary Analysis and Interpretation -- Relation Between Denudation
Intensity and Epicenter -- EVOLUTION OF MASS-WASTING PROCESSES
-- FLOODING OF RIVER VALLEYS IN THE VICINITY OF REVENTADOR
VOLCANO -- REFERENCES -- 6 Effects on Lifelines -- GENERAL
OBSERVATIONS -- Water Distribution Systems -- Electric Power
Systems -- Pan-American Highway -- Natural Gas Supply --
CHARACTERISTICS OF THE TRANS-ECUADORIAN AND POLIDUCTO
PIPELINES -- PIPELINE DAMAGE -- SALADO PUMP STATION DAMAGE --
Main Gate Valve -- Control Building -- Generators -- Pump House --
Communications Equipment -- Water Tank -- Crude Oil Tank --
Personnel Housing -- TRANS-ECUADORIAN HIGHWAY FROM BAEZA TO
LAGO AGRIO -- ECONOMIC CONSEQUENCES -- SUMMARY --
ACKNOWLEDGMENTS -- REFERENCE.

7 Local-level Economic and Social Consequences -- INTRODUCTION --
IMMEDIATE CONSEQUENCES AND EMERGENCY-RESPONSE ISSUES -- THE
EMERGENCY PERIOD IN THE ORIENTE -- THE EMERGENCY PERIOD IN
THE SIERRA -- EMERGING LONG-TERM IMPACTS -- RECOVERY
PROGRAMS AND IMPACTS IN THE ORIENTE -- RECOVERY PROGRAMS
AND IMPACTS IN THE SIERRA -- SUMMARY -- REFERENCES -- 8

Organizational Interaction in Response and Recovery --
INTRODUCTION -- ASSUMPTIONS -- ORGANIZATIONAL
INTERDEPENDENCE IN THE CONSEQUENCES OF DISASTER -- Domains of
Organizational Action -- Geographic Location -- Zone 1: Western Napo
Province -- Zone 2: Sierra -- Zone 3: Eastern Napo Province --
Administrative Jurisdictions -- Decision Perspectives --
ORGANIZATIONAL NETWORKS IN DISASTER RESPONSE AND RECOVERY
OPERATIONS -- Disaster Operations Network 1: Western Napo Province
-- Disaster Operations Network 2: The Sierra-Pichincha, Imbabura, and
Carchi Provinces -- Disaster Operations Network 3: Eastern Napo
Province -- Strengths and Needs for Further Development in the Larger
Network of Disaster Response and Recovery Operations -- Strengths --
Needs -- Improved Communication -- Increased Coordination of
Action -- Advanced Information Functions -- Revised Concept of
Disaster Assistance -- Organizational Learning in Disaster Management
-- Recommendations for Further Research -- ACKNOWLEDGMENTS --
NOTES -- Appendix A Disaster Management Organizations-General --
NATIONAL -- INTERNATIONAL -- Appendix B International
Organizations Involved in the March 1987 Disaster Operations --
PUBLIC/GOVERNMENTAL -- PRIVATE/VOLUNTARY -- NATIONAL
GOVERNMENTS -- Appendix C Ecuadorian Organizations Involved in
the March 1987 Disaster Operations -- CENTRAL GOVERNMENT --
NATIONAL ORGANIZATIONS: PRIVATE/VOLUNTARY -- Appendix D
Most-Damaged Areas -- LOCAL ORGANIZATIONS.
