

BESR Publications 2000-2007

2007

Elevation Data for Floodplain Mapping

Committee on Floodplain Mapping Technologies
Mapping Science Committee
186 pp. (prepublication version)

Contributions of Land Remote Sensing for Decisions about Food Security and Human Health: Workshop Report

Committee on the Earth System Science for Decisions about Human Welfare: Contributions of Remote Sensing
Geographical Sciences Committee
112 pp.

Earth Materials and Health: Research Priorities for Earth Science and Public Health

Committee on Research Priorities for Earth Science and Public Health
Board on Earth Sciences and Resources and Board on Health Sciences Policy
174 pp. (prepublication version)

Successful Response Starts with a Map: Improving Geospatial Support for Disaster Management

Committee on Planning for Catastrophe: A Blueprint for Improving Geospatial Data, Tools, and Infrastructure
Mapping Science Committee
198 pp.

2006

Beyond Mapping: Meeting National Needs Through Enhanced Geographic Information Science

Committee on Beyond Mapping: The Challenges of New Technologies in the Geographic Information Sciences
Mapping Science Committee
116 pp.

Geological and Geotechnical Engineering in the New Millennium: Opportunities for Research and Technological Innovation

Committee on Geological and Geotechnical Engineering in the New Millennium: Opportunities for Research and Technological Innovation
Committee on Geological and Geotechnical Engineering
222 pp.

Improved Seismic Monitoring, Improved Decision-Making: Assessing the Value of Reduced Uncertainty

Committee on the Economic Benefits of Improved Seismic Monitoring
Committee on Seismology and Geodynamics
196 pp.

Learning to Think Spatially: GIS as a Support System in the K-12 Curriculum

Committee on Support for Thinking Spatially: The Incorporation of Geographic Information Science across the K-12 Curriculum
Geographical Sciences Committee
332 pp.

Managing Coal Combustion Residues in Mines

Committee on Mine Placement of Coal Combustion Wastes
Committee on Earth Resources
256 pp.

Priorities for GEOINT Research at the National Geospatial-Intelligence Agency

Committee on Basic and Applied Research Priorities in Geospatial Science for the National Geospatial-Intelligence Agency
Mapping Science Committee
114 pp.

2005

The Geological Record of Ecological Dynamics: Understanding the Biotic Effects of Future Environmental Change

Committee on the Geologic Record of Biosphere Dynamics
Board on Earth Sciences and Resources
216 pp.

2004

Charting the Future of Methane Hydrate Research in the United States

Committee to Review the Activities Authorized under the Methane Hydrate Research and Development Act of 2000
Board on Earth Sciences and Resources and Ocean Studies Board
202 pp.

Future Challenges for the U.S. Geological Survey's Mineral Resources Program

Committee to Review the U.S. Geological Survey's Mineral Resources Program
Committee on Earth Resources
154 pp.

A Geospatial Framework for the Coastal Zone: National Needs for Coastal Mapping and Charting
Committee on National Needs for Coastal Mapping and Charting
Mapping Science Committee
168 pp.

Licensing Geographic Data and Services
Committee on Licensing Geographic Data and Services
Mapping Science Committee
296 pp.

Materials Count: The Case for Material Flows Analysis
Committee on Material Flows Accounting of Natural Resources, Products, and Residuals
Committee on Earth Resources
144 pp.

Partnerships for Reducing Landslide Risk: Assessment of the National Landslide Hazards Mitigation Strategy
Committee on the Review of the National Landslide Hazards Mitigation Strategy
Board on Earth Sciences and Resources
144 pp.

Review of NASA's Solid-Earth Science Strategy
Committee to Review NASA's Solid-Earth Science Strategy
Board on Earth Sciences and Resources
56 pp.

2003

Fair Weather: Effective Partnerships in Weather and Climate Services
Committee on Partnerships in Weather and Climate Services
Committee on Geophysical and Environmental Data
238 pp.

GIS for Housing and Urban Development
Committee on Review of Geographic Information Systems Research and Applications at HUD: Current Programs and Future Prospects
Committee on Geography
142 pp.

Government Data Centers: Meeting Increasing Demands
Committee on Coping with Increasing Demands on Government Data Centers
Committee on Geophysical and Environmental Data
70 pp.

Living on an Active Earth: Perspectives on Earthquake Science
Committee on the Science of Earthquakes
Board on Earth Sciences and Resources
432 pp.

Review of NOAA's National Geophysical Data Center
Committee to Review NOAA's National Geophysical Data Center
Committee on Geophysical and Environmental Data
120 pp.

Safety is Seguridad
Committee on Communicating Occupational Safety and Health Information to Spanish-speaking Workers
Committee on Earth Resources
160 pp.

Summary of a Workshop on U.S. Natural Gas Demand, Supply, and Technology: Looking Toward the Future
Committee on U.S. Natural Gas Demand and Supply Projections: A Workshop
Committee on Earth Resources
112 pp.

Weaving A National Map: A Review of the U.S. Geological Survey Concept of the National Map
Committee to Review the U.S. Geological Survey Concept of *The National Map*
Mapping Science Committee
140 pp.

2002

Assessment of Proposed Partnerships to Implement a National Landslide Hazards Mitigation Strategy: Interim Report
Committee on the Review of National Landslide Hazards Mitigation Strategy
Board on Earth Sciences and Resources
36 pp.

Assessment of the Usefulness and Availability of NASA's Earth and Space Science Mission Data

Task Group on the Usefulness and Availability of NASA's Space Mission Data
Board on Earth Sciences and Resources and Space Studies Board
112 pp.

Coal Waste Impoundments: Risks, Responses, and Alternatives

Committee on Coal Waste Impoundments
Committee on Earth Resources
244 pp.

Community and Quality of Life: Data Needs for Informed Decision Making

Committee on Identifying Data Needs for Place-Based Decision Making
Committee on Geography
202 pp.

Down to Earth: Geographical Information for Sustainable Development in Africa

Committee on the Geographic Foundation for Agenda 21
Committee on Geography
172 pp.

Evolutionary and Revolutionary Technologies for Mining

Committee on Technologies for the Mining Industry
Committee on Earth Resources
102 pp.

Geoscience Data and Collections: National Resources in Peril

Committee on the Preservation of Geoscience Data and Collections
Committee on Earth Resources
128 pp.

Research Opportunities in Geography at the U.S. Geological Survey

Committee on Research Priorities in Geography at the U.S. Geological Survey
Committee on Geography
144 pp.

2001

Basic Research Opportunities in Earth Science

Committee on Basic Research Opportunities in the Earth Sciences
Board on Earth Sciences and Resources
168 pp.

Conceptual Models of Flow and Transport in the Fractured Vadose Zone

Panel on Conceptual Models of Flow and Transport in the Fractured Vadose Zone
U.S. National Committee for Rock Mechanics
392 pp.

Future Roles and Opportunities for the U.S. Geological Survey

Committee on Future Roles, Challenges, and Opportunities for the U.S. Geological Survey
Board on Earth Sciences and Resources
192 pp.

National Spatial Data Infrastructure Partnership Programs: Rethinking the Focus

Mapping Science Committee
94 pp.

Resolving Conflicts Arising from the Privatization of Environmental Data

Committee on Geophysical and Environmental Data
Board on Earth Sciences and Resources
114 pp.

Review of EarthScope Integrated Science

Committee on the Review of EarthScope Science Objectives and Implementation Planning
Board on Earth Sciences and Resources
76 pp.

2000

Review of the U.S. Geological Survey's Volcano Hazards Program

Committee on the Review of the USGS Volcano Hazards Program
Board on Earth Sciences and Resources
152 pp.

Seeing into the Earth: Noninvasive Characterization of the Shallow Subsurface for Environmental and Engineering Applications

Committee for Noninvasive Characterization of the Shallow Subsurface for Environmental and Engineering Applications
Board on Earth Sciences and Resources and Water Science and Technology Board
148 pp.